

APG

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APG

MASTER XL

COMBOGEAR

MOTO DRIVE

ULTIMA

PULLEYS

APG American Parallel Gearing

APG

High Power Density

means lower initial costs through...

- Smallest possible envelope
- Riser blocks accommodate multiple motor frames per reducer size

OPTIMIZED GEAR GEOMETRY

- Reduced helix angle for less thrust
- Case-carburized and precision-ground helical gears

MINIMUM BEARING SPANS

- Mid-case bearing supports for less shaft deflection
- 5000 hours L10 life at full-rated load

CAST IRON HOUSING

- Computer modeled
- Low profile

Features / Benefits

USER FRIENDLY

- Shipped installation ready
- Factory filled with long life synthetic lube
- Modular design inputs for easy field modifications

RUGGED DESIGN

with ease of service features

- Designed with service in mind
- Easy access to seals & internal components
- No special tooling required to service
- Never a "throw away" with routine service practices
- Service support & parts available through nationwide distribution network
- Detailed service and repair manual online at www.master-pt.com



PATENTED COUPLING SYSTEM

The patented C-adapter utilizes a cross split, keyed hollow bore and a clamp collar to reduce fretting corrosion. Easy C-face motor removal is the result.





Designed For Your Needs

High power density

- FHP through 75 HP
- 1.2 through 129.7:1 AGMA ratios
- C-face reducers
- Integral gearmotors
- Shaft-in separate reducers
- Foot or flange mounts

User friendly for lower operational costs

- USDA approved finish
- Factory filled with premium lubricant - USDA H2 approved
- High efficiency - 98% per gear stage
- Easy C-face motor installation/removal

Durable design and maintainable

- Easy access to seals and internal parts from both ends of the reducer
- Pry slots on end covers
- Joint sealant - eliminates leaking gaskets
- Extended routine service cycles

Other available options

- **NEW!** Pre-Engineered variable speed packages with pre-assembled motor and APG gearboxes, matched with a versatile Variable Frequency Drive in a NEMA 4X/12 enclosure.

Available in several versions and common voltages:

- upsize horsepower rated packages through 50 HP
- drop-in replacement for the Reeves MotoDrive. The Reeves INNOVAdrive is an identical foot-print and shaft location replacement for 1/2 HP through 7-1/2 HP Reeves MotoDrive

Available now. On-Line catalog coming soon. Call for details, ratings and CAD drawings.

- Premium/special purpose motors:
 - Energy efficient motors
 - Brakemotors
 - Washdown motors
 - Servo and synchronous motor compatibility
- Output flanges
- High ratio capability
- XT-washdown gearcase option
- Premium washdown modification
 - Nylon 11 coated housing
 - Stainless steel hardware
 - Electroless nickel plated output shaft



APG C-Face Reducer



APG Separate Reducer



APG Gearmotor



APG Washdown C-Face Gearmotor

APG

MASTER XL

COMBOGEAR

MOTO DRIVE

ULTIMA

PULLEYS

APG

The **APG** Speed Reducer shall be suitable for C-face, separate, or integral gearmotor construction in either base or output flange mountings, and available in single, double, or triple reduction ratios.

The reducer housing and covers shall be constructed of corrosion resistant, class 30 gray iron with cast internal ribbing for added strength. All housings and end covers shall be either doweled or tenoned, and precision machined to assure accurate alignment for all gear sets.

Gearing shall be of single helical design, and crown shaved or ground to provide an ellipsoid tooth form to eliminate tooth end wearing and assure meshing in the strongest tooth area. All gears shall be case carburized to insure a high surface durability and resilient tooth core for greater impact resistance and longer service life.

The input pinion shall be of the shank pinion design that is assembled by being pressed and cross pinned into place.

Reducer bearings shall be the taper roller or ball type and provide a minimum 25,000 hour average life. All seals shall be of the spring loaded type, made of viton (input seals) and nitrile rubber (output seals.)

Reducer gears and bearings shall be splash lubricated using an extended life synthetic hydrocarbon lubricant containing additives that enhance oxidation stability and provides protection against rust. The lubricant allows a wide operating temperature range of -10°F to 165°F ambient and meets USDA class H-2 standards.

C-face reducers shall be of the cross split hollow bore and clamp collar design so as to eliminate backlash at the motor connection, and eliminate, or minimize, fretting corrosion between the motor shaft and the reducer stub shaft.

HOW TO ORDER

APG Reducers and Gearmotors have part numbers assigned that can be found on the selection pages. Refer to the part number when ordering. Always specify mounting position if other than standard, and specify flange mounting and accessories/ modifications, if required.

Refer to the following procedure for selection assistance.

Step 1: For applications with one start/hr. or less and nonpulsating load (starting factor = 1.0) skip Steps 2 and 3 and proceed to Step 4. For applications with more than one start/hr. proceed to Step 2.

Step 2: Determine inertia ratio.

Inertia Ratio = $\frac{\text{Driven Inertia}}{\text{Driving Inertia}}$

Where: **Driving Inertia** is defined as the motor inertia. This value must be provided by the motor manufacturer. On APG Gearmotors, driving inertia data is available from your MASTER Sales Engineer or Application Engineering.

Driven Inertia is defined as the "load inertia" referred to the motor speed. The "load inertia" must be provided by the driven machine manufacturer. For assistance contact application engineering or see the following formulas.

$$\text{Rotating Driven Inertia} = \text{Load Inertia} \times \left(\frac{\text{Load RPM}}{\text{Motor RPM}} \right)^2$$

$$\text{Linear Driven Inertia} = W \times \left(\frac{V}{6.28 N} \right)^2$$

Where: W = Weight (Lbs.)
V = Linear Velocity (Ft./Min.)
N = Motor RPM

If these values are unobtainable proceed to Step 3.

NOTE: Gearbox Inertias, not addressed above, are typically negligible. If required, inertia values for the APG unit may be obtained from your MASTER Sales Engineer or Application Engineering.

APG

Step 3: With inertia ratio determined, use Chart 1 to select starting factor.

Chart 1: Starting Factors

Starts HR	Inertia Ratios				Unknown Inertia Ratio
	0.0-0.5	>0.5-1.0	>1.0-2.0	>2.0-4.0	
1	1.00	1.00	1.00	1.00	1.00
2	1.00	1.00	1.00	1.15	1.15
5	1.00	1.00	1.13	1.33	1.33
10	1.00	1.01	1.21	1.45	1.45
15	1.00	1.03	1.26	1.51	1.51
20	1.00	1.05	1.29	1.56	1.56
25	1.00	1.05	1.31	1.59	1.59

If starting frequency is greater than 25 starts/hr., contact application engineering at 812-376-1100.

Step 4: Determine "Driven Machine Factor" from Chart 2 below.

Chart 2: Driven Machine Factor

Prime Mover	Duration of Service Per Day	Driven Load Classification		
		Uniform	Medium Shock	Heavy Shock
Electric Motor	Intermittent 2 hrs.	0.90	1.00	1.50
	Up to 10 hours	1.00	1.25	1.75
	10-24 hours	1.25	1.50	2.00
Multi-cylinder Internal Combustion Engine	Intermittent 2 hrs.	1.00	1.25	1.75
	Up to 10 hours	1.25	1.50	2.00
	10-24 hours	1.50	1.75	2.25
Single Cylinder Internal Combustion Engine	Intermittent 2 hrs.	1.25	1.50	2.00
	Up to 10 hours	1.50	1.75	2.25
	10-24 hours	1.75	2.00	2.50

Step 5: Determine service factor.

Service Factor = Starting Factor x Driven Machine Factor

Step 6:

Reducer Selection-

Using the service factor obtained in Step 5, calculate the equivalent HP by multiplying the demand HP to be transmitted by the service factor.

$$\text{Equivalent HP} = \frac{\text{Demand HP} \times \text{Service Factor}}{\text{Nominal Efficiency}}$$

Where: Single Reduction Nominal Eff. = 0.98
Double Reduction Nominal Eff. = 0.96
Triple Reduction Nominal Eff. = 0.94

Gearmotor Selection -

Determine class of service from Chart 3.

Chart 3: Class of Service

Service Factor	Class of Service
0.9-1.0	I
>1.0-1.4	II
>1.4-2.0	III

For service factors greater than 2.0, a MASTER APG reducer must be selected.

Step 7:

Reducer Selection -

From rating tables pages D1-7 through D1-48, make reducer selection based on input RPM, ratio, and equivalent HP.

Gearmotor Selection -

Go to the desired HP Gearmotor Selection Table for the appropriate class of service and output RPM (or reduction ratio). This will indicate gearcase size, motor frame size, output torque, and output OHL capacity.

Step 8: Check overhung loads by using the following formula:

$$\text{OHL} = \frac{126,000 \times \text{HP} \times \text{Fc} \times \text{Lf}}{\text{PD} \times \text{RPM}}$$

Where: OHL = Overhung Load (lbs.)

HP = Demand Horsepower

Fc = Load Connection Factor

Chain Drive: Fc = 1.00

Synchronous Belt Drive Fc = 1.10

Spur or Helical Gear Fc = 1.25

V-Belt Drive Fc = 1.50

Flat Belt Drive Fc = 2.50

Lf = Load Location Factor. For Lf of low speed shaft see page D1-85.

PD = Pitch Diameter (inches)

RPM = Revolutions per Minute (output)

To minimize overhung load and increase bearing life, load centerline should be located as close to the shaft shoulder as possible. For applications where OHL exceeds catalogued values contact Application Engineering or use the reducer selection tables to select the next largest size gearcase.

NOMENCLATURE

APG Reducers And Gearmotors

XXX - XXX - X X X X - X - XXX.XX - XXX

MOTOR HP-IF G CONSTRUCTION
MOTOR HP-IF M CONSTRUCTION
BLANK-IF R CONSTRUCTION OR IF NO
MOTOR ATTACHED

MOTOR FRAME-IF G CONSTRUCTION
MOTOR FRAME-IF M CONSTRUCTION
BLANK-IF R CONSTRUCTION

STAGES OF REDUCTION

S = SINGLE
D = DOUBLE
T = TRIPLE

GEARCASE CONSTRUCTION
G = INTEGRAL GEARMOTOR
M = C-FACE MOTORIZED
R = SEPARATE REDUCER

GEARCASE SIZE-1 THROUGH 8

FOOTMOUNT (A) OR FLANGE
MOUNT (F)

CLASS OF SERVICE
1, 2 OR 3-IF G CONSTRUCTION
BLANK-IF M CONSTRUCTION
BLANK-IF R CONSTRUCTION

RATIO-1.22 THROUGH 129.7

MOUNTING POSITION - SEE PAGE APG-77 & 78 FOR GEARMOTORS
APG-79 & 80 FOR REDUCERS
APG-81 FOR SEPARATES

NOMENCLATURE EXAMPLES

15 - 215TY - D G 5 A - 2 - 11.4 - A1

MOTOR HP - 15 HP

MOTOR FRAME - 215 TY

DOUBLE REDUCTION

INTEGRAL GEARMOTOR CONSTRUCTION

APG SIZE 5

FOOT MOUNT

CLASS 2 SERVICE

11.4:1 NOMINAL RATIO

A1 MOUNTING POSITION

SINGLE REDUCTION

SEPARATE REDUCER CONSTRUCTION

APG SIZE 3

FOOT MOUNT

2.25:1 NOMINAL RATIO

C2 MOUNTING POSITION

S R 3 A - 2.25 - C2

11.4:1 NOMINAL RATIO

A1 MOUNTING POSITION

MOTOR FRAME - 184TC

TRIPLE REDUCTION

C-FACE REDUCER CONSTRUCTION

APG SIZE 6

FLANGE MOUNT

86.5:1 NOMINAL RATIO

AF5 MOUNTING POSITION

184TC - T M 6 F - 86.5 - AF5

APG 1/3 HP Gearmotors

CLASS I (See selection procedure, page APG-4)

	Output RPM	Ratio	Case Size	Motor Frame	Output OHL ⁽¹⁾	Output Torque (in. lb.)	MODEL NUMBER
SINGLE	1430	1.22	3	FB56P	1185	14	AP1311430
	1170	1.50	3	FB56P	1205	17	AP1311170
	950	1.84	3	FB56P	1235	21	AP1310950
	780	2.25	3	FB56P	1255	26	AP1310780
	640	2.76	3	FB56P	1235	32	AP1310640
	520	3.38	3	FB56P	1255	39	AP1310520
	420	4.13	3	FB56P	1280	49	AP1310420
	350	5.06	3	FB56P	1310	58	AP1310350
DOUBLE	280	6.20	3	FB56P	1400	71	AP1310280
	230	7.59	3	FB56P	1500	87	AP1310230
	190	9.30	3	FB56P	1580	105	AP1310190
	155	11.4	3	FB56P	1700	129	AP1310155
	125	14.0	3	FB56P	1815	160	AP1310125
	100	17.1	3	FB56P	1970	200	AP1310100
	84	20.9	3	FB56P	2100	238	AP1310084
	68	25.6	3	FB56P	2240	294	AP1310068
TRIPLE	56	31.4	3	FB56P	2300	349	AP1310056
	45	38.4	3	FB56P	2300	434	AP1310045
	37	47.1	3	FB56P	2300	528	AP1310037
	30	57.7	3	FB56P	2300	651	AP1310030
	25	70.6	3	FB56P	2300	782	AP1310025
	20	86.5	3	FB56P	2300	977	AP1310020
	16.5	105.9	3	FB56P	2300	1184	AP1310016
	13.5	129.7	3	FB56P	2300	1448	AP1310013

CLASS II

	Output RPM	Ratio	Case Size	Motor Frame	Output OHL ⁽¹⁾	Output Torque (in. lb.)	MODEL NUMBER
SINGLE	1430	1.22	3	FB56P	1180	14	AP1321430
	1170	1.50	3	FB56P	1205	17	AP1321170
	950	1.84	3	FB56P	1235	21	AP1320950
	780	2.25	3	FB56P	1250	26	AP1320780
	640	2.76	3	FB56P	1235	32	AP1320640
	520	3.38	3	FB56P	1255	39	AP1320520
	420	4.13	3	FB56P	1280	49	AP1320420
	350	5.06	3	FB56P	1295	58	AP1320350
DOUBLE	280	6.20	3	FB56P	1395	71	AP1320280
	230	7.59	3	FB56P	1495	87	AP1320230
	190	9.30	3	FB56P	1580	105	AP1320190
	155	11.4	3	FB56P	1700	129	AP1320155
	125	14.0	3	FB56P	1820	160	AP1320125
	100	17.1	3	FB56P	1960	200	AP1320100
	84	20.9	3	FB56P	2080	238	AP1320084
	68	25.6	3	FB56P	2230	294	AP1320068
TRIPLE	56	31.4	3	FB56P	2300	349	AP1320056
	45	38.4	3	FB56P	2300	434	AP1320045
	37	47.1	3	FB56P	2300	528	AP1320037
	30	57.7	3	FB56P	2300	651	AP1320030
	25	70.6	3	FB56P	2300	782	AP1320025
	20	86.5	3	FB56P	2300	977	AP1320020
	16.5	105.9	3	FB56P	2300	1184	AP1320016
	13.5	129.7	3	FB56P	2220	1448	AP1320013

CLASS III

	Output RPM	Ratio	Case Size	Motor Frame	Output OHL ⁽¹⁾	Output Torque (in. lb.)	MODEL NUMBER
SINGLE	1430	1.22	3	FB56P	1165	14	AP1331430
	1170	1.50	3	FB56P	1205	17	AP1331170
	950	1.84	3	FB56P	1230	21	AP1330950
	780	2.25	3	FB56P	1250	26	AP1330780
	640	2.76	3	FB56P	1235	32	AP1330640
	520	3.38	3	FB56P	1255	39	AP1330520
	420	4.13	3	FB56P	1280	49	AP1330420
	350	5.06	3	FB56P	1270	58	AP1330350
DOUBLE	280	6.20	3	FB56P	1395	71	AP1330280
	230	7.59	3	FB56P	1490	87	AP1330230
	190	9.30	3	FB56P	1580	105	AP1330190
	155	11.4	3	FB56P	1695	129	AP1330155
	125	14.0	3	FB56P	1820	160	AP1330125
	100	17.1	3	FB56P	1960	200	AP1330100
	84	20.9	3	FB56P	2080	238	AP1330084
	68	25.6	3	FB56P	2210	294	AP1330068
TRIPLE	56	31.4	3	FB56P	2300	349	AP1330056
	45	38.4	3	FB56P	2300	434	AP1330045
	37	47.1	3	FB56P	2300	528	AP1330037
	30	57.7	3	FB56P	2300	651	AP1330030
	25	70.6	3	FB56P	2300	782	AP1330025
	20	86.5	3	FB56P	2140	977	AP1330020
	16.5	105.9	3	FB56P	1960	1184	AP1330016
	13.5	129.7	3	FB56P	1740	1448	AP1330013

NOTE:

All Motors Used On APG
Integral Gearmotors Are
Standard Efficient, TEFC
Continuous Duty, 40° C
Ambient, Design B, Class
F Insulation, 1.15 Service
Factor, 1750 RPM,
3-60-230/460 Volts

NOTE:

Integral Gearmotors Are
Not Available In Case Sizes
1 & 2

(1) At one shaft diameter from the shaft shoulder. Measured in lbs.

NOTE: 3 ft. lb. brake available. Brake coils are single phase, 60 Hz, 230/460 volts AC.

APG 1/2 HP Gearmotors

CLASS I (See selection procedure, page APG-4)

	Output RPM	Ratio	Case Size	Motor Frame	Output OHL ⁽¹⁾	Output Torque (in. lb.)	MODEL NUMBER
SINGLE	1430	1.22	3	FB56P	1175	22	AP1211430
	1170	1.50	3	FB56P	1205	26	AP1211170
	950	1.84	3	FB56P	1235	32	AP1210950
	780	2.25	3	FB56P	1250	40	AP1210780
	640	2.76	3	FB56P	1235	48	AP1210640
	520	3.38	3	FB56P	1255	59	AP1210520
	420	4.13	3	FB56P	1280	74	AP1210420
	350	5.06	3	FB56P	1280	88	AP1210350
DOUBLE	280	6.20	3	FB56P	1395	108	AP1210280
	230	7.59	3	FB56P	1495	131	AP1210230
	190	9.30	3	FB56P	1580	159	AP1210190
	155	11.40	3	FB56P	1700	195	AP1210155
	125	14.00	3	FB56P	1820	242	AP1210125
	100	17.10	3	FB56P	1960	302	AP1210100
	84	20.90	3	FB56P	2080	360	AP1210084
	68	25.60	3	FB56P	2220	445	AP1210068
TRIPLE	56	31.40	3	FB56P	2300	529	AP1210056
	45	38.40	3	FB56P	2300	658	AP1210045
	37	47.10	3	FB56P	2300	800	AP1210037
	30	57.70	3	FB56P	2300	987	AP1210030
	25	70.60	3	FB56P	2300	1184	AP1210025
	20	86.50	3	FB56P	2300	1481	AP1210020
	16.5	105.90	3	FB56P	2300	1795	AP1210016
	13.5	129.70	3	FB56P	2140	2193	AP1210013

CLASS II

	Output RPM	Ratio	Case Size	Motor Frame	Output OHL ⁽¹⁾	Output Torque (in. lb.)	MODEL NUMBER
SINGLE	1430	1.22	3	FB56P	1160	22	AP1221430
	1170	1.50	3	FB56P	1205	26	AP1221170
	950	1.84	3	FB56P	1230	32	AP1220950
	780	2.25	3	FB56P	1250	40	AP1220780
	640	2.76	3	FB56P	1235	48	AP1220640
	520	3.38	3	FB56P	1250	59	AP1220520
	420	4.13	3	FB56P	1275	74	AP1220420
	350	5.06	3	FB56P	1265	88	AP1220350
DOUBLE	280	6.20	3	FB56P	1395	108	AP1220280
	230	7.59	3	FB56P	1490	131	AP1220230
	190	9.30	3	FB56P	1580	159	AP1220190
	155	11.40	3	FB56P	1695	195	AP1220155
	125	14.00	3	FB56P	1820	242	AP1220125
	100	17.10	3	FB56P	1955	302	AP1220100
	84	20.90	3	FB56P	2070	360	AP1220084
	68	25.60	3	FB56P	2200		AP1220068
TRIPLE	56	31.40	3	FB56P	2300	529	AP1220056
	45	38.40	3	FB56P	2300	658	AP1220045
	37	47.10	3	FB56P	2300	800	AP1220037
	30	57.70	3	FB56P	2300	987	AP1220030
	25	70.60	3	FB56P	2250	1184	AP1220020
	20	86.50	3	FB56P	2080	1481	AP1220020
	16.50	105.90	3	FB56P	1880	1795	AP1220016
	13.50	129.70	3	FB56P	1880	2193	AP1220013

CLASS III

	Output RPM	Ratio	Case Size	Motor Frame	Output OHL ⁽¹⁾	Output Torque (in. lb.)	MODEL NUMBER
SINGLE	1430	1.22	3	FB56P	1140	22	AP1231430
	1170	1.50	3	FB56P	1190	26	AP1231170
	950	1.84	3	FB56P	1230	32	AP1230950
	780	2.25	3	FB56P	1250	40	AP1230780
	640	2.76	3	FB56P	1230	48	AP1230640
	520	3.38	3	FB56P	1245	59	AP1230520
	420	4.13	3	FB56P	1275	74	AP1230420
DOUBLE	350	5.06	3	FB56P	1300	86	AP1230350
	280	6.20	3	FB56P	1395	108	AP1230280
	230	7.59	3	FB56P	1480	131	AP1230230
	190	9.30	3	FB56P	1570	159	AP1230190
	155	11.40	3	FB56P	1680	195	AP1230155
	125	14.00	3	FB56P	1800	242	AP1230125
	100	17.10	3	FB56P	1940	302	AP1230100
	84	20.90	3	FB56P	2040	360	AP1230084
TRIPLE	68	25.60	3	FB56P	2180	445	AP1230068
	56	31.40	3	FB56P	2300	529	AP1230056
	45	38.40	3	FB56P	2300	529	AP1230056
	37	47.10	3	FB56P	2140	800	AP1230037
	30	57.70	3	FB56P	1990	987	AP1230030
	25	70.60	3	FB56P	1840	1184	AP1230025
	20	86.50	3	FB56P	1580	1481	AP1230020
	16.50	105.90	3	FB56P	2400	1795	AP1230016
	13.50	129.70	3	FB56P	2400	2193	AP1230013

NOTE:

All Motors Used On APG
Integral Gearmotors Are
Standard Efficient, TEFC
Continuous Duty, 40° C
Ambient, Design B, Class
F Insulation, 1.15 Service
Factor, 1750 RPM,
3-60-230/460 Volts

NOTE:

Integral Gearmotors Are
Not Available In Case Sizes
1 & 2

(1) At one shaft diameter from the shaft shoulder. Measured in lbs.

NOTE: 3 ft. lb. brake available. Brake coils are single phase, 60 Hz, 230/460 volts AC.

APG 3/4 HP Gearmotors

CLASS I (See selection procedure, page APG-4)

	Output RPM	Ratio	Case Size	Motor Frame	Output OHL ⁽¹⁾	Output Torque (in.-lb.)	MODEL NUMBER
SINGLE	1430	1.22	3	FB56P	1160	32	AP3411430
	1170	1.50	3	FB56P	1195	40	AP3411170
	950	1.84	3	FB56P	1230	49	AP3410950
	780	2.25	3	FB56P	1250	59	AP3410780
	640	2.76	3	FB56P	1235	72	AP3410640
	520	3.38	3	FB56P	1245	89	AP3410520
	420	4.13	3	FB56P	1275	110	AP3410420
	350	5.06	3	FB56P	1260	132	AP3410350
DOUBLE	280	6.20	3	FB56P	1395	162	AP3410280
	230	7.59	3	FB56P	1480	197	AP3410230
	190	9.30	3	FB56P	1580	239	AP3410190
	155	11.40	3	FB56P	1690	293	AP3410155
	125	14.00	3	FB56P	1810	363	AP3410125
	100	17.10	3	FB56P	1970	454	AP3410100
	84	20.90	3	FB56P	2060	540	AP3410084
	68	25.60	3	FB56P	2200	667	AP3410068
TRIPLE	56	31.40	3	FB56P	2300	793	AP3410056
	45	38.40	3	FB56P	2300	987	AP3410045
	37	47.10	3	FB56P	2300	1200	AP3410037
	30	57.70	3	FB56P	2300	1481	AP3410030
	25	70.60	3	FB56P	2160	1777	AP3410025
	20	86.50	3	FB56P	2000	2221	AP3410020
	16.50	105.90	3	FB56P	1810	2692	AP3410016
	13.50	129.70	3	FB56P	1500	3290	AP3410013

CLASS II

	Output RPM	Ratio	Case Size	Motor Frame	Output OHL ⁽¹⁾	Output Torque (in.-lb.)	MODEL NUMBER
SINGLE	1430	1.22	3	FB56P	1140	32	AP3421430
	1170	1.50	3	FB56P	1185	40	AP3421170
	950	1.84	3	FB56P	1225	49	AP3420950
	780	2.25	3	FB56P	1250	59	AP3420780
	640	2.76	3	FB56P	1230	72	AP3420640
	520	3.38	3	FB56P	1245	89	AP3420520
	420	4.13	3	FB56P	1275	110	AP3420420
	350	5.06	3	FB56P	1280	130	AP3420350
DOUBLE	280	6.20	3	FB56P	1380	162	AP3420280
	230	7.59	3	FB56P	1480	197	AP3420230
	190	9.30	3	FB56P	1570	239	AP3420190
	155	11.40	3	FB56P	1680	293	AP3420155
	125	14.00	3	FB56P	1800	363	AP3420125
	100	17.10	3	FB56P	1940	454	AP3420100
	84	20.90	3	FB56P	2040	540	AP3420084
	68	25.60	3	FB56P	2180	667	AP3420068
TRIPLE	56	31.40	3	FB56P	2300	793	AP3420056
	45	38.40	3	FB56P	2200	987	AP3420045
	37	47.10	3	FB56P	2100	1200	AP3420037
	30	57.70	3	FB56P	1930	1481	AP3420030
	25	70.60	3	FB56P	1660	1777	AP3420025
	20	86.50	3	FB56P	1500	2221	AP3420020
	16.50	105.90	4	FB56P	2400	2692	AP3420016
	13.50	129.70	4	FB56P	2400	3290	AP3420013

CLASS III

	Output RPM	Ratio	Case Size	Motor Frame	Output OHL ⁽¹⁾	Output Torque (in.-lb.)	MODEL NUMBER
SINGLE	1430	1.22	3	FB56P	1115	32	AP3431430
	1170	1.50	3	FB56P	1155	40	AP3431170
	950	1.84	3	FB56P	1190	49	AP3430950
	780	2.25	3	FB56P	1230	59	AP3430780
	640	2.76	3	FB56P	1205	72	AP3430640
	520	3.38	3	FB56P	1205	89	AP3430520
DOUBLE	420	4.13	3	FB56P	1220	108	AP3430420
	350	5.06	3	FB56P	1280	130	AP3430350
	280	6.20	3	FB56P	1380	162	AP3430280
	230	7.59	3	FB56P	1470	197	AP3430230
	190	9.30	3	FB56P	1560	239	AP3430190
	155	11.40	3	FB56P	1660	293	AP3430155
	125	14.00	3	FB56P	1780	363	AP3430125
	100	17.10	3	FB56P	1910	454	AP3430100
	84	20.90	3	FB56P	2010	540	AP3430084
TRIPLE	68	25.60	3	FB56P	2170	667	AP3430068
	56	31.40	3	FB56P	2100	793	AP3430056
	45	38.40	3	FB56P	1960	987	AP3430045
	37	47.10	3	FB56P	1780	1200	AP3430037
	30	57.70	3	FB56P	1540	1481	AP3430030
	25	70.60	4	FB56P	2400	1777	AP3430025
	20	86.50	4	FB56P	2400	2221	AP3430020
	16.50	105.90	4	FB56P	2200	2692	AP3430016
	13.50	129.70	5	FB56P	3600	3290	AP3430013

NOTE:

All Motors Used On APG Integral Gearmotors Are Standard Efficient, TEFC Continuous Duty, 40° C Ambient, Design B, Class F Insulation, 1.15 Service Factor, 1750 RPM, 3-60-230/460 Volts

NOTE:

Integral Gearmotors Are Not Available In Case Sizes 1 & 2

(1) At one shaft diameter from the shaft shoulder. Measured in lbs.

NOTE: 3 ft. lb. brake available. Brake coils are single phase, 60 Hz, 230/460 volts AC.

APG 1 HP Gearmotors

CLASS I (See selection procedure, page APG-4)

	Output RPM	Ratio	Case Size	Motor Frame	Output OHL ⁽¹⁾	Output Torque (in.-lb.)	MODEL NUMBER
SINGLE	1430	1.22	3	FB56P	1140	43	AP0111430
	1170	1.50	3	FB56P	1190	53	AP0111170
	950	1.84	3	FB56P	1230	65	AP0110950
	780	2.25	3	FB56P	1250	79	AP0110780
	640	2.76	3	FB56P	1230	96	AP0110640
	520	3.38	3	FB56P	1245	119	AP0110520
	420	4.13	3	FB56P	1275	147	AP0110420
	350	5.06	3	FB56P	1225	176	AP0110350
DOUBLE	280	6.20	3	FB56P	1395	216	AP0110280
	230	7.59	3	FB56P	1480	263	AP0110230
	190	9.30	3	FB56P	1540	318	AP0110190
	155	11.4	3	FB56P	1680	390	AP0110155
	125	14.0	3	FB56P	1800	484	AP0110125
	100	17.1	3	FB56P	1940	605	AP0110100
	84	20.9	3	FB56P	2040	720	AP0110084
	68	25.6	3	FB56P	2180	889	AP0110068
TRIPLE	56	31.4	3	FB56P	2300	1058	AP0110056
	45	38.4	3	FB56P	2300	1316	AP0110045
	37	47.1	3	FB56P	2140	1601	AP0110037
	30	57.7	3	FB56P	1990	1974	AP0110030
	25	70.6	3	FB56P	1830	2369	AP0110025
	20	86.5	3	FB56P	1580	2961	AP0110020
	16.5	105.9	4	FB56P	2400	3589	AP0110016
	13.5	129.7	4	FB56P	2400	4387	AP0110013

CLASS II

	Output RPM	Ratio	Case Size	Motor Frame	Output OHL ⁽¹⁾	Output Torque (in.-lb.)	MODEL NUMBER
SINGLE	1430	1.22	3	FB56P	1120	43	AP0121430
	1170	1.50	3	FB56P	1160	53	AP0121170
	950	1.84	3	FB56P	1200	65	AP0120950
	780	2.25	3	FB56P	1240	79	AP0120780
	640	2.76	3	FB56P	1215	96	AP0120640
	520	3.38	3	FB56P	1215	119	AP0120520
DOUBLE	420	4.13	3	FB56P	1220	144	AP0120420
	350	5.06	3	FB56P	1280	173	AP0120350
	280	6.20	3	FB56P	1380	216	AP0120280
	230	7.59	3	FB56P	1470	263	AP0120230
	190	9.30	3	FB56P	1560	318	AP0120190
	155	11.4	3	FB56P	1670	390	AP0120155
	125	14.0	3	FB56P	1780	484	AP0120125
	100	17.1	3	FB56P	1910	605	AP0120100
TRIPLE	84	20.9	3	FB56P	2020	720	AP0120084
	68	25.6	3	FB56P	2150	889	AP0120068
	56	31.4	3	FB56P	2160	1058	AP0120056
	45	38.4	3	FB56P	2020	1316	AP0120045
	37	47.1	3	FB56P	1870	1601	AP0120037
	30	57.7	3	FB56P	1640	1974	AP0120030
	25	70.6	4	FB56P	2400	2369	AP0120025
	20	86.5	4	FB56P	2400	2961	AP0120020
	16.5	105.9	4	FB56P	2400	3589	AP0120016
	13.5	129.7	5	FB56P	3600	4387	AP0120013

CLASS III

	Output RPM	Ratio	Case Size	Motor Frame	Output OHL ⁽¹⁾	Output Torque (in.-lb.)	MODEL NUMBER
SINGLE	1430	1.22	3	FB56P	1090	43	AP0131430
	1170	1.50	3	FB56P	1120	53	AP0131170
	950	1.84	3	FB56P	1155	65	AP0130950
	780	2.25	3	FB56P	1190	79	AP0130780
	640	2.76	3	FB56P	1155	96	AP0130640
	520	3.38	3	FB56P	1150	119	AP0130520
DOUBLE	420	4.13	3	FB56P	1220	144	AP0130420
	350	5.06	3	FB56P	1260	173	AP0130350
	280	6.20	3	FB56P	1370	216	AP0130280
	230	7.59	3	FB56P	1460	263	AP0130230
	190	9.30	3	FB56P	1550	318	AP0130190
	155	11.4	3	FB56P	1630	390	AP0130155
	125	14.0	3	FB56P	1760	484	AP0130125
	100	17.1	3	FB56P	1880	605	AP0130100
TRIPLE	84	20.9	3	FB56P	1970	720	AP0130084
	68	25.6	3	FB56P	1900	889	AP0130068
	56	31.4	3	FB56P	1760	1058	AP0130056
	45	38.4	3	FB56P	1530	1316	AP0130045
	37	47.1	4	FB56P	2400	1601	AP0130037
	30	57.7	4	FB56P	2400	1974	AP0130030
	25	70.6	4	FB56P	2400	2369	AP0130025
	20	86.5	4	FB56P	2040	2961	AP0130020
	16.5	105.9	5	FB56P	3600	3589	AP0130016
	13.5	129.7	5	FB56P	3600	4387	AP0130013

NOTE:

All Motors Used On APG
Integral Gearmotors Are
Standard Efficient, TEFC
Continuous Duty, 40° C
Ambient, Design B, Class
F Insulation, 1.15 Service
Factor, 1750 RPM,
3-60-230/460 Volts

NOTE:

Integral Gearmotors Are
Not Available In Case Sizes
1 & 2

(1) At one shaft diameter from the shaft shoulder. Measured in lbs.

NOTE: 3 ft. lb. brake available. Brake coils are single phase, 60 Hz, 230/460 volts AC.

APG 1-1/2 HP Gearmotors

CLASS I (See selection procedure, page APG-4)

	Output RPM	Ratio	Case Size	Motor Frame	Output OHL ⁽¹⁾	Output Torque (in.-lb.)	MODEL NUMBER
SINGLE	1430	1.22	3	FB143P	1115	65	AP3211430
	1170	1.50	3	FB143P	1155	79	AP3211170
	950	1.84	3	FB143P	1190	97	AP3210950
	780	2.25	3	FB143P	1230	119	AP3210780
	640	2.76	3	FB143P	1205	145	AP3210640
	520	3.38	3	FB143P	1200	178	AP3210520
DOUBLE	420	4.13	3	FB143P	1220	216	AP3210420
	350	5.06	3	FB143P	1280	259	AP3210350
	280	6.20	3	FB143P	1380	324	AP3210280
	230	7.59	3	FB143P	1470	394	AP3210230
	190	9.30	3	FB143P	1560	477	AP3210190
	155	11.4	3	FB143P	1660	586	AP3210155
	125	14.0	3	FB143P	1780	726	AP3210125
	100	17.1	3	FB143P	1910	907	AP3210100
	84	20.9	3	FB143P	2010	1080	AP3210084
	68	25.6	3	FB143P	2170	1334	AP3210068
TRIPLE	56	31.4	3	FB143P	2100	1586	AP3210056
	45	38.4	3	FB143P	1960	1974	AP3210045
	37	47.1	3	FB143P	1780	2401	AP3210037
	30	57.7	3	FB143P	1540	2961	AP3210030
	25	70.6	4	FB143P	2400	3553	AP3210025
	20	86.5	4	FB143P	2400	4442	AP3210020
	16.5	105.9	4	FB143P	2200	5384	AP3210016
	13.5	129.7	5	FB143P	3600	6580	AP3210013

CLASS II

	Output RPM	Ratio	Case Size	Motor Frame	Output OHL ⁽¹⁾	Output Torque (in.-lb.)	MODEL NUMBER
SINGLE	1430	1.22	3	FB143P	1080	65	AP3221430
	1170	1.50	3	FB143P	1115	79	AP3221170
	950	1.84	3	FB143P	1175	97	AP3220950
	780	2.25	3	FB143P	1280	119	AP3220780
	640	2.76	3	FB143P	1145	145	AP3220640
	520	3.38	3	FB143P	1095	178	AP3220520
DOUBLE	420	4.13	3	FB143P	1220	216	AP3220420
	350	5.06	3	FB143P	1270	259	AP3220350
	280	6.20	3	FB143P	1370	324	AP3220280
	230	7.59	3	FB143P	1460	394	AP3220230
	190	9.30	3	FB143P	1540	477	AP3220190
	155	11.4	3	FB143P	1640	586	AP3220155
	125	14.0	3	FB143P	1750	726	AP3220125
	100	17.1	3	FB143P	1870	907	AP3220100
	84	20.9	3	FB143P	1960	1080	AP3220084
	68	25.6	3	FB143P	1810	1334	AP3220068
TRIPLE	56	31.4	3	FB143P	1770	1586	AP3220056
	45	38.4	3	FB143P	1550	1974	AP3220045
	37	47.1	4	FB143P	2400	2401	AP3220037
	30	57.7	4	FB143P	2400	2961	AP3220030
	25	70.6	4	FB143P	2270	3553	AP3220025
	20	86.5	5	FB143P	3600	4442	AP3220020
	16.5	105.9	5	FB143P	3600	5384	AP3220016
	13.5	129.7	5	FB143P	3600	6580	AP3220013

CLASS III

	Output RPM	Ratio	Case Size	Motor Frame	Output OHL ⁽¹⁾	Output Torque (in.-lb.)	MODEL NUMBER
SINGLE	1430	1.22	3	FB143P	1025	65	AP3231430
	1170	1.50	3	FB143P	1055	79	AP3231170
	950	1.84	3	FB143P	1080	97	AP3230950
	780	2.25	3	FB143P	1095	119	AP3230780
	640	2.76	3	FB143P	1050	145	AP3230640
	520	3.38	3	FB143P	1025	178	AP3230520
DOUBLE	420	4.13	3	FB143P	1200	216	AP3230420
	350	5.06	3	FB143P	1260	259	AP3230350
	280	6.20	3	FB143P	1350	324	AP3230280
	230	7.59	3	FB143P	1430	394	AP3230230
	190	9.30	3	FB143P	1520	477	AP3230190
	155	11.4	3	FB143P	1600	586	AP3230155
	125	14.0	3	FB143P	1700	726	AP3230125
	100	17.1	3	FB143P	1840	907	AP3230100
	84	20.9	3	FB143P	1660	1080	AP3230084
	68	25.6	3	FB143P	1480	1334	AP3230068
TRIPLE	56	31.4	4	FB143P	2400	1586	AP3230056
	45	38.4	4	FB143P	2400	1974	AP3230045
	37	47.1	4	FB143P	2400	2401	AP3230037
	30	57.7	5	FB143P	3600	2961	AP3230030
	25	70.6	5	FB143P	3600	3553	AP3230025
	20	86.5	5	FB143P	3600	4442	AP3230020
	16.5	105.9	5	FB143P	3600	5384	AP3230016
	13.5	129.7	6	FB143P	5500	6580	AP3230013

NOTE:

All Motors Used On APG
Integral Gearmotors Are
Standard Efficient, TEFC
Continuous Duty, 40° C
Ambient, Design B, Class
F Insulation, 1.15 Service
Factor, 1750 RPM,
3-60-230/460 Volts

NOTE:

Integral Gearmotors Are
Not Available In Case Sizes
1 & 2

(1) At one shaft diameter from the shaft shoulder. Measured in lbs.

NOTE: 6 ft. lb. brake available. Brake coils are single phase, 60 Hz, 230/460 volts AC.

APG 2 HP Gearmotors

CLASS I (See selection procedure, page APG-4)

	Output RPM	Ratio	Case Size	Motor Frame	Output OHL ⁽¹⁾	Output Torque (in.-lb.)	MODEL NUMBER
SINGLE	1430	1.22	3	FC145P	1090	86	AP0211430
	1170	1.50	3	FC145P	1120	106	AP0211170
	950	1.84	3	FC145P	1165	130	AP0210950
	780	2.25	3	FC145P	1190	158	AP0210780
	640	2.76	3	FC145P	1155	193	AP0210640
	520	3.38	3	FC145P	1150	237	AP0210520
DOUBLE	420	4.13	3	FC145P	1220	288	AP0210420
	350	5.06	3	FC145P	1260	346	AP0210350
	280	6.20	3	FC145P	1370	432	AP0210280
	230	7.59	3	FC145P	1460	526	AP0210230
	190	9.30	3	FC145P	1550	637	AP0210190
	155	11.4	3	FC145P	1630	780	AP0210155
	125	14.0	3	FC145P	1760	968	AP0210125
	100	17.1	3	FC145P	1880	1210	AP0210100
	84	20.9	3	FC145P	1970	1440	AP0210084
TRIPLE	68	25.6	3	FC145P	1900	1779	AP0210068
	56	31.4	3	FC145P	1760	2115	AP0210056
	45	38.4	3	FC145P	1530	2632	AP0210045
	37	47.1	4	FC145P	2400	3201	AP0210037
	30	57.7	4	FC145P	2400	3948	AP0210030
	25	70.6	4	FC145P	2400	4738	AP0210025
	20	86.5	4	FC145P	2040	5922	AP0210020
	16.5	105.9	5	FC145P	3600	7178	AP0210016
	13.5	129.7	5	FC145P	3600	8773	AP0210013

CLASS II

	Output RPM	Ratio	Case Size	Motor Frame	Output OHL ⁽¹⁾	Output Torque (in.-lb.)	MODEL NUMBER
SINGLE	1430	1.22	3	FC145P	1040	86	AP0221430
	1170	1.50	3	FC145P	1065	106	AP0221170
	950	1.84	3	FC145P	1095	130	AP0220950
	780	2.25	3	FC145P	1125	158	AP0220780
	640	2.76	3	FC145P	1075	193	AP0220640
	520	3.38	3	FC145P	1140	237	AP0220520
DOUBLE	420	4.13	3	FC145P	1200	288	AP0220420
	350	5.06	3	FC145P	1260	346	AP0220350
	280	6.20	3	FC145P	1360	432	AP0220280
	230	7.59	3	FC145P	1440	526	AP0220230
	190	9.30	3	FC145P	1520	637	AP0220190
	155	11.4	3	FC145P	1610	780	AP0220155
	125	14.0	3	FC145P	1710	968	AP0220125
	100	17.1	3	FC145P	1820	1210	AP0220100
	84	20.9	3	FC145P	1780	1440	AP0220084
TRIPLE	68	25.6	3	FC145P	1570	1779	AP0220068
	56	31.4	4	FC145P	2400	2115	AP0220056
	45	38.4	4	FC145P	2400	2632	AP0220045
	37	47.1	4	FC145P	2400	3201	AP0220037
	30	57.7	4	FC145P	2040	3948	AP0220030
	25	70.6	5	FC145P	3600	4738	AP0220025
	20	86.5	5	FC145P	3600	5922	AP0220020
	16.5	105.9	5	FC145P	3600	7178	AP0220016
	13.5	129.7	6	FC145P	5500	8773	AP0220013

CLASS III

	Output RPM	Ratio	Case Size	Motor Frame	Output OHL ⁽¹⁾	Output Torque (in.-lb.)	MODEL NUMBER
SINGLE	1430	1.22	3	FC145P	965	86	AP0231430
	1170	1.50	3	FC145P	985	106	AP0231170
	950	1.84	3	FC145P	1005	130	AP0230950
	780	2.25	3	FC145P	1021	158	AP0230780
	640	2.76	3	FC145P	1018	193	AP0230640
	520	3.38	3	FC145P	1010	237	AP0230520
DOUBLE	420	4.13	3	FC145P	1200	288	AP0230420
	350	5.06	3	FC145P	1240	346	AP0230350
	280	6.20	3	FC145P	1330	432	AP0230280
	230	7.59	3	FC145P	1400	526	AP0230230
	190	9.30	3	FC145P	1480	637	AP0230190
	155	11.4	3	FC145P	1540	780	AP0230155
	125	14.0	3	FC145P	1640	968	AP0230125
	100	17.1	3	FC145P	1520	1210	AP0230100
	84	20.9	4	FC145P	2400	1440	AP0230084
TRIPLE	68	25.6	4	FC145P	2400	1779	AP0230068
	56	31.4	4	FC145P	2400	2115	AP0230056
	45	38.4	5	FC145P	3600	2632	AP0230045
	37	47.1	5	FC145P	3600	3201	AP0230037
	30	57.7	5	FC145P	3600	3948	AP0230030
	25	70.6	5	FC145P	3600	4738	AP0230025
	20	86.5	5	FC145P	3600	5922	AP0230020
	16.5	105.9	6	FC145P	5500	7178	AP0230016
	13.5	129.7	6	FC145P	5500	8773	AP0230013

NOTE:

All Motors Used On APG
Integral Gearmotors Are
Standard Efficient, TEFC
Continuous Duty, 40° C
Ambient, Design B, Class
F Insulation, 1.15 Service
Factor, 1750 RPM,
3-60-230/460 Volts

NOTE:

Integral Gearmotors Are
Not Available In Case Sizes
1 & 2

(1) At one shaft diameter from the shaft shoulder. Measured in lbs.

NOTE: 6 ft. lb. brake available. Brake coils are single phase, 60 Hz, 230/460 volts AC.

APG 3 HP Gearmotors

CLASS I (See selection procedure, page APG-4)

	Output RPM	Ratio	Case Size	Motor Frame	Output OHL ⁽¹⁾	Output Torque (in.-lb.)	MODEL NUMBER
SINGLE	1430	1.22	3	FE146P	1025	130	AP0311430
	1170	1.50	3	FE146P	1055	158	AP0311170
	950	1.84	3	FE146P	1080	195	AP0310950
	780	2.25	3	FE146P	1110	237	AP0310780
	640	2.76	3	FE146P	1050	289	AP0310640
	520	3.38	3	FE146P	1117	356	AP0310520
DOUBLE	420	4.13	3	FE146P	1200	432	AP0310420
	350	5.06	3	FE146P	1260	518	AP0310350
	280	6.20	3	FE146P	1350	648	AP0310280
	230	7.59	3	FE146P	1430	789	AP0310230
	190	9.30	3	FE146P	1520	955	AP0310190
	155	11.4	3	FE146P	1600	1171	AP0310155
	125	14.0	3	FE146P	1700	1452	AP0310125
	100	17.1	3	FE146P	1840	1814	AP0310100
	84	20.9	3	FE146P	1660	2160	AP0310084
TRIPLE	68	25.6	3	FE146P	1480	2668	AP0310068
	56	31.4	4	FE146P	2400	3173	AP0310056
	45	38.4	4	FE146P	2400	3948	AP0310045
	37	47.1	4	FE146P	2180	4802	AP0310037
	30	57.7	5	FE146P	3600	5922	AP0310030
	25	70.6	5	FE146P	3600	7106	AP0310025
	20	86.5	5	FE146P	3600	8883	AP0310020
	16.5	105.9	5	FE146P	3600	10,767	AP0310016
	13.5	129.7	6	FE146P	5500	13,160	AP0310013

CLASS II

	Output RPM	Ratio	Case Size	Motor Frame	Output OHL ⁽¹⁾	Output Torque (in.-lb.)	MODEL NUMBER
SINGLE	1430	1.22	3	FE146P	950	130	AP0321430
	1170	1.50	3	FE146P	975	158	AP0321170
	950	1.84	3	FE146P	990	195	AP0320950
	780	2.25	3	FE146P	1005	237	AP0320780
	640	2.76	3	FE146P	1030	289	AP0320640
	520	3.38	3	FE146P	900	356	AP0320520
DOUBLE	420	4.13	3	FE146P	1180	432	AP0320420
	350	5.06	3	FE146P	1240	518	AP0320350
	280	6.20	3	FE146P	1330	648	AP0320280
	230	7.59	3	FE146P	1400	789	AP0320230
	190	9.30	3	FE146P	1470	955	AP0320190
	155	11.4	3	FE146P	1520	1171	AP0320155
	125	14.0	3	FE146P	1620	1452	AP0320125
	100	17.1	3	FE146P	1460	1814	AP0320100
	84	20.9	4	FE146P	2350	2160	AP0320084
TRIPLE	68	25.6	4	FE146P	2400	2668	AP0320068
	56	31.4	4	FE146P	2400	3173	AP0320056
	45	38.4	5	FE146P	3600	3948	AP0320045
	37	47.1	5	FE146P	3600	4802	AP0320037
	30	57.7	5	FE146P	3600	5922	AP0320030
	25	70.6	5	FE146P	3600	7106	AP0320025
	20	86.5	6	FE146P	5500	8883	AP0320020
	16.5	105.9	6	FE146P	5550	10,767	AP0320016
	13.5	129.7	6	FE146P	5500	13,160	AP0320013

CLASS III

	Output RPM	Ratio	Case Size	Motor Frame	Output OHL ⁽¹⁾	Output Torque (in.-lb.)	MODEL NUMBER
SINGLE	1430	1.22	3	FE146P	855	130	AP0331430
	1170	1.50	3	FE146P	855	158	AP0331170
	950	1.84	3	FE146P	852	195	AP0330950
	780	2.25	3	FE146P	847	237	AP0330780
	640	2.76	4	FE146P	1090	289	AP0330640
	520	3.38	4	FE146P	1105	356	AP0330520
DOUBLE	420	4.13	3	FE146P	1160	432	AP0330420
	350	5.06	3	FE146P	1200	518	AP0330350
	280	6.20	3	FE146P	1280	648	AP0330280
	230	7.59	3	FE146P	1310	789	AP0330230
	190	9.30	3	FE146P	1370	955	AP0330190
	155	11.4	3	FE146P	1360	1171	AP0330155
	125	14.0	4	FE146P	2020	1452	AP0330125
	100	17.1	4	FE146P	1890	1814	AP0330100
	84	20.9	4	FE146P	2000	2160	AP0330084
TRIPLE	68	25.6	5	FE146P	3550	2668	AP0330068
	56	31.4	5	FE146P	3600	3173	AP0330056
	45	38.4	5	FE146P	3600	3948	AP0330045
	37	47.1	5	FE146P	3600	4802	AP0330037
	30	57.7	6	FE146P	5500	5922	AP0330030
	25	70.6	6	FE146P	5500	7106	AP0330025
	20	86.5	6	FE146P	5500	8883	AP0330020
	16.5	105.9	6	FE146P	5500	10,767	AP0330016
	13.5	129.7	7	184TY*	8730	13,160	AP0330013

NOTE:

All Motors Used On APG
Integral Gearmotors Are
Standard Efficient, TEFC
Continuous Duty, 40° C
Ambient, Design B, Class
F Insulation, 1.15 Service
Factor, 1750 RPM,
3-60-230/460 Volts

NOTE:

Integral Gearmotors Are
Not Available In Case Sizes
1 & 2

(1) At one shaft diameter from the shaft shoulder. Measured in lbs.

* Non-Stock special ordered motor

NOTE: 10 ft. lb. brake available. Brake coils are single phase, 60 Hz, 230/460 volts AC.

APG 5 HP Gearmotors

CLASS I (See selection procedure, page APG-4)

	Output RPM	Ratio	Case Size	Motor Frame	Output OHL ⁽¹⁾	Output Torque (in.-lb.)	MODEL NUMBER
SINGLE	1430	1.22	3	FE147P	915	216	AP0511430
	1170	1.50	3	FE147P	925	264	AP0511170
	950	1.84	3	FE147P	935	325	AP0510950
	780	2.25	3	FE147P	935	396	AP0510780
	640	2.76	3	FE147P	920	482	AP0510640
	520	3.38	4	FE147P	1113	594	AP0510520
DOUBLE	420	4.13	3	FE147P	1180	720	AP0510420
	350	5.06	3	FE147P	1220	864	AP0510350
	280	6.20	3	FE147P	1310	1080	AP0510280
	230	7.59	3	FE147P	1360	1315	AP0510230
	190	9.30	3	FE147P	1440	1592	AP0510190
	155	11.4	3	FE147P	1480	1951	AP0510155
	125	14.0	3	FE147P	1470	2419	AP0510125
	100	17.1	4	FE147P	2050	3024	AP0510100
	84	20.9	4	FE147P	2230	3600	AP0510084
TRIPLE	68	25.6	5	FE147P	3600	4447	AP0510068
	56	31.4	5	FE147P	3600	5288	AP0510056
	45	38.4	5	FE147P	3600	6580	AP0510045
	37	47.1	5	FE147P	3600	8003	AP0510037
	30	57.7	5	FE147P	3500	9,870	AP0510030
	25	70.6	6	FE147P	5500	11,844	AP0510025
	20	86.5	6	FE147P	5500	14,805	AP0510020
	16.5	105.9	6	FE147P	5500	17,945	AP0510016
	13.5	129.7	6	FE147P	5500	21,933	AP0510013

CLASS II

	Output RPM	Ratio	Case Size	Motor Frame	Output OHL ⁽¹⁾	Output Torque (in.-lb.)	MODEL NUMBER
SINGLE	1430	1.22	3	FE147P	780	216	AP0521430
	1170	1.50	3	FE147P	795	264	AP0521170
	950	1.84	3	FE147P	770	325	AP0520950
	780	2.25	3	FE147P	755	396	AP0520780
	640	2.76	4	FE147P	1083	482	AP0520640
	520	3.38	4	FE147P	1097	594	AP0520520
DOUBLE	420	4.13	3	FE147P	1160	720	AP0520420
	350	5.06	3	FE147P	1180	864	AP0520350
	280	6.20	3	FE147P	1240	1080	AP0520280
	230	7.59	3	FE147P	1270	1315	AP0520230
	190	9.30	3	FE147P	1320	1592	AP0520190
	155	11.4	3	FE147P	1250	1951	AP0520155
	125	14.0	4	FE147P	1900	2419	AP0520125
	100	17.1	4	FE147P	1650	3024	AP0520100
	84	20.9	4	FE147P	1660	3600	AP0520084
TRIPLE	68	25.6	5	FE147P	3450	4447	AP0520068
	56	31.4	5	FE147P	3600	5288	AP0520056
	45	38.4	5	FE147P	3600	6580	AP0520045
	37	47.1	6	FE147P	5500	8003	AP0520037
	30	57.7	6	FE147P	5500	9,870	AP0520030
	25	70.6	6	FE147P	5500	11,844	AP0520025
	20	86.5	6	FE147P	5500	14,805	AP0520020
	16.5	105.9	7	184TY*	8730	17,945	AP0520016
	13.5	129.7	7	184TY*	8730	21,933	AP0520013

CLASS III

	Output RPM	Ratio	Case Size	Motor Frame	Output OHL ⁽¹⁾	Output Torque (in.-lb.)	MODEL NUMBER
SINGLE	1430	1.22	3	FE147P	592	216	AP0531430
	1170	1.50	3	FE147P	558	264	AP0531170
	950	1.84	4	FE147P	1040	325	AP0530950
	780	2.25	4	FE147P	995	396	AP0530780
	640	2.76	4	FE147P	990	482	AP0530640
	520	3.38	5	FE147P	1200	594	AP0530520
DOUBLE	420	4.13	3	FE147P	1060	720	AP0530420
	350	5.06	3	FE147P	1080	864	AP0530350
	280	6.20	3	FE147P	1080	1080	AP0530280
	230	7.59	3	FE147P	1030	1315	AP0530230
	190	9.30	4	FE147P	1650	1592	AP0530190
	155	11.4	4	FE147P	1510	1951	AP0530155
	125	14.0	4	FE147P	1240	2419	AP0530125
	100	17.1	5	FE147P	2950	3024	AP0530100
	84	20.9	5	FE147P	3130	3600	AP0530084
TRIPLE	68	25.6	5	FE147P	3250	4447	AP0530068
	56	31.4	6	FE147P	4750	5288	AP0530056
	45	38.4	6	FE147P	5000	6580	AP0530045
	37	47.1	6	FE147P	5200	8003	AP0530037
	30	57.7	6	FE147P	5300	9,870	AP0530030
	25	70.6	7	184TY*	8650	11,844	AP0530025
	20	86.5	7	184TY*	8730	14,805	AP0530020
	16.5	105.9	7	184TY*	8730	17,945	AP0530016
	13.5	129.7	7	184TY*	8730	21,933	AP0530013

NOTE:

All Motors Used On APG
Integral Gearmotors Are
Standard Efficient, TEFC
Continuous Duty, 40° C
Ambient, Design B, Class
F Insulation, 1.15 Service
Factor, 1750 RPM,
3-60-230/460 Volts

NOTE:

Integral Gearmotors Are
Not Available In Case Sizes
1 & 2

(1) At one shaft diameter from the shaft shoulder. Measured in lbs.

* Non-Stock special ordered motor

NOTE: 15 ft. lb. brake available. Brake coils are single phase, 60 Hz, 230/460 volts AC.

APG 7-1/2 HP Gearmotors

CLASS I (See selection procedure, page APG-4)

	Output RPM	Ratio	Case Size	Motor Frame	Output OHL ⁽¹⁾	Output Torque (in.-lb.)	MODEL NUMBER
SINGLE	1430	1.22	3	184TY	770	324	AP0811430
	1170	1.50	3	184TY	760	396	AP0811170
	950	1.84	3	184TY	725	487	AP0810950
	780	2.25	4	184TY	1067	594	AP0810780
	640	2.76	4	184TY	1080	724	AP0810640
	520	3.38	4	184TY	1093	890	AP0810520
DOUBLE	420	4.13	3	184TY	1120	1080	AP0810420
	350	5.06	3	184TY	1160	1296	AP0810350
	280	6.20	3	184TY	1210	1620	AP0810280
	230	7.59	3	184TY	1220	1972	AP0810230
	190	9.30	3	184TY	1250	2387	AP0810190
	155	11.4	4	184TY	1840	2926	AP0810155
	125	14.0	4	184TY	1820	3629	AP0810125
	100	17.1	4	184TY	1490	4536	AP0810100
	84	20.9	5	184TY	3030	5400	AP0810084
TRIPLE	68	25.6	5	184TY	3400	6671	AP0810068
	56	31.4	5	184TY	3550	7931	AP0810056
	45	38.4	6	184TY	5250	9870	AP0810045
	37	47.1	6	184TY	5450	12,004	AP0810037
	30	57.7	6	184TY	5500	14,805	AP0810030
	25	70.6	6	184TY	5500	17,766	AP0810025
TRIPLE	20	86.5	7	184TY	8730	22,208	AP0810020
	16.5	105.9	7	184TY	8730	26,918	AP0810016
	13.5	129.7	7	184TY	8730	32,900	AP0810013

CLASS II

	Output RPM	Ratio	Case Size	Motor Frame	Output OHL ⁽¹⁾	Output Torque (in.-lb.)	MODEL NUMBER
SINGLE	1430	1.22	3	184TY	555	324	AP0821430
	1170	1.50	3	184TY	550	396	AP0821170
	950	1.84	4	184TY	1005	487	AP0820950
	780	2.25	4	184TY	945	594	AP0820780
	640	2.76	4	184TY	832	724	AP0820640
	520	3.38	5	184TY	1200	890	AP0820520
DOUBLE	420	4.13	3	184TY	1060	1080	AP0820420
	350	5.06	3	184TY	1080	1296	AP0820350
	280	6.20	3	184TY	1000	1620	AP0820280
	230	7.59	4	184TY	1600	1972	AP0820230
	190	9.30	4	184TY	1600	2387	AP0820190
	155	11.4	4	184TY	1420	2926	AP0820155
	125	14.0	4	184TY	1020	3629	AP0820125
	100	17.1	5	184TY	2950	4536	AP0820100
	84	20.9	5	184TY	3100	5400	AP0820084
TRIPLE	68	25.6	5	184TY	3200	6671	AP0820068
	56	31.4	6	184TY	5500	7931	AP0820056
	45	38.4	6	184TY	4950	9,870	AP0820045
	37	47.1	6	184TY	5100	12,004	AP0820037
	30	57.7	6	184TY	5200	14,805	AP0820030
	25	70.6	7	184TY	8550	17,766	AP0820025
TRIPLE	20	86.5	7	184TY	8730	22,208	AP0820020
	16.5	105.9	7	184TY	8730	26,918	AP0820016
	13.5	129.7	7	184TY	8730	32,900	AP0820013

CLASS III

	Output RPM	Ratio	Case Size	Motor Frame	Output OHL ⁽¹⁾	Output Torque (in.-lb.)	MODEL NUMBER
SINGLE	1430	1.22	4	184TY	785	324	AP0831430
	1170	1.50	4	184TY	710	396	AP0831170
	950	1.84	5	184TY	1135	487	AP0830950
	780	2.25	5	184TY	1153	594	AP0830780
	640	2.76	5	184TY	1170	724	AP0830640
	520	3.38	5	184TY	1190	890	AP0830520
DOUBLE	420	4.13	4	184TY	1200	1080	AP0830420
	350	5.06	4	184TY	1180	1296	AP0830350
	280	6.20	4	184TY	1270	1620	AP0830280
	230	7.59	4	184TY	1210	1972	AP0830230
	190	9.30	5	184TY	2400	2387	AP0830190
	155	11.4	5	184TY	2500	2926	AP0830155
	125	14.0	5	184TY	2550	3629	AP0830125
	100	17.1	5	184TY	2600	4536	AP0830100
	84	20.9	6	184TY	4000	5400	AP0830084
TRIPLE	68	25.6	6	184TY	4250	6671	AP0830068
	56	31.4	6	184TY	4400	7931	AP0830056
	45	38.4	7	184TY	7000	9,870	AP0830045
	37	47.1	7	184TY	7400	12,004	AP0830037
	30	57.7	7	184TY	7650	14,805	AP0830030
	25	70.6	7	184TY	7900	17,766	AP0830025
TRIPLE	20	86.5	8	184TY	12,000	22,208	AP0830020
	16.5	105.9	8	184TY	12,000	26,918	AP0830016
	13.5	129.7	8	184TY	12,000	32,900	AP0830013

NOTE:

All Motors Used On APG
Integral Gearmotors Are
Standard Efficient, TEFC
Continuous Duty, 40° C
Ambient, Design B, Class
F Insulation, 1.15 Service
Factor, 1750 RPM,
3-60-230/460 Volts

(1) At one shaft diameter from the shaft shoulder. Measured in lbs.

APG 10 HP Gearmotors

CLASS I (See selection procedure, page APG-4)

	Output RPM	Ratio	Case Size	Motor Frame	Output OHL ⁽¹⁾	Output Torque (in.-lb.)	MODEL NUMBER
SINGLE	1430	1.22	3	210TY	600	432	AP1011430
	1170	1.50	3	210TY	560	528	AP1011170
	950	1.84	4	210TY	1040	650	AP1010950
	780	2.25	4	210TY	995	792	AP1010780
	640	2.76	4	210TY	900	965	AP1010640
	520	3.38	5	210TY	1200	1187	AP1010520
DOUBLE	420	4.13	3	210TY	1070	1440	AP1010420
	350	5.06	3	210TY	1100	1728	AP1010350
	280	6.20	3	210TY	1060	2160	AP1010280
	230	7.59	3	210TY	980	2630	AP1010230
	190	9.30	4	210TY	1650	3183	AP1010190
	155	11.4	4	210TY	1510	3902	AP1010155
	125	14.0	4	210TY	1240	4838	AP1010125
	100	17.1	5	210TY	2950	6048	AP1010100
	84	20.9	5	210TY	3120	7200	AP1010084
TRIPLE	68	25.6	5	210TY	3250	8894	AP1010068
	56	31.4	6	210TY	4750	10,575	AP1010056
	45	38.4	6	210TY	5000	13,160	AP1010045
	37	47.1	6	210TY	5150	16,005	AP1010037
	30	57.7	6	210TY	5300	19,740	AP1010030
	25	70.6	7	210TY	8650	23,688	AP1010025
	20	86.5	7	210TY	8730	29,610	AP1010020
	16.5	105.9	7	210TY	8730	35,891	AP1010016
	13.5	129.7	7	210TY	8730	43,867	AP1010013

CLASS II

	Output RPM	Ratio	Case Size	Motor Frame	Output OHL ⁽¹⁾	Output Torque (in.-lb.)	MODEL NUMBER
SINGLE	1430	1.22	4	210TY	845	432	AP1021430
	1170	1.50	4	210TY	788	528	AP1021170
	950	1.84	4	210TY	700	650	AP1020950
	780	2.25	5	210TY	1155	792	AP1020780
	640	2.76	5	210TY	1173	965	AP1020640
	520	3.38	5	210TY	1190	1187	AP1020520
DOUBLE	420	4.13	4	210TY	1300	1440	AP1020420
	350	5.06	4	210TY	1300	1728	AP1020350
	280	6.20	4	210TY	1340	2160	AP1020280
	230	7.59	4	210TY	1340	2630	AP1020230
	190	9.30	4	210TY	1080	3183	AP1020190
	155	11.4	5	210TY	2550	3902	AP1020155
	125	14.0	5	210TY	2600	4838	AP1020125
	100	17.1	5	210TY	2700	6048	AP1020100
	84	20.9	5	210TY	2800	7200	AP1020084
TRIPLE	68	25.6	6	210TY	4300	8894	AP1020068
	56	31.4	6	210TY	4450	10,575	AP1020056
	45	38.4	6	210TY	4550	13,160	AP1020045
	37	47.1	7	210TY	7500	16,005	AP1020037
	30	57.7	7	210TY	7800	19,740	AP1020030
	25	70.6	7	210TY	8000	23,688	AP1020025
	20	86.5	7	210TY	8250	29,610	AP1020020
	16.5	105.9	8	210TY	12,000	35,891	AP1020016
	13.5	129.7	8	210TY	12,000	43,867	AP1020013

CLASS III

	Output RPM	Ratio	Case Size	Motor Frame	Output OHL ⁽¹⁾	Output Torque (in.-lb.)	MODEL NUMBER
SINGLE	1430	1.22	4	210TY	440	432	AP1031430
	1170	1.50	4	210TY	450	528	AP1031170
	950	1.84	5	210TY	1125	650	AP1030950
	780	2.25	5	210TY	1145	792	AP1030780
	640	2.76	5	210TY	1160	965	AP1030640
	520	3.38	6	210TY	2250	1187	AP1030520
DOUBLE	420	4.13	4	210TY	1000	1440	AP1030420
	350	5.06	4	210TY	900	1728	AP1030350
	280	6.20	4	210TY	600	2160	AP1030280
	230	7.59	5	210TY	2170	2630	AP1030230
	190	9.30	5	210TY	2200	3183	AP1030190
	155	11.4	5	210TY	2170	3902	AP1030155
	125	14.0	5	210TY	2100	4638	AP1030125
	100	17.1	6	210TY	3700	6048	AP1030100
	84	20.9	6	210TY	3750	7200	AP1030084
TRIPLE	68	25.6	6	210TY	3900	8894	AP1030068
	56	31.4	7	210TY	6400	10,575	AP1030056
	45	38.4	7	210TY	6700	13,160	AP1030045
	37	47.1	7	210TY	6900	16,005	AP1030037
	30	57.7	7	210TY	7000	19,740	AP1030030
	25	70.6	8	210TY	12,000	23,688	AP1030025
	20	86.5	8	210TY	12,000	29,610	AP1030020
	16.5	105.9	8	210TY	12,000	35,891	AP1030016
	13.5	129.7	8	210TY	12,000	43,867	AP1030013

(1) At one shaft diameter from the shaft shoulder. Measured in lbs.

NOTE:

All Motors Used On APG
Integral Gearmotors Are
Standard Efficient, TEFC
Continuous Duty, 40° C
Ambient, Design B, Class
F Insulation, 1.15 Service
Factor, 1750 RPM,
3-60-230/460 Volts

APG 15 HP Gearmotors

CLASS I (See selection procedure, page APG-4)

	Output RPM	Ratio	Case Size	Motor Frame	Output OHL ⁽¹⁾	Output Torque (in.-lb.)	MODEL NUMBER
SINGLE	1430	1.22	4	215TY	785	648	AP1511430
	1170	1.50	4	215TY	710	792	AP1511170
	950	1.84	4	215TY	595	975	AP1510950
	780	2.25	5	215TY	1153	1187	AP1510780
	640	2.76	5	215TY	1170	1447	AP1510640
	520	3.38	5	215TY	1190	1781	AP1510520
DOUBLE	420	4.13	4	215TY	1250	2160	AP1510420
	350	5.06	4	215TY	1260	2592	AP1510350
	280	6.20	4	215TY	1280	3240	AP1510280
	230	7.59	4	215TY	1200	3944	AP1510230
	190	9.30	4	215TY	840	4775	AP1510190
	155	11.4	5	215TY	2500	5853	AP1510155
	125	14.0	5	215TY	2550	7258	AP1510125
	100	17.1	5	215TY	2600	9072	AP1510100
	84	20.9	6	215TY	4000	10,800	AP1510084
TRIPLE	68	25.6	6	215TY	4250	13,341	AP1510068
	56	31.4	6	215TY	4400	15,863	AP1510056
	45	38.4	7	215TY	7050	19,740	AP1510045
	37	47.1	7	215TY	7400	24,008	AP1510037
	30	57.7	7	215TY	7700	29,610	AP1510030
	25	70.6	7	215TY	7900	35,532	AP1510025
	20	86.5	8	215TY	12,000	44,415	AP1510020
	16.5	105.9	8	215TY	12,000	53,836	AP1510016
	13.5	129.7	8	215TY	12,000	65,800	AP1510013

CLASS II

	Output RPM	Ratio	Case Size	Motor Frame	Output OHL ⁽¹⁾	Output Torque (in.-lb.)	MODEL NUMBER
SINGLE	1430	1.22	4	215TY	480	648	AP1521430
	1170	1.50	5	215TY	1102	792	AP1521170
	950	1.84	5	215TY	1125	975	AP1520950
	780	2.25	5	215TY	1143	1187	AP1520780
	640	2.76	5	215TY	1160	1447	AP1520640
	520	3.38	6	215TY	2245	1781	AP1520520
DOUBLE	420	4.13	4	215TY	950	2160	AP1520420
	350	5.06	5	215TY	2000	2592	AP1520350
	280	6.20	5	215TY	2050	3240	AP1520280
	230	7.59	5	215TY	2050	3944	AP1520230
	190	9.30	5	215TY	2050	4775	AP1520190
	155	11.4	5	215TY	2050	5853	AP1520155
	125	14.0	5	215TY	1900	7258	AP1520125
	100	17.1	6	215TY	3150	9072	AP1520100
	84	20.9	6	215TY	3700	10,800	AP1520084
TRIPLE	68	25.6	6	215TY	3750	13,341	AP1520068
	56	31.4	7	215TY	6400	15,863	AP1520056
	45	38.4	7	215TY	6600	19,740	AP1520045
	37	47.1	7	215TY	6750	24,008	AP1520037
	30	57.7	7	215TY	6900	29,610	AP1520030
	25	70.6	8	215TY	12,000	35,532	AP1520025
	20	86.5	8	215TY	12,000	44,415	AP1520020
	16.5	105.9	8	215TY	12,000	53,836	AP1520016

CLASS III

	Output RPM	Ratio	Case Size	Motor Frame	Output OHL ⁽¹⁾	Output Torque (in.-lb.)	MODEL NUMBER
SINGLE	1430	1.22	5	215TY	1060	648	AP1531430
	1170	1.50	5	215TY	1071	792	AP1531170
	950	1.84	5	215TY	1105	975	AP1530950
	780	2.25	6	215TY	2155	1187	AP1530780
	640	2.76	6	215TY	2185	1447	AP1530640
	520	3.38	6	215TY	2213	1781	AP1530520
DOUBLE	420	4.13	5	215TY	1800	2160	AP1530420
	350	5.06	5	215TY	1850	2592	AP1530350
	280	6.20	5	215TY	1750	3240	AP1530280
	230	7.59	5	215TY	1650	3944	AP1530230
	190	9.30	5	215TY	1300	4775	AP1530190
	155	11.4	6	215TY	3050	5853	AP1530155
	125	14.0	6	215TY	3150	7258	AP1530125
	100	17.1	6	215TY	3200	9072	AP1530100
	84	20.9	7	215TY	5450	10,800	AP1530084
TRIPLE	68	25.6	7	215TY	5650	13,341	AP1530068
	56	31.4	7	215TY	5750	15,863	AP1530056
	45	38.4	8	215TY	12,000	19,740	AP1530045
	37	47.1	8	215TY	12,000	24,008	AP1530037
	30	57.7	8	215TY	12,000	29,610	AP1530030
	25	70.6	8	215TY	12,000	35,532	AP1530025
	20	86.5	8	215TY	12,000	44,415	AP1530020

NOTE:

All Motors Used On APG
Integral Gearmotors Are
Standard Efficient, TEFC
Continuous Duty, 40° C
Ambient, Design B, Class
F Insulation, 1.15 Service
Factor, 1750 RPM,
3-60-230/460 Volts

(1) At one shaft diameter from the shaft shoulder. Measured in lbs.

APG 20 HP Gearmotors

CLASS I (See selection procedure, page APG-4)

	Output RPM	Ratio	Case Size	Motor Frame	Output OHL ⁽¹⁾	Output Torque (in.-lb.)	MODEL NUMBER
SINGLE	1430	1.22	4	256TY	441	863	AP2011430
	1170	1.50	4	256TY	450	1055	AP2011170
	950	1.84	5	256TY	1110	1300	AP2010950
	780	2.25	5	256TY	1145	1583	AP2010780
	640	2.76	5	256TY	1160	1929	AP2010640
	520	3.38	6	256TY	2250	2375	AP2010520
DOUBLE	420	4.13	4	256TY	1000	2880	AP2010420
	350	5.06	4	256TY	900	3456	AP2010350
	280	6.20	4	256TY	640	4320	AP2010280
	230	7.59	5	256TY	2200	5259	AP2010230
	190	9.30	5	256TY	2250	6366	AP2010190
	155	11.4	5	256TY	2200	7804	AP2010155
	125	14.0	5	256TY	2050	9,677	AP2010125
	100	17.1	6	256TY	3700	12,096	AP2010100
	84	20.9	6	256TY	3750	14,400	AP2010084
TRIPLE	68	25.6	6	256TY	3650	17,788	AP2010068
	56	31.4	7	256TY	6400	21,150	AP2010056
	45	38.4	7	256TY	6700	26,320	AP2010045
	37	47.1	7	256TY	6900	32,011	AP2010037
	30	57.7	7	256TY	7000	39,480	AP2010030
	25	70.6	8	256TY	12,000	47,376	AP2010025
	20	86.5	8	256TY	12,000	59,220	AP2010020
	16.5	105.9	8	256TY	12,000	71,782	AP2010016
	13.5	129.7	8	256TY	12,000	87,733	AP2010013

CLASS II

	Output RPM	Ratio	Case Size	Motor Frame	Output OHL ⁽¹⁾	Output Torque (in.-lb.)	MODEL NUMBER
SINGLE	1430	1.22	5	256TY	1066	863	AP2021430
	1170	1.50	5	256TY	1079	1055	AP2021170
	950	1.84	5	256TY	1110	1300	AP2020950
	780	2.25	6	256TY	2160	1583	AP2020780
	640	2.76	6	256TY	2190	1929	AP2020640
	520	3.38	6	256TY	2220	2375	AP2020520
DOUBLE	420	4.13	5	256TY	1850	2880	AP2020420
	350	5.06	5	256TY	1890	3456	AP2020350
	280	6.20	5	256TY	1800	4320	AP2020280
	230	7.59	5	256TY	1770	5259	AP2020230
	190	9.30	5	256TY	1500	6366	AP2020190
	155	11.4	6	256TY	3100	7804	AP2020155
	125	14.0	6	256TY	3200	9,677	AP2020125
	100	17.1	6	256TY	3300	12,096	AP2020100
	84	20.9	7	256TY	5550	14,400	AP2020084
TRIPLE	68	25.6	7	256TY	5750	17,788	AP2020068
	56	31.4	7	256TY	5900	21,150	AP2020056
	45	38.4	8	256TY	12,000	26,320	AP2020045
	37	47.1	8	256TY	12,000	32,011	AP2020037
	30	57.7	8	256TY	12,000	39,480	AP2020030
	25	70.6	8	256TY	12,000	47,376	AP2020025
	20	86.5	8	256TY	12,000	59,220	AP2020020

CLASS III

	Output RPM	Ratio	Case Size	Motor Frame	Output OHL ⁽¹⁾	Output Torque (in.-lb.)	MODEL NUMBER
SINGLE	1430	1.22	5	256TY	1015	863	AP2031430
	1170	1.50	6	256TY	2070	1055	AP2031170
	950	1.84	6	256TY	2103	1300	AP2030950
	780	2.25	6	256TY	2131	1583	AP2030780
	640	2.76	7	256TY	3451	1929	AP2030640
	520	3.38	7	256TY	3500	2375	AP2030520
DOUBLE	420	4.13	5	256TY	1720	2880	AP2030420
	350	5.06	6	256TY	2300	3456	AP2030350
	280	6.20	6	256TY	2950	4320	AP2030280
	230	7.59	6	256TY	2700	5259	AP2030230
	190	9.30	6	256TY	2750	6366	AP2030190
	155	11.4	6	256TY	2800	7804	AP2030155
	125	14.0	7	256TY	4750	9,677	AP2030125
	100	17.1	7	256TY	4950	12,096	AP2030100
	84	20.9	7	256TY	5050	14,400	AP2030084
TRIPLE	68	25.6	7	256TY	5100	17,788	AP2030068
	56	31.4	8	256TY	11,500	21,150	AP2030056
	45	38.4	8	256TY	11,500	26,320	AP2030045
	37	47.1	8	256TY	11,200	32,011	AP2030037
	30	57.7	8	256TY	10,500	39,480	AP2030030

(1) At one shaft diameter from the shaft shoulder. Measured in lbs.

NOTE:

All Motors Used On APG
Integral Gearmotors Are
Standard Efficient, TEFC
Continuous Duty, 40° C
Ambient, Design B, Class
F Insulation, 1.15 Service
Factor, 1750 RPM,
3-60-230/460 Volts

APG 25 HP Gearmotors

CLASS I (See selection procedure, page APG-4)

	Output RPM	Ratio	Case Size	Motor Frame	Output OHL ⁽¹⁾	Output Torque (in.-lb.)	MODEL NUMBER
SINGLE	1430	1.22	5	286TY	1075	1079	AP2511430
	1170	1.50	5	286TY	1090	1319	AP2511170
	950	1.84	5	286TY	1115	1625	AP2510950
	780	2.25	5	286TY	1135	1979	AP2510780
	640	2.76	6	286TY	2200	2412	AP2510640
	520	3.38	6	286TY	2230	2968	AP2510520
DOUBLE	420	4.13	5	286TY	1875	3600	AP2510420
	350	5.06	5	286TY	1900	4320	AP2510350
	280	6.20	5	286TY	1950	5400	AP2510280
	230	7.59	5	286TY	1950	6574	AP2510230
	190	9.30	5	286TY	1800	7958	AP2510190
	155	11.4	5	286TY	1600	9,755	AP2510155
	125	14.0	6	286TY	3300	12,096	AP2510125
	100	17.1	6	286TY	3450	15,120	AP2510100
	84	20.9	6	286TY	3500	18,000	AP2510084
TRIPLE	68	25.6	7	286TY	5900	22,235	AP2510068
	56	31.4	7	286TY	6100	26,438	AP2510056
	45	38.4	7	286TY	6300	32,900	AP2510045
	37	47.1	8	286TY	12,000	40,014	AP2510037
	30	57.7	8	286TY	12,000	49,350	AP2510030
	25	70.6	8	286TY	12,000	59,220	AP2510025
	20	86.5	8	286TY	12,000	74,025	AP2510020

CLASS II

	Output RPM	Ratio	Case Size	Motor Frame	Output OHL ⁽¹⁾	Output Torque (in.-lb.)	MODEL NUMBER
SINGLE	1430	1.22	5	286TY	1040	1079	AP2521430
	1170	1.50	5	286TY	1048	1319	AP2521170
	950	1.84	6	286TY	2114	1625	AP2520950
	780	2.25	6	286TY	2143	1979	AP2520780
	640	2.76	6	286TY	2170	2412	AP2520640
	520	3.38	7	286TY	3518	2968	AP2520520
DOUBLE	420	4.13	5	286TY	1750	3600	AP2520420
	350	5.06	5	286TY	1900	4320	AP2520350
	280	6.20	5	286TY	1450	5400	AP2520280
	230	7.59	5	286TY	1200	6574	AP2520230
	190	9.30	6	286TY	2850	7958	AP2520190
	155	11.4	6	286TY	2900	9,755	AP2520155
	125	14.0	6	286TY	2950	12,096	AP2520125
	100	17.1	7	286TY	5100	15,120	AP2520100
	84	20.9	7	286TY	5250	18,000	AP2520084
TRIPLE	68	25.6	7	286TY	5350	22,235	AP2520068
	56	31.4	8	286TY	12,000	26,438	AP2520056
	45	38.4	8	286TY	12,000	32,900	AP2520045
	37	47.1	8	286TY	12,000	40,014	AP2520037
	30	57.7	8	286TY	11,750	49,350	AP2520030
	25	70.6	8	286TY	11,100	59,220	AP2520025

CLASS III

	Output RPM	Ratio	Case Size	Motor Frame	Output OHL ⁽¹⁾	Output Torque (in.-lb.)	MODEL NUMBER
SINGLE	1430	1.22	6	286TY	2022	1079	AP2531430
	1170	1.50	6	286TY	2052	1319	AP2531170
	950	1.84	6	286TY	2080	1625	AP2530950
	780	2.25	7	286TY	3365	1979	AP2530780
	640	2.76	7	286TY	3420	2412	AP2530640
	520	3.38	7	286TY	3465	2968	AP2530520
DOUBLE	420	4.13	6	286TY	2300	3600	AP2530420
	350	5.06	6	286TY	2350	4320	AP2530350
	280	6.20	6	286TY	2450	5400	AP2530280
	230	7.59	6	286TY	2500	6574	AP2530230
	190	9.30	6	286TY	2600	7958	AP2530190
	155	11.4	7	286TY	4350	9,755	AP2530155
	125	14.0	7	286TY	4450	12,096	AP2530125
	100	17.1	7	286TY	4550	15,120	AP2530100
	84	20.9	7	286TY	4600	18,000	AP2530084
TRIPLE	68	25.6	8	286TY	10,750	22,235	AP2530068
	56	31.4	8	286TY	10,500	26,438	AP2530056
	45	38.4	8	286TY	10,000	32,900	AP2530045
	37	47.1	8	286TY	9250	40,014	AP2530037

(1) At one shaft diameter from the shaft shoulder. Measured in lbs.

NOTE:

All Motors Used On APG
Integral Gearmotors Are
Standard Efficient, TEFC
Continuous Duty, 40° C
Ambient, Design B, Class
F Insulation, 1.15 Service
Factor, 1750 RPM,
3-60-230/460 Volts

APG 30 HP Gearmotors

CLASS I (See selection procedure, page APG-4)

	Output RPM	Ratio	Case Size	Motor Frame	Output OHL ⁽¹⁾	Output Torque (in.-lb.)	MODEL NUMBER
SINGLE	1430	1.22	5	286TY	1060	1295	AP3011430
	1170	1.50	5	286TY	1070	1583	AP3011170
	950	1.84	5	286TY	1103	1950	AP3010950
	780	2.25	6	286TY	2155	2375	AP3010780
	640	2.76	6	286TY	2185	2894	AP3010640
	520	3.38	6	286TY	2213	3562	AP3010520
DOUBLE	420	4.13	5	286TY	1840	4320	AP3010420
	350	5.06	5	286TY	1900	5184	AP3010350
	280	6.20	5	286TY	1750	6480	AP3010280
	230	7.59	5	286TY	1650	7889	AP3010230
	190	9.30	5	286TY	1300	9549	AP3010190
	155	11.4	6	286TY	3050	11,706	AP3010155
	125	14.0	6	286TY	3150	14,515	AP3010125
	100	17.1	6	286TY	3200	18,144	AP3010100
	84	20.9	7	286TY	5500	21,600	AP3010084
TRIPLE	68	25.6	7	286TY	5650	26,682	AP3010068
	56	31.4	7	286TY	5800	31,725	AP3010056
	45	38.4	8	286TY	12,000	39,480	AP3010045
	37	47.1	8	286TY	12,000	48,016	AP3010037
	30	57.7	8	286TY	12,000	59,220	AP3010030
	25	70.6	8	286TY	12,000	71,064	AP3010025

CLASS II

	Output RPM	Ratio	Case Size	Motor Frame	Output OHL ⁽¹⁾	Output Torque (in.-lb.)	MODEL NUMBER
SINGLE	1430	1.22	6	286TY	2037	1295	AP3021430
	1170	1.50	6	286TY	2067	1583	AP3021170
	950	1.84	6	286TY	2098	1950	AP3020950
	780	2.25	6	286TY	2156	2375	AP3020780
	640	2.76	7	286TY	3445	2894	AP3020640
	520	3.38	7	286TY	3492	3562	AP3020520
DOUBLE	420	4.13	6	286TY	2380	4320	AP3020420
	350	5.06	6	286TY	2450	5184	AP3020350
	280	6.20	6	286TY	2600	6480	AP3020280
	230	7.59	6	286TY	2650	7889	AP3020230
	190	9.30	6	286TY	2700	9549	AP3020190
	155	11.4	6	286TY	2750	11,706	AP3020155
	125	14.0	7	286TY	4450	14,515	AP3020125
	100	17.1	7	286TY	4850	18,144	AP3020100
	84	20.9	7	286TY	4900	21,600	AP3020084
TRIPLE	68	25.6	7	286TY	4950	26,682	AP3020068
	56	31.4	8	286TY	11,300	31,725	AP3020056
	45	38.4	8	286TY	11,200	39,480	AP3020045
	37	47.1	8	286TY	10,800	48,016	AP3020037
	30	57.7	8	286TY	10,000	59,220	AP3020030

CLASS III

	Output RPM	Ratio	Case Size	Motor Frame	Output OHL ⁽¹⁾	Output Torque (in.-lb.)	MODEL NUMBER
SINGLE	1430	1.22	6	286TY	1920	1295	AP3031430
	1170	1.50	6	286TY	1954	1583	AP3031170
	950	1.84	7	286TY	3199	1950	AP3030950
	780	2.25	7	286TY	3258	2375	AP3030780
	640	2.76	7	286TY	3298	2894	AP3030640
	520	3.38	7	286TY	3318	3562	AP3030520
DOUBLE	420	4.13	6	286TY	2170	4320	AP3030420
	350	5.06	6	286TY	2200	5184	AP3030350
	280	6.20	6	286TY	2300	6480	AP3030280
	230	7.59	6	286TY	2350	7889	AP3030230
	190	9.30	7	286TY	3950	9549	AP3030190
	155	11.4	7	286TY	4100	11,706	AP3030155
	125	14.0	7	286TY	4200	14,515	AP3030125
	100	17.1	7	286TY	4200	18,144	AP3030100
TPL	84	20.9	8	286TY	10,000	21,600	AP3030084
	56	31.4	8	286TY	9300	31,725	AP3030056
	45	38.4	8	286TY	8300	39,480	AP3030045

(1) At one shaft diameter from the shaft shoulder. Measured in lbs.

NOTE:

All Motors Used On APG
Integral Gearmotors Are
Standard Efficient, TEFC
Continuous Duty, 40° C
Ambient, Design B, Class
F Insulation, 1.15 Service
Factor, 1750 RPM,
3-60-230/460 Volts

APG 40 HP Gearmotors

CLASS I (See selection procedure, page APG-4)

	Output RPM	Ratio	Case Size	Motor Frame	Output OHL (1)	Output Torque (in.lb.)	MODEL NUMBER
SINGLE	1430	1.22	6	326TY	2040	1727	AP4011430
	1170	1.50	6	326TY	2070	2111	AP4011170
	950	1.84	6	326TY	2103	2600	AP4010950
	780	2.25	6	326TY	2131	3166	AP4010780
	640	2.76	7	326TY	3452	3859	AP4010640
	520	3.38	7	326TY	3500	4749	AP4010520
DOUBLE	420	4.13	6	326TY	2400	5760	AP4010420
	350	5.06	6	326TY	2480	6912	AP4010350
	280	6.20	6	326TY	2600	8640	AP4010280
	230	7.59	6	326TY	2700	10,518	AP4010230
	190	9.30	6	326TY	2750	12,733	AP4010190
	155	11.4	6	326TY	2800	15,608	AP4010155
	125	14.0	7	326TY	4750	19,354	AP4010125
	100	17.1	7	326TY	4950	24,192	AP4010100
	84	20.9	7	326TY	5050	28,800	AP4010084
TRIPLE	68	25.6	7	326TY	5100	35,576	AP4010068
	56	31.4	8	326TY	11,900	42,300	AP4010056
	45	38.4	8	326TY	12,000	52,640	AP4010045
	37	47.1	8	326TY	12,000	64,022	AP4010037
	30	57.7	8	326TY	12,000	78,960	AP4010030

CLASS II

	Output RPM	Ratio	Case Size	Motor Frame	Output OHL (1)	Output Torque (in.lb.)	MODEL NUMBER
SINGLE	1430	1.22	6	326TY	1960	1727	AP4021430
	1170	1.50	6	326TY	1997	2111	AP4021170
	950	1.84	7	326TY	3239	2600	AP4020950
	780	2.25	7	326TY	3301	3166	AP4020780
	640	2.76	7	326TY	3347	3859	AP4020640
	520	3.38	7	326TY	3378	4749	AP4020520
DOUBLE	420	4.13	6	326TY	2250	5760	AP4020420
	350	5.06	6	326TY	2270	6912	AP4020350
	280	6.20	6	326TY	2350	8640	AP4020280
	230	7.59	6	326TY	2400	10,518	AP4020230
	190	9.30	7	326TY	4050	12,733	AP4020190
	155	11.4	7	326TY	4200	15,608	AP4020155
	125	14.0	7	326TY	4300	19,354	AP4020125
	100	17.1	7	326TY	4350	24,192	AP4020100
	84	20.9	7	326TY	4300	28,800	AP4020084
TPL	68	25.6	8	326TY	10,300	35,576	AP4020068
	56	31.4	8	326TY	9800	42,300	AP4020056
	45	38.4	8	326TY	9000	52,640	AP4020045

CLASS III

	Output RPM	Ratio	Case Size	Motor Frame	Output OHL (1)	Output Torque (in.lb.)	MODEL NUMBER
SINGLE	1430	1.22	7	326TY	2873	1727	AP4031430
	1170	1.50	7	326TY	2935	2111	AP4031170
	950	1.84	7	326TY	2993	2600	AP4030950
	780	2.25	7	326TY	3042	3166	AP4030780
	640	2.76	7	326TY	3050	3859	AP4030640
	520	3.38	8	326TY	4381	4749	AP4030520
DOUBLE	420	4.13	7	326TY	3160	5760	AP4030420
	350	5.06	7	326TY	3300	6912	AP4030350
	280	6.20	7	326TY	3500	8640	AP4030280
	230	7.59	7	326TY	3550	10,518	AP4030230
	190	9.30	7	326TY	3550	12,733	AP4030190
	155	11.4	7	326TY	3600	15,608	AP4030155
	125	14.0	7	326TY	3600	19,354	AP4030125
	100	17.1	8	326TY	9000	24,192	AP4030100
	84	20.9	8	326TY	8750	28,800	AP4030084

(1) At one shaft diameter from the shaft shoulder. Measured in lbs.

NOTE:

All Motors Used On APG
Integral Gearmotors Are
Standard Efficient, TEFC
Continuous Duty, 40° C
Ambient, Design B, Class
F Insulation, 1.15 Service
Factor, 1750 RPM,
3-60-230/460 Volts

APG 50 HP Gearmotors

CLASS I (See selection procedure, page APG-4)

	Output RPM	Ratio	Case Size	Motor Frame	Output OHL ⁽¹⁾	Output Torque (in.-lb.)	MODEL NUMBER
SINGLE	1430	1.22	7	326TY	3170	2159	AP5011430
	1170	1.50	7	326TY	3220	2638	AP5011170
	950	1.84	7	326TY	3300	3249	AP5010950
	780	2.25	7	326TY	3365	3958	AP5010780
	640	2.76	7	326TY	3421	4823	AP5010640
	520	3.38	7	326TY	3465	5937	AP5010520
	420	4.13	7	326TY	3550	7350	AP5010420
DOUBLE	350	5.06	7	326TY	3650	8640	AP5010350
	280	6.20	7	326TY	3825	10,800	AP5010280
	230	7.59	7	326TY	4050	13,148	AP5010230
	190	9.30	7	326TY	4200	15,916	AP5010190
	155	11.4	7	326TY	4300	19,510	AP5010155
	125	14.0	7	326TY	4500	24,192	AP5010125
	100	17.1	7	326TY	4550	30,240	AP5010100
	84	20.9	7	326TY	4600	36,000	AP5010084
	68	25.6	8	326TY	11,750	44,471	AP5010068
TPL	56	31.4	8	326TY	11,800	52,875	AP5010056
	45	38.4	8	326TY	12,000	65,800	AP5010045

CLASS II

	Output RPM	Ratio	Case Size	Motor Frame	Output OHL ⁽¹⁾	Output Torque (in.-lb.)	MODEL NUMBER
SINGLE	1430	1.22	7	326TY	3000	2159	AP5021430
	1170	1.50	7	326TY	3035	2638	AP5021170
	950	1.84	7	326TY	3097	3249	AP5020950
	780	2.25	7	326TY	2150	3958	AP5020780
	640	2.76	7	326TY	3173	4823	AP5020640
	520	3.38	8	326TY	4407	5937	AP5020520
	420	4.13	7	326TY	3350	7200	AP5020420
DOUBLE	350	5.06	7	326TY	3500	8640	AP5020350
	280	6.20	7	326TY	3650	10,800	AP5020280
	230	7.59	7	326TY	3700	13,148	AP5020230
	190	9.30	7	326TY	3750	15,916	AP5020190
	155	11.4	7	326TY	3850	19,510	AP5020155
	125	14.0	7	326TY	3900	24,192	AP5020125
	100	17.1	8	326TY	9650	30,240	AP5020100
	84	20.9	8	326TY	9500	36,000	AP5020084
	68	25.6	8	326TY	8900	44,471	AP5020068

CLASS III

	Output RPM	Ratio	Case Size	Motor Frame	Output OHL ⁽¹⁾	Output Torque (in.-lb.)	MODEL NUMBER
SINGLE	1430	1.22	7	326TY	2652	2159	AP5031430
	1170	1.50	7	326TY	2722	2638	AP5031170
	950	1.84	7	326TY	2825	3249	AP5030950
	780	2.25	8	326TY	4229	3958	AP5030780
	640	2.76	8	326TY	4282	4823	AP5030640
	520	3.38	8	326TY	4290	5937	AP5030520
DOUBLE	420	4.13	7	326TY	3050	7200	AP5030420
	350	5.06	7	326TY	3100	8,640	AP5030350
	280	6.20	7	326TY	3450	10,800	AP5030280
	230	7.59	7	326TY	3200	13,148	AP5030230
	190	9.30	7	326TY	3100	15,916	AP5030190
	155	11.4	8	326TY	8600	19,510	AP5030155
	125	14.0	8	326TY	8300	24,192	AP5030125
	100	17.1	8	326TY	7750	30,240	AP5030100
	84	20.9	8	326TY	7200	36,000	AP5030084

NOTE:

All Motors Used On APG
Integral Gearmotors Are
Standard Efficient, TEFC
Continuous Duty, 40° C
Ambient, Design B, Class
F Insulation, 1.15 Service
Factor, 1750 RPM,
3-60-230/460 Volts

(1) At one shaft diameter from the shaft shoulder. Measured in lbs.

APG 60 HP Gearmotors

CLASS I (See selection procedure, page APG-4)

	Output RPM	Ratio	Case Size	Motor Frame	Output OHL (1)	Output Torque (in.lb.)	MODEL NUMBER
SINGLE	1430	1.22	7	365TY	3070	2590	AP6011430
	1170	1.50	7	365TY	3150	3166	AP6011170
	950	1.84	7	365TY	3199	3899	AP6010950
	780	2.25	7	365TY	3258	4749	AP6010780
	640	2.76	7	365TY	3298	5788	AP6010640
	520	3.38	7	365TY	3318	7124	AP6010520
DOUBLE	420	4.13	7	365TY	3450	8640	AP6010420
	350	5.06	7	365TY	3600	10,368	AP6010350
	280	6.20	7	365TY	3750	12,960	AP6010280
	230	7.59	7	365TY	3900	15,777	AP6010230
	190	9.30	7	365TY	4000	19,099	AP6010190
	155	11.4	7	365TY	4100	23,412	AP6010155
	125	14.0	7	365TY	4200	29,030	AP6010125
	100	17.1	7	365TY	4200	36,288	AP6010100
	84	20.9	8	365TY	10,000	43,200	AP6010084
	68	25.6	8	365TY	10,000	53,365	AP6010068

CLASS II

	Output RPM	Ratio	Case Size	Motor Frame	Output OHL (1)	Output Torque (in.lb.)	MODEL NUMBER
SINGLE	1430	1.22	7	365TY	2830	2590	AP6021430
	1170	1.50	7	365TY	2895	3166	AP6021170
	950	1.84	7	365TY	2950	3899	AP6020950
	780	2.25	7	365TY	2998	4749	AP6020780
	640	2.76	8	365TY	4314	5788	AP6020640
	520	3.38	8	365TY	4370	7124	AP6020520
DOUBLE	420	4.13	7	365TY	3150	8640	AP6020420
	350	5.06	7	365TY	3290	10,368	AP6020350
	280	6.20	7	365TY	3400	12,960	AP6020280
	230	7.59	7	365TY	3500	15,777	AP6020230
	190	9.30	7	365TY	3450	19,099	AP6020190
	155	11.4	7	365TY	3450	23,412	AP6020155
	125	14.0	8	365TY	9250	29,030	AP6020125
	100	17.1	8	365TY	8800	36,288	AP6020100
	84	20.9	8	365TY	8500	43,200	AP6020084
	68	25.6	8	365TY	7500	53,365	AP6020068

NOTE:

All Motors Used On APG
Integral Gearmotors Are
Standard Efficient, TEFC
Continuous Duty, 40° C
Ambient, Design B, Class
F Insulation, 1.15 Service
Factor, 1750 RPM,
3-60-230/460 Volts

CLASS III

	Output RPM	Ratio	Case Size	Motor Frame	Output OHL (1)	Output Torque (in.lb.)	MODEL NUMBER
SINGLE	1430	1.22	7	365TY	2405	2590	AP6031430
	1170	1.50	7	365TY	2493	3166	AP6031170
	950	1.84	8	365TY	4024	3899	AP6030950
	780	2.25	8	365TY	4031	4749	AP6030780
	640	2.76	8	365TY	3980	5788	AP6030640
	520	3.38	8	365TY	3962	7124	AP6030520
DOUBLE	420	4.13	7	365TY	2850	8640	AP6030420
	350	5.06	7	365TY	2870	10,368	AP6030350
	280	6.20	7	365TY	2950	12,960	AP6030280
	230	7.59	7	365TY	2850	15,777	AP6030230
	190	9.30	8	365TY	8300	19,099	AP6030190
	155	11.4	8	365TY	7900	23,412	AP6030155
	125	14.0	8	365TY	7250	29,030	AP6030125
	100	17.1	8	365TY	6400	36,288	AP6030100

(1) At one shaft diameter from the shaft shoulder. Measured in lbs.

APG 75 HP Gearmotors*

CLASS I (See selection procedure, page APG-4)

	Output RPM	Ratio	Case Size	Motor Frame	Output OHL ⁽¹⁾	Output Torque (in.-lb.)	MODEL NUMBER
SINGLE	1170	1.50	7	365TY	2985	3958	AP7511170
	950	1.84	7	365TY	3045	4874	AP7510950
	780	2.25	7	365TY	3095	5937	AP7510780
	640	2.76	7	365TY	3111	7235	AP7510640
	520	3.38	8	365TY	4394	8905	AP7510520
	420	4.13	8	365TY	4800	11,025	AP7510420
	350	5.06	8	365TY	4350	13,235	AP7510350
DOUBLE	230	7.59	7	365TY	3650	19,722	AP7510230
	190	9.30	7	365TY	3700	23,874	AP7510190
	155	11.4	7	365TY	3700	29,265	AP7510155
	125	14.0	7	365TY	3750	36,288	AP7510125
	100	17.1	8	365TY	9300	45,360	AP7510100
	84	20.9	8	365TY	9100	54,000	AP7510084
	68	25.6	8	365TY	8500	66,706	AP7510068

CLASS II

	Output RPM	Ratio	Case Size	Motor Frame	Output OHL ⁽¹⁾	Output Torque (in.-lb.)	MODEL NUMBER
SINGLE	1170	1.50	7	365TY	2667	3958	AP7521170
	950	1.84	7	365TY	2720	4874	AP7520950
	780	2.25	8	365TY	4220	5937	AP7520780
	640	2.76	8	365TY	4210	7235	AP7520640
	520	3.38	8	365TY	4210	8905	AP7520520
	420	4.13	8	365TY	4300	11,025	AP7520420
	230	7.59	7	365TY	3100	19,722	AP7520230
DOUBLE	190	9.30	7	365TY	3000	23,874	AP7520190
	155	11.4	8	365TY	8450	29,265	AP7520155
	125	14.0	8	365TY	8300	36,288	AP7520125
	100	17.1	8	365TY	7400	45,360	AP7520100
	84	20.9	8	365TY	6800	54,000	AP7520084

CLASS III

	Output RPM	Ratio	Case Size	Motor Frame	Output OHL ⁽¹⁾	Output Torque (in.-lb.)	MODEL NUMBER
SINGLE	1170	1.50	8	365TY	3635	3958	AP7531170
	950	1.84	8	365TY	3606	4874	AP7530950
	780	2.25	8	365TY	3750	5937	AP7530780
	640	2.76	8	365TY	4150	7235	AP7530640
DOUBLE	230	7.59	8	365TY	7700	19,722	AP7530230
	190	9.30	8	365TY	7400	23,874	AP7530190
	155	11.4	8	365TY	6570	29,265	AP7530155
	125	14.0	8	365TY	6000	36,288	AP7530125

NOTE:

All Motors Used On APG Integral Gearmotors Are Standard Efficient, TEFC Continuous Duty, 40° C Ambient, Design B, Class F Insulation, 1.15 Service Factor, 1750 RPM, 3-60-230/460 Volts

(1) At one shaft diameter from the shaft shoulder. Measured in lbs.

* Motors on this page are non-stock

APG Reducers - Size 1

DOUBLE REDUCTION - C-FACE AND SEPARATES

Nominal Ratio	Exact Ratio	RATING DATA	RPM INPUT				FRAME SIZE	MODEL NUMBER		
								C-FACE		SEPARATE
			1750	1430	1170	870		CLAMP COLLAR	3-PIECE COUPLED	
2.76	2.85	Output RPM	615	502	411	306				R86200
		Output Torque (in.lb.) (Max.)	463	495	530	585	56C	M85900	C85900	
		Output HP (Max.)	4.52	3.95	3.45	2.83	140TC	M85901	C85901	
		Input HP (Max.)	4.70	4.11	3.60	2.95	180TC	-	C85937	
3.38	3.53	Output RPM	495	405	331	246				R86201
		Output Torque (in.lb.) (Max.)	522	558	597	659	56C	M85902	C85902	
		Output HP (Max.)	4.10	3.59	3.14	2.57	140TC	M85903	C85903	
		Input HP (Max.)	4.27	3.73	3.27	2.68	180TC	-	C85938	
4.13	4.18	Output RPM	418	342	280	208				R86202
		Output Torque (in.lb.) (Max.)	568	608	650	717	56C	M85904	C85904	
		Output HP (Max.)	3.77	3.30	2.88	2.37	140TC	M85905	C85905	
		Input HP (Max.)	3.93	3.43	3.00	2.47	180TC	-	C85939	
5.06	5.02	Output RPM	348	285	233	173				R86203
		Output Torque (in.lb.) (Max.)	622	665	712	785	56C	M85906	C85906	
		Output HP (Max.)	3.44	3.01	2.63	2.16	140TC	M85907	C85907	
		Input HP (Max.)	3.58	3.13	2.74	2.25	180TC	-	C85940	
6.20	6.24	Output RPM	281	229	188	140				R86204
		Output Torque (in.lb.) (Max.)	677	725	775	855	56C	M85908	C85908	
		Output HP (Max.)	3.02	2.64	2.31	1.89	140TC	M85909	C85909	
		Input HP (Max.)	3.14	2.75	2.40	1.97	180TC	-	C85941	
7.59	7.38	Output RPM	237	194	159	118				R86205
		Output Torque (in.lb.) (Max.)	721	771	824	910	56C	M85910	C85910	
		Output HP (Max.)	2.71	2.37	2.07	1.70	140TC	M85911	C85911	
		Input HP (Max.)	2.82	2.47	2.16	1.77				
9.30	9.37	Output RPM	187	153	125	92.8				R86206
		Output Torque (in.lb.) (Max.)	784	839	897	990	56C	M85912	C85912	
		Output HP (Max.)	2.32	2.03	1.78	1.46	140TC	M85913	C85913	
		Input HP (Max.)	2.42	2.11	1.85	1.52				
11.4	11.35	Output RPM	154	126	103	76.6				R86207
		Output Torque (in.lb.) (Max.)	827	885	946	1044	56C	M85914	C85914	
		Output HP (Max.)	2.02	1.77	1.55	1.27	140TC	M85915	C85915	
		Input HP (Max.)	2.11	1.84	1.61	1.32				
14.0	13.56	Output RPM	129	105	86.3	64.2				R86208
		Output Torque (in.lb.) (Max.)	878	940	1005	1109	56C	M85916	C85916	
		Output HP (Max.)	1.80	1.57	1.38	1.13	140TC	M85917	C85917	
		Input HP (Max.)	1.87	1.64	1.43	1.18				
17.1	16.49	Output RPM	106	86.7	70.9	52.8				R86209
		Output Torque (in.lb.) (Max.)	938	1003	1073	1166	56C	M85918	C85918	
		Output HP (Max.)	1.58	1.38	1.21	0.976	140TC	M85919	C85919	
		Input HP (Max.)	1.64	1.44	1.26	1.02				
20.9	20.6	Output RPM	84.9	69.4	56.8	42.2				R86210
		Output Torque (in.lb.) (Max.)	1010	1080	1155	1179	56C	M85920	C85920	
		Output HP (Max.)	1.36	1.19	1.04	0.790	140TC	M85921	C85921	
		Input HP (Max.)	1.42	1.24	1.08	0.822				
25.6	24.4	Output RPM	71.7	58.6	48.0	35.7				R86211
		Output Torque (in.lb.) (Max.)	1068	1143	1187	1187	56C	M85922	C85922	
		Output HP (Max.)	1.22	1.06	0.903	0.671	140TC	M85923	C85923	
		Input HP (Max.)	1.27	1.11	0.94	0.699				
31.4	29.58	Output RPM	59.2	48.4	39.6	29.4				R86212
		Output Torque (in.lb.) (Max.)	1138	1194	1194	1194	56C	M85924	C85924	
		Output HP (Max.)	1.07	0.916	0.750	0.557	140TC	M85925	C85925	
		Input HP (Max.)	1.11	0.954	0.780	0.580				

APG Reducers - Size 1

TRIPLE REDUCTION - C-FACE AND SEPARATES

Nominal Ratio	Exact Ratio	RATING DATA	RPM INPUT				FRAME SIZE	MODEL NUMBER		
								C-FACE		SEPARATE
			1750	1430	1170	870		CLAMP COLLAR	3-PIECE COUPLED	
38.4	37.41	Output RPM	46.8	38.2	31.3	23.3	56C	M85927	C85927	R86214
		Output Torque (in.lb.) (Max.)	1187	1187	1187	1187	140TC	M85943	C85943	
		Output HP (Max.)	0.881	0.720	0.589	0.438				
		Input HP (Max.)	0.936	0.765	0.626	0.465				
47.1	44.28	Output RPM	39.5	32.3	26.4	19.6	56C	M85928	C85928	R86215
		Output Torque (in.lb.) (Max.)	1187	1187	1187	1187	140TC	M85944	C85944	
		Output HP (Max.)	0.744	0.608	0.497	0.370				
		Input HP (Max.)	0.791	0.646	0.529	0.393				
57.7	56.23	Output RPM	31.1	25.4	20.8	15.5	56C	M85929	C85929	R86216
		Output Torque (in.lb.) (Max.)	1187	1187	1187	1187	140TC	*	*	
		Output HP (Max.)	0.586	0.479	0.392	0.291				
		Input HP (Max.)	0.623	0.509	0.416	0.310				
70.6	68.12	Output RPM	25.7	21.0	17.2	12.8	56C	M85930	C85930	R86217
		Output Torque (in.lb.) (Max.)	1187	1187	1187	1187	140TC	*	*	
		Output HP (Max.)	0.484	0.395	0.323	0.240				
		Input HP (Max.)	0.514	0.420	0.344	0.255				
86.5	81.33	Output RPM	21.5	17.6	14.4	10.7	56C	M85931	C85931	R86218
		Output Torque (in.lb.) (Max.)	1187	1187	1187	1187	140TC	*	*	
		Output HP (Max.)	0.405	0.331	0.271	0.201				
		Input HP (Max.)	0.430	0.352	0.288	0.214				
105.9	98.96	Output RPM	17.7	14.5	11.8	8.79	56C	M85932	C85932	R86219
		Output Torque (in.lb.) (Max.)	1187	1187	1187	1187	140TC	*	*	
		Output HP (Max.)	0.333	0.272	0.223	0.166				
		Input HP (Max.)	0.354	0.289	0.237	0.176				
129.7	123.6	Output RPM	14.2	11.6	9.46	7.04	56C	M85933	C85933	R86220
		Output Torque (in.lb.) (Max.)	1187	1187	1187	1187	140TC	*	*	
		Output HP (Max.)	0.267	0.218	0.178	0.132				
		Input HP (Max.)	0.283	0.231	0.189	0.141				
159	146.4	Output RPM	12.0	9.77	7.99	5.94	56C	M85934	C85934	R86221
		Output Torque (in.lb.) (Max.)	1187	1187	1187	1187	140TC	*	*	
		Output HP (Max.)	0.225	0.184	0.150	0.112				
		Input HP (Max.)	0.239	0.195	0.160	0.119				
195	177.5	Output RPM	9.86	8.06	6.59	4.90	56C	M85935	C85935	R86222
		Output Torque (in.lb.) (Max.)	1187	1187	1187	1187	140TC	*	*	
		Output HP (Max.)	0.186	0.152	0.124	0.092				
		Input HP (Max.)	0.197	0.161	0.132	0.098				
238	215.1	Output RPM	8.14	6.65	5.44	4.04	56C	M85936	C85936	R86223
		Output Torque (in.lb.) (Max.)	1194	1194	1194	1194	140TC	*	*	
		Output HP (Max.)	0.154	0.126	0.103	0.077				
		Input HP (Max.)	0.164	0.134	0.11	0.081				

* Made to Order

APG Size 1 Output Shaft Overhung Load Ratings

Class I		S.F. 1.0			1750 RPM		
	NOMINAL RATIO	1/3 HP	1/2 HP	3/4 HP	1 HP	1- 1/2 HP	2 HP
		OHL RATING	OHL RATING	OHL RATING	OHL RATING	OHL RATING	OHL RATING
DOUBLE	2.76	461	459	455	452	417	363
	3.37	495	492	488	484	421	354
	4.13	523	519	514	499	420	341
	5.06	555	552	547	532	449	365
	6.20	596	591	585	544	441	337
	7.59	630	624	611	550	427	305
	9.30	676	673	627	549	394	238
	11.40	683	680	635	541	352	163
	14.00	688	685	635	523	298	-
	17.10	693	689	628	492	218	-
	20.90	697	691	606	435	-	-
	25.60	699	692	577	374	-	-
	31.40	700	692	526	280	-	-
TRIPLE	38.40	701	690	453	-	-	-
	47.10	700	687	364	-	-	-
	57.70	697	649	-	-	-	-
	70.60	693	558	-	-	-	-
	86.50	687	-	-	-	-	-
	106	678	-	-	-	-	-
	130	-	-	-	-	-	-
	159	-	-	-	-	-	-
	195	-	-	-	-	-	-
	238	-	-	-	-	-	-

Class II		S.F. 1.4			1750 RPM		
	NOMINAL RATIO	1/3 HP	1/2 HP	3/4 HP	1 HP	1- 1/2 HP	2 HP
		OHL RATING	OHL RATING	OHL RATING	OHL RATING	OHL RATING	OHL RATING
DOUBLE	2.76	459	456	451	427	352	277
	3.37	493	489	481	435	340	247
	4.13	520	515	491	436	325	214
	5.06	553	548	524	465	349	232
	6.20	592	586	534	461	317	172
	7.59	625	618	537	451	280	109
	9.30	674	643	534	425	207	-
	11.40	681	654	522	390	126	-
	14.00	686	658	501	343	-	-
	17.10	689	655	464	272	-	-
	20.90	692	640	401	161	-	-
	25.60	694	617	334	-	-	-
	31.40	694	575	231	-	-	-
TRIPLE	38.40	692	513	-	-	-	-
	47.10	689	436	-	-	-	-
	57.70	683	-	-	-	-	-
	70.60	634	-	-	-	-	-
	86.50	-	-	-	-	-	-
	106	-	-	-	-	-	-
	130	-	-	-	-	-	-
	159	-	-	-	-	-	-
	195	-	-	-	-	-	-
	238	-	-	-	-	-	-

NOTE: Overhung loads are based on 5000 hours L10 bearing life at motor hp listed for worst case overhung load angle and shaft direction of rotation. At one shaft diameter from the shaft shoulder. Measured in lbs.

APG Reducers - Size 2

SINGLE REDUCTION - C-FACE

RATIO	EXACT RATIO	RATING DATA	RPM INPUT								FRAME SIZE	MODEL NUMBER C-FACE	
			3600	2500	1750	1430	1170	870	720	580			100
1.22	1.25	OUTPUT RPM	2880	2000	1400	1140	935	700	575	465	80	56C	M85808
		OUTPUT TORQUE IN-LB	212	232	251	238	276	291	274	278	343		
		OUTPUT HP (MAX.)	9.90	7.52	5.70	4.41	4.16	3.27	2.55	2.09	0.44		
		INPUT HP (MAX.)	10.1	7.67	5.82	4.50	4.24	3.34	2.60	2.18	0.45		
		OHL OUTPUT SHAFT (1)	488	505	488	625	449	424	680	690	815	180TC	M85824
1.50	1.48	OUTPUT RPM	2430	1690	1180	965	790	585	485	390	65	56C	M85809
		OUTPUT TORQUE IN-LB	237	258	278	267	303	322	305	311	365		
		OUTPUT HP (MAX.)	9.01	6.81	5.16	4.03	3.75	2.96	2.32	1.91	0.38		
		INPUT HP (MAX.)	9.19	6.95	5.27	4.11	3.83	3.02	2.37	1.95	0.39		
		OHL OUTPUT SHAFT (1)	497	514	508	645	473	447	690	705	835	180TC	M85825
1.84	1.88	OUTPUT RPM	1910	1330	930	760	620	460	380	310	53	56C	M85810
		OUTPUT TORQUE IN-LB	249	271	293	282	317	336	318	320	377		
		OUTPUT HP (MAX.)	7.74	5.85	4.42	3.49	3.21	2.53	1.98	1.60	0.32		
		INPUT HP (MAX.)	7.90	5.97	4.51	3.56	3.28	2.58	2.02	1.63	0.33		
		OHL OUTPUT SHAFT (1)	509	526	544	660	509	488	705	720	850	180TC	M85826
2.25	2.27	OUTPUT RPM	1590	1100	770	630	515	385	315	255	44	56C	M85811
		OUTPUT TORQUE IN-LB	267	290	312	292	339	357	326	326	379		
		OUTPUT HP (MAX.)	6.77	5.11	3.86	2.90	2.79	2.20	1.66	1.33	0.26		
		INPUT HP (MAX.)	6.91	5.21	3.94	3.03	2.85	2.24	1.69	1.36	0.27		
		OHL OUTPUT SHAFT (1)	533	537	555	675	551	531	720	735	870	180TC	M85827
2.76	2.79	OUTPUT RPM	1290	895	630	515	420	310	260	208	36	56C	M85812
		OUTPUT TORQUE IN-LB	273	296	316	303	349	365	334	332	360		
		OUTPUT HP (MAX.)	5.65	4.25	3.20	2.50	2.32	1.82	1.38	1.11	0.21		
		INPUT HP (MAX.)	5.77	4.34	3.27	2.55	2.37	1.86	1.41	1.13	0.21		
		OHL OUTPUT SHAFT (1)	530	548	567	690	589	606	735	750	885	180TC	M85828
3.38	3.50	OUTPUT RPM	1030	715	500	410	335	250	205	165	29	56C	M85813
		OUTPUT TORQUE IN-LB	274	297	318	313	341	364	339	338	383		
		OUTPUT HP (MAX.)	4.65	3.49	2.63	2.09	1.89	1.49	1.15	0.92	0.18		
		INPUT HP (MAX.)	4.74	3.56	2.68	2.13	1.93	1.52	1.17	0.94	0.18		
		OHL OUTPUT SHAFT (1)	543	562	581	705	603	620	750	765	905	140TC	M85821
4.13	4.14	OUTPUT RPM	870	605	420	345	280	210	174	140	24	56C	M85814
		OUTPUT TORQUE IN-LB	287	310	335	323	362	379	344	344	360		
		OUTPUT HP (MAX.)	3.96	2.97	2.23	1.79	1.61	1.26	0.95	0.76	0.14		
		INPUT HP (MAX.)	4.04	3.03	2.28	1.83	1.64	1.29	0.97	0.78	0.14		
		OHL OUTPUT SHAFT (1)	552	572	591	715	618	632	765	780	925	140TC	M85822
5.06	5.07	OUTPUT RPM	720	500	350	286	234	174	144	116	20	56C	M85815
		OUTPUT TORQUE IN-LB	290	311	330	331	363	377	352	349	376		
		OUTPUT HP (MAX.)	3.26	2.44	1.83	1.47	1.32	1.03	0.79	0.64	0.12		
		INPUT HP (MAX.)	3.33	2.49	1.87	1.50	1.35	1.05	0.81	0.65	0.12		
		OHL OUTPUT SHAFT (1)	564	583	604	730	627	645	780	795	940	140TC	M85823

NOTE: SIZE 2 APG reducers are not thermally limited.

(1) At one shaft diameter from the shaft shoulder. Measured in lbs.

APG Reducers - Size 2

DOUBLE REDUCTION - C-FACE

RATIO	EXACT RATIO	RATING DATA	RPM INPUT									FRAME SIZE	MODEL NUMBER C-FACE
			3600	2500	1750	1430	1170	870	720	580	100		
4.13	4.16	Output RPM	865	600	420	345	280	210	173	140	24	56C	M85700
		Output Torque in-lb.	702	770	840	865	915	960	904	942	1139		
		Output HP (Max.)	9.70	7.36	5.59	4.75	4.07	3.21	2.50	2.09	0.43		
		Input HP (Max.)	10.10	7.67	5.82	4.95	4.24	3.34	2.60	2.18	0.45	180TC	M85736
		OHL Output Shaft (1)	405	507	595	663	718	827	950	1050	1350		
5.06	4.94	Output RPM	730	505	355	290	235	176	146	117	20	56C	M85701
		Output Torque in-lb.	783	850	910	959	1000	1060	1010	1047	1281		
		Output HP (Max.)	8.82	6.67	5.06	4.30	3.68	2.90	2.28	1.91	0.40		
		Input HP (Max.)	9.19	6.95	5.27	4.48	3.83	3.02	2.37	1.99	0.42	180TC	M85737
		OHL Output Shaft (1)	405	517	616	685	741	857	980	1080	1290		
6.20	6.33	Output RPM	570	395	275	225	185	137	114	92	16	56C	M85702
		Output Torque in-lb.	1054	1151	1257	1292	1335	1428	1356	1403	1699		
		Output HP (Max.)	9.70	7.36	5.59	4.73	4.03	3.17	2.50	2.09	0.43		
		Input HP (Max.)	10.10	7.67	5.82	4.92	4.19	3.31	2.60	2.18	0.45	180TC	M85738
		OHL Output Shaft (1)	345	424	510	589	653	746	935	960	1125		
7.59	7.51	Output RPM	480	330	235	190	156	116	96	77	13	56C	M85703
		Output Torque in-lb.	1128	1216	1315	1353	1394	1471	1509	1584	1777		
		Output HP (Max.)	8.48	6.35	4.80	4.04	3.43	2.68	2.28	1.91	0.37		
		Input HP (Max.)	8.84	6.61	5.00	4.21	3.57	2.80	2.37	1.99	0.39	180TC	M85739
		OHL Output Shaft (1)	370	465	565	654	726	836	910	905	1115		
9.30	9.52	Output RPM	380	263	184	150	123	91	76	61	10	56C	M85704
		Output Torque in-lb.	1176	1262	1335	1399	1466	1517	1588	1623	1846		
		Output HP (Max.)	7.22	5.39	4.03	3.41	2.91	2.26	1.94	1.60	0.31		
		Input HP (Max.)	7.52	5.61	4.19	3.55	3.03	2.36	2.02	1.66	0.33	180TC	M85740
		OHL Output Shaft (1)	395	526	653	736	804	912	900	915	1120		
11.4	11.51	Output RPM	315	217	152	124	102	76	63	50	8.7	56C	M85705
		Output Torque in-lb.	1229	1316	1394	1452	1543	1584	1627	1646	1845		
		Output HP (Max.)	6.14	4.57	3.43	2.89	2.45	1.91	1.63	1.33	0.25		
		Input HP (Max.)	6.40	4.77	3.57	3.01	2.55	1.99	1.69	1.39	0.27	180TC	M85741
		OHL Output Shaft (1)	475	592	726	813	884	906	910	935	1170		
14.0	14.13	Output RPM	255	177	124	101	83	62	51	41	7.1	56C	M85706
		Output Torque in-lb.	1274	1365	1466	1503	1536	1623	1638	1661	1826		
		Output HP (Max.)	5.21	3.88	2.91	2.44	2.05	1.60	1.35	1.11	0.21		
		Input HP (Max.)	5.43	4.04	3.03	2.53	2.13	1.66	1.41	1.15	0.21	180TC	M85742
		OHL Output Shaft (1)	540	664	804	866	917	914	940	960	1180		
17.1	17.73	Output RPM	203	141	99	81	66	49	41	33	56	56C	M85707
		Output Torque in-lb.	1329	1416	1543	1555	1625	1646	1690	1707	1916		
		Output HP (Max.)	4.43	3.28	2.45	2.06	1.75	1.33	1.13	0.92	0.18		
		Input HP (Max.)	4.61	3.42	2.55	2.15	1.83	1.39	1.17	0.96	0.18	140TC	M85725
		OHL Output Shaft (1)	600	746	884	893	901	938	940	970	1160		
20.9	20.99	Output RPM	172	119	83	68	56	41	34	28	4.8	56C	M85708
		Output Torque in-lb.	1371	1468	1536	1578	1620	1661	1725	1720	1801		
		Output HP (Max.)	3.74	2.77	2.05	1.71	1.44	1.11	0.93	0.76	0.14		
		Input HP (Max.)	3.90	2.89	2.13	1.78	1.50	1.15	0.97	0.80	0.14	140TC	M85726
		OHL Output Shaft (1)	680	836	917	927	936	959	960	1000	1280		
25.6	25.33	Output RPM	142	99	69	56	46	34	28	23	3.9	56C	M85709
		Output Torque in-lb.	1429	1481	1519	1527	1596	1649	1742	1745	1900		
		Output HP (Max.)	3.17	2.28	1.64	1.36	1.14	0.89	0.77	0.64	0.12		
		Input HP (Max.)	3.31	2.37	1.71	1.42	1.19	0.93	0.81	0.66	0.12	140TC	M85727
		OHL Output Shaft (1)	760	904	901	921	937	972	990	1015	1260		
31.4	30.0	Output RPM	120	83	58	48	39	29	24	19	3.3	56C	M85753
		Output Torque in-lb.	1412	1455	1534	1569	1611	1638	1718	1742	1852		
		Output HP (Max.)	2.58	1.90	1.40	1.17	0.98	0.75	0.63	0.51	0.09		
		Input HP (Max.)	2.68	1.98	1.46	1.22	1.02	0.78	0.65	0.53	0.10	140TC	M85754
		OHL Output Shaft (1)	925	986	1000	1015	1026	1062	1050	1080	1400		

(1) At one shaft diameter from the shaft shoulder. Measured in lbs.

APG Reducers - Size 2

TRIPLE REDUCTION - C-FACE

RATIO	EXACT RATIO	RATING DATA	RPM INPUT									FRAME SIZE	MODELNUMBER C-FACE
			3600	2500	1750	1430	1170	870	720	580	100		
31.4	30.96	Output RPM	116	81	57	46	38	28	23	19	3.2	56C	M85710
		Output Torque in-lb.	904	1020	1155	1235	1323	1446	1630	1732	1851		
		Output HP (Max.)	1.65	1.29	1.03	0.89	0.78	0.64	0.59	0.51	0.09	140TC	M85728
		Input HP (Max.)	1.76	1.38	1.09	0.95	0.83	0.68	0.63	0.54	0.10		
		OHL Output Shaft (1)	1245	1241	1217	1202	1189	1183	1100	1065	1400		
38.4	38.84	Output RPM	93	64	45	37	30	22	19	15	2.6	56C	M85711
		Output Torque in-lb.	952	1078	1235	1293	1410	1498	1649	1762	1883		
		Output HP (Max.)	1.42	1.11	0.88	0.76	0.67	0.55	0.49	0.42	0.08	140TC	M85729
		Input HP (Max.)	1.51	1.18	0.94	0.81	0.71	0.58	0.52	0.45	0.08		
		OHL Output Shaft (1)	1250	1241	1212	1194	1180	1117	1115	1095	1350		
47.1	45.98	Output RPM	78	54	38	31	25	19	16	13	2.2	56C	M85712
		Output Torque in-lb.	1042	1174	1323	1402	1499	1666	1778	1769	1900		
		Output HP (Max.)	1.26	0.99	0.78	0.68	0.59	0.49	0.43	0.35	0.06	140TC	M85730
		Input HP (Max.)	1.34	1.05	0.83	0.72	0.63	0.52	0.46	0.37	0.07		
		OHL Output Shaft (1)	1230	1216	1189	1167	1149	1109	1080	1080	1400		
57.7	55.49	Output RPM	65	45	32	26	21	16	13	10	1.8	56C	M85713
		Output Torque in-lb.	1112	1251	1410	1493	1632	1761	1789	1796	1920		
		Output HP (Max.)	1.09	0.85	0.67	0.59	0.52	0.42	0.35	0.29	0.05	140TC	M85731
		Input HP (Max.)	1.16	0.91	0.71	0.62	0.55	0.45	0.38	0.31	0.06		
		OHL Output Shaft (1)	1230	1212	1180	1143	1113	1096	1125	1140	1400		
70.6	71.95	Output RPM	50	35	24	20	16	12	10	8.1	1.4	56C	M85714
		Output Torque in-lb.	1209	1381	1523	1627	1758	1769	1778	1843	1900		
		Output HP (Max.)	0.98	0.77	0.60	0.52	0.46	0.35	0.29	0.24	0.04	140TC	M85732
		Input HP (Max.)	1.04	0.82	0.64	0.56	0.49	0.37	0.31	0.26	0.04		
		OHL Output shaft (1)	1200	1164	1149	1109	1076	1111	1150	1160	1400		
86.5	90.28	Output RPM	40	28	19	16	13	9.6	8	6.4	1.1	56C	M85715
		Output Torque in-lb.	1252	1417	1632	1667	1746	1795	1821	1805	1814		
		Output HP (Max.)	0.83	0.65	0.52	0.44	0.37	0.29	0.24	0.19	0.03	140TC	M85733
		Input HP (Max.)	0.89	0.69	0.55	0.47	0.40	0.31	0.28	0.20	0.04		
		OHL Output Shaft (1)	1215	1183	1113	1125	1135	1141	1170	1240	1400		
105.9	106.86	Output RPM	34	23	16	13	11	8.1	6.7	5.4	0.94	56C	M85716
		Output Torque in-lb.	1369	1577	1795	1807	1813	1843	1778	1869	1909		
		Output HP (Max.)	0.74	0.58	0.47	0.39	0.32	0.24	0.19	0.16	0.03	140TC	M85734
		Input HP (Max.)	0.79	0.61	0.50	0.41	0.34	0.26	0.20	0.17	0.03		
		OHL Output Shaft (1)	1180	1117	1050	1083	1109	1162	1250	1250	1400		
129.7	128.97	Output RPM	28	19	13.5	11	9.1	6.7	5.6	4.5	0.78	56C	M85717
		Output Torque in-lb.	1447	1628	1746	1737	1746	1804	1835	1881	1963		
		Output HP (Max.)	0.64	0.50	0.37	0.30	0.25	0.19	0.16	0.13	0.02	140TC	M85735
		Input HP (Max.)	0.68	0.53	0.40	0.33	0.27	0.20	0.17	0.14	0.03		
		OHL Output Shaft (1)	1170	1124	1135	1172	1202	1241	1270	1305	1400		

(1) At one shaft diameter from the shaft shoulder. Measured in lbs.

APG Reducers - Size 3

SINGLE REDUCTION - C-FACE AND SEPARATES

RATIO	EXACT RATIO	RATING DATA	RPM INPUT									FRAME SIZE	MODEL NUMBER	
			3600	2500	1750	1430	1170	870	720	580	100		C-FACE	SEPARATE
1.22	1.24	Output RPM	2900	2015	1410	1150	945	700	580	465	81	56C	M85598	R86000
		Output Torque, in-lb.	377	422	487	495	501	517	525	537	625			
		Output HP (Max.)	17.6	13.7	11.1	9.21	7.62	5.85	4.92	4.05	0.81			
		Input HP (Max.)	18.0	14.0	11.3	9.40	7.78	5.97	5.02	4.13	0.83			
		OHL Output Shaft (1)	532	500	531	590	605	710	708	756	1474			
		OHL Input Shaft (1)	93.2	118	91.6	174	202	243	273	309	309			
1.50	1.53	Output RPM	2350	1635	1140	935	765	570	470	380	65	56C	M85033	R86001
		Output Torque, in-lb.	386	445	530	528	538	549	544	565	649			
		Output HP (Max.)	14.7	11.8	9.80	7.99	6.65	5.06	4.15	3.47	0.69			
		Input HP (Max.)	15.0	12.0	10.0	8.15	6.79	5.16	4.23	3.54	0.70			
		OHL Output Shaft (1)	615	550	550	635	686	790	803	881	1506			
		OHL Input Shaft (1)	134	146	110	180	207	250	288	319	319			
1.84	1.81	Output RPM	1990	1380	965	790	645	480	400	320	55	56C	M85034	R86002
		Output Torque, in-lb.	442	500	529	540	549	558	565	574	659			
		Output HP (Max.)	13.7	10.8	7.99	6.65	5.54	4.18	3.51	2.87	0.57			
		Input HP (Max.)	14.0	11.0	8.15	6.79	5.65	4.27	3.58	2.93	0.58			
		OHL Output Shaft (1)	618	640	695	780	786	862	950	1015	1538			
		OHL Input Shaft (1)	127	140	177	201	228	274	305	344	344			
2.25	2.30	Output RPM	1565	1090	760	620	510	380	315	250	43	56C	M85035	R86003
		Output Torque, in-lb.	463	523	555	549	554	565	573	585	667			
		Output HP (Max.)	11.8	9.21	6.86	5.54	4.57	3.47	2.91	2.39	0.47			
		Input HP (Max.)	12.0	9.40	7.00	5.65	4.66	3.54	2.97	2.44	0.48			
		OHL Output Shaft (1)	688	740	750	850	900	1000	1075	1142	1573			
		OHL Input Shaft (1)	121	138	170	208	238	282	314	351	351			
2.76	2.79	Output RPM	1290	895	625	515	420	310	260	210	36	56C	M85036	R86004
		Output Torque, in-lb.	473	532	550	555	557	573	582	593	681			
		Output HP (Max.)	9.80	7.65	5.54	4.57	3.75	2.87	2.41	1.98	0.39			
		Input HP (Max.)	10.0	7.81	5.65	4.66	3.83	2.93	2.46	2.02	0.40			
		OHL Output Shaft (1)	752	810	879	960	995	1094	1170	1241	1604			
		OHL Input Shaft (1)	134	152	192	220	250	293	324	362	362			
3.38	3.33	Output RPM	1080	750	525	430	350	260	215	174	30	56C	M85037	R86005
		Output Torque, in-lb.	521	540	555	558	574	585	591	604	688			
		Output HP (Max.)	8.82	6.35	4.57	3.75	3.16	2.39	2.00	1.65	0.32			
		Input HP (Max.)	9.00	6.48	4.66	3.83	3.22	2.44	2.04	1.68	0.33			
		OHL Output Shaft (1)	782	873	957	1025	1160	1119	1250	1341	1639			
		OHL Input Shaft (1)	129	164	206	234	260	305	338	375	375			
4.13	4.06	Output RPM	885	615	430	350	290	215	177	143	25	56C	M85038	R86006
		Output Torque, in-lb.	533	547	559	575	572	593	603	621	715			
		Output HP (Max.)	7.37	5.25	3.75	3.16	2.57	1.98	1.67	1.38	0.27			
		Input HP (Max.)	7.52	5.36	3.83	3.22	2.62	2.02	1.70	1.41	0.28			
		OHL Output Shaft (1)	852	941	1050	1098	1115	1116	1300	1412	1671			
		OHL Input Shaft (1)	135	173	216	239	271	314	345	380	380			
5.06	5.07	Output RPM	710	490	345	280	230	172	142	114	20	56C	M85039	R86007
		Output Torque, in-lb.	541	556	575	573	585	604	621	636	688			
		Output HP (Max.)	6.11	4.36	3.16	2.57	2.15	1.65	1.40	1.16	0.22			
		Input HP (Max.)	6.23	4.45	3.22	2.62	2.19	1.68	1.43	1.18	0.22			
		OHL Output Shaft (1)	913	1050	1118	1196	1320	1381	1405	1440	1705			
		OHL Input Shaft (1)	137	174	215	245	272	315	343	380	380			

NOTE: Shaded ratings are thermally limited. See page APG-84 for thermal capabilities.

(1) At one shaft diameter from the shaft shoulder. Measured in lbs.

APG Reducers - Size 3

DOUBLE REDUCTION - C-FACE AND SEPARATES

RATIO	EXACT RATIO	RATING DATA	RPM INPUT								FRAME SIZE	MODEL NUMBER	
			3600	2500	1750	1430	1170	870	720	580	100	C-FACE	SEPARATE
4.13	4.12	Output RPM	870	605	425	345	285	210	175	140	24	56C	M85040
		Output Torque, in-lb.	1249	1499	1642	1765	1794	1850	1860	1943	2249		
		Output HP (Max.)	17.28	14.4	11.04	9.70	8.06	6.18	5.15	4.33	0.86		
		Input HP (Max.)	18.00	15.0	11.50	10.10	8.40	6.44	5.36	4.51	0.90		
		OHL Output Shaft (1)	830	925	1040	1140	1200	1400	1450	1570	1940		
		OHL Input Shaft (1)	93	10	60	55	161	220	253	282	282		
5.06	5.11	Output RPM	705	490	340	280	230	170	141	114	20	56C	M85041
		Output Torque, in-lb.	1361	1592	1749	1918	1963	2013	2050	2085	2449		
		Output HP (Max.)	15.36	12.48	9.60	8.60	7.20	5.49	4.63	3.79	0.77		
		Input HP (Max.)	16.00	13.00	10.00	8.96	7.50	5.72	4.82	3.95	0.80		
		OHL Output Shaft (1)	880	980	1120	1160	1300	1450	1550	1670	1970		
		OHL Input Shaft(1)	86	41	90	49	142	219	249	186	186		
6.20	6.26	Output RPM	575	400	280	230	187	139	115	93	16	56C	M85042
		Output Torque, in-lb.	1876	2101	2422	2466	2494	2574	2615	2671	3114		
		Output HP (Max.)	17.30	13.4	10.8	9.02	7.47	5.73	4.82	3.96	0.797		
		Input HP (Max.)	18.00	14.0	11.3	9.40	7.78	5.97	5.02	4.13	0.83		
		OHL Output Shaft (1)	770	880	960	1100	1250	1360	1380	1420	1670		
		OHL Input Shaft (1)	93.2	118	91.6	174	202	243	273	309	309		
7.59	7.77	Output RPM	465	320	225	184	150	112	93	75	13	56C	M85043
		Output Torque, in-lb.	1913	2204	2620	2617	2665	2724	2698	2803	3215		
		Output HP (Max.)	14.4	11.5	9.60	7.82	6.52	4.95	4.06	3.40	0.672		
		Input HP (Max.)	15.0	12.0	10.00	8.15	6.79	5.16	4.23	3.54	0.70		
		OHL Output Shaft (1)	860	960	1030	1200	1290	1340	1370	1380	1680		
		OHL Input Shaft (1)	134	146	110	180	207	250	288	319	319		
9.30	9.20	Output RPM	390	270	190	155	127	95	78	63	11	56C	M85044
		Output Torque, in-lb.	2188	2476	2621	2672	2717	2762	2798	2843	3264		
		Output HP (Max.)	13.4	10.6	7.82	6.52	5.42	4.10	3.44	2.81	0.557		
		Input HP (Max.)	14.0	11.0	8.15	6.79	5.65	4.27	3.58	2.93	0.58		
		OHL Output Shaft(1)	900	980	1230	1290	1300	1370	1390	1380	1680		
		OHL Input Shaft (1)	127	140	177	201	228	274	305	344	344		
11.4	11.68	Output RPM	310	215	150	122	100	74	62	50	8.6	56C	M85045
		Output Torque, in-lb.	2297	2591	2750	2723	2745	2804	2843	2899	3308		
		Output HP (Max.)	11.5	9.02	6.72	5.42	4.47	3.40	2.85	2.34	0.461		
		Input HP (Max.)	12.0	9.40	7.00	5.65	4.66	3.54	2.97	2.44	0.48		
		OHL Output Shaft (1)	1000	1080	1240	1300	1320	1380	1410	1460	1730		
		OHL Input Shaft(1)	121	138	170	208	238	282	314	351	351		
14.0	14.14	Output RPM	255	177	124	101	83	62	51	41	7.1	56C	M85046
		Output Torque, in-lb.	2345	2637	2725	2750	2763	2843	2884	2940	3376		
		Output HP (Max.)	9.60	7.50	5.42	4.47	3.68	2.81	2.36	1.94	0.384		
		Input HP (Max.)	10.00	7.81	5.65	4.66	3.83	2.93	2.46	2.02	0.40		
		OHL Output Shaft (1)	1070	1240	1300	1320	1400	1420	1460	1490	1700		
		OHL Input Shaft (1)	134	152	192	220	250	293	324	362	362		
17.1	16.89	Output RPM	215	148	104	85	69	52	43	34	5.9	56C	M85047
		Output Torque, in-lb.	2585	2680	2753	2769	2846	2900	2930	2995	3412		
		Output HP (Max.)	8.64	6.22	4.47	3.68	3.09	2.34	1.96	1.61	0.317		
		Input HP (Max.)	9.00	6.48	4.66	3.83	3.22	2.44	2.04	1.68	0.33		
		OHL Output Shaft (1)	1140	1330	1320	1400	1380	1450	1470	1500	1760		
		OHL Input Shaft(1)	129	164	206	234	260	305	338	375	375		
20.9	20.55	Output RPM	175	122	85	70	57	42	35	28	4.9	56C	M85048
		Output Torque, in-lb.	2645	2715	2771	2851	2836	2940	2990	3079	3546		
		Output HP (Max.)	7.22	5.15	3.68	3.09	2.52	1.94	1.63	1.35	0.269		
		Input HP (Max.)	7.52	5.36	3.83	3.22	2.62	2.02	1.70	1.41	0.28		
		OHL Output Shaft (1)	1260	1340	1400	1390	1460	1490	1460	1520	1800		
		OHL Input Shaft(1)	135	173	216	239	271	314	345	380	380		
25.6	25.67	Output RPM	140	97	68	56	46	34	28	23	3.9	56C	M85049
		Output Torque, in-lb.	2683	2759	2852	2840	2901	2993	3079	3154	3410		
		Output HP (Max.)	5.98	4.27	3.09	2.52	2.10	1.61	1.37	1.13	0.211		
		Input HP (Max.)	6.23	4.45	3.22	2.62	2.19	1.68	1.43	1.18	0.22		
		OHL Output Shaft (1)	1360	1360	1490	1460	1460	1500	1480	1560	1840		
		OHL Input Shaft (1)	137	174	215	245	272	315	343	380	380		

NOTE: Shaded ratings are thermally limited. See page APG-84 for thermal capabilities.

(1) At one shaft diameter from the shaft shoulder. Measured in lbs.

APG Reducers - Size 3

TRIPLE REDUCTION - C-FACE AND SEPARATES

RATIO	EXACT RATIO	RATING DATA	RPM INPUT									FRAME SIZE	MODEL NUMBER	
			3600	2500	1750	1430	1170	870	720	580	100		C-FACE	SEPARATE
31.4	32.15	Output RPM	112	78	54	44	36	27	22	18	3.1	56C 140TC 180TC	M85050 M85074 *	R86108
		Output Torque, in-lb.	2376	2685	2837	2913	2988	3078	3151	3174	3533			
		Output HP (Max.)	4.32	3.39	2.51	2.11	1.767	1.35	1.147	0.931	0.179			
		Input HP (Max.)	4.60	3.61	2.67	2.24	1.88	1.44	1.22	0.99	0.19			
		OHL Output Shaft (1)	1520	1450	1455	1450	1470	1520	1550	1590	1930			
		OHL Input Shaft (1)	217	245	284	309	336	380	411	451	451			
38.4	38.38	Output RPM	94	65	46	37	30	23	19	15	2.6	56C 140TC 180TC	M85000 M85004 *	R86109
		Output Torque, in-lb.	2594	2833	2915	2994	3056	3167	3163	3180	3416			
		Output HP (Max.)	3.85	2.92	2.106	1.77	1.476	1.14	0.94	0.761	0.141			
		Input HP (Max.)	4.10	3.11	2.24	1.88	1.57	1.21	1.00	0.81	0.15			
		OHL Output Shaft (1)	1460	1410	1460	1460	1485	1560	1580	1620	2120			
		OHL Input Shaft (1)	228	261	304	329	357	402	436	476	476			
47.1	46.70	Output RPM	77	54	37	31	25	19	15	12	2.1	56C 140TC 180TC	M85052 M85075 *	R86110
		Output Torque, in-lb.	2774	2878	2996	3062	3099	3174	3177	3270	3347			
		Output HP (Max.)	3.37	2.43	1.767	1.48	1.222	0.931	0.771	0.639	0.113			
		Input HP (Max.)	3.58	2.58	1.88	1.57	1.30	0.99	0.82	0.68	0.12			
		OHL Output Shaft(1)	1400	1450	1470	1480	1540	1580	1620	1650	2150			
		OHL Input Shaft (1)	240	278	321	347	376	423	456	494	494			
57.7	58.34	Output RPM	62	43	30	25	20	15	12	10	1.7	56C 140TC 180TC	M85053 M85076 *	R86111
		Output Torque, in-lb.	2837	2924	3064	3105	3123	3180	3273	3298	3074			
		Output HP (Max.)	2.81	2.01	1.476	1.22	1.006	0.761	0.649	0.526	0.085			
		Input HP (Max.)	2.99	2.14	1.57	1.30	1.07	0.81	0.69	0.56	0.09			
		OHL output Shaft (1)	1430	1460	1485	1540	1560	1620	1660	1700	2180			
		OHL Input Shaft (1)	253	293	335	363	392	439	471	511	511			
70.6	71.67	Output RPM	50	35	24	20	16	12	10	8.1	1.4	56C 140TC	M85054 M85077	R86112
		Output Torque, in-lb.	2894	2979	3108	3131	3147	3270	3370	3390	3347			
		Output HP (Max.)	2.34	1.67	1.222	1.01	0.827	0.639	0.545	0.442	0.075			
		Input HP (Max.)	2.49	1.78	1.3	1.07	0.88	0.68	0.58	0.47	0.08			
		OHL Output Shaft (1)	1460	1480	1540	1560	1610	1660	1680	1670	2200			
		OHL Input Shaft (1)	218	256	298	325	355	399	429	469	469			
86.5	85.57	Output RPM	42	29	20	17	14	10	8.4	6.8	1.2	56C 140TC	M85055 M85078	R86113
		Output Torque, in-lb.	2932	3054	3133	3189	3240	3298	3344	3357	3586			
		Output HP (Max.)	1.94	1.40	1.006	0.837	0.696	0.526	0.442	0.357	0.066			
		Input HP (Max.)	2.06	1.49	1.07	0.89	0.74	0.56	0.47	0.38	0.07			
		OHL Output Shaft (1)	1510	1490	1560	1600	1650	1700	1700	1740	2270			
		OHL Input Shaft (1)	236	274	317	344	373	419	452	492	492			
105.9	104.11	Output RPM	35	24	17	14	11	8.4	6.9	5.6	0.96	56C 140TC	M85056 M85079	R86114
		Output Torque, in-lb.	2998	3137	3191	3247	3325	3389	3398	3461	3137			
		Output HP (Max.)	1.62	1.18	0.837	0.696	0.583	0.442	0.367	0.301	0.047			
		Input HP (Max.)	1.72	1.25	0.89	0.74	0.62	0.47	0.39	0.32	0.05			
		OHL Output Shaft (1)	1490	1460	1600	1650	1660	1710	1770	1760	2300			
		OHL In Shaft (1)	250	288	332	360	388	435	468	508	508			
129.7	130.07	Output RPM	28	19	13	11	9	6.7	5.5	4.5	0.77	56C 140TC	M85245 M85080	R86115
		Output Torque, in-lb.	3074	3135	3290	3331	3284	3356	3415	3444	3074			
		Output HP (Max.)	1.35	0.959	0.705	0.583	0.47	0.357	0.301	0.244	0.038			
		Input HP (Max.)	1.44	1.02	0.75	0.62	0.50	0.38	0.32	0.26	0.04			
		OHL Output Shaft (1)	1520	1600	1660	1660	1740	1720	1780	1860	2300			
		OHL Input Shaft (1)	261	302	300	372	403	450	483	523	523			

(1) At one shaft diameter from the shaft shoulder. Measured in lbs.

* Made to Order

APG Reducers - Size 4

SINGLE REDUCTION - C-FACE AND SEPARATES

RATIO	EXACT RATIO	RATING DATA	RPM INPUT									FRAME SIZE	MODEL NUMBER	
			3600	2500	1750	1430	1170	870	720	580	100		C-FACE	SEPARATE
1.22	1.24	Output RPM	2900	2015	1410	1150	945	700	580	465	80	180TC	M85142	R86008
		Output Torque, in-lb.	724	775	860	859	889	944	973	998	1153			
		Output HP (Max.)	33.9	25.2	19.6	16.0	13.5	10.7	9.11	7.53	1.5			
		Input HP (Max.)	34.6	25.7	20.0	16.3	13.8	10.9	9.30	7.68	1.53			
		OHL Output Shaft (1)	464	450	530	755	605	740	635	710	1280			
		OHL Input Shaft (1)	110	221	260	300	335	387	427	481	481			
1.50	1.47	Output RPM	2450	1700	1190	970	795	590	490	395	68	180TC	M85143	R86009
		Output Torque, in-lb.	759	814	868	901	934	987	1000	1016	1167			
		Output HP (Max.)	28.9	21.5	16.1	13.6	11.6	9.08	7.61	6.23	1.23			
		Input HP (Max.)	29.5	22.0	16.4	13.9	11.8	9.27	7.77	6.36	1.26			
		OHL Output Shaft (1)	540	610	647	660	700	760	790	880	1310			
		OHL Input Shaft (1)	200	245	295	327	361	417	465	524	524			
1.84	1.85	Output RPM	1945	1350	945	770	630	470	390	315	54	180TC	M85144	R86010
		Output Torque, in-lb.	792	846	909	938	981	1003	1017	1031	1193			
		Output HP (Max.)	24.6	18.2	13.72	11.6	9.90	7.53	6.31	5.15	1.03			
		Input HP (Max.)	25.1	18.6	14.00	11.8	10.1	7.68	6.44	5.26	1.05			
		OHL Output Shaft (1)	638	700	750	900	820	895	950	1062	1340			
		OHL Input Shaft (1)	208	253	300	337	368	437	486	546	546			
2.25	2.22	Output RPM	1620	1125	790	645	525	390	325	260	45	56C	M85107	R86011
		Output Torque, in-lb.	822	878	945	982	994	1016	1029	1049	1209			
		Output HP (Max.)	20.9	15.5	11.7	9.90	8.20	6.23	5.22	4.29	0.853			
		Input HP (Max.)	21.3	15.8	11.9	10.1	8.37	6.36	5.33	4.38	0.87			
		OHL Output Shaft (1)	718	810	845	1030	920	1041	1140	1160	1370			
		OHL Input Shaft (1)	221	268	317	350	394	464	513	571	571			
2.76	2.79	Output RPM	1290	895	625	515	420	310	260	210	36	56C	M85108	R86012
		Output Torque, in-lb.	851	912	982	996	998	1029	1047	1065	1226			
		Output HP (Max.)	17.6	13.1	9.90	8.20	6.72	5.15	4.34	3.56	0.706			
		Input HP (Max.)	18.0	13.4	10.1	8.37	6.86	5.26	4.43	3.63	0.72			
		OHL Output Shaft (1)	804	900	940	1000	1070	1140	1165	1185	1400			
		OHL Input Shaft (1)	222	268	317	358	406	473	520	580	580			
3.38	3.33	Output RPM	1080	750	525	430	350	260	215	174	30	56C	M85109	R86013
		Output Torque, in-lb.	886	951	997	1000	1032	1049	1065	1093	1230			
		Output HP (Max.)	15.0	11.2	8.20	6.72	5.67	4.29	3.61	2.98	0.578			
		Input HP (Max.)	15.3	11.4	8.37	6.86	5.79	4.38	3.68	3.04	0.59			
		OHL Output Shaft (1)	869	955	1025	1060	1140	1165	1190	1210	1430			
		OHL Input Shaft (1)	232	278	336	381	420	491	540	597	597			
4.13	4.06	Output RPM	890	615	430	350	290	215	177	142	25	56C	M85110	R86014
		Output Torque, in-lb.	922	984	1001	1034	1030	1065	1089	1114	1226			
		Output HP (Max.)	12.7	9.44	6.72	5.67	4.63	3.56	3.01	2.48	0.47			
		Input HP (Max.)	13.0	9.63	6.86	5.79	4.72	3.63	3.07	2.53	0.48			
		OHL Output Shaft (1)	938	1030	1125	1135	1170	1190	1220	1240	1465			
		OHL Input Shaft(1)	235	283	351	387	436	503	550	608	608			
5.06	5.07	Output RPM	710	490	345	280	230	172	142	114	20	56C	M85111	R86015
		Output Torque, in-lb.	692	724	764	747	766	794	807	835	906			
		Output HP (Max.)	7.82	5.67	4.19	3.35	2.81	2.17	1.82	1.52	0.28			
		Input HP (Max.)	7.98	5.79	4.28	3.42	2.87	2.21	1.86	1.55	0.29			
		OHL Output Shaft (1)	1014	1115	1265	1160	1180	1215	1235	1262	1500			
		OHL Input Shaft (1)	270	340	400	460	510	580	640	700	700			

NOTE: Shaded ratings are thermally limited. See page APG-84 for thermal capabilities.

(1) At one shaft diameter from the shaft shoulder. Measured in lbs.

APG Reducers - Size 4

DOUBLE REDUCTION - C-FACE AND SEPARATES

RATIO	EXACT RATIO	RATING DATA	RPM INPUT								FRAME SIZE	MODEL NUMBER	
			3600	2500	1750	1430	1170	870	720	580	100	C-FACE	SEPARATE
4.13	4.14	Output RPM	870	605	420	345	280	210	174	140	24	180TC	R86058
		Output Torque, in-lb.	2429	2799	3084	3198	3310	3504	3575	3860	4473	210TC	
		Output HP (Max.)	33.60	26.88	20.74	17.57	14.88	11.71	9.89	8.60	1.72	250TC	
		Input HP (Max.)	35.00	28.00	21.60	18.30	15.50	12.20	10.3	8.96	1.79		
		OHL Output Shaft (1)	700	750	950	1070	1200	1550	1650	1800	2400		
		OHL Input Shaft (1)	85	47	113	211	284	335	375	405	405		
5.06	4.89	Output RPM	735	510	355	290	240	180	147	119	20	180TC	R86059
		Output Torque, in-lb.	2721	3062	3495	3490	3637	3836	4014	4101	4807	210TC	
		Output HP (Max.)	30.72	24.00	19.2	15.65	13.34	10.46	9.06	7.46	1.51	250TC	
		Input HP (Max.)	32.00	25.00	20.0	16.30	13.90	10.90	9.44	7.77	1.57		
		OHL Output Shaft (1)	670	800	1000	1200	1250	1600	1800	2050	2300		
		OHL Input Shaft (1)	77	96	150	262	290	345	375	415	415		
6.20	6.29	Output RPM	570	400	280	230	186	138	114	92	16	180TC	R86060
		Output Torque, in-lb.	3605	3856	4289	4276	4425	4700	4845	4967	5739	210TC	
		Output HP (Max.)	33.2	24.7	19.2	15.6	13.2	10.46	8.93	7.37	1.47	250TC	
		Input HP (Max.)	34.6	25.7	20.0	16.3	13.8	10.90	9.30	7.68	1.53		
		OHL Output Shaft (1)	470	630	800	1110	1220	1270	1380	1450	2200		
		OHL Input Shaft (1)	110	221	260	300	335	387	427	481	481		
7.59	7.43	Output RPM	485	335	235	192	157	117	97	78	13	180TC	R86061
		Output Torque, in-lb.	3763	4034	4304	4464	4632	4893	4956	5036	5786	210TC	
		Output HP (Max.)	28.3	21.1	15.7	13.3	11.3	8.90	7.46	6.11	1.21	250TC	
		Input HP (Max.)	29.5	22.0	16.4	13.9	11.8	9.27	7.77	6.36	1.26		
		OHL Output Shaft (1)	550	720	1100	1200	1210	1360	1450	1930	2300		
		OHL Input shaft (1)	200	245	295	327	361	417	465	524	524		
9.30	9.35	Output RPM	385	265	187	153	125	93	77	62	11	180TC	R86062
		Output Torque, in-lb.	3923	4186	4500	4643	4857	4967	5033	5103	5908	210TC	
		Output HP (Max.)	24.1	17.9	13.44	11.3	9.70	7.37	6.18	5.05	1.01	250TC	
		Input HP (Max.)	25.1	18.6	14.00	11.8	10.1	7.68	6.44	5.26	1.05		
		OHL Output Shaft (1)	640	970	1150	1100	1340	1450	1970	2020	2340		
		OHL Input Shaft (1)	208	253	300	337	368	437	486	546	546		
11.4	11.23	Output RPM	320	220	156	127	104	77	64	52	8.9	56C	R86063
		Output Torque, in-lb.	4077	4355	4686	4867	4930	5038	5102	5204	5996	140TC	
		Output HP (Max.)	20.4	15.2	11.4	9.70	8.04	6.11	5.12	4.20	0.835	180TC	
		Input HP (Max.)	21.3	15.8	11.9	10.1	8.37	6.36	5.33	4.38	0.87	210TC	
		OHL Output Shaft (1)	680	1140	1200	1330	1300	1980	2040	2040	2340		
		OHL Input Shaft (1)	221	268	317	350	394	464	513	571	571		
14.0	14.14	Output RPM	255	177	124	101	83	62	51	41	7.1	56C	R86064
		Output Torque, in-lb.	4220	4524	4871	4940	4949	5103	5193	5282	6077	140TC	
		Output HP (Max.)	17.3	12.9	9.7	8.04	6.59	5.05	4.25	3.48	0.691	180TC	
		Input HP (Max.)	18.0	13.4	10.1	8.37	6.86	5.26	4.43	3.63	0.72	210TC	
		OHL Output Shaft(1)	970	1210	1330	1250	1840	2040	2060	2060	2390		
		OHL Input Shaft(1)	222	268	317	358	406	473	520	580	580		
17.1	16.89	Output RPM	213	148	104	85	69	52	43	34	5.9	56C	R86065
		Output Torque, in-lb.	4395	4715	4946	4960	5117	5206	5285	5420	6101	140TC	
		Output HP (Max.)	14.7	10.9	8.04	6.59	5.56	4.20	3.53	2.92	0.566	180TC	
		Input HP (Max.)	15.3	11.4	8.37	6.86	5.79	4.38	3.68	3.04	0.59	210TC	
		OHL Output Shaft (1)	1120	1230	1250	1830	2000	2050	2020	2050	2400		
		OHL Input Shaft (1)	232	278	336	381	420	491	540	597	597		
20.9	20.55	Output RPM	175	122	85	70	57	42	35	28	4.9	56C	R86066
		Output Torque, in-lb.	4573	4878	5040	5127	5109	5284	5400	5524	6078	140TC	
		Output HP (Max.)	12.5	9.24	6.72	5.56	4.53	3.48	2.95	2.43	0.461	180TC	
		Input HP (Max.)	13.0	9.63	7.00	5.79	4.72	3.63	3.07	2.53	0.48	210TC	
		OHL Output Shaft (1)	1250	1360	1750	1990	2000	2060	2000	2130	2400		
		OHL Input Shaft(1)	235	283	300	387	436	503	550	608	608		
25.6	25.67	Output RPM	140	97	68	56	46	34	28	23	3.9	56C	R86067
		Output Torque, in-lb.	3432	3586	3787	3703	3798	3933	4000	4138	4490	140TC	
		Output HP (Max.)	7.66	5.56	4.11	3.28	2.76	2.12	1.79	1.49	0.28	180TC	
		Input HP (Max.)	7.98	5.79	4.28	3.42	2.87	2.21	1.86	1.55	0.29		
		OHL Output Shaft (1)	1280	1500	1990	2070	2010	2100	2060	2120	2400		
		OHL Input Shaft (1)	270	340	400	460	510	580	640	700	700		

NOTE: Shaded ratings are thermally limited. See page APG-84 for thermal capabilities.

(1) At one shaft diameter from the shaft shoulder. Measured in lbs.

APG Reducers - Size 4

TRIPLE REDUCTION - C-FACE AND SEPARATES

RATIO	EXACT RATIO	RATING DATA	RPM INPUT									FRAME SIZE	MODEL NUMBER	
			3600	2500	1750	1430	1170	870	720	580	100		C-FACE	SEPARATE
31.4	32.59	Output RPM	110	77	54	44	36	27	22	18	3.1	56C	M85117	R86116
		Output Torque, in-lb.	3136	3585	4245	4448	4975	5322	5682	5707	6136			
		Output HP (Max.)	5.71	4.53	3.76	3.21	2.94	2.34	2.07	1.67	0.31			
		Input HP (Max.)	6.07	4.82	4.00	3.42	3.13	2.49	2.2	1.78	0.33			
		OHL Output Shaft (1)	2030	2400	2400	2400	2240	2260	2100	2170	2400			
		OHL Input Shaft (1)	412	464	500	555	586	652	694	759	759			
38.4	38.92	Output RPM	92	64	45	37	30	22	18	15	2.6	56C	M85118	R86117
		Output Torque, in-lb.	3473	3981	4555	4921	5333	5706	5693	5772	6148			
		Output HP (Max.)	5.16	4.11	3.29	2.90	2.58	2.05	1.69	1.38	0.254			
		Input HP (Max.)	5.49	4.37	3.50	3.09	2.74	2.18	1.80	1.47	0.27			
		OHL Output Shaft (1)	2200	2400	2390	2280	2120	2120	2160	2250	2400			
		OHL Input Shaft (1)	422	475	533	569	606	674	728	791	791			
47.1	47.35	Output RPM	76	53	37	30	25	18	15	12	2.1	56C	M85119	R86118
		Output Torque, in-lb.	3773	4329	4941	5344	5578	5578	5772	5867	6136			
		Output HP (Max.)	4.58	3.65	2.91	2.58	2.20	1.64	1.40	1.15	0.207			
		Input HP (Max.)	4.87	3.88	3.10	2.74	2.34	1.74	1.49	1.22	0.22			
		OHL Output Shaft (1)	2400	2400	2260	2040	2130	2190	2220	2260	2400			
		OHL Input Shaft (1)	432	487	547	583	627	704	754	818	818			
57.7	59.16	Output RPM	61	42	30	24	20	15	12	9.8	1.7	56C	M85120	R86119
		Output Torque, in-lb.	3985	4577	5211	5589	5692	5653	5882	6006	6148			
		Output HP (Max.)	3.95	3.15	2.51	2.20	1.83	1.35	1.17	0.959	0.169			
		Input HP (Max.)	4.20	3.35	2.67	2.34	1.95	1.44	1.24	1.02	0.18			
		OHL Output Shaft (1)	2400	2400	2210	2120	2140	2240	2300	2320	2400			
		OHL Input Shaft (1)	444	499	562	600	647	725	775	838	838			
70.6	71.67	Output RPM	50	35	24	20	16	12	10	8.1	1.4	56C	M85121	R86120
		Output Torque, in-lb.	4370	5021	5499	5705	5686	5723	6043	6131	6276			
		Output HP (Max.)	3.53	2.82	2.16	1.83	1.49	1.12	0.978	0.799	0.141			
		Input HP (Max.)	3.76	3.00	2.30	1.95	1.59	1.19	1.04	0.85	0.15			
		OHL Output Shaft (1)	2400	2250	2170	2130	2200	2290	2300	2360	2400			
		OHL Input Shaft (1)	399	447	508	548	597	673	719	782	782			
86.5	85.57	Output RPM	42	29	20	17	14	10	8.4	6.8	1.2	56C	M85122	R86121
		Output Torque, in-lb.	4839	5369	5860	5768	5824	5889	6048	6183	6148			
		Output HP (Max.)	3.20	2.46	1.88	1.51	1.25	0.94	0.799	0.658	0.113			
		Input HP (Max.)	3.40	2.62	2.00	1.61	1.33	1.00	0.85	0.70	0.12			
		OHL Output Shaft (1)	2330	2180	2050	2160	2270	2340	2400	2380	2400			
		OHL Input Shaft (1)	409	464	500	574	621	698	748	811	811			
105.9	104.11	Output RPM	35	24	17	14	11	8.4	6.9	5.6	0.96	56C	M85123	R86122
		Output Torque, in-lb.	5228	5646	5772	5835	5952	6058	6100	6166	6274			
		Output HP (Max.)	2.82	2.11	1.51	1.25	1.04	0.79	0.658	0.536	0.094			
		Input HP (Max.)	3.00	2.25	1.61	1.33	1.11	0.84	0.70	0.57	0.10			
		OHL Output Shaft (1)	2200	2020	2160	2270	2260	2360	2400	2400	2400			
		OHL Input Shaft (1)	421	481	552	596	642	718	771	836	836			
129.7	130.07	Output RPM	28	19	13	11	9	6.7	5.5	4.5	0.77	56C	M85124	R86123
		Output Torque, in-lb.	5507	5625	5840	5964	5976	6006	6190	6227	6147			
		Output HP (Max.)	2.43	1.72	1.25	1.04	0.855	0.639	0.545	0.442	0.075			
		Input HP (Max.)	2.58	1.83	1.33	1.11	0.91	0.68	0.58	0.47	0.08			
		OHL Output Shaft (1)	2110	2240	2270	2280	2360	2400	2400	2400	2400			
		OHL Input Shaft (1)	434	499	569	613	661	739	790	855	855			

(1) At one shaft diameter from the shaft shoulder. Measure in lbs.

APG Reducers - Size 5

SINGLE REDUCTION - C-FACE AND SEPARATES

RATIO	EXACT RATIO	RATING DATA	RPM INPUT									FRAME SIZE	MODEL NUMBER	
			3600	2500	1750	1430	1170	870	720	580	100		C-FACE	SEPARATE
1.22	1.21	Output RPM	2975	2065	1450	1180	965	720	595	480	83	250TC	M85252	R86016
		Output Torque, in-lb.	1465	1625	1722	1713	1732	1793	1821	1858	2170		M85263	
		Output HP (Max.)	68.6	52.8	39.2	31.8	26.4	20.3	17.1	14.0	2.82	280TC		
		Input HP (Max.)	70.0	53.9	40.0	32.5	26.9	20.7	17.4	14.3	2.88			
		OHL Output Shaft (1)	960	975	1010	1060	1070	1105	1122	1157	1367			
		OHL Input Shaft (1)	14.8	82.8	390	460	528	626	699	787	787			
1.50	1.50	Output RPM	2400	1665	1165	955	780	580	480	385	67	180TC	M85215	R86017
		Output Torque, in-lb.	1544	1757	1853	1872	1916	1970	2007	2045	2381	210TC	M85236	
		Output HP (Max.)	58.8	46.5	34.3	28.3	23.7	18.1	15.3	12.5	2.52	250TC	M85253	
		Input HP (Max.)	60.0	47.4	35.0	28.9	24.2	18.5	15.6	12.8	2.57	280TC	M85264	
		OHL Output Shaft (1)	1020	1035	1065	1075	1095	1130	1132	1173	1389			
		OHL Input Shaft (1)	116	105	373	460	520	622	693	782	782			
1.84	1.88	Output RPM	1910	1330	930	760	620	460	380	310	53	180TC	M85216	R86018
		Output Torque, in-lb.	1578	1827	1948	1987	2020	2051	2084	2116	2466		210TC	
		Output HP (Max.)	49.0	39.4	29.4	24.5	20.4	15.4	12.9	10.6	2.13	250TC	M85254	
		Input HP (Max.)	50.0	40.2	30.0	25.0	20.8	15.7	13.2	10.8	2.17	280TC	M85265	
		OHL Output Shaft (1)	1043	1080	1100	1135	1149	1189	1165	1238	1463			
		OHL Input Shaft(1)	245	191	400	465	530	640	713	805	805			
2.25	2.26	Output RPM	1590	1105	775	630	515	385	320	255	44	56C	M85191	R86019
		Output Torque, in-lb.	1768	1890	1985	2021	2031	2077	2104	2152	2501	140TC	M85203	
		Output HP (Max.)	44.9	33.3	24.5	20.4	16.8	12.7	10.7	8.80	1.76	180TC	M85217	
		Input HP (Max.)	45.8	34.0	25.0	20.8	17.1	13.0	10.9	8.98	1.80	210TC	M85238	
		OHL Output Shaft (1)	1065	1105	1138	1160	1183	1217	1245	1264	1495	250TC	M85255	
		OHL Input Shaft (1)	145	351	445	505	577	684	760	848	848	280TC	M85266	
2.76	2.79	Output RPM	1290	895	625	515	420	310	260	210	36	180TC	M85218	R86020
		Output Torque, in-lb.	1830	1954	2040	2036	2051	2113	2144	2186	2519		210TC	
		Output HP (Max.)	37.9	28.1	20.6	16.8	13.8	10.6	8.89	7.30	1.45	250TC	M85256	
		Input HP (Max.)	38.7	28.7	21.0	17.1	14.1	10.8	9.07	7.45	1.48	280TC	M85267	
		OHL Output Shaft (1)	1086	1130	1155	1185	1209	1242	1265	1291	1525			
		OHL Input Shaft(1)	203	371	460	533	603	707	782	872	872			
3.38	3.33	Output RPM	1080	750	525	430	350	260	215	174	30	180TC	M85219	R86021
		Output Torque, in-lb.	1899	1984	2037	2055	2120	2152	2186	2239	2501		210TC	
		Output HP (Max.)	32.1	23.3	16.8	13.8	11.7	8.80	7.40	6.11	1.18	250TC	M85257	
		Input HP (Max.)	32.8	23.8	17.1	14.1	11.9	8.98	7.55	6.23	1.20	280TC	M85268	
		OHL Output Shaft (1)	1108	1147	1186	1220	1240	1268	1295	1317	1559			
		OHL Input Shaft (1)	303	401	501	567	625	737	812	900	900			
4.13	4.06	Output RPM	890	615	430	350	290	215	177	142	25	180TC	M85220	R86022
		Output Torque, in-lb.	1958	2012	2057	2125	2110	2186	2231	2289	2553		210TC	
		Output HP (Max.)	27.0	19.3	13.8	11.7	9.50	7.30	6.16	5.10	0.98			
		Input HP (Max.)	27.6	19.7	14.1	11.9	9.67	7.45	6.29	5.20	1.00			
		OHL Output Shaft(1)	1130	1170	1225	1233	1265	1294	1325	1344	1589			
		OHL Input Shaft (1)	330	420	522	577	655	757	830	917	917			
5.06	5.07	Output RPM	710	490	345	280	230	172	142	114	20	56C	M85192	R86023
		Output Torque, in-lb.	1988	2038	2125	2113	2161	2238	2279	2371	2531		140TC	
		Output HP (Max.)	22.4	16.0	11.7	9.50	7.90	6.11	5.15	4.31	0.79	180TC	M85221	
		Input HP (Max.)	22.9	16.3	11.9	9.67	8.09	6.23	5.25	4.40	0.81	210TC	M85242	
		OHL Output Shaft (1)	1153	1205	1234	1260	1290	1319	1345	1370	1622			
		OHL Input Shaft (1)	334	425	518	591	655	757	831	911	911			

NOTE: Shaded ratings are thermally limited. See page APG-84 for thermal capabilities.

(1) At one shaft diameter from the shaft shoulder. Measured in lbs.
Separate Reducers are limited to 2500 input RPM.

APG Reducers - Size 5

DOUBLE REDUCTION - C-FACE AND SEPARATES

RATIO	EXACT RATIO	RATING DATA	RPM INPUT									FRAME SIZE	MODEL NUMBER	
			3600	2500	1750	1430	1170	870	720	580	100		C-FACE	SEPARATE
4.13	4.02	Output RPM	895	620	435	355	290	215	180	144	25	180TC	*	R86068
		Output Torque, in-lb.	4859	5397	5740	5854	5916	6089	6143	6419	7446	210TC	*	
		Output HP (Max.)	67.2	51.84	38.59	32.16	26.59	20.35	16.99	14.3	2.86	250TC	M85027	
		Input HP (Max.)	70.0	54.0	40.2	33.5	27.7	21.2	17.7	14.9	2.98	280TC	M85269	
		OHL Output Shaft (1)	1300	1460	1725	1840	2050	2300	2400	2550	3600			
		OHL Input Shaft(1)	15.0	75	311	440	510	610	685	760	760			
5.06	5.00	Output RPM	720	500	350	285	235	174	144	116	20	180TC	M85222	R86069
		Output Torque, in-lb.	5273	5878	6315	6401	6542	6721	6803	6968	8174	210TC	M85243	
		Output HP (Max.)	59.52	46.08	34.66	28.7	24.0	18.34	15.36	12.67	2.56	250TC	M85028	
		Input HP (Max.)	62.0	48.0	36.1	29.9	25.0	19.1	16.0	13.2	2.67	280TC	M85270	
		OHL Output Shaft (1)	1300	1570	1800	2000	2100	2350	2500	2800	3600			R86070
		OHL Input Shaft(1)	10	60	254	440	500	600	675	760	760			
6.20	6.11	Output RPM	590	410	285	235	191	142	118	95	16	180TC	*	R86070
		Output Torque, in-lb.	7294	8088	8580	8526	8625	8925	9066	9249	10804	210TC	*	
		Output HP (Max.)	67.2	51.7	38.4	31.2	25.8	19.9	16.7	13.7	2.76	250TC	M85258	
		Input HP (Max.)	70.0	53.9	40.0	32.5	26.9	20.7	17.4	14.3	2.88	280TC	M85271	
		OHL Output Shaft (1)	780	950	1250	1550	1750	2150	2500	2750	3600			
		OHL Input Shaft (1)	14.8	82.8	390	460	528	626	699	787	787			
7.59	7.60	Output RPM	475	330	230	188	154	114	95	76	13	180TC	M85223	R86071
		Output Torque, in-lb.	7654	8707	9185	9281	9499	9765	9950	10135	11802	210TC	M85244	
		Output HP (Max.)	57.6	45.5	33.6	27.7	23.2	17.8	15.0	12.3	2.47	250TC	M85259	
		Input HP (Max.)	60.0	47.4	35.0	28.9	24.2	18.5	15.6	12.8	2.57	280TC	M85272	
		OHL Output Shaft (1)	880	1000	1350	1570	1850	2350	2650	3000	3600			R86072
		OHL Input Shaft (1)	116	105	373	460	520	622	693	782	782			
9.30	9.55	Output RPM	380	260	183	150	123	91	75	61	10	180TC	M85224	R86072
		Output Torque, in-lb.	7815	9048	9650	9837	10003	10154	10316	10478	12210	210TC	M85057	
		Output HP (Max.)	48.0	38.6	28.8	24.0	20.0	15.1	12.7	10.4	2.08	250TC	M85260	
		Input HP (Max.)	50.0	40.2	30.0	25.0	20.8	15.7	13.2	10.8	2.17	280TC	M85273	
		OHL Output Shaft(1)	1100	1150	1470	1800	2100	2700	2950	3250	3600			R86073
		OHL Input Shaft (1)	245	191	400	465	530	640	713	805	805			
11.4	11.46	Output RPM	315	220	153	125	102	76	63	51	8.7	56C	M85193	R86073
		Output Torque, in-lb.	8767	9372	9845	10024	10072	10298	10433	10670	12405	140TC	M85205	
		Output HP (Max.)	44.0	32.6	24.0	20.0	16.4	12.5	10.5	8.60	1.73	180TC	M85225	
		Input HP (Max.)	45.8	34.0	25.0	20.8	17.1	13.0	10.9	8.98	1.80	210TC	M85025	
		OHL Output Shaft (1)	1100	1300	1800	2100	2470	3000	3250	3570	3600	250TC	M85031	
		OHL input Shaft (1)	145	351	445	505	577	684	760	848	848	280TC	M85274	
14.0	14.14	Output RPM	255	177	124	101	83	62	51	41	7.1	180TC	M85226	R86074
		Output Torque, in-lb.	9073	9689	10160	10093	10172	10478	10632	10841	12492	210TC	M85246	
		Output HP (Max.)	37.2	27.6	20.2	16.4	13.5	10.4	8.71	7.20	1.42	250TC	M85261	
		Input HP (Max.)	38.7	28.7	21.0	17.1	14.1	10.8	9.07	7.45	1.48	280TC	M85275	
		OHL Output Shaft (1)	1200	1550	2050	2450	2900	3250	3570	3600	3600			R86075
		OHL Input Shaft (1)	203	371	460	533	603	707	782	872	872			
17.1	16.89	Output RPM	213	148	104	85	69	52	43	34	5.9	180TC	M85227	R86075
		Output Torque, in-lb.	9421	9844	10104	10196	10517	10673	10843	11107	12408	210TC	M85022	
		Output HP (Max.)	31.5	22.8	16.4	13.5	11.4	8.60	7.25	6.00	1.15	250TC	M85262	
		Input HP (Max.)	32.8	23.8	17.1	14.1	11.9	8.98	7.55	6.23	1.20	280TC	M85276	
		OHL Output Shaft (1)	1360	1900	2470	2900	3150	3550	3600	3600	3600			R86076
		OHL Input Shaft (1)	303	401	501	567	625	737	812	900	900			
20.9	20.55	Output RPM	175	122	85	70	57	42	35	28	4.9	180TC	M85228	R86076
		Output Torque, in-lb.	9709	9979	10203	10538	10466	10844	11063	11353	12663	210TC	M85247	
		Output HP (Max.)	26.5	18.9	13.5	11.4	9.28	7.20	6.04	4.99	0.96			
		Input HP (Max.)	27.6	19.7	14.1	11.9	9.67	7.45	6.29	5.20	1.00			
		OHL Output Shaft (1)	1550	2300	2900	3100	3400	3600	3600	3600	3600			R86077
		OHL Input Shaft (1)	330	420	522	577	655	757	830	917	917			
25.6	25.67	Output RPM	140	97	68	56	46	34	28	23	3.9	56C	M85194	R86077
		Output Torque, in-lb.	9860	10107	10541	10482	10718	11100	11303	11759	12556	140TC	M85206	
		Output HP (Max.)	22.0	15.6	11.4	9.30	7.77	6.00	5.04	4.22	0.778	180TC	M85015	
		Input HP (Max.)	22.9	16.3	11.9	9.67	8.09	6.23	5.25	4.40	0.81	210TC	M85023	
		OHL Output Shaft (1)	1900	2550	3160	3400	3550	3600	3600	3600	3600			R86077
		OHL input Shaft (1)	334	425	518	591	655	757	831	911	911			

NOTE: Shaded ratings are thermally limited. See page APG-84 for thermal capabilities.

(1) At one shaft diameter from the shaft shoulder. Measured in lbs.

On C-Face Reducers using motor frame size 320 and larger, the maximum input RPM is 1750.
Separate Reducers are limited to 2500 input RPM

* Made to Order

APG Reducers - Size 5

TRIPLE REDUCTION - C-FACE AND SEPARATES

RATIO	EXACT RATIO	RATING DATA	RPM INPUT									FRAME SIZE	MODEL NUMBER	
			3600	2500	1750	1430	1170	870	720	580	100		C-FACE	SEPARATE
31.4	31.36	Output RPM	115	80	56	46	37	28	23	18	3.2	56C	M85195	R86124
		Output Torque, in-lb.	6302	7134	8034	8635	9171	10132	10796	11607	12646			
		Output HP (Max.)	11.5	9.00	7.11	6.24	5.42	4.46	3.93	3.40	0.639			
		Input HP (Max.)	12.2	9.59	7.56	6.64	5.77	4.74	4.18	3.62	0.68			
		OHL Output Shaft (1)	2850	3250	3600	3600	3600	3600	3600	3600	3600			
		OHL Input Shaft (1)	633	715	805	860	921	1017	1083	1164	1164			
38.4	37.45	Output RPM	96	67	47	38	31	23	19	15	2.7	56C	M85196	R86125
		Output Torque, in-lb.	6895	7788	9110	9428	10024	11072	11703	11858	12525			
		Output HP (Max.)	10.2	8.00	6.58	5.56	4.84	3.98	3.48	2.84	0.517			
		Input HP (Max.)	10.9	8.55	7.00	5.92	5.15	4.23	3.70	3.02	0.55			
		OHL Output Shaft (1)	3250	3450	3600	3600	3600	3600	3600	3600	3600			
		OHL Input Shaft (1)	651	735	790	884	947	1045	1115	1213	1213			
47.1	45.56	Output RPM	79	55	38	31	26	19	16	13	2.2	56C	M85197	R86126
		Output Torque, in-lb.	7384	8334	9550	10084	10728	11734	11854	12070	12551			
		Output HP (Max.)	8.96	7.00	5.64	4.86	4.23	3.44	2.88	2.36	0.423			
		Input HP (Max.)	9.53	7.47	6.00	5.17	4.50	3.66	3.06	2.51	0.45			
		OHL Output Shaft (1)	3200	3600	3600	3600	3600	3600	3600	3600	3600			
		OHL Input Shaft (1)	669	755	840	909	973	1076	1157	1255	1255			
57.7	56.92	Output RPM	63	44	31	25	21	15	13	10	1.8	56C	M85198	R86127
		Output Torque, in-lb.	7675	8661	9758	10509	11180	11856	12096	12366	12295			
		Output HP (Max.)	7.60	6.00	4.70	4.14	3.60	2.84	2.40	1.97	0.338			
		Input HP (Max.)	8.09	6.34	5.00	4.40	3.83	3.02	2.55	2.10	0.36			
		OHL Output Shaft (1)	3450	3600	3600	3600	3600	3600	3600	3600	3600			
		OHL Input Shaft (1)	688	777	875	935	1000	1111	1191	1289	1289			
70.6	71.67	Output RPM	50	35	24	20	16	12	10	8.1	1.4	56C	M85199	R86128
		Output Torque, in-lb.	9123	9506	10710	11410	11693	12070	12377	12551	12551			
		Output HP (Max.)	7.38	5.30	4.21	3.67	3.07	2.36	2.00	1.64	0.282			
		Input HP (Max.)	7.85	5.68	4.48	3.90	3.27	2.51	2.13	1.74	0.30			
		OHL Output Shaft (1)	3600	3600	3600	3600	3600	3600	3600	3600	3600			
		OHL Input Shaft (1)	601	695	783	838	907	1019	1096	1194	1194			
86.5	85.57	Output RPM	42	29	20	17	14	10	8.4	6.8	1.2	56C	M85200	R86129
		Output Torque, in-lb.	9176	10349	11726	11859	12524	12367	12524	12455	12808			
		Output HP (Max.)	6.06	4.75	3.76	3.11	2.69	1.97	1.65	1.33	0.235			
		Input HP (Max.)	6.45	5.05	4.00	3.31	2.86	2.10	1.76	1.41	0.25			
		OHL Output Shaft (1)	3600	3600	3600	3600	3600	3600	3600	3600	3600			
		OHL Input Shaft (1)	635	718	800	875	939	1061	1142	1245	1245			
105.9	104.11	Output RPM	35	24	17	14	11	8.4	6.9	5.6	0.96	56C	M85201	R86130
		Output Torque, in-lb.	9794	11067	11867	11977	12494	12548	12722	12656	12548			
		Output HP (Max.)	5.28	4.15	3.11	2.57	2.19	1.64	1.37	1.10	0.188			
		Input HP (Max.)	5.62	4.41	3.31	2.73	2.33	1.74	1.46	1.17	0.20			
		OHL Output Shaft (1)	3600	3600	3600	3600	3600	3600	3600	3600	3600			
		OHL Input Shaft (1)	656	741	843	912	979	1098	1179	1282	1282			
129.7	130.07	Output RPM	28	19	13	11	9	6.7	5.5	4.5	0.77	56C	M85202	R86131
		Output Torque, in-lb.	10160	11464	11987	12305	12281	12718	12913	12718	13063			
		Output HP (Max.)	4.47	3.51	2.57	2.15	1.76	1.35	1.14	0.9	0.16			
		Input HP (Max.)	4.76	3.73	2.73	2.29	1.87	1.44	1.21	0.96	0.17			
		OHL Output Shaft (1)	3600	3600	3600	3600	3600	3600	3600	3600	3600			
		OHL Input Shaft (1)	677	765	872	939	1014	1129	1210	1314	1314			

(1) At one shaft diameter from the shaft shoulder. Measured in lbs.
Separate Reducers are limited to 2500 input RPM

APG Reducers - Size 6

SINGLE REDUCTION - C-FACE AND SEPARATES

RATIO	EXACT RATIO	RATING DATA	RPM INPUT									FRAME SIZE	MODEL NUMBER	
			3600	2500	1750	1430	1170	870	720	580	100		C-FACE	SEPARATE
1.22	1.25	Output RPM	2880	2000	1400	1140	935	700	575	465	80	250TC	M85329	R86024
		Output Torque, in-lb.	2407	2773	3229	3241	3291	3395	3454	3521	4175			
		Output HP (Max.)	113	90.2	73.5	60.3	50.1	38.4	32.3	26.6	5.43			
		Input HP (Max.)	115	92.0	75.0	61.5	51.1	39.2	33.0	27.1	5.54			
		OHL Output Shaft (1)	1676	1700	1750	1935	2009	2140	2164	2209	2610			
		OHL Input Shaft (1)	201	124	183	336	642	777	875	996	996			
1.50	1.48	Output RPM	2430	1690	1180	965	790	585	485	390	65	250TC	M85330	R86025
		Output Torque, in-lb.	2702	3094	3256	3311	3389	3472	3526	3594	4271			
		Output HP (Max.)	103	81.8	60.3	50.1	41.9	31.9	26.9	22.1	4.52			
		Input HP (Max.)	105	83.5	61.5	51.1	42.8	32.6	27.4	22.5	4.61			
		OHL Output Shaft(1)	1735	1810	1964	2075	2114	2200	2214	2259	2669			
		OHL Input Shaft (1)	177	128	529	636	719	863	964	1087	1087			
1.84	1.88	Output RPM	1910	1330	930	760	620	460	380	310	53	250TC	M85331	R86026
		Output Torque, in-lb.	2904	3191	3318	3401	3468	3540	3599	3664	4387			
		Output HP (Max.)	90.2	68.8	50.1	41.9	35.0	26.6	22.3	18.3	3.78			
		input HP (Max.)	92.0	70.2	51.1	42.8	35.7	27.1	22.8	18.7	3.86			
		OHL Output Shaft (1)	1826	2025	2083	2140	2163	2225	2275	2313	2732			
		OHL Input Shaft (1)	116	270	589	666	753	902	1002	1127	1127			
2.25	2.27	Output RPM	1590	1100	770	630	515	385	315	255	44	180TC	M85297	R86027
		Output Torque, in-lb.	3088	3269	3399	3469	3504	3594	3667	3738	4447			
		Output HP (Max.)	78.4	57.6	41.9	35.0	28.9	22.1	18.6	15.3	3.14			
		input HP (Max.)	80.0	58.6	42.8	35.7	29.5	22.5	19.0	15.6	3.20			
		OHL Output Shaft (1)	1919	2060	2128	2165	2211	2273	2315	2364	2792			
		OHL Input Shaft (1)	180	505	623	714	809	955	1053	1178	1178			
2.76	2.79	Output RPM	1290	895	630	515	420	310	260	208	36	250TC	M85333	R86028
		Output Torque, in-lb.	3201	3336	3473	3512	3535	3659	3735	3815	4562			
		Output HP (Max.)	66.3	48.0	35.0	28.9	23.8	18.3	15.48	12.7	2.63			
		Input HP (Max.)	67.7	49.0	35.7	29.5	24.3	18.7	15.80	13.0	2.68			
		OHL Output Shaft (1)	2019	2110	2172	2225	2261	2323	2385	2414	2850			
		OHL Input Shaft (1)	239	528	655	744	843	982	1080	1204	1204			
3.38	3.33	Output RPM	1080	750	525	430	350	260	215	175	30	180TC	M85298	R86029
		Output Torque, in-lb.	3283	3402	3568	3542	3670	3738	3822	3918	4565			
		Output HP (Max.)	55.6	40.0	29.4	23.8	20.2	15.3	12.94	10.7	2.15			
		Input HP (Max.)	56.7	40.8	30.0	24.3	20.6	15.6	13.2	10.9	2.19			
		OHL Output Shaft(1)	2072	2145	2200	2265	2335	2371	2425	2463	2912			
		OHL Input Shaft(1)	438	565	680	791	869	1022	1120	1241	1241			
4.13	4.06	Output RPM	890	615	430	350	290	215	177	142	25	180TC	M85299	R86030
		Output Torque, in-lb.	3348	3462	3546	3678	3666	3815	3901	4028	4647			
		Output HP (Max.)	46.3	33.2	23.8	20.2	16.5	12.7	10.78	8.97	1.78			
		Input HP (Max.)	47.2	33.9	24.3	20.6	16.8	13.0	11.00	9.15	1.82			
		OHL Output Shaft (1)	2116	2191	2280	2307	2360	2422	2490	2515	2971			
		OHL Input Shaft(1)	468	589	730	802	907	1045	1144	1260	1260			
5.06	5.07	Output RPM	710	490	345	280	230	172	142	114	20	56C	M85277	R86031
		Output Torque, in-lb.	3403	3525	3679	3672	3766	3916	4019	4187	4594			
		Output HP (Max.)	38.4	27.6	20.2	16.5	13.8	10.7	9.07	7.61	1.44			
		Input HP (Max.)	39.2	28.2	20.6	16.8	14.1	10.9	9.26	7.77	1.47			
		OHL Output Shaft (1)	2160	2265	2311	2360	2410	2470	2520	2564	3036			
		OHL Input Shaft (1)	473	593	721	820	906	1044	1140	1249	1249			

NOTE: Shaded ratings are thermally limited. See page APG-84 for thermal capabilities.

(1) At one shaft diameter from the shaft shoulder. Measured in lbs.

On C-Face Reducers using motor frame size 320 and larger, the maximum input RPM is 1750
Separate Reducers are limited to 2500 input RPM.

APG Reducers - Size 6

DOUBLE REDUCTION - C-FACE AND SEPARATES

RATIO	EXACT RATIO	RATING DATA	RPM INPUT									FRAME SIZE	MODEL NUMBER	
			3600	2500	1750	1430	1170	870	720	580	100		C-FACE	SEPARATE
4.13	4.17	Output RPM	865	600	420	340	280	210	173	139	24	210TC	*	R86078
		Output Torque, in-lb.	8329	9296	10700	10991	11106	11460	11557	12063	13993	250TC	M85337	
		Output HP (Max.)	115.2	89.28	72.0	60.38	49.92	38.3	31.97	26.88	5.38	280TC	M85359	
		Input HP (Max.)	120.0	93.0	75.0	62.9	52.0	39.9	33.3	28.0	5.60	320TC	M85377	
		OHL Output Shaft(1)	1630	1830	2000	2200	2450	2800	3000	3200	5500	360TC	M85387	
		OHL Input Shaft (1)	5	68	183	200	575	760	865	960	960			
5.06	4.94	Output RPM	730	505	355	290	235	176	146	117	20	210TC	*	R86079
		Output Torque, in-lb.	9099	10409	11371	11839	12089	12422	12671	12879	15185	250TC	M85338	
		Output HP (Max.)	102.72	81.6	62.4	53.09	44.35	33.89	28.61	23.42	4.76	280TC	M85360	
		Input HP (Max.)	107.0	85.0	65.0	55.3	46.2	35.3	29.8	24.4	4.96	320TC	M85378	
		OHL Output Shaft(1)	1700	1920	2200	2400	2600	2900	3180	3400	5500	360TC	M85388	
		OHL Input Shaft(1)	90	34	217	395	650	790	880	1000	1000			
6.20	6.33	Output RPM	570	395	275	225	185	137	114	92	16	210TC	*	R86080
		Output Torque, in-lb.	11983	13805	16085	16133	16384	16902	17193	17527	20782	250TC	M85339	
		Output HP (Max.)	110.0	88.3	72.0	59.0	49.1	37.6	31.7	26.0	5.32	280TC	M85361	
		Input HP (Max.)	115.0	92.0	75.0	61.5	51.1	39.2	33.0	27.1	5.54	320TC	M85379	
		OHL Output Shaft (1)	1530	1790	2000	2350	2550	2900	3150	3400	5500	360TC	M85389	
		OHL Input Shaft (1)	201	124	183	336	642	777	875	996	996			
7.59	7.51	Output RPM	480	330	235	190	156	116	96	77	13	210TC	*	R86081
		Output Torque, in-lb.	13394	15338	16138	16410	16799	17208	17476	17815	21170	250TC	M85340	
		Output HP (Max.)	101.0	80.2	59.0	49.1	41.1	31.3	26.3	21.6	4.43	280TC	M85362	
		Input HP (Max.)	105.0	83.5	61.5	51.1	42.8	32.6	27.4	22.5	4.61	320TC	M85380	
		OHL Output Shaft (1)	1600	1950	2350	2550	2600	3150	3400	3750	5500	360TC	M85390	
		OHL Input Shaft (1)	177	128	529	636	719	863	964	1087	1087			
9.30	9.53	Output RPM	380	260	184	150	123	91	76	61	10	210TC	*	R86082
		Output Torque, in-lb.	14380	15800	16430	16841	17169	17527	17818	18142	21720	250TC	M85341	
		Output HP (Max.)	88.3	67.4	49.1	41.1	34.3	26.0	21.9	18.0	3.71	280TC	M85363	
		Input HP (Max.)	92.0	70.2	51.1	42.8	35.7	27.1	22.8	18.7	3.86	320TC	M85381	
		OHL Output Shaft(1)	1800	2150	2550	2800	3000	3400	3650	4100	5500	360TC	M85391	
		OHL Input Shaft(1)	116	270	589	666	753	902	1002	1127	1127			
11.4	11.52	Output RPM	315	215	152	124	102	76	63	50	8.7	180TC	M85301	R86083
		Output Torque, in-lb.	15314	16209	16854	17204	17376	17823	18186	18536	22052	210TC	M85317	
		Output HP (Max.)	76.8	56.4	41.1	34.3	28.3	21.6	18.2	15.0	3.07	250TC	M85342	
		Input HP (Max.)	80.0	58.8	42.8	35.7	29.5	22.5	19.0	15.6	3.20	280TC	M85364	
		OHL Output Shaft (1)	2000	2400	2800	3000	3300	3750	4100	4400	5500	320TC	M85382	
		OHL Input Shaft(1)	180	505	623	714	809	955	1053	1178	1178	360TC	M85392	
14.0	14.14	Output RPM	255	177	124	101	83	62	51	41	7.1			R86084
		Output Torque, in-lb.	15872	16543	17218	17412	17530	18142	18522	18918	22620			
		Output HP (Max.)	65.0	47.0	34.3	28.3	23.3	18.0	15.17	12.5	2.57	250TC	M85343	
		Input HP (Max.)	67.7	49.0	35.7	29.5	24.3	18.7	15.8	13.0	2.68	280TC	M85365	
		OHL Output Shaft(1)	2200	2600	3000	3300	3650	4100	4450	4800	5500			
		OHL Input Shaft(1)	239	528	655	744	843	982	1080	1204	1204			
17.1	16.89	Output RPM	213	148	104	85	69	52	43	34	5.9			R86085
		Output Torque, in-lb.	16286	16875	17790	17571	18206	18541	18957	19432	22645	180TC	M85302	
		Output HP (Max.)	54.4	39.2	28.8	23.3	19.8	15.0	12.67	10.5	2.10	210TC	M85318	
		Input HP (Max.)	56.7	40.8	30.0	24.3	20.6	15.6	13.2	10.9	2.19	250TC	M85344	
		OHL Output Shaft (1)	2450	2850	3200	3600	3900	4500	4750	5250	5500	280TC	M85366	
		OHL Input Shaft(1)	438	565	680	791	869	1022	1120	1241	1241			
20.9	20.55	Output RPM	175	122	85	70	57	42	35	28	4.9			R86086
		Output Torque, in lb.	16603	17172	18000	18243	18183	18922	19347	19978	23048	180TC	M85303	
		Output HP (Max.)	45.3	32.5	24.0	19.8	16.1	12.5	10.56	8.78	1.75	210TC	M85319	
		Input HP (Max.)	47.2	33.9	25.0	20.6	16.8	13.0	11.0	9.15	1.82	250TC	M85345	
		OHL Output Shaft (1)	2700	3100	3500	3900	4300	4800	5200	5500	5500	280TC	M85367	
		OHL Input Shaft (1)	468	589	700	802	907	1045	1144	1260	1260			
25.6	25.67	Output RPM	140	97	68	56	46	34	28	23	3.9	56C	M85278	R86087
		Output Torque, in lb.	16879	17485	18675	18211	18681	19421	19936	20766	22787	140TC	M85288	
		Output HP (Max.)	37.6	27.1	20.2	16.1	13.5	10.5	8.89	7.46	1.41	180TC	M85304	
		Input HP (Max.)	39.2	28.2	21.0	16.8	14.1	10.9	9.26	7.77	1.47	210TC	M85320	
		OHL Output Shaft (1)	2900	3400	3850	4300	4650	5250	5500	5500	5500	250TC	M85346	
		OHL Input Shaft (1)	473	593	700	820	906	1044	1140	1249	1249	280TC	M85368	

NOTE: Shaded ratings are thermally limited. See page APG-84 for thermal capabilities.

(1) At one shaft diameter from the shaft shoulder. Measured in lbs.

On C-Face Reducers using motor frame size 320 and larger, the maximum input RPM is 1750
Separate Reducers are limited to 2500 input RPM.

* Made to Order

APG Reducers - Size 6

TRIPLE REDUCTION - C-FACE AND SEPARATES

RATIO	EXACT RATIO	RATING DATA	RPM INPUT									FRAME SIZE	MODEL NUMBER	
			3600	2500	1750	1430	1170	870	720	580	100		C-FACE	SEPARATE
31.4	31.98	Output RPM	113	78	55	45	37	27	23	18	3.1	56C	M85279	R86132
		Output Torque, in-lb.	11421	13137	15058	16334	18247	19943	20611	20713	23432	140TC	M85289	
		Output HP (Max.)	20.78	16.6	13.3	11.8	10.8	8.77	7.50	6.07	1.18	180TC	M85305	
		Input HP (Max.)	22.1	17.7	14.2	12.6	11.5	9.33	7.98	6.46	1.26	210TC	M85321	
		OHL Output Shaft (1)	3550	4000	4500	4800	5100	5500	5500	5500	5500	250TC	M85347	
		OHL Input Shaft(1)	834	937	1049	1118	1178	1305	1403	1538	1538	280TC	M85369	
38.4	38.18	Output RPM	94	65	46	37	31	23	19	15	2.6	56C	M85280	R86133
		Output Torque, in-lb.	12949	14894	17073	18521	19815	20758	20622	20967	23229	140TC	M85290	
		Output HP (Max.)	19.24	15.4	12.3	10.9	9.57	7.45	6.13	5.02	0.959	180TC	M85306	
		Input HP (Max.)	20.5	16.4	13.1	11.6	10.2	7.93	6.52	5.34	1.02	210TC	M85322	
		OHL Output Shaft (1)	3750	4250	4750	5050	5400	5500	5500	5500	5500	250TC	M85348	
		OHL Input Shaft(1)	852	957	1073	1143	1222	1368	1483	1614	1614	280TC	M85370	
47.1	46.46	Output RPM	77	54	38	31	25	19	15	12	2.2	56C	M85281	R86134
		Output Torque, in-lb.	13868	15943	18265	19856	20239	20710	20919	21352	23150	140TC	M85291	
		Output HP (Max.)	16.83	13.4	10.8	9.57	7.98	6.07	5.08	4.17	0.78	180TC	M85307	
		Input HP (Max.)	17.9	14.3	11.5	10.2	8.49	6.46	5.40	4.44	0.83	210TC	M85323	
		OHL Output Shaft (1)	4100	4550	5100	5400	5500	5500	5500	5500	5500	250TC	M85349	
		OHL Input Shaft(1)	880	989	1110	1183	1279	1434	1544	1675	1675	280TC	M85371	
57.7	58.04	Output RPM	62	43	30	25	20	15	12	10	1.7	56C	M85282	R86135
		Output Torque, in-lb.	14440	16599	19480	20277	20638	20963	21441	22023	22883	140TC	M85292	
		Output HP (Max.)	14.31	11.4	9.40	7.98	6.65	5.02	4.25	3.52	0.63	180TC	M85308	
		Input HP (Max.)	15.2	12.2	10.0	8.49	7.07	5.34	4.52	3.74	0.67	210TC	M85324	
		OHL Output Shaft (1)	4350	4900	5400	5500	5500	5500	5500	5500	5500	250TC	M85350	
		OHL Input Shaft(1)	909	1023	1100	1229	1326	1485	1592	1722	1722	280TC	M85372	
70.6	71.67	Output RPM	50	35	24	20	16	12	10	8.1	1.4	56C	M85283	R86136
		Output Torque, in-lb.	16584	19296	20297	20685	20633	22746	22081	22650	23011	140TC	M85293	
		Output HP (Max.)	13.41	10.8	7.98	6.65	5.42	4.45	3.57	2.95	0.517	180TC	M85309	
		Input HP (Max.)	14.3	11.5	8.49	7.07	5.77	4.73	3.80	3.14	0.55	210TC	M85325	
		OHL Output Shaft (1)	4600	5150	5500	5500	5500	5500	5500	5500	5500	210TC	M85325	
		OHL Input Shaft(1)	790	882	1018	1106	1208	1334	1458	1586	1586			
86.5	85.57	Output RPM	42	29	20	17	14	10	8.4	6.8	1.2	56C	M85284	R86137
		Output Torque, in-lb.	18259	19838	20698	20923	21150	22025	22344	22790	24080	140TC	M85294	
		Output HP (Max.)	12.06	9.10	6.65	5.49	4.54	3.52	2.95	2.43	0.442	180TC	M85310	
		Input HP (Max.)	12.8	9.68	7.07	5.84	4.83	3.74	3.14	2.58	0.47	210TC	M85326	
		OHL Output Shaft (1)	4850	5500	5500	5500	5500	5500	5500	5500	5500	210TC	M85326	
		OHL Input Shaft(1)	818	935	1076	1168	1266	1416	1524	1655	1655			
105.9	104.11	Output RPM	35	24	17	14	11	8.4	6.9	5.6	0.96	56C	M85285	R86138
		Output Torque, in-lb.	19397	20453	21530	21191	21771	22644	22656	22932	23213	140TC	M85295	
		Output HP (Max.)	10.46	7.66	5.64	4.54	3.82	2.95	2.44	1.99	0.348	180TC	M85311	
		Input HP (Max.)	11.1	8.15	6.00	4.83	4.06	3.14	2.60	2.12	0.37	210TC	M85327	
		OHL Output Shaft (1)	5200	5500	5500	5500	5500	5500	5500	5500	5500	210TC	M85327	
		OHL Input Shaft (1)	852	979	1100	1219	1314	1466	1578	1712	1712			
129.7	130.07	Output RPM	28	19	13	11	9	6.7	5.5	4.5	0.77	56C	M85286	R86139
		Output Torque, in-lb.	19914	20408	21930	21816	21935	22787	22945	23052	23820	140TC	M85296	
		Output HP (Max.)	8.77	6.24	4.70	3.82	3.14	2.43	2.02	1.64	0.291	180TC	M85312	
		Input HP (Max.)	9.33	6.64	5.00	4.06	3.34	2.58	2.15	1.74	0.31	210TC	M85328	
		OHL Output Shaft (1)	5500	5500	5500	5500	5500	5500	5500	5500	5500	210TC	M85328	
		OHL Input Shaft(1)	888	1023	1100	1258	1358	1512	1623	1759	1759			

(1) At one shaft diameter from the shaft shoulder. Measured in lbs.

Separate Reducers are limited to 2500 input RPM.

APG Reducers - Size 7

SINGLE REDUCTION - C-FACE AND SEPARATES

RATIO	EXACT RATIO	RATING DATA	RPM INPUT								FRAME SIZE	MODEL NUMBER	
			2500	1750	1430	1170	870	720	580	100		C-FACE	SEPARATE
1.22	1.21	Output RPM	2065	1450	1180	965	720	595	480	83	180TC	*	R86032
		Output Torque, in-lb.	5516	6027	6113	6209	6418	6520	6678	7799	210TC	*	
		Output HP (Max.)	179	137	113.7	94.5	72.6	61.1	50.4	10.1	250TC	*	
		Input HP (Max.)	183	140	116	96.4	74.1	62.3	51.4	10.4	280TC	*	
		OHL Output Shaft (1)	2150	2150	2400	2537	2800	2954	3119	4048	320TC	M85453	
		OHL Input Shaft (1)	131	580	794	923	1117	1261	1430	1430	360TC	M85475	
1.50	1.50	Output RPM	1665	1165	955	780	580	480	385	67	180TC	*	R86033
		Output Torque, in-lb.	5929	6586	6738	6881	7082	7206	7364	8579	210TC	*	
		Output HP (Max.)	157	122	101.9	85.2	65.2	54.9	45.2	9.07	250TC	*	
		Input HP (Max.)	160	125	104	86.9	66.5	56.0	46.1	9.26	280TC	*	
		OHL Output Shaft (1)	2400	2400	2600	2765	3000	3175	3341	4129	320TC	M85454	
		OHL Input Shaft (1)	227	460	782	903	1103	1244	1416	1416	360TC	M85476	
1.84	1.88	Output RPM	1330	930	760	620	460	380	310	53	180TC	*	R86034
		Output Torque, in-lb.	6273	7014	7327	7547	7733	7861	8014	9376	210TC	*	
		Output HP (Max.)	135	106	90.4	76.1	58.0	48.8	40.1	8.08	250TC	M85413	
		Input HP (Max.)	138	108	92.2	77.7	59.2	49.8	40.9	8.25	280TC	M85433	
		OHL Output Shaft (1)	2620	2711	2900	2969	3228	3340	3504	4209	320TC	M85455	
		OHL Input Shaft(1)	288	389	636	868	1074	1216	1391	1391	360TC	M85477	
2.25	2.26	Output RPM	1105	775	630	515	385	320	255	44	180TC	*	R86035
		Output Torque, in-lb.	6671	7520	7794	7863	8051	8184	8338	9603	210TC	*	
		Output HP (Max.)	118	92.8	78.6	64.9	49.4	41.6	34.1	6.77	250TC	M85414	
		Input HP (Max.)	120	94.7	80.2	66.2	50.4	42.4	34.8	6.91	280TC	M85434	
		OHL Output Shaft (1)	2800	2899	3000	3189	3389	3631	3631	4298	320TC	M85456	
		OHL Input Shaft (1)	438	485	792	930	1138	1281	1458	1458	360TC	M85478	
2.76	2.79	Output RPM	895	625	515	420	310	260	210	36	180TC	*	R86036
		Output Torque, in-lb.	6809	7801	7880	7915	8179	8322	8482	9584	210TC	*	
		Output HP (Max.)	98	78.6	64.9	53.3	41.0	34.5	28.3	5.52	250TC	M85415	
		Input HP (Max.)	100	80.2	66.2	54.4	41.8	35.2	28.9	5.63	280TC	M85435	
		OHL Output Shaft(1)	2900	3058	3189	3384	3572	3725	3713	4402	320TC	M85457	
		OHL Input Shaft (1)	630	563	843	987	1184	1327	1504	1504	360TC	M85479	
3.38	3.33	Output RPM	750	525	430	350	260	215	174	30	180TC	*	R86037
		Output Torque, in-lb.	7504	7886	7930	8196	8338	8483	8734	9589	210TC	*	
		Output HP (Max.)	88.2	64.9	53.3	45.1	34.1	28.7	23.8	4.51	250TC	M85416	
		Input HP (Max.)	90.0	66.2	54.4	46.0	34.8	29.3	24.3	4.60	280TC	M85436	
		OHL Output Shaft(1)	3023	3243	3450	3600	3649	3750	3793	4506	320TC	M85458	
		OHL Input Shaft (1)	429	795	929	1038	1257	1402	1567	1567	360TC	M85480	
4.13	4.06	Output RPM	615	430	350	290	215	177	142	25	180TC	*	R86038
		Output Torque, in-lb.	7772	7937	8214	8184	8482	8688	8937	9703	210TC	*	
		Output HP (Max.)	74.6	53.3	45.1	36.8	28.3	24.0	19.9	3.72	250TC	M85417	
		Input HP (Max.)	76.1	54.4	46.0	37.5	28.9	24.5	20.3	3.80	280TC	M85437	
		OHL Output Shaft (1)	3192	3500	3552	3650	3731	3800	3875	4604	320TC	M85459	
		OHL Input Shaft (1)	547	851	952	1107	1304	1440	1607	1607	360TC	M85481	
5.06	5.07	Output RPM	490	345	280	230	172	142	114	20	180TC	M85393	R86039
		Output Torque, in-lb.	7901	8215	8196	8388	8729	8898	9268	9657	210TC	M85403	
		Output HP (Max.)	61.9	45.1	36.8	30.8	23.8	20.1	16.9	3.03	250TC	M85418	
		Input HP (Max.)	63.2	46.0	37.5	31.4	24.3	20.5	17.2	3.09	280TC	M85438	
		OHL Output Shaft (1)	3450	3591	3638	3725	3809	3875	3953	4709	320TC	M85460	
		OHL Input Shaft (1)	586	839	984	1106	1298	1441	1591	1591	360TC	M85482	

NOTE: Shaded ratings are thermally limited. See page APG-84 for thermal capabilities.

(1) At one shaft diameter from the shaft shoulder. Measured in lbs.

On C-Face Reducers using motor frame size 320 and larger, the maximum input RPM is 1750.

Separate Reducers are limited to 1750 input RPM.

* Made to Order

APG Reducers - Size 7

DOUBLE REDUCTION - C-FACE AND SEPARATES

RATIO	EXACT RATIO	RATING DATA	RPM INPUT								FRAME SIZE	MODEL NUMBER	
			2500	1750	1430	1170	870	720	580	100		C-FACE	SEPARATE
4.13	4.02	Output RPM	620	435	355	290	215	180	144	25	180TC	*	R86088
		Output Torque, in-lb.	18491	20419	20794	21080	21743	21899	22920	26737	210TC	*	
		Output HP (Max.)	177.6	137.28	114.24	94.75	72.67	60.58	51.07	10.27	250TC	*	
		Input HP (Max.)	185	143	119	98.7	75.7	63.1	53.2	10.7	280TC	*	
		OHL Output Shaft (1)	2400	2750	2900	3200	3750	4000	4200	8550	320TC	M85461	
		OHL Input Shaft(1)	43	225	700	890	1085	1240	1375	1375	360TC	M85483	
5.06	5.00	Output RPM	500	350	285	235	174	144	116	20	180TC	*	R86089
		Output Torque, in-lb.	19961	22568	22694	23315	23964	24364	25125	29390	210TC	*	
		Output HP (Max.)	156.48	123.84	101.76	85.54	65.38	55.01	45.7	9.22	250TC	*	
		Input HP (Max.)	163	129	106	89.1	68.1	57.3	47.6	9.60	280TC	*	
		OHL Output Shaft (1)	2550	2850	3200	3400	3900	4160	4550	8730	320TC	M85462	
		OHL Input Shaft(1)	78	53	640	865	1065	1210	1365	1365	360TC	M85484	
6.20	6.11	Output RPM	410	285	235	191	142	118	95	16	180TC	*	R86090
		Output Torque, in-lb.	27459	30000	30430	30908	31950	32459	33244	38825	210TC	*	
		Output HP (Max.)	176	134	111.4	92.5	71.1	59.8	49.3	9.94	250TC	*	
		Input HP (Max.)	183	140	116	96.4	74.1	62.3	51.4	10.4	280TC	*	
		OHL Output Shaft (1)	2150	2750	3000	3250	3850	4250	4650	8730	320TC	M85463	
		OHL Input Shaft(1)	131	580	794	923	1117	1261	1430	1430	360TC	M85496	
7.59	7.60	Output RPM	330	230	188	154	114	95	76	13	180TC	*	R86091
		Output Torque, in-lb.	29390	34730	33398	34108	35102	35718	36500	42524	210TC	*	
		Output HP (Max.)	154	120	99.8	83.4	63.8	53.8	44.3	8.89	250TC	*	
		Input HP (Max.)	160	125	104	86.9	66.5	56.0	46.1	9.26	280TC	*	
		OHL Output Shaft (1)	2250	2700	3100	3500	4200	4450	4850	8730	320TC	M85464	
		OHL Input Shaft (1)	227	460	782	903	1103	1244	1416	1416	360TC	M85485	
9.30	9.55	Output RPM	260	183	150	123	91	75	61	10	180TC	*	R86092
		Output Torque, in-lb.	31060	34726	36280	37368	38289	38919	39679	46422	210TC	*	
		Output HP (Max.)	132	104	88.5	74.6	56.8	47.8	39.3	7.92	250TC	M85419	
		Input HP (Max.)	138	108	92.2	77.7	59.2	49.8	40.9	8.25	280TC	M85439	
		OHL Output Shaft (1)	2750	3000	3350	3750	4350	4750	5200	8730	320TC	M85465	
		OHL Input Shaft (1)	288	389	636	868	1074	1216	1391	1391	360TC	M85486	
11.4	11.46	Output RPM	220	153	125	102	76	63	51	8.7	180TC	*	R86093
		Output Torque, in-lb.	33079	37292	38650	38992	39923	40583	41348	47620	210TC	*	
		Output HP (Max.)	115	90.9	77.0	63.6	48.4	40.7	33.4	6.63	250TC	M85420	
		Input HP (Max.)	120	94.7	80.2	66.2	50.4	42.4	34.8	6.91	280TC	M85440	
		OHL Output Shaft (1)	2950	3250	3700	4100	4650	5100	5550	8730	320TC	M85466	
		OHL Input Shaft (1)	438	485	792	930	1138	1281	1458	1458	360TC	M85487	
14.0	14.14	Output RPM	177	124	101	83	62	51	41	7.1	180TC	*	R86094
		Output Torque, in-lb.	33761	38681	39073	39244	40552	41264	42056	47519	210TC	*	
		Output HP (Max.)	96.0	77.0	63.6	52.2	40.1	33.8	27.7	5.40	250TC	M85421	
		Input HP (Max.)	100	80.2	66.2	54.4	41.8	35.2	28.9	5.63	280TC	M85441	
		OHL Output Shaft (1)	3200	3700	4100	4500	5150	5550	6100	8730	320TC	M85467	
		OHL Input Shaft (1)	630	563	843	987	1184	1327	1504	1504	360TC	M85488	
17.1	16.89	Output RPM	148	104	85	69	52	43	34	5.9	180TC	*	R86095
		Output Torque, in-lb.	37224	39115	39336	40654	41361	42079	43322	47565	210TC	*	
		Output HP (Max.)	86.4	63.6	52.2	44.2	33.4	28.1	23.3	4.42	250TC	M85422	
		Input HP (Max.)	90.0	66.2	54.4	46.0	34.8	29.3	24.3	4.60	280TC	M85442	
		OHL Output Shaft (1)	3400	4100	4500	4900	5550	6000	6600	8730	320TC	M85468	
		OHL Input Shaft (1)	429	795	929	1038	1257	1402	1567	1567	360TC	M85489	
20.9	20.55	Output RPM	122	85	70	57	42	35	28	4.9	180TC	*	R86096
		Output Torque, in-lb.	38548	40275	40736	40588	42066	43091	44322	48121	210TC	*	
		Output HP (Max.)	73.1	53.7	44.2	36.0	27.7	23.5	19.5	3.65	250TC	M85423	
		Input HP (Max.)	76.1	56.0	46.0	37.5	28.9	24.5	20.3	3.80	280TC	M85443	
		OHL Output Shaft (1)	3800	4400	4900	5400	6100	6550	7050	8730	320TC	M85469	
		OHL In Shaft 1	547	825	952	1107	1304	1440	1607	1607	360TC	M85490	
25.6	25.67	Output RPM	97	68	56	46	34	28	23	3.9	180TC	M85394	R86097
		Output Torque, in lb.	39187	40746	40650	41601	43296	44135	45969	47898	210TC	M85404	
		Output HP (Max.)	60.7	44.2	36.0	30.1	23.3	19.7	16.5	2.97	250TC	M85424	
		Input HP (Max.)	63.2	46.0	37.5	31.4	24.3	20.5	17.2	3.09	280TC	M85444	
		OHL Output Shaft (1)	4200	4900	5400	5900	6600	7000	7650	8730	320TC	M85470	
		OHL Input Shaft (1)	586	839	984	1106	1298	1441	1591	1591	360TC	M85491	

NOTE: Shaded ratings are thermally limited. See page APG-84 for thermal capabilities.

(1) At one shaft diameter from the shaft shoulder. Measured in lbs.

On C-Face Reducers using motor frame size 320 and larger, the maximum input RPM is 1750.

Separate Reducers are limited to 1750 input RPM.

* Made to Order

APG Reducers - Size 7

TRIPLE REDUCTION - C-FACE AND SEPARATES

RATIO	EXACT RATIO	RATING DATA	RPM INPUT								FRAME SIZE	MODEL NUMBER	
			2500	1750	1430	1170	870	720	580	100		C-FACE	SEPARATE
31.4	32.15	Output RPM	78	54	44	36	27	22	18	3.10	180TC	M85395	R86140
		Output Torque, in-lb.	28430	30286	31939	33696	35911	37710	39886	49095	210TC	M85405	
		Output HP (Max.)	35.90	26.80	23.10	19.90	15.80	13.70	11.70	2.48	250TC	M85425	
		Input HP (Max.)	38.20	28.50	24.60	21.20	16.80	14.60	12.40	2.64	280TC	M85445	
		OHL Output Shaft (1)	5250	6000	6450	6900	7600	8200	8730	8730	320TC	M85471	
		OHL Input Shaft (1)	1328	1524	1639	1759	1962	2101	2269	2269	360TC	M85492	
38.4	38.38	Output RPM	65.00	46	37	30	23	19	15	2.60	180TC	M85396	R86141
		Output Torque, in-lb.	30106	32598	34510	36204	38741	40486	42405	48735	210TC	M85406	
		Output HP (Max.)	31.10	23.50	20.40	17.50	13.90	12.00	10.20	2.01	250TC	M85426	
		Input HP (Max.)	33.10	25.10	21.70	18.60	14.80	12.80	10.80	2.14	280TC	M85446	
		OHL Output Shaft (1)	5600	6400	6850	7400	8150	8730	8730	8730	320TC	M85472	
		OHL Input Shaft (1)	1393	1587	1702	1830	2036	2179	2357	2357	360TC	M85493	
47.1	46.70	Output RPM	54	37	31	25	19	15	12	2.10	180TC	M85397	R86142
		Output Torque, in-lb.	32076	35192	36884	38381	41357	43000	45829	48253	210TC	M85407	
		Output HP (Max.)	27.00	20.80	17.80	15.10	12.10	10.40	8.96	1.63	250TC	M85427	
		Input HP (Max.)	28.80	22.10	18.90	16.10	12.90	11.10	9.53	1.73	280TC	M85447	
		OHL Output Shaft (1)	6050	6800	7300	7900	8730	8730	8730	8730	320TC	M85473	
		OHL Input Shaft (1)	1446	1640	1762	1897	2103	2252	2425	2425	360TC	M85494	
57.7	58.34	Output RPM	43	30	25	20	15	12	10	1.70	180TC	M85398	R86143
		Output Torque, in-lb.	34168	38960	39002	40284	43968	46535	49111	47815	210TC	M85408	
		Output HP (Max.)	23.50	18.80	15.40	13.00	10.50	9.22	7.84	1.32	250TC	M85428	
		Input HP (Max.)	25.00	20.00	16.30	13.80	11.20	9.81	8.34	1.40	280TC	M85448	
		OHL Output Shaft (1)	6500	7200	7800	8500	8730	8730	8730	8730	320TC	M85474	
		OHL Input Shaft (1)	1493	1600	1819	1958	2165	2309	2489	2489	360TC	M85495	
70.6	71.67	Output RPM	35	24	20	16	12	10	8.10	1.40	180TC	M85399	R86144
		Output Torque, in-lb.	33972	36937	38181	40407	44146	47184	48835	46858	210TC	M85409	
		Output HP (Max.)	19.10	14.50	12.30	10.60	8.63	7.63	6.36	1.05	250TC	M85429	
		Input HP (Max.)	20.30	15.50	13.10	11.30	9.18	8.12	6.77	1.12	280TC	M85449	
		OHL Output Shaft (1)	7000	7950	8600	8730	8730	8730	8730	8730	320TC	M85475	
		OHL Input Shaft (1)	1338	1525	1650	1769	1960	2085	2267	2267	360TC	M85496	
86.5	85.57	Output RPM	29	20	17	14	10	8.40	6.80	1.20	180TC	M85400	R86145
		Output Torque, in-lb.	36355	38967	41739	43746	48113	48814	48849	50721	210TC	M85410	
		Output HP (Max.)	16.70	12.50	11.00	9.39	7.68	6.45	5.20	.931	250TC	M85430	
		Input HP (Max.)	17.70	13.30	11.70	9.99	8.17	6.86	5.53	.99	280TC	M85450	
		OHL Output Shaft (1)	7450	8550	8730	8730	8730	8730	8730	8730	320TC	M85476	
		OHL Input Shaft (1)	1397	1596	1706	1834	2027	2186	2390	2390	360TC	M85497	
105.9	104.11	Output RPM	24	17	14	11	8.40	6.90	5.60	0.96	180TC	M85401	R86146
		Output Torque, in-lb.	38823	42555	44575	47564	47883	48884	49109	48309	210TC	M85411	
		Output HP (Max.)	14.50	11.20	9.55	8.34	6.24	5.27	4.27	.724	250TC	M85431	
		Input HP (Max.)	15.50	11.90	10.20	8.87	6.64	5.61	4.54	.77	280TC	M85451	
		OHL Output Shaft (1)	8050	8730	8730	8730	8730	8730	8730	8730	320TC	M85477	
		OHL Input Shaft (1)	1449	1643	1766	1889	2128	2286	2488	2488	360TC	M85498	
129.7	130.07	Output RPM	19	13	11	9.00	6.70	5.50	4.50	0.77	180TC	M85402	R86147
		Output Torque, in-lb.	41401	45401	48790	48796	47870	49412	49150	49177	210TC	M85412	
		Output HP (Max.)	12.70	9.72	8.54	6.98	5.09	4.35	3.49	.602	250TC	M85432	
		Input HP (Max.)	13.50	10.30	9.08	7.43	5.42	4.63	3.71	.64	280TC	M85452	
		OHL Output Shaft (1)	8600	8730	8730	8730	8730	8730	8730	8730	320TC	M85478	
		OHL Input Shaft (1)	1496	1694	1810	1960	2208	2364	2570	2570	360TC	M85499	

(1) At one shaft diameter from the shaft shoulder. Measured in lbs.
 On C-Face Reducers using motor frame size 320 and larger, the maximum input RPM is 1750.
 Separate Reducers are limited to 1750 input RPM.

APG Reducers - Size 8

SINGLE REDUCTION - C-FACE AND SEPARATES

RATIO	EXACT RATIO	RATING DATA	RPM INPUT								FRAME SIZE	MODEL NUMBER	
			2500	1750	1430	1170	870	720	580	100		C-FACE	SEPARATE
1.22	1.25	Output RPM	2000	1400	1140	935	700	575	465	80			
		Output Torque, in-lb.	9645	9903	11435	11722	12126	12245	12602	14769	250TC	*	R86040
		Output HP (Max.)	314	225	213	178	137	115	95.10	19.20	280TC	*	
		Input HP (Max.)	320	230	217	182	140	117	97.00	19.60	320TC	M85536	
		OHL Output Shaft (1)	2500	2900	2556	2557	2900	3134	3421	5087	360TC	M85560	
		OHL Input Shaft (1)	1208	1478	999	1106	1289	1482	1610	1610			
1.50	1.48	Output RPM	1690	1180	965	790	585	485	390	65			R86041
		Output Torque, in-lb.	10710	11965	12504	12749	13098	13382	13625	15843	250TC	*	
		Output HP (Max.)	283	221	189	158	121	102	83.60	16.80	280TC	*	
		Input HP (Max.)	289	226	193	161	123	104	85.30	17.10	320TC	M85537	
		OHL Output Shaft (1)	2700	2630	2700	2851	3300	3499	3806	5189	360TC	M85561	R86041
		OHL Input Shaft(1)	1236	1104	1113	1251	1477	1606	1799	1799			
1.84	1.88	Output RPM	1300	930	760	620	460	380	310	53			R86042
		Output Torque, in-lb.	11910	13630	13669	13987	14238	14569	14833	17388	250TC	*	
		Output HP (Max.)	257	206	169	141	107	90.50	74.20	15.00	280TC	*	
		Input HP (Max.)	262	210	172	144	109	92.30	75.70	15.30	320TC	M85538	
		OHL Output Shaft (1)	3000	2650	3100	3286	3670	3900	4144	5288	360TC	M85562	R86042
		OHL Input Shaft (1)	1023	800	957	1072	1345	1463	1654	1654			
2.25	2.27	Output RPM	1100	770	630	515	385	315	255	44			R86043
		Output Torque, in-lb.	12785	14135	14674	14728	15255	15518	15838	18483	250TC	*	
		Output HP (Max.)	225	174	148	122	93.60	78.80	64.80	13.00	280TC	*	
		Input HP (Max.)	230	178	151	124	95.50	80.40	66.10	13.30	320TC	M85539	
		OHL Output Shaft (1)	3200	3255	3400	3610	3959	4200	4467	5395	360TC	M85563	R86043
		OHL Input Shaft (1)	1047	947	984	1205	1384	1537	1715	1715			
2.76	2.79	Output RPM	895	630	515	420	310	260	208	36			R86044
		Output Torque, in-lb.	13482	14584	14999	15276	15907	16218	16523	19065	250TC	*	
		Output HP (Max.)	194	147	123	103	79.70	67.20	55.20	11.00	280TC	*	
		Input HP (Max.)	198	150	126	105	81.30	68.60	56.30	11.20	320TC	M85540	
		OHL Output Shaft (1)	3400	3500	3800	3918	4257	4500	4642	5924	360TC	M85564	R86044
		OHL Input Shaft (1)	977	950	1070	1213	1363	1502	1690	1690			
3.38	3.33	Output RPM	750	525	430	350	260	215	174	30			R86045
		Output Torque, in-lb.	13925	15009	15306	16142	16461	16734	17216	19136	250TC	*	
		Output HP (Max.)	164	123	103	88.80	67.30	56.60	46.90	9.00	280TC	*	
		Input HP (Max.)	167	126	105	90.60	68.70	57.80	47.90	9.18	320TC	M85541	
		OHL Output Shaft (1)	3682	3962	4100	4400	4660	4900	4735	5630	360TC	M85565	R86045
		OHL Input Shaft (1)	1157	1194	1330	1298	1565	1724	1862	1862			
4.13	4.06	Output RPM	615	430	350	290	215	177	142	25			R86046
		Output Torque, in-lb.	14401	15320	16177	16128	16758	17164	17653	19380	250TC	M85512	
		Output HP (Max.)	138	103	88.80	72.40	56.00	47.40	39.30	7.44	280TC	M85524	
		Input HP (Max.)	141	105	90.60	73.90	57.10	48.40	40.10	7.59	320TC	M85542	
		OHL Output Shaft (1)	4044	3900	4438	4575	4659	4780	4838	5753	360TC	M85566	R86046
		OHL Input Shaft (1)	1235	1340	1308	1563	1739	1862	2005	2005			
5.06	5.07	Output RPM	490	345	280	230	172	142	114	20			R86047
		Output Torque, in-lb.	14126	15234	15714	16107	16632	16929	17243	19283	250TC	M85513	
		Output HP (Max.)	111	83.60	70.50	59.10	45.40	38.20	31.40	6.05	280TC	M85525	
		Input HP (Max.)	113	85.30	71.90	60.30	46.30	39.00	32.00	6.17	320TC	M85543	
		OHL Output Shaft (1)	4375	4467	4553	4675	4770	4850	4959	5888	360TC	M85567	R86047
		OHL Input Shaft (1)	1414	1470	1557	1678	1890	2048	2247	2247			

NOTE: Shaded ratings are thermally limited. See page APG-84 for thermal capabilities.

(1) At one shaft diameter from the shaft shoulder. Measured in lbs.

On C-Face Reducers using motor frame size 320 and larger, the maximum input RPM is 1750.

Separate Reducers are limited to 1750 input RPM.

* Made to Order

APG Reducers - Size 8

DOUBLE REDUCTION - C-FACE AND SEPARATES

RATIO	EXACT RATIO	RATING DATA	RPM INPUT							FRAME SIZE	MODEL NUMBER	
			2500	1750	1430	1170	870	720	580	100	C-FACE	SEPARATE
6.20	6.33	Output RPM	395	275	225	185	137	114	92	16	280TC	*
		Output Torque, in-lb.	48016	49302	56925	58353	60365	60958	62736	73524		
		Output HP (Max.)	307	221	208	175	134	112	93.10	18.80		
		Input HP (Max.)	320	230	217	182	140	117	97.00	19.60	360TC	M85568
		OHL Output Shaft (1)	5800	6400	6100	6300	7000	7500	8000	12000		
		OHL Input Shaft (1)	1208	1478	999	1106	1289	1482	1610	1610		
7.59	7.51	Output RPM	330	235	190	156	116	96	77	13	280TC	*
		Output Torque, in-lb.	53086	59306	61979	63193	64925	66333	67538	78528		
		Output HP (Max.)	277	217	185	155	118	99.80	81.90	16.40		
		Input HP (Max.)	289	226	193	161	123	104	85.30	17.10	360TC	M85569
		OHL Output Shaft (1)	5700	5800	6000	6400	7000	7700	8200	12000		
		OHL Input Shaft (1)	1236	1104	1113	1251	1477	1606	1799	1799		
9.30	9.53	Output RPM	260	184	150	123	91	76	61	10	280TC	*
		Output Torque, in-lb.	58970	67356	67680	69254	70498	72133	73440	86091		
		Output HP (Max.)	252	201	165	138	105	88.60	72.70	14.70		
		Input HP (Max.)	262	210	172	144	109	92.30	75.70	15.30	360TC	M85570
		OHL Output Shaft (1)	5300	5000	5900	6300	7300	7700	8400	12000		
		OHL Input Shaft (1)	1023	800	957	1072	1345	1463	1654	1654		
11.4	11.52	Output RPM	215	152	124	102	76	63	50	8.70	280TC	*
		Output Torque, in-lb.	63401	70095	72769	73037	75647	76954	78538	91656		
		Output HP (Max.)	221	171	145	119	91.70	77.20	63.50	12.80		
		Input HP (Max.)	230	178	151	124	95.50	80.40	66.10	13.30	360TC	M85571
		OHL Output Shaft (1)	5700	5700	6000	6400	7300	7800	8500	12000		
		OHL Input Shaft (1)	1047	947	984	1205	1384	1537	1715	1715		
14.0	14.14	Output RPM	177	124	101	83	62	51	41	7.10	280TC	*
		Output Torque, in-lb.	66847	72576	74369	75746	78873	80417	81929	94531		
		Output HP (Max.)	190	144	121	101	78.00	65.90	54.00	10.80		
		Input HP (Max.)	198	150	126	105	81.30	68.60	56.30	11.20	360TC	M85572
		OHL Output Shaft (1)	5600	6000	6400	7000	7600	8300	9000	12000		
		OHL Input Shaft (1)	977	950	1070	1213	1363	1502	1690	1690		
17.1	16.89	Output RPM	148	104	85	69	52	43	34	5.90	280TC	*
		Output Torque, in-lb.	69072	74449	75924	80070	81651	83008	85395	94922		
		Output HP (Max.)	160	121	101	87.00	66.00	55.50	46.00	8.81		
		Input HP (Max.)	167	126	105	90.60	68.70	57.80	47.90	9.18	360TC	M85573
		OHL Output Shaft (1)	6000	6400	7000	7100	8200	8000	9700	12000		
		OHL Input Shaft (1)	1157	1194	1330	1298	1565	1724	1862	1862		
20.9	20.55	Output RPM	122	85	70	57	42	35	28	4.90	250TC	M85514
		Output Torque, in-lb.	71422	75981	80232	79986	83113	85127	87553	96116		
		Output HP (Max.)	135	101	87.00	70.90	54.80	46.50	38.50	7.29		
		Input HP (Max.)	141	105	90.60	73.90	57.10	48.40	40.10	7.59	360TC	M85574
		OHL Output Shaft (1)	6500	7000	7200	8000	9000	9700	10500	12000		
		OHL Input Shaft (1)	1235	1340	1308	1563	1739	1862	2005	2005		
25.6	25.67	Output RPM	97	68	56	46	34	28	23	3.90	250TC	M85515
		Output Torque, in-lb.	70065	75557	77939	79890	82494	83964	85523	95642		
		Output HP (Max.)	108	81.90	69.00	57.90	44.40	37.40	30.70	5.92		
		Input HP (Max.)	113	85.30	71.90	60.30	46.30	39.00	32.00	6.17	360TC	M85575
		OHL Output Shaft (1)	7000	7800	8200	8700	10100	11000	12200	12000		
		OHL Input Shaft (1)	1414	1470	1557	1678	1890	2048	2247	2247		

NOTE: Shaded ratings are thermally limited. See page APG-84 for thermal capabilities.

(1) At one shaft diameter from the shaft shoulder. Measured in lbs.
On C-Face Reducers using motor frame size 320 and larger, the maximum input RPM is 1750.
Separate Reducers are limited to 1750 input RPM.

* Made to Order

APG Reducers - Size 8

TRIPLE REDUCTION - C-FACE AND SEPARATES

RATIO	EXACT RATIO	RATING DATA	RPM INPUT								FRAME SIZE	MODEL NUMBER	
			2500	1750	1430	1170	870	720	580	100		C-FACE	SEPARATE
31.4	31.98	Output RPM	78	55	45	37	27	23	18	3.10	210TC	*	R86148
		Output Torque, in-lb.	55120	59430	61382	63419	66691	69737	73745	100421	250TC	M85516	
		Output HP (Max.)	69.70	52.60	44.40	37.50	29.30	25.40	21.60	5.08	280TC	M85528	
		Input HP (Max.)	74.10	56	47.20	39.90	31.20	27.00	23.00	5.40	320TC	M85552	
		OHL Output Shaft (1)	9400	10000	10800	11700	12000	12000	12000	12000	360TC	M85576	
		OHL Input Shaft (1)	2506	2500	2639	2689	2764	2811	2865	2865			
38.4	38.18	Output RPM	65	46	37	31	23	19	15	2.60	210TC	*	R86149
		Output Torque, in-lb.	61305	65717	68479	70655	74340	77808	82062	95647	250TC	M85517	
		Output HP (Max.)	63.30	47.50	40.40	34.10	26.70	23.10	19.60	3.95	280TC	M85529	
		Input HP (Max.)	67.30	50.50	43.00	36.30	28.40	24.60	20.90	4.20	320TC	M85553	
		OHL Output Shaft (1)	9400	10300	11200	11950	12000	12000	12000	12000	360TC	M85577	
		OHL Input Shaft (1)	2516	2601	2650	2700	2776	2823	2879	2879			
47.1	46.46	Output RPM	54	38	31	25	19	15	12	2.20	210TC	*	R86150
		Output Torque, in-lb.	66940	71722	74703	77001	81111	84838	89446	94553	250TC	M85518	
		Output HP (Max.)	56.40	42.30	36.00	30.40	23.80	20.60	17.50	3.19	280TC	M85530	
		Input HP (Max.)	60.00	45.00	38.30	32.30	25.30	21.90	18.60	3.39	320TC	M85554	
		OHL Output Shaft (1)	9500	10700	11500	12000	12000	12000	12000	12000	360TC	M85578	
		OHL Input Shaft (1)	2527	2613	2662	2713	2789	2838	2893	2893			
57.7	58.04	Output RPM	43	30	25	20	15	12	10	1.70	210TC	*	R86151
		Output Torque, in-lb.	71040	78066	79294	80568	82440	84436	85974	93582	250TC	M85519	
		Output HP (Max.)	48.90	37.60	31.20	25.90	19.70	16.70	13.70	2.58	280TC	M85531	
		Input HP (Max.)	52.00	40.00	33.20	27.60	21.00	17.80	14.60	2.74	320TC	M85555	
		OHL Output Shaft (1)	10000	11200	12000	12000	12000	12000	12000	12000	360TC	M85579	
		OHL Input Shaft (1)	2539	2623	2675	2728	2808	2859	2919	2919			
70.6	71.67	Output RPM	35	24	20	16	12	10	8.10	1.40	180TC	M85504	R86152
		Output Torque, in-lb.	67442	72917	75191	79027	85599	89486	94426	94972	210TC	M85508	
		Output HP (Max.)	37.90	28.70	24.20	20.80	16.70	14.50	12.30	2.13	250TC	M85520	
		Input HP (Max.)	40.30	30.50	25.70	22.10	17.80	15.40	13.10	2.27	280TC	M85532	
		OHL Output Shaft (1)	11500	12000	12000	12000	12000	12000	12000	12000	320TC	M85556	
		OHL Input Shaft (1)	2506	2589	2638	2686	2757	2804	2858	2858	360TC	M85580	
86.5	85.57	Output RPM	29	20	17	14	10	8.40	6.80	1.20	180TC	M85505	R86153
		Output Torque, in-lb.	74596	82020	83479	87579	94223	98910	95401	99394	210TC	M85509	
		Output HP (Max.)	34.20	26.30	21.90	18.80	15.00	13.10	10.20	1.82	250TC	M85521	
		Input HP (Max.)	36.40	28	23.30	20.00	16.00	13.90	10.80	1.94	280TC	M85533	
		OHL Output Shaft (1)	11800	12000	12000	12000	12000	12000	12000	12000	320TC	M85557	
		OHL Input Shaft (1)	2517	2500	2650	2699	2771	2818	2885	2885	360TC	M85581	
105.9	104.11	Output RPM	24	17	14	11	8.40	6.90	5.60	0.96	180TC	M85506	R86154
		Output Torque, in-lb.	80808	87476	90379	93304	100238	95851	103735	95990	210TC	M85510	
		Output HP (Max.)	30.30	22.90	19.40	16.40	13.10	10.30	9.01	1.44	250TC	M85522	
		Input HP (Max.)	32.20	24.40	20.60	17.40	13.90	11.00	9.59	1.53	280TC	M85534	
		OHL Output Shaft (1)	12000	12000	12000	12000	12000	12000	12000	12000	320TC	M85558	
		OHL Input Shaft (1)	2528	2613	2663	2714	2788	2846	2900	2900	360TC	M85582	
129.7	130.07	Output RPM	19	13	11	9.00	6.70	5.50	4.50	0.77	180TC	M85507	R86155
		Output Torque in-lb.	82064	86059	90272	88003	90970	92313	94061	95280	210TC	M85511	
		Output HP (Max.)	25.10	18.40	15.80	12.60	9.68	8.13	6.67	1.17	250TC	M85523	
		Input HP (Max.)	26.70	19.60	16.80	13.40	10.30	8.65	7.10	1.24	280TC	M85535	
		OHL Output Shaft (1)	12000	12000	12000	12000	12000	12000	12000	12000	320TC	M85559	
		OHL Input Shaft (1)	2544	2632	2681	2737	2816	2869	2929	2929	360TC	M85583	

(1) At one shaft diameter from the shaft shoulder. Measured in lbs.

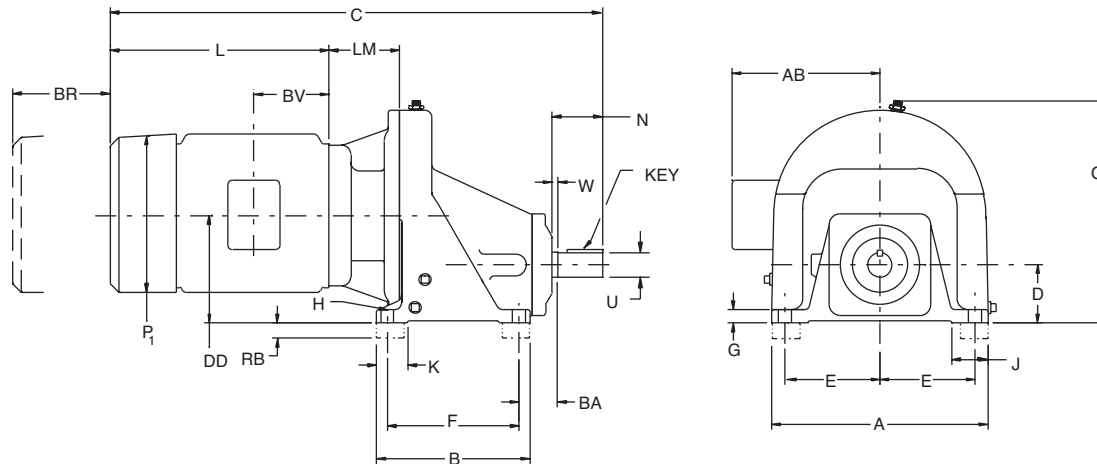
On C-Face Reducers using motor frame size 320 and larger, the maximum input RPM is 1750.

Separate Reducers are limited to 1750 input RPM.

* Made to Order

APG Gearmotor

SINGLE REDUCTION - SIZES 3 AND 4



Size	Red.	HP	A	B	C	D	E	F	G	H	J	K	L	N	O
3	Single	1, 1-1/2	8.25	6.62	20.65	2.51	3.56	5.62	0.63	0.44	1.56	1.38	8.52	2.63	8.50 •
		2			21.65								9.52		
		3			23.71								11.58		
		5			24.13								12.00		
		7-1/2			25.63								12.38		9.76
		10			27.25								13.87		10.38
4	Double	2	8.25	7.62	22.37	2.55	3.50	6.50	0.63	0.56	1.75	1.69	9.52	2.63	8.94 •
		3			24.43								11.58		
		5			24.85								12.00		
		7-1/2			26.35								12.38		10.20
		10			27.97								13.87		10.82
		20			31.03								16.62		11.82

Size	Red.	HP	P ⁱ	W	AB	BA	BR w/brake	BV	DD	LM	RB †	U		Key	
												Min.	Max.	Square	Length
3	Single	1, 1-1/2	7.28	0.12	4.68 □	1.66	5.40	4.29	4.38	2.88	NR	1.124	1.125	0.250	1.75
		2						5.29							
		3						7.35							
		5	7.98		6.29 □			7.28							
		7-1/2	9.25		7.81		9.62	4.25		4.00	0.50				
		10	10.50		8.69		9.43	4.56		4.13	1.25				
4	Double	2	7.28	0.12	4.68 □	1.69	5.40	5.29	4.82	2.88	NR	1.124	1.125	0.250	1.75
		3						7.35							
		5	7.98		6.29 □			7.28							
		7-1/2	9.25		7.81		9.62	4.25		4.00	0.88				
		10	10.50		8.69		9.43	4.56		4.13					
		15					9.93	4.56		4.13					
		20	13.12		10.06		10.62	5.31		4.44	2.44				

All dimensions in inches

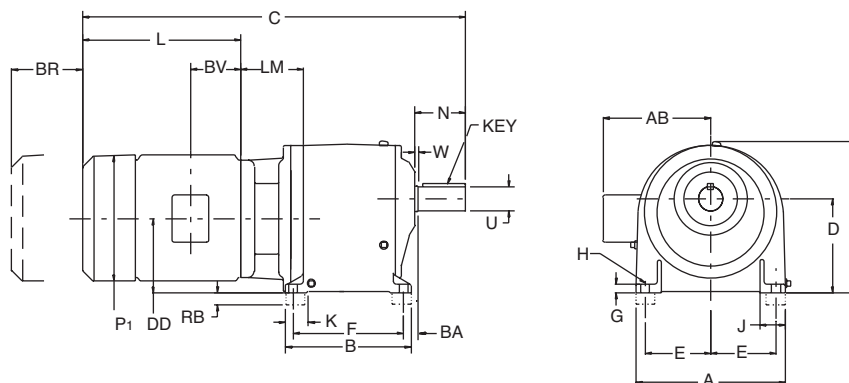
• Height of gearcase only, motor conduit box height may be greater.

† Dimensions represent the height of the riser block that comes standard with the gearmotor.

NR Indicates that riser block is not required.

□ Conduit box is located on top of motor. Dimension shown is from center line of motor to top of conduit box.

APG Gearmotor DOUBLE, TRIPLE REDUCTION - SIZES 3 AND 4



Size	Red.	HP	A	B	C	D	E	F	G	H	J	K	L	N	O
3	Double	1, 1-1/2	8.25	8.00	21.46	5.37	3.56	7.00	0.63	0.44	1.50	1.38	8.52	2.63	8.75 •
		2			22.46								9.52		
		3			24.52								11.58		
		5			24.94								12.00		
		7-1/2			26.45								12.38		
		10			28.07								13.87		
	Triple	1/4 thru 1-1/2	8.25	8.00	22.15	5.37	3.56	7.00	0.63	0.44	1.50	1.38	8.52	2.63	8.75 •
		2			23.15								9.52		
		3			25.87								11.58		
		5			26.29								12.00		
4	Double	2	8.25	9.00	23.81	6.17	3.50	7.88	0.63	0.56	1.75	1.69	9.52	3.39	10.03 •
		3			25.87								11.58		
		5			26.29								12.00		
		7-1/2			27.80								12.38		
		10			29.42								13.87		
		15			29.41								16.62		
	Triple	1/2-1-1/2	8.25	9.00	23.56	6.17	3.50	7.88	0.63	0.56	1.75	1.69	8.52	3.39	10.03 •
		2			24.56								9.52		
		3			26.62								11.58		
		5			29.41								12.38		

Size	Red.	HP	P ¹	W	AB	BA	BR w/brake	BV	DD	LM	RB †	U		Key	
												Min.	Max.	Square	Length
3	Double	1, 1-1/2	7.28	0.12	4.68 □	1.07	5.40	4.29	4.39	2.88	NR	1.249	1.250	0.250	1.75
		2						5.29							
		3						7.35							
		5	7.98		6.29 □			7.28							
		7-1/2	9.25		7.81		9.62	4.25		4.00	0.50				
		10	10.50		8.69		9.43	4.56		4.13	1.25				
	Triple	1/4 thru 1-1/2	7.28	0.12	4.68 □	1.07	5.40	4.29	4.39	2.88	NR	1.249	1.250	0.250	1.75
		2						5.29							
		3						7.35							
		5	7.98		6.29 □			7.28							
4	Double	2	7.28	0.13	4.68 □	0.98	5.40	5.29	4.82	2.88	NR	1.624	1.625	0.375	2.75
		3						7.35							
		5	7.98		6.29 □			7.28							
		7-1/2	9.25		7.81		9.62	4.25		4.00	0.88				
		10	10.50		8.69		9.43	4.56		4.13	1.25				
		15	13.12		10.06		10.62	5.31		4.44	2.44				
	Triple	1/2-1-1/2	7.28	0.13	4.68 □	0.98	5.40	4.29	4.82	2.88	NR	1.624	1.625	0.375	2.75
		2						5.29							
		3						7.35							
		5	7.98		6.29 □			7.28							

All dimensions in inches

• Height of gearcase only, motor conduit box height may be greater.

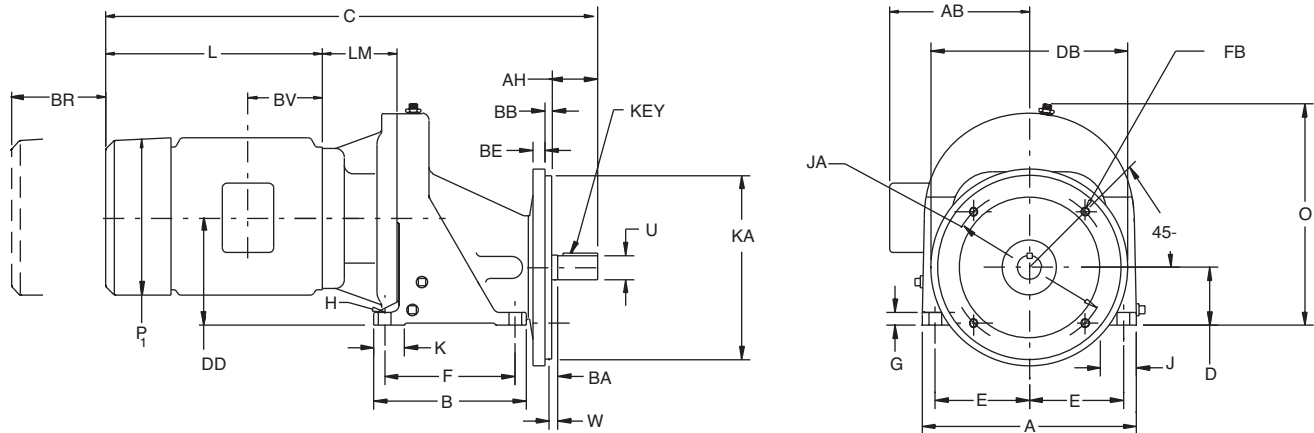
† Dimensions represent the height of the riser block that comes standard with the gearmotor.

NR Indicates that riser block is not required.

□ Conduit box is located on top of motor. Dimension shown is from center line of motor to top of conduit box.

APG Gearmotor With Flanged Output

SINGLE REDUCTION - SIZES 3 AND 4



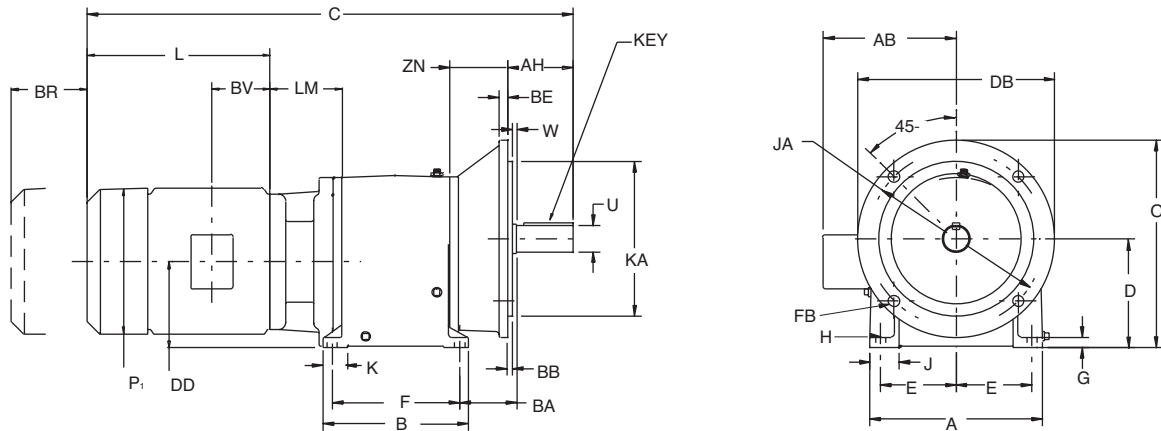
Size	HP	A	B	C	D	E	F	G	H	J	K	L	O	P'	W	AB	AH									
3	1, 1-1/2	8.25	6.62	20.65	2.51	3.56	5.62	0.63	0.44	1.56	1.38	8.52	8.50 •	7.28	0.12	4.68 □	2.63									
	2			21.65								9.52														
	3			23.71								11.58														
	5			24.13								12.00		7.98		6.29 □										
	7-1/2			25.63								12.38	9.76	9.25		7.81										
	10			27.25								13.87	10.38	10.50		8.69										
4	2	8.25	7.62	22.37	2.55	3.50	6.50	0.63	0.56	1.75	1.69	9.52	8.94	7.28	0.12	4.68 □	2.63									
	3			24.43								11.58														
	5			24.85								12.00		7.98		6.29 □										
	7-1/2			26.35								12.38	10.20	9.25		7.81										
	10			27.97								13.87	10.82	10.50		8.69										
	15			31.03								16.62	11.82	13.12		10.06										
	20																									

Size	HP	BA	BB	BE	BR w/brake	BV	DB	DD	FB	No. of Holes	JA	KA	LM	ZN	U		Key	
															Min.	Max.	Sq.	Length
3	1,1-1/2	1.66	0.25	0.62	5.40	4.29	9.00	4.38	1/2-13 THD	4	7.25	8.50	2.88	-	1.124	1.125	0.250	1.75
	2					5.29												
	3					7.35												
	5					7.28												
	7-1/2				9.62	4.25							4.00					
	10				9.43	4.56							4.13					
4	2	1.69	0.25	0.62	5.40	5.29	9.00	4.82	1/2-13 THD	4	7.25	8.50	2.88	-	1.124	1.125	0.250	1.75
	3					7.35												
	5					7.28												
	7-1/2				9.62	4.25							4.00					
	10				9.43	4.56							4.13					
	15				9.93													
	20				10.62								5.31					

All dimensions in inches

- Height of gearcase only, motor conduit box height may be greater.
- Conduit box is located on top of motor. Dimension shown is from center line of motor to top of conduit box.

APG Gearmotor With Flanged Output DOUBLE, TRIPLE REDUCTION - SIZES 3 AND 4



Size	Red.	HP	A	B	C	D	E	F	G	H	J	K	L	O	P'	W	AB	AH		
3	Double	1, 1-1/2	8.25	8.00	23.65	5.37	3.56	7.00	0.63	0.44	1.50	1.38	8.52	10.29 •	7.28	(0.25)	4.68 □	3.31		
		2			24.65								9.52							
		3			26.71								11.58							
		5			27.13								12.00		7.98					
		7-1/2			28.63								12.38		10.29		9.25		6.29 □	
		10			30.25								13.87		10.39		10.50			7.81
					8.69															
	Trpl	1/4-1-1/2	8.25	8.00	24.34	5.37	3.56	7.00	0.63	0.44	1.50	1.38	8.52	10.29	7.28	(0.25)	4.68	3.31		
		2			25.34								9.52							
	4	Double	2	8.25	9.00	25.78	6.17	3.50	7.88	0.63	0.56	1.75	1.69	9.52	11.67 •	7.28	0.06	4.68 □	4.00	
3			27.84			11.58								6.29 □						
5			28.26			12.00														7.98
7-1/2			29.76			12.38										9.25		7.81		
10			31.38			13.87								11.67		10.50				
15			34.44			16.62								11.82		13.12				10.08
20																				
Triple			1/2-1-1/2			8.25								9.00		25.53		6.17		3.50
		2	26.53	9.52																
		3	28.59	11.58																

Size	HP	BA	BB	BE	BR w/brake	BV	DB	DD	FB	No. of Holes	JA	KA	LM	ZN	U		Key	
															Min.	Max.	Sq.	Length
3	1, 1-1/2	2.38	0.19	0.50	5.40	4.29	9.84	4.39	0.531	4	8.50	7.13	2.88	2.94	1.374	1.375	0.313	2.38
	2					5.29												
	3					7.35												
	5					7.28												
	7-1/2					9.62												
	10					4.25												
	1/4-1-1/2					4.56												
4	2	2.44	0.19	0.50	5.29	4.29	9.84	4.39	0.531	4	10.00	9.00	2.88	2.88	1.624	1.625	0.375	2.75
	3					5.29												
	5					7.35												
	7-1/2					7.28												
	10					9.62												
	15					4.25												
	20					4.56												
	1/2-1-1/2	2.44	0.19	0.50	5.40	4.29	11.00	4.82	0.531	4	10.00	9.00	2.88	2.88	1.624	1.625	0.375	2.75
	2					5.29												
	3					7.35												

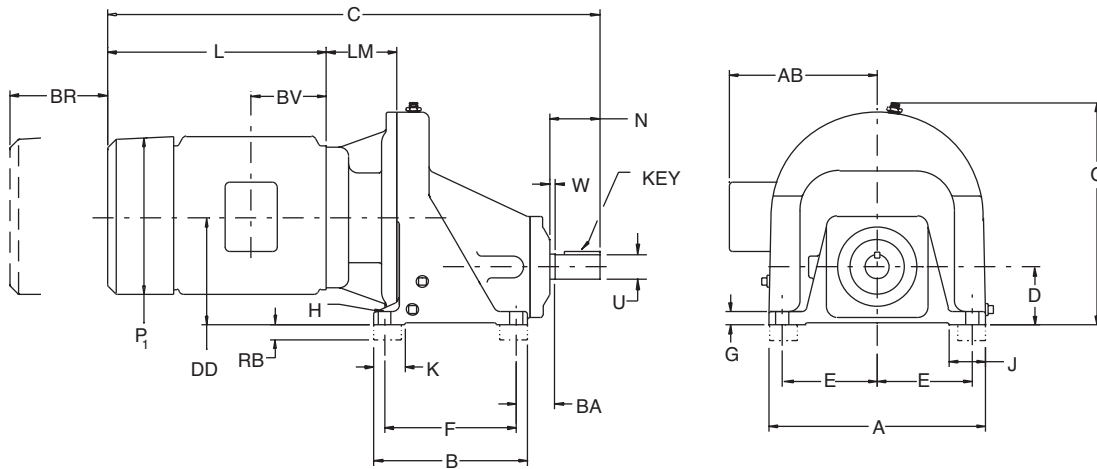
All dimensions in inches

Dimensions in parentheses indicate negative values.

- Height of gearcase only, motor conduit box height may be greater.
- Conduit box is located on top of motor. Dimension shown is from center line of motor to top of conduit box.

APG Gearmotor

SINGLE REDUCTION - SIZES 5 AND 6



Size	Red.	HP	A	B	C	D	E	F	G	H	J	K	L	N	O
5	Single	3	12.25	8.69	25.99	3.30	5.38	7.44	0.75	0.72	2.06	1.75	11.58	2.85	12.25 •
		5			26.41								12.00		
		7-1/2			27.91								12.38		
		10, 15			29.53								13.87		
		20			32.59								16.62		13.12
		25, 30			34.92								18.76		13.87
6	Single	7-1/2	12.25	10.44	29.82	4.21	5.13	8.62	1.00	0.88	2.44	2.56	12.38	3.62	13.75
		10, 15			31.44								13.87		
		20			34.50								16.62		14.60
		25, 30			36.83								18.76		15.35
		40, 50			39.76								21.19		16.29
		60, 75			42.94								23.25		17.73

Size	Red.	HP	P1	W	AB	BA	BR w/brake	BV	DD	LM	RB †	U		Key	
												Min.	Max.	Square	Length
5	Single	3	7.28	0.06	4.68 □	1.97	5.40	7.35	6.10	2.88	NR	1.374	1.375	0.313	2.00
		5	7.98		6.29 □			7.28		4.00					
		7-1/2	9.25		7.81		4.25	4.13							
		10	10.50		8.69		9.43	4.56		4.44	1.25				
		15					9.93	5.31		4.63	2.00				
		20	13.12		10.06		12.12	6.13							
		25, 30	14.62		12.06										
6	Single	7-1/2	9.25	0.12	7.81	2.31	9.62	4.25	7.60	4.00	NR	1.749	1.750	0.375	2.75
		10	10.50		8.69			9.43		4.56					
		15					9.93	5.31		4.44					
		20	13.12		10.06		12.12	6.13		4.63	1.31				
		25, 30	14.62		12.06		15.44	7.26		5.13	1.31				
		40, 50	16.62		14.12		15.82	7.63		6.25	2.75				
		60, 75	19.50		17.94										

All dimensions in inches

- Height of gearcase only, motor conduit box height may be greater

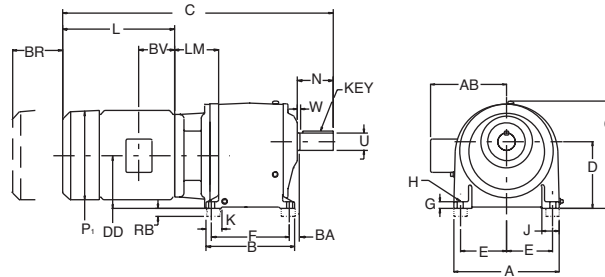
† Dimensions represent the height of the riser block that comes standard with the gearmotor.

NR indicates that riser block is not required.

□ Conduit box is located on top of motor. Dimension shown is from center line of motor to top of conduit box.

APG Gearmotor

DOUBLE, TRIPLE REDUCTION - SIZES 5 AND 6



Size	Red.	HP	A	B	C	D	E	F	G	H	J	K	L	N	O							
5	Double	3	12.25	10.31	27.29	7.74	5.38	9.06	0.74	0.72	2.06	1.75	11.58	4.13	12.29 •							
		5			28.32								12.00									
		7-1/2			29.82								12.38									
		10, 15			31.44								13.87									
		20			34.50								16.62									
		25, 30			36.83								18.76		13.85							
	Triple	3/4 - 1-1/2	12.25	10.31	25.71	7.74	5.38	9.06	0.74	0.72	2.06	1.75	8.52	4.13	12.29 •							
		2			26.71								9.52									
		3			28.77								11.58									
		5			29.19								12.00									
		7-1/2			30.70								12.38			12.29						
		6			Double								7-1/2		12.00	12.88	32.07	9.85	5.13	11.00	1.00	0.88
10, 15	33.69		13.87																			
20	36.75		16.62																			
25, 30	39.08		18.76																			
40, 50	42.01		21.19																			
60, 75	45.19		23.25	16.29																		
Triple	1-1/2		12.00	12.88	28.11	9.85	5.13	11.00	1.00	0.88	2.44	2.56	8.52	4.87	15.66 •							
	2				29.11								9.52									
	3				31.17								11.58									
	5				31.59								12.00									
	7-1/2				33.09								12.38									
	10				34.71								13.87		15.66							
	15																					

Size	Red.	HP	P ¹	W	AB	BA	BR w/brake	BV	DD	LM	RB †	U		Key	
												Min.	Max.	Square	Length
5	Double	3	7.28	0.15	4.68 □	1.08	5.40	7.35	6.10	2.88	NR	1.999	2.000	0.500	3.50
		5	7.98		6.29 □			7.28							
		7 1/2	9.25		7.81			4.25							
		10, 15	10.50		8.69			4.56							
		20	13.12		10.08			5.31							
		25, 30	14.62		12.06			6.13							
	Triple	3/4-1-1/2	7.28	0.15	4.68 □	1.08	5.40	4.29	6.10	2.88	NR	1.999	2.000	0.500	3.50
		2			6.29 □			5.29							
		3			7.81			4.25							
		5			8.69			4.56							
		7-1/2			10.08			5.31							
		10			12.06			6.13							
6	Double	7-1/2	9.25	0.12	7.81	1.00	9.62	4.25	7.60	4.00	NR	2.374	2.375	0.625	4.00
		10	10.50		8.69			4.56							
		15	13.12		10.06			5.31							
		20	14.62		12.06			6.13							
		25, 30	16.62		14.12			7.26							
		40, 50	19.50		17.94			7.63							
	Triple	1-1/2	7.28	0.12	4.68 □	1.00	5.40	4.29	7.60	2.88	NR	2.374	2.375	0.625	4.00
		2			6.29 □			5.29							
		3			7.81			4.25							
		5			8.69			4.56							
		7 1/2			10.06			5.31							
		10			12.06			6.13							
		15			14.12			7.26							
		20			17.94			7.63							
		25, 30			21.19			8.00							

All dimensions in inches

• Height of gearcase only, motor conduit box height may be greater

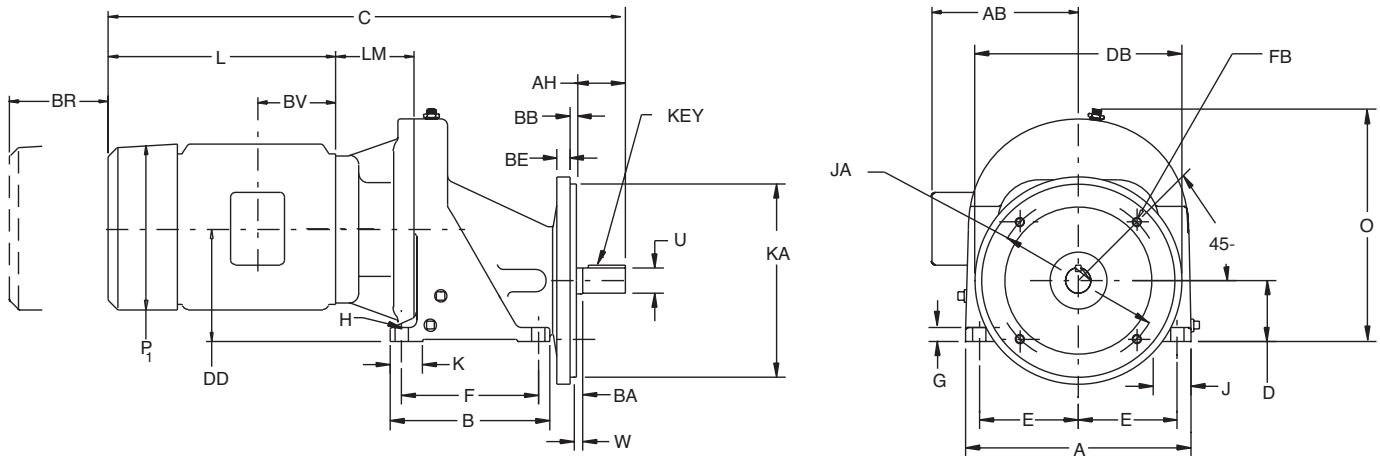
† Dimensions represent the height of the riser block that comes standard with the gearmotor.

NR indicates that riser block is not required.

□ Conduit box is located on top of motor. Dimension shown is from center line of motor to top of conduit box.

APG Gearmotor With Flanged Output

SINGLE REDUCTION - SIZES 5 AND 6



Size	Red.	HP	A	B	C	D	E	F	G	H	J	K	L	O	P'	W	AB	AH
5	Single	3	12.25	8.69	25.99	3.30	5.38	7.44	0.75	0.72	2.06	1.75	11.58	12.25 •	7.28	0.06	4.68 □	2.77
		5			26.41								12.00		7.98		6.29 □	
		7-1/2			27.91								12.38		9.25		7.81	
		10			29.53								13.87	12.25	10.50		8.69	
		15			32.59								16.62	13.12	13.12		10.06	
		20			34.92								18.76	13.87	14.62		12.06	
		25, 30																
6	Single	7-1/2	12.25	10.44	29.82	4.21	5.13	8.62	1.00	0.88	2.44	2.56	12.38	13.75	9.25	0.00	7.81	3.50
		10, 15			31.44								13.87		10.50		8.69	
		20			34.50								16.62	14.60	13.12		10.06	
		25, 30			36.83								18.76	15.35	14.62		12.06	
		40, 50			39.76								21.19	16.29	16.62		14.12	
		60, 75			42.94								23.25	17.73	19.50		17.94	

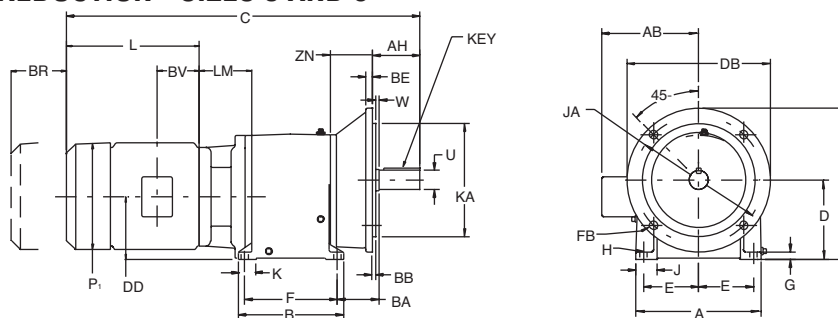
Size	Red.	HP	BA	BB	BE	BR w/brake	BV	DB	DD	FB	No. of Holes	JA	KA	LM	ZN	U		Key	
																Min.	Max.	Sq.	Length
5	Single	3	1.97	0.25	0.94	5.40	7.35	11.25	6.10	1/2-13 THD	4	9.00	10.50	2.88	-	1.374	1.375	0.313	2.00
		5					7.28							4.00					
		7-1/2				9.62	4.25							4.13					
		10				9.43	4.56							4.44					
		15				10.62	5.31							4.63					
		20				12.12	6.13												
		25, 30																	
6	Single	7-1/2	2.31	0.25	0.94	9.62	4.25	14.00	7.60	5/8-11 THD	4	11.00	12.50	4.00	-	1.749	1.750	0.375	2.75
		10				9.43	4.56							4.13					
		15				9.43								4.44					
		20				10.62	5.31							4.63					
		25, 30				12.12	6.13							5.13					
		40, 50				15.44	7.26												
		60, 75				15.82	7.63							6.25					

All dimensions in inches

Dimensions in parentheses indicate negative values

- Height of gearcase only, motor conduit box height may be greater
- Conduit box is located on top of motor. Dimension shown is from center line of motor to top of conduit box

APG Gearmotor With Flanged Output DOUBLE, TRIPLE REDUCTION - SIZES 5 AND 6



Size	Red.	HP	A	B	C	D	E	F	G	H	J	K	L	O	P ¹	W	AB	AH
5	Double	3	12.25	10.31	30.88	7.74	5.38	9.06	0.74	0.72	2.06	1.75	11.58	14.74 •	7.28	(0.19)	4.68 □	4.62
		5			31.30								12.00		7.98		6.29 □	
		7-1/2			32.81								12.38		9.25		7.81	
		10			34.42								13.87		10.50		8.69	
		15			37.49								16.62		13.12		10.06	
		20			39.81								18.76		14.62		12.06	
		25, 30			28.70								8.52	14.74 •	7.28	(0.19)	4.68 □	4.62
	Triple	3/4-1-1/2	12.25	10.31	29.70	7.74	5.38	9.06	0.74	0.72	2.06	1.75	9.52		7.98		6.29 □	
		2			31.76								11.58		9.25		7.81	
		3			32.18								12.00		10.50		8.69	
		5			33.68								12.38		13.12		10.06	
		7-1/2			35.76								12.38		14.62		12.06	
		10			37.38								13.87		16.62		14.12	
6	Double	15	12.00	12.88	37.37	9.85	5.13	11.00	1.00	0.88	2.44	2.56	16.62	18.85	13.12	0.07	10.06	5.88
		20			40.44								18.76		14.62		12.06	
		25, 30			42.76								21.19		16.62		14.12	
		40, 50			45.69								23.25		19.50		17.94	
		60, 75			48.88								13.87	18.85 •	9.25		8.69	
	Triple	1-1/2	12.00	12.88	31.79	9.85	5.13	11.00	1.00	0.88	2.44	2.56	8.52		7.28	0.07	4.68 □	5.88
		2			32.79								9.52		7.98		6.29 □	
		3			34.85								11.58		9.25		7.81	
		5			35.27								12.00		10.50		8.69	
		7-1/2			36.78								12.38		13.12		10.06	
		10			38.40								13.87		14.62		12.06	
		15			38.39								13.87		16.62		14.12	

Size	Red.	HP	BA	BB	BE	BR	BV	DB	DD	FB	No. Of	JA	KA	LM	ZN	U		KEY	
																Min.	Max	Sq.	Length
5	Double	3	3.43	.19	.63	5.40	7.35	14.00	6.10	0.812	4	12.50	11.00	2.88	4.12	1.874	1.875	0.500	3.50
		5				7.28	4.25							4.00					
		7-1/2				9.62	4.56							4.13					
		10				9.43	4.56							4.44					
		15				9.93	4.56							4.44					
		20				10.62	5.31							4.63					
		25, 30				12.12	6.13							4.63					
	Triple	3/4-1-1/2	3.43	.19	.63	4.29	5.29	14.00	6.10	0.812	4	12.50	11.00	2.88	4.12	1.874	1.875	0.500	3.50
		2				5.40	7.35							4.00					
		3				7.28	4.25							4.13					
		5				9.62	4.56							4.44					
		7-1/2				9.43	4.56							4.44					
		10				9.93	4.56							4.63					
		15				10.62	5.31							4.63					
6	Double	20	3.79	.19	.75	12.12	6.13	18.00	7.60	0.812	4	16.00	14.00	4.44	4.56	2.374	2.375	0.625	4.00
		25, 30				12.12	6.13							4.63					
		40, 50				15.44	7.26							5.13					
		60, 75				15.82	7.63							6.25					
	Triple	1-1/2	3.79	.19	.75	4.29	5.29	18.00	7.60	0.812	4	16.00	14.00	2.88	4.56	2.374	2.375	0.625	4.00
		2				5.40	7.35							4.00					
		3				7.28	4.25							4.13					
		5				9.62	4.56							4.44					
		7-1/2				9.43	4.56							4.44					
		10				9.93	4.56							4.63					
		15				10.62	5.31							4.63					

All dimensions in inches

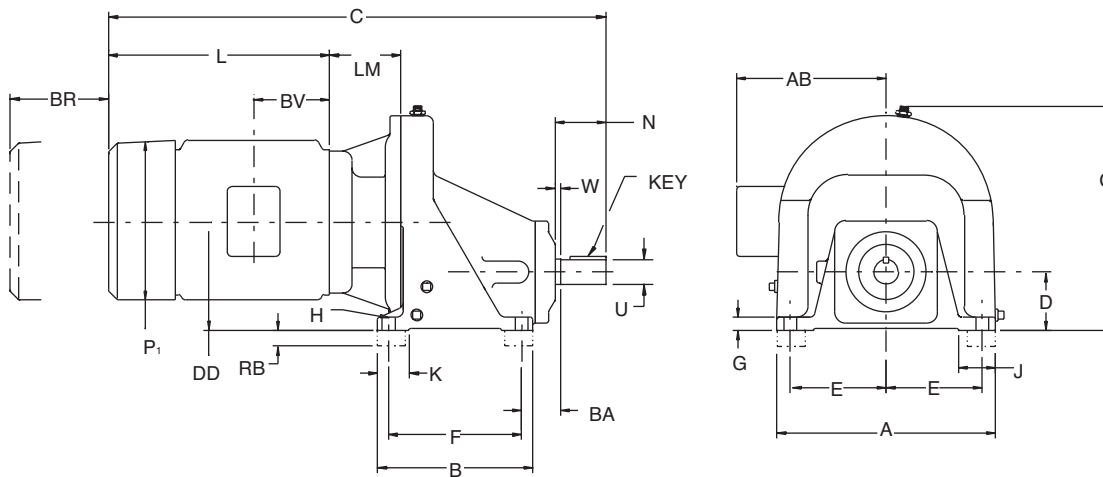
Dimensions in parentheses indicate negative values

• Height of gearcase only, motor conduit box height may be greater

□ Conduit box is located on top of motor. Dimension shown is from center line of motor to top of conduit box

APG Gearmotor

SINGLE REDUCTION - SIZES 7 AND 8



Size	Red.	HP	A	B	C	D	E	F	G	H	J	K	L	N	O
7	Single	15	18.25	12.50	34.06	6.62	7.81	10.12	1.38	1.31	3.38	3.00	13.87	4.50	20.06
		20			37.12								16.62		
		25, 30			39.45								18.76		
		40, 50			42.38								21.19		
		60, 75			45.56								23.25		21.07
		100			49.25								25.69		23.25
		125			54.06								30.00		23.32
8	Double	25, 30	18.25	14.25	41.92	6.15	7.81	11.88	1.75	1.31	3.50	3.75	18.76	5.62	20.44
		40, 50			44.85								21.19		21.55
		60, 75			48.03								23.25		22.73
		100			51.72								25.69		23.83
		125-200			56.53								30.00		23.83

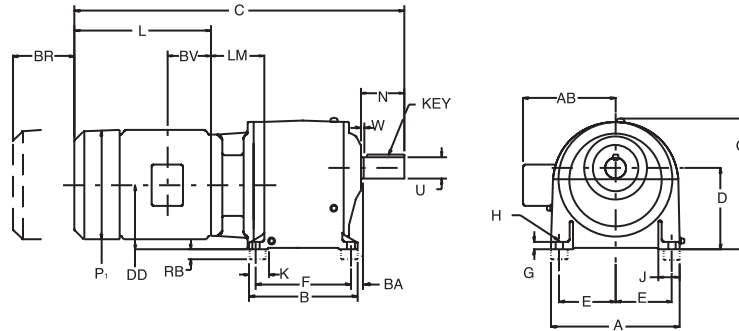
Size	Red.	HP	P ¹	W	AB	BA	BR w/brake	BV	DD	LM	RB †	U		Key	
												Min.	Max.	Square	Length
7	Single	15	10.50	0.161	8.69	3.00	9.93	4.56	10.94	4.13	NR	2.249	2.250	0.500	3.50
		20	13.12		10.06		10.62	5.31		4.44					
		25, 30	14.62		12.06		12.12	6.13		4.63					
		40, 50	16.62		4.12		15.44	7.26		5.13					
		60, 75	19.50		17.94		15.82	7.63		6.25					
		100	22.50		19.31		16.62	8.13		7.50	0.62				
		125	25.25		23.38		15.88	9.63		8.00	1.75				
8	Double	25, 30	14.62	0.16	12.06	3.00	12.12	6.13	11.42	4.63	NR	2.749	2.750	0.625	5.00
		40, 50	16.62		14.12		15.44	7.26		5.13					
		60, 75	19.50		17.94		15.82	7.63		6.25					
		100	22.50		19.31		16.62	8.13		7.50	0.62				
		125	25.25		23.38		15.88	9.63		8.00	1.75				
		150,200					16.88								

All dimensions in inches

† Dimensions represent the height of the riser block that comes standard with the gearmotor.

NR indicates that riser block is not required.

APG Gearmotor DOUBLE, TRIPLE REDUCTION - SIZES 7 AND 8



Size	Red.	HP	A	B	C	D	E	F	G	H	J	K	L	N	O
7	Double	15	18.25	16.12	36.95	13.92	7.81	13.75	1.38	1.31	3.31	3.44	13.87	5.94	21.65
		20			40.01								16.62		
		25, 30			42.34								18.76		
		40, 50			45.27								21.19		
		60, 75			48.46								23.25		
		100			52.15								25.69		22.26
		125			56.96								30.00		23.33
	Triple	7-1/2	18.25	16.12	36.54	13.92	7.81	13.75	1.38	1.31	3.31	3.44	12.38	5.94	21.65
		10, 15			38.15								13.87		
		20			41.22								16.62		
		25, 30			43.54								18.76		
		40, 50			46.90								21.19		
		60, 75			49.83								23.25		
		100			53.02								25.69		
8	Double	125-200	18.25	18.62	56.71	15.21	7.81	16.16	1.75	1.31	3.44	3.75	30.00	7.48	24.36
		7-1/2			61.52								12.38		
		10, 15			41.35								13.87		
		20			42.97								16.62		
		25, 30			46.03								18.76		
		40, 50			48.36								21.19		
		60, 75			51.29								23.25		
	Triple	7-1/2	18.25	18.62	41.35	15.21	7.81	16.16	1.75	1.31	3.44	3.75	12.38	7.48	24.36
		10, 15			42.97								13.87		
		20			46.03								16.62		
		25, 30			48.36								18.76		
		40, 50			51.29								21.19		
		60, 75			54.47								23.25		
		125-200			56.71								30.00		

Size	Red.	HP	P'	W	AB	BA	BR w/brake	BV	DD	LM	RB †	U		Key		
												Min.	Max.	Square	Length	
7	Double	15	10.50	0.191	8.69	0.87	9.93	4.56	10.95	4.13	NR	2.874	2.875	0.750	.500	
		20	13.12		10.06		10.62	5.31		4.44						
		25, 30	14.62		12.06		12.12	6.13		4.63						
		40, 50	16.62		14.12		15.44	7.26		5.13						
		60, 75	19.50		17.84		15.82	7.63		6.25						
		100	22.50		19.31		16.62	8.13		7.50	0.62					
		125			23.38		15.88	9.63		8.00	1.75					
	Triple	7-1/2	9.25	0.190	7.81	0.87	9.62	4.25	10.95	4.00	NR	2.874	2.875	0.750	5.00	
		10	10.50		8.69		9.43	4.56		4.13						
		15			10.06		9.93	5.31		4.44						
		20	13.12		12.06		12.12	6.13		4.63						
		25, 30	14.62		14.12		15.44	7.26		5.13						
		40, 50	16.62		17.84		15.82	7.63		6.25						
		60, 75	19.50		19.31		16.62	8.13		7.50	0.62					
8	Double	25, 30	14.62	0.230	12.06	1.61	12.12	6.13	11.42	4.63	NR	3.624	3.625	0.875	6.00	
		40, 50	16.62		14.12		15.44	7.26		5.13						
		60, 75	19.50		17.94		15.82	7.63		6.25						
		100	22.50		19.31		16.62	8.13		7.50						0.62
		125	25.25		23.38		15.88	9.63		8.00						1.75
		150,200			16.88											
		Triple	7-1/2		9.25		0.230	7.81		1.61	9.62					4.25
	10		10.50	8.69	9.43	4.56		4.13								
	15			10.06	9.93			5.31	4.44							
	20		13.12	12.06	10.62	6.13		4.63								
	25, 30		14.62	14.12	15.44	7.26		5.13								
	40, 50		16.62	17.94	15.82	7.63		6.25								
	60, 75		19.50	17.94												

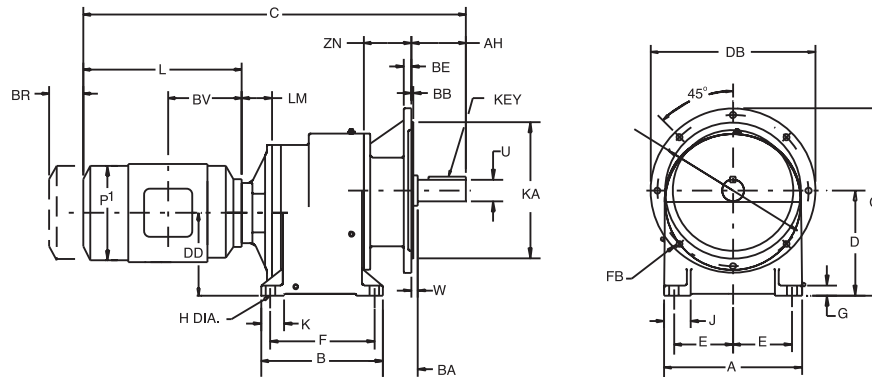
All dimensions in inches

† Dimensions represent the height of the riser block that comes standard with the gearmotor.

NR indicates that riser block is not required.

APG Gearmotor With Flanged Output

DOUBLE, TRIPLE REDUCTION - SIZES 7 AND 8



Size	Red.	Frame Size	A	B	C	D	E	F	G	H	J	K	AH	O	W	AJ	AK	BA	BB	BD																	
7	Double	180TC	18.25	16.12	29.89	13.92	7.81	13.75	1.38	1.31	3.31	3.44	7.25	24.79	(-0.22)	7.25	8.50	4.92	.25	9.00																	
		210TC			30.64											9.00	10.50			11.25																	
		250TC																		14.00																	
		280TC																		.25																	
		320TC			31.95											11.00	12.50																				
	360TC																																				
	Triple	180TC	18.25	16.12	31.10	13.92	7.81	13.75	1.38	1.31	3.31	3.44	7.25	24.79	(-0.22)	7.25	8.50	4.92	.25	9.00																	
		210TC			31.85											9.00	10.50			11.25																	
		250TC																		14.00																	
		280TC																		.22																	
320TC		33.15			11.00											12.50																					
360TC																																					
8	Double	250TC	18.25	18.62	32.83	15.21	7.81	16.16	1.75	1.31	3.44	3.75	8.50	28.22	(0.00)	7.25	8.50	4.31	.22	9.00																	
		280TC			33.58											9.00	10.50			11.25																	
		320TC			34.89											11.00	12.50			14.00																	
		360TC																		.22																	
	Triple	180TC	18.25	18.62	34.28	15.21	7.81	16.16	1.75	1.31	3.44	3.75	8.50	28.22	(0.00)	7.25	8.50	4.31		9.00																	
		210TC			35.03											9.00	10.50			11.25																	
		250TC																		.22																	
		280TC														11.00	12.50			14.00																	
		320TC			36.34																																
		360TC																																			

Size	Red.	Frame Size	BE	BF	# Input Holes	DB	DD	FB	# Output Holes	JA	KA	LA	LM	RB †	ZN	UA	K. W. Sq.	U		KEY													
																		Min.	Max.	Sq.	Length												
7	Double	180TC	1.00	.53	4	21.75	10.95	.81	8	20.00	18.00	5.19	5.41	NR	6.31	1.125	.250	2.874	2.875	.75	5.00												
		210TC														1.375	.313																
		250TC		.69	8							5.94	6.16			1.625	.375																
		280TC														1.875	.500																
		320TC														2.125																	
		360TC														2.375	.625																
	Triple	180TC	1.00	.53	4	21.75	10.95	.81	8	20.00	18.00	5.19	5.41	NR	6.31	1.125	.250	2.874	2.875	.75	5.00												
		210TC														1.375	.313																
		250TC		.69	8							5.94	6.16			1.625	.375																
		280TC														1.875	.500																
		320TC														2.125																	
		360TC														2.375	.625																
8	Double	250TC	1.00	.53	4	26.00	11.42	.81	8	24.00	22.00	5.19	5.41	NR	5.88	1.625	.375	3.624	3.625	.875	6.00												
		280TC										5.94	6.16			1.875	.500																
		320TC		.69	8											2.125																	
		360TC														2.375	.625																
	Triple	180TC	1.00	.53	4	26.00	11.42	.81	8	24.00	22.00	5.19	5.41	NR	5.88	1.125	.250	3.624	3.625	.875	6.00												
		210TC														1.375	.313																
		250TC		.69	8							5.94	6.16			1.625	.375																
		280TC														1.875	.500																
		320TC														2.125																	
		360TC														2.375	.625																

All dimensions in inches

Dimensions in parentheses indicate negative values

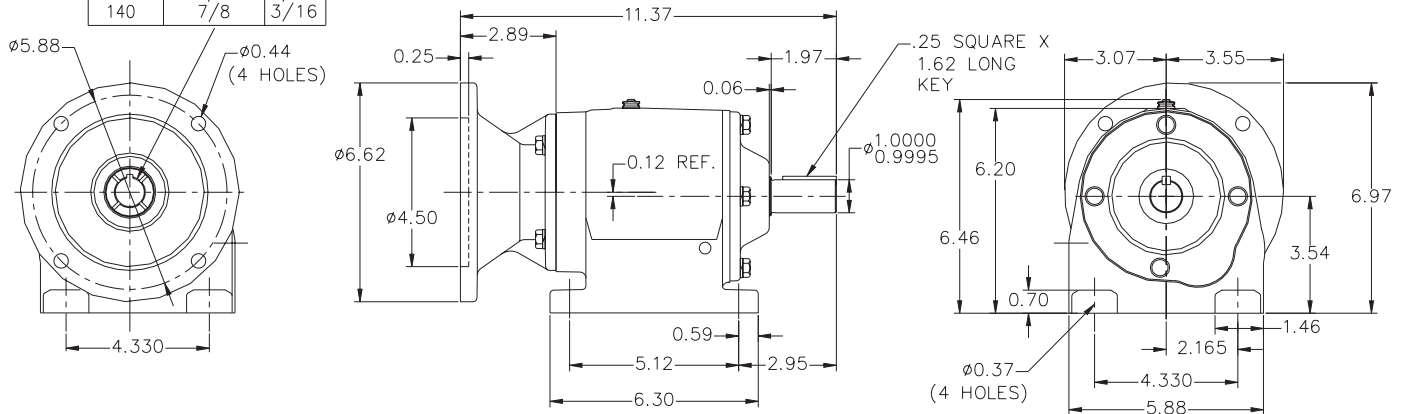
† Height of the riser block that comes standard with the gearbox.

NR indicates that riser block is not required

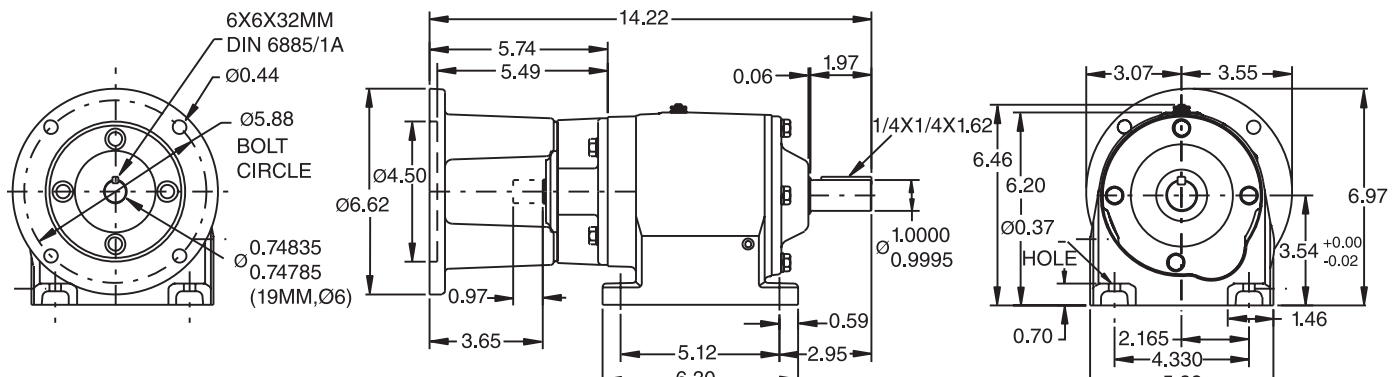
APG C-Face Reducer DOUBLE REDUCTION - SIZE 1

MOTOR	SHAFT Ø	KEY
56	5/8	3/16
140	7/8	3/16

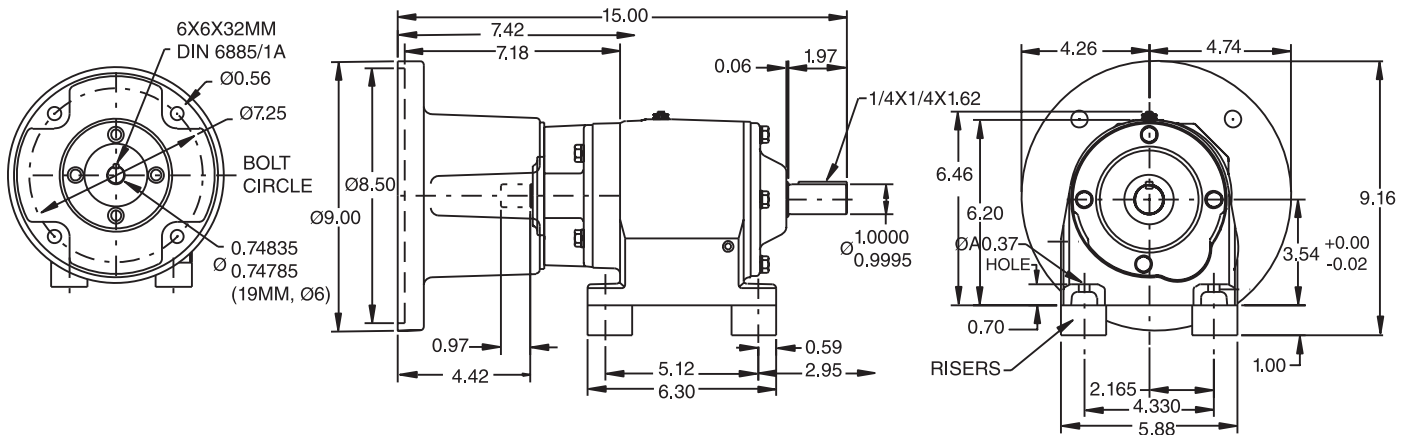
56/140 FRAME CLAMP COLLAR INPUT ASSEMBLY



56/140 FRAME COUPLED INPUT ASSEMBLY*



180 FRAME COUPLED INPUT ASSEMBLY*



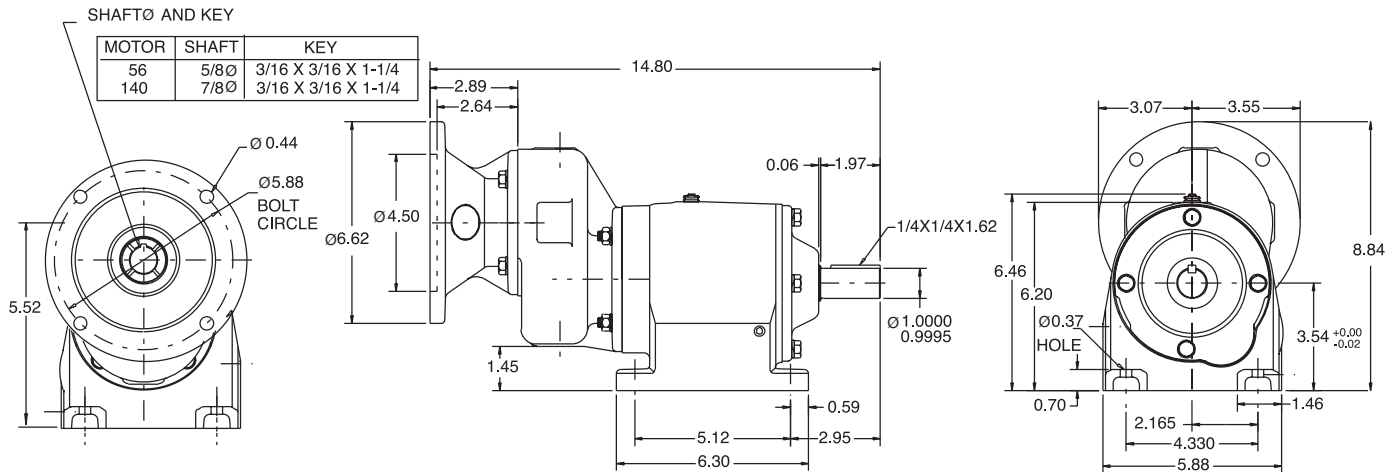
NOTE: Input and output shafts are not concentric. Refer to the separate dimensions, page APG-73 for shaft offset

* A jaw coupling is supplied with the coupled input reducer

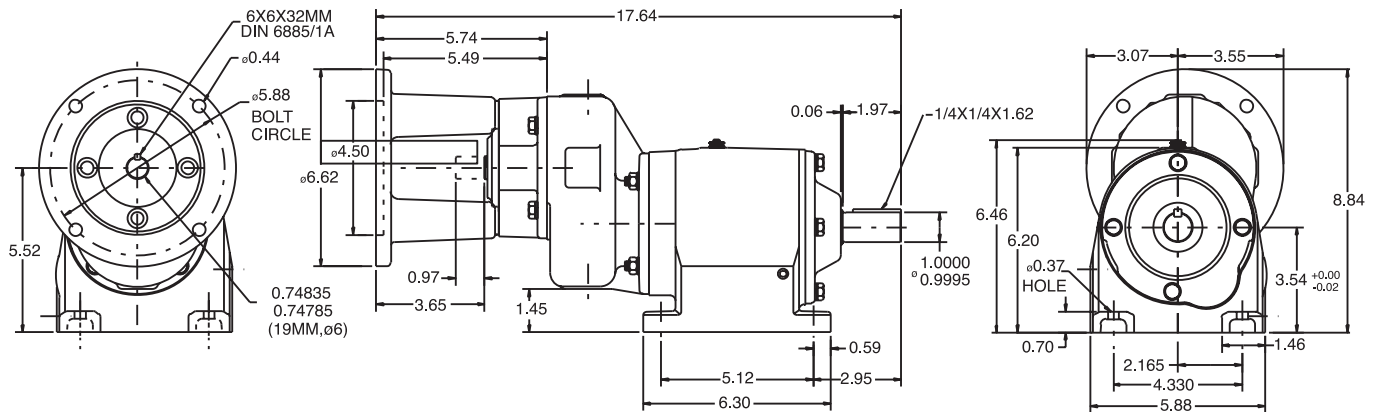
APG C-Face Reducer

TRIPLE REDUCTION - SIZE 1

56/140 FRAME CLAMP COLLAR INPUT ASSEMBLY



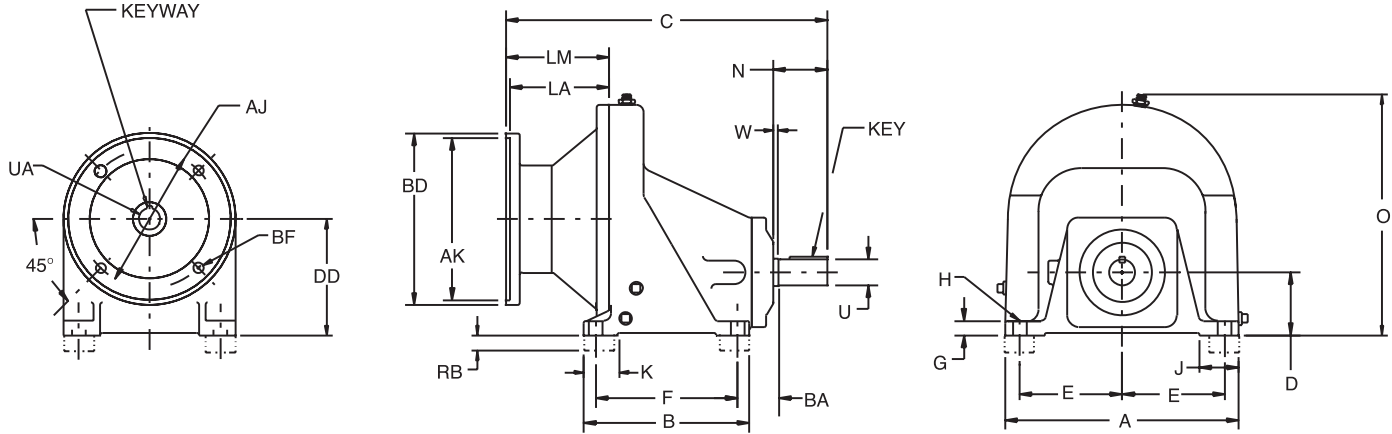
56/140 FRAME COUPLED INPUT ASSEMBLY *



NOTE: Input and output shafts are not concentric. Refer to the separate dimensions, page APG-73 for shaft offset

* A jaw coupling is supplied with the coupled input reducer

APG C-Face Reducer SINGLE REDUCTION - SIZES 2-4



Size	Red.	Frame Size	A	B	C	D	E	F	G	H	J	K	N	O	W	AJ
2	Single	56C	7.12	6.25	11.40	2.20	3.15	5.35	.62	.38	1.38	1.44	1.90	6.97	.15	5.88
		140TC			12.31									8.18		7.25
		180TC														
3	Single	56C	8.25	6.62	12.92	2.51	3.56	5.62	.63	.44	1.56	1.38	2.63	8.50	.12	5.88
		140TC			14.70											7.25
		180TC												8.88		
		210TC														
4	Single	56C	8.25	7.62	13.63	2.55	3.50	6.50	.63	.56	1.75	1.69	2.63	8.94	.12	5.88
		140TC			15.38											7.25
		180TC														
		210TC														
		250TC														

Size	Red.	Frame Size	AK	BA	BD	BF	# of Holes	DD	LA	LM	RB †	UA	K.W. Sq.	U		Key	
														Min.	Max.	Sq.	Length
2	Single	56C	4.50	1.31	6.50	.44	4	3.68	3.43	3.62	NR	.625	.188	.874	.875	.1875	1.250
		140TC										.875					
		180TC										1.125					
3	Single	56C	4.50	1.66	6.50	.41	4	4.38	-	3.63	NR	.625	.188	1.124	1.125	.250	1.75
		140TC										.875					
		180TC										1.125					
		210TC										1.375					
4	Single	56C	4.50	1.69	6.50	.41	4	4.82	-	3.63	NR	.625	.188	1.124	1.125	.250	1.75
		140TC										.875					
		180TC										1.125					
		210TC										1.375					
		250TC										1.625					

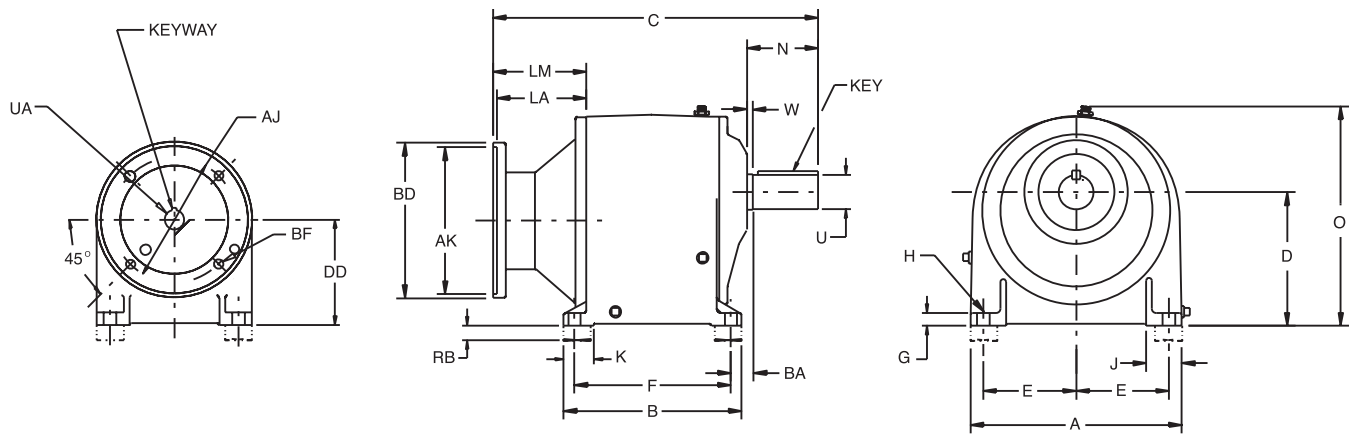
All dimensions in inches.

† Dimensions represent the height of the riser block that comes standard with the gearmotor.

NR indicates that riser block is not required.

APG C-Face Reducer

DOUBLE, TRIPLE REDUCTION - SIZES 2-4



Size	Red.	Frame Size	A	B	C	D	E	F	G	H	J	K	N	O	W	AJ
2	Double	56C	7.12	7.06	12.20	4.56	3.15	6.30	.63	.38	1.38	1.31	2.14	7.75	0.14	5.88
		140TC			13.09											7.25
		180TC														
	Triple	56C	7.12	7.06	12.79	4.56	3.15	6.30	.63	.38	1.38	1.31	2.14	7.75	0.14	5.88
		140TC														
	3	Double	56C	8.25	8.00	13.70	5.37	3.56	7.00	.63	.44	1.50	1.38	2.63	9.25	0.12
140TC			15.48			7.25										
180TC																
210TC																
Triple		56C	8.25	8.00	14.39	5.37	3.56	7.00	.63	.44	1.50	1.38	2.63	9.25	0.12	5.88
		140TC														
4	Double	56C	8.25	9.00	15.05	6.17	3.50	7.88	.63	.56	1.75	1.69	3.39	10.51	0.13	5.88
		140TC			16.82											7.25
		180TC														
		210TC														
		250TC														
	Triple	56C	8.25	9.00	15.80	6.17	3.50	7.88	.63	.56	1.75	1.69	3.39	10.51	0.13	5.88
		140TC			17.57											7.25
		180TC														

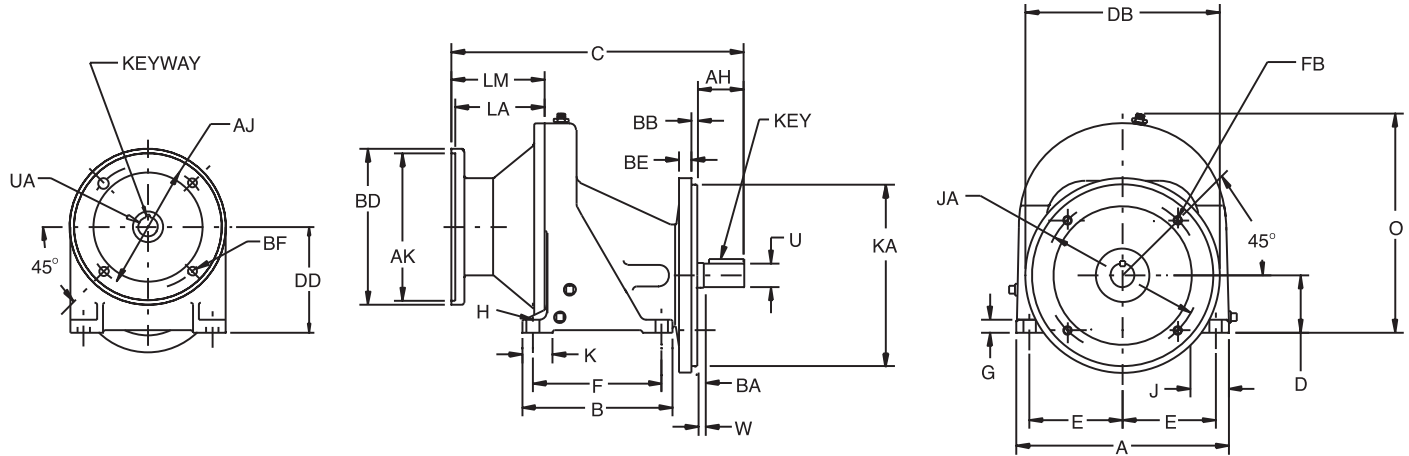
Size	Red.	Frame Size	AK	BA	BD	BF	No. of Holes	DD	LA	LM	RB †	UA	K.W. Sq.	U		Key									
														Min.	Max.	Square	Length								
2	Double	56C	4.50	.81	6.50	0.41	4	3.70	-	3.63	NR	.625	.188	.999	1.000	0.25	1.75								
		140TC										.875													
		180TC	8.50		9.00	0.53			4.31	4.53		1.25	1.125					.250							
	Triple	56C	4.50	.81	6.50	0.41	4	3.70	-	3.63	NR	.625	.188	.999	1.000	0.25	1.75								
		140TC										.875													
3	Double	56C	4.50	1.07	6.50	0.41	4	4.38	-	3.63	NR	.625	.188	1.249	1.250	0.25	1.75								
		140TC										.875													
		180TC	8.50		9.00	0.53			5.19	5.41		0.50	1.125					.250							
		210TC										1.25	1.375					.313							
	Triple	56TC	4.50	1.07	6.50	0.41	4	4.38	-	3.63	NR	.625	.188	1.249	1.250	0.25	1.75								
		140TC										.875													
4	Double	56C	4.50	.97	6.50	0.41	4	4.82	-	3.63	NR	.625	.188	1.624	1.625	0.375	2.75								
		140TC										.875													
		180TC	8.50		9.00	0.53			5.19	5.41		0.88	1.125					.250							
		210TC									1.375		.313												
		250TC									1.625		.375												
	Triple	56C	4.50	.97	6.50	0.41	4	4.82	-	3.63	NR	.625	.188	1.624	1.625	0.375	2.75								
		140TC										.875													
		180TC	8.50		9.00	0.53			5.19	5.41		1.125	.250												

All dimensions in inches.

† Dimensions represent the height of the riser block that comes standard with the gearmotor.

NR indicates that riser block is not required.

APG C-Face Reducer With Flanged Output SINGLE REDUCTION - SIZES 2-4



Size	Red.	Frame Size	A	B	C	D	E	F	G	H	J	K	O	W	AH	AJ	AK	BA	BB	BD
2	Single	56C	7.12	6.25	11.40	2.20	3.15	5.35	.62	.38	1.38	1.44	6.97	.10	1.85	5.88	4.50	1.31	0.12	6.50
		140TC			12.31								8.18			7.25	8.50			9.00
		180TC																		
3	Single	56C	8.25	6.62	12.92	2.51	3.56	5.62	.63	.44	1.56	1.38	8.50	.12	2.63	5.88	4.50	1.66	0.24	6.50
		140TC			14.70								8.88			7.25	8.50			9.00
		180TC																		
		210TC																		
4	Single	56C	8.25	7.62	13.63	2.55	3.50	6.50	.63	.56	1.75	1.69	8.44	.12	2.63	5.88	4.50	1.69	0.24	6.50
		140TC			15.38								9.32			7.25	8.50			9.00
		180TC																		
		210TC																		
		250TC																		

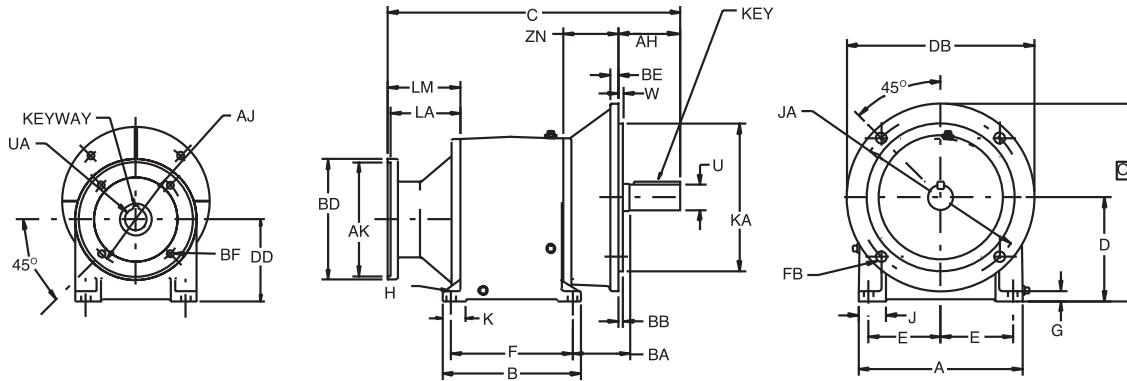
Size	Red.	Frame Size	BE	BF	# of Holes	DB	DD	FB	# of Holes	JA	KA	LA	LM	ZN	UA	K.W. Sq.	U		Key	
																	Min	Max	Sq.	Length
2	Single	56C	.56	.44	4	6.50	3.68	3/8-16 THD	4	5.88	4.50	3.43	3.62	-	.625	.188	.874	.875	.1875	1.25
		140TC		.56								4.31	4.53		.875	.250				
		180TC										1.125	.313							
3	Single	56C	.51	.41	4	9.00	4.38	1/2-13 THD	4	7.25	8.50	-	3.63	-	.625	.188	1.124	1.125	.250	1.75
		140TC		.53								5.19	5.41		.875	.250				
		180TC										1.125	.313							
		210TC										1.375	.375							
4	Single	56C	.51	.41	4	9.00	4.82	1/2-13 THD	4	7.25	8.50	-	3.63	-	.625	.188	1.124	1.125	.250	1.75
		140TC		.53								5.19	5.41		.875	.250				
		180TC										1.125	.313							
		210TC										1.375	.375							
		250TC										1.625	.438							

All dimensions in inches.
Dimensions in parentheses indicate negative values

Note: Output flange dimensions on size SM2 are equal to the NEMA 140TC dimensions and SM3 and SM4 are equal to NEMA 180TC dimensions

APG C-Face Reducer With Flanged Output

DOUBLE, TRIPLE REDUCTION - SIZES 2-4



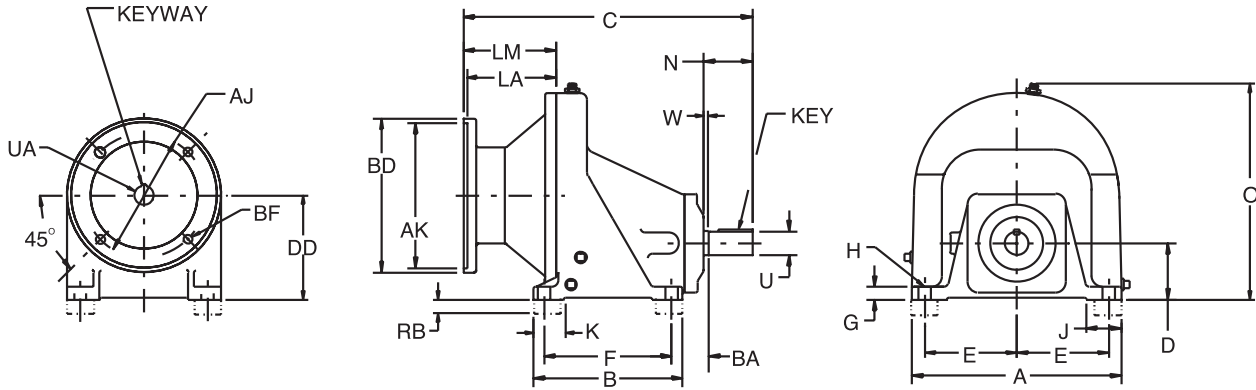
Size	Red.	Frame Size	A	B	C	D	E	F	G	H	J	K	O	W	AH	AJ	AK	BA	BB	BD
2	Double	56C	7.12	7.06	13.95	4.56	3.15	6.30	.63	.38	1.38	1.31	9.48	.03	2.81	5.88	4.50	1.72	.19	6.50
		140TC			14.84											7.25	8.50			9.00
		180TC																		
	Triple	56C	7.12	7.06	14.53	4.56	3.15	6.30	.63	.38	1.38	1.31	9.48	.03	2.81	5.88	4.50	1.72	.19	6.50
		140TC																		
		210TC																		
3	Double	56C	8.25	8.00	15.88	5.37	3.56	7.00	.63	.44	1.50	1.38	10.29	(.07)	3.31	5.88	4.50	2.38	.19	6.50
		140TC			17.66											7.25	8.50			9.00
		180TC																		
	Triple	56C	8.25	8.00	16.57	5.37	3.56	7.00	.63	.44	1.50	1.38	10.29	(.07)	3.31	5.88	4.50	2.38	.19	6.50
		140TC																		
		210TC																		
4	Double	56C	8.25	9.00	17.01	6.17	3.50	7.88	.63	.56	1.75	1.69	11.67	.25	4.00	5.88	4.50	2.44	.19	6.50
		140TC			18.79											7.25	8.50			9.00
		180TC																		
	Triple	56C	8.25	9.00	17.76	6.17	3.50	7.88	.63	.56	1.75	1.69	11.67	.25	4.00	5.88	4.50	2.44	.19	6.50
		140TC			19.54											7.25	8.50			9.00
		180TC																		

Size	Red.	Frame Size	BE	BF	No. of Holes	DB	DD	FB	No. of Holes	JA	KA	LA	LM	ZN	UA	K.W. Sq.	U		Key	
																	Min.	Max.	Sq.	Length
2	Double	56C	.40	.41	4	9.84	3.70	.53	4	8.50	7.13	-	3.63	2.31	.625	.188	1.124	1.125	0.25	1.75
		140TC		.53											.875					
		180TC										4.31	4.53		1.125					
	Triple	56C	.40	.41	4	9.84	3.70	.53	4	8.50	7.13	-	3.63	2.31	.625	.188	1.124	1.125	0.25	1.75
		140TC													.875					
		210TC													1.125					
3	Double	56C	.50	.41	4	9.84	4.39	.53	4	8.50	7.13	-	3.63	2.94	.625	.188	1.374	1.375	0.313	2.38
		140TC		.53											.875					
		180TC										5.19	5.41		1.125					
	Triple	56C	.50	.41	4	9.84	4.39	.53	4	8.50	7.13	-	3.63	2.94	.625	.188	1.374	1.375	0.313	2.38
		140TC													.875					
		210TC													1.125					
4	Double	56C	.50	.41	4	11.00	4.82	.53	4	10.00	9.00	-	3.63	2.88	.625	.188	1.624	1.625	0.375	2.75
		140TC		.53											.875					
		180TC										5.19	5.41		1.125					
	Triple	56C	.50	.41	4	11.00	4.82	.53	4	10.00	9.00	-	3.63	2.88	.625	.188	1.624	1.625	0.375	2.75
		140TC		.53											.875					
		180TC										5.19	5.41		1.125					

All dimensions in inches.

Dimensions in parentheses indicate negative values

APG C-Face Reducers SINGLE REDUCTION - SIZES 5 AND 6



Size	Red.	Frame Size	A	B	C	D	E	F	G	H	J	K	N	O	W	AJ										
5	Single	56C	12.25	8.69	16.94	3.30	5.38	7.44	0.75	0.72	2.06	1.75	2.85	12.25	0.06	5.88										
		140TC														7.25										
		180TC																								
		210TC																								
		250TC			17.69											9.00										
		280TC																								
6	Single	56C	12.25	10.44	18.85	4.21	5.13	8.62	1.00	0.88	2.44	2.56	3.62	13.75	0.12	5.88										
		140TC														7.25										
		210TC																								
		250TC														9.00										
		280TC			19.60																					
		320TC			20.94									14.60		11.00										
		360TC																								

Size	Red.	Frame Size	AK	BA	BD	BF	No. of Holes	DD	LA	LM	RB †	UA	K. W. Sq.	U		Key	
														Min.	Max.	Square	Length
5	Single	56C	4.88	1.97	6.50	0.41	4	6.10	5.19	5.41	NR	0.625	0.250	1.375	1.375	.313	2.00
		140TC										0.875					
		180TC										1.125					
		210TC	1.375														
		250TC	1.625		0.375												
		280TC	10.50		1.875	0.500											
6	Single	56C	4.88	2.31	6.50	0.41	4	7.60	5.19	5.41	NR	0.625	0.313	1.749	1.750	.375	2.75
		140TC										0.875					
		180TC										1.125					
		210TC	8.50		9.00	0.53			1.375								
		250TC							1.625	0.375							
		280TC							10.50	1.875	0.500						
		320TC	12.50		14.00	0.66			2.125	0.500							
		360TC							2.375		0.625						

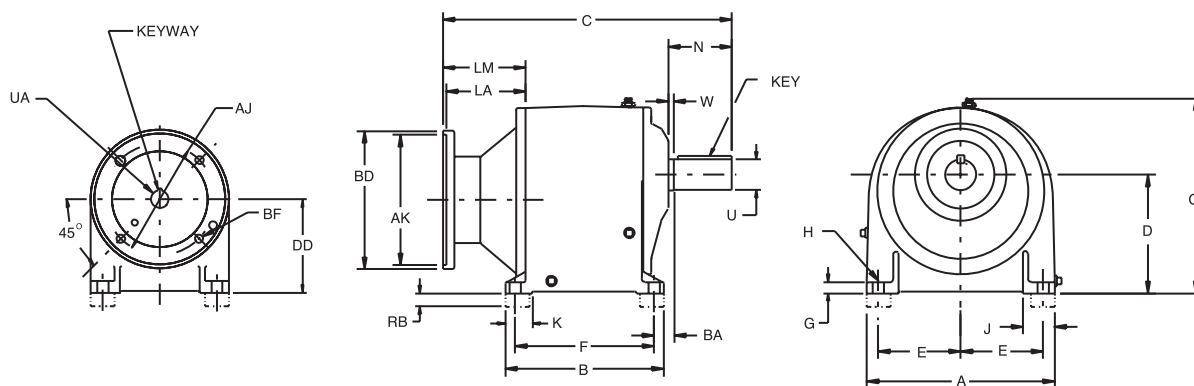
All dimensions in inches.

† Dimensions represent the height of the riser block that comes standard with the gearmotor.

NR indicates that riser block is not required.

APG C-Face Reducers

DOUBLE, TRIPLE REDUCTION - SIZES 5 AND 6



Size	Red.	Frame Size	A	B	C	D	E	F	G	H	J	K	N	O	W	AJ
5	Double	56C	12.25	10.31	18.85	7.74	5.38	9.06	0.74	0.72	2.06	1.75	4.13	12.29	0.15	5.88
		140TC														7.25
		180TC														
		210TC														
		250TC														
	Triple	280TC	19.60	9.00												
		56C	12.25	10.31	17.96	7.74	5.38	9.06	0.74	0.72	2.06	1.75	4.13	12.29	0.15	5.88
		140TC														7.25
		180TC														
210TC																
6	Double	56C	12.00	12.88	21.10	9.85	5.13	11.00	1.00	0.88	2.44	2.56	4.87	15.66	0.12	5.88
		140TC														7.25
		180TC														
		210TC														
		250TC														
		280TC			21.85											9.00
		320TC			23.19											11.00
	Triple	56C	12.00	12.88	20.34	9.85	5.13	11.00	1.00	0.88	2.44	2.56	4.87	15.66	0.12	5.88
		140TC														7.25
		180TC														
		210TC														
		250TC														
		280TC			22.87											9.00

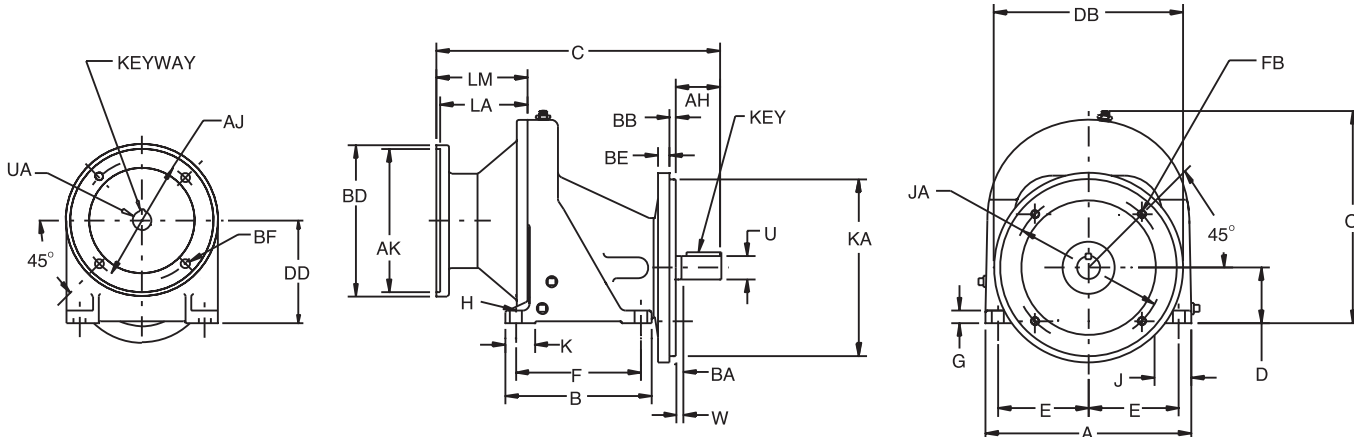
Size	Red.	Frame Size	AK	BA	BD	BF	No. of Holes	DD	LA	LM	RB †	UA	K.W.	U		Key				
														Min.	Max.	Square	Length			
5	Double	56C	4.50	1.08	6.50	0.41	4	6.10	5.19	5.41	NR	0.625	0.188	1.999	2.000	0.500	3.50			
		140TC			0.875															
		180TC	8.50		9.00	0.53						1.125	0.250							
		210TC									1.375	0.313								
		250TC									1.25	1.625	0.375							
	280TC	10.50	11.25	2.00	1.875	0.500														
	Triple	56C	4.50	1.08	6.50	0.41	4	6.10	-	3.63	NR	0.625	0.188	1.999	2.000	0.500	3.50			
		140TC			0.875															
		180TC	8.50		9.00	.053			5.19	5.41		1.125	0.250							
		210TC							1.375	0.313										
6	Double	56C	4.50	1.00	6.50	0.41	4	7.60	5.19	5.41	NR	0.625	0.313	2.374	2.375	0.625	4.00			
		140TC			0.875															
		180TC	8.50		9.00	0.53						1.125								
		210TC									1.375									
		250TC					1.625		0.375											
		280TC	10.50		11.25		5.94		6.16	0.41	1.875	0.500								
		320TC	12.50		14.00	0.66	8		7.28	7.50	1.31	2.125								
		360TC							2.75	2.375	0.625									
	Triple	56C	4.50	1.00	6.50	0.41	4	7.60	-	3.63	NR	0.625	0.188	2.374	2.375	0.625	4.00			
		140TC			0.875															
		180TC	8.50		9.00	0.53			5.19	5.41		1.125	0.250							
		210TC							1.375	0.313										
		250TC							1.625	0.375										
		280TC	10.50		11.25				5.94	6.16	1.875	0.500								

All dimensions in inches.

† Dimensions represent the height of the riser block that comes standard with the gearmotor.

NR indicates that riser block is not required.

APG C-Face Reducers With Flanged Output SINGLE REDUCTION - SIZES 5 AND 6



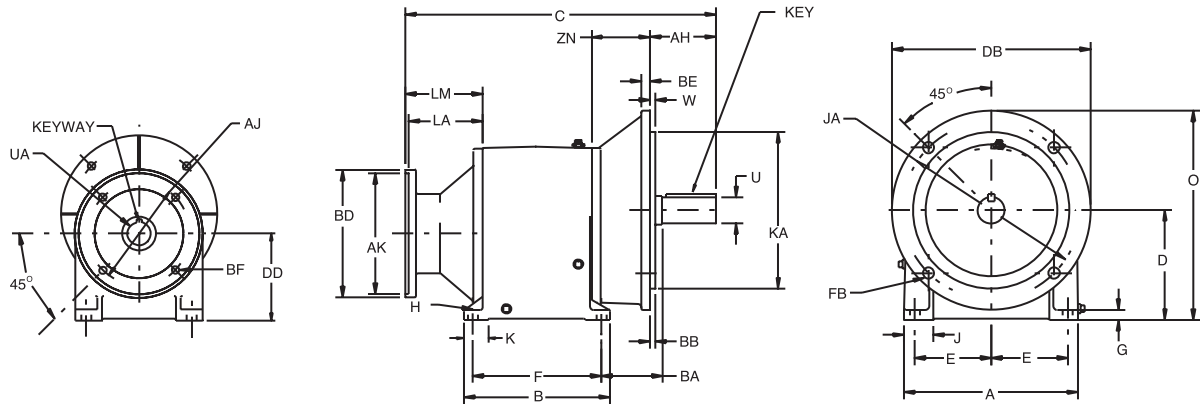
Size	Red.	Frame Size	A	B	C	D	E	F	G	H	J	K	O	W	AH	AJ	AK	BA	BB	BD
5	Single	56C	12.25	8.69	16.94	3.30	5.38	7.44	0.75	0.72	2.06	1.75	12.25	0.06	2.77	5.88	4.88	1.97	0.24	6.50
		140TC														7.25	8.50			9.00
		180TC																		
		210TC																		
		250TC			9.00											10.50	11.25			
6	Single	56C	12.25	10.44	18.85	4.21	5.13	8.62	1.00	0.88	2.44	2.56	13.75	0.00	3.50	5.88	4.88	2.31	0.24	6.50
		140TC														7.25	8.50			9.00
		210TC																		
		250TC																		
		280TC			9.00											10.50	11.25			
		320TC			20.94											11.00	12.51			4.00
		360TC																		

Size	Red.	Frame Size	BE	BF	No. of Holes	DB	DD	FB	No. of Holes	JA	KA	LA	LM	ZN	UA	K.W. Sq.	U		Key	
																	Min.	Max.	Sq.	Length
5	Single	56C	0.94	0.41	4	11.25	6.10	1/2-13 THD	4	9.00	10.50	5.19	5.41	-	0.625	0.188	1.374	1.375	0.313	2.00
		140TC		0.875																
		180TC		1.125																
		210TC		1.375																
		250TC		1.625																
		280TC		1.875																
		5.94	6.16																	
6	Single	56C	0.94	0.41	4	14.00	7.60	5/8-11 THD	4	11.00	12.50	5.19	5.41	-	0.625	0.188	1.749	1.75	0.375	2.75
		140TC		0.875																
		180TC		1.125																
		210TC		1.375																
		250TC		1.625																
		280TC		1.875																
		5.94		6.16																
		320TC		2.125																
		360TC		2.375																
		8	7.28	7.5	0.500															

All dimensions in inches.
Dimensions in parentheses indicate negative values

APG C-Face Reducer With Flanged Output

DOUBLE, TRIPLE REDUCTION - SIZES 5 AND 6



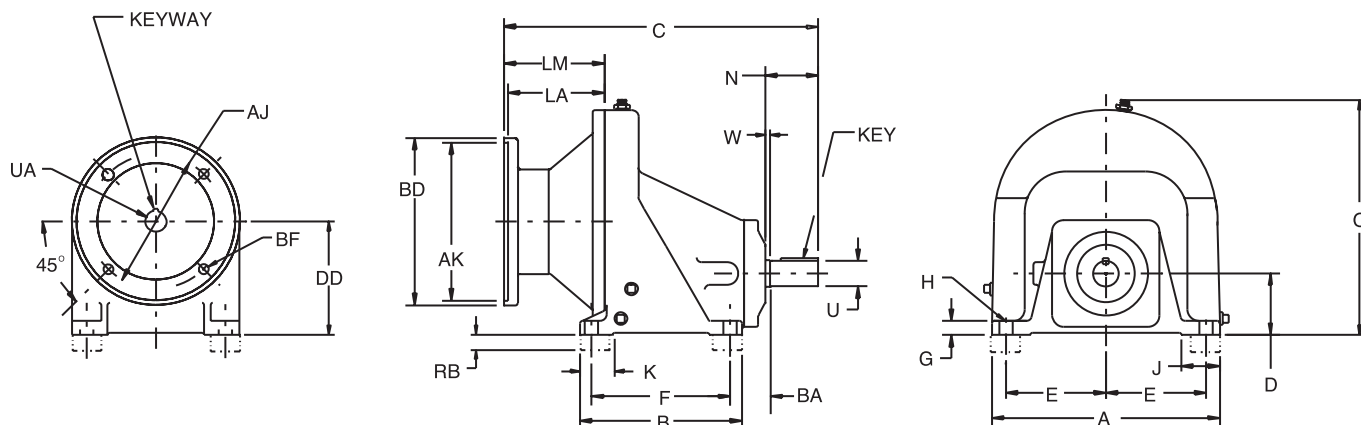
Size	Red.	Frame Size	A	B	C	D	E	F	G	H	J	K	O	W	AH	AJ	AK	BA	BB	BD
5	Double	56C	12.25	10.31	21.84	7.74	5.38	9.06	0.74	0.72	2.06	1.75	14.74	(0.19)	4.62	5.88	4.50	3.43	0.19	6.50
		140TC														7.25	8.50			9.00
		180TC																		
		210TC																		
		250TC																		
	280TC	22.59	9.00	10.50	11.25															
	Triple	56C	12.25	10.31	20.94	7.74	5.38	9.06	0.74	0.72	2.06	1.75	14.74	(0.19)	4.62	5.88	4.50	3.43		6.50
		140TC														7.25	8.50			9.00
		180TC																		
		210TC																		
250TC																				
280TC	22.71	7.25	8.50	9.00																
6	Double	56C	12.00	12.88	24.79	9.85	5.13	11.00	1.00	0.88	2.44	2.56	18.85	0.07	5.88	5.88	4.50	3.79	0.19	6.50
		140TC														7.25	8.50			9.00
		180TC																		
		210TC																		
		250TC																		
		280TC			25.54											9.00	10.50			11.25
		320TC			11.00											12.50	14.00			
	360TC																			
	Triple	56C	12.00	12.88	24.03	9.85	5.13	11.00	1.00	0.88	2.44	2.56	18.85	0.07	5.88	5.88	4.50	3.79		6.50
		140TC														7.25	8.50			9.00
		180TC																		
		210TC																		
		250TC																		
		280TC			25.81											7.25	8.50			9.00
280TC		26.56			9.00											10.50	11.25			

Size	Red.	Frame Size	BE	BF	No. of Holes	DB	DD	FB	No. of Holes	JA	KA	LA	LM	ZN	UA	K.W. Sq.	U		Key	
																	Min.	Max.	Sq.	Length
5	Double	56C	0.63	0.41	4	14.00	6.10	0.812	4	12.50	11.00	5.19	5.41	4.12	0.625	0.188	1.874	1.875	0.500	3.50
		140TC		0.875																
		180TC		1.125																
		210TC		1.375																
		250TC		1.625																
		280TC		1.875																
	Triple	56C	0.63	0.41	4	14.00	6.10	0.812	4	12.50	11.00	-	3.63	4.12	0.625	0.188	1.874	1.875	0.500	3.50
		140TC		0.875																
		180TC		1.125																
		210TC		1.375																
6	Double	56C	0.75	0.41	4	18.00	7.60	0.812	4	16.00	14.00	5.19	5.41	4.56	0.625	0.188	2.374	2.375	0.625	4.00
		140TC		0.53											0.875					
		180TC													1.125					
		210TC													1.375					
		250TC													1.625					
		280TC										1.875								
		320TC										2.125								
		360TC										2.375								
	Triple	56C	0.75	0.41	4	18.00	7.60	0.812	4	16.00	14.00	-	3.63	4.56	0.625	0.188	2.375	2.375	0.625	4.00
		140TC		0.53								0.875								
		180TC										1.125								
		210TC										1.375								
		250TC										1.625								
		280TC										1.875								

All dimensions in inches.

Dimensions in parentheses indicate negative values

APG C- Face Reducer SINGLE REDUCTION - SIZES 7 AND 8



Size	Red.	Frame Size	A	B	C	D	E	F	G	H	J	K	N	O	W	AJ
7	Single	180TC	18.25	12.50	21.47	6.62	7.81	10.12	1.38	1.31	3.38	3.00	4.50	20.06	0.16	7.25
		210TC														
		250TC														
		280TC			22.22											9.00
		320TC			23.52											11.00
360TC																
8	Single	280TC	18.25	14.25	24.69	6.15	7.81	11.88	1.75	1.31	3.50	3.75	5.62	20.44	0.16	9.00
		320TC			26.00											11.00
		360TC														

Size	Red.	Frame Size	AK	BA	BD	BF	No. of Holes	DD	LA	LM	RB †	UA	K.W. Square	U		Key				
														Min.	Max.	Square	Length			
7	Single	180TC	8.50	3	9.00	0.53	4	10.94	5.19	5.41	NR	1.125	0.25	2.249	2.250	0.500	3.50			
		210TC										1.375	0.312							
		250TC										1.625	0.375							
		280TC	10.50		11.25	0.66	8		5.94	6.16		1.875	0.500							
		320TC										2.125	0.500							
		360TC										2.375	0.625							
8	Single	280TC	10.50	3	11.25	0.53	4	11.42	5.94	6.16	NR	1.875	0.500	2.749	2.750	0.625	5.00			
		320TC										2.125	0.500							
		360TC			14.00	0.66	8		7.25	7.47		2.375	0.625							
												2.375	0.625							

All dimensions in inches.

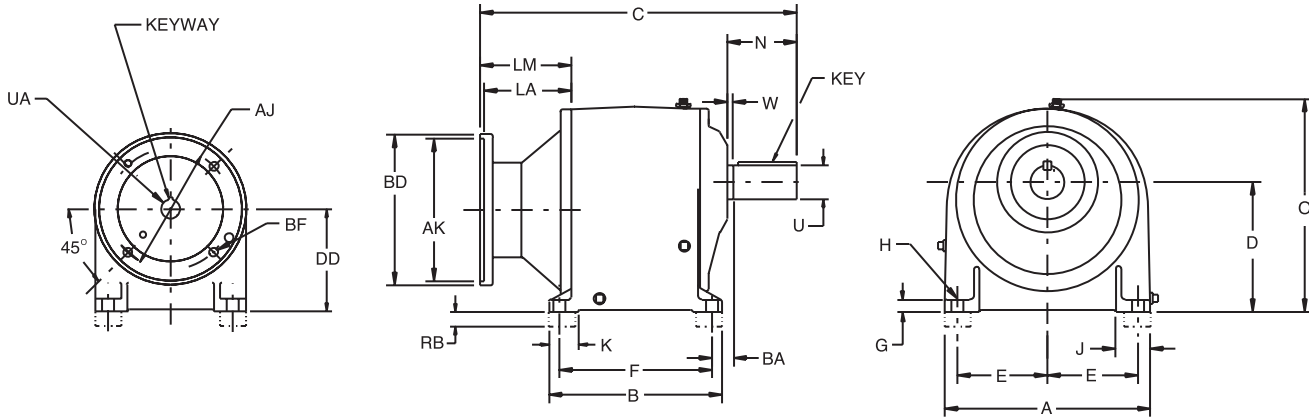
† Dimensions represent the height of the riser block that comes standard with the gearmotor.

NR indicates that riser block is not required.

NOTE: Flange mounting is not available on single reduction size 7 and 8 reducers.

APG C-Face Reducer

DOUBLE, TRIPLE REDUCTION - SIZES 7 AND 8



Size	Red.	Frame Size	A	B	C	D	E	F	G	H	J	K	N	O	W	AJ
7	Double	180TC	18.25	16.12	24.36	13.92	7.81	13.75	1.38	1.31	3.31	3.44	5.94	21.65	0.19	7.25
		210TC														
		250TC														
		280TC														
		320TC														
		360TC			25.11											
	Triple	180TC	18.25	16.12	25.57	13.92	7.81	13.75	1.38	1.31	3.31	3.44	5.94	21.65	0.19	7.25
		210TC														
		250TC														
		280TC														
		320TC														
8	Double	250TC	18.25	18.62	29.68	15.21	7.81	16.16	1.75	1.31	3.44	3.75	7.48	24.36	0.23	7.25
		280TC														
		320TC														
		360TC														
		360TC			30.99											
	Triple	180TC	18.25	18.62	30.38	15.21	7.81	16.16	1.75	1.31	3.44	3.75	7.48	24.36	0.23	7.25
		210TC														
		250TC														
		280TC														
		320TC														
		360TC			31.13											
		360TC			32.47											

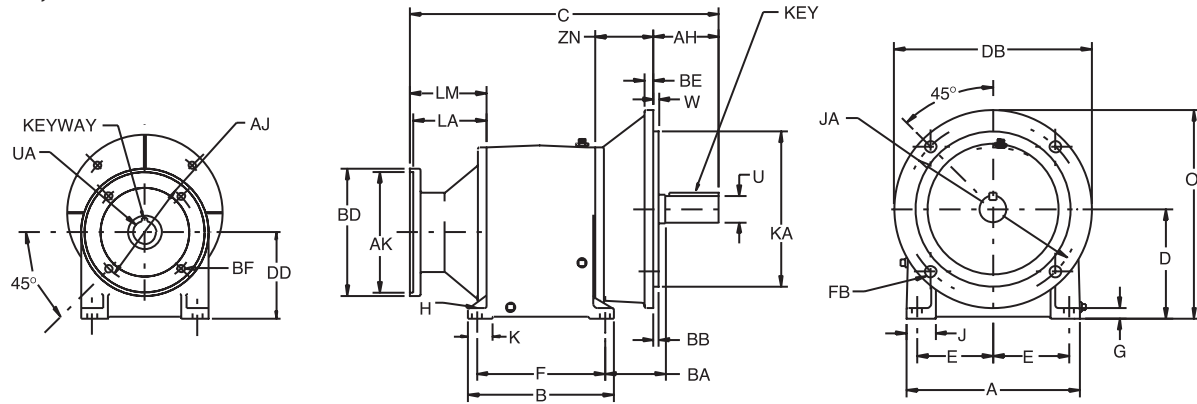
Size	Red.	Frame Size	AK	BA	BD	BF	#Input Holes	DD	LA	LM	RB †	UA	K.W. Sq.	U		Key	
														Min.	Max.	Sq.	Length
7	Double	180TC	8.50	0.87	9.00	0.53	4	10.95	5.19	5.41	NR	1.125	0.250	2.874	2.875	0.75	5.00
		210TC										1.375	0.313				
		250TC										1.625	0.375				
		280TC										1.875	0.500				
		320TC										2.125	0.625				
		360TC										2.375	0.625				
	Triple	180TC	8.50	0.87	9.00	0.53	4	10.95	5.19	5.41	NR	1.125	0.250	2.874	2.875	0.75	5.00
		210TC										1.375	0.313				
		250TC										1.625	0.375				
		280TC										1.875	0.500				
		320TC										2.125	0.625				
8	Double	250TC	8.50	1.61	9.00	0.53	4	11.42	5.19	5.41	NR	1.625	0.375	3.624	3.625	0.875	6.00
		280TC										1.875	0.500				
		320TC										2.125	0.625				
		360TC										2.375	0.625				
		360TC										2.375	0.625				
	Triple	180TC	8.50	1.61	9.00	0.53	4	11.42	5.19	5.41	NR	1.125	0.250	3.624	3.625	0.875	6.00
		210TC										1.375	0.313				
		250TC										1.625	0.375				
		280TC										1.875	0.500				
		320TC										2.125	0.625				
		360TC										2.375	0.625				
		360TC										2.375	0.625				

All dimensions in inches.

† Dimensions represent the height of the riser block that comes standard with the gearmotor.

NR indicates that riser block is not required.

APG C-Face Reducer With Flanged Output DOUBLE, TRIPLE REDUCTION - SIZES 7 AND 8



Size	Red.	Frame Size	A	B	C	D	E	F	G	H	J	K	AH	O	W	AJ	AK	BA	BB	BD	
7	Double	180TC	18.25	16.12		13.92	7.81	13.75	1.38	1.31	3.31	3.44	7.25	24.79	(0.22)			4.92	0.25	9.00	
		210TC			29.89																
		250TC																			
		280TC			30.64																
		320TC																			
		360TC			31.95																
	Triple	180TC	18.25	16.12		13.92	7.81	13.75	1.38	1.31	3.31	3.44	7.25	24.79	(0.22)			4.92	0.25	9.00	
		210TC			31.1																
		250TC																			
		280TC			31.85																
		320TC																			
		360TC			33.15																
8	Double	250TC	18.25	18.62		15.21	7.81	16.16	1.75	1.31	3.44	3.75	08.5	28.22	0.00	7.25	8.50	4.31	0.22	9.00	
		280TC			33.58											9.00	10.50			11.25	
		320TC			34.89											11.00	12.50			14.00	
		360TC																			
	Triple	180TC	18.25	18.62		15.21	7.81	16.16	1.75	1.31	3.44	3.75	8.50	28.22	0.00			4.31		0.22	9.00
		210TC			34.28																
		250TC																			
		280TC			35.03																
		320TC																			
		360TC			36.34											11.00	12.50				14.00

Size	Red.	Frame Size	BE	BF	# Input Holes	DB	DD	FB	# Output Holes	JA	KA	LA	LM	RB †	ZN	UA	K.W. Sq.	U		Key									
																		Min.	Max.	Sq.	Length								
7	Double	180TC	1.00	0.53	4	21.75	10.95	0.81	8	20.00	18.00	5.19	5.41	NR	6.31	1.125	0.250	2.874	2.875	0.75	5.00								
		210TC														1.375	0.313												
		250TC										5.94	6.16			1.625	0.375												
		280TC														1.875	0.500												
		320TC		0.69	8							7.25	7.47			2.125	0.625												
		360TC														2.375	0.625												
	Triple	180TC	1.00	0.53	4	21.75	10.95	0.81	8	20.00	18.00	5.19	5.41	NR	6.31	1.125	0.250	2.874	2.875	0.75	5.00								
		210TC														1.375	0.313												
		250TC										5.94	6.16			1.625	0.375												
		280TC														1.875	0.500												
		320TC		0.69	8							7.25	7.47			2.125	0.625												
		360TC														2.375	0.625												
8	Double	250TC	1.00	0.53	4	26.00	11.42	0.81	8	24.00	22.00	5.19	5.41	NR	5.88	16.25	0.375	3.624	3.625	0.875	6.00								
		280TC										5.94	6.16			1.875	0.500												
		320TC		0.69	8											2.125	0.625												
		360TC			7.25							7.47				2.375	0.625												
		Triple		180TC	1.00							0.53	4			26.00	11.42					0.81	8	24.00	22.00	5.19	5.41	NR	5.80
	210TC		1.375	0.313																									
	250TC		5.94	6.16			1.625	0.375																					
	280TC						1.875	0.500																					
	320TC		0.69	8							7.25	7.47			2.125			0.625											
	360TC														2.375			0.625											

All dimensions in inches.
Dimensions in parentheses indicate negative values
† Dimensions represent the height of the riser block that comes standard with the gearmotor.
NR indicates that riser block is not required.

APG

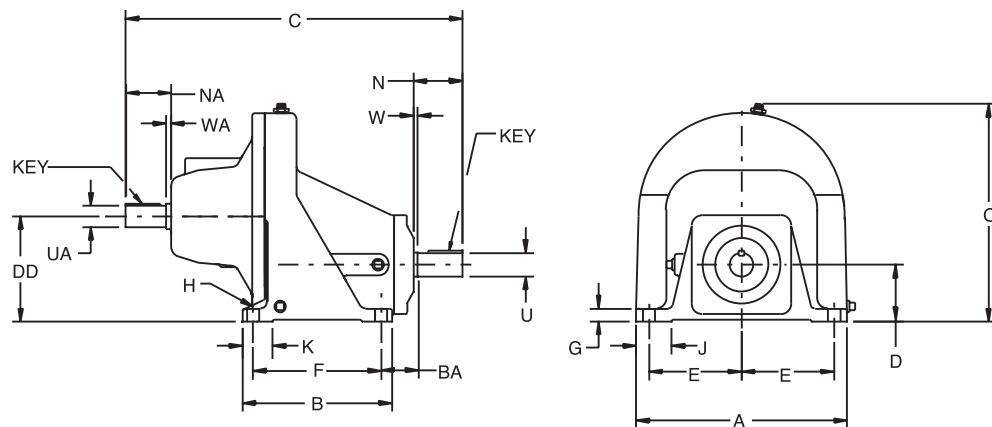
MASTER XL



MOTO DRIVE



Separate Reducers SINGLE REDUCTION - SIZES 3 - 8



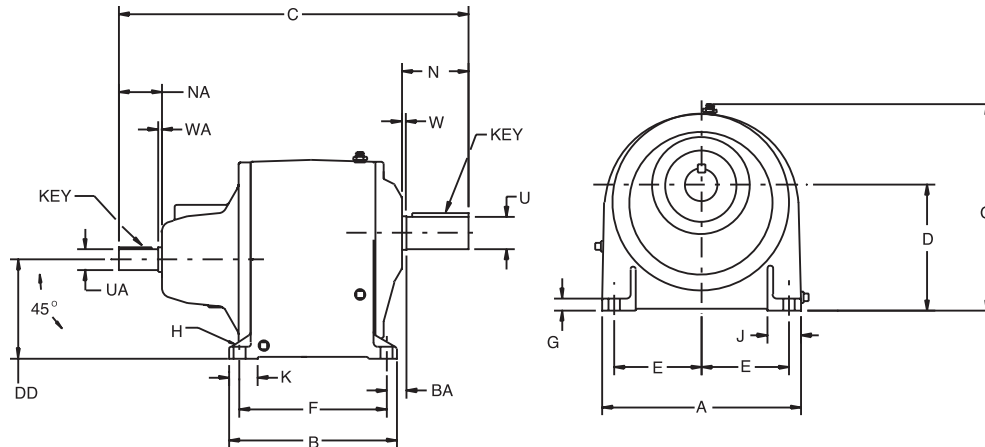
Size	A	B	C	D	E	F	G	H	J	K	N	O	W
SR3	8.25	6.62	16.12	2.51	3.56	5.62	0.62	0.44	1.56	1.38	2.63	8.50	0.12
SR4	8.25	7.62	16.84	2.55	3.50	6.50	0.62	0.56	1.75	1.69	2.63	8.94	0.12
SR5	12.25	8.69	19.65	3.30	5.38	7.44	0.75	0.72	2.06	1.75	2.85	12.25	0.06
SR6	12.25	10.44	23.37	4.21	5.13	8.62	1.00	0.88	2.44	2.56	3.62	13.75	0.12
SR7	18.25	12.50	31.75	6.62	7.81	10.12	1.38	1.31	3.38	3.00	4.50	20.06	0.16
SR8	18.25	14.25	34.34	6.15	7.81	11.88	1.75	1.31	3.50	3.75	5.62	20.44	0.16

Size	BA	DD	NA	WA	Input Shaft				Output Shaft				Fan
					UA		Key		U		Key		X
					Min.	Max.	Square	Length	Min.	Max.	Square	Length	
SR3	1.62	4.38	2.12	0.12	0.999	1.00	0.250	1.75	1.124	1.125	0.250	1.75	N.R.
SR4	1.69	4.82	2.12	0.12	0.999	1.00	0.250	1.75	1.124	1.125	0.250	1.75	N.R.
SR5	1.97	6.10	2.62	0.12	1.249	1.25	0.250	2.00	1.374	1.375	0.313	2.00	N.R.
SR6	2.19	7.60	3.12	0.12	1.499	1.50	0.375	2.50	1.749	1.750	0.375	2.75	N.R.
SR7	3.00	10.94	2.52*	0.12	2.124	2.125	0.500	3.75	2.249	2.250	0.500	3.50	7.98
SR8	3.00	11.42	2.52*	0.12	2.124	2.125	0.500	3.75	2.749	2.750	0.625	5.00	7.98

* Size 7 and 8 single reduction units are supplied with a fan on the input shaft. Dimension NA is useable input shaft length in front of the fan and X is fan shroud diameter. All dimensions in inches.

Separate Reducers

DOUBLE REDUCTION - SIZE 3 - 8



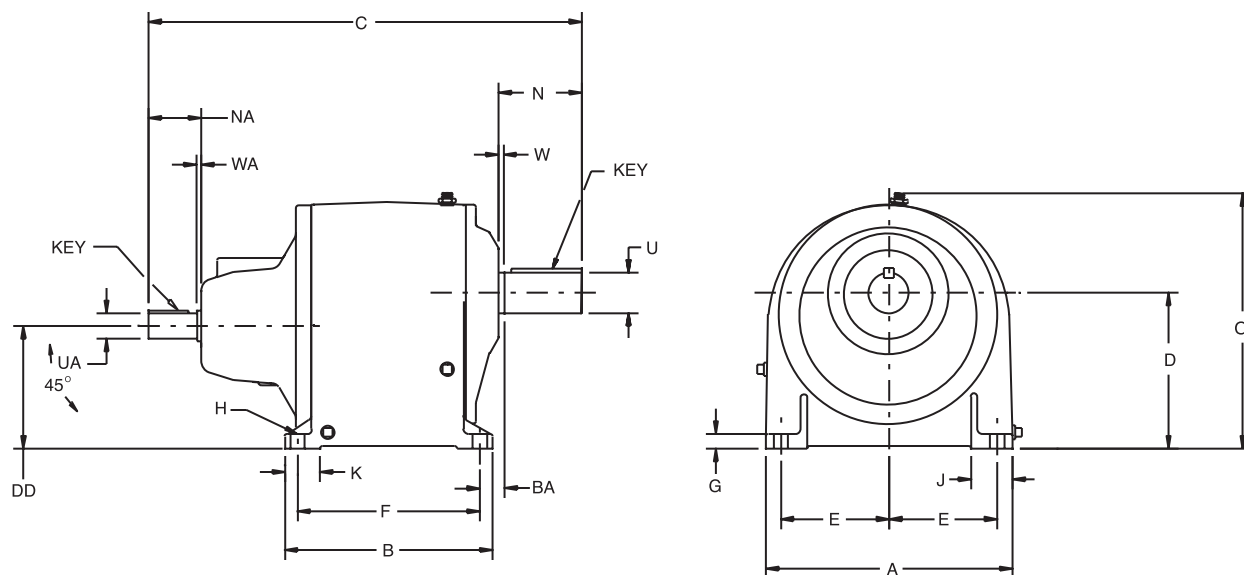
Size	A	B	C	D	E	F	G	H	J	K	N	O	W
DR3	8.25	8.00	16.94	5.37	3.56	7.00	0.63	0.44	1.50	1.38	2.63	8.75	0.12
DR4	8.25	9.00	18.29	6.17	3.50	7.88	0.63	0.56	1.75	1.69	3.39	10.03	0.13
DR5	12.25	10.31	21.56	7.74	5.38	9.06	0.74	0.72	2.06	1.75	4.13	12.29	0.15
DR6	12.25	12.88	25.62	9.85	5.13	11.00	1.00	0.88	2.44	2.56	4.87	15.66	0.12
DR7	18.25	16.12	34.64	13.92	7.81	13.75	1.36	1.31	3.31	3.44	5.94	21.65	0.19
DR8	18.25	18.62	39.21	15.21	7.81	16.16	1.75	1.31	3.44	3.75	7.48	24.36	0.23

Size	BA	DD	NA	WA	Input Shaft				Output Shaft				Fan
					UA		Key		U		Key		X
					Min.	Max.	Square	Length	Min.	Max.	Square	Length	
DR3	1.07	4.39	2.12	0.12	0.999	1.000	0.250	1.75	1.249	1.250	0.250	1.75	N.R.
DR4	0.98	4.82	2.12	0.12	0.999	1.000	0.250	1.75	1.624	1.625	0.375	2.75	N.R.
DR5	1.08	6.10	2.62	0.12	1.249	1.250	0.250	2.00	1.999	2.000	0.500	3.50	N.R.
DR6	1.00	7.60	3.12	0.12	1.499	1.500	0.375	2.50	2.374	2.375	0.625	4.00	N.R.
DR7	0.94	10.95	2.52*	0.12	2.124	2.125	0.500	3.75	2.874	2.875	0.750	5.00	7.98
DR8	1.61	11.42	2.52*	0.12	2.124	2.125	0.500	3.75	3.624	3.625	0.875	6.00	7.98

* Size 7 and 8 single reduction units are supplied with a fan on the input shaft. Dimension NA is useable input shaft length in front of the fan and X is fan shroud diameter. All dimensions in inches.

Separate Reducers

TRIPLE REDUCTION - SIZES 3 - 8



Size	A	B	C	D	E	F	G	H	J	K	N	O	W
TR3	8.25	8.00	17.63	5.37	3.56	7.00	0.63	0.44	1.50	1.38	2.63	8.75	0.12
TR4	8.25	9.00	19.04	6.17	3.50	7.88	0.63	0.56	1.75	1.69	3.39	10.03	0.13
TR5	12.25	10.31	22.43	7.74	5.38	9.06	0.74	0.72	2.06	1.75	4.13	12.29	0.15
TR6	12.25	12.88	26.64	9.85	5.13	11.00	1.00	0.88	2.44	2.56	4.87	15.66	0.12
TR7	18.25	16.12	35.78	13.92	7.81	13.75	1.36	1.31	3.31	3.44	5.94	21.65	0.19
TR8	18.25	18.62	40.59	15.21	7.81	16.16	1.75	1.31	3.44	3.75	7.48	24.36	0.23

Size	BA	DD	NA	WA	Input Shaft				Output Shaft			
					UA		Key		U		Key	
					Min.	Max.	Square	Length	Min.	Max.	Square	Length
TR3	1.07	4.39	2.12	0.12	0.999	1.000	0.250	1.75	1.25	1.25	0.25	1.75
TR4	0.98	4.82	2.12	0.12	0.999	1.000	0.250	1.75	1.62	1.63	0.38	2.75
TR5	1.08	6.10	2.62	0.12	1.249	1.250	0.250	2.00	2.00	2.00	0.50	3.50
TR6	1.00	7.60	3.12	0.12	1.499	1.500	0.375	2.50	2.37	2.38	0.63	4.00
TR7	0.94	10.95	4.37*	0.12	2.124	2.125	0.500	3.75	2.87	2.88	0.75	5.00
TR8	1.61	11.42	4.37*	0.12	2.124	2.125	0.500	3.75	3.62	3.63	0.88	6.00

All dimensions in inches.

APG Gearmotors

Single Reduction Gearmotor - Foot Mounted and Flange Mounted

* C1	C2	C3
C4	C5	C6
* CF1	CF2	CF3
CF4	CF5	CF6
NOTE: Shaded boxes indicate mounting not recommended. These should be avoided. Use of product in positions not recommended negates time-in-use warranty.		

* Standard Mounting Position

APG

MASTER XL

COMBOGEAR

MOTO DRIVE

ULTIMA

PULLEYS

APG Gearmotors

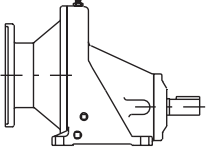
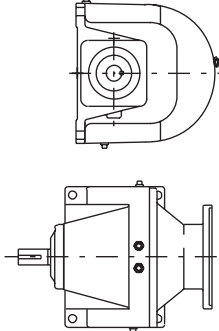
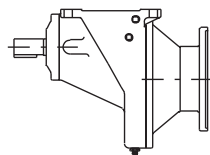
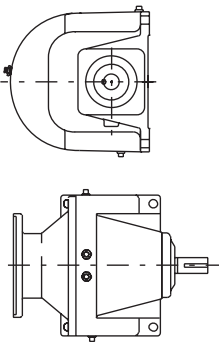
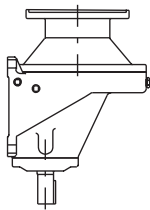
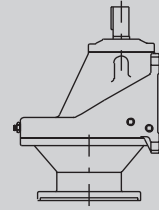
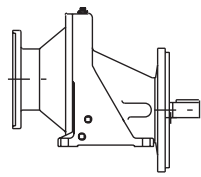
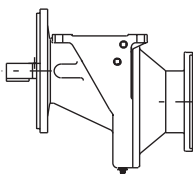
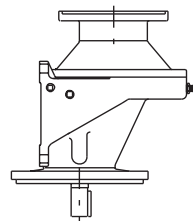
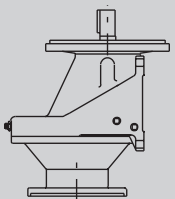
Double/Triple Reduction Gearmotor - Foot Mounted and Flange Mount

* A1	A2	A3
A4	A5	A6
* AF1	AF2	AF3
AF4	AF5	AF6
NOTE: Shaded boxes indicate mounting not recommended. These should be avoided. Use of product in positions not recommended negates time-in-use warranty.		

* Standard Mounting Position

APG C-Face Reducers

Single Reduction C-Face Reducer - Foot Mounted and Flange Mount

* C1		C2		C3	
C4		C5		C6	
* CF1		CF3		CF5	
CF6		NOTE: Shaded boxes indicate mounting not recommended. These should be avoided. Use of product in positions not recommended negates time-in-use warranty.			

* Standard Mounting Position

APG

MASTER XL

COMBOGEAR

MOTO DRIVE

ULTIMA

PULLEYS

APG C-Face Reducers

Double/Triple Reduction C-Face Reducer - Foot Mounted and Flange Mount

* A1		A2		A3	
A4		A5		A6	
* AF1		AF2		AF3	
AF4		AF5		AF6	
NOTE: Shaded boxes indicate mounting not recommended. These should be avoided. Use of product in positions not recommended negates time-in-use warranty.					

* Standard Mounting Position

APG Separate Reducers

Single/Double/Triple Reduction Separate Reducers - Foot Mounted

* C1		C2		C3	
C4		C5	NOT AVAILABLE	C6	
* A1		A2		A3	
A4		A5	NOT AVAILABLE	A6	
NOTE: Shaded boxes indicate mounting not recommended. These should be avoided. Use of product in positions not recommended negates time-in-use warranty.					

* Standard Mounting Position

APG

MASTER XL

COMBOGEAR

MOTO DRIVE

ULTIMA

PULLEYS

APG Modifications and Accessories

Backstop Assemblies

Optional backstops are offered on separate reducers (shaft in/shaft out) for service conditions that require the prevention of reverse rotation. On sizes R3 through R8, backstops are internally installed inside the nosecone on the high speed pinion shaft.

When ordering a reducer with a backstop, the desired direction of rotation of the output shaft **MUST** be specified. Direction of rotation is specified as either CW or CCW facing the output shaft.

Backstops are independently lubricated and require periodic greasing.

WARNING: Backstops are not recommended for applications involving energy absorption and shock or torque loads in excess of reducer ratings nor for applications such as chair lifts, amusement rides, etc., and where safety of persons or property is dependent on their function. On such applications, other safety devices must be provided.

Washdown Option

Washdown APG reducers are designed to survive harsh environments and clean up like new. Washdown APG reducers are suited for wet applications and where frequent washdown is required. Must be used with motor having proper enclosure.

- Housing coated with white Nylon 11
- Electroless nickel plated output shaft
- Stainless steel bolts
- Corrosion resistant plugs
- Double lip seals

Flange Mounting

Flanged output is available on C-face, separate and gearmotors on all sizes except sizes 7 and 8, single reduction.

XT/Washdown Enclosure

These modifications make the gearcase suitable for use outdoors or in chemical, dairy or food processing plants or other locations where high humidity, steam or chemical fumes are present or where the reducer is washed frequently. Must be used with motor having proper enclosure.

XT features

- Double lip seals
- Brass plugs
- Spring loaded brass vent

Optional white epoxy paint available. Contact Customer Service for price and availability.

Brakes

Brakes are available on 1/3 HP through 5 HP APG gearmotors. See gearmotor selection pages for brakes specifications.

APG Installation and Maintenance

The summary information provided below is not intended to give complete information on installation, lubrication and maintenance. Complete details can be found in the instruction manual available at www.master-pt.com.

Installation

Proper installation of APG will insure reliable service and maximum life. Key items to minimize possible failures include:

Gear Case Mounting-To insure uniform pressure mount gear case on flat surface. Use uniform torque when mounting bolts are tightened.

Shaft Overhung Loads-Excessive overhung loads due to over tightening of belts or chains can result in broken shafts and reduce bearing life or failure.

Couplings-Improper coupling alignment can result in excessive stresses on gear unit shaft and bearings.

Shock Loads-Excessive shock loads can also result in damaging stresses on shafting and bearings. See selection procedure, pages APG-4 & APG-5 for correct service factors.

Visual Inspection

In addition to lubrication and installation, regular inspection to insure tightness of bolts and screws, correct alignment of shaft couplings, no major oil leaks, no excessive heating and no unusual vibration or noises will guarantee maximum performance and life of your APG product.

Maintenance Summary for APG

Lubricant provided by the factory will operate (with no change required) up to one year in service. No initial oil change is required. This is one of the performance benefits provided by synthetic lubricant. As long as recommended lubricants are used, the once per year oil change should be continued for the life of the product. At each oil change, fittings provided should be greased using recommended lubricant. The installation and maintenance manual showing recommended lubricants and required oil levels for various mounting positions may be downloaded from www.master-pt.com.

APG Lubrication

The correct amount of oil is important to the performance of APG. Each APG unit has a red oil level plug which indicates the proper oil level for a given mounting position. Changes in the mounting position will require relocation of the level plug and adding or draining lubricant to insure proper amount of lubricant. Check the oil level plug location diagrams in the installation and maintenance manual at www.master-pt.com.

Proper lubrication of APG is extremely important if long trouble free operation is to be expected. Proper lubrication consists of:

1. Use of proper type and grade of lubricant.
2. Maintenance of correct oil level.
3. Drain, flush, and refill at the required intervals.

The APG is filled at the factory with synthetic lubricant to the correct level for the specified mounting position.

The following table lists the typical lubricant supplied in the APG reducer and the approximate amount of lubricant supplied in the standard floor mounted reducers.

Lubricant Capacities

FACTORY LUBE	GEAR SIZE	VOLUME QUARTS	VOLUME GALLONS	QUANTITY OF LUBE	PART NUMBER
MOBIL SHC-634 AGMA7 ISO460	S2A	0.4	0.1	1	411709-66-AE
	S3A	0.75	0.188	1	
	S4A	0.68	0.17	1	
	S5A	1.75	0.438	2	
	S6A	2.5	0.625	3	
	S7A	6.75	1.688	2	411709-66-AF
	S8A	10	2.5	3	
	D1A	0.4	0.1	1	411709-66-AE
	D2A	0.75	0.188	1	411709-66-AE
	D3A	1.25	0.313	1	
	D4A	1.63	0.408	2	411709-66-AE
	D5A	3.25	0.813	1	411709-66-AF
	D6A	5.5	1.375	2	
	D7A	14	3.5	4	
	D8A	19	4.75	5	
	T1A	0.4	0.1	1	411709-66-AE
	T2A	0.75	0.18	1	
	T3A	1.25	0.313	2	
	T4A	1.63	0.408	2	
	T5A	3.25	0.813	1	411709-66-AF
	T6A	5.5	1.375	2	
	T7A	14	3.5	4	
	T8A	19	4.75	5	

NOTE:

Mountings other than standard floor mounted reducers can require as much as two to three times the amount of lubricant shown for the standard assembly. Contact application engineering for proper amounts.

* 411709-66-AE IS A QUART

* 411709-66-AF IS A GALLON

APG Thermal HP Ratings *

When the horsepower rating in the selection table appears in the shaded area, compare the actual HP required (without service factor) with the thermal HP capacity by referring to the tables below. The thermal HP capacity ratings are based upon an ambient temperature of 100° F and 100% duration of operation per hour. If other than 100° F ambient temp. and 100% duration of operation per hour, use the thermal factor chart and apply that value to the following formula:

$$\text{Equivalent Thermal HP Capacity} = \text{Thermal HP Rating} \times \text{Thermal Factor}$$

If the demand HP exceeds the equivalent thermal HP capacity, a larger unit will be required.

Thermal HP Capacities, 100° F Amb.

HIGH SPEED SHAFT RPM	RED.	NOMINAL RATIO	LOW SPEED SHAFT RPM	BASIC GEARCASE			
				SIZE 3	SIZE 4	SIZE 5	SIZE 6
3600	SINGLE	1.22	2951	19	21	28	29
		1.50	2400	20	21	28	30
		1.84	1957	20	22	29	32
		2.25	1600	20	23	30	33
		2.76	1304		23	31	34
		3.38	1065		24	33	36
		4.13	872			34	39
		5.06	711				42
	DOUBLE	4.13	872	18	18	21	22
		5.06	711	18	19	22	23
		6.20	581	18	20	24	26
		7.59	474		21	27	27
		9.30	387		21	28	29
		11.40	316		22	29	32
		14.00	258			31	34
		17.10	211			32	36
		20.90	172			33	38
		25.60	141				41

Thermal HP Capacities, 100 F Amb.

HIGH SPEED SHAFT RPM	RED.	NOMINAL RATIO	LOW SPEED SHAFT RPM	BASIC GEARCASE				
				SIZE 4	SIZE 5	SIZE 6	SIZE 7	SIZE 8
2500	Single	1.22	2049	23	32	36	52	56
		1.50	1667	23	33	38	56	60
		1.84	1359		34	40	60	63
		2.25	1111		35	41	64	67
		2.76	906			42	68	71
		3.38	740			44	73	80
	Double	4.13	605				78	87
		5.06	494					92
		4.13	609	21	28	30	50	NA
		5.06	494	22	30	32	51	NA
		6.20	403	23	32	36	52	56
		7.59	329	23	33	38	56	60
		9.30	269		34	40	60	63
		11.4	219		35	41	64	67
		14.00	179			42	68	71
		17.10	146			44	73	80
		20.90	120				78	87
		25.60	99					92

* Units not thermally limited meet 120° F Ambient and 100% duration condition. Size 1 and 2 reducers are not thermally limited.

Thermal Factors for Ambient Temperatures

AMBIENT TEMP. °F	DURATION OF OPERATION PER HOUR				
	100%	80%	60%	40%	20%
0	2.01	2.52	3.01	3.52	4.02
20	1.81	2.27	2.71	3.16	3.61
40	1.60	2.00	2.41	2.80	3.20
60	1.41	1.76	2.11	2.46	2.82
80	1.20	1.51	1.81	2.11	2.41
100	1.00	1.25	1.50	1.75	2.00
120	.81	1.01	1.20	1.41	1.61

Thermal HP Capacities, 100° F Amb.

HIGH SPEED SHAFT RPM	RED.	NOMINAL RATIO	LOW SPEED SHAFT RPM	BASIC GEARCASE				
				SIZE 4	SIZE 5	SIZE 6	SIZE 7	SIZE 8
1750	Single	1.22	1430		36	42	71	77
		1.50	1170		38	45	74	82
		1.84	950		39	47	77	87
		2.25	780			51	83	97
		2.76	640				86	101
		3.38	520					106
		4.13	420					109
	Double	4.13	420	22	31	40	60	NA
		5.06	350	23	32	40	61	NA
		6.20	280		34	41	66	67
		7.59	230		35	43	75	75
		9.30	190			45	75	80
		11.40	150			47	79	87
		14.00	125				81	91
		17.10	100					95
		20.90	84					100

Thermal HP Capacities, 100° F Amb.

HIGH SPEED SHAFT RPM	RED.	NOMINAL RATIO	LOW SPEED SHAFT RPM	BASIC GEARCASE			
				SIZE 5	SIZE 6	SIZE 7	SIZE 8
1460	Single	1.22	1172	37	44	73	80
		1.50	953		46	76	84
		1.84	777		48	81	91
		2.25	636			82	95
		2.76	519				100
		3.38	432				104
	Double	4.13	354	34	39	66	NA
		5.06	289	35	42	69	NA
		6.20	231	37	44	73	80
		7.59	188		46	76	84
		9.30	154		48	81	91
		11.40	126			82	96
		14.00	103				100
		17.10	85				104

Thermal HP Capacities, 100° F Amb.

HIGH SPEED SHAFT RPM	RED.	NOMINAL RATIO	LOW SPEED SHAFT RPM	BASIC GEARCASE		
				SIZE 6	SIZE 7	SIZE 8
1170	Single	1.22	959	44	78	88
		1.50	780		81	92
		1.84	636		83	96
		2.25	520			100
		2.76	424			103
	Double	4.13	283	39	73	NA
		5.06	231	42	76	NA
		6.20	189	44	78	88
		7.59	154	47	81	92
		9.30	126		83	96
		11.40	103			100
		14.00	84			103

APG

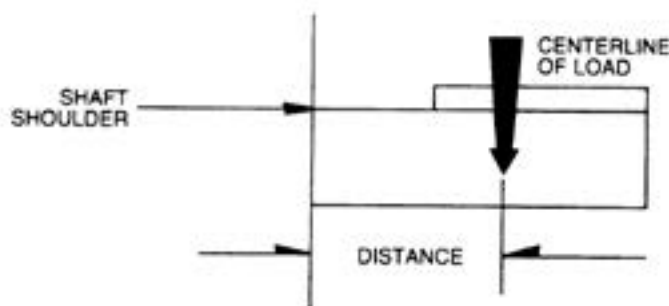
LOAD LOCATION FACTORS - LOW SPEED SHAFTS

Load Location Factors for Low Speed Shafts (Output)

Distance in Inches	Basic Gearcase Size					
	2		3		4	
	Single	D & T	Single	D & T	Single	D & T
0.50	-	-	-	-	-	-
0.75	0.868	0.803	-	-	-	-
1.00	1.000	0.934	.895	.792	.895	.720
1.25	1.132	1.066	1.000	.896	1.000	.813
1.50	1.263	1.197	1.105	1.000	1.105	.907
1.75	1.395	1.328	1.210	1.104	1.210	1.000
2.00	-	1.459	1.315	1.208	1.315	1.093
2.25	-	-	1.420	1.313	1.420	1.187
2.50	-	-	-	1.417	-	1.280
2.75	-	-	-	1.521	-	1.373
3.00	-	-	-	-	-	1.466

Distance in Inches	Basic Gearcase Size							
	5		6		7		8	
	Single	D & T	Single	D & T	Single	D & T	Single	D & T
1.00	.833	.643	.768	.600	.699	.530	.619	.638
1.25	.917	.723	.834	.667	.759	.587	.670	.686
1.50	1.000	.802	.901	.733	.819	.644	.721	.734
1.75	1.083	.881	.967	.800	.880	.701	.772	.783
2.00	1.167	.960	1.033	.867	.940	.758	.822	.831
2.25	1.250	1.040	1.099	.933	1.000	.815	.873	.879
2.50	1.333	1.119	1.166	1.000	1.060	.872	.924	.928
2.75	1.417	1.198	1.232	1.067	1.120	.929	.975	.976
3.00	-	1.277	1.298	1.133	1.181	.986	1.025	1.024
3.50	-	1.436	1.430	1.267	1.301	1.100	1.127	1.121
4.00	-	1.594	-	1.400	1.422	1.215	1.228	1.217
4.50	-	-	-	1.533	1.542	1.329	1.330	1.314
5.00	-	-	-	-	-	1.443	1.431	1.411
5.50	-	-	-	-	-	1.557	1.533	1.507
6.00	-	-	-	-	-	-	-	1.604
6.50	-	-	-	-	-	-	-	1.700
7.00	-	-	-	-	-	-	-	1.797

In order to minimize overhung load and increase bearing life, load centerline should be located as close to the shaft shoulder as possible.



For applications where OHL exceeds cataloged values contact application engineering or use the reducer selection tables to select the next larger size gearcase.

APG

LOAD LOCATION FACTORS - HIGH SPEED SHAFTS

Load Location Factors for High Speed Shafts (Input)

Distance in Inches	Basic Gearcase Size					
	3	4	5	6	7	8
0.50	-	-	-	-	-	-
0.75	.923	.862	-	-	-	-
1.00	1.077	1.000	.889	.805	.715	.719
1.25	1.231	1.138	1.000	.902	.796	.782
1.50	1.385	1.276	1.111	1.000	.878	.844
1.75	1.538	1.414	1.222	1.098	.959	.906
2.00	-	1.552	1.333	1.195	1.041	.969
2.25	-	-	1.444	1.293	1.122	1.031
2.50	-	-	1.556	1.391	1.204	1.094
2.75	-	-	-	1.488	1.285	1.156
3.00	-	-	-	1.586	1.367	1.218
3.50	-	-	-	-	1.530	1.343
4.00	-	-	-	-	-	1.468

APG

MASTER XL

COMBOGEAR

MOTO DRIVE

ULTIMA

PULLEYS

APG Gearmotor Weights *

FOOT MOUNT

HP	SIZE																	
	3			4			5			6			7			8		
	S	D	T	S	D	T	S	D	T	S	D	T	S	D	T	S	D	T
1/3			82															
1/2			82			97												
3/4			82			97			172									
1	57	76	82			97			172									
1-1/2	62	81	87			102			177			240						
2	72	91	97	80	103	112			187			250						
3	86	105		94	117	126	135	184	201			264						
5	90	109		98	121		139	188	205			268						
7-1/2	161	179		168	192		207	256	273	239	314	336			578			838
10	202	221		210	233		244	293		276	351	373			619			879
15				243	266		277	326		309	384	406	461	600	652			912
20				325	349		360	409		392	467		539	678	730			990
25							476	524		508	582		655	794	846	735	1039	1106
30							476	524		508	582		655	794	846	735	1039	1106
40										646	721		796	935		875	1180	1247
50										646	721		796	935		875	1180	1247
60										895	969		1046	1184		1125	1429	1497
75										895	969		1046	1184		1125	1429	1497

FLANGE MOUNT

HP	SIZE											
	3			4			5			6		
	S	D	T	S	D	T	S	D	T	S	D	T
1/3			93									
1/2			93			114						
3/4			93			114			194			
1	66	87	93			114			194			
1-1/2	71	92	98			119			199			287
2	81	102	108	88	120	129			209			297
3	95	116		102	134	143	150	206	223			311
5	99	120		106	138		154	210	227			315
7-1/2	169	190		177	209		222	278	295	265	361	363
10	211	232		219	250		259	315		302	398	420
15				252	283		292	348		335	431	453
20				334	366		375	431		418	514	
25							491	546		534	629	
30							491	546		534	629	
40										672	768	
50										672	768	
60										921	1016	
75										921	1016	

* All weights in lbs.

APG Reducer Weights *

C-FACE REDUCERS FOOT MOUNT

SIZE		56C/140TC	FRAME SIZE				
			180/210TC	250TC	280TC	320TC	360TC
2	S	32					
	D	43	50				
	T	46					
3	S	46	60				
	D	66	80				
	T	71					
4	S	51	66	66			
	D	80	90	100			
	T	90	100				
5	S	100	104	115	125		
	D	141	151	155	165		
	T	155	165				
6	S	125	135	145	156	191	196
	D	215	225	225	235	265	270
	T	225	235	245	255		
7	S		300	300	315	365	365
	D		440	440	535	535	540
	T		485	535	535	535	540
8	S			695	695	815	820
	D			740	740	815	820
	T		750	750	845	855	855

C-FACE REDUCERS FLANGE MOUNT

SIZE		FRAME SIZE					
		56C/140TC	180/210TC	250TC	280TC	320TC	360TC
2	S	41					
	D	52	59				
	T	56					
3	S	56	68				
	D	80	90				
	T	85					
4	S	62	76	76			
	D	95	101	111			
	T	107	117				
5	S	110	114	125	135		
	D	152	162	166	176		
	T	172	182				
6	S	135	145	155	166	201	206
	D	226	235	235	246	276	281
	T	242	253	271	273		

SEPARATE REDUCERS

SIZE																	
3			4			5			6			7			8		
S	D	T	S	D	T	S	D	T	S	D	T	S	D	T	S	D	T
41	70	75	48	80	90	95	155	175	175	255	265	340	479	530	420	724	790

*All weights in lbs.