

ULTIMA®

Features/Benefits	ULT-2
Specification	ULT-4
How To Order	ULT-4
Nomenclature	ULT-4
Selection/Dimensions	
Parallel	ULT-5
Right Angle	ULT-22
NEMA C-Face Output	ULT-30
Mounting Positions	
Parallel	ULT-19
Right Angle	ULT-28
Modifications/Accessories	ULT-34
Engineering/Technical	ULT-35
Weights	ULT-36

APG

MASTER XL

COMBOGEAR

MOTO DRIVE

ULTIMA

PULLEYS

REEVES® ULTIMA® Drive

The Ultimate Drive In High Performance
With Low Maintenance



C-FACE MOUNT



PARALLEL

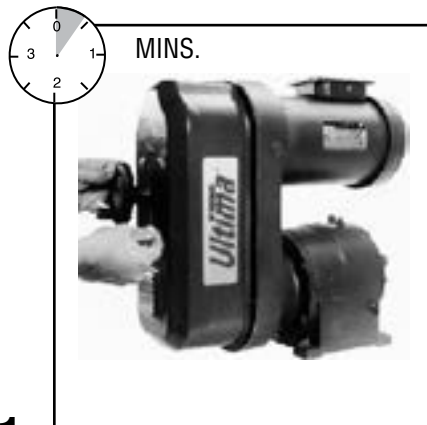


RIGHT ANGLE

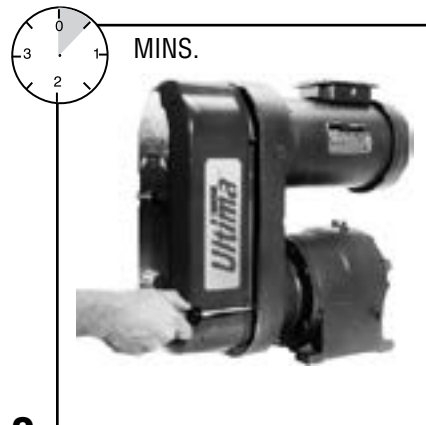
ADJUSTABLE SPEED DRIVES WITH A DIFFERENCE

- The ULTIMA drive difference for high starting torque requirements:
 - Full-locked rotor capability, combined with belt reduction, offers up to eight times the starting torque of electrical drives at low speeds.
 - Ideal for starting fully loaded pumps, mixers and conveyors without oversizing.
- The ULTIMA drive difference in adapting to its environment:
 - Slip-limited beltcase allows for momentary shocks and overloads of 250% or more.
 - Cast-iron structure survives damp or corrosive environments.
 - Cost effective for explosion-proof and washdown applications.
- The ULTIMA drive difference in durability and ease of maintenance:
 - Cast-iron gearcase and beltcase support components, stainless-steel shifting screws, steel shifting nut with bronze insert and cast-iron lever arm for corrosion resistance and long life.
 - Squeeze-locking input collar design allows easy motor replacement.
 - Quick-change, no-lube bushing design permits quick replacement for optimum disc life.
 - Collar speed stops for quick, simple adjustment.

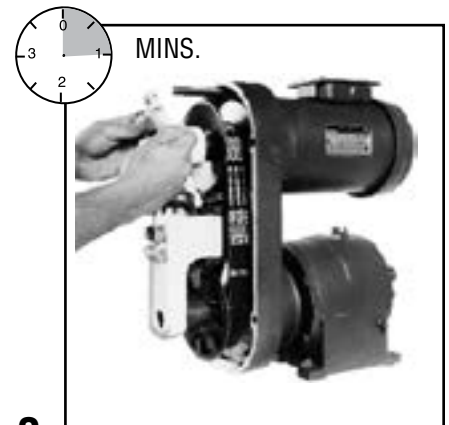
ULTIMA Drive's Friendly Design Cuts Scheduled Maintenance to Minutes Per Year



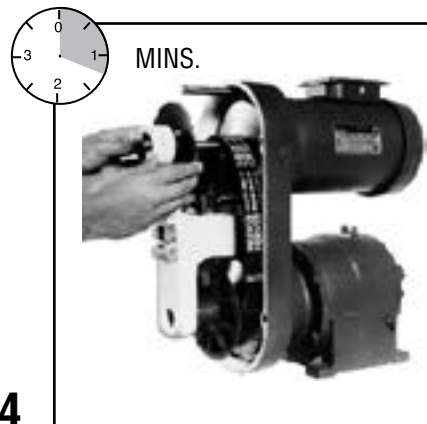
- 1** Pull pin on handwheel.
Remove handwheel.



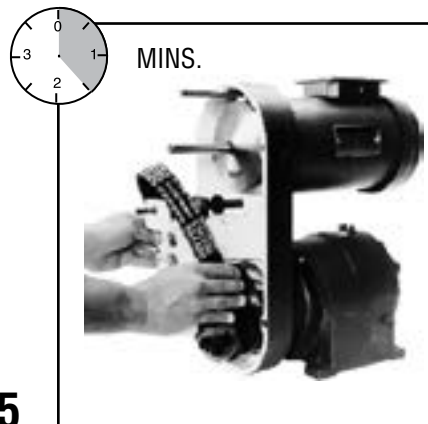
- 2** Remove fasteners on ABS - composite beltcase cover.



- 3** Pull pin in cast-iron shafing yoke.



- 4** Slide the bushed disc off the input shaft.



- 5** Remove belt.



- 6** Reverse procedure for reassembly

QUICK, EASY BELT REPLACEMENT

Belt changes take less than 3 minutes.



REEVES ULTIMA Drive

REEVES ULTIMA is an adjustable speed drive designed to provide infinitely variable speed up to an 8 to 1 speed range. It is specifically designed to offer high starting torque, excellent shock resistance, long life and extremely easy maintenance. ULTIMA drive's user friendly design cuts scheduled maintenance to minutes per year.

REEVES ULTIMA is available in many mounting configurations including:

- NEMA C-face inputs and outputs
- Foot and flange mounts

REEVES ULTIMA drives employ either MASTER APG parallel gearing or MASTER XL right angle worm and worm/helical gearing.

Standard ULTIMA drive motors are 1750 rpm, 3 phase, 230/460 volt, 60 Hz, TEFC, 1.15 Service factor, Class F insulated, Design B, C-face footless.

Motor and gear enclosures and special finishes are available for washdown, corrosive or explosion proof environments.

A handwheel control is standard, with ERC (Electric Remote Control) available.

A programmable electronic digital tachometer is available. When a digital indicator or ERC is installed, it is NOT necessary to remove the tach pickup or any associated wiring during normal belt and bushing maintenance.

Mechanical speed stops may be set easily and precisely.

HOW TO ORDER ULTIMA DRIVES

Refer to the part number when ordering. Always specify a mounting position if other than standard. Floor mount with the motor at 12 o'clock is standard. Specify the mounting position after the part number of the basic unit. See page ULT-19 for information on mounting positions.

When accessories are required, specify the accessory along with the basic drive part number and mounting position.

ORDERING EXAMPLE:

Parallel, 1 HP, 79 to 10 rpm 7000690 (selection from page ULT-6)
9A1 position (chosen from page ULT-19 & ULT- 21)

NOMENCLATURE

BELT CASE SIZE _____

1

REDUCER TYPE _____

- R = REEVES Non Gear
- A = MASTER APG
- V = MASTER XL Single Worm
- B = Master XL Combination

REDUCER SIZES _____

- 00 = Non Gear
- 2D, 2T - APG 2 Double/Triple
- 3S, 3D, 3T = APG 3 Single/Double/Triple
- 4S, 4D, 4T = APG 4 Single/Double/Triple
- 16, 21, 28 = XL Single Worm
- 16, 21, 28 = XL Combination

EXAMPLES

SIZE ONE CASE _____ 1 B 21
XL COMBINATION _____
XL SIZE 21 _____

EXAMPLES

SIZE ONE CASE _____ 1 A 3D
APG REDUCER _____
SIZE 3 APG DOUBLE REDUCTION _____

ULTIMA - Parallel

0.75/0.64 HORSEPOWER
8:1 SPEED RANGE - TEFC

SPEED RANGE			PART NUMBER	SIZE	RATIO	GEAR CLASS	OUTPUT TORQUE (IN-LBS)		
MAX	INT	MIN					MAX SPD	INT SPD	MIN SPD
3700	747	460	7000003	1R00	0		11	54	54
3033	612	377	7000010	1A2S	1.22	III	13	66	66
2467	498	307	7000027	1A2S	1.50	III	16	81	81
2011	406	250	7000034	1A2S	1.84	III	20	99	99
1644	332	204	7000041	1A2S	2.25	III	25	121	121
1341	271	167	7000058	1A2S	2.76	III	30	149	149
1095	221	136	7000065	1A2S	3.38	III	37	183	183
896	181	111	7000072	1A2D	4.13	III	45	223	223
731	148	91	7000089	1A2D	5.06	III	55	273	273
597	120	74	7000096	1A2D	6.20	III	68	335	335
487	98	61	7000102	1A2D	7.59	III	83	410	410
398	80	49	7000119	1A2D	9.30	III	101	502	502
325	66	40	7000126	1A2D	11.4	III	124	616	616
264	53	33	7000133	1A2D	14.0	III	153	756	756
216	44	27	7000140	1A2D	17.1	III	186	923	923
177	36	22	7000157	1A2D	20.9	III	228	1129	1129
145	29	18	7000164	1A2D	25.6	III	279	1382	1382
118	28	15	7000171	1A2T	31.4	III	342	1456	1456
96	29	12	7000188	1A2T	38.4	III	419	1415	1415
79	28	10	7000195	1A2T	47.1	III	513	1446	1446
64	28	8.0	7000201	1A2T	57.7	II	629	1430	1430
52	27	6.5	7000218	1A2T	70.6	II	770	1478	1478
43	28	5.3	7000225	1A2T	86.5	II	943	1430	1430
35	26	4.3	7000232	1A2T	105.9	I	1154	1551	1551
29	25	3.5	7000249	1A2T	129.7	I	1414	1633	1633

0.75/0.64 HORSEPOWER
5:1 SPEED RANGE - TEFC

SPEED RANGE			PART NUMBER	SIZE	RATIO	GEAR CLASS	OUTPUT TORQUE (IN-LBS)		
MAX	INT	MIN					MAX SPD	INT SPD	MIN SPD
3220	644	644	7000256	1R00	0		13	63	63
2640	528	528	7000263	1A2S	1.22	III	15	76	76
2150	429	430	7000270	1A2S	1.50	III	19	94	94
1750	350	350	7000287	1A2S	1.84	III	23	115	115
1430	286	286	7000294	1A2S	2.25	III	28	141	141
1165	233	233	7000300	1A2S	2.76	III	35	173	173
953	191	190	7000317	1A2S	3.38	III	42	212	212
780	156	156	7000324	1A2D	4.13	III	52	259	259
636	127	127	7000331	1A2D	5.06	III	63	317	317
520	104	104	7000348	1A2D	6.20	III	78	388	388
425	85	85	7000355	1A2D	7.59	III	95	475	475
346	69	69	7000362	1A2D	9.30	III	117	582	582
283	56	56	7000379	1A2D	11.4	III	143	714	714
230	46	46	7000386	1A2D	14.0	III	175	877	877
188	38	38	7000393	1A2D	17.1	III	215	1071	1071
154	31	31	7000409	1A2D	20.9	III	262	1309	1309
126	25	25	7000416	1A2D	25.6	III	320	1603	1603
103	28	20	7000423	1A2T	31.4	III	392	1441	1441
84	29	17	7000430	1A2T	38.4	III	480	1391	1391
68	28	14	7000447	1A2T	47.1	III	593	1441	1441
56	28	11	7000454	1A2T	57.7	II	720	1441	1441
46	27	9	7000461	1A2T	70.6	II	877	1494	1494
37	28	7.5	7000478	1A2T	86.5	I	1090	1441	1441
30	26	6	7000485	1A2T	105.9	I	1345	1551	1551
25	25	5	7000492	1A2T	129.7	I	1613	1633	1633

SELECTION

REEVES®

ULTIMA - Parallel

1.0/0.85 HORSEPOWER
8:1 SPEED RANGE - TEFC

SPEED RANGE			PART NUMBER	SIZE	RATIO	GEAR CLASS	OUTPUT TORQUE (IN-LBS)		
MAX	INT	MIN					MAX SPD	INT SPD	MIN SPD
3700	992	460	7000508	1R00	0		14	54	54
3033	813	377	7000515	1A2S	1.22	III	18	66	66
2467	661	307	7000522	1A2S	1.50	III	22	81	81
2011	539	250	7000539	1A2S	1.84	III	27	99	99
1644	441	204	7000546	1A2S	2.25	III	33	122	122
1341	359	167	7000553	1A2S	2.76	III	40	149	149
1095	293	136	7000560	1A2S	3.38	III	49	183	183
896	240	111	7000577	1A2D	4.13	III	60	223	223
731	196	91	7000584	1A2D	5.06	III	73	273	273
597	160	74	7000591	1A2D	6.20	III	90	335	335
487	131	61	7000607	1A2D	7.59	III	110	410	410
398	107	49	7000614	1A2D	9.30	III	135	502	502
325	87	40	7000621	1A2D	11.4	III	165	616	616
264	71	33	7000638	1A2D	14.0	III	203	756	756
216	58	27	7000645	1A2D	17.1	III	248	923	923
177	47	22	7000652	1A2D	20.9	III	303	1129	1129
145	39	18	7000669	1A2D	25.6	III	371	1382	1382
118	43	15	7000676	1A2T	31.4	III	455	1246	1246
96	44	12	7000683	1A2T	38.4	II	556	1218	1218
79	43	10	7000690	1A2T	47.1	II	682	1246	1246
64	43	8.0	7000706	1A2T	57.7	II	835	1246	1246
52	39	6.5	7000713	1A2T	70.6	I	1022	1374	1374
43	38	5.3	7000720	1A2T	86.5	I	1252	1410	1410
35	17	4.3	7000737	1A3T	105.9	I	1533	3189	3189
29	17	3.5	7000744	1A3T	129.7	I	1878	3189	3189

1.0/0.85 HORSEPOWER
5:1 SPEED RANGE - TEFC

SPEED RANGE			PART NUMBER	SIZE	RATIO	GEAR CLASS	OUTPUT TORQUE (IN-LBS)		
MAX	INT	MIN					MAX SPD	INT SPD	MIN SPD
3220	744	644	7000751	1R00	0		17	72	72
2640	610	528	7000768	1A2S	1.22	III	20	88	88
2150	496	430	7000775	1A2S	1.50	III	25	108	108
1750	404	350	7000782	1A2S	1.84	III	31	132	132
1430	331	286	7000799	1A2S	2.25	III	37	162	162
1165	270	233	7000805	1A2S	2.76	III	46	199	199
953	220	190	7000812	1A2S	3.38	III	56	243	243
780	180	156	7000829	1A2D	4.13	III	69	297	297
636	147	127	7000836	1A2D	5.06	III	84	364	364
520	120	104	7000843	1A2D	6.20	III	103	446	446
425	98	85	7000850	1A2D	7.59	III	126	547	547
346	80	69	7000867	1A2D	9.30	III	155	670	670
283	65	56	7000874	1A2D	11.4	III	189	821	821
230	53	46	7000881	1A2D	14.0	III	233	1008	1008
188	44	38	7000898	1A2D	17.1	III	285	1231	1231
154	36	31	7000904	1A2D	20.9	III	348	1505	1505
126	33	25	7000911	1A2D	25.6	III	425	1623	1623
103	43	20	7000928	1A2T	31.4	III	520	1246	1246
84	44	17	7000935	1A2T	38.4	II	638	1218	1218
68	43	14	7000942	1A2T	47.1	II	788	1246	1246
56	43	11	7000959	1A2T	57.7	I	957	1246	1246
46	37	9.0	7000966	1A2T	70.6	I	1165	1448	1448
37	16	7.5	7000973	1A3T	86.5	III	1448	3412	3412
30	16	6.0	7000980	1A3T	105.9	II	1786	3412	3412
25	17	5.0	7000997	1A3T	129.7	II	2143	3189	3189

ULT-6

MASTER
POWER TRANSMISSION

ULTIMA - Parallel

1.5/1.3 HORSEPOWER
8:1 SPEED RANGE - TEFC

SPEED RANGE			PART NUMBER	SIZE	RATIO	GEAR CLASS	OUTPUT TORQUE (IN-LBS)		
MAX	INT	MIN					MAX SPD	INT SPD	MIN SPD
3700	1517	460	7001000	1R00	0		22	54	54
3033	1243	377	7001017	1A2S	1.22	III	27	66	66
2467	1011	307	7001024	1A2S	1.50	III	33	81	81
2011	824	250	7001031	1A2S	1.84	III	41	99	99
1644	674	204	7001048	1A2S	2.25	III	50	122	122
1341	550	167	7001055	1A2S	2.76	III	61	149	149
1095	449	136	7001062	1A2S	3.38	III	75	183	183
896	367	111	7001079	1A2D	4.13	III	91	223	223
731	300	91	7001086	1A2D	5.06	III	112	273	273
597	245	74	7001093	1A2D	6.20	III	137	335	335
487	200	61	7001109	1A2D	7.59	III	168	410	410
398	163	49	7001116	1A2D	9.30	III	206	502	502
325	133	40	7001123	1A2D	11.4	III	252	616	616
264	108	33	7001130	1A2D	14.0	III	310	756	756
216	89	27	7001147	1A2D	17.1	III	379	924	924
177	73	22	7001154	1A2D	20.9	III	463	1129	1129
145	59	18	7001161	1A2D	25.6	III	567	1383	1383
118	80	15	7001178	1A2T	31.4	II	695	1024	1024
96	76	12	7001185	1A2T	38.4	I	850	1078	1078
79	70	10	7001192	1A2T	47.1	I	1043	1170	1170
64	27	8.0	7001208	1A3T	57.7	III	1278	3035	3035
52	27	6.5	7001215	1A3T	70.6	II	1563	3035	3035
43	27	5.3	7001222	1A3T	86.5	II	1915	3035	3035
35	26	4.3	7001239	1A3T	105.9	I	2345	3104	3104
29	25	3.5	7001246	1A4T	129.7	I	2872	3290	3290

1.5/1.3 HORSEPOWER
5:1 SPEED RANGE - TEFC

SPEED RANGE			PART NUMBER	SIZE	RATIO	GEAR CLASS	OUTPUT TORQUE (IN-LBS)		
MAX	INT	MIN					MAX SPD	INT SPD	MIN SPD
3220	1138	644	7001253	1R00	0		25	72	72
2640	933	528	7001260	1A2S	1.22	III	31	88	88
2150	759	430	7001277	1A2S	1.50	III	38	108	108
1750	618	350	7001284	1A2S	1.84	III	47	132	132
1430	506	286	7001291	1A2S	2.25	III	57	162	162
1165	412	233	7001307	1A2S	2.76	III	70	199	199
953	337	190	7001314	1A2S	3.38	III	86	243	243
780	276	156	7001321	1A2D	4.13	III	105	297	297
636	225	127	7001338	1A2D	5.06	III	129	364	364
520	184	104	7001345	1A2D	6.20	III	158	446	446
425	150	85	7001352	1A2D	7.59	III	193	546	546
346	122	69	7001369	1A2D	9.30	III	237	670	670
283	100	56	7001376	1A2D	11.4	III	290	821	821
230	81	46	7001383	1A2D	14.0	III	356	1008	1008
188	67	38	7001390	1A2D	17.1	III	436	1231	1231
154	54	31	7001406	1A2D	20.9	III	532	1505	1505
126	53	25	7001413	1A2D	25.6	III	650	1546	1546
103	80	20	7001420	1A2T	31.4	I	795	1024	1024
84	76	17	7001437	1A2T	38.4	I	975	1078	1078
68	25	14	7001444	1A3T	47.1	III	1205	3277	3277
56	27	11	7001451	1A3T	57.7	II	1463	3092	3092
46	27	9.0	7001468	1A3T	70.6	II	1781	3069	3069
37	27	7.5	7001475	1A3T	86.5	II	2214	3069	3069
30	26	6.0	7001482	1A3T	105.9	I	2731	3104	3104
25	14	5.0	7001499	1A4T	129.7	II	3277	5811	5811

SELECTION

REEVES®

ULTIMA - Parallel

2.0/1.7 HORSEPOWER
8:1 SPEED RANGE - TEFC

SPEED RANGE			PART NUMBER	SIZE	RATIO	GEAR CLASS	OUTPUT TORQUE (IN-LBS)		
MAX	INT	MIN					MAX SPD	INT SPD	MIN SPD
3700	992	460	7001505	2R00	0		29	108	108
3033	813	377	7001512	2A3S	1.22	III	35	132	132
2467	661	307	7001529	2A3S	1.50	III	43	162	162
2011	539	250	7001536	2A3S	1.84	III	53	199	199
1644	441	204	7001543	2A3S	2.25	III	65	243	243
1341	359	167	7001550	2A3S	2.76	III	80	298	298
1095	293	136	7001567	2A3S	3.38	III	98	365	365
896	240	111	7001574	2A3D	4.13	III	120	446	446
731	196	91	7001581	2A3D	5.06	III	147	547	547
597	160	74	7001598	2A3D	6.20	III	180	670	670
487	131	61	7001604	2A3D	7.59	III	220	820	820
398	107	49	7001611	2A3D	9.30	III	269	1004	1004
325	87	40	7001628	2A3D	11.4	III	330	1231	1231
264	71	33	7001635	2A3D	14.0	III	405	1512	1512
216	58	27	7001642	2A3D	17.1	III	495	1847	1847
177	47	22	7001659	2A3D	20.9	III	605	2257	2257
145	39	18	7001666	2A3D	25.6	III	741	2765	2765
118	36	15	7001673	2A3T	31.4	III	909	3001	3001
96	36	12	7001680	2A3T	38.4	III	1112	3010	3010
79	36	9.8	7001697	2A3T	47.1	II	1364	3010	3010
64	36	8.0	7001703	2A3T	57.7	II	1671	2993	2993
52	36	6.5	7001710	2A3T	70.6	I	2044	2968	2968
43	36	5.3	7001727	2A3T	86.5	I	2505	2976	2976
35	19	4.3	7001734	2A4T	105.9	II	3067	5639	5639
29	19	3.5	7001741	2A4T	129.7	II	3756	5639	5639

2.0/1.7 HORSEPOWER
5:1 SPEED RANGE - TEFC

SPEED RANGE			PART NUMBER	SIZE	RATIO	GEAR CLASS	OUTPUT TORQUE (IN-LBS)		
MAX	INT	MIN					MAX SPD	INT SPD	MIN SPD
3220	1488	644	7001758	1R00	0		33	72	72
2639	1220	528	7001765	1A2S	1.22	III	41	88	88
2147	992	430	7001772	1A2S	1.50	III	50	108	108
1750	809	350	7001789	1A2S	1.84	III	61	132	132
1430	661	286	7001796	1A2S	2.25	III	75	162	162
1165	539	233	7001802	1A2S	2.76	III	92	199	199
953	458	190	7001819	1A2S	3.38	III	112	234	234
780	360	156	7001826	1A2D	4.13	III	137	297	297
636	294	127	7001833	1A2D	5.06	III	168	364	364
520	240	104	7001840	1A2D	6.20	III	206	446	446
425	196	85	7001857	1A2D	7.59	III	252	547	547
346	160	69	7001864	1A2D	9.30	III	310	670	670
283	131	56	7001871	1A2D	11.4	III	379	821	821
230	106	46	7001888	1A2D	14.0	III	466	1008	1008
188	87	38	7001895	1A2D	17.1	III	570	1231	1231
154	71	31	7001901	1A2D	20.9	III	696	1505	1505
126	71	25	7001918	1A2D	25.6	III	850	1509	1509
103	47	20	7001925	1A3T	31.4	III	1040	2261	2261
84	39	17	7001932	1A3T	38.4	III	1276	2765	2765
68	36	14	7001949	1A3T	47.1	II	1576	3018	3018
56	36	11	7001956	1A3T	57.7	II	1913	2993	2993
46	36	9.0	7001963	1A3T	70.6	I	2329	2968	2968
37	19	7.5	7001970	1A4T	86.5	I	2896	5639	5639
30	19	6.0	7001987	1A4T	105.9	II	3571	5730	5730
25	19	5.0	7001994	1A4T	129.7	II	4286	5639	5639

ULT-8


MASTER
POWER TRANSMISSION

ULTIMA - Parallel

3.0/2.5 HORSEPOWER
8:1 SPEED RANGE - TEFC

SPEED RANGE			PART NUMBER	SIZE	RATIO	GEAR CLASS	OUTPUT TORQUE (IN-LBS)		
MAX	INT	MIN					MAX SPD	INT SPD	MIN SPD
3700	1458	460	7002007	2R00	0		43	108	108
3033	1195	377	7002014	2A3S	1.22	III	52	132	132
2467	972	307	7002021	2A3S	1.50	III	64	162	162
2011	792	250	7002038	2A3S	1.84	III	78	199	199
1644	648	204	7002045	2A3S	2.25	III	96	243	243
1341	528	167	7002052	2A3S	2.76	III	118	298	298
1095	431	136	7002069	2A3S	3.38	III	144	365	365
896	353	111	7002076	2A3D	4.13	III	176	446	446
731	288	91	7002083	2A3D	5.06	III	215	547	547
597	235	74	7002090	2A3D	6.20	III	264	670	670
487	192	61	7002106	2A3D	7.59	III	323	820	820
398	157	49	7002113	2A3D	9.30	III	396	1005	1005
325	128	40	7002120	2A3D	11.4	III	485	1232	1232
264	104	33	7002137	2A3D	14.0	III	596	1513	1513
216	85	27	7002144	2A3D	17.1	III	728	1848	1848
177	70	22	7002151	2A3D	20.9	III	890	2259	2259
145	57	18	7002168	2A3D	25.6	III	1090	2767	2767
118	56	15	7002175	2A3T	31.4	II	1337	2839	2839
96	55	12	7002182	2A3T	38.4	II	1635	2865	2865
79	55	9.8	7002199	2A3T	47.1	I	2006	2875	2875
64	55	8	7002205	2A3T	57.7	I	2457	2865	2865
52	30	6.5	7002212	2A4T	70.6	II	3006	5200	5200
43	30	5.3	7002229	2A4T	86.5	I	3684	5323	5323
35	29	4.3	7002236	2A4T	105.9	I	4510	5378	5378
29	13	3.5	7002243	2A5T	129.7	II	5523	12028	12028

APG

MASTER XL

COMBOGEAR

3.0/2.6 HORSEPOWER
5:1 SPEED RANGE - TEFC

SPEED RANGE			PART NUMBER	SIZE	RATIO	GEAR CLASS	OUTPUT TORQUE (IN-LBS)		
MAX	INT	MIN					MAX SPD	INT SPD	MIN SPD
3220	910	640	7002250	2R00	0		51	180	180
2639	746	525	7002267	2A3S	1.22	III	62	220	220
2147	607	427	7002274	2A3S	1.50	III	76	270	270
1750	495	348	7002281	2A3S	1.84	III	94	331	331
1431	404	284	7002298	2A3S	2.25	III	115	405	405
1167	330	232	7002304	2A3S	2.76	III	140	497	497
953	282	189	7002311	2A3S	3.38	III	172	581	581
780	220	155	7002328	2A3D	4.13	III	210	744	744
636	180	126	7002335	2A3D	5.06	III	258	911	911
519	147	103	7002342	2A3D	6.20	III	316	1116	1116
424	120	84	7002359	2A3D	7.59	III	386	1367	1367
346	98	69	7002366	2A3D	9.30	III	473	1675	1675
282	80	56	7002373	2A3D	11.4	III	580	2053	2053
230	65	46	7002380	2A3D	14.0	III	712	2521	2521
188	57	37	7002397	2A3D	17.1	III	870	2875	2875
154	57	31	7002403	2A3D	20.9	III	1064	2875	2875
126	57	25	7002410	2A3D	25.6	III	1303	2860	2860
103	32	20	7002427	2A4T	31.4	II	1598	5120	5120
84	31	17	7002434	2A4T	38.4	II	1954	5286	5286
68	31	14	7002441	2A4T	47.1	I	2397	5286	5286
56	32	11	7002458	2A4T	57.7	II	2936	5089	5089
46	32	9.1	7002465	2A4T	70.6	I	3593	5137	5137
37	13	7.4	7002472	2A5T	86.5	III	4402	12605	12605
30	14	6	7002489	2A5T	105.9	II	5389	11961	11961
25	14	4.9	7002496	2A5T	129.7	II	6600	11961	11961

MOTO DRIVE

ULTIMA

PULLEYS

SELECTION

REEVES®

ULTIMA - Parallel

5.0/4.4 HORSEPOWER
8:1 SPEED RANGE - TEFC

SPEED RANGE			PART NUMBER	SIZE	RATIO	GEAR CLASS	OUTPUT TORQUE (IN-LBS)		
MAX	INT	MIN					MAX SPD	INT SPD	MIN SPD
3700	1027	460	7002502	3R00	0		75	270	270
3033	842	377	7002519	3A4S	1.22	III	91	329	329
2467	685	307	7002526	3A4S	1.50	III	112	405	405
2011	558	250	7002533	3A4S	1.84	III	138	497	497
1644	456	204	7002540	3A4S	2.25	III	169	608	608
1341	372	167	7002557	3A4S	2.76	III	207	745	745
1095	304	136	7002564	3A4S	3.38	III	253	913	913
896	249	111	7002571	3A4D	4.13	III	310	1115	1115
731	203	91	7002588	3A4D	5.06	III	379	1366	1366
597	166	74	7002595	3A4D	6.20	III	465	1674	1674
487	135	61	7002601	3A4D	7.59	III	569	2049	2049
398	110	49	7002618	3A4D	9.30	III	697	2511	2511
325	90	40	7002625	3A4D	11.4	III	854	3078	3078
264	73	33	7002632	3A4D	14.0	III	1049	3780	3780
216	60	27	7002649	3A4D	17.1	III	1282	4617	4617
177	54	22	7002656	3A4D	20.9	III	1566	5116	5116
145	74	18	7002663	3A4D	25.6	II	1919	3737	3737
118	76	15	7002670	3A4T	31.4	I	2353	3668	3668
96	73	12	7002687	3A4T	38.4	I	2878	3799	3799
79	72	9.8	7002694	3A4T	47.1	I	3530	3857	3857
64	27	8.0	7002700	3A5T	57.7	II	4325	10121	10121
52	27	6.5	7002717	3A5T	70.6	II	5291	10425	10425
43	26	5.3	7002724	3A5T	86.5	I	6483	10748	10748
35	26	4.3	7002731	3A5T	105.9	I	7937	10707	10707
29	27	3.5	7002748	3A5T	129.7	I	9721	10233	10233

5.0/4.7 HORSEPOWER
5:1 SPEED RANGE - TEFC

SPEED RANGE			PART NUMBER	SIZE	RATIO	GEAR CLASS	OUTPUT TORQUE (IN-LBS)		
MAX	INT	MIN					MAX SPD	INT SPD	MIN SPD
3220	1645	640	7002755	2R00	0		92	180	180
2639	1348	525	7002762	2A3S	1.22	III	112	220	220
2147	1097	427	7002779	2A3S	1.50	III	138	270	270
1750	894	348	7002786	2A3S	1.84	III	169	331	331
1431	731	284	7002793	2A3S	2.25	III	207	405	405
1167	596	232	7002809	2A3S	2.76	II	254	497	497
953	534	189	7002816	2A3S	3.38	II	311	555	555
780	398	155	7002823	2A3D	4.13	III	380	744	744
636	325	126	7002830	2A3D	5.06	III	465	911	911
519	265	103	7002847	2A3D	6.20	III	570	1116	1116
424	217	84	7002854	2A3D	7.59	III	698	1367	1367
346	177	69	7002861	2A3D	9.30	III	856	1675	1675
282	144	56	7002878	2A3D	11.4	III	1049	2053	2053
230	118	46	7002885	2A3D	14.0	II	1288	2521	2521
188	108	37	7002892	2A3D	17.1	II	1573	2743	2743
154	108	31	7002908	2A3D	20.9	I	1923	2743	2743
126	108	25	7002915	2A3D	25.6	I	2355	2743	2743
103	84	20	7002922	2A4T	31.4	I	2889	3526	3526
84	81	17	7002939	2A4T	38.4	I	3533	3657	3657
68	35	14	7002946	2A5T	47.1	II	4333	8481	8481
56	30	11	7002953	2A5T	57.7	II	5308	9776	9776
46	30	9.1	7002960	2A5T	70.6	II	6495	10007	10007
37	29	7.4	7002977	2A5T	86.5	I	7957	10394	10394
30	29	6.0	7003714	2A5T	105.9	I	9742	10321	10321

ULT-10


MASTER
POWER TRANSMISSION

ULTIMA - Parallel

7.5/6.5 HORSEPOWER
8:1 SPEED RANGE - TEFC

SPEED RANGE			PART NUMBER	SIZE	RATIO	GEAR CLASS	OUTPUT TORQUE (IN-LBS)		
MAX	INT	MIN					MAX SPD	INT SPD	MIN SPD
3700	1517	460	7002984	3R00	0		111	270	270
3033	1243	377	7002991	3A4S	1.22	III	135	329	329
2467	1011	307	7003004	3A4S	1.50	III	166	405	405
2011	824	250	7003011	3A4S	1.84	III	204	497	497
1644	674	204	7003028	3A4S	2.25	III	249	608	608
1341	550	167	7003035	3A4S	2.76	III	306	745	745
1095	449	136	7003042	3A4S	3.38	III	374	913	913
896	367	111	7003059	3A4D	4.13	III	457	1115	1115
731	300	91	7003066	3A4D	5.06	III	560	1366	1366
597	245	74	7003073	3A4D	6.20	III	686	1674	1674
487	200	61	7003080	3A4D	7.59	III	840	2050	2050
398	163	49	7003097	3A4D	9.30	III	1030	2511	2511
325	133	40	7003103	3A4D	11.4	III	1262	3079	3079
264	108	33	7003110	3A4D	14.0	III	1550	3781	3781
216	89	27	7003127	3A4D	17.1	III	1893	4603	4603
177	81	22	7003134	3A4D	20.9	II	2314	5058	5058
145	117	18	7003141	3A4D	25.6	I	2834	3501	3501
118	49	15	7003158	3A5T	31.4	II	3477	8360	8360
96	45	12	7003165	3A5T	38.4	II	4252	9104	9104
79	47	9.8	7003172	3A5T	47.1	I	5215	8716	8716
64	49	8.0	7003189	3A5T	57.7	I	6389	8360	8360
52	44	6.5	7003196	3A5T	70.6	I	7817	9311	9311
43	20	5.3	7003202	3A6T	86.5	II	9577	20690	20690
35	20	4.3	7003219	3A6T	105.9	II	11725	21008	21008
29	20	3.5	7003226	3A6T	129.7	I	14360	20280	20280

7.5/7.0 HORSEPOWER
5:1 SPEED RANGE - TEFC

SPEED RANGE			PART NUMBER	SIZE	RATIO	GEAR CLASS	OUTPUT TORQUE (IN-LBS)		
MAX	INT	MIN					MAX SPD	INT SPD	MIN SPD
3220	1225	640	7003233	3R00	0		137	360	360
2639	1004	525	7003240	3A4S	1.22	III	167	439	439
2147	817	427	7003257	3A4S	1.50	III	206	540	540
1750	666	348	7003264	3A4S	1.84	III	252	663	663
1431	544	284	7003271	3A4S	2.25	III	308	810	810
1167	444	232	7003288	3A4S	2.76	III	378	994	994
953	441	189	7003295	3A4S	3.38	II	463	1000	1000
780	297	155	7003301	3A4D	4.13	III	566	1487	1487
636	242	126	7003318	3A4D	5.06	III	693	1822	1822
519	198	103	7003325	3A4D	6.20	III	849	2233	2233
424	161	84	7003332	3A4D	7.59	III	1040	2733	2733
346	132	69	7003349	3A4D	9.30	III	1274	3349	3349
282	107	56	7003356	3A4D	11.4	III	1562	4106	4106
230	89	46	7003363	3A4D	14.0	III	1918	4968	4968
188	89	37	7003370	3A4D	17.1	II	2343	4963	4963
154	88	31	7003387	3A4D	20.9	II	2864	5031	5031
126	48	25	7003394	3A5D	25.6	III	3507	9230	9230
103	54	20	7003400	3A5T	31.4	II	4302	8110	8110
84	51	17	7003417	3A5T	38.4	I	5261	8600	8600
68	53	14	7003424	3A5T	47.1	I	6453	8308	8308
56	55	11	7003431	3A5T	57.7	I	7906	7992	7992
46	20	9.1	7003448	3A6T	70.6	II	9673	21949	21949
37	19	7.4	7003455	3A6T	86.5	II	11851	22741	22741
30	20	6.0	7003462	3A6T	105.9	I	14509	22782	22782
25	22	4.9	7003479	3A6T	129.7	I	17770	20237	20237

SELECTION

REEVES®

ULTIMA - Parallel

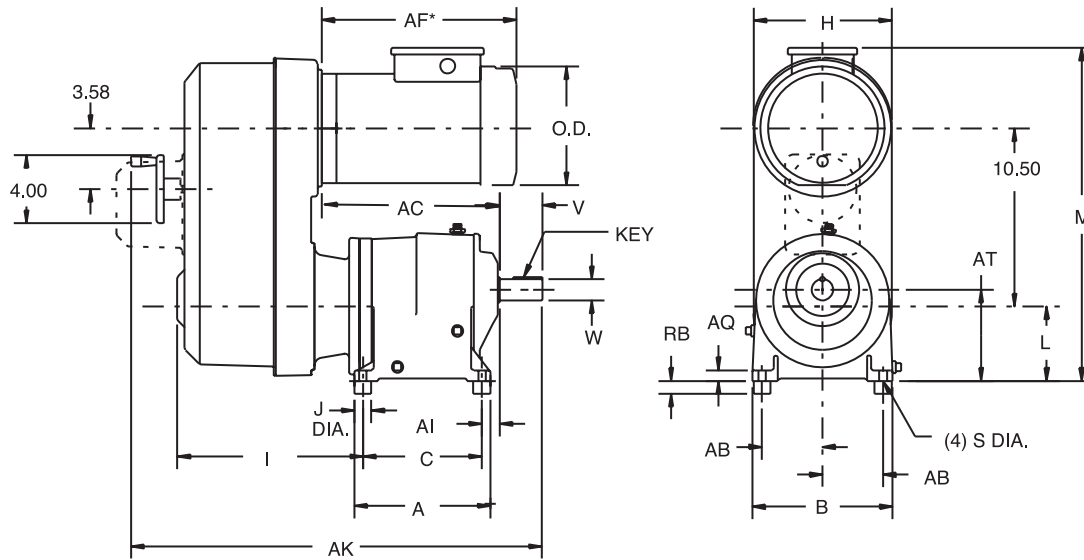
10.0/9.8 HORSEPOWER

8:1 SPEED RANGE - NOT AVAILABLE

5:1 SPEED RANGE - TEFC

SPEED RANGE			PART NUMBER	SIZE	RATIO	GEAR CLASS	OUTPUT TORQUE (IN-LBS)		
MAX	INT	MIN					MAX SPD	INT SPD	MIN SPD
3220	1715	640	7003486	3R00	0		192	360	360
2639	1406	525	7003493	3A4S	1.22	III	234	439	439
2147	1143	427	7003509	3A4S	1.50	III	288	540	540
1750	932	348	7003516	3A4S	1.84	III	353	663	663
1431	762	284	7003523	3A4S	2.25	II	432	810	810
1167	627	232	7003530	3A4S	2.76	II	529	985	985
953	636	189	7003547	3A4S	3.38	II	648	971	971
780	415	155	7003554	3A4D	4.13	III	792	1487	1487
636	339	126	7003561	3A4D	5.06	III	971	1822	1822
519	277	103	7003578	3A4D	6.20	III	1189	2233	2233
424	226	84	7003585	3A4D	7.59	III	1456	2733	2733
346	184	69	7003592	3A4D	9.3	III	1784	3349	3349
282	150	56	7003608	3A4D	11.4	II	2187	4106	4106
230	127	46	7003615	3A4D	14.0	II	2685	4875	4875
188	129	37	7003622	3A4D	17.1	I	3280	4777	4777
154	129	31	7003639	3A4D	20.9	I	4009	4799	4799
126	67	25	7003646	3A5D	25.6	III	4910	9220	9220
103	91	20	7003653	3A5T	31.4	I	6023	6802	6802
84	45	17	7003660	3A6T	38.4	II	7366	13829	13829
68	36	14	7003677	3A6T	47.1	II	9034	16963	16963
56	33	11	7003684	3A6T	57.7	I	11068	18773	18773
46	29	9.1	7003691	3A6T	70.6	I	13542	21008	21008
37	31	7.4	7003707	3A6T	86.5	I	16592	19362	19362

ULT-12

ULTIMA - Parallel**SIZE 1 - VERTICAL - ASSEMBLY 12A1 SHOWN**

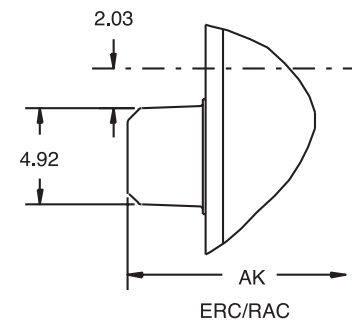
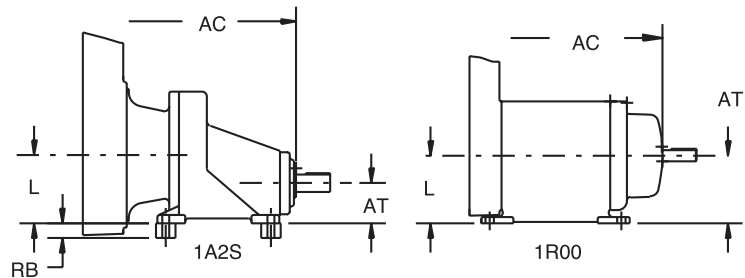
Size	A	B	C	H	I	J	L	M	S	V	W	AB	AC	AI	AK	
															HW	ERC/RAC
1R00	10.13	9.50	9.00	8.13	7.19	NR	4.62	19.84	0.56	2.31	0.7500/0.7495	3.44	10.49	2.81	24.05	24.89
1A2S	6.25	7.12	5.35		10.13	1.00	3.68	18.75	0.38	1.75	0.874/0.875	3.15	9.38	1.31	21.45	22.29
1A2D	7.06		6.30		10.18		3.70			2.00	0.999/1.000		8.80	0.81	22.04	22.88
1A2T					10.77										9.38	22.62
1A3T	8.00	8.38	7.00		10.92	NR	4.39	19.60	0.44	2.51	1.249/1.250	3.56	10.49	1.07	24.24	25.08
1A4T	9.00	8.25	7.88		10.80		4.82	20.04	0.56	3.26	1.624/1.625	3.50	11.16	0.98	25.65	26.49

Size	AQ	AT	RB †	Key
1R00	0.50	4.62	NR	3/16" SQ. X 1.75
1A2S	0.62	2.20	0.75	
1A2D	0.63	4.56		1/4" SQ. X 1.75
1A2T				
1A3T	0.63	5.37	NR	3/8" SQ. X 2.75
1A4T		6.17		

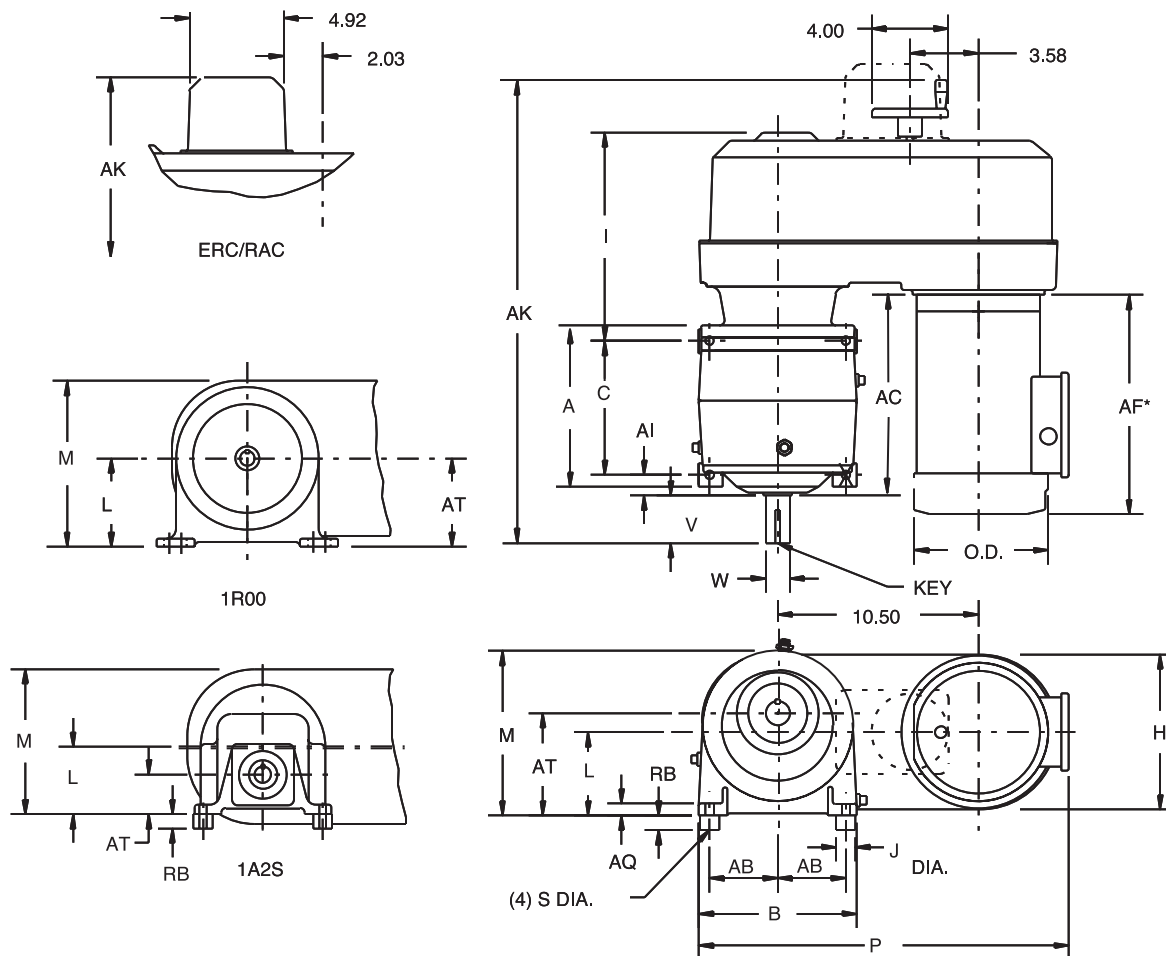
	0.75 HP 143TC	1 HP 145TC	1.5 HP 145TC	2 HP 145TC
AF*	9.42	10.42	10.42	10.86
O. D.	7.13	7.13	7.13	7.13

NOTE:

- * Dimensions shown are for stock TEFC enclosure motors only.
- † Height of riser block that comes standard with the gearbox.
- NR indicates that riser block is not required.
- All dimensions are in inches.



ULTIMA - Parallel SIZE 1 - HORIZONTAL - ASSEMBLY 3A1 SHOWN



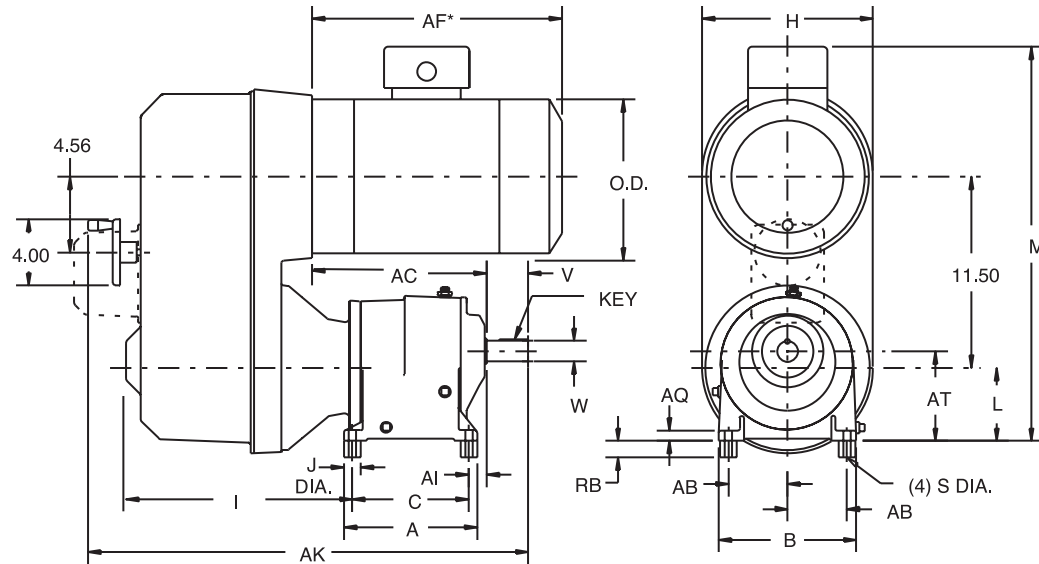
Size	A	B	C	H	I	J	L	M	P	S	V	W	AB	AC	AI	AK HW
1R00	10.13	9.50	9.00	8.13	7.19	NR	4.62	8.69	20.03	0.56	2.31	0.7500/0.7495	3.44	10.49	2.81	24.05
1A2S	6.25	7.12	5.38		10.13	1.00	3.68	7.57	18.41	0.38	1.75	0.874/0.875	3.06	9.38	1.31	21.45
1A2D	7.06		6.30		10.18		3.70				2.00	0.999/1.000	3.15	8.80	0.81	22.04
1A2T					10.77									9.38		22.62
1A3T	8.00	8.38	7.00		10.92	NR	4.39	8.75	19.41	0.44	2.51	1.249/1.250	3.56	10.49	1.07	24.24
1A4T	9.00	8.25	7.88		10.80		4.82	10.03	19.35	0.56	3.26	1.624/1.625	3.50	11.16	0.98	25.65

Size	AK ERC	AQ	AT	RB	Key
1R00	24.89	0.50	4.62	NR	3/16" SQ. X 1.75
1A2S	22.29	0.62	2.20	0.75	
1A2D	22.88	0.63	4.56		1/4" SQ. X 1.75
1A2T	23.46				
1A3T	25.08	0.63	5.37	NR	3/8" SQ. X 2.75
1A4T	26.49		6.17		

	0.75 HP 143TC	1 HP 145TC	1.5 HP 145TC	2 HP 145TC
AF*	9.42	10.42	10.42	10.86
O. D.	7.13	7.13	7.13	7.13

NOTE:

- * Dimensions shown are for stock TEFC enclosure motors only.
- † Height of riser block that comes standard with the gearbox.
- NR indicates that riser block is not required.
- All dimensions are in inches.

ULTIMA - Parallel**SIZE 2 - VERTICAL - ASSEMBLY 12A1 SHOWN**

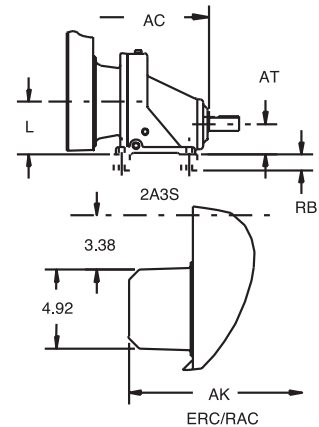
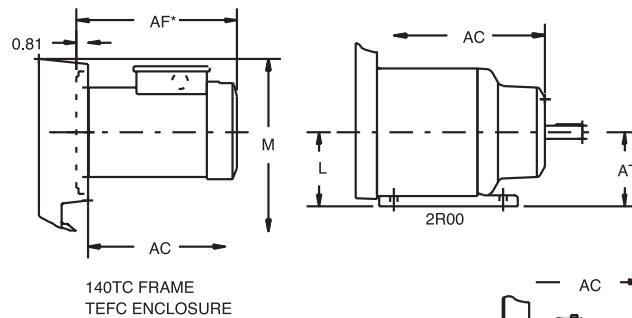
Size	A	B	C	H	I	J	L	M		S	V	W	AB	AC	AI	AK	
								140TC	180TC							HW	ERC
2R00	10.75	13.00	8.50	10.26	10.72	NR	5.75	22.48	25.06	0.50	2.88	0.9995/1.000	5.69	11.38	3.25	27.64	28.48
2A3S	6.62	8.25	5.62		13.48							1.124/1.125		9.63	1.62	25.52	26.36
2A3D	8.00	8.38	7.00		13.43	1.00	4.39	22.11	23.69	0.44	2.51	1.249/1.250	3.56	10.41	1.07	26.30	27.14
2A3T	8.00		7.00		14.12									11.10		26.99	27.83
2A4T	9.00	8.25	7.88		13.99	1.50	4.82	21.55	24.13	0.56	3.26	1.624/1.625	3.50	11.75	0.98	28.40	29.24
2A5T	10.31	12.25	9.06		14.15	NR	6.10	NA	25.41	0.72	3.98	1.999/2.000	5.38	13.20	1.08	30.56	31.40

SIZE	AQ	AT	RB †	Key
2R00	0.88	5.75	NR	1/4" SQ. x 2.06
2A3S	0.63	2.51	1.00	1/4" SQ. X 1.75
2A3D		5.37		
2A3T		6.17		
2A4T		6.17	0.88	3/8" SQ. X 2.75
2A5T	0.74	7.74	NR	1/2" SQ. X 3.50

	2 HP 145TC	3 HP 180TC	5 HP 180TC
AF*	10.86	15.01	15.01
O. D.	7.13	9.25	9.25

NOTE:

- * Dimensions shown are for stock TEFC enclosure motors only.
- † Height of riser block that comes standard with the gearbox.
- NR indicates that riser block is not required.
- All dimensions are in inches.



APG

MASTER XL

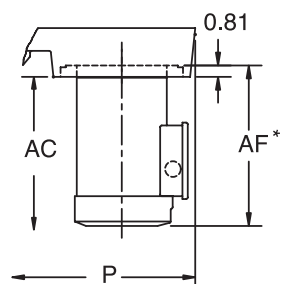
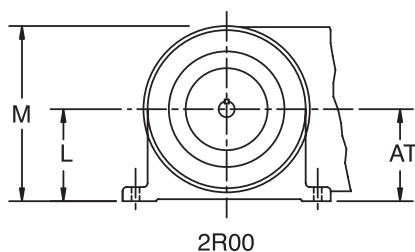
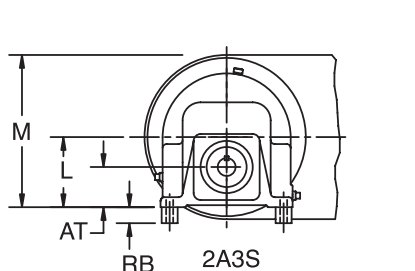
COMBOGEAR

MOTO DRIVE

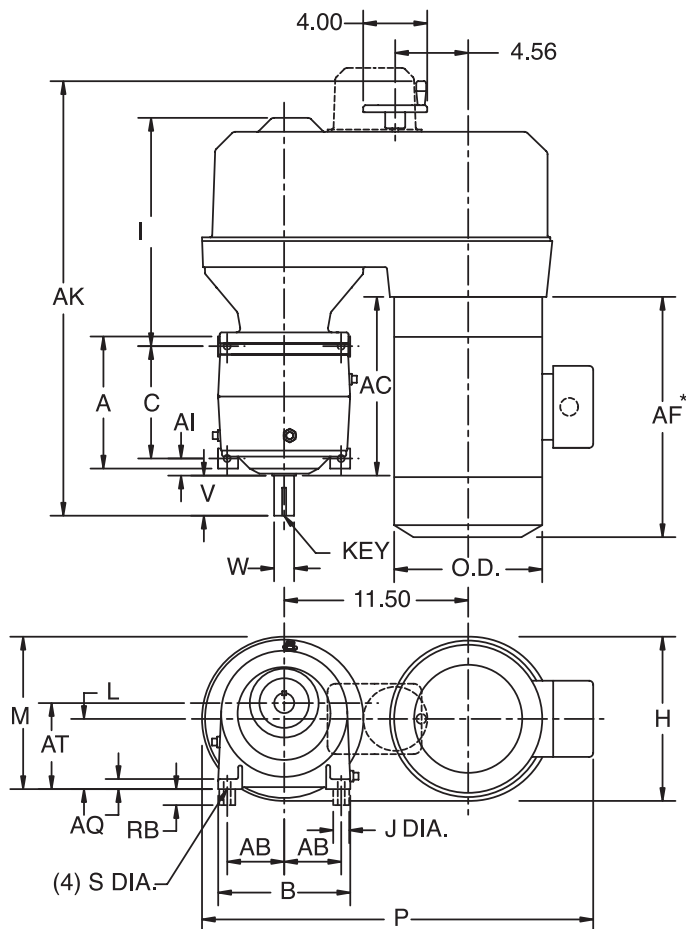
ULTIMA

PULLEYS

ULTIMA - Parallel SIZE 2 - HORIZONTAL - ASSEMBLY 3A1 SHOWN



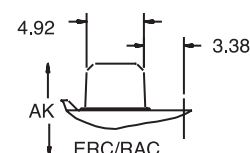
140TC FRAME
TEFC ENCLOSURE



Size	A	B	C	H	I	J	L	M	P		S	V	W	AB	AC	AI	AK	
									140TC	180TC							HW	ERC
2R00	10.75	13.00	8.50	10.26	10.72	NR	5.75	10.88	21.72	24.81	0.50	2.88	0.9995/1.000	5.69	11.38	3.25	27.64	28.48
2A3S	6.62	8.25	5.62		13.48	1.00	4.39	9.51	20.35	23.44	0.44	2.51	1.124/1.125	3.56	9.63	1.62	25.52	26.36
2A3D	8.00	8.38	7.00		13.43								1.249/1.250		10.41	1.07	26.30	27.14
2A3T	8.00		7.00		14.12										11.10		26.99	27.83
2A4T	9.00	8.25	7.88		13.99	1.50	4.82	9.95			0.56	3.26	1.624/1.625	3.50	11.75	0.98	28.40	29.24
2A5T	10.31	12.25	9.06		14.15	NR	6.10	NA	21.35	24.44	0.72	3.98	1.999/2.000	5.38	13.20	1.08	30.56	31.40

Size	AQ	AT	RB	Key
2R00	0.88	5.75	NR	1/4" SQ. X 2.06
2A3S	0.63	2.51	1.00	1/4" SQ. X 1.75
2A3D		5.37		
2A3T				
2A4T		6.17	0.88	3/8" SQ. X 2.75
2A5T	0.74	7.74	NR	1/2" SQ. X 3.50

	2 HP 145TC	3 HP 180TC	5 HP 180TC
AF*	10.86	15.01	15.01
O. D.	7.13	9.25	9.25

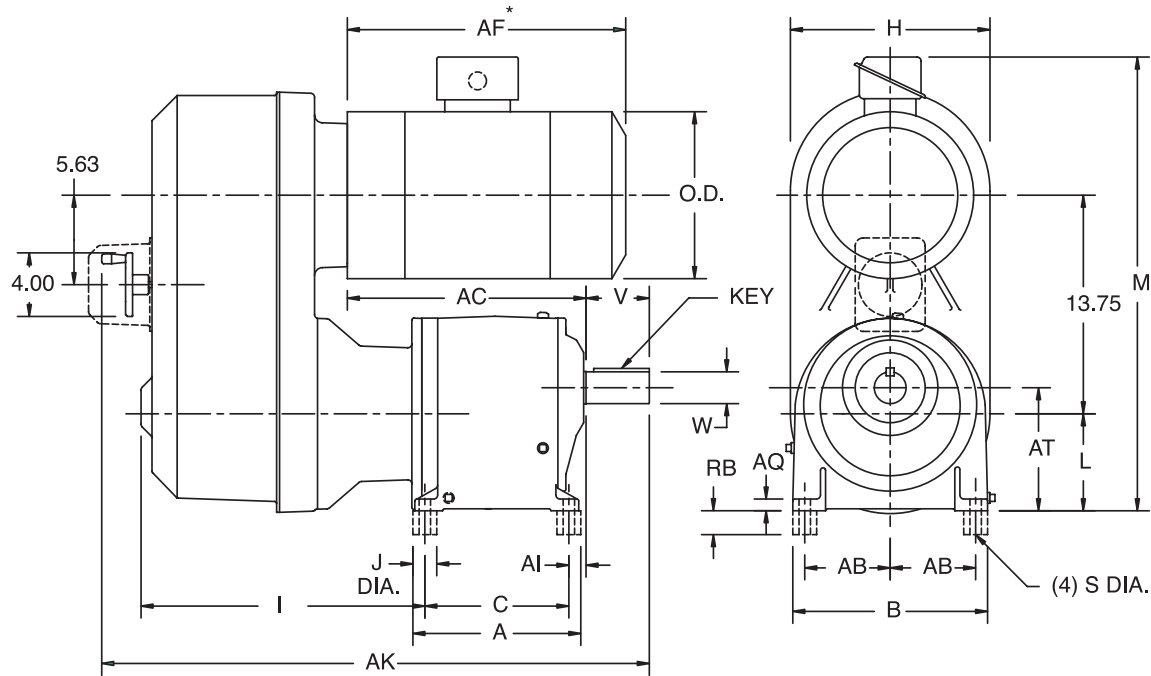


NOTE:

- * Dimensions shown are for stock TEFC enclosure motors only.
- † Height of riser block that comes standard with the gearbox.
- NR indicates that riser block is not required.
- All dimensions are in inches.
- AK IND. Handwheel - AK Handwheel - .97

ULTIMA - Parallel

SIZE 3 - VERTICAL - ASSEMBLY 12A1 SHOWN



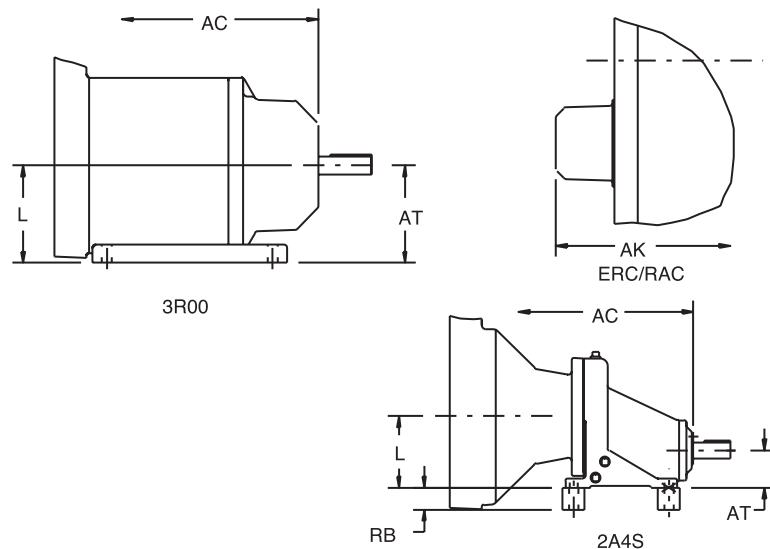
Size	A	B	C	H	I	J	L	M		S	V	W	AB	AC	AI	AK	
								180TC	210TC							HW	ERC
3R00	13.31	15.52	11.31	12.55	12.30	NR	6.62	28.18	29.06	0.69	3.63	1.2500/1.2495	6.81	15.63	3.12	32.83	33.67
3A4S	7.62	8.25	6.50		16.94	1.50	4.82	26.38	27.26	0.56	2.51	1.1250/1.2400	3.50	12.13	1.69	30.09	30.93
3A4D	9.00		7.88		16.96						3.26	1.6250-1.6240		12.83	0.98	31.54	32.38
3A4T			17.71		13.58						32.29	33.13					
3A5D	10.31	12.25	9.06		16.98	NR	6.10	27.66	28.54	0.72	3.98	2.0000-1.9990	5.38	14.14	1.08	33.57	34.41
3A5T					17.87									15.03		34.46	35.30
3A6T	12.88	12.00	11.00		17.63		7.60	29.16	30.04	0.88	4.75	2.3750/2.3740	5.13	16.62	1.00	36.82	37.66

SIZE	AQ	AT	RB †	Key
3R00	1.25	6.62	NR	1/4" SQ. X 2.81
3A4S	0.63	2.55	1.50	1/4" SQ. X 1.75
3A4D		6.17		3/8" SQ. X 2.75
3A4T				
3A5D	0.74	7.74	NR	1/2" SQ. X 3.50
3A5T				5/8" SQ. X 4.00
3A6T	1.00	9.85		

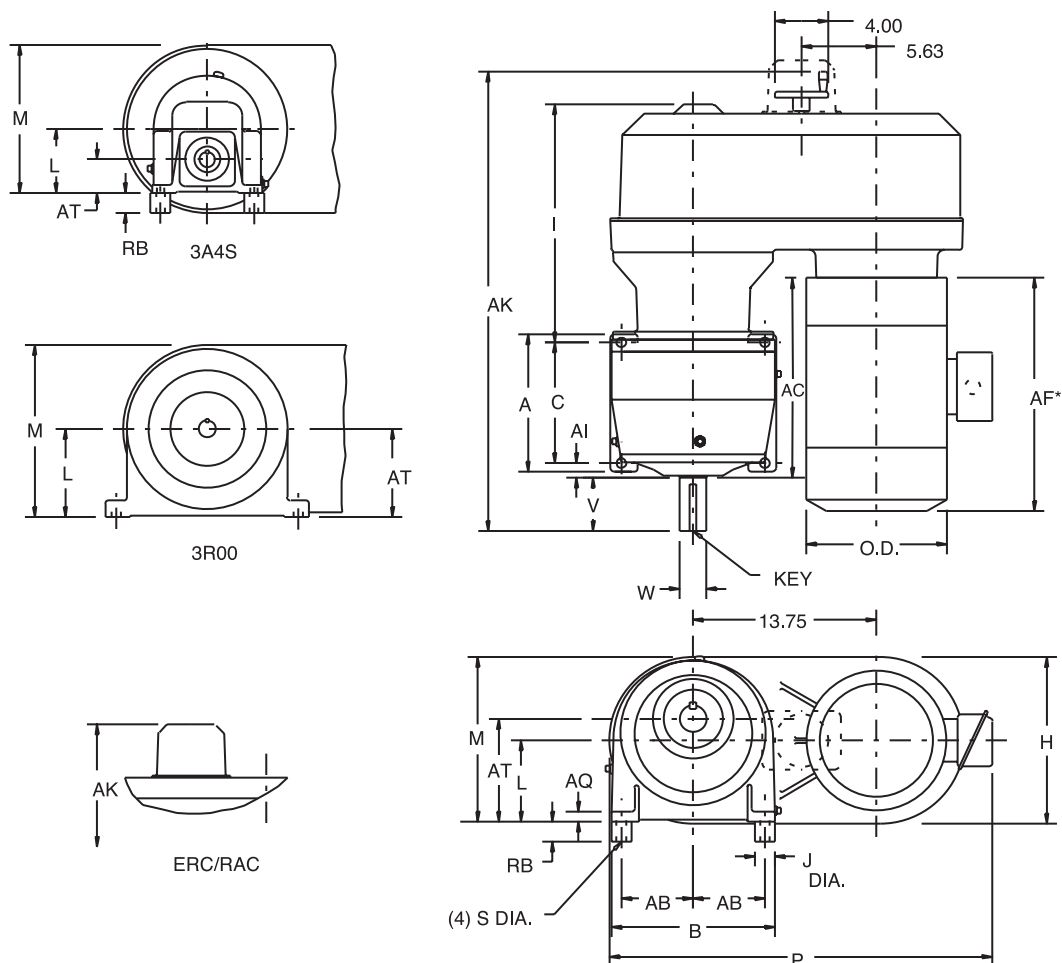
	5 HP 180TC	7.50 HP 210TC	10 HP 210TC
AF*	15.01	17.51	17.51
O. D.	9.25	10.50	10.50

NOTE:

- * Dimensions shown are for stock TEFC enclosure motors only.
- † Height of riser block that comes standard with the gearbox.
- NR indicates that riser block is not required.
- All dimensions are in inches.



ULTIMA - Parallel SIZE 3 - HORIZONTAL - ASSEMBLY 3A1 SHOWN



Size	A	B	C	H	I	J	L	M	P		S	V	W	AB	AC	AI	AK	
									180TC	210TC							HW	ERC
3R00	13.31	15.25	11.31	12.55	12.30	NR	6.62	13.13	29.19	30.07	0.69	3.63	1.2495/1.2500	6.81	15.63	3.12	32.83	33.67
3A4S	7.62	8.25	6.50		16.94	1.50	4.82	11.10	27.76	28.64	0.56	2.51	1.1240/1.1250	3.50	12.13	1.69	30.09	30.93
3A4D	9.00		16.96		12.83							0.98	31.54		32.38			
3A4T			17.71		13.58							32.29	33.13					
3A5D	10.31	12.25	9.06		16.98	NR	6.10	12.38			0.72	3.98	1.9990/2.0000	5.38	14.14	1.08	33.57	34.41
3A5T					17.87										15.03		34.46	35.30
3A6T	12.88	12.00	11.00		17.63		7.60	15.66							0.88	4.75	2.3740/2.3750	5.13

SIZE	AQ	AT	RB †	Key
3R00	1.25	6.62	NR	1/4" SQ. X 2.81
3A4S	0.63	2.55	1.50	1/4" SQ. X 1.75
3A4D		6.17		3/8" SQ. X 2.75
3A4T				
3A5D	0.74	7.74	NR	1/2" SQ. X 3.50
3A5T				5/8" SQ. X 4.00
3A6T	1.00	9.85		

	5 HP 180TC	7.50 HP 210TC	10 HP 210TC
AF*	15.01	17.51	17.51
O. D.	9.25	10.50	10.50

NOTE:

- * Dimensions shown are for stock TEFC enclosure motors only.
- † Height of riser block that comes standard with the gearbox.
- NR indicates that riser block is not required.
- All dimensions are in inches.

ULTIMA - Parallel

12A1 and 12C1 are standard

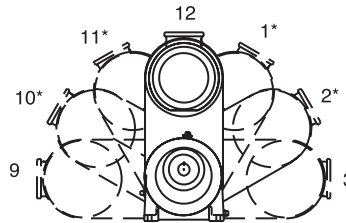
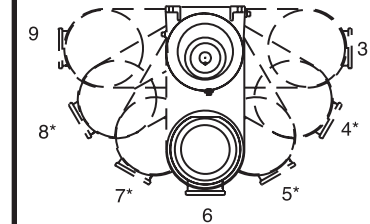
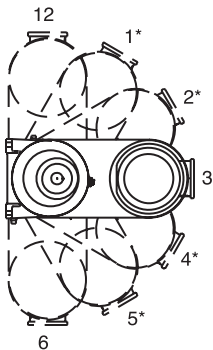
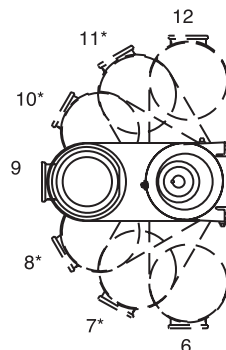
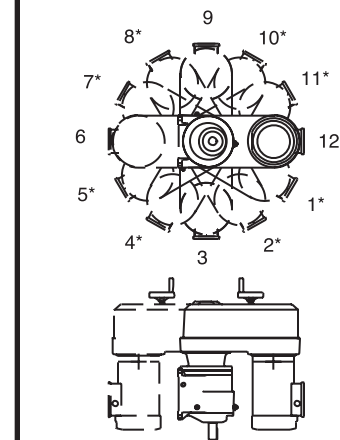
BELT CASE POSITION

(Pick one and turn page for reducer position)

EXAMPLE

Standard assembly for a floor mount is 12A1 where 12 is the beltcase position, and A1 is the reducer position.

* These assemblies available on APG reducers only.

**FLOOR MOUNT****CEILING MOUNT****WEST WALL MOUNT****EAST WALL MOUNT****VERTICAL SHAFT DOWN**

APG

MASTER XL

COMBOGEAR

MOTO DRIVE

ULTIMA

PULLEYS

MOUNTING POSITIONS

REEVES®

ULTIMA - Parallel

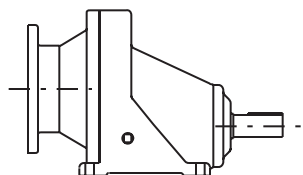
12C1 are standard

REDUCER POSITION

(Pick one and add to beltcase position)

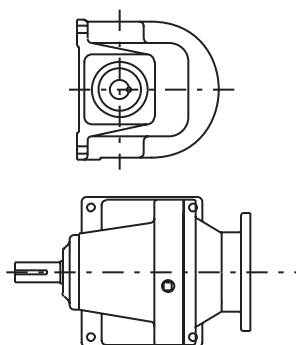
APG Single Reduction

C1



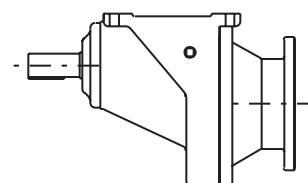
FLOOR MOUNT

C2



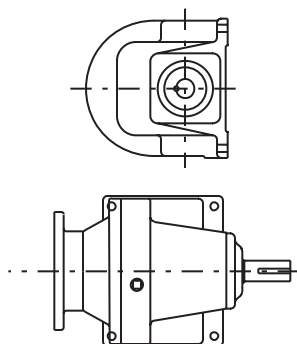
WEST WALL MOUNT

C3



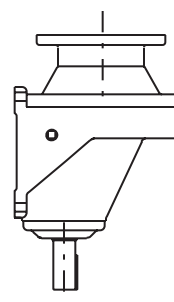
CEILING MOUNT

C4



EAST WALL MOUNT

C5



VERTICAL SHAFT DOWN

APG

MASTER XL

COMBOGEAR

MOTO DRIVE

ULTIMA

PULLEYS

ULT-20

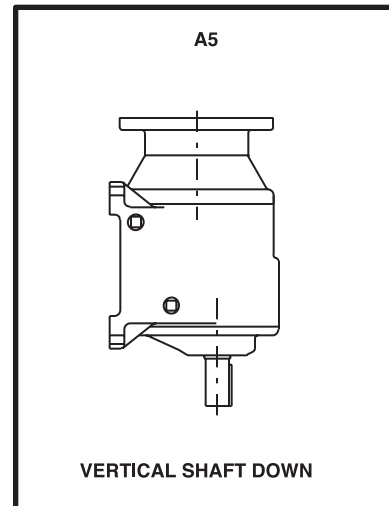
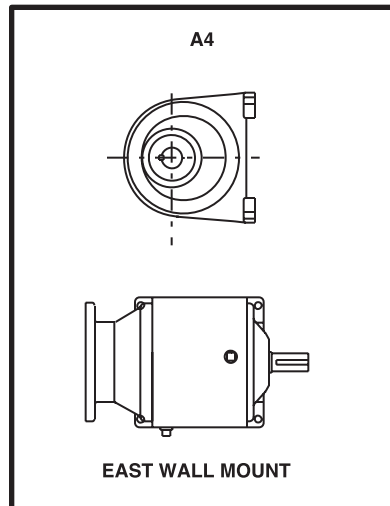
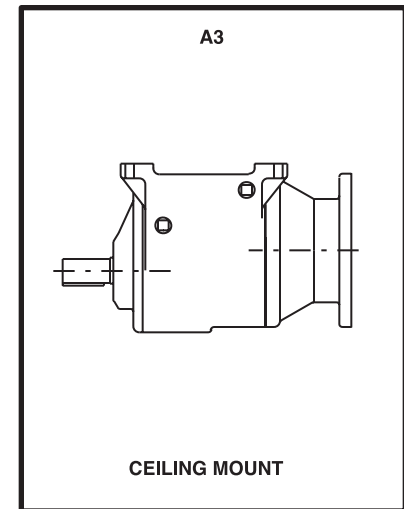
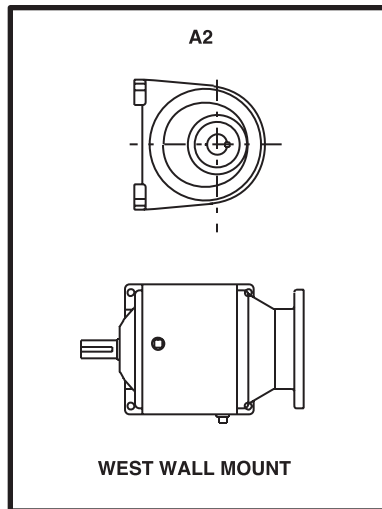
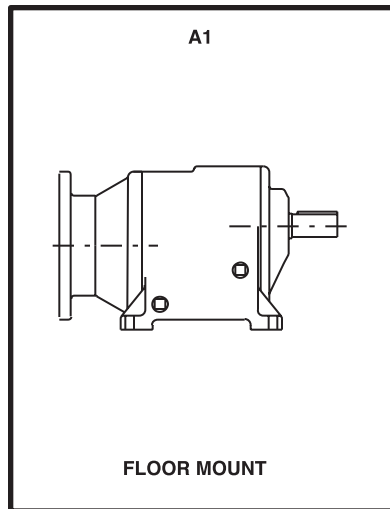
MASTER
POWER TRANSMISSION

ULTIMA - Parallel

12A1 are standard

REDUCER POSITION

(Pick one and add to beltcase position)

APG Double/Triple Reduction

APG

MASTER XL

COMBOGEAR

MOTO DRIVE

ULTIMA

PULLEYS

ULTIMA - Right Angle

0.75 HORSEPOWER
8:1 SPEED RANGE - TEFC

SPEED RANGE		PART NUMBER	SIZE	RATIO	GEAR CLASS	OUTPUT TORQUE IN/LBS @ MAX RPM	OUTPUT HP @ MAX RPM
MAX	MIN						
740	92	7003721	1V16	5	III	55	0.64
493	61	7003738	1V16	7.5	III	80	0.63
370	46	7003745	1V16	10	III	107	0.63
291	36	7003752	1V16	12.7	III	134	0.62
247	31	7003769	1V16	15	II	158	0.62
206	26	7003776	1V16	18	II	187	0.61
185	23	7003783	1V16	20	II	208	0.61
148	18	7003790	1V16	25	II	251	0.59
123	15	7003806	1V16	30	I	281	0.55
93	12	7003813	1V16	40	I	368	0.54
74	9.2	7003820	1B16	50	III	443	0.52
62	7.7	7003837	1B16	60	III	623	0.61
53	6.6	7003844	1B16	70	III	727	0.61
43	5.3	7003851	1B16	86	II	879	0.60
37	4.6	7003868	1B16	101	II	998	0.58
31	3.8	7003875	1B16	121	I	1113	0.54
26	3.2	7003882	1B16	144	I	1325	0.54
23	2.8	7003899	1B16	162	I	1463	0.53
19	2.4	7003905	1B16	192	I	1733	0.53
15	1.9	7003912	1B21	240	I	2085	0.51
13	1.6	7003929	1B21	288	I	2404	0.49

5:1 SPEED RANGE - TEFC

SPEED RANGE		PART NUMBER	SIZE	RATIO	GEAR CLASS	OUTPUT TORQUE IN/LBS @ MAX RPM	OUTPUT HP @ MAX RPM
MAX	MIN						
644	129	7003936	1V16	5	III	63	0.64
430	86	7003943	1V16	7.5	III	92	0.63
320	64	7003950	1V16	10	III	124	0.63
250	50	7003967	1V16	12.7	III	156	0.62
215	43	7003974	1V16	15	II	182	0.62
180	36	7003981	1V16	18	II	214	0.61
160	32	7003998	1V16	20	II	232	0.59
130	26	7004001	1V16	25	II	276	0.57
107	22	7004018	1V16	30	I	324	0.55
80	16	7004025	1V21	40	II	402	0.51
65	13	7004032	1V21	50	I	475	0.49
54	11	7004049	1V21	60	I	560	0.48
46	9.2	7004056	1B16	70	III	836	0.61
38	7.6	7004063	1B16	86	II	962	0.58
32	6.4	7004070	1B16	101	II	1103	0.56
27	5.4	7004087	1B16	121	I	1261	0.54
23	4.5	7004094	1B16	144	I	1429	0.51
20	4	7004100	1B21	162	II	1576	0.5
17	3.3	7004117	1B21	192	II	1872	0.49
14	2.7	7004124	1B21	240	I	2148	0.46
11	2.2	7004131	1B21	288	I	2521	0.44

ULTIMA - Right Angle

1.0 HORSEPOWER
8:1 SPEED RANGE - TEFC

SPEED RANGE		PART NUMBER	SIZE	RATIO	GEAR CLASS	OUTPUT TORQUE IN/LBS @ MAX RPM	OUTPUT HP @ MAX RPM
MAX	MIN						
740	92	7004148	1V16	5	III	72	0.85
493	61	7004155	1V16	7.5	III	107	0.84
370	46	7004162	1V16	10	II	143	0.84
291	36	7004179	1V16	12.7	II	177	0.82
247	31	7004186	1V16	15	II	210	0.82
206	26	7004193	1V16	18	I	245	0.8
185	23	7004209	1V16	20	I	273	0.8
148	18	7004216	1V16	25	I	332	0.78
123	15	7004223	1V21	30	II	393	0.77
93	12	7004230	1V21	40	I	518	0.76
74	9.2	7004247	1V21	50	I	622	0.73
62	7.7	7004254	1B16	60	II	828	0.81
53	6.6	7004261	1B16	70	II	930	0.78
43	5.3	7004278	1B16	86	I	1143	0.78
37	4.6	7004285	1B16	101	I	1308	0.76
31	3.8	7004292	1B21	121	II	1546	0.75
26	3.2	7004308	1B21	144	II	1815	0.74
23	2.8	7004315	1B21	162	I	2014	0.73
19	2.4	7004322	1B21	192	I	2355	0.72
15	1.9	7004339	1B21	240	I	2821	0.69

5:1 SPEED RANGE - TEFC

SPEED RANGE		PART NUMBER	SIZE	RATIO	GEAR CLASS	OUTPUT TORQUE IN/LBS @ MAX RPM	OUTPUT HP @ MAX RPM
MAX	MIN						
644	129	7004346	1V16	5	III	83	0.85
430	86	7004353	1V16	7.5	III	123	0.84
320	64	7004360	1V16	10	III	165	0.84
250	50	7004377	1V16	12.7	II	209	0.83
215	43	7004384	1V16	15	II	240	0.82
180	36	7004391	1V16	18	I	280	0.8
160	32	7004407	1V16	20	I	311	0.79
130	26	7004414	1V16	25	I	378	0.78
107	22	7004421	1V21	30	II	454	0.77
80	16	7004438	1V21	40	I	630	0.8
65	13	7004445	1V21	50	I	756	0.78
54	11	7004452	1B16	60	II	899	0.77
46	9.2	7004469	1B16	70	II	1028	0.75
38	7.6	7004476	1B16	86	I	1227	0.74
32	6.4	7004483	1B16	101	I	1418	0.72
27	5.4	7004490	1B21	121	II	1611	0.69
23	4.5	7004506	1B21	144	II	1849	0.66
20	4	7004513	1B21	162	I	1954	0.62
17	3.3	7004520	1B21	192	I	2292	0.6
14	2.7	7004537	1B21	240	I	2708	0.58

APC

MASTER XL

COMBOGEAR

MOTO DRIVE

ULTIMA

PULLEYS

ULTIMA - Right Angle

1.5 HORSEPOWER
8:1 SPEED RANGE - TEFC

SPEED RANGE		PART NUMBER	SIZE	RATIO	GEAR CLASS	OUTPUT TORQUE IN/LBS @ MAX RPM	OUTPUT HP @ MAX RPM
MAX	MIN						
740	92	7004544	1V16	5	II	106	1.24
493	61	7004551	1V16	7.5	II	157	1.23
370	46	7004568	1V16	10	II	210	1.23
291	36	7004575	1V16	12.7	I	262	1.21
247	31	7004582	1V16	15	I	309	1.21
206	26	7004599	1V21	18	II	365	1.19
185	23	7004605	1V21	20	II	405	1.19
148	18	7004612	1V21	25	II	498	1.17
123	15	7004629	1V21	30	I	593	1.16
103	13	7004636	1B16	36	II	699	1.14
93	12	7004643	1B16	40	II	763	1.12
74	9.2	7004650	1B16	50	I	954	1.12
62	7.7	7004667	1B16	60	I	1226	1.2
53	6.6	7004674	1B16	70	I	1395	1.17
43	5.3	7004681	1B21	86	II	1714	1.17
37	4.6	7004698	1B21	101	II	1978	1.15
31	3.8	7004704	1B21	121	I	2350	1.14
26	3.2	7004711	1B21	144	I	2723	1.11
23	2.8	7004728	1B28	162	II	2787	1.01
19	2.4	7004735	1B28	192	II	3238	0.99
15	1.9	7004742	1B28	240	II	3965	0.97

5:1 SPEED RANGE - TEFC

SPEED RANGE		PART NUMBER	SIZE	RATIO	GEAR CLASS	OUTPUT TORQUE IN/LBS @ MAX RPM	OUTPUT HP @ MAX RPM
MAX	MIN						
644	129	7004759	1V16	5	II	118	1.21
430	86	7004766	1V16	7.5	II	174	1.19
320	64	7004773	1V16	10	II	232	1.18
250	50	7004780	1V16	12.7	I	295	1.17
215	43	7004797	1V16	15	I	337	1.15
180	36	7004803	1V21	18	II	399	1.14
160	32	7004810	1V21	20	II	437	1.11
130	26	7004827	1V21	25	II	528	1.09
107	22	7004834	1V21	30	I	689	1.17
90	18	7004841	1B16	36	III	812	1.16
80	16	7004858	1B16	40	II	890	1.13
65	13	7004865	1B16	50	I	1076	1.11
54	11	7004872	1B16	60	I	1272	1.09
46	9.2	7004889	1B16	70	I	1466	1.07
38	7.6	7004896	1B21	86	II	1775	1.07
32	6.4	7004902	1B21	101	II	2068	1.05
27	5.4	7004919	1B21	121	I	2358	1.01
23	4.5	7004926	1B21	144	I	2773	0.99
20	4	7004933	1B28	162	II	3025	0.96
17	3.3	7004940	1B28	192	II	3476	0.91
14	2.7	7004957	1B28	240	II	4015	0.86

ULTIMA - Right Angle

2.0 HORSEPOWER

8:1 SPEED RANGE - NOT AVAILABLE

5:1 SPEED RANGE - TEFC

SPEED RANGE		PART NUMBER	SIZE	RATIO	GEAR CLASS	OUTPUT TORQUE IN/LBS @ MAX RPM	OUTPUT HP @ MAX RPM
MAX	MIN						
644	129	7004964	1V16	5	II	166	1.7
430	86	7004971	1V16	7.5	I	249	1.7
320	64	7004988	1V16	10	I	335	1.7
250	50	7004995	1V21	12.7	II	421	1.67
215	43	7005008	1V21	15	II	487	1.66
180	36	7005015	1V21	18	I	574	1.64
160	32	7005022	1V21	20	I	638	1.62
130	26	7005039	1V21	25	I	776	1.6
107	22	7005046	1B16	30	II	990	1.68
90	18	7005053	1B16	36	II	1169	1.67
80	16	7005060	1B16	40	I	1292	1.64
65	13	7005077	1B21	50	II	1571	1.62
54	10.8	7005084	1B21	60	II	1867	1.6
46	9.2	7005091	1B21	70	II	2178	1.59
38	7.6	7005107	1B21	86	I	2621	1.58
32	6.4	7005114	1B21	101	I	3092	1.57
27	5.4	7005121	1B28	121	II	3548	1.52
23	4.5	7005138	1B28	144	II	4202	1.5
20	4	7005145	1B28	162	I	4632	1.47
17	3.3	7005152	1B28	192	I	5424	1.42
14	2.7	7005169	1B28	240	I	6396	1.37

APG

MASTER XL

COMBOGEAR

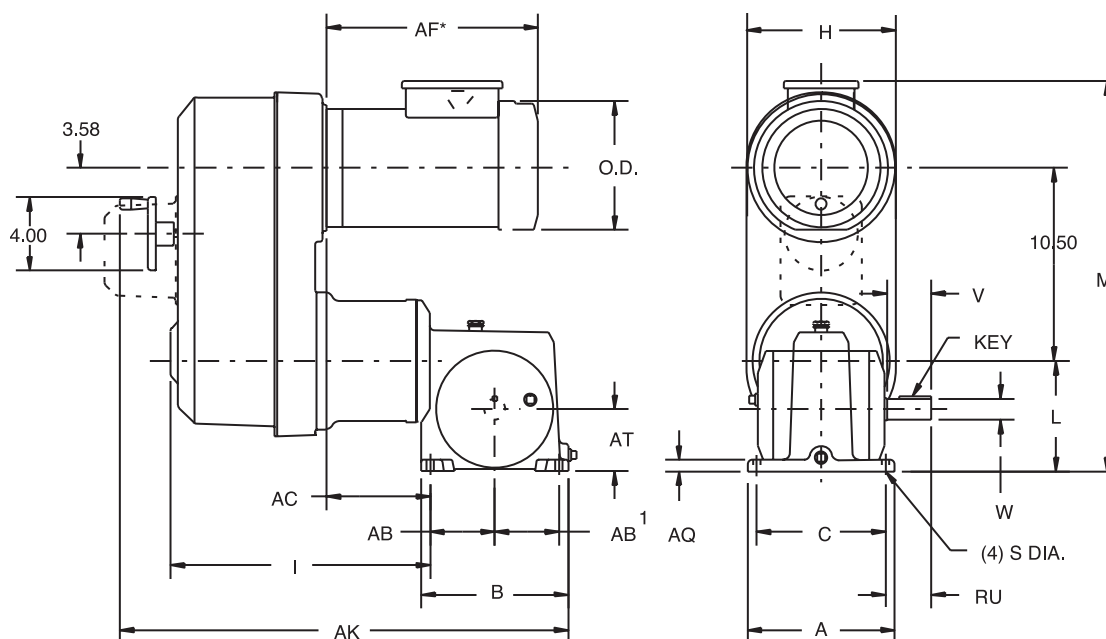
MOTO DRIVE

ULTIMA

PULLEYS

ULTIMA - Right Angle

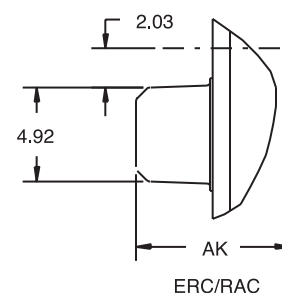
SIZE 1 - VERTICAL - ASSEMBLY 12K1 SHOWN



Size	A	B	C	H	I	L	M	S	V	W	AB	AB¹	AC	AK		AQ
														HW	ERC	
1V16	5.50	6.88	4.50	8.13	13.87	4.50	19.72	0.41	2.00	0.8745/0.8750	3.00	3.00	5.38	23.05	23.89	0.63
1V21	8.00	8.00	7.00		14.12	6.00	21.22		2.50	1.1245/1.1250	3.50	3.50	5.63	24.37	25.21	
1B16	7.75	10.00	6.50		14.00	5.00	20.22	0.53	3.25	1.4995/1.5000	5.50	4.00	5.50	26.26	27.10	
1B21	9.25	12.25	8.00		14.12	6.63	21.85				7.00		5.63	28.50	29.34	
1B28	11.12	16.12	9.00		14.78	8.63	23.84				9.06		6.28	32.59	33.43	

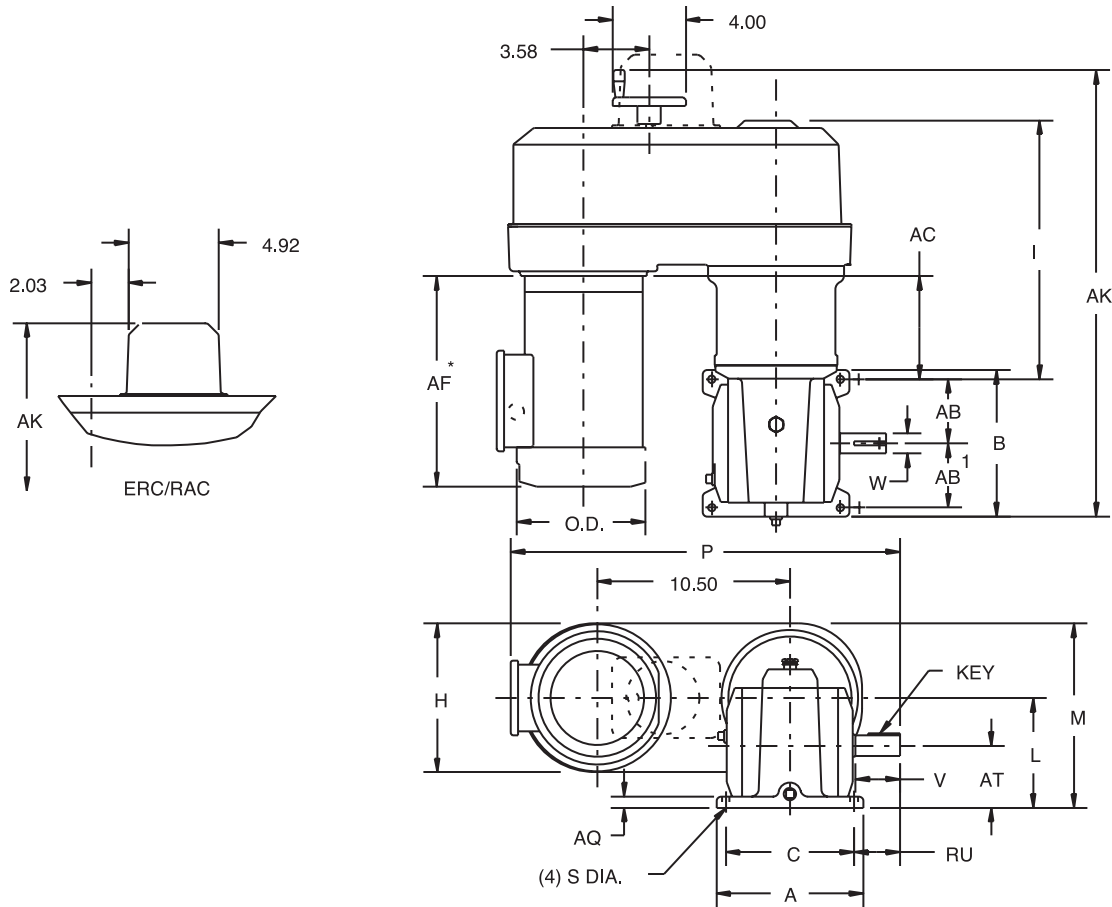
Size	AT	RU	Key
1V16	2.50	2.31	3/16" SQ. X 1.25
1V21	3.38	2.50	1/4" SQ. X 1.75
1B16	3.00	2.87	
1B21	4.00	4.00	3/8" SQ. X 2.50
1B28	5.12	6.07	1/2" SQ. X 3.50

	0.75 HP 143TC	1 HP 145TC	1.50 HP 145TC	2 HP 145TC
AF*	9.42	10.42	10.42	10.86
O. D.	7.13	7.13	7.13	7.13



NOTE:

- * Dimensions shown are for stock TEFC enclosure motors only.
- All dimensions are in inches.

ULTIMA - Right Angle**SIZE 1 - HORIZONTAL - ASSEMBLY 9K1 SHOWN**

Size	A	B	C	H	I	L	M	P	S	V	W	AB	AB1	AC	AK	
															HW	ERC
1V16	5.50	6.88	4.50	8.13	13.87	4.50	8.57	19.72	0.41	2.00	0.8745/0.8750	3.00	3.00	5.38	23.05	23.89
1V21	8.00	8.00	7.00		14.12	6.00	10.07	21.22		2.50	1.1245/1.1250	3.50	3.50	5.63	24.37	25.21
1B16	7.75	10.00	6.50		14.00	5.00	9.07	20.22				5.50	5.50	5.50	26.26	27.10
1B21	9.25	12.25	8.00		14.12	6.63	10.70	21.85	0.53	3.25	1.4995/1.5000	7.00	4.00	5.63	28.50	29.34
1B28	11.13	16.13	9.00		14.78	8.63	12.70	23.84	0.66	4.56	2.1240/2.1250	9.06	4.94	6.28	32.59	33.43

AQ	AT	RU	Key
0.63	2.50	2.31	3/16" SQ. X 1.25
	3.38	2.50	1/4" SQ. X 1.75
	3.00	2.88	
0.75	4.00	4.00	3/8" SQ. X 2.50
1.00	5.12	6.06	1/2" SQ. X 3.50

	0.75 HP 143TC	1 HP 145TC	1.50 HP 145TC	2 HP 145TC
AF*	9.42	10.42	10.42	10.86
O. D.	7.13	7.13	7.13	7.13

NOTE:

- * Dimensions shown are for stock TEFC enclosure motors only.
- Assembly 3L1 also available.
- Output shaft must be opposite the beltcase.

ULTIMA - Right Angle

12K1 is standard

BELTCASE POSITION

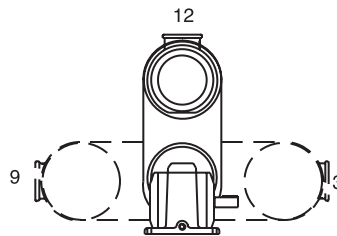
(Pick one and turn page for reducer position)

EXAMPLE:

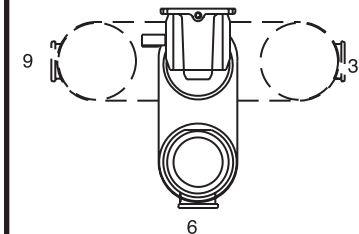
Standard assembly for a floor mount is 12K1 where 12 is the beltcase position, and K1 is the reducer position.

NOTE:

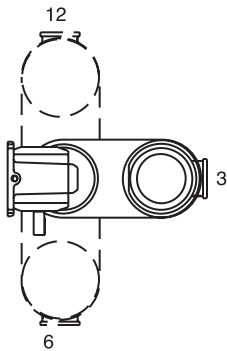
Motor cannot be on the same side as the output shaft.
EXAMPLE: 3K1 is not available.



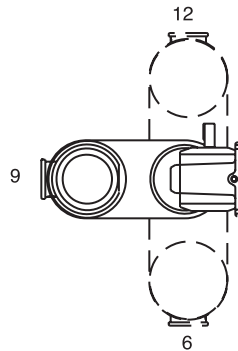
FLOOR MOUNT



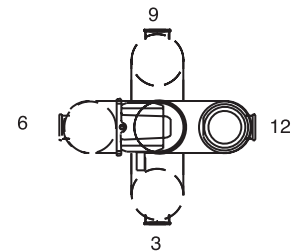
CEILING MOUNT



WEST WALL MOUNT



EAST WALL MOUNT



VERTICAL SHAFT DOWN

APG

MASTER XL

COMBOGEAR

MOTO DRIVE

ULTIMA

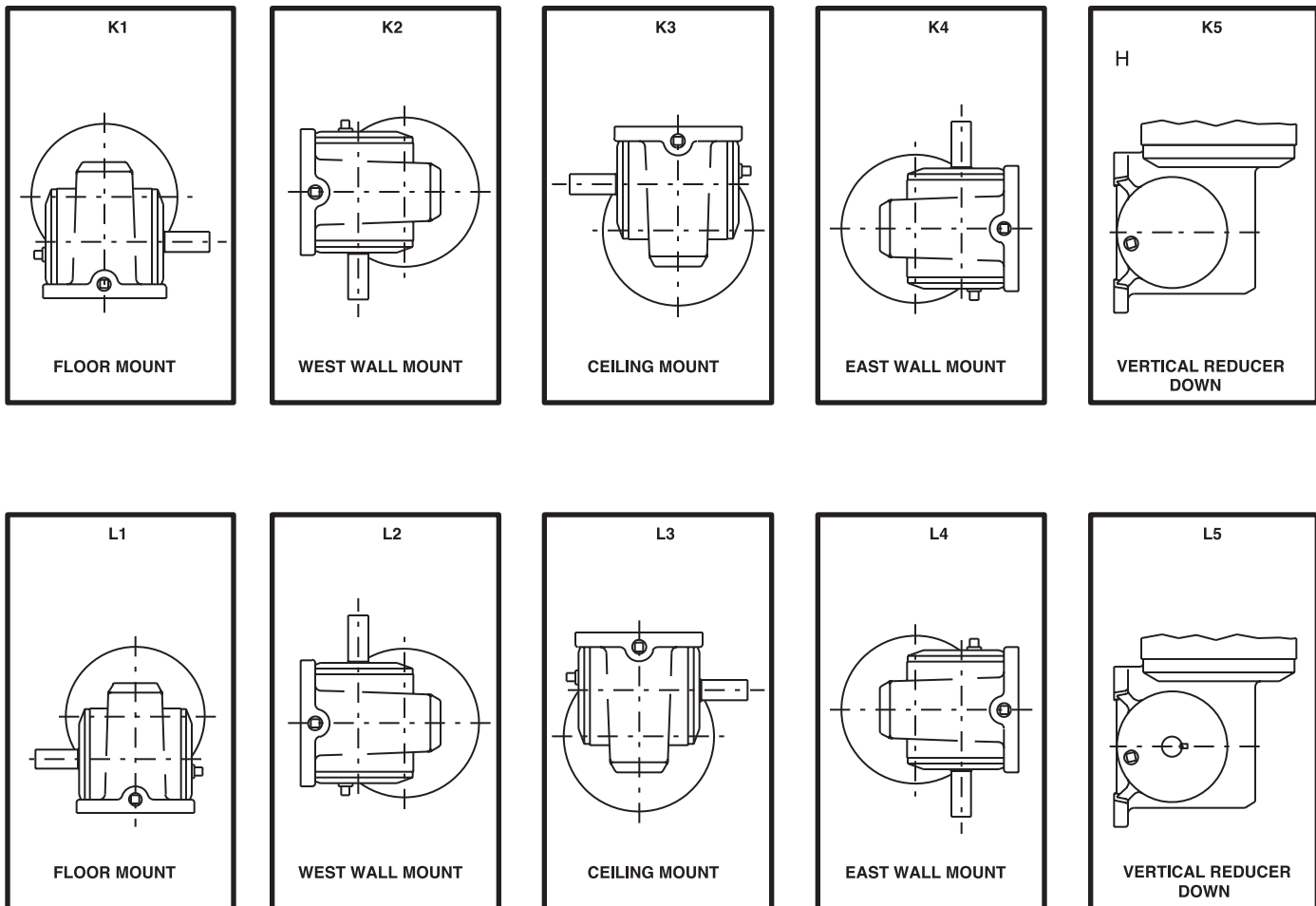
PULLEYS

ULTIMA - Right Angle

12K1 is standard

REDUCER POSITION

(Pick one and add to beltcase position)



H Output shaft is located on the concealed side of these units.

APG

MASTER XL

COMBOGEAR

MOTO DRIVE

ULTIMA

PULLEYS

ULTIMA - NEMA C-Face Output

REEVES ULTIMA drives with NEMA C-face outputs allow for a variety of stock components to be used in an adjustable speed system. Any double C-face brake or C-face reducer can be mounted on the output of the ULTIMA drive. These units offer a 5:1 speed range up to 10 HP. Many standard MASTER products are available for use on ULTIMA drives. See the MASTER Catalogs for options.

To select an output component to mount on the end of the ULTIMA drive C-face output, use reducer or brake ratings tables and assume an input speed of 3220 rpm. Select a component that will carry the torque at 3220 rpm listed in the chart below. Generally, rating tables will show a 3600 rpm input choice which may be used for 3220 rpm applications.

C-Face ULTIMA Selection Table

HP	Size	Output Frame	3220 rpm in/lb out	2500 rpm in/lb out	1750 rpm in/lb out	1430 rpm in/lb out	1170 rpm in/lb out	Part Number	Weight
1/.85	1N00	140TC	16	22	31	37	46	7005176	130
1.5/1.41	1N00	140TC	27	37	51	62	72*	7005183	134
2/1.98	1N00	140TC	39	51	71	72*	72*	7005190	141
3/2.83	2N00	180TC	55	71	102	125	152	7005206	235
5	2N00	180TC	98	126	180	180*	180*	7005213	245
7.5	3N00	210TC	146	189	270	331	360*	7005220	360
10	3N00	210TC	196	252	360	360*	360*	7005237	385

When speed reducers are used on the output, you can determine the delivered torque by multiplying the torque value in the chart above by the ratio of the reducer x the efficiency of the reducer.

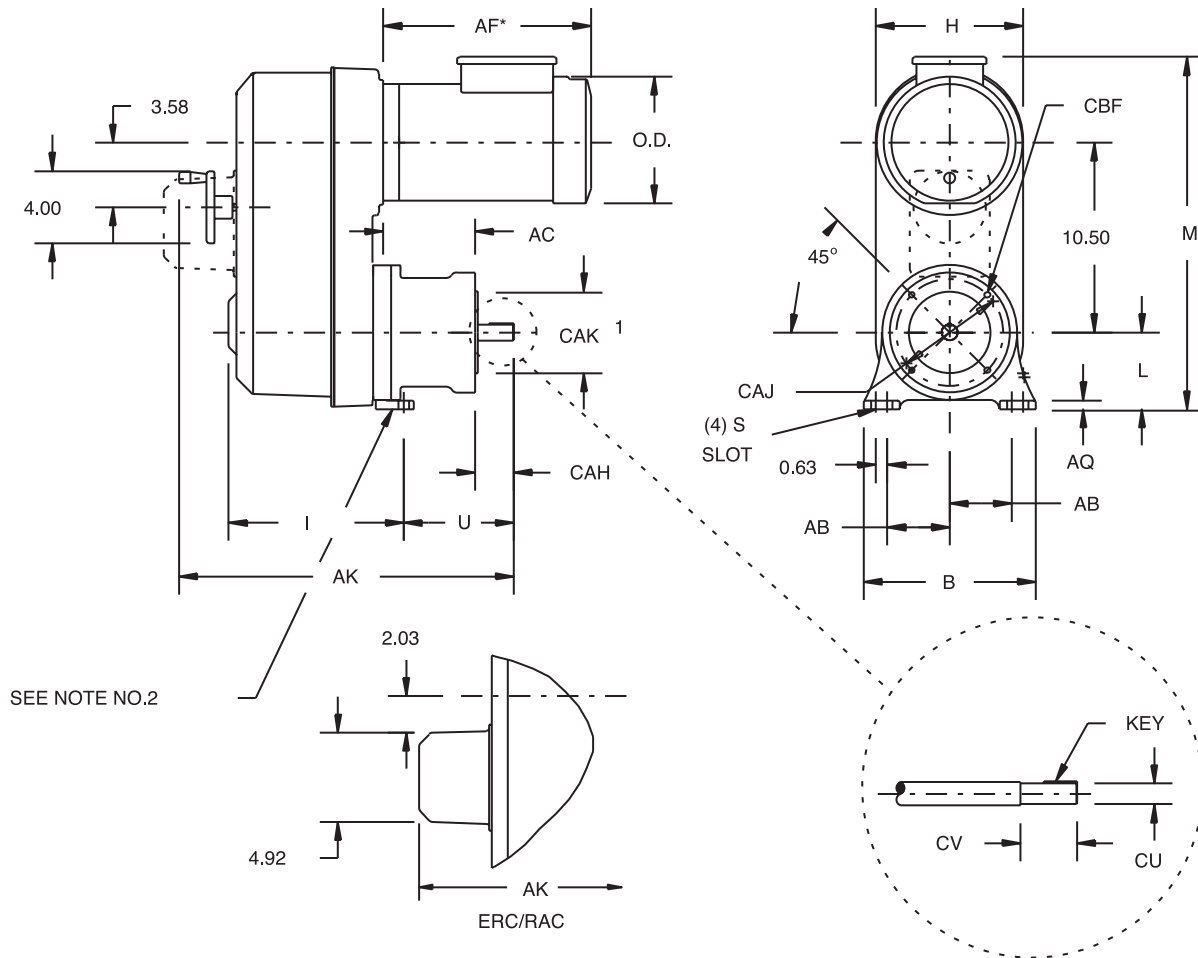
*Unit capability is less than specified H. P. at selected speed. If specified H. P. is required at selected speed, upsize unit to next larger case size.

MOUNTING POSITION

REEVES ULTIMA drives with NEMA C-face output are equipped with an auxiliary foot. The foot is positioned between the beltcase and C-face output. For other mounting requirements the foot can be rotated 90° or 180° in either direction.

ULTIMA - NEMA C-Face Output

SIZE 1 - NEMA 140TC - FACE OUTPUT



Size	B	H	I	L	M	S	U	AB	AC	AK		AQ	CU	CV	CAH	CAJ
										HW	ERC/RAC					
1N00	9.50	8.13	9.67	4.25	19.47	0.50	5.94	3.44	5.06	18.77	19.64	0.50	0.8750/0.8744	2.38	2.13	5.88

Size	CAK1	CBF	Key
1N00	4.50	0.38-16	3/16" SQ. X 1.38 LG.

	0.75 HP 143TC	1 HP 145TC	1.50 HP 145TC	2 HP 145TC
AF*	9.42	10.42	10.42	10.86
O. D.	7.13	7.13	7.13	7.13

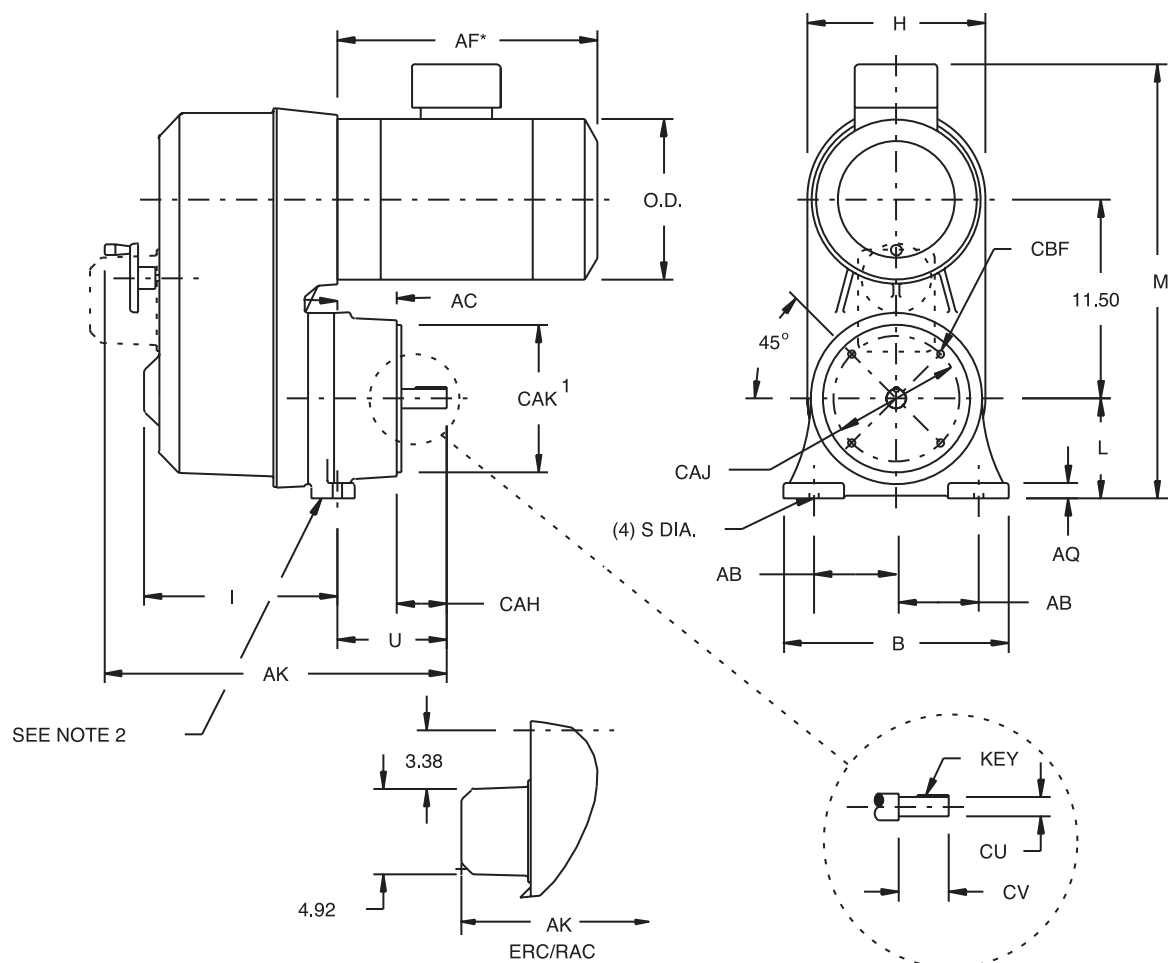
NOTE:

- * Dimensions shown are for stock TEFC enclosure motors only.
- Attach unit to driven load. Shim auxiliary feet as required to support beltcase.
- All dimensions are in inches.

DIMENSIONS

REEVES®

ULTIMA - NEMA C-Face Output SIZE 2 - NEMA 180TC - FACE OUTPUT



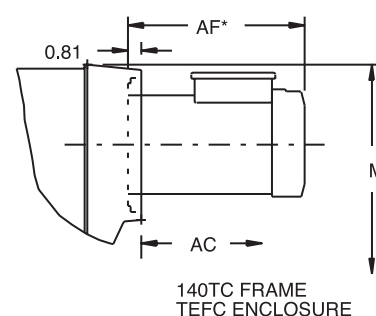
Size	B	H	I	L	M		S	U	AB	AC	AK		AQ	CU	CV	CAH	CAJ
					140TC	180TC					HW	ERC/RAC					
2N00	13.00	10.26	11.15	5.75	22.00	25.09	0.50	6.06	4.75	3.44	19.50	20.34	0.88	1.1250/1.1244	2.88	2.63	7.25

Size	CAK1	CBF	Key
2N00	8.50	0.50-13	1/4" SQ. X 1.75 LG.

	2 HP 145TC	3 HP 180TC	5 HP 180TC
AF*	10.86	15.01	15.01
O. D.	7.13	9.25	9.25

NOTE:

- * Dimensions shown are for stock TEFC enclosure motors only.
- Attach unit to driven load. Shim auxiliary feet as required to support beltcase.
- All dimensions are in inches.

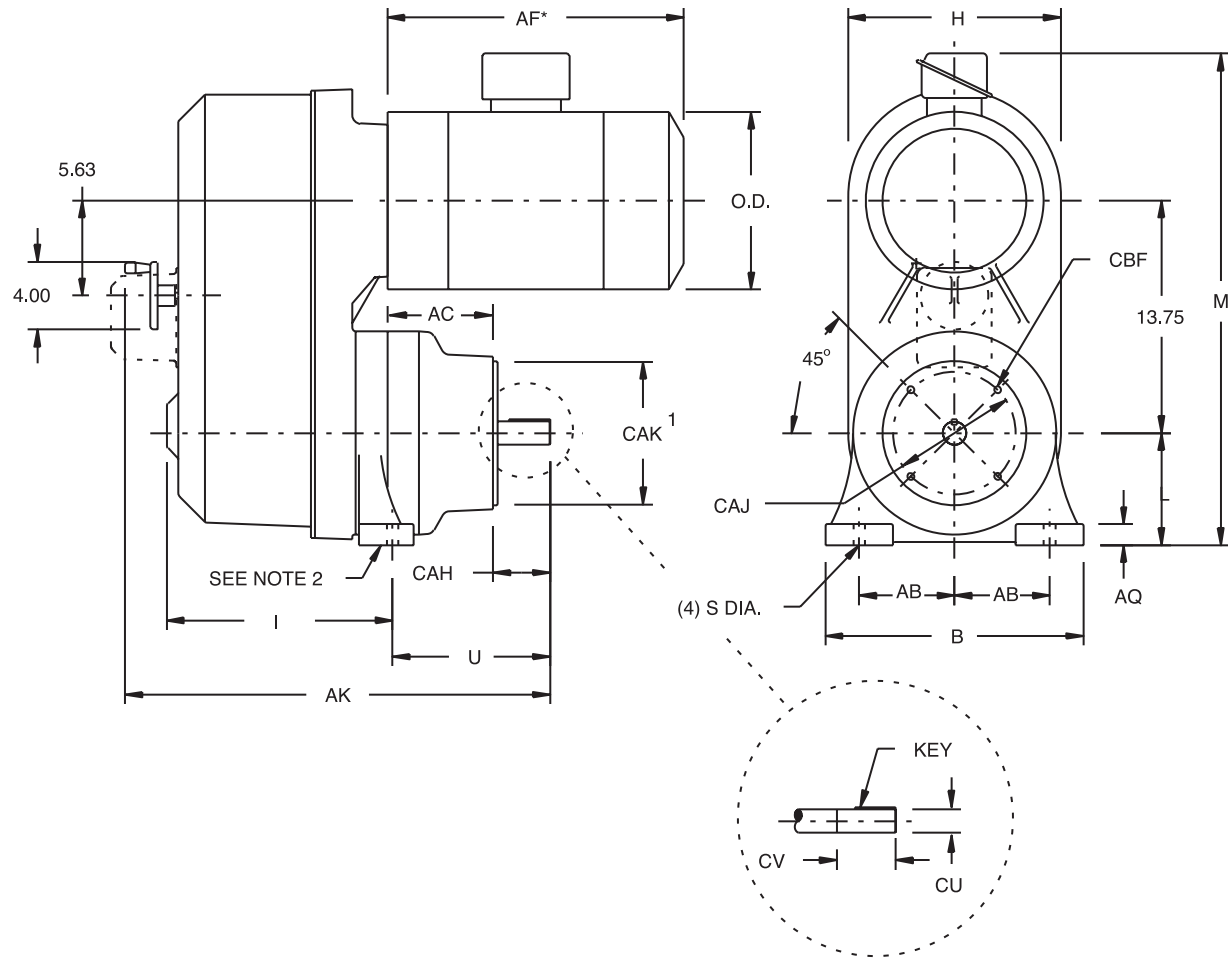


ULT-32

MASTER
POWER TRANSMISSION

ULTIMA - NEMA C-Face Output

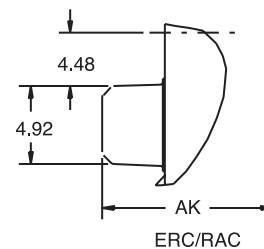
SIZE 3 - NEMA 210TC - FACE OUTPUT



Size	B	H	I	L	M		S	U	AB	AC	AK		AQ	CU	CV	CAH	CAJ
					140TC	180TC					HW	ERC					
3N00	15.25	12.55	13.28	6.63	28.19	28.07	0.63	9.07	5.63	6.24	24.82	25.66	1.25	1.3750/1.3744	3.38	3.13	7.25

Size	CAK1	CBF	Key
3N00	8.50	0.50-13	5/16" SQ. X 2.38 LG.

	5 HP 180TC	7.50 HP 210TC	10 HP 210TC
AF*	15.01	17.51	17.51
O. D.	9.25	10.5	10.5



NOTE:

- * Dimensions shown are for stock TEFC enclosure motors only.
- Attach unit to driven load. Shim auxiliary feet as required to support beltcase.
- All dimensions are in inches.

ULTIMA

APG

MASTER XL

COMBOGEAR

MOTO DRIVE

ULTIMA

PULLEYS

Motor Options: A variety of C-face motors are available off the shelf for use on ULTIMA drives. Examples include corrosion resistant (XT), Easy Clean, high efficiency (XE), and explosion-proof (XP). When explosion proof motors are used, the torque ratings shown on the selection charts must be derated by multiplying the output torque shown by .87. This is because explosion proof motors are not service factored. Standard ULTIMA drivemotors are 1750 rpm, 3 phase, 230/460 volt, 60 Hz, TEFC, 1.15 service factor, Class F insulated, Design B, C-face footless.

Electric Remote Control: The ERC offers an easy way to change speeds from a remote location. The ERC option includes a push-button station, and a servo motor that operates the shifting mechanism in the beltcase. This option is ideal where open loop remote operation is required.

NOTE: Explosion-Proof ERC not available.

Programmable Digital Tachometer: Includes 5 digit, programmable LCD (Liquid Crystal Display) indicator with .6 inch high digits and pickup unit (60 tooth pulse wheel and magnetic reluctance sensor). Indicator is powered by a replaceable, internal battery with a 5 year life. Pickup is mounted inside the beltcase and remains in place even during belt changes. Detailed indicator programming instructions are included. Includes the installed sensor and pulse wheel and the separate digital indicator. The indicator may be remotely mounted up to 500 feet away with (user supplied) 2-conductor cable.

Chromalife Discs: Where long term storage or exposure to a corrosive atmosphere is anticipated, this feature protects disc faces by chrome plating the surface.

Tachometer Pickup: Same magnetic reluctance sensor and 60 tooth pulse wheel as supplied for the Programmable Digital Indicator, less indicator.

Brakes: A variety of clutches and brakes are available for use on ULTIMA drives with C-face outputs. For additional information refer to page ULT-30.

Washdown Package: This option includes an Easy Clean Motor, Chromalife Discs, a corrosion resistant (XT) gearcase, and USDA approved white paint. This package is ideal for food, chemical and wastewater industry applications.

Beltcase Retrofit Kits: Converting a MOTO DRIVE beltcase to an ULTIMA beltcase

Retrofit kits are now available to convert a REEVES MOTO DRIVE unit to the ULTIMA design. These kits are ideal to modify an existing MOTO DRIVE to provide the ease and simplicity of performing routine maintenance the ULTIMA Drive permits.

The kit replaces a MOTO DRIVE beltcase with an ULTIMA backplate, cover and control assembly. The kit also includes a new belt, bushings, thrust bearing and variable shaft bearing. All other components from the existing MOTO DRIVE can continue to be used.

These retrofit kits are only available for and usable on standard C-Flow MOTO DRIVE. They are not adaptable to Z-Flow, Trunnion foot, Inverted Vertical assemblies, and units with brakes or tachometers.

When ordering, be sure to include nameplate data from the existing MOTO DRIVE so a Specification Change (MFC) can be used. A new stamped nameplate will be included in the kit and will ensure that correct replacement parts are provided in the future.

ULTIMA

INSTALLATION

ULTIMA drives ship installation-ready with speed stops set and gear units factory filled with lubricant. Some surfaces are coated with corrosion preventive compound which should be cleaned prior to mounting the output component. Disc faces are shipped with corrosion resistant compound that does not need to be removed prior to start-up. This compound will wear off quickly in service. A rigid base is essential for mounting the ULTIMA unit because of the high torque capability of these drives. When used with coupling outputs, shimming will be necessary to assure proper alignment. When belt or chain drives outputs are used, it is desirable to install the sheave, pulley or sprocket as close to the ULTIMA drive output cover as is possible. Proper clearance should be allowed for removal of the beltcase cover. The clearances required by case size are shown below.

Clearance Required for Beltcase Cover Removal:

Size 1 - 5.50"

Size 2 - 5.50"

Size 3 - 5.50"

NOTE: For comprehensive installation instructions and safety precautions refer to manual at www.master-pt.com.

MAINTENANCE

Under normal conditions, the REEVES ULTIMA drive's user friendly design cuts scheduled maintenance to minutes per year. Occasional visual inspections to check for hardware security, leakage, and general overall condition is good practice with any machine. In extremely dirty environment, heavy accumulations of dirt can cause overheating. An occasional washdown or wipe-off is good practice with any machine. Every 6 months or 2000 hours running time, an inspection should be made for unusual noises, belt wear, bushing wear and lubricant conditions. By following the instructions in the manual, you can assure years of dependable service from your REEVES ULTIMA drive. Complete maintenance instructions and warnings at www.master-pt.com should be reviewed prior to installation.

NOTE: ULTIMA size 3 uses grease lubricated discs and requires periodic relubrication.

APG

MASTER XL

COMBOGEAR

MOTO DRIVE

ULTIMA

PULLEYS

ULTIMA Weights

Parallel Gearing

HP	Size	Weight (lbs)
3/4	1R00	145
	1A2S	133
	1A2D	145
	1A2T	149
1	1R00	143
	1A2S	133
	1A2D	145
	1A2T	149
	1A3T	175
1-1/2	1R00	147
	1A2S	136
	1A2D	148
	1A2T	152
	1A3T	183
	1A4T	195
2	1R00	154
	2R00	205
	1A2S	150
	2A3S	195
	1A2D	162
	2A3D	213
	1A3T	192
	2A3T	220
	1A4T	206
	2A4T	234
3	2R00	248
	2A3S	238
	2A3D	256
	2A3T	263
	2A4T	277
	2A5T	344
5	2R00	255
	3R00	355
	2A3S	248
	3A4S	351
	2A3D	266
	3A4D	375
	2A4T	287
	3A4T	383
	2A5T	354
7-1/2	3A5T	472
	3R00	396
	3A4S	392
	3A4D	416
	3A5D	510
	3A5T	513
	3A6T	576

HP	Size	Weight (lbs)
10	3R00	419
	3A4S	410
	3A4D	434
	3A5D	528
	3A5T	533
	3A6T	599

Right Angle Gearing

HP	Size	Weight (lbs)
3/4	1V16	149
	1V21	178
	1B16	172
	1B21	226
1	1V16	149
	1V21	178
	1B16	172
	1B21	226
1-1/2	1V16	153
	1V21	182
	1B16	176
	1B21	230
	1B28	330
2	1V16	170
	1V21	189
	1B16	183
	1B21	237
	1B28	337

Ultima Drive with C-Face Output Flange

HP	Size	Flange	Weight (lbs)
1	1N00	140TC	130
1-1/2			134
2			141
3	2N00	180TC	235
5			245
7-1/2	3N00	210TC	360
10			385