

佳美国际发展有限公司



CE
Series

White Hydraulics Products

A White Hydraulics product is defined as products manufactured and/or sold by White Hydraulics Inc. Hopkinsville, Kentucky USA and/or White Hydraulics GmbH Ratingen, Germany.

Important Information

Before selecting or using a White Hydraulics product, it is important that all information concerning the product warranty, limitation of liability and responsibility of the customer be reviewed. This information is located below. Please direct any questions regarding this information to your White Hydraulics representative.

Disclaimer

This catalog provides product options for further investigation by customers having technical expertise with respect to the use of such products. It is the responsibility of the customer to thoroughly analyze all aspects of the customer's application and to review the information concerning the product in the current product catalog. Due to the diversity of possible applications, the customer is solely responsible for making the final selection of the product(s) to be used and to assure that all performance, safety and warning requirements of the application are met. The customer is further responsible for all testing to verify acceptable life and performance of White Hydraulics' products under actual operating conditions.

White Hydraulics has made all reasonable efforts to present accurate information in this catalog and shall not be responsible for any incorrect information which may result from unintentional oversight. Due to continuous product improvement, the product specifications as stated in this catalog are subject to change by White Hydraulics at any time without notice. The customer should consult a sales representative of White Hydraulics for detailed information and to determine any changes in the information in this catalog.

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Warranty

White Hydraulics products are sold subject to a limited warranty and a limitation of remedies policy, both of which constitute part of any and all agreements to purchase White Hydraulics' products. White Hydraulics makes no other warranties or promises other than those specifically noted in its written policies, and no White Hydraulics employee or agent has the power to alter those policies other than in writing.

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Performance testing is the critical measure of a motor's ability to convert flow and pressure into speed and torque. All product testing is conducted using White Hydraulics' state of the art test facility. This facility utilizes fully automated test equipment and custom designed software to provide accurate, reliable test data. Test routines are standardized, including test stand calibration and stabilization of fluid temperature and viscosity, to provide consistent data. The example below provides an explanation of the values pertaining to each heading on the performance chart.



Pressure refers to the measured pressure differential between the inlet and return ports of the motor during the test.

The maximum continuous pressure rating and maximum intermittent pressure rating of the motor are separated by the dark lines on the chart.

Theoretical RPM represents the RPM that the motor would produce if it were 100% volumetrically efficient. Measured RPM divided by the theoretical RPM gives the actual volumetric efficiency of the motor.

Flow represents the amount of fluid passing through the motor during each minute of the test.

Flow GPM (LPM)	Pressure psi (bar)								Theo. RPM
	250 (17)	500 (35)	1000 (69)	1500 (104)	2000 (138)	2500 (173)	3000 (207)	3500 (242)	
0.5 (2)	184 (21) 14	418 (47) 13	745 (84) 10	1008 (114) 7					16
1 (4)	226 (26) 26	459 (52) 26	969 (109) 23	1387 (157) 21	1793 (203) 18	2305 (260) 13	2566 (290) 10	2490 (281) 7	32
2 (8)		456 (52) 58	977 (110) 56	1424 (161) 51	1845 (208) 47	2382 (269) 33	2746 (310) 29	3066 (347) 25	63
4 (15)		422 (48) 119	975 (110) 112	1497 (169) 103	1992 (225) 95	2399 (271) 91	2896 (327) 83	3269 (369) 82	125
6 (23)		409 (46) 187	934 (106) 182	1402 (158) 177	1803 (204) 173	2199 (248) 168	2630 (297) 160	3290 (372) 143	188
8 (30)			876 (99) 248	1389 (157) 244	1829 (207) 240	2241 (253) 233	2857 (323) 205	3282 (371) 201	250
10 (38)			853 (96) 306	1379 (156) 298	1834 (207) 293	2278 (257) 286	2633 (297) 279	3178 (359) 269	313
12 (45)			749 (85) 371	1337 (151) 360	1823 (206) 352	2267 (256) 345	2695 (305) 341	3042 (344) 335	375
14 (53)			684 (77) 437	1215 (137) 428	1745 (197) 418	2222 (251) 409	2618 (296) 404	3034 (343) 396	438
16 (61)			633 (71) 499	1191 (135) 490	1717 (194) 482	2163 (244) 467	2687 (304) 454	3134 (354) 449	500
Stall Torque			824 (93)	1204 (136)	1653 (187)	1979 (224)	2234 (252)		
Theo. Torque	295 (33)	589 (67)	1178 (133)	1768 (200)	2357 (266)	2946 (333)	3535 (399)	4124 (466)	

Stall Torque represents the actual torque produced by the motor at the stated pressure and 1 RPM.

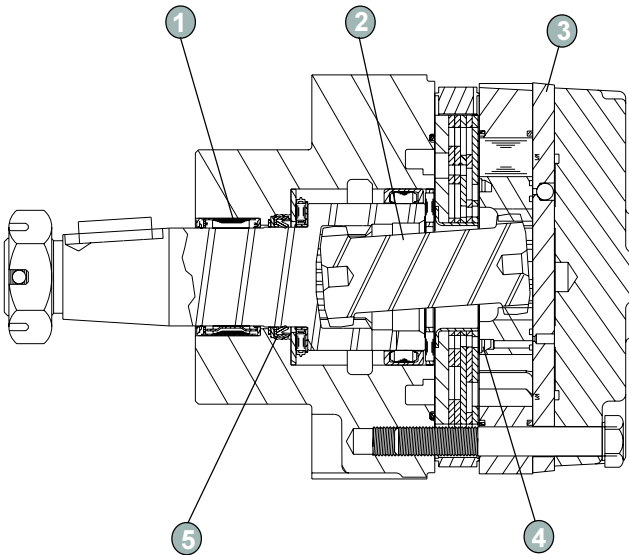
Areas within the white shading represent maximum motor efficiencies.

The maximum continuous flow rating and maximum intermittent flow rating of the motor are separated by the dark line on the chart.

Performance numbers represent the actual torque and speed generated by the motor based on the corresponding input pressure and flow. The numbers on the top row indicate torque as measured in lb-in and (Nm), while the bottom number represents the speed of the output shaft.

Theoretical Torque represents the torque that the motor would produce if it were 100% mechanically efficient. Actual torque divided by the theoretical torque gives the actual mechanical efficiency of the motor.

•Features



- ① **Needle Roller Bearing** is in optimum location to allow load to be placed as close to center line of bearing as possible.
- ② **Heavy-Duty Drive Link** receives full flow lubrication and is capable of withstanding extreme abuse from applications with the possibility of overrunning loads.
- ③ **Pressure-Compensated Balance Plate** improves volumetric efficiency at low flows and high pressure.
- ④ **Valve-In-Rotor Design** provides cost effective, efficient distribution of oil and reduces overall motor length.
- ⑤ **High Pressure Viton® Shaft Seal** offers superior seal life and performance and eliminates need for case drain.

Shortest And Lightest In Its Class

The combination of compact size, light weight and low speed efficiency make the CE motor the best wheel drive motor available. To reduce overall motor length and weight, all unnecessary material was shaved from the housing, and the valve was placed in the face of the rotor. The pressure-compensated balance plate allows the motor to maintain high volumetric efficiencies at startup, and high mechanical efficiencies during running conditions. All of these features unite to make the CE Series motor 10-25% lighter and more compact than competitive designs, making it perfect for applications with strict weight and size requirements.



Specifications

Code	Displacement in ³ /rev (cc)	Max Speed RPM		Max Flow GPM (LPM)		Max Torque lb-in (Nm)			Pressure ΔPSI(ΔBar)		
		Cont.	Inter.	Cont.	Inter.	Cont.	Inter.	*Stall	Pressure		
									Cont.	Inter.	Peak
120	7.4 (121)	360	490	12 (45)	16 (61)	2850 (322)	3150 (356)	2235 (253)	3000 (207)	3250 (224)	3500 (241)
160	9.9 (162)	370	470	16 (61)	20 (76)	3750 (424)	4430 (501)	3090 (349)	3000 (207)	3250 (224)	3500 (241)
200	12.4 (204)	300	370	16 (61)	20 (76)	4650 (525)	5250 (593)	3845 (434)	3000 (207)	3250 (224)	3500 (241)
230	14.2 (232)	260	320	16 (61)	20 (76)	4950 (559)	5720 (646)	4740 (536)	3000 (207)	3250 (224)	3500 (241)
260	15.9 (261)	260	350	18 (68)	24 (91)	6250 (706)	6730 (760)	4820 (545)	3000 (207)	3250 (224)	3500 (241)
300	18.3 (300)	250	320	20 (76)	25 (95)	7100 (802)	7630 (862)	5870 (663)	3000 (207)	3250 (224)	3500 (241)
350	21.2 (348)	220	270	20 (76)	25 (95)	8000 (904)	9000 (1017)	6880 (777)	3000 (207)	3250 (224)	3500 (241)
375	22.8 (375)	200	250	20 (76)	25 (95)	8600 (972)	9200 (1040)	7630 (862)	3000 (207)	3250 (224)	3500 (241)
470	28.3 (465)	160	200	20 (76)	25 (95)	9200 (1040)	10200 (1153)	7900 (893)	2500 (172)	2750 (189)	3000 (207)
540	32.7 (536)	140	170	20 (76)	25 (95)	8875 (1003)	10700 (1209)	7325 (828)	2000 (138)	2500 (172)	3000 (207)
750	45.6 (748)	100	130	20 (76)	25 (95)	9575 (1082)	10950 (1237)	8610 (973)	1500 (103)	1750 (121)	2000 (138)

* Stall torque measured at 1 RPM at continuous pressure per SAE J746b.

佳美国际发展有限公司



CE Series

•Performance

120 7.4 in³/r (121 cc)

Flow GPM (LPM)	Pressure, psi (bars)							Max. Cont.	Peak	Theo. RPM
	250 (17)	500 (35)	1000 (69)	1500 (104)	2000 (138)	2500 (173)	3000 (207)			
0.5 (2)	184 (21) 14	418 (47) 13	745 (84) 10	1008 (114) 7					16	
1 (4)	226 (26) 26	459 (52) 23	969 (109) 23	1387 (157) 21	1793 (203) 18	2305 (260) 13	2566 (290) 10	2490 (281) 7	32	
2 (8)		456 (52) 58	977 (110) 56	1424 (161) 51	1845 (208) 47	2382 (269) 33	2746 (310) 29	3066 (347) 25	63	
4 (15)		422 (48) 119	975 (110) 112	1497 (169) 103	1992 (225) 95	2399 (271) 91	2896 (327) 83	3269 (369) 82	125	
6 (23)		409 (46) 187	934 (106) 182	1402 (158) 177	1803 (204) 173	2199 (248) 168	2630 (297) 160	3290 (372) 143	188	
8 (30)			876 (99) 248	1389 (157) 244	1829 (207) 240	2241 (253) 233	2857 (323) 205	3282 (371) 201	250	
Max. Cont.			853 (96) 306	1379 (156) 298	1834 (207) 293	2278 (257) 286	2633 (297) 279	3178 (359) 269	313	
			749 (85) 371	1337 (151) 360	1823 (206) 352	2267 (256) 345	2695 (305) 341	3042 (344) 335	375	
Max. Inter.			684 (77) 437	1215 (137) 428	1745 (197) 418	2222 (251) 409	2618 (296) 404		438	
			633 (71) 499	1191 (135) 490	1717 (194) 482	2163 (244) 467	2687 (304) 454		500	
Stall Torque			824 (93)	1204 (136)	1653 (187)	1979 (224)	2234 (252)			
Theo. Torque		295 (33)	589 (67)	1178 (133)	1768 (200)	2357 (266)	2946 (333)	3535 (399)	4124 (466)	

Areas within white represent maximum motor efficiencies.

160 9.9 in³/r (162 cc)

Flow GPM (LPM)	Pressure, psi (bars)							Max. Cont.	Peak	Theo. RPM
	250 (17)	500 (35)	1000 (69)	1500 (104)	2000 (138)	2500 (173)	3000 (207)			
0.5 (2)	287 (32) 11	634 (72) 11	1341 (152) 10	1906 (215) 9	2493 (282) 8	2888 (326) 6	3238 (366) 4	3643 (412) 1	12	
1 (4)	318 (36) 22	690 (78) 21	1287 (145) 20	1991 (225) 19	2567 (290) 16	3060 (346) 14	3236 (366) 8	3680 (416) 7	24	
2 (8)	296 (33) 45	649 (73) 44	1287 (145) 43	2010 (227) 40	2586 (292) 36	3156 (357) 33	3654 (413) 31	4108 (464) 28	47	
4 (15)	386 (44) 92	630 (71) 91	1296 (146) 88	2000 (226) 86	2646 (299) 79	3226 (364) 74	3768 (426) 71	4289 (485) 66	94	
6 (23)		623 (70) 133	1294 (146) 131	1991 (225) 128	2617 (296) 122	3232 (365) 117	3786 (428) 115	4352 (492) 111	140	
8 (30)		583 (66) 181	1251 (141) 177	1916 (216) 175	2533 (286) 171	3102 (350) 165	3663 (414) 159	4210 (476) 152	187	
10 (38)		537 (61) 224	1224 (138) 223	1873 (212) 219	2497 (282) 213	3072 (347) 211	3641 (411) 204	4183 (473) 196	234	
12 (45)		495 (56) 272	1150 (130) 265	1829 (207) 264	2465 (279) 262	3046 (344) 256	3603 (407) 249	4157 (470) 242	280	
14 (53)			1088 (123) 318	1737 (196) 313	2384 (269) 306	2939 (332) 297	3540 (400) 295	4111 (464) 284	327	
Max. Cont.			1010 (114) 362	1659 (187) 356	2327 (263) 351	2910 (329) 344	3499 (395) 334	4053 (458) 330	374	
16 (61)			903 (102) 410	1593 (180) 407	2209 (250) 401	2822 (319) 385	3438 (389) 382		420	
Max. Inter.			846 (96) 455	1536 (174) 448	2193 (248) 438	2798 (316) 430	3353 (379) 423		467	
Stall Torque			1165 (132)	1722 (195)	2225 (251)	2615 (295)	3092 (349)			
Theo. Torque		394 (45)	788 (89)	1576 (178)	2365 (267)	3153 (356)	3941 (445)	4729 (534)	5518 (623)	

Torque, lb-in (Nm)
Speed, RPM

DO NOT operate at maximum pressure and maximum flow simultaneously.

Note: Performance data is typical. Performance of production units varies slightly from one motor to another.

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CE Series



• Performance

200 12.4 in³/r (204 cc)

Flow GPM (LPM)	Pressure, psi (bars)							Max. Cont.	Peak	Theo. RPM
	250 (17)	500 (35)	1000 (69)	1500 (104)	2000 (138)	2500 (173)	3000 (207)			
0.5 (2)	358 (40)	817 (92)	1596 (180)	2378 (269)	3083 (348)					10
1 (4)	409 (46)	787 (89)	1597 (180)	2440 (276)	3177 (359)	3782 (427)	4328 (489)			19
2 (8)	395 (45)	807 (91)	1684 (190)	2509 (284)	3268 (369)	3989 (451)	4630 (523)	5189 (586)		38
4 (15)	358 (40)	817 (92)	1662 (188)	2492 (282)	3303 (373)	4006 (453)	4693 (530)	5371 (607)		75
6 (23)		760 (86)	1600 (181)	2457 (278)	3228 (365)	3989 (451)	4636 (524)	5353 (605)		112
8 (30)		663 (75)	1539 (174)	2363 (267)	3176 (359)	3905 (441)	4584 (518)	5286 (597)		150
10 (38)		549 (62)	1430 (162)	2272 (257)	3072 (347)	3798 (429)	4488 (507)	5198 (587)		187
12 (45)			1290 (146)	2159 (244)	2996 (339)	3798 (429)	4476 (506)	5161 (583)		224
14 (53)			1145 (129)	2005 (227)	2905 (328)	3628 (410)	4354 (492)	5049 (571)		261
Max. Cont.			994 (112)	1842 (208)	2795 (316)	3534 (399)	4285 (484)	4971 (562)		299
18 (68)			799 (90)	1833 (207)	2689 (304)	3493 (395)	4260 (481)			336
Max. Inter.			665 (75)	1576 (178)	2495 (282)	3288 (372)	4115 (465)			373

Areas within white represent maximum motor efficiencies.

Stall Torque			1399 (158)	2171 (245)	2692 (304)	3414 (386)	3844 (434)	
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Theo. Torque	494 (56)	987 (112)	1975 (223)	2962 (335)	3949 (446)	4936 (558)	5924 (669)	6911 (781)
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230 14.2 in³/r (232 cc)

Flow GPM (LPM)	Pressure, psi (bars)							Max. Cont.	Peak	Theo. RPM
	250 (17)	500 (35)	1000 (69)	1500 (104)	2000 (138)	2500 (173)	3000 (207)			
0.5 (2)	406 (46)	866 (98)	1849 (209)	2659 (300)	3367 (380)					9
1 (4)	435 (49)	925 (105)	1903 (215)	2839 (321)	3651 (413)	4315 (488)	4808 (543)			17
2 (8)	438 (50)	945 (107)	1954 (221)	2909 (329)	3803 (430)	4599 (520)	5260 (594)	5856 (662)		33
4 (15)	401 (45)	900 (102)	1895 (214)	2872 (325)	3773 (426)	4623 (522)	5395 (610)	6045 (683)		66
6 (23)	342 (39)	812 (92)	1801 (203)	2808 (317)	3645 (412)	4304 (486)	4953 (560)	5678 (642)		98
8 (30)		743 (84)	1739 (197)	2691 (304)	3627 (410)	4479 (506)	5313 (600)	5728 (647)		131
10 (38)		634 (72)	1650 (186)	2585 (292)	3556 (402)	4363 (493)	5169 (584)	5613 (634)		163
12 (45)			1477 (167)	2494 (282)	3479 (393)	4349 (491)	5094 (576)	5822 (658)		196
14 (53)			1343 (152)	2301 (260)	3310 (374)	4160 (470)	4910 (555)	5818 (657)		228
Max. Cont.			1198 (135)	2209 (250)	3207 (362)	4110 (464)	4895 (553)	5637 (637)		261
18 (68)			1021 (115)	2044 (231)	3042 (344)	3956 (447)	4777 (540)			293
Max. Inter.			822 (93)	1859 (210)	2898 (327)	3825 (432)	4677 (529)			326

Torque, lb-in (Nm)
Speed, RPM

Stall Torque			1722 (195)	2573 (291)	3275 (370)	4081 (461)	4740 (536)	
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Theo. Torque	565 (64)	1131 (128)	2261 (256)	3392 (383)	4522 (511)	5653 (639)	6783 (767)	7914 (894)
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DO NOT operate at maximum pressure and maximum flow simultaneously.

Note: Performance data is typical. Performance of production units varies slightly from one motor to another.

佳美国际发展有限公司



CE Series

•Performance

260 15.9 in³/r (261 cc)

Flow GPM (LPM)	Pressure, psi (bars)								Max. Cont.	Peak	Theo. RPM
	250 (17)	500 (35)	1000 (69)	1500 (104)	2000 (138)	2500 (173)	3000 (207)	3500 (242)			
0.5 (2)	514 (58) 6	1120 (127) 5	2140 (242) 4	3068 (347) 3	3759 (425) 1						8
1 (4)	547 (62) 12	1097 (124) 10	2191 (248) 9	3133 (354) 8	3950 (446) 6	4377 (495) 2					15
2 (8)	543 (61) 26	1150 (130) 23	2200 (249) 20	3295 (372) 20	4234 (478) 17	4972 (562) 13	5599 (633) 7				30
4 (15)	536 (61) 54	1109 (125) 51	2284 (258) 48	3339 (377) 46	4436 (501) 42	5306 (600) 36	6192 (700) 30	6915 (781) 21			59
6 (23)	500 (57) 84	1067 (121) 81	2169 (245) 74	3326 (376) 74	4406 (498) 69	5391 (609) 60	6309 (713) 53	7214 (815) 45			88
8 (30)		981 (111) 113	2143 (242) 107	3268 (369) 105	4327 (489) 100	5374 (607) 89	6290 (711) 81	7167 (810) 71			117
10 (38)		909 (103) 142	2034 (230) 137	3161 (357) 134	4273 (483) 128	5267 (595) 119	6198 (700) 109	6740 (762) 98			146
12 (45)		771 (87) 173	1915 (216) 169	3057 (345) 166	4002 (452) 161	5111 (578) 152	5708 (645) 143	6557 (741) 129			175
14 (53)		664 (75) 203	1786 (202) 201	2928 (331) 195	3841 (434) 191	4897 (553) 183	5811 (657) 170	6718 (759) 157			204
16 (61)		538 (61) 232	1687 (191) 231	2769 (313) 226	3847 (435) 220	4892 (553) 210	5803 (656) 199	6601 (746) 189			233
Max. Cont. 18 (68)			1486 (168) 258	2614 (295) 255	3664 (414) 248	4652 (526) 242	5642 (638) 229	6567 (742) 215			262
20 (76)			1345 (152) 287	2455 (277) 286	3570 (403) 281	4598 (520) 271	5585 (631) 257				291
22 (83)			1143 (129) 319	2208 (249) 319	3372 (381) 312	4365 (493) 299	5489 (620) 287				320
Max. Inter. 24 (91)			924 (104) 348	2063 (233) 346	3166 (358) 335	4168 (471) 333	4875 (551) 332				349
Stall Torque			1921 (217)	2756 (311)	3605 (407)	4302 (486)	4822 (545)				
Theo. Torque		633 (72)	1266 (143)	2532 (286)	3798 (429)	5064 (572)	6330 (715)	7596 (858)	8861 (1001)		

Areas within white represent maximum motor efficiencies.

300 18.3 in³/r (300 cc)

Flow GPM (LPM)	Pressure, psi (bars)								Max. Cont.	Peak	Theo. RPM
	250 (17)	500 (35)	1000 (69)	1500 (104)	2000 (138)	2500 (173)	3000 (207)	3500 (242)			
0.5 (2)	559 (63) 5	1202 (136) 4	2518 (285) 3	3656 (413) 3	4537 (513) 2	5129 (580) 1					7
1 (4)	493 (56) 12	1230 (139) 10	2410 (272) 10	3418 (386) 8	4272 (483) 6	4834 (546) 4					13
2 (8)	522 (59) 23	1185 (134) 21	2676 (302) 19	3781 (427) 19	4611 (521) 16	5196 (587) 14	5952 (673) 10	6572 (743) 5			26
4 (15)	503 (57) 47	1189 (134) 44	2620 (296) 40	3602 (407) 38	4398 (497) 37	5324 (602) 34	6161 (696) 29	6852 (774) 23			51
6 (23)	447 (50) 73	1109 (125) 70	2534 (286) 64	3886 (439) 62	4946 (559) 61	5992 (677) 55	6978 (789) 48	7762 (877) 43			76
8 (30)		986 (111) 97	2468 (279) 93	3752 (424) 92	5020 (567) 86	6059 (685) 77	7142 (807) 72	8139 (920) 64			101
10 (38)		853 (96) 126	2306 (261) 121	3687 (417) 118	4712 (532) 112	5832 (659) 104	7121 (805) 95	7994 (903) 86			127
12 (45)		689 (78) 150	2013 (228) 149	3252 (367) 146	4434 (501) 140	5694 (643) 130	6781 (766) 121	7875 (890) 109			152
14 (53)		525 (59) 176	1889 (213) 174	3410 (385) 171	4383 (495) 166	5509 (623) 155	6618 (748) 143	7186 (812) 136			177
16 (61)			1603 (181) 200	3085 (349) 196	4195 (474) 194	5484 (620) 181	6471 (731) 172	7519 (850) 157			202
18 (68)			1405 (159) 227	2823 (319) 225	4241 (479) 219	5112 (578) 212	6356 (718) 196	7348 (830) 186			228
Max. Cont. 20 (76)			1115 (126) 252	2560 (289) 251	3703 (418) 248	4962 (561) 240	6221 (703) 225	7180 (811) 207			253
22 (83)			919 (104) 277	2309 (261) 276	3454 (390) 274	4907 (555) 263	6011 (679) 252				278
24 (91)			590 (67) 302	1925 (218) 301	3441 (389) 299	4686 (530) 293	5766 (652) 282				303
Max. Inter. 25 (95)			496 (56) 314	1740 (197) 313	3225 (364) 310	4281 (484) 309	5594 (632) 298				316
Stall Torque			2180 (246)	3287 (371)	4070 (460)	4959 (560)	5872 (664)				
Theo. Torque		729 (82)	1457 (165)	2914 (329)	4371 (494)	5828 (659)	7285 (823)	8742 (988)	10199 (1152)		

Torque, lb-in (Nm)
Speed, RPM

DO NOT operate at maximum pressure and maximum flow simultaneously.

Note: Performance data is typical. Performance of production units varies slightly from one motor to another.

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CE Series



•Performance

350 21.2 in³/r (348 cc)

Flow GPM (LPM)	Pressure, psi (bars)								Max. Cont.	Peak	Theo. RPM
	250 (17)	500 (35)	1000 (69)	1500 (104)	2000 (138)	2500 (173)	3000 (207)	3500 (242)			
0.5 (2)	617 (70)	1297 (147)	2383 (269)								6
1 (4)	649 (73)	1318 (149)	2580 (291)	3647 (412)							11
2 (8)	670 (76)	1403 (159)	2767 (313)	4007 (453)	4927 (557)	5915 (668)	6919 (782)				22
4 (15)	609 (69)	1409 (159)	2868 (324)	4101 (463)	5273 (596)	6316 (714)	7261 (820)	8204 (927)			44
6 (23)	544 (62)	1319 (149)	2837 (321)	4228 (478)	5363 (606)	6514 (736)	7475 (845)	8410 (950)			66
8 (30)	395 (45)	1134 (128)	2693 (304)	4134 (467)	5502 (622)	6870 (776)	8022 (906)	8734 (987)			88
10 (38)		962 (109)	2550 (288)	4027 (455)	5500 (621)	6670 (754)	8028 (907)	9105 (1029)			109
12 (45)		833 (94)	2376 (268)	3889 (439)	5205 (588)	6712 (758)	7970 (901)	9120 (1031)			131
14 (53)		575 (65)	2162 (244)	3619 (409)	5059 (572)	6433 (727)	7777 (879)	9070 (1025)			153
16 (61)			1947 (220)	3406 (385)	4855 (549)	6172 (697)	7570 (855)	8853 (1000)			175
18 (68)			1644 (186)	3195 (361)	4599 (520)	6062 (685)	7297 (825)	8555 (967)			197
Max. Cont. 20 (76)			1301 (147)	2863 (324)	4275 (483)	5634 (637)	6993 (790)	8357 (944)			218
22 (83)			960 (109)	2560 (289)	3921 (443)	5357 (605)	6814 (770)				240
24 (91)			684 (77)	2225 (251)	3814 (431)	5207 (588)	6488 (733)				262
Max. Inter. 25 (95)			493 (56)	2004 (226)	3621 (409)	5048 (570)	6435 (727)				273
Stall Torque			2634 (298)	3743 (423)	4845 (547)	6039 (682)	6879 (777)				
Theo. Torque		844 (95)	1688 (191)	3376 (381)	5064 (572)	6752 (763)	8439 (954)	10127 (1144)	11815 (1335)		

Areas within white represent maximum motor efficiencies.

375 22.8 in³/r (375 cc)

Flow GPM (LPM)	Pressure, psi (bars)								Max. Cont.	Peak	Theo. RPM
	250 (17)	500 (35)	1000 (69)	1500 (104)	2000 (138)	2500 (173)	3000 (207)	3500 (242)			
0.5 (2)	687 (78)	1438 (162)	2840 (321)	3958 (447)	5237 (592)						6
1 (4)	694 (78)	1443 (163)	2951 (333)	4193 (474)	5366 (606)	6457 (730)					11
2 (8)	721 (81)	1495 (169)	3001 (339)	4288 (485)	5533 (625)	6692 (756)	7532 (851)				21
4 (15)	651 (74)	1470 (166)	2837 (321)	4117 (465)	5404 (611)	6624 (748)	7754 (876)	8766 (991)			41
6 (23)	547 (62)	1372 (155)	3015 (341)	4557 (515)	5931 (670)	6946 (785)	7825 (884)	8896 (1005)			61
8 (30)	412 (47)	1223 (138)	2836 (320)	4453 (503)	5880 (664)	7385 (834)	8633 (976)	9442 (1067)			82
10 (38)		1048 (118)	2684 (303)	4382 (495)	5726 (647)	7090 (801)	8161 (922)	9364 (1058)			102
12 (45)		870 (98)	2547 (288)	4147 (469)	5620 (635)	7115 (804)	8605 (972)	9920 (1121)			122
14 (53)		625 (71)	2308 (261)	3849 (435)	5337 (603)	6953 (786)	8298 (938)	9771 (1104)			142
16 (61)		487 (55)	2134 (241)	3744 (423)	5248 (593)	6706 (758)	8160 (922)	9614 (1086)			163
18 (68)			1805 (204)	3461 (391)	4988 (564)	6402 (723)	7899 (893)	9320 (1053)			183
Max. Cont. 20 (76)			1942 (219)	3231 (365)	4714 (533)	5860 (662)	7643 (864)	9112 (1030)			203
22 (83)			1173 (132)	2795 (316)	4552 (514)	5970 (675)	7141 (807)				223
24 (91)			881 (100)	2567 (290)	4202 (475)	5667 (640)	7012 (792)				244
Max. Inter. 25 (95)			711 (80)	2313 (261)	4113 (465)	5454 (616)	6891 (779)				254
Stall Torque			2683 (303)	3880 (438)	5266 (595)	6350 (718)	7627 (862)				
Theo. Torque		908 (103)	1815 (205)	3631 (410)	5446 (615)	7261 (821)	9076 (1026)	10892 (1231)	12707 (1436)		

Torque, lb-in (Nm)
Speed, RPM

DO NOT operate at maximum pressure and maximum flow simultaneously.

Note: Performance data is typical. Performance of production units varies slightly from one motor to another.

佳美国际发展有限公司



CE Series

•Performance

470 28.3 in³/r (465 cc)

Flow GPM (LPM)	Pressure, psi (bars)						Max. Cont.	Peak	Theo. RPM
	250 (17)	500 (35)	1000 (69)	1500 (104)	2000 (138)	2500 (173)			
0.5 (2)	878 (99) 4	1862 (210) 3	3713 (420) 3						5
1 (4)	899 (102) 8	1856 (210) 7	3748 (424) 7	5285 (597) 7	6847 (774) 6				9
2 (8)	906 (102) 16	1968 (222) 15	3875 (438) 15	5488 (620) 14	6922 (782) 13	8470 (957) 11	9788 (1106) 9		17
4 (15)	836 (95) 32	1837 (208) 31	3600 (407) 30	5351 (605) 28	6922 (782) 25	8504 (961) 23	10118 (1143) 20		33
6 (23)	700 (79) 48	1736 (196) 48	3772 (426) 46	5483 (620) 44	7204 (814) 41	8580 (969) 36	10172 (1149) 31		49
8 (30)	544 (61) 65	1588 (179) 65	3638 (411) 63	5578 (630) 61	7498 (847) 57	9253 (1046) 48	10541 (1191) 44		66
10 (38)	352 (40) 81	1405 (159) 80	3429 (387) 80	5471 (618) 77	7301 (825) 73	9167 (1036) 67	11019 (1245) 55		82
12 (45)		1105 (125) 97	3245 (367) 96	5197 (587) 94	7076 (800) 90	8891 (1005) 82	10898 (1232) 72		98
14 (53)		912 (103) 113	3007 (340) 113	5066 (572) 111	6787 (767) 106	8720 (985) 100	10688 (1208) 91		115
16 (61)		557 (63) 130	2712 (306) 129	4662 (527) 128	6581 (744) 124	8451 (955) 116	10285 (1162) 105		131
18 (68)			2298 (260) 146	4370 (494) 145	6262 (708) 142	8148 (921) 135	10169 (1149) 126		147
Max. Cont.			1941 (219) 163	4035 (456) 163	5954 (673) 158	7815 (883) 151	9647 (1090) 140		164
			1542 (174) 179	3687 (417) 178	5612 (634) 176	7496 (847) 168			180
Max. Inter.			1225 (138) 195	3302 (373) 194	5354 (605) 193	7147 (808) 186			196
25 (95)			3079 (348) 204	4885 (552) 203	6808 (769) 197				205
Stall Torque			3598 (407)	5326 (602)	7151 (808)	7901 (893)	9419 (1064)		
Theo. Torque		1127 (127)	2253 (255)	4506 (509)	6760 (764)	9013 (1018)	11266 (1273)	13519 (1528)	

Areas within white represent maximum motor efficiencies.

540 32.7 in³/r (536 cc)

Flow GPM (LPM)	Pressure, psi (bars)						Max. Cont.	Inter.	Theo. RPM
	250 (17)	500 (35)	1000 (69)	1500 (104)	2000 (138)	2500 (173)			
0.5 (2)	940 (106) 3	2035 (230) 2							4
1 (4)	927 (105) 6	1975 (223) 6	4023 (455) 6	5797 (655) 5	7684 (868) 3				8
2 (8)	991 (112) 13	2100 (237) 13	4321 (488) 12	6358 (719) 10	8065 (911) 8	9617 (1087) 3			15
4 (15)	944 (107) 27	2174 (246) 26	4455 (503) 25	6593 (745) 24	8426 (952) 21	10005 (1131) 16			29
6 (23)	854 (96) 42	2033 (230) 41	4571 (516) 40	6686 (756) 40	8911 (1007) 36	10911 (1233) 30			43
8 (30)	613 (69) 56	1843 (208) 56	4214 (476) 54	6724 (760) 54	8787 (993) 49	10676 (1206) 42			57
10 (38)	521 (59) 70	1631 (184) 70	4035 (456) 69	6367 (720) 67	8568 (968) 64	10821 (1223) 56			71
12 (45)	264 (30) 84	1376 (155) 83	3702 (418) 83	6089 (688) 83	8195 (926) 78	10668 (1205) 69			85
14 (53)		1089 (123) 98	3456 (391) 98	5576 (630) 97	7896 (892) 95	10165 (1149) 88			99
16 (61)		793 (90) 113	3197 (361) 113	5622 (635) 112	7925 (896) 109	10061 (1137) 106			114
18 (68)		452 (51) 127	2901 (328) 126	5238 (592) 125	7632 (862) 124	9873 (1116) 118			128
Max. Cont.			2460 (278) 141	4869 (550) 140	7222 (816) 140	9526 (1076) 132			142
22 (83)			1980 (224) 154	3954 (447) 153	6369 (720) 151				156
24 (91)			1590 (180) 169	3971 (449) 168	6673 (754) 167				170
Max. Inter.			1358 (153) 176	3768 (426) 174	6095 (689) 173				177
25 (95)									
Stall Torque			3863 (437)	5409 (611)	7323 (827)	10108 (1142)			
Theo. Torque		1302 (147)	2604 (294)	5207 (588)	7811 (883)	10414 (1177)	13018 (1471)		

Torque, lb-in (Nm)
Speed, RPM

DO NOT operate at maximum pressure and maximum flow simultaneously.

Note: Performance data is typical. Performance of production units varies slightly from one motor to another.

•Performance

750 45.6 in³/r (748 cc)

Flow GPM (LPM)	Pressure, psi (bars)					Max. Cont.	Peak	Theo. RPM
	250 (17)	500 (35)	1000 (69)	1500 (104)	2000 (138)			
0.5 (2)	957 (108) 2	2041 (231) 1						3
1 (4)	1540 (174) 4	3010 (340) 4	5760 (651) 4	8408 (950) 4	10916 (1233) 3			6
2 (8)	1467 (166) 9	3246 (367) 9	6154 (695) 9	9024 (1020) 9	11518 (1302) 7			11
4 (15)	1501 (170) 19	3181 (359) 19	6366 (719) 19	9607 (1086) 18	11729 (1325) 16			21
6 (23)	1477 (167) 29	3048 (344) 29	6190 (699) 28	8979 (1015) 27	11916 (1346) 25			31
8 (30)	1142 (129) 40	2866 (324) 39	6191 (700) 38	9316 (1053) 37	11898 (1345) 35			41
10 (38)	979 (111) 50	2606 (295) 49	5809 (656) 48	9191 (1039) 47	12305 (1390) 44			51
12 (45)	614 (69) 60	2246 (254) 59	5586 (631) 58	8736 (987) 57	12079 (1365) 56			61
14 (53)	413 (47) 68	2009 (227) 68	5232 (591) 66	8469 (957) 65	11913 (1346) 64			71
16 (61)		1756 (198) 80	4909 (555) 79	8243 (931) 77	11455 (1294) 74			82
18 (68)		1203 (136) 91	4571 (517) 90	7778 (879) 90	10884 (1230) 87			92
Max. Cont. 20 (76)		827 (93) 100	4010 (453) 99	7257 (820) 98	10540 (1191) 97			102
22 (83)			3620 (409) 109	6958 (786) 108				112
24 (91)			3010 (340) 120	6609 (747) 119				122
Max. Inter. 25 (95)			2810 (318) 126	6130 (693) 125				127
Stall Torque			5708 (645)	8608 (973)	11500 (1300)			
Theo. Torque	1815 (205)	3631 (410)	7261 (821)	10892 (1231)	14522 (1641)			

Areas within white represent maximum motor efficiencies.

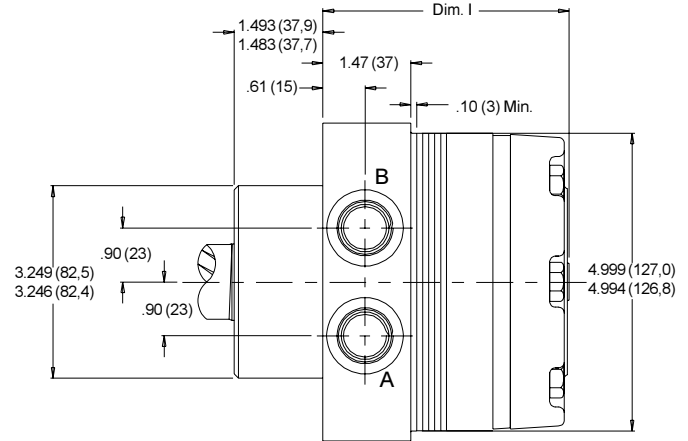
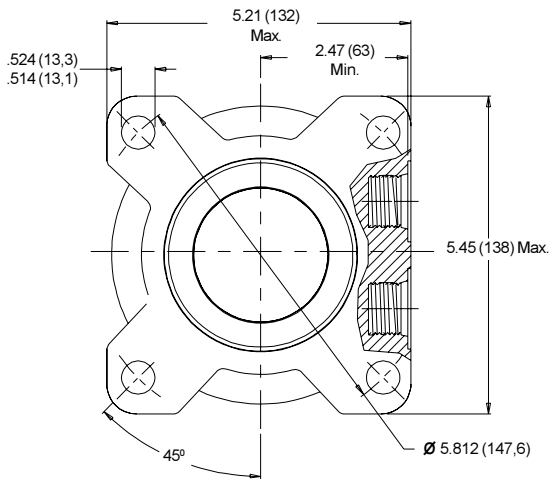
Torque, lb-in (Nm)
Speed, RPM

DO NOT operate at maximum pressure and maximum flow simultaneously.

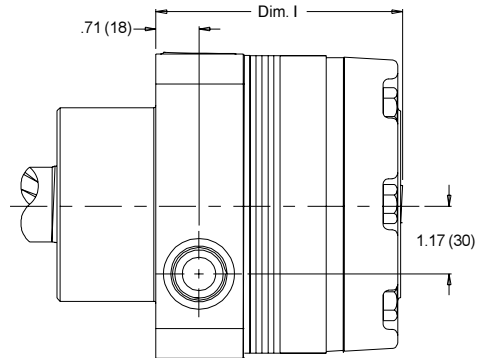
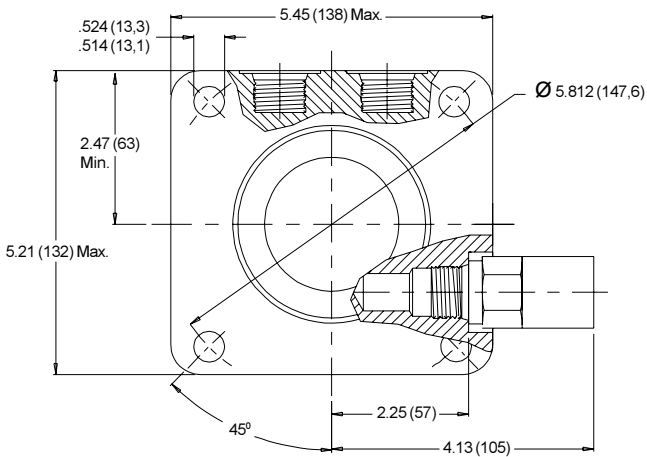
Note: Performance data is typical. Performance of production units varies slightly from one motor to another.

•Housings Wheel Mount

W31	4-Hole Front Aligned Ports 7/8" O-Ring
W38	4-Hole Front Aligned Ports 1/2" BSP.F

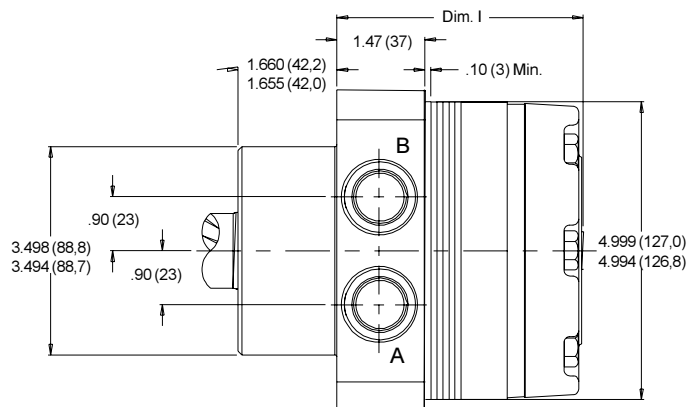
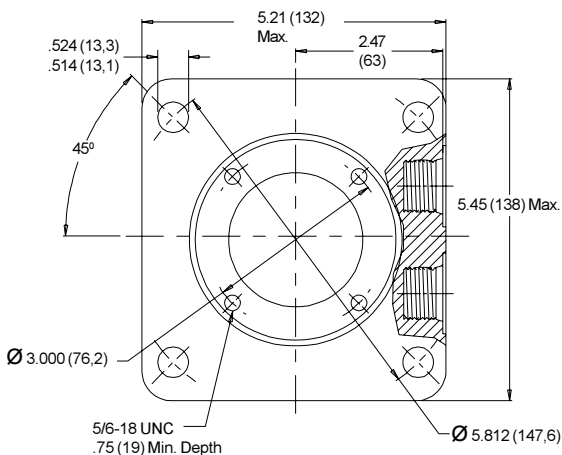


Optional Relief Cartridge shown installed and is available for both the W31 and W38 housings.



Valve Cavity - 10 Series/2-way (7/8-14 UNF-2B)

K31	4-Hole Front Aligned Ports with Brake Mount 7/8" O-Ring
K38	4-Hole Front Aligned Ports with Brake Mount 1/2" BSP.F



• Technical

Allowable Bearing And Shaft Loads

Bearing Curve: The bearing curve represents allowable bearing loads based on ISO 281 bearing capacity for an L_{10} life of 2000 hours at 100 RPM. Radial loads for speeds other than 100 RPM may be calculated using the multiplication factor table located below.

Shaft Curve: The shaft curve represents a 3:1 safety factor based on a tensile strength of 330 kpsi.

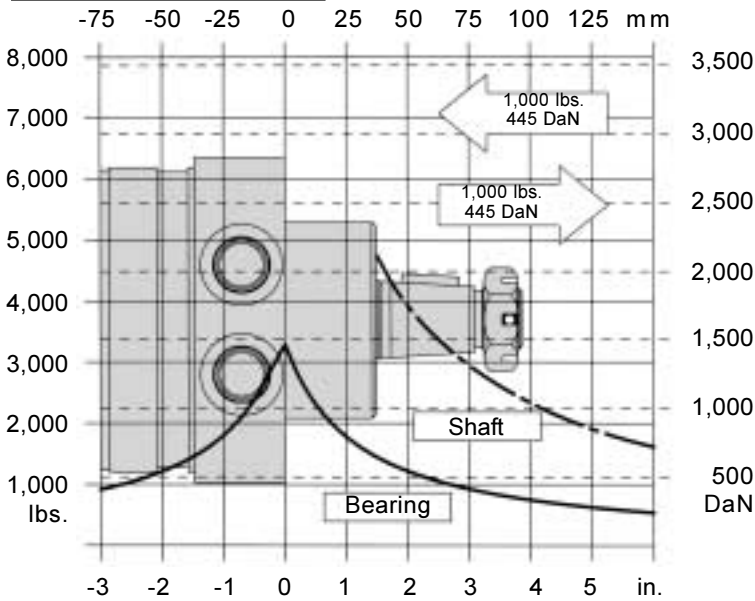
Length and Weight Tables

Wheel Mount

Disp. Code	Dim. I in (mm)	Weight lbs (kg)
120	3.91 (99)	24.1 (10,9)
160	3.91 (99)	24.1 (10,9)
200	4.05 (103)	24.8 (11,3)
230	4.15 (105)	25.2 (11,4)
260	4.24 (108)	25.6 (11,6)
300	4.37 (111)	26.3 (11,9)
350	4.92 (125)	28.8 (13,1)
375	4.62 (117)	27.4 (12,4)
470	4.92 (125)	28.8 (13,1)
540	5.16 (131)	30.0 (13,6)
750	5.87 (149)	33.1 (15,0)

CE motor weights vary ± 1 lb (.45 kg) depending upon motor configuration.

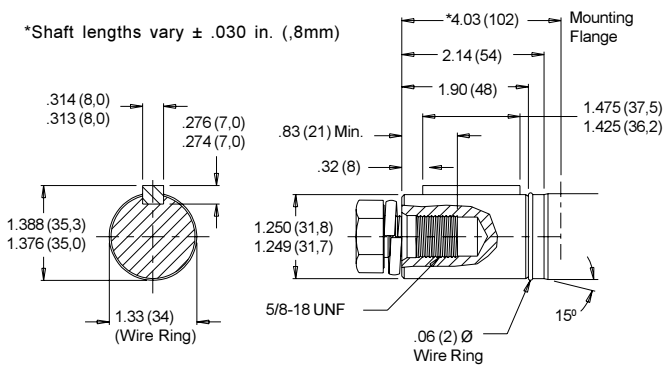
Wheel Mount



• Shafts

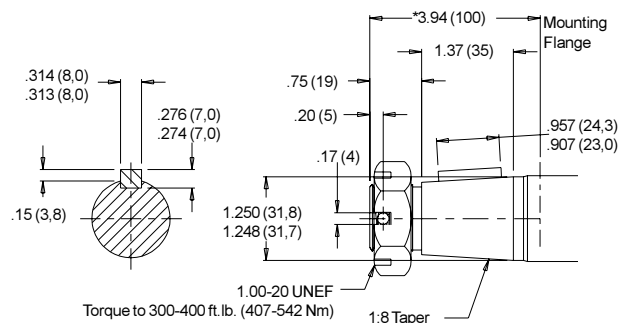
20 1-1/4" Straight

Max. Torque: 10,600 lb-in
1,200 Nm



22 1-1/4 Inch Tapered

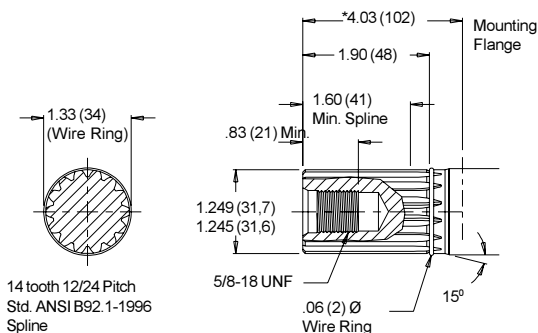
Max. Torque: 10,600 lb-in
1,200 Nm



Note: A slotted nut is standard on this shaft.

23 14 Tooth Spline

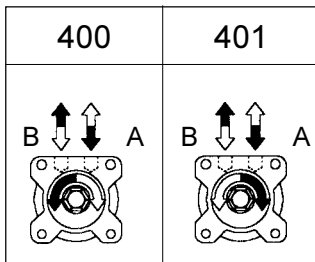
Max. Torque: 10,600 lb-in
1,200 Nm



Bearing Load Multiplication Factor Table

RPM	Multiplication Factor
50	1.23
100	1.00
200	0.81
300	0.72
400	0.66
500	0.62
600	0.58
700	0.56
800	0.50

•Rotation Selection



For applications requiring the motor to rotate in only one direction, shaft seal life may be prolonged by pressurizing the “A” port of the motor. To obtain the desired direction of shaft rotation, use the graphic at the left to determine the rotation code for the motor. For bidirectional applications, the 400 series is recommended. Preferred rotation is determined by internal valving design.

•Ordering Information

SERIES
401 — REVERSED TIMING
400

DISPLACEMENT

Code	Displacement
120	7.4 in ³ /r 121 cc
160	9.9 in ³ /r 162 cc
200	12.4 in ³ /r 204 cc
230	14.2 in ³ /r 232 cc
260	15.9 in ³ /r 261 cc
300	18.3 in ³ /r 300 cc
350	21.2 in ³ /r 348 cc
375	22.8 in ³ /r 375 cc
470	28.3 in ³ /r 465 cc
540	32.7 in ³ /r 536 cc
750	45.6 in ³ /r 748 cc

HOUSING

Code	Housing
W38	4-Hole Front Ports 1/2" BSP.F
W31	4-Hole Front Ports 7/8" O-ring
K31	4-Hole Front Ports 7/8" O-ring with Brake Mount
K38	4-Hole Front Ports 1/2" BSP.F with Brake Mount

SHAFT

Code	Shafts
22	1-1/4" Tapered
20	1-1/4" Straight
23	14 Tooth Spline

PAINT

Code	Options
A	Dark Metallic Gray
B	Dark Metallic Gray (Unpainted Flange Face)
C	Black
D	Black (Unpainted Flange Face)
Z	No Paint

CAVITY

Code	Options
A	None
*B	Relief Valve Cavity
*C	1000 PSI (69 Bar) Relief Valve Installed
*D	1250 PSI (86 Bar) Relief Valve Installed
*E	1500 PSI (104 Bar) Relief Valve Installed
*F	1750 PSI (121 Bar) Relief Valve Installed
*G	2000 PSI (138 Bar) Relief Valve Installed
*J	2500 PSI (173 Bar) Relief Valve Installed
*L	3000 PSI (207 Bar) Relief Valve Installed

MISCELLANEOUS

Code	Options
AA	None
AC	Freeturning Rotor
AF	Hydraulic Declutch (With Freeturning Rotor)

ADD ONS

Code	Options
A	Standard
B	Lock Nut
C	Solid Hex Nut

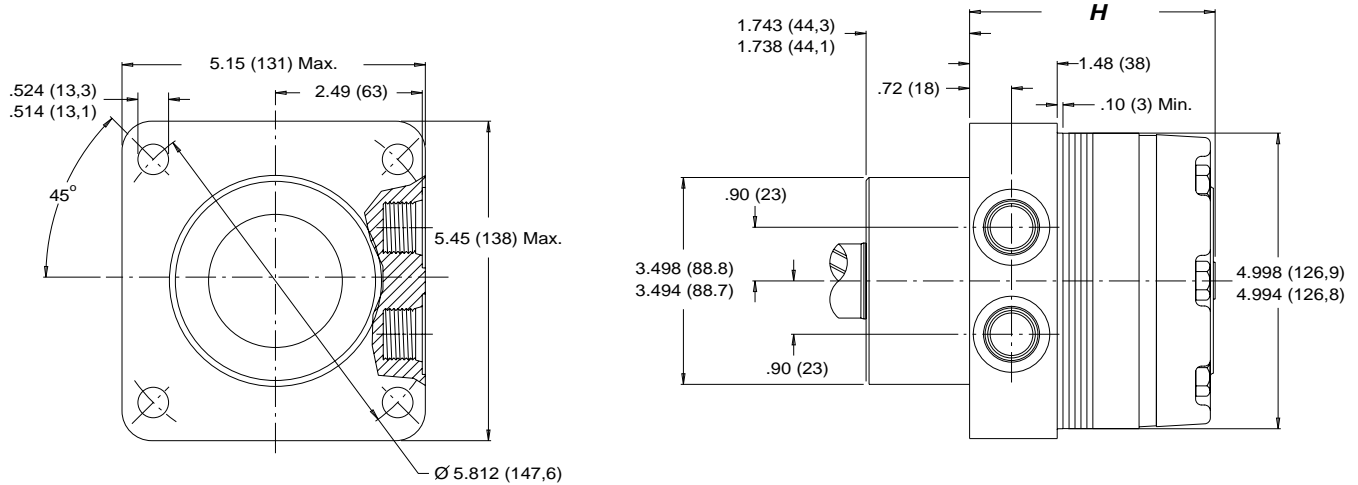
*Must use W31 or W38 Housing.

CE Series Med.-Duty

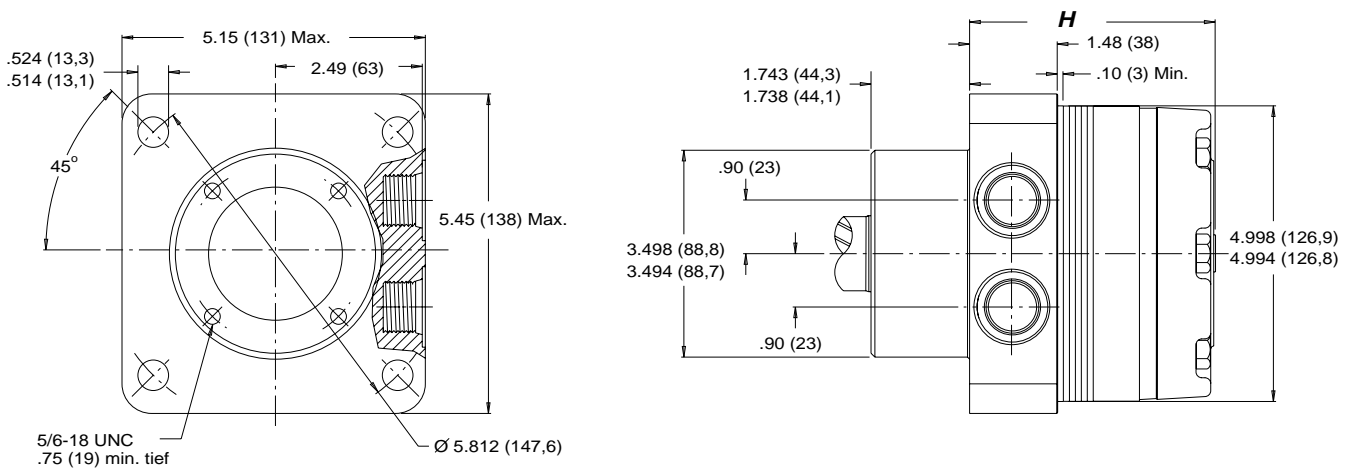


•Housings Wheel Mount

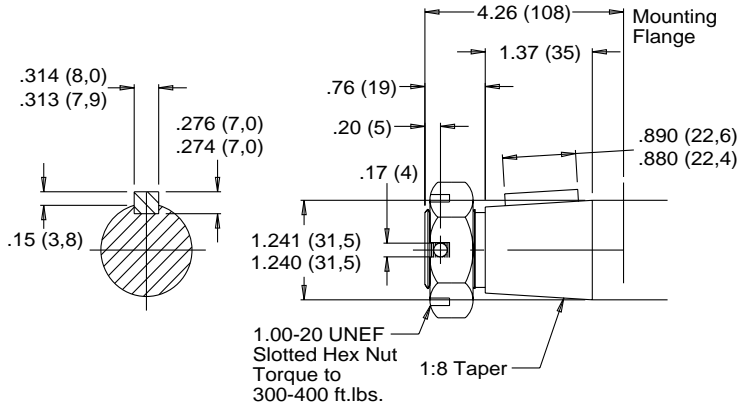
W35	4-Hole 9/16" O-Ring Ports
W38	4-Hole 1/2" BSP.F Ports
W31	4-Hole 7/8" O-Ring Ports



K35	4-Hole 9/16" O-Ring Ports with Brake Mount
K38	4-Hole 1/2" BSP.F Ports with Brake Mount
K31	4-Hole 7/8" O-Ring Ports with Brake Mount



22 1-1/4" Tapered



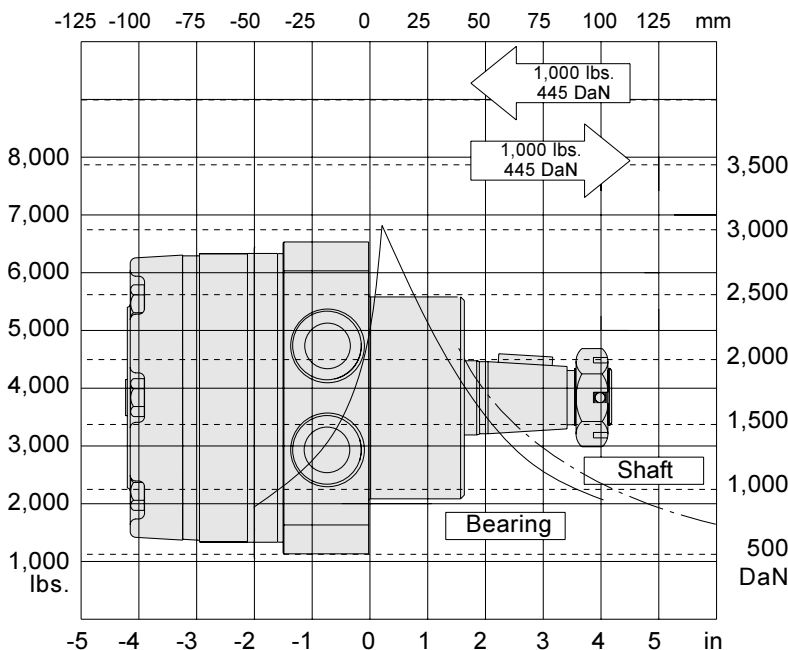
•Technical

Allowable Bearing And Shaft Loads

Bearing Curve: The bearing curve represents allowable bearing loads based on ISO 281 bearing capacity for an L_{10} life of 2000 hours at 100 RPM. Radial loads for speeds other than 100 RPM may be calculated using the multiplication factor table located on page 12.

Shaft Curve: The shaft curve represents a 3:1 safety factor based on a tensile strength of 330 kpsi.

Wheel Mount



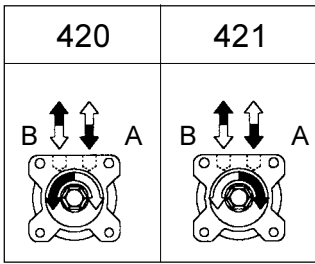
Length and Weight Tables

Wheel Mount

Disp. Code	Dim. H in (mm)	Weight lbs (kg)
120	3.91 (99)	24.1 (10,9)
160	3.91 (99)	24.1 (10,9)
200	4.05 (103)	24.8 (11,3)
230	4.15 (105)	25.2 (11,4)
260	4.24 (108)	25.6 (11,6)
300	4.37 (111)	26.3 (11,9)
350	4.92 (125)	28.8 (13,1)
375	4.62 (117)	27.4 (12,4)
470	4.92 (125)	28.8 (13,1)
540	5.16 (131)	30.0 (13,6)
750	5.87 (149)	33.1 (15,0)

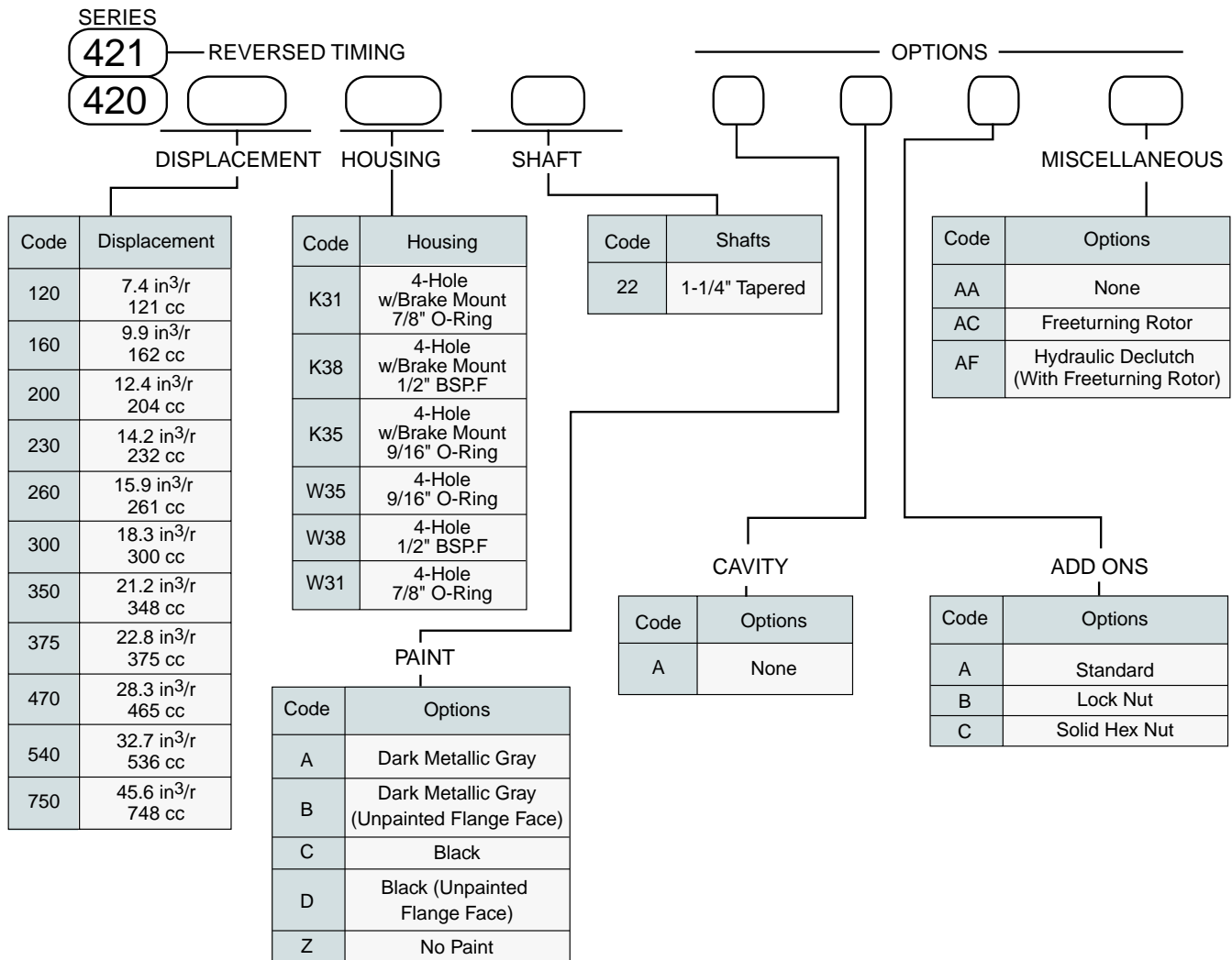
CE motor weights vary ± 1 lb (.45 kg) depending upon motor configuration.

•Rotation Selection



For applications requiring the motor to rotate in only one direction, shaft seal life may be prolonged by pressurizing the “A” port of the motor. To obtain the desired direction of shaft rotation, use the graphic at the left to determine the rotation code for the motor. For bidirectional applications, the 420 series is recommended. Preferred rotation is determined by internal valving design.

•Ordering Information

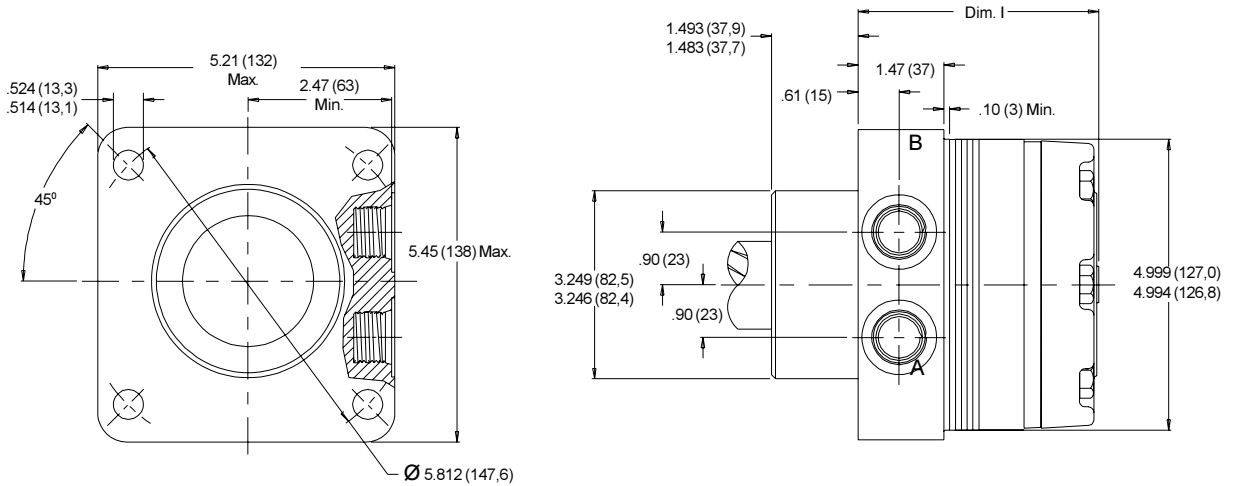




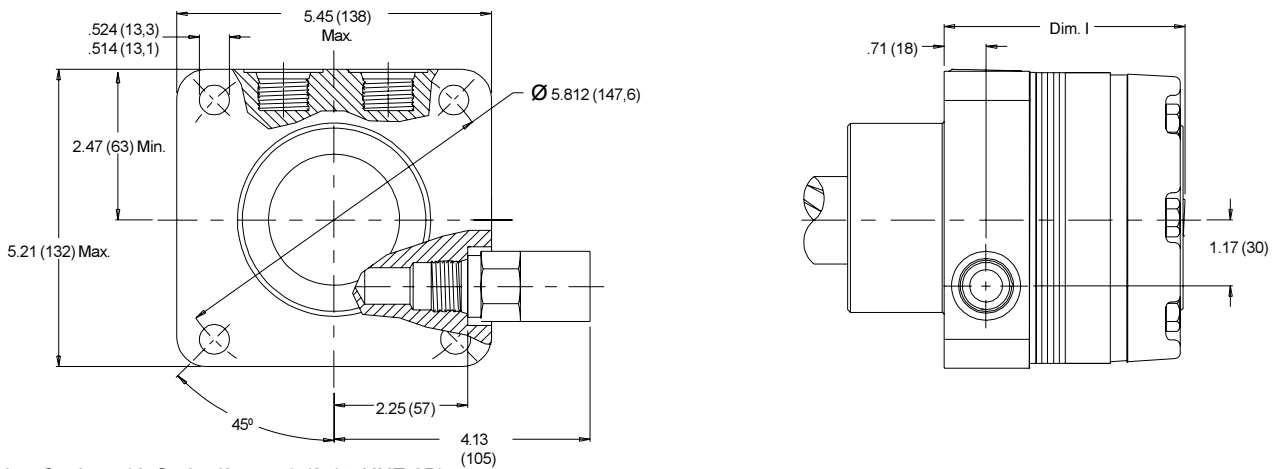
CE Series Hvy-Duty

•Housings Wheel Mount

W31	4-Hole Front Aligned Ports 7/8" O-Ring
W38	4-Hole Front Aligned Ports 1/2" BSP.F

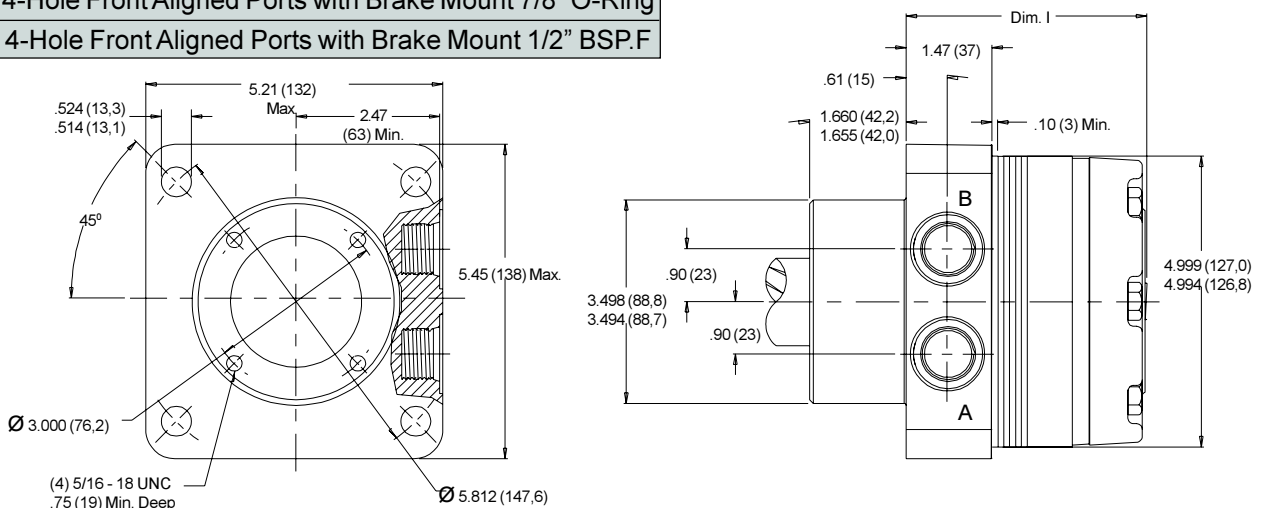


Optional Relief Cartridge Shown Installed and is available for both the W31 and W38 housings



Valve Cavity - 10 Series/2-way (7/8-14 UNF-2B)

K31	4-Hole Front Aligned Ports with Brake Mount 7/8" O-Ring
K38	4-Hole Front Aligned Ports with Brake Mount 1/2" BSP.F

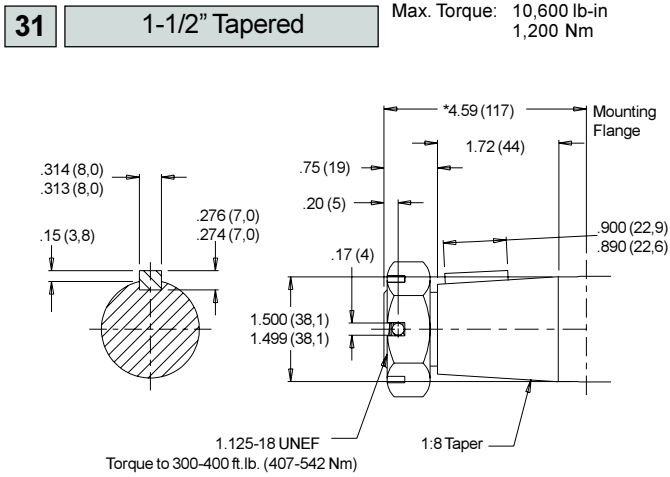


(4) 5/16 - 18 UNC
.75 (19) Min. Deep

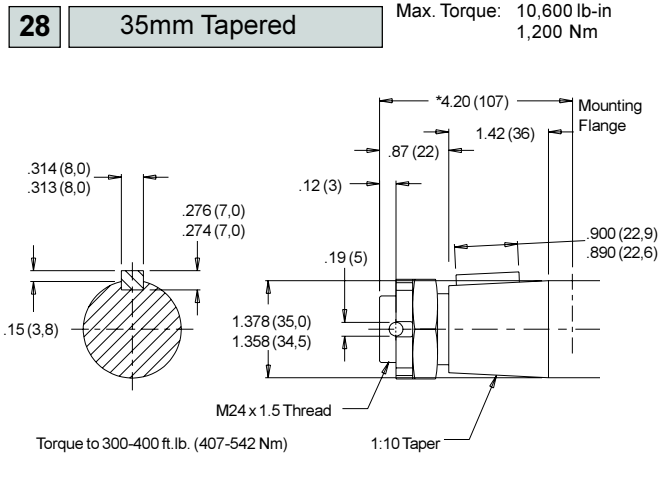
CE Series Hvy-Duty



•Shafts



Note: A slotted nut is standard on this shaft.
*Shaft lengths vary $\pm .030$ in (.8mm)



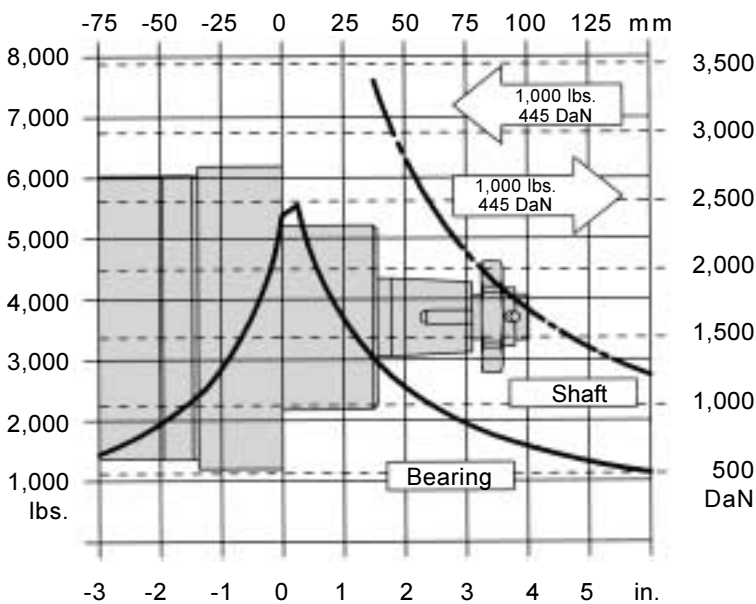
•Technical

Allowable Bearing And Shaft Loads

Bearing Curve: The bearing curve represents allowable bearing loads based on ISO 281 bearing capacity for an L_{10} life of 2000 hours at 100 RPM. Radial loads for speeds other than 100 RPM may be calculated using the multiplication factor table located on page 12.

Shaft Curve: The shaft curve represents a 3:1 safety factor based on a tensile strength of 330 kpsi.

Wheel Mount



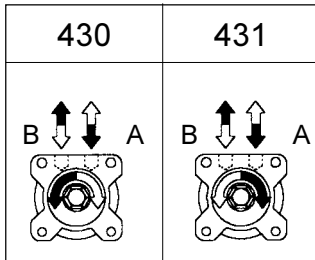
Length and Weight Tables

Wheel Mount

Disp. Code	Dim. I in (mm)	Weight lbs (kg)
120	3.91 (99)	24.1 (10,9)
160	3.91 (99)	24.1 (10,9)
200	4.05 (103)	24.8 (11,3)
230	4.15 (105)	25.2 (11,4)
260	4.24 (108)	25.6 (11,6)
300	4.37 (111)	26.3 (11,9)
350	4.92 (125)	28.8 (13,1)
375	4.62 (117)	27.4 (12,4)
470	4.92 (125)	28.8 (13,1)
540	5.16 (131)	30.0 (13,6)
750	5.87 (149)	33.1 (15,0)

CE motor weights vary ± 1 lb. (.45 kg) depending upon motor configuration.

•Rotation Selection



For applications requiring the motor to rotate in only one direction, shaft seal life may be prolonged by pressurizing the "A" port of the motor. To obtain the desired direction of shaft rotation, use the graphic at the left to determine the rotation code for the motor. For bidirectional applications, the 430 series is recommended. Preferred rotation is determined by internal valving design.

•Ordering Information

SERIES

431 — REVERSED TIMING

430

DISPLACEMENT

Code	Displacement
120	7.4 in ³ /r 121 cc
160	9.9 in ³ /r 162 cc
200	12.4 in ³ /r 204 cc
230	14.2 in ³ /r 232 cc
260	15.9 in ³ /r 261 cc
300	18.3 in ³ /r 300 cc
350	21.2 in ³ /r 348 cc
375	22.8 in ³ /r 375 cc
470	28.3 in ³ /r 465 cc
540	32.7 in ³ /r 536 cc
750	45.6 in ³ /r 748 cc

HOUSING

Code	Housing
W38	4-Hole Front Ports 1/2" BSPF
W31	4-Hole Front Ports 7/8" O-ring
K31	4-Hole Front Ports 7/8" O-ring with Brake Mount
K38	4-Hole Front Ports 1/2" BSPF with Brake Mount

SHAFT

Code	Shafts
31	1-1/2" Tapered
28	35mm Tapered

PAINT

Code	Options
A	Dark Metallic Gray
B	Dark Metallic Gray (Unpainted Flange Face)
C	Black
D	Black (Unpainted Flange Face)
Z	No Paint

CAVITY

Code	Options
A	None
*B	Relief Valve Cavity
*C	1000 PSI (69 Bar) Relief Valve Installed
*D	1250 PSI (86 Bar) Relief Valve Installed
*E	1500 PSI (104 Bar) Relief Valve Installed
*F	1750 PSI (121 Bar) Relief Valve Installed
*G	2000 PSI (138 Bar) Relief Valve Installed
*J	2500 PSI (173 Bar) Relief Valve Installed
*L	3000 PSI (207 Bar) Relief Valve Installed

MISCELLANEOUS

Code	Options
AA	None
AC	Freeturning Rotor
AF	Hydraulic Declutch (With Freeturning Rotor)

ADD ONS

Code	Options
A	Standard
C	Solid Hex Nut

*Must use W31 or W38 Housing.

Declutch Option



•Description

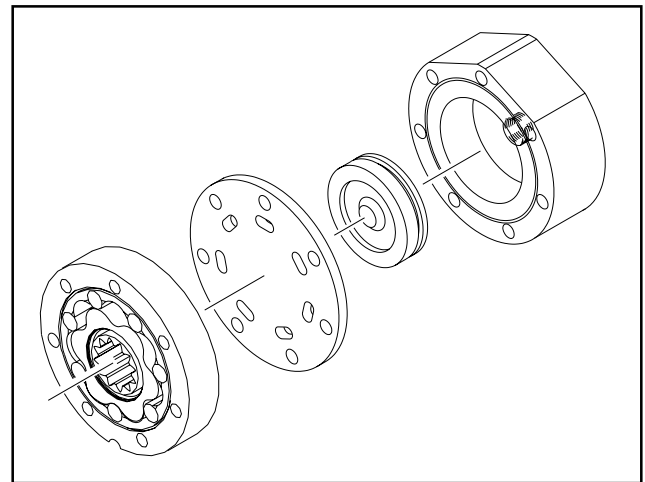
The declutch or “J” option, available on the RE and CE Series motors, has been specifically designed for applications requiring the motor to have the ability to “freewheel” when not pressurized. By making minor changes to the components used within the motor, the torque required to turn the output shaft is minimal. Selection of this option allows freewheeling speeds up to 1,000 RPM depending on the displacement of the motor and duty cycle of the application.



To allow the motor to perform this function, the standard rotor assembly is replaced with a freeturn rotor assembly. Next, the standard balance plate and endcover is replaced with a special wear plate and ported endcover. The wear plate features seven holes that connect the stator pockets to each other. The ported endcover features a movable piston capable of sealing the seven holes in the wear plate.

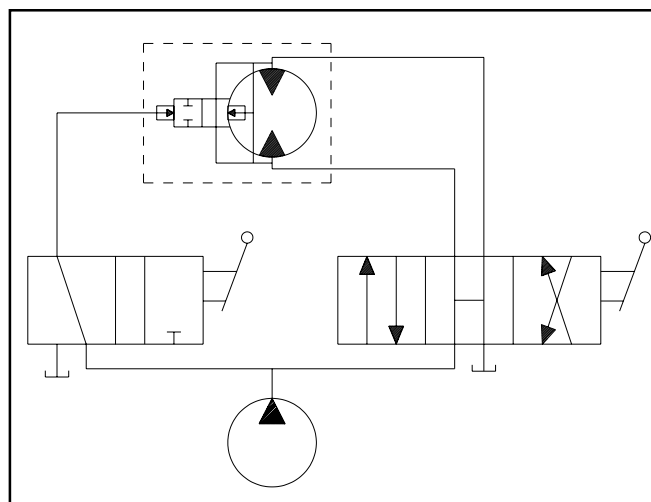
When standard motor function is required, pressure is supplied to the endcover port, moving the piston against the wear plate. This action seals the seven holes allowing the motor to function as normal.

However, when pressure is removed from the endcover port, the pressure created by the turning rotor assembly pushes the piston away from the wear plate, opening the rotor pockets to each other. In this condition, the oil may circulate freely within the rotor and endcover assemblies, allowing the rotor assembly to rotate freely within the motor.



This option is especially useful in applications ranging from winch drives to towable wheel drives. Depending on the valves and hydraulic circuitry, operation of the freewheel function may be manually or automatically selected. A basic schematic is shown below.

•Connections





CE / Integral Drum Brake

•Features



High Efficiency CE series Motor
provides exceptional low speed performance in one of the smallest wheel drive packages available today

Self-Adjusting Brake Mechanism
makes brake adjustments unnecessary by automatically adjusting for brake wear and cable stretch

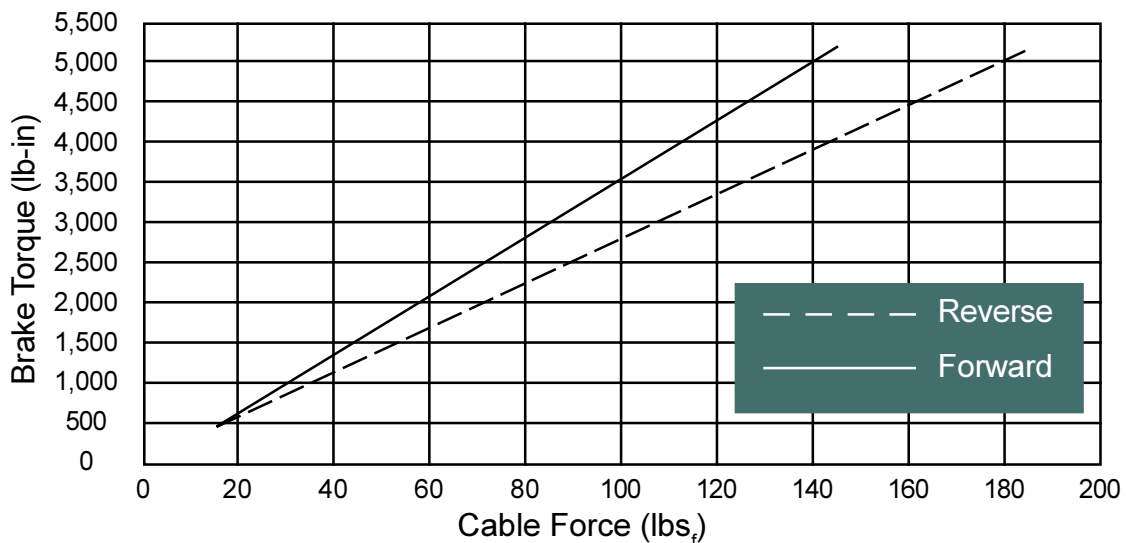
Standard Wheel Mount Flange
adapts easily to new designs and can be retro-fitted onto older machines

4 and 5 Bolt Wheel Hubs
are available to accommodate a wide variety of wheel rims

Labyrinth Lip Seal Design
incorporated into hub helps protect brake components from elements

2-Position Brake Lever
provides flexibility in the attachment of brake cables or actuating linkage

•Brake Holding Torque

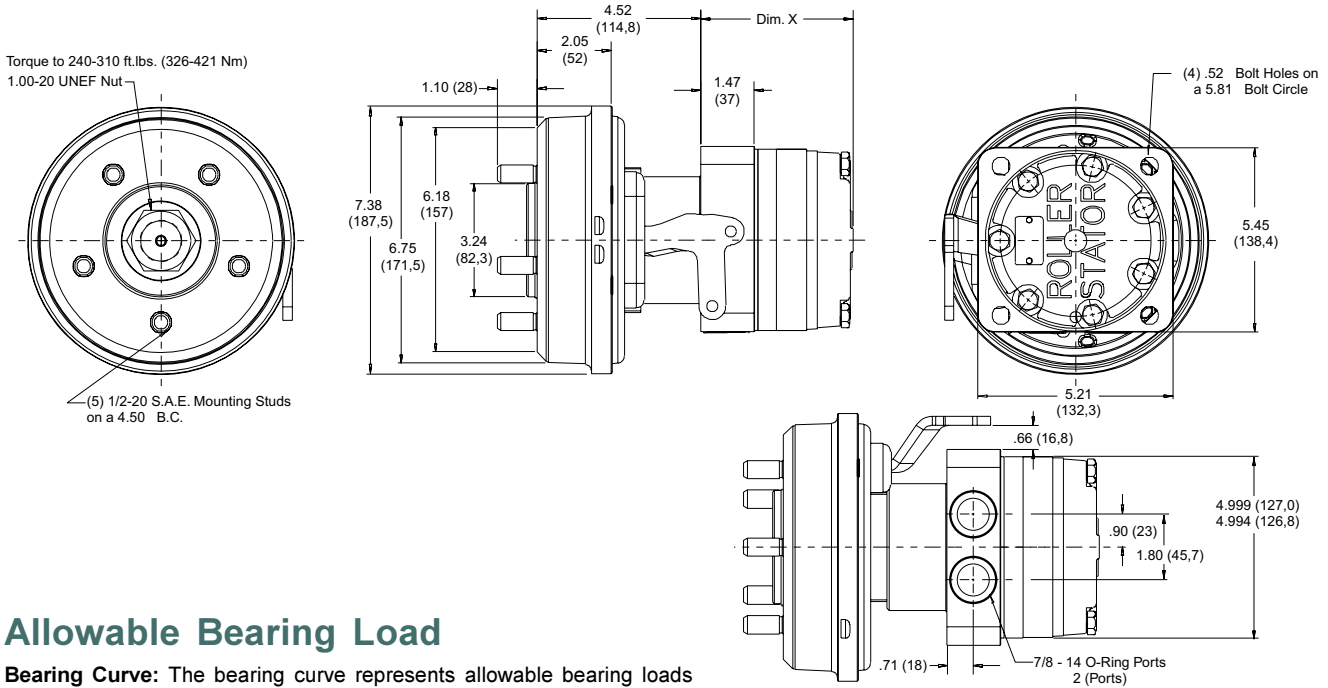


CE / Integral Drum Brake



•Housings

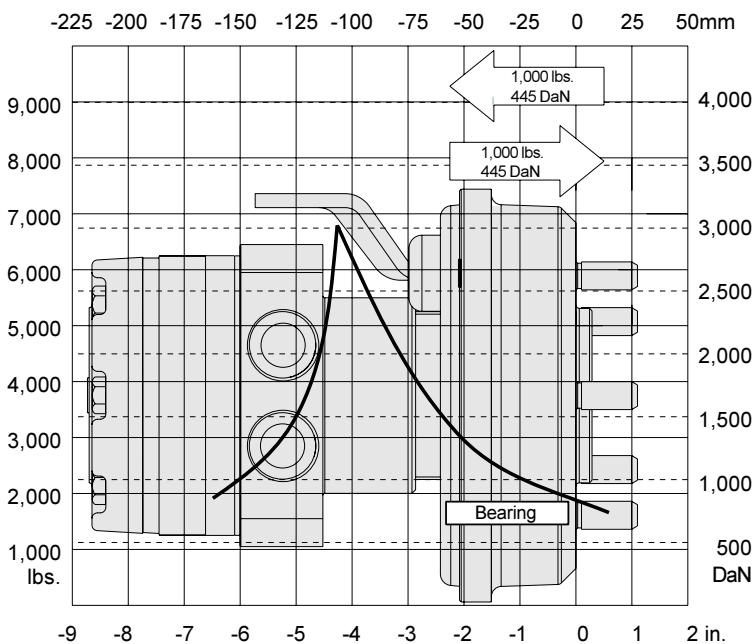
K35	4-Hole 9/16" O-Ring Ports with Brake Mount
K38	4-Hole 1/2" BSP.F Ports with Brake Mount
K31	4-Hole 7/8" O-Ring Ports with Brake Mount



Allowable Bearing Load

Bearing Curve: The bearing curve represents allowable bearing loads based on ISO 281 bearing capacity for an L_{10} life of 2000 hours at 100 RPM. Radial loads for speeds other than 100 RPM may be calculated using the multiplication factor table located on page 12.

Wheel Mount with Brake

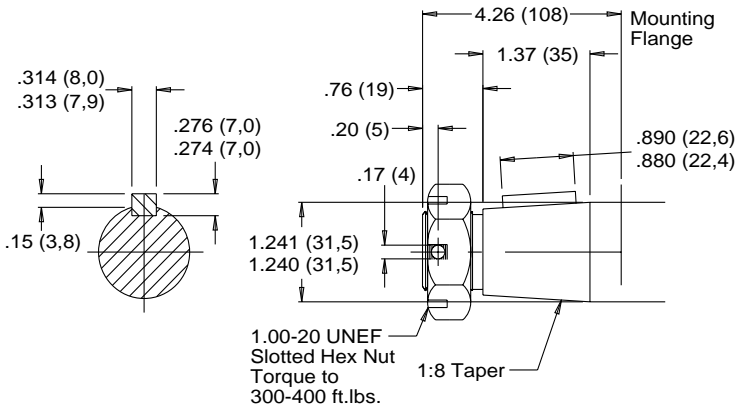




CE / Integral Drum Brake

• Shaft

22 1-1/4" Tapered



Length and Weight Tables

Wheel Mount with Brake		
Disp. Code	Dim. X in (mm)	Weight lbs (kg)
120	3.91 (99)	35.2 (16,0)
160	3.91 (99)	35.2 (16,0)
200	4.05 (103)	35.9 (16,3)
230	4.15 (105)	36.3 (16,5)
260	4.24 (108)	36.7 (16,7)
300	4.37 (111)	37.4 (17,0)
350	4.92 (125)	39.9 (18,1)
375	4.62 (117)	38.5 (17,5)
470	4.92 (125)	39.9 (18,1)
540	5.16 (131)	41.1 (18,7)
750	5.87 (149)	44.2 (20,1)

CE motor weights vary ± 1 lb. (.45 kg) depending upon motor configuration.

• Ordering Information

