

## OVERVIEW

The WP motor series is an economical alternative to more complex roller gerotor designs and still provides high efficiency across a wide performance range. These motors are intended for light-duty applications requiring high torque in a compact package and are suitable for industrial and mobile applications including car wash brushes, food processing equipment, conveyors, machine tools, agricultural equipment, sweepers, skid steer attachments, and more.

## FEATURES / BENEFITS

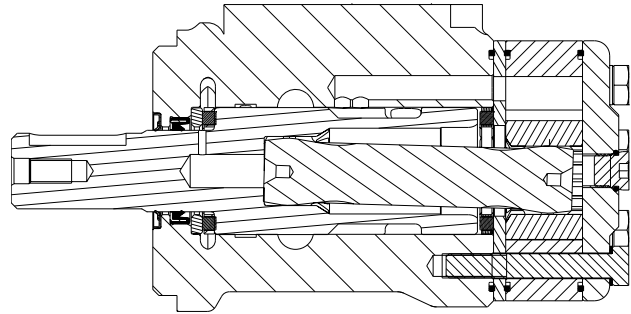
- Built-in check valves offer versatility and increased seal life.
- A variety of mounts and shafts provide flexibility in application design.
- Spool valve design gives superior performance and smooth operation over a wide speed and torque range.
- Standard high pressure shaft seals offer superior seal life and performance.

## TYPICAL APPLICATIONS

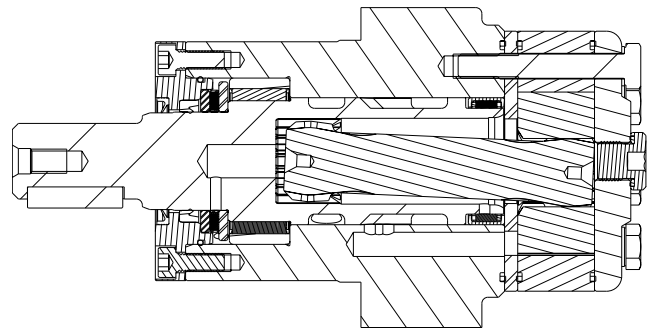
agriculture equipment, conveyors, carwashes, sweepers, food processing, grain augers, spreaders, feed rollers, augers, brush drives and more

## SERIES DESCRIPTIONS

**155/156** - Hydraulic Motor  
*Standard*



**157/158** - Hydraulic Motor  
*With Needle Bearings*



## SPECIFICATIONS

CODE	Displacement cm <sup>3</sup> [in <sup>3</sup> /rev]	Max. Speed rpm		Max. Flow lpm [gpm]		Max. Torque Nm [lb-in]		Max. Pressure bar [psi]		
		cont.	inter.	cont.	inter.	cont.	inter.	cont.	inter.	peak
025	25 [1.5]	1570	1687	40 [11]	45 [12]	35 [310]	48 [425]	100 [1450]	140 [2030]	225 [3260]
032	32 [2.0]	1550	1674	50 [13]	55 [15]	45 [398]	57 [504]	100 [1450]	140 [2030]	225 [3260]
040	40 [2.5]	1471	1670	60 [16]	70 [19]	65 [575]	74 [655]	100 [1450]	140 [2030]	225 [3260]
050	50 [3.0]	1208	1500	60 [16]	75 [20]	91 [805]	108 [956]	140 [2030]	175 [2540]	240 [3480]
060	59 [3.6]	1185	1271	60 [16]	75 [20]	125 [1106]	136 [1204]	160 [2320]	175 [2540]	240 [3480]
080	78 [4.8]	896	960	60 [16]	75 [20]	164 [1451]	183 [1620]	160 [2320]	175 [2540]	240 [3480]
100	96 [5.9]	728	780	60 [16]	75 [20]	195 [1726]	213 [1885]	160 [2320]	175 [2540]	240 [3480]
125	125 [7.6]	559	599	60 [16]	75 [20]	258 [2285]	278 [2460]	160 [2320]	175 [2540]	240 [3480]
160	159 [9.7]	452	483	60 [16]	75 [20]	321 [2840]	362 [3205]	160 [2320]	175 [2540]	240 [3480]
200	190 [11.6]	367	385	60 [16]	75 [20]	380 [3365]	420 [3720]	150 [2180]	175 [2540]	240 [3480]
250	240 [14.6]	291	312	60 [16]	75 [20]	445 [3940]	557 [4930]	140 [2030]	175 [2540]	240 [3480]
315	303 [18.5]	228	245	60 [16]	75 [20]	460 [4071]	602 [5330]	120 [1740]	160 [2320]	200 [2900]
400	388 [23.7]	155	189	60 [16]	75 [20]	488 [4320]	625 [5532]	95 [1380]	125 [1810]	180 [2610]

► Performance data is typical. Performance of production units varies slightly from one motor to another. Running at intermittent ratings should not exceed 10% of every minute of operation.

**DISPLACEMENT PERFORMANCE**

		Pressure - bar [psi]			Max. Cont.		Max. Inter.	
<b>025</b>		30 [435]	60 [870]	80 [1160]	100 [1450]	120 [1740]	140 [2030]	
25 cm <sup>3</sup> [1.5 in <sup>3</sup> ] / rev								
		Torque - Nm [lb-in], Speed rpm				Intermittent Ratings - 10% of Operation		
Flow - lpm [gpm]	5 [1.3]	9 [80] <b>186</b>	18 [159] <b>160</b>	25 [221] <b>134</b>	32 [283] <b>101</b>	35 [310] <b>106</b>		200
	10 [2.6]	10 [88] <b>386</b>	18 [159] <b>352</b>	26 [230] <b>323</b>	34 [301] <b>280</b>	37 [327] <b>255</b>	48 [425] <b>210</b>	400
	15 [4.0]	9 [80] <b>568</b>	19 [168] <b>537</b>	26 [230] <b>505</b>	35 [310] <b>467</b>	38 [336] <b>431</b>	44 [389] <b>390</b>	600
	20 [5.3]	8 [71] <b>777</b>	19 [168] <b>736</b>	25 [221] <b>692</b>	33 [292] <b>660</b>	39 [345] <b>608</b>	45 [398] <b>566</b>	800
	25 [6.6]	7 [62] <b>972</b>	18 [159] <b>920</b>	26 [230] <b>870</b>	32 [283] <b>840</b>	39 [345] <b>803</b>	45 [398] <b>756</b>	1000
	30 [7.9]	6 [53] <b>1167</b>	17 [150] <b>1122</b>	25 [221] <b>1088</b>	32 [283] <b>1055</b>	39 [345] <b>998</b>	44 [389] <b>976</b>	1200
	35 [9.2]	5 [44] <b>1360</b>	16 [142] <b>1318</b>	24 [212] <b>1282</b>	31 [274] <b>1258</b>	37 [327] <b>1216</b>	43 [381] <b>1160</b>	1400
	40 [10.6]	5 [44] <b>1570</b>	15 [133] <b>1503</b>	22 [195] <b>1476</b>	31 [274] <b>1432</b>	36 [319] <b>1394</b>	41 [363] <b>1359</b>	1600
	45 [11.9]		13 [115] <b>1687</b>	20 [177] <b>1636</b>	28 [248] <b>1600</b>	34 [301] <b>1558</b>	39 [345] <b>1516</b>	1800
	Max. Max. Inter. Cont.							
<b>Rotor Width</b>		Overall Efficiency - 70 - 100% <input type="checkbox"/> 40 - 69% <input type="checkbox"/> 0 - 39% <input checked="" type="checkbox"/>						
4.1 [160] mm [in]		Theoretical Torque - Nm [lb-in]						
		12 [106]	24 [211]	32 [282]	40 [352]	48 [423]	56 [493]	
Displacement tested at 45°C [113°F] with an oil viscosity of 46cSt [213 SUS]								

		Pressure - bar [psi]			Max. Cont.		Max. Inter.	
<b>032</b>		30 [435]	60 [870]	80 [1160]	100 [1450]	120 [1740]	140 [2030]	
32 cm <sup>3</sup> [2.0 in <sup>3</sup> ] / rev								
		Torque - Nm [lb-in], Speed rpm				Intermittent Ratings - 10% of Operation		
Flow - lpm [gpm]	5 [1.3]	11 [97] <b>149</b>	24 [212] <b>135</b>	35 [310] <b>114</b>	37 [327] <b>94</b>			156
	10 [2.6]	12 [106] <b>308</b>	27 [239] <b>284</b>	37 [327] <b>270</b>	43 [381] <b>250</b>	46 [407] <b>240</b>	56 [496] <b>211</b>	313
	15 [4.0]	11 [97] <b>465</b>	26 [230] <b>444</b>	36 [319] <b>429</b>	45 [398] <b>398</b>	48 [425] <b>378</b>	57 [504] <b>355</b>	469
	20 [5.3]	10 [88] <b>624</b>	25 [221] <b>589</b>	35 [310] <b>575</b>	44 [389] <b>557</b>	46 [407] <b>544</b>	56 [496] <b>524</b>	625
	25 [6.6]	9 [80] <b>780</b>	24 [212] <b>771</b>	34 [301] <b>751</b>	42 [372] <b>735</b>	45 [398] <b>719</b>	54 [478] <b>695</b>	781
	30 [7.9]	8 [71] <b>931</b>	23 [204] <b>908</b>	32 [283] <b>895</b>	40 [354] <b>876</b>	45 [398] <b>857</b>	52 [460] <b>822</b>	938
	35 [9.2]	7 [62] <b>1086</b>	20 [177] <b>1066</b>	29 [257] <b>1051</b>	39 [345] <b>1030</b>	43 [381] <b>1012</b>	51 [451] <b>981</b>	1094
	40 [10.6]	7 [62] <b>1240</b>	19 [168] <b>1212</b>	27 [239] <b>1190</b>	38 [336] <b>1178</b>	43 [381] <b>1145</b>	50 [442] <b>1121</b>	1250
	45 [11.9]	6 [53] <b>1400</b>	18 [159] <b>1382</b>	26 [230] <b>1366</b>	35 [310] <b>1340</b>	42 [372] <b>1314</b>	48 [425] <b>1280</b>	1406
	50 [13.2]	5 [44] <b>1550</b>	16 [142] <b>1526</b>	24 [212] <b>1500</b>	31 [274] <b>1478</b>	40 [354] <b>1452</b>	46 [407] <b>1418</b>	1563
55 [14.5]		12 [106] <b>1674</b>	20 [177] <b>1641</b>	28 [248] <b>1617</b>	34 [301] <b>1584</b>	39 [345] <b>1555</b>	1719	
Max. Max. Inter. Cont.								
<b>Rotor Width</b>		Overall Efficiency - 70 - 100% <input type="checkbox"/> 40 - 69% <input type="checkbox"/> 0 - 39% <input checked="" type="checkbox"/>						
5.1 [200] mm [in]		Theoretical Torque - Nm [lb-in]						
		15 [135]	31 [271]	41 [361]	51 [451]	61 [541]	71 [631]	
Displacement tested at 45°C [113°F] with an oil viscosity of 46cSt [213 SUS]								

► Performance data is typical. Performance of production units varies slightly from one motor to another. Operating at maximum continuous pressure and maximum continuous flow simultaneously is not recommended. For additional information on product testing please refer to page 6.

**DISPLACEMENT PERFORMANCE**

		Pressure - bar [psi]				Max. Cont.	Max. Inter.		
<b>040</b>		30 [435]	60 [870]	80 [1160]	100 [1450]	120 [1740]	140 [2030]		
40 cm <sup>3</sup> [2.5 in <sup>3</sup> ] / rev		Torque - Nm [lb-in], Speed rpm				Intermittent Ratings - 10% of Operation			
Flow - lpm [gpm]	5 [1.3]	15 [133] 113	31 [274] 98	38 [336] 83	48 [425] 60	56 [496] 48			125
	10 [2.6]	14 [124] 238	31 [274] 222	41 [363] 204	54 [478] 182	62 [549] 161	70 [619] 114		250
	20 [5.3]	13 [115] 482	32 [283] 458	41 [363] 442	53 [469] 423	65 [575] 402	74 [655] 381		500
	30 [7.9]	12 [106] 730	30 [265] 704	39 [345] 687	51 [451] 668	63 [558] 646	74 [655] 624		750
	40 [10.6]	10 [88] 968	27 [239] 949	39 [345] 928	51 [451] 908	61 [540] 892	72 [637] 870		1000
	50 [13.2]	7 [62] 1219	25 [221] 1191	37 [327] 1173	49 [434] 1150	59 [522] 1127	71 [628] 1107		1250
	60 [15.8]	4 [35] 1471	23 [204] 1428	34 [301] 1411	46 [407] 1387	56 [496] 1369	68 [602] 1341		1500
	70 [18.5]		16 [142] 1670	30 [265] 1653	41 [363] 1627	52 [460] 1612	64 [566] 1598		2000
Max. Max. Inter. Cont.									
Rotor Width									
6.6 [260] mm [in]		19 [168]	38 [336]	50 [442]	64 [566]	76 [673]	89 [788]		
		Displacement tested at 45°C [113°F] with an oil viscosity of 46cSt [213 SUS]							

Overall Efficiency - 70 - 100%  40 - 69%  0 - 39%

Theoretical Torque - Nm [lb-in]

19 [168]	38 [336]	50 [442]	64 [566]	76 [673]	89 [788]
----------	----------	----------	----------	----------	----------

Displacement tested at 45°C [113°F] with an oil viscosity of 46cSt [213 SUS]

		Pressure - bar [psi]				Max. Cont.	Max. Inter.		
<b>050</b>		30 [435]	60 [870]	80 [1160]	100 [1450]	120 [1740]	140 [2030]	160 [2320]	175 [2540]
50 cm <sup>3</sup> [3.0 in <sup>3</sup> ] / rev		Torque - Nm [lb-in], Speed rpm				Intermittent Ratings - 10% of Operation			
Flow - lpm [gpm]	5 [1.3]	19 [168] 100	39 [345] 85	48 [425] 75	62 [549] 64	75 [664] 48			101
	10 [2.6]	20 [177] 197	38 [336] 196	50 [442] 174	63 [558] 159	78 [690] 146	92 [814] 127	102 [903] 101	107 [947] 97
	20 [5.3]	18 [159] 400	38 [336] 386	52 [460] 371	64 [566] 355	78 [690] 341	90 [796] 314	104 [920] 292	108 [956] 290
	30 [7.9]	15 [133] 600	37 [327] 585	50 [442] 571	64 [566] 560	77 [681] 540	89 [788] 516	103 [912] 499	107 [947] 495
	40 [10.6]	12 [106] 808	31 [274] 800	45 [398] 790	59 [522] 770	73 [646] 766	87 [770] 733	99 [876] 703	106 [938] 697
	50 [13.2]	9 [80] 1009	27 [239] 1006	41 [363] 986	55 [487] 982	68 [602] 964	84 [743] 956	98 [867] 930	105 [929] 872
	60 [15.8]	6 [53] 1208	24 [212] 1200	37 [327] 1196	53 [469] 1188	64 [566] 1176	82 [726] 1160	95 [841] 1140	102 [903] 963
	70 [18.5]	3 [27] 1410	17 [150] 1396	32 [283] 1382	44 [389] 1370	58 [513] 1358	80 [708] 1347	93 [823] 1334	98 [867] 1315
Max. Inter.	75 [19.8]	15 [133] 1500	30 [265] 1488	40 [354] 1473	56 [496] 1457	77 [681] 1439	88 [779] 1412	93 [823] 1388	
Max. Cont.									
Rotor Width									
6.6 [260] mm [in]		24 [212]	47 [416]	63 [558]	79 [699]	95 [841]	110 [973]	126 [1115]	138 [1221]
		Displacement tested at 45°C [113°F] with an oil viscosity of 46cSt [213 SUS]							

Overall Efficiency - 70 - 100%  40 - 69%  0 - 39%

Theoretical Torque - Nm [lb-in]

24 [212]	47 [416]	63 [558]	79 [699]	95 [841]	110 [973]	126 [1115]	138 [1221]
----------	----------	----------	----------	----------	-----------	------------	------------

Displacement tested at 45°C [113°F] with an oil viscosity of 46cSt [213 SUS]

► Performance data is typical. Performance of production units varies slightly from one motor to another. Operating at maximum continuous pressure and maximum continuous flow simultaneously is not recommended. For additional information on product testing please refer to page 6.

**DISPLACEMENT PERFORMANCE**

<b>060</b>		Pressure - bar [psi]						Max. Cont.	Max. Inter.	
		30 [435]	60 [870]	80 [1160]	100 [1450]	120 [1740]	140 [2030]	160 [2320]	175 [2540]	
59 cm <sup>3</sup> [3.6 in <sup>3</sup> ] / rev										
Max. Cont.		Torque - Nm [lb-in], Speed rpm						Intermittent Ratings - 10% of Operation		
		20 [177]	46 [407]	65 [575]	80 [708]	95 [841]	112 [991]			
Max. Inter.	5 [1.3]	83	79	72	64	51	38		85	
	10 [2.6]	22 [195]	47 [416]	66 [584]	81 [717]	96 [850]	113 [1000]	125 [1106]	136 [1204]	170
	20 [5.3]	169	164	155	142	135	124	108	88	339
	30 [7.9]	20 [177]	45 [398]	64 [566]	80 [708]	93 [823]	111 [982]	123 [1088]	134 [1186]	509
	40 [10.6]	338	332	320	309	290	276	245	222	678
	50 [13.2]	17 [150]	43 [381]	62 [549]	76 [673]	89 [788]	109 [965]	121 [1071]	131 [1159]	848
	60 [15.8]	507	502	493	482	468	454	424	400	1017
	70 [18.5]	14 [124]	41 [363]	58 [513]	73 [646]	87 [770]	105 [929]	117 [1035]	127 [1124]	1186
75 [19.8]	678	669	660	645	630	616	594	582	1271	
Rotor Width		Overall Efficiency - 70 - 100% <input type="checkbox"/> 40 - 69% <input type="checkbox"/> 0 - 39% <input checked="" type="checkbox"/>								
8.0 [314] mm [in]		Theoretical Torque - Nm [lb-in]								
		28 [249]	56 [499]	75 [665]	94 [831]	113 [998]	132 [1164]	150 [1330]	164 [1455]	
Displacement tested at 45°C [113°F] with an oil viscosity of 46cSt [213 SUS]										

<b>080</b>		Pressure - bar [psi]						Max. Cont.	Max. Inter.	
		30 [435]	60 [870]	80 [1160]	100 [1450]	120 [1740]	140 [2030]	160 [2320]	175 [2540]	
78 cm <sup>3</sup> [4.8 in <sup>3</sup> ] / rev										
Max. Cont.		Torque - Nm [lb-in], Speed rpm						Intermittent Ratings - 10% of Operation		
		32 [283]	62 [549]	80 [708]	106 [938]	125 [1106]				
Max. Inter.	5 [1.3]	60	56	50	42	30			64	
	10 [2.6]	31 [274]	64 [566]	84 [743]	104 [920]	120 [1062]	142 [1257]	162 [1434]	175 [1549]	128
	20 [5.3]	125	118	112	104	98	82	67	50	256
	30 [7.9]	26 [230]	60 [531]	84 [743]	102 [903]	125 [1106]	144 [1274]	164 [1451]	183 [1619]	385
	40 [10.6]	254	245	236	228	215	204	190	175	513
	50 [13.2]	24 [212]	56 [496]	81 [717]	100 [885]	122 [1080]	142 [1257]	160 [1416]	175 [1549]	641
	60 [15.8]	384	374	366	358	346	335	318	305	769
	70 [18.5]	19 [168]	53 [469]	75 [664]	96 [850]	118 [1044]	140 [1239]	158 [1398]	170 [1504]	897
75 [19.8]	512	505	494	483	473	462	450	438	962	
Rotor Width		Overall Efficiency - 70 - 100% <input type="checkbox"/> 40 - 69% <input type="checkbox"/> 0 - 39% <input checked="" type="checkbox"/>								
10.4 [410] mm [in]		Theoretical Torque - Nm [lb-in]								
		37 [327]	75 [664]	100 [885]	125 [1106]	149 [1319]	174 [1540]	199 [1761]	218 [1929]	
Displacement tested at 45°C [113°F] with an oil viscosity of 46cSt [213 SUS]										

► Performance data is typical. Performance of production units varies slightly from one motor to another. Operating at maximum continuous pressure and maximum continuous flow simultaneously is not recommended. For additional information on product testing please refer to page 6.

**DISPLACEMENT PERFORMANCE**

		Pressure - bar [psi]						Max. Cont.	Max. Inter.				
<b>100</b>		30 [435]	60 [870]	80 [1160]	100 [1450]	120 [1740]	140 [2030]	160 [2320]	175 [2540]				
96 cm <sup>3</sup> [5.9 in <sup>3</sup> ] / rev		Torque - Nm [lb-in], Speed rpm						Intermittent Ratings - 10% of Operation					
Flow - lpm [gpm]	5 [1.3]	43 [381] 51	82 [726] 42	109 [965] 35	131 [1159] 25						52	Theoretical rpm	
	10 [2.6]	43 [381] 99	84 [743] 93	108 [956] 84	133 [1177] 72	152 [1345] 62	180 [1593] 48	197 [1743] 24			104		
	20 [5.3]	41 [363] 205	79 [699] 202	107 [947] 197	127 [1124] 192	154 [1363] 182	178 [1575] 172	200 [1770] 140	212 [1876] 118				208
	30 [7.9]	39 [345] 311	74 [655] 307	101 [894] 301	126 [1115] 294	152 [1345] 283	176 [1558] 271	198 [1752] 258	213 [1885] 240				313
	40 [10.6]	29 [257] 413	63 [558] 410	93 [823] 406	121 [1071] 399	150 [1327] 388	172 [1522] 379	195 [1726] 368	208 [1841] 347				417
	50 [13.2]	20 [177] 519	52 [460] 515	85 [752] 510	115 [1018] 503	148 [1310] 492	169 [1496] 480	193 [1708] 464	203 [1796] 446				521
	60 [15.8]	17 [150] 624	53 [469] 620	83 [735] 615	111 [982] 608	138 [1221] 600	165 [1460] 582	183 [1619] 565	193 [1708] 548				625
	70 [18.5]	11 [97] 728	42 [372] 726	73 [646] 723	93 [823] 714	126 [1115] 706	159 [1407] 684	172 [1522] 668	183 [1619] 646				729
Max. Inter.	75 [19.8]	6 [53] 780	35 [310] 771	61 [540] 764	89 [788] 755	118 [1044] 736	145 [1283] 724	156 [1381] 712	176 [1558] 699			781	
Rotor Width		Overall Efficiency - 70 - 100% <input type="checkbox"/> 40 - 69% <input type="checkbox"/> 0 - 39% <input type="checkbox"/>											
13.0 [510]		Theoretical Torque - Nm [lb-in]											
mm [in]		46 [407]	92 [814]	122 [1080]	153 [1354]	183 [1623]	214 [1894]	245 [2168]	268 [2372]				
Displacement tested at 45°C [113°F] with an oil viscosity of 46cSt [213 SUS]													

		Pressure - bar [psi]						Max. Cont.	Max. Inter.				
<b>125</b>		30 [435]	60 [870]	80 [1160]	100 [1450]	120 [1740]	140 [2030]	160 [2320]	175 [2540]				
125 cm <sup>3</sup> [7.6 in <sup>3</sup> ] / rev		Torque - Nm [lb-in], Speed rpm						Intermittent Ratings - 10% of Operation					
Flow - lpm [gpm]	5 [1.3]	52 [460] 38	95 [841] 35	135 [1195] 32	168 [1487] 27						40	Theoretical rpm	
	10 [2.6]	50 [442] 78	98 [867] 74	138 [1221] 69	172 [1522] 62	190 [1681] 54	234 [2071] 45	258 [2283] 35			80		
	20 [5.3]	50 [442] 158	96 [850] 152	132 [1168] 144	168 [1487] 135	202 [1788] 124	236 [2088] 110	256 [2265] 94	278 [2460] 78				160
	30 [7.9]	44 [389] 238	92 [814] 232	126 [1115] 225	164 [1451] 215	198 [1752] 210	232 [2053] 198	262 [2319] 168	268 [2372] 155				240
	40 [10.6]	35 [310] 319	82 [726] 316	118 [1044] 312	160 [1416] 308	193 [1708] 300	226 [2000] 288	252 [2230] 262	266 [2354] 238				320
	50 [13.2]	31 [274] 399	77 [681] 396	108 [956] 392	155 [1372] 383	182 [1611] 368	220 [1947] 354	238 [2106] 338	262 [2319] 326				400
	60 [15.8]	15 [133] 479	64 [566] 478	97 [858] 475	146 [1292] 470	166 [1469] 463	210 [1858] 454	224 [1982] 443	256 [2265] 434				480
	70 [18.5]	8 [71] 559	50 [442] 555	90 [796] 548	140 [1239] 538	162 [1434] 524	204 [1805] 516	209 [1850] 500	236 [2088] 488				560
Max. Inter.	75 [19.8]	40 [354] 599	71 [628] 594	128 [1133] 588	158 [1398] 576	192 [1699] 565	199 [1761] 536	224 [1982] 524			600		
Rotor Width		Overall Efficiency - 70 - 100% <input type="checkbox"/> 40 - 69% <input type="checkbox"/> 0 - 39% <input type="checkbox"/>											
16.8 [660]		Theoretical Torque - Nm [lb-in]											
mm [in]		60 [531]	119 [1053]	159 [1407]	199 [1761]	239 [2115]	279 [2469]	318 [2814]	348 [3080]				
Displacement tested at 45°C [113°F] with an oil viscosity of 46cSt [213 SUS]													

► Performance data is typical. Performance of production units varies slightly from one motor to another. Operating at maximum continuous pressure and maximum continuous flow simultaneously is not recommended. For additional information on product testing please refer to page 6.

**DISPLACEMENT PERFORMANCE**

<b>160</b>		Pressure - bar [psi]						Max. Cont.	Max. Inter.	
		30 [435]	60 [870]	80 [1160]	100 [1450]	120 [1740]	140 [2030]	160 [2320]	175 [2540]	
159 cm <sup>3</sup> [9.7 in <sup>3</sup> ] / rev		Torque - Nm [lb-in], Speed rpm						Intermittent Ratings - 10% of Operation		
Flow - lpm [gpm]	5 [1.3]	56 [496]	112 [991]	154 [1363]	201 [1779]				32	
		<b>30</b>	<b>25</b>	<b>18</b>	<b>10</b>					
	10 [2.6]	58 [513]	115 [1018]	156 [1381]	205 [1814]	245 [2168]	285 [2522]		65	
		<b>63</b>	<b>60</b>	<b>56</b>	<b>52</b>	<b>48</b>	<b>37</b>			
	20 [5.3]	60 [532]	123 [1089]	162 [1434]	202 [1788]	242 [2142]	282 [2496]	327 [2894]	360 [3186]	130
		<b>128</b>	<b>125</b>	<b>121</b>	<b>116</b>	<b>110</b>	<b>100</b>	<b>86</b>	<b>78</b>	
	30 [7.9]	50 [443]	117 [1035]	157 [1389]	197 [1743]	238 [2106]	278 [2460]	322 [2850]	358 [3168]	194
		<b>193</b>	<b>190</b>	<b>187</b>	<b>183</b>	<b>179</b>	<b>173</b>	<b>160</b>	<b>144</b>	
	40 [10.6]	48 [425]	113 [1000]	155 [1372]	195 [1726]	236 [2089]	273 [2416]	318 [2814]	355 [3142]	258
	<b>257</b>	<b>255</b>	<b>252</b>	<b>248</b>	<b>244</b>	<b>239</b>	<b>224</b>	<b>211</b>		
50 [13.2]	32 [283]	106 [938]	149 [1319]	188 [1664]	235 [2080]	267 [2363]	313 [2770]	352 [3115]	323	
	<b>323</b>	<b>320</b>	<b>316</b>	<b>312</b>	<b>306</b>	<b>299</b>	<b>288</b>	<b>275</b>		
60 [15.8]	23 [204]	88 [779]	133 [1177]	178 [1575]	212 [1876]	260 [2301]	308 [2726]	342 [3027]	387	
	<b>387</b>	<b>384</b>	<b>380</b>	<b>375</b>	<b>371</b>	<b>366</b>	<b>358</b>	<b>346</b>		
70 [18.5]	16 [142]	82 [726]	128 [1133]	170 [1505]	206 [1823]	255 [2257]	302 [2673]	331 [2929]	453	
	<b>452</b>	<b>451</b>	<b>448</b>	<b>444</b>	<b>436</b>	<b>430</b>	<b>423</b>	<b>412</b>		
75 [19.8]	10 [89]	79 [699]	124 [1097]	164 [1451]	201 [1779]	248 [2195]	296 [2620]	319 [2823]	485	
	<b>483</b>	<b>481</b>	<b>477</b>	<b>472</b>	<b>466</b>	<b>460</b>	<b>450</b>	<b>436</b>		
<b>Rotor Width</b>		<b>Overall Efficiency</b> - 70 - 100% <input type="checkbox"/> 40 - 69% <input type="checkbox"/> 0 - 39% <input checked="" type="checkbox"/>								
20.8 [820] mm [in]		Theoretical Torque - Nm [lb-in]								
		74 [651]	147 [1302]	196 [1736]	245 [2170]	282 [2496]	343 [3038]	392 [3472]	429 [3798]	

Displacement tested at 45°C [113°F] with an oil viscosity of 46cSt [213 SUS]

<b>200</b>		Pressure - bar [psi]						Max. Cont.	Max. Inter.	
		30 [435]	60 [870]	80 [1160]	100 [1450]	115 [1670]	140 [2030]	150 [2180]	175 [2540]	
190 cm <sup>3</sup> [11.6 in <sup>3</sup> ] / rev		Torque - Nm [lb-in], Speed rpm						Intermittent Ratings - 10% of Operation		
Flow - lpm [gpm]	5 [1.3]	75 [664]	158 [1398]	200 [1770]	241 [2133]				26	
		<b>25</b>	<b>22</b>	<b>20</b>	<b>10</b>					
	10 [2.6]	78 [690]	160 [1416]	204 [1805]	252 [2230]	291 [2575]	348 [3080]	377 [3336]	53	
		<b>51</b>	<b>49</b>	<b>45</b>	<b>39</b>	<b>35</b>	<b>29</b>	<b>22</b>		
	20 [5.3]	74 [655]	156 [1381]	200 [1770]	246 [2177]	293 [2593]	354 [3133]	380 [3363]	416 [3681]	105
		<b>104</b>	<b>102</b>	<b>99</b>	<b>95</b>	<b>89</b>	<b>83</b>	<b>76</b>	<b>65</b>	
	30 [7.9]	70 [619]	152 [1345]	196 [1735]	240 [2124]	290 [2566]	352 [3115]	378 [3345]	420 [3717]	158
		<b>157</b>	<b>155</b>	<b>152</b>	<b>148</b>	<b>143</b>	<b>137</b>	<b>130</b>	<b>118</b>	
	40 [10.6]	65 [575]	147 [1301]	190 [1681]	228 [2018]	286 [2531]	340 [3009]	376 [3327]	418 [3699]	211
	<b>210</b>	<b>208</b>	<b>205</b>	<b>200</b>	<b>193</b>	<b>186</b>	<b>178</b>	<b>168</b>		
50 [13.2]	54 [478]	142 [1257]	180 [1593]	222 [1965]	277 [2451]	333 [2947]	356 [3150]	402 [3558]	263	
	<b>262</b>	<b>260</b>	<b>258</b>	<b>254</b>	<b>249</b>	<b>243</b>	<b>235</b>	<b>223</b>		
60 [15.8]	36 [319]	128 [1133]	166 [1469]	210 [1858]	266 [2354]	322 [2850]	350 [3097]	400 [3540]	316	
	<b>315</b>	<b>313</b>	<b>309</b>	<b>305</b>	<b>299</b>	<b>293</b>	<b>284</b>	<b>268</b>		
70 [18.5]	15 [133]	102 [903]	158 [1398]	202 [1788]	254 [2248]	302 [2673]	327 [2894]	376 [3327]	368	
	<b>367</b>	<b>365</b>	<b>362</b>	<b>358</b>	<b>352</b>	<b>336</b>	<b>330</b>	<b>316</b>		
75 [19.8]		94 [832]	146 [1292]	194 [1717]	230 [2035]	290 [2566]	317 [2805]	364 [3221]	395	
		<b>394</b>	<b>390</b>	<b>385</b>	<b>380</b>	<b>374</b>	<b>365</b>	<b>352</b>		
<b>Rotor Width</b>		<b>Overall Efficiency</b> - 70 - 100% <input type="checkbox"/> 40 - 69% <input type="checkbox"/> 0 - 39% <input checked="" type="checkbox"/>								
25.9 [1.020] mm [in]		Theoretical Torque - Nm [lb-in]								
		91 [803]	182 [1611]	242 [2142]	303 [2677]	348 [3079]	424 [3748]	454 [4016]	529 [4685]	

Displacement tested at 45°C [113°F] with an oil viscosity of 46cSt [213 SUS]

► Performance data is typical. Performance of production units varies slightly from one motor to another. Operating at maximum continuous pressure and maximum continuous flow simultaneously is not recommended. For additional information on product testing please refer to page 6.