



BMI-OMP series orbital hydraulic motor

Model BMI Series Replace for Sauer Danfoss OMP, OMR, OMH, OMS, OMT and OMV series Char Lynn, Eaton, Parker, White Displacement 25cc - 400cc/rev Speed 0-1500rpm Pressure up to 225bar

We are the specialized manufacturer of orbital hydraulic motor. We can provide more than 2000 kinds of motor with different models and technical parameters: the rated displacement from 50mm to 1600cc, Max. torque from 50N.m to 3300N.m, Max. output power from 2 KW to 90 KW, which has provided wide choice to meet customer's needs. Meanwhile, Our products manufactured can be completely interchanged with SAUER DANFOSS OMP, OMR, OMH, OMS, OMT AND OMV series.

Features

1. Advanced manufacturing devices for the Gerotor gear set, which use low pressure of start-up, provide smooth, reliable operation and high efficiency.
2. Shaft seal can bear high pressure of back and the motor can be used in parallel or in series.
3. Special design in the driver-linker and prolong operation life.
4. Advanced design in disc distribution flow, which can automatically compensate in operating.
5. The output shaft adopts in tapered roller bearings that permit high axial and radial forces. The case can offers capacities of high pressure and high torque in the wide of applications.
6. Various kinds of flange, output shaft and oil port mounting dimension.

Motor Size	50	60	80	100	125	160	200	250	315	400	500
Interchangeable	OMP50	OMP60	OMP80	OMP100	OMP125	OMP160	OMP200	OMP250	OMP315	OMP400	OMP500
Displacement cc/r	50	63	80	100	125	160	200	250	320	400	500
Flow LPM	continuous	38	45	57	57	57	57	57	57	57	57
	intermittent	45	53	68	68	68	68	68	68	68	68
Speed RPM	continuous	698	663	679	558	452	354	284	235	178	145
	intermittent	859	774	811	669	544	425	339	281	208	171
Pressure Bar	continuous	124	124	124	124	124	124	115	110	100	

90 90 83 intermittent 138 138 138 138 138 124
 124 124 124 110 90 Torque Nm continuous 73 86
 124 154 194 228 285 304 364 466 496 intermittent
 84 93 139 173 216 261 319 378 403 522 516
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[BM2-OMR series hydraulic orbital motor](#)

Model BM2 Series Replace for Sauer Danfoss OMP, OMR, OMH, OMS, OMT and OMV series Char Lynn, Eaton, Parker, White Displacement 51.6cc - 400cc/rev Speed 0-970rpm Pressure up to 225bar We are the specialized manufacturer of orbital hydraulic motor. We can provide more than 2000 kinds of motor with different models and technical parameters: the rated displacement from 50mm to 1600cc, Max. torque from 50N.m to 3300N.m, Max. output power from 2 KW to 90 KW, which has provided wide choice to meet customer's needs. Meanwhile, Our products manufactured can be completely interchanged with SAUER DANFOSS OMP, OMR, OMH, OMS, OMT AND OMV series. Features

1. Advanced manufacturing devices for the Gerotor gear set, which use low pressure of start-up, provide smooth, reliable operation and high efficiency.
2. Shaft seal can bear high pressure of back and the motor can be used in parallel or in series.
3. Special design in the driver-linker and prolong operation life.
4. Advanced design in disc distribution flow, which can automatically compensate in operating.
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6. Various kinds of flange, output shaft and oil port mounting dimension.

Motor Size 50 60 80 100 160 200 250 315 375 400
 Interchangeable OMR50 OMR60 OMR80 OMR100 OMR160 OMR200 OMR250 OMR315 OMR375 OMR400 Displacement cc/r 50 63 80 100 160 200 250 305 370 395 Flow Rated 38 45 53 53 53 53 53 53 53 53 LPM Max 45 57 57 57 57 57 57 57 57 57 Speed Rated 680 610 600 480 305 240 185 154 135 128 RPM Max 850 800 650 520 330 270 210 180 150 140 Pressure Rated 138 138 138 138 124 124 124 103 90 90 Bar Max



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155 155 155 155 138 138 138 124 103 download:

[BM5-OMS series orbital motor](#)

Model BM5 Series Replace for Sauer Danfoss OMP, OMR, OMH, OMS, OMT and OMV series Char Lynn, Eaton, Parker, White Displacement 80cc - 500cc/rev Speed 0-1000rpm Pressure up to 225bar We are the specialized manufacturer of orbital hydraulic motor. We can provide more than 2000 kinds of motor with different models and technical parameters: the rated displacement from 50mm to 1600cc, Max. torque from 50N.m to 3300N.m, Max. output power from 2 KW to 90 KW, which has provided wide choice to meet customer's needs. Meanwhile, Our products manufactured can be completely interchanged with SAUER DANFOSS OMP, OMR, OMH, OMS, OMT AND OMV series. Features1. Advanced manufacturing devices for the Gerotor gear set, which use low pressure of start-up, provide smooth, reliable operation and high efficiency. 2. Shaft seal can bear high pressure of back and the motor can be used in parallel or in series. 3. Special design in the driver-linker and prolong operation life. 4. Advanced design in disc distribution flow, which can automatically compensate in operating. 5. The output shaft adopts in tapered roller bearings that permit high axial and radial forces. The case can offers capacities of high pressure and high torque in the wide of applications. 6. Various kinds of flange, output shaft and oil port mounting dimension. Type BM5-80 BM5-100 BM5-125 BM5-160 BM5-200 BM5-250 BM5-315 BM5-400 BM5-500 Interchangeable OMS80 OMS100 OMS125 OMS160 OMS200 OMS250 OMS315 OMS400 OMS500 Displacement ml/r 80 100 125 160 200 250 315 400 500 Flow L/min Cont. 65 75 75 75 75 75 75 75 75 Int. 80 90 90 90 90 90 90 90 90 Speed r/min Cont. 810 750 600 470 375 300 240 190 155 Int. 1000 900 720 560 450 360 285 230 185 Pressure MPa Cont. 20.5 20.5 20.5 20.5 20.5 20.5 20.5 160 15.5 Int. 31 31 31 26 26 26 24 190 24 Peak 31 31 31 31 31 210 22.5 Torque Nm Cont. 240 305 375 490 610 720 825 865 850 Int. 310 390 490 600 720 870 1000 990 990 download:





BM6-OMT series orbital motor

Danfoss Hydraulic Motor Model BM6 Series Replace for Sauer Danfoss OMP, OMR, OMH, OMS, OMT and OMV series Char Lynn, Eaton, Parker, White Displacement 160cc - 500cc/rev Speed 0-780rpm Pressure up to 225bar We are the specialized manufacturer of orbital hydraulic motor. We can provide more than 2000 kinds of motor with different models and technical parameters: the rated displacement from 50mm to 1600cc, Max. torque from 50N.m to 3300N.m, Max. output power from 2 KW to 90 KW, which has provided wide choice to meet customer's needs. Meanwhile, Our products manufactured can be completely interchanged with SAUER DANFOSS OMP, OMR, OMH, OMS, OMT AND OMV series. Features

1. Advanced manufacturing devices for the Gerotor gear set, which use low pressure of start-up, provide smooth, reliable operation and high efficiency.
2. Shaft seal can bear high pressure of back and the motor can be used in parallel or in series.
3. Special design in the driver-linker and prolong operation life.
4. Advanced design in disc distribution flow, which can automatically compensate in operating.
5. The output shaft adopts in tapered roller bearings that permit high axial and radial forces. The case can offers capacities of high pressure and high torque in the wide of applications.
6. Various kinds of flange, output shaft and oil port mounting dimension.

Type BM6-160 BM6-200 BM6-250 BM6-315 BM6-400 BM6-500 BM6-630 BM6-800
 Interchangeable OMT 160 OMT 200 OMT 250 OMT 315 OMT 400 OMT 500 OMT 630 OMT 800 Geometric displacement (cm³ /rev) 161.1 201.4 251.8 326.3 410.9 523.6 629.1 801.8 Max. speed (rpm) Rated 470 475 381 294 228 183 150 121 cont. 614 615 495 380 302 237 196 154 int. 770 743 592 458 364 284 233 185 Max. torque (N*m) Rated 379 471 582 758 896 1063 1156 1207 cont. 471 589 727 962 1095 1245 1318 1464 int. 57.3 718 888 1154 1269 1409 1498 1520 peak 669 838 1036 1346.3 1450.3 1643.3 1618.8 1665 Max. output (kw) Rated 18.7 23.4 23.2 23.3 21.4 20.4 18.2 15.3 cont. 27.7

34.9	34.5	34.9	31.2	28.8	25.301	22.2	int.	32	40
40	40	35	35	27.5	26.8	Max. pressure			
Drop		(Mpa)	Rated	16	16	16	16	15	14
12	10.5								
cont.	20	20	20	20	18	16	14	12.5	int.
24	24	24	24						
21	18	16	13	peak	28	28	28	28	24
21	19	16							
Max. flow (L/m)	Rated	80	100	100	100	100	100	100	100
100	cont.	100	125	125	125	125	125	125	int.
125	150	150	150	150	150	150	150	150	Max. inlet
pressure (Mpa)	Rated	21	21	21	21	21	21	21	21
cont.	21	21	21	21	21	21	21	21	int.
25	25	25	25	25	25	25	25	25	25
25	25	25	25	peak	30	30	30	30	30
30	30	30	30	30	30	30	30	30	30
Weight	(kg)	20	21	21	21	23	24	25	26
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