



**BGM**



***MOTORI ORBITALI***

**ORBITAL MOTORS**

# CARATTERISTICHE TECNICHE TECHNICAL SPECIFICATIONS

Motore Motor	Cilindrata Displacement cm <sup>3</sup> /giro [in <sup>3</sup> /rev]	Max. pressione in ingresso Max. input pressure bar [psi]		Pressione diff. max. Max. differential pressure bar [psi]		Coppia max.* Max. torque* Nm [lbf-ft]		Portata max. Max. flow l/min [U.S. gpm]		Velocità max. Max. speed rpm		Potenza max. Max. power kW [hp]	
		Cont Int <sup>1)</sup> Peak <sup>2)</sup>	140 [2030] 175 [2537] 225 [3265]	Cont Int <sup>1)</sup> Peak <sup>2)</sup>	100 [1450] 140 [2030] 200 [2900]	Cont Int <sup>1)</sup> Peak <sup>2)</sup>	16 [11.7] 23 [16.9] 33 [24.3]	Cont Int <sup>1)</sup>	20 [5.28] 25 [6.60]	Cont Int <sup>1)</sup>	1550 1935	Cont Int <sup>1)</sup>	2.3 [3.08] 3.2 [4.28]
BGM 013	12.9 [0.78]	Cont Int <sup>1)</sup> Peak <sup>2)</sup>	140 [2030] 175 [2537] 225 [3265]	Cont Int <sup>1)</sup> Peak <sup>2)</sup>	100 [1450] 140 [2030] 200 [2900]	Cont Int <sup>1)</sup> Peak <sup>2)</sup>	16 [11.7] 23 [16.9] 33 [24.3]	Cont Int <sup>1)</sup>	20 [5.28] 25 [6.60]	Cont Int <sup>1)</sup>	1550 1935	Cont Int <sup>1)</sup>	2.3 [3.08] 3.2 [4.28]
BGM 020	20 [1.22]	Cont Int <sup>1)</sup> Peak <sup>2)</sup>	140 [2030] 175 [2537] 225 [3265]	Cont Int <sup>1)</sup> Peak <sup>2)</sup>	100 [1450] 140 [2030] 200 [2900]	Cont Int <sup>1)</sup> Peak <sup>2)</sup>	25 [18.4] 35 [25.7] 51 [37.5]	Cont Int <sup>1)</sup>	20 [5.28] 25 [6.60]	Cont Int <sup>1)</sup>	1000 1250	Cont Int <sup>1)</sup>	2.3 [3.08] 3.3 [4.42]
BGM 032	31.8 [1.93]	Cont Int <sup>1)</sup> Peak <sup>2)</sup>	140 [2030] 175 [2537] 225 [3265]	Cont Int <sup>1)</sup> Peak <sup>2)</sup>	100 [1450] 140 [2030] 160 [2320]	Cont Int <sup>1)</sup> Peak <sup>2)</sup>	39 [28.7] 54 [39.7] 60 [44.2]	Cont Int <sup>1)</sup>	20 [5.28] 25 [6.60]	Cont Int <sup>1)</sup>	625 785	Cont Int <sup>1)</sup>	2.3 [3.08] 2.8 [3.75]
BGM 040	40.1 [2.44]	Cont Int <sup>1)</sup> Peak <sup>2)</sup>	140 [2030] 175 [2537] 225 [3265]	Cont Int <sup>1)</sup> Peak <sup>2)</sup>	100 [1450] 140 [2030] 160 [2320]	Cont Int <sup>1)</sup> Peak <sup>2)</sup>	50 [36.8] 67 [49.3] 76 [56.0]	Cont Int <sup>1)</sup>	20 [5.28] 25 [6.60]	Cont Int <sup>1)</sup>	495 620	Cont Int <sup>1)</sup>	1.8 [2.41] 2.5 [3.35]
BGM 050	50 [3.05]	Cont Int <sup>1)</sup> Peak <sup>2)</sup>	140 [2030] 175 [2537] 225 [3265]	Cont Int <sup>1)</sup> Peak <sup>2)</sup>	80 [1160] 140 [2030] 160 [2320]	Cont Int <sup>1)</sup> Peak <sup>2)</sup>	49 [36.1] 83 [61.1] 94 [69.2]	Cont Int <sup>1)</sup>	20 [5.28] 25 [6.60]	Cont Int <sup>1)</sup>	400 500	Cont Int <sup>1)</sup>	1.8 [2.41] 2.4 [3.21]

<sup>1)</sup> Le condizioni intermittenti non devono durare più del 10% di ogni minuto / Intermittent duty must not exceed 10% each minute.

<sup>2)</sup> Le condizioni di picco non devono durare più del 1% di ogni minuto / Peak duty must not exceed 1% each minute.

Motore Motor	Pressione max scar. con drenaggio Max return pressure with drain line bar [psi]		Pressione max avviamento a vuoto Max starting pressure with no load bar [psi]		Coppia minima di spunto Min starting torque Nm [lbf-ft]	
	Cont Int <sup>1)</sup> Peak <sup>2)</sup>	140 [2030] 175 [2537] 225 [3265]	Cont Int <sup>1)</sup> Peak <sup>2)</sup>	100 [1450] 140 [2030] 200 [2900]	A press. diff. Max At max Δp	Cont Int <sup>1)</sup>
BGM 013	Cont Int <sup>1)</sup> Peak <sup>2)</sup>	140 [2030] 175 [2537] 225 [3265]	Cont Int <sup>1)</sup> Peak <sup>2)</sup>	100 [1450] 140 [2030] 200 [2900]	A press. diff. Max At max Δp	Cont Int <sup>1)</sup>
BGM 020	Cont Int <sup>1)</sup> Peak <sup>2)</sup>	140 [2030] 175 [2537] 225 [3265]	Cont Int <sup>1)</sup> Peak <sup>2)</sup>	100 [1450] 140 [2030] 200 [2900]	A press. diff. Max At max Δp	Cont Int <sup>1)</sup>
BGM 032	Cont Int <sup>1)</sup> Peak <sup>2)</sup>	140 [2030] 175 [2537] 225 [3265]	Cont Int <sup>1)</sup> Peak <sup>2)</sup>	100 [1450] 140 [2030] 160 [2320]	A press. diff. Max At max Δp	Cont Int <sup>1)</sup>
BGM 040	Cont Int <sup>1)</sup> Peak <sup>2)</sup>	140 [2030] 175 [2537] 225 [3265]	Cont Int <sup>1)</sup> Peak <sup>2)</sup>	100 [1450] 140 [2030] 160 [2320]	A press. diff. Max At max Δp	Cont Int <sup>1)</sup>
BGM 050	Cont Int <sup>1)</sup> Peak <sup>2)</sup>	140 [2030] 175 [2537] 225 [3265]	Cont Int <sup>1)</sup> Peak <sup>2)</sup>	80 [1160] 140 [2030] 160 [2320]	A press. diff. Max At max Δp	Cont Int <sup>1)</sup>

## MASSIMA PRESSIONE AMMESSA SULLA GUARNIZIONE ALBERO MAX PERMISSIBLE SHAFT SEAL PRESSURE

Pressione massima di scarico senza drenaggio o massima pressione nella linea di drenaggio. I motori sono forniti nella versione con guarnizioni standard (diagramma Standard) o nella versione con guarnizioni ad alta pressione (diagramma HPS). Per condizioni di pressione e velocità non contemplate dal presente grafico si consiglia di contattare la S.A.M. Hydraulik.

Max. return pressure without drain line or max. pressure in the drain line. Motor are supplied in standard seal version (Standard chart) or in HPS seal version (HPS chart). For pressure and speeds not showed in the curve below, please contact S.A.M. Hydraulik.

