

BG - BH



MOTORI ORBITALI

ORBITAL MOTORS

DATI TECNICI PER MOTORE BG CON ALBERI CL250-CL254 BG MOTOR TECHNICAL DATA WITH CL250-CL254 PARALLEL KEYED SHAFT

Motore Motor	Cilindrata Displacement	Pressione max ingresso Max. input pressure		Pressione diff. max. Max. differential pressure		Coppia max. Max. torque		Portata max. Max. flow		Velocità max. Max. speed		Potenza max. Max. power	
	cm³/rev [in³/rev]	bar [psi]		bar [psi]		Nm [lbf-ft]		l/min [U.S. gpm]		giri/min [rpm]		kW [hp]	
BG 050	47.8 [2.91]	Cont	165 [2392]	Cont	140 [2030]	Cont	91 [67.1]	Cont	60 [15.9]	Cont	1220	Cont	10 [13.4]
		Int ⁽¹⁾	200 [2900]	Int ⁽¹⁾	175 [2540]	Int ⁽¹⁾	115 [84.7]	Int ⁽¹⁾	75 [19.8]	Int ⁽¹⁾	1530	Int ⁽¹⁾	12 [16.1]
		Peak ⁽²⁾	225 [3262]	Peak ⁽²⁾	225 [3262]								
BG 080	71.9 [4.38]	Cont	165 [2392]	Cont	140 [2030]	Cont	135 [99.5]	Cont	60 [15.9]	Cont	820	Cont	9.5 [12.7]
		Int ⁽¹⁾	200 [2900]	Int*	175 [2540]	Int*	175 [128.9]	Int ⁽¹⁾	75 [19.8]	Int ⁽¹⁾	1025	Int ⁽¹⁾	12 [16.1]
		Peak ⁽²⁾	225 [3262]	Peak ⁽²⁾	225 [3262]								
BG 100	100.1 [6.10]	Cont	165 [2392]	Cont	140 [2030]	Cont	190 [140]	Cont	60 [15.9]	Cont	590	Cont	10.5 [14]
		Int ⁽¹⁾	200 [2900]	Int ⁽¹⁾	175 [2540]	Int ⁽¹⁾	230 [169.5]	Int ⁽¹⁾	75 [19.8]	Int ⁽¹⁾	740	Int ⁽¹⁾	13 [17.4]
		Peak ⁽²⁾	225 [3262]	Peak ⁽²⁾	225 [3262]								
BG 130	127.2 [7.76]	Cont	165 [2392]	Cont	140 [2030]	Cont	240 [176.8]	Cont	60 [15.9]	Cont	465	Cont	10 [13.4]
		Int ⁽¹⁾	200 [2900]	Int ⁽¹⁾	175 [2540]	Int ⁽¹⁾	290 [213.7]	Int ⁽¹⁾	75 [19.8]	Int ⁽¹⁾	585	Int ⁽¹⁾	12 [16.1]
		Peak ⁽²⁾	225 [3262]	Peak ⁽²⁾	225 [3262]								
BG 160	165.3 [10.08]	Cont	165 [2392]	Cont	140 [2030]	Cont	300 [221.1]	Cont	60 [15.9]	Cont	355	Cont	10 [13.4]
		Int ⁽¹⁾	200 [2900]	Int ⁽¹⁾	175 [2540]	Int ⁽¹⁾	370 [272.6]	Int ⁽¹⁾	75 [19.8]	Int ⁽¹⁾	445	Int ⁽¹⁾	12 [16.1]
		Peak ⁽²⁾	225 [3262]	Peak ⁽²⁾	225 [3262]								
BG 200	192.4 [11.73]	Cont	165 [2392]	Cont	115 [1670]	Cont	300 [221.1]	Cont	60 [15.9]	Cont	305	Cont	8 [10.7]
		Int ⁽¹⁾	200 [2900]	Int ⁽¹⁾	160 [2320]	Int ⁽¹⁾	390 [287.4]	Int ⁽¹⁾	75 [19.8]	Int ⁽¹⁾	380	Int ⁽¹⁾	15 [20.1]
		Peak ⁽²⁾	225 [3262]	Peak ⁽²⁾	200 [2900]								
BG 250	239.1 [14.58]	Cont	165 [2392]	Cont	95 [1377]	Cont	300 [221.1]	Cont	60 [15.9]	Cont	245	Cont	6 [8.1]
		Int ⁽¹⁾	195 [2827]	Int ⁽¹⁾	125 [1810]	Int ⁽¹⁾	400 [294.8]	Int ⁽¹⁾	75 [19.8]	Int ⁽¹⁾	305	Int ⁽¹⁾	8 [10.7]
		Peak ⁽²⁾	225 [3262]	Peak ⁽²⁾	180 [2610]								
BG 315	286.9 [17.50]	Cont	165 [2392]	Cont	80 [1160]	Cont	300 [221.1]	Cont	60 [15.9]	Cont	205	Cont	5 [6.7]
		Int ⁽¹⁾	195 [2827]	Int ⁽¹⁾	105 [1522]	Int ⁽¹⁾	400 [294.8]	Int ⁽¹⁾	75 [19.8]	Int ⁽¹⁾	255	Int ⁽¹⁾	7 [9.4]
		Peak ⁽²⁾	225 [3262]	Peak ⁽²⁾	160 [2320]								
BG 400	382.5 [23.33]	Cont	165 [2392]	Cont	60 [870]	Cont	300 [221.1]	Cont	60 [15.9]	Cont	150	Cont	4 [5.4]
		Int ⁽¹⁾	195 [2827]	Int ⁽¹⁾	80 [1160]	Int ⁽¹⁾	400 [294.8]	Int ⁽¹⁾	75 [19.8]	Int ⁽¹⁾	190	Int ⁽¹⁾	6 [8.1]
		Peak ⁽²⁾	225 [3262]	Peak ⁽²⁾	130 [1890]								

DATI TECNICI PER MOTORE BG CON ALBERO SD250 BG MOTOR TECHNICAL DATA WITH SD250 SPLINED SHAFT

Motore Tipo Motor Type	Cilindrata Displacement	Pressione max ingresso Max. input pressure		Pressione diff. max. Max. differential pressure		Coppia max. Max. torque		Portata max. Max. flow		Velocità max. Max. speed		Potenza max. Max. power	
	cm³/rev [in³/rev]	bar [psi]		bar [psi]		Nm [lbf-ft]		l/min [U.S. gpm]		giri/min [rpm]		kW [hp]	
BG 050	47.8 [2.91]	Cont	165 [2392]	Cont	140 [2030]	Cont	91 [67.1]	Cont	60 [15.9]	Cont	1220	Cont	10 [13.4]
		Int ⁽¹⁾	200 [2900]	Int ⁽¹⁾	175 [2540]	Int ⁽¹⁾	115 [84.7]	Int ⁽¹⁾	75 [19.8]	Int ⁽¹⁾	1530	Int ⁽¹⁾	12 [16.1]
		Peak ⁽²⁾	225 [3262]	Peak ⁽²⁾	225 [3262]								
BG 080	71.9 [4.38]	Cont	165 [2392]	Cont	140 [2030]	Cont	135 [99.5]	Cont	60 [15.9]	Cont	820	Cont	9.5 [12.7]
		Int ⁽¹⁾	200 [2900]	Int*	175 [2540]	Int*	175 [128.9]	Int ⁽¹⁾	75 [19.8]	Int ⁽¹⁾	1025	Int ⁽¹⁾	12 [16.1]
		Peak ⁽²⁾	225 [3262]	Peak ⁽²⁾	225 [3262]								
BG 100	100.1 [6.10]	Cont	165 [2392]	Cont	140 [2030]	Cont	190 [140]	Cont	60 [15.9]	Cont	590	Cont	10.5 [14]
		Int ⁽¹⁾	200 [2900]	Int ⁽¹⁾	175 [2540]	Int ⁽¹⁾	230 [169.5]	Int ⁽¹⁾	75 [19.8]	Int ⁽¹⁾	740	Int ⁽¹⁾	13 [17.4]
		Peak ⁽²⁾	225 [3262]	Peak ⁽²⁾	225 [3262]								
BG 130	127.2 [7.76]	Cont	165 [2392]	Cont	140 [2030]	Cont	240 [176.8]	Cont	60 [15.9]	Cont	465	Cont	10 [13.4]
		Int ⁽¹⁾	200 [2900]	Int ⁽¹⁾	175 [2540]	Int ⁽¹⁾	290 [213.7]	Int ⁽¹⁾	75 [19.8]	Int ⁽¹⁾	585	Int ⁽¹⁾	12 [16.1]
		Peak ⁽²⁾	225 [3262]	Peak ⁽²⁾	225 [3262]								
BG 160	165.3 [10.08]	Cont	165 [2392]	Cont	140 [2030]	Cont	300 [221.1]	Cont	60 [15.9]	Cont	355	Cont	10 [13.4]
		Int ⁽¹⁾	200 [2900]	Int ⁽¹⁾	175 [2540]	Int ⁽¹⁾	370 [272.7]	Int ⁽¹⁾	75 [19.8]	Int ⁽¹⁾	445	Int ⁽¹⁾	12 [16.1]
		Peak ⁽²⁾	225 [3262]	Peak ⁽²⁾	225 [3262]								
BG 200	192.4 [11.73]	Cont	165 [2392]	Cont	140 [2030]	Cont	360 [265.3]	Cont	60 [15.9]	Cont	305	Cont	10 [13.4]
		Int ⁽¹⁾	200 [2900]	Int ⁽¹⁾	175 [2540]	Int ⁽¹⁾	420 [309.5]	Int ⁽¹⁾	75 [19.8]	Int ⁽¹⁾	380	Int ⁽¹⁾	12 [16.1]
		Peak ⁽²⁾	225 [3262]	Peak ⁽²⁾	225 [3262]								
BG 250	239.1 [14.58]	Cont	165 [2392]	Cont	110 [1595]	Cont	360 [265.3]	Cont	60 [15.9]	Cont	245	Cont	8 [10.7]
		Int ⁽¹⁾	195 [2827]	Int ⁽¹⁾	140 [2030]	Int ⁽¹⁾	440 [324.2]	Int ⁽¹⁾	75 [19.8]	Int ⁽¹⁾	305	Int ⁽¹⁾	10 [13.4]
		Peak ⁽²⁾	225 [3262]	Peak ⁽²⁾	180 [2610]								
BG 315	286.9 [17.50]	Cont	165 [2392]	Cont	90 [1310]	Cont	340 [250.6]	Cont	60 [15.9]	Cont	205	Cont	5.6 [7.8]
		Int ⁽¹⁾	195 [2827]	Int ⁽¹⁾	120 [1740]	Int ⁽¹⁾	440 [324.2]	Int ⁽¹⁾	75 [19.8]	Int ⁽¹⁾	255	Int ⁽¹⁾	7.5 [10.1]
		Peak ⁽²⁾	225 [3262]	Peak ⁽²⁾	160 [2320]								
BG 400	382.5 [23.33]	Cont	165 [2392]	Cont	70 [1020]	Cont	360 [265.3]	Cont	60 [15.9]	Cont	150	Cont	4.7 [6.3]
		Int ⁽¹⁾	195 [2827]	Int ⁽¹⁾	95 [1377]	Int ⁽¹⁾	460 [339]	Int ⁽¹⁾	75 [19.8]	Int ⁽¹⁾	190	Int ⁽¹⁾	6 [8.1]
		Peak ⁽²⁾	225 [3262]	Peak ⁽²⁾	130 [1890]								

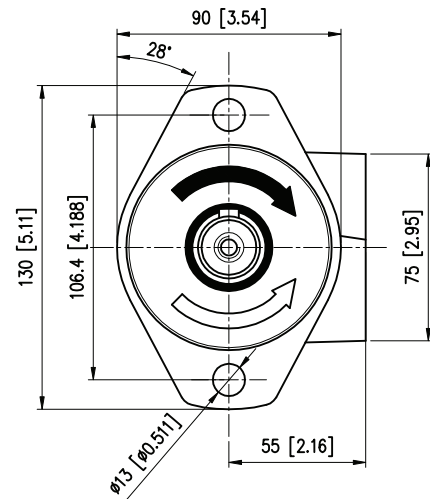
MOTORE MOTOR		Press.max.scar.con dren. Max return pressure with drain line bar [psi]	Press.max.avviam.a vuoto Max starting pressure with no load bar [psi]	Coppia minima di spunto Min starting torque Nm [lbf ft]		
BG	050	140 [2030]	10 [145]	A press. diff. max At max Δp	Cont. Int.	70 [51.6] 90 [66.3]
BG	080	140 [2030]	10 [145]	A press. diff. max At max Δp	Cont. Int.	105 [77.4] 135 [99.5]
BG	100	140 [2030]	10 [145]	A press. diff. max At max Δp	Cont. Int.	150 [111] 190 [140]
BG	130	140 [2030]	9 [131]	A press. diff. max At max Δp	Cont. Int.	190 [140] 240 [177]
BG	160	140 [2030]	8 [116]	A press. diff. max At max Δp	Cont. Int.	250 [184] 315 [232]
BG	200	140 [2030]	7 [102]	A press. diff. max At max Δp	Cont. Int.	255 [188] 320 [236]
BG	250	140 [2030]	6 [87]	A press. diff. max At max Δp	Cont. Int.	265 [195] 345 [254]
BG	315	140 [2030]	6 [87]	A press. diff. max At max Δp	Cont. Int.	250 [184] 330 [243]
BG	400	140 [2030]	6 [87]	A press. diff. max At max Δp	Cont. Int.	265 [195] 355 [262]

1) Le condizioni intermittenti non devono durare più del 10% di ogni minuto. Intermittent duty must not exceed 10% every minute.

2) Le condizioni di picco non devono durare più del 1% di ogni minuto. Peak duty must not exceed 1% of every minute.

3) Viscosità dell'olio 35 cSt. - Oil viscosity 35 cSt.

Attacchi R08 Main ports



- Per le dimensioni degli alberi vedere pagina C/14
For shafts dimensions see page C/14

		BG E 050	BG E 080	BG E 100	BG E 130	BG E 160	BG E 200	BG E 250	BG E 315	BG E 400
A	mm [in]	127.7 [5.03]	130.9 [5.15]	134.7 [5.30]	138.2 [5.44]	143.3 [5.64]	146.9 [5.78]	153.1 [6.02]	159.5 [6.27]	172.2 [6.78]
B	mm [in]	6.3 [0.248]	9.5 [0.374]	13.3 [0.523]	16.2 [0.63]	21.9 [0.86]	25.5 [1.003]	31.7 [1.24]	38.1 [1.50]	50.8 [2.00]
Peso - Weight	kg [lb]	5.5 [12.1]	5.6 [12.3]	5.8 [12.8]	5.9 [13.0]	6.1 [13.4]	6.3 [13.9]	6.5 [14.3]	6.8 [15.0]	7.3 [16.1]