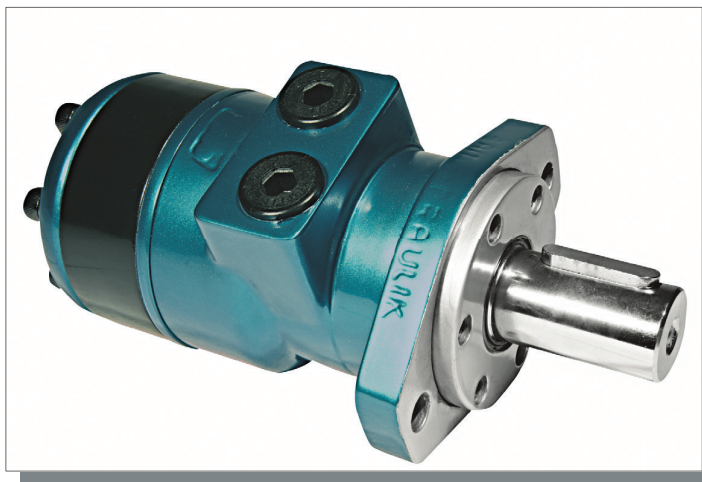


BR - BS



MOTORI ORBITALI

ORBITAL MOTORS

DATI TECNICI PER MOTORE BR CON ALBERI CILINDRICI CL250 E LC254
BR MOTOR TECHNICAL DATA WITH CL250 AND LC254 PARALLEL KEYS SHAFT

Motore Motor	Cilindrata Displacement cm ³ /rev [in ³ /rev]	Pressione max 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 giri/min [rpm]		Potenza max. Max. power kW [hp]	
		Cont Int ⁽¹⁾ Peak ⁽²⁾	175 [2537] 200 [2900] 225 [3262]	Cont Int ⁽¹⁾ Peak ⁽²⁾	140 [2030] 175 [2540] 225 [3262]	Cont Int ⁽¹⁾	103 [75.9] 126 [92.8]	Cont Int ⁽¹⁾	40 [10.6] 50 [13.2]	Cont Int ⁽¹⁾	775 969	Cont Int ⁽¹⁾	6.8 [9.1] 8.4 [11.2]
BR 050	51.6 [3.14]	Cont Int ⁽¹⁾ Peak ⁽²⁾	175 [2537] 200 [2900] 225 [3262]	Cont Int ⁽¹⁾ Peak ⁽²⁾	140 [2030] 175 [2540] 225 [3262]	Cont Int ⁽¹⁾	103 [75.9] 126 [92.8]	Cont Int ⁽¹⁾	40 [10.6] 50 [13.2]	Cont Int ⁽¹⁾	775 969	Cont Int ⁽¹⁾	6.8 [9.1] 8.4 [11.2]
BR 065	64.9 [3.95]	Cont Int ⁽¹⁾ Peak ⁽²⁾	175 [2537] 200 [2900] 225 [3262]	Cont Int ⁽¹⁾ Peak ⁽²⁾	150 [2175] 185 [2682] 225 [3262]	Cont Int ⁽¹⁾	140 [103.1] 166 [122.3]	Cont Int ⁽¹⁾	50 [13.2] 60 [15.9]	Cont Int ⁽¹⁾	770 924	Cont Int ⁽¹⁾	9.2 [12.3] 10.6 [14.2]
BR 080	80.4 [4.9]	Cont Int ⁽¹⁾ Peak ⁽²⁾	175 [2537] 200 [2900] 225 [3262]	Cont Int ⁽¹⁾ Peak ⁽²⁾	175 [2537] 200 [2900] 225 [3262]	Cont Int ⁽¹⁾	197 [145.1] 218 [160.6]	Cont Int ⁽¹⁾	60 [15.9] 75 [19.8]	Cont Int ⁽¹⁾	746 933	Cont Int ⁽¹⁾	13 [17.4] 15 [20.1]
BR 100	100 [6.1]	Cont Int ⁽¹⁾ Peak ⁽²⁾	175 [2537] 200 [2900] 225 [3262]	Cont Int ⁽¹⁾ Peak ⁽²⁾	175 [2537] 200 [2900] 225 [3262]	Cont Int ⁽¹⁾	237 [174.6] 277 [204.1]	Cont Int ⁽¹⁾	60 [15.9] 75 [19.8]	Cont Int ⁽¹⁾	600 750	Cont Int ⁽¹⁾	13 [17.4] 15 [20.1]
BR 130	125.7 [7.66]	Cont Int ⁽¹⁾ Peak ⁽²⁾	175 [2537] 200 [2900] 225 [3262]	Cont Int ⁽¹⁾ Peak ⁽²⁾	175 [2537] 200 [2900] 225 [3262]	Cont Int ⁽¹⁾	300 [221.1] 340 [250.5]	Cont Int ⁽¹⁾	60 [15.9] 75 [19.8]	Cont Int ⁽¹⁾	477 597	Cont Int ⁽¹⁾	12.5 [16.8] 14.5 [19.4]
BR 160	160 [9.76]	Cont Int ⁽¹⁾ Peak ⁽²⁾	175 [2537] 200 [2900] 225 [3262]	Cont Int ⁽¹⁾ Peak ⁽²⁾	140 [2030] 175 [2540] 225 [3262]	Cont Int ⁽¹⁾	296 [218.1] 375 [276.3]	Cont Int ⁽¹⁾	60 [15.9] 75 [19.8]	Cont Int ⁽¹⁾	375 469	Cont Int ⁽¹⁾	10 [13.4] 12.5 [16.8]
BR 200	200 [12.2]	Cont Int ⁽¹⁾ Peak ⁽²⁾	175 [2537] 200 [2900] 225 [3262]	Cont Int ⁽¹⁾ Peak ⁽²⁾	115 [1667] 140 [2030] 225 [3262]	Cont Int ⁽¹⁾	297 [218.8] 380 [280]	Cont Int ⁽¹⁾	60 [15.9] 75 [19.8]	Cont Int ⁽¹⁾	300 375	Cont Int ⁽¹⁾	8.5 [11] 10 [13.4]
BR 250	250 [15.2]	Cont Int ⁽¹⁾ Peak ⁽²⁾	175 [2537] 200 [2900] 225 [3262]	Cont Int ⁽¹⁾ Peak ⁽²⁾	90 [1305] 120 [1740] 225 [3262]	Cont Int ⁽¹⁾	297 [218.8] 377 [277.8]	Cont Int ⁽¹⁾	60 [15.9] 75 [19.8]	Cont Int ⁽¹⁾	240 300	Cont Int ⁽¹⁾	7.1 [9.5] 8.5 [11]
BR 315	314.5 [19.1]	Cont Int ⁽¹⁾ Peak ⁽²⁾	175 [2537] 200 [2900] 225 [3262]	Cont Int ⁽¹⁾ Peak ⁽²⁾	70 [1020] 100 [1450] 210 [3045]	Cont Int ⁽¹⁾	300 [221.1] 420 [309.5]	Cont Int ⁽¹⁾	60 [15.9] 75 [19.8]	Cont Int ⁽¹⁾	191 238	Cont Int ⁽¹⁾	5 [6.7] 6.6 [8.8]
BR 400	393 [23.9]	Cont Int ⁽¹⁾ Peak ⁽²⁾	175 [2537] 200 [2900] 225 [3262]	Cont Int ⁽¹⁾ Peak ⁽²⁾	55 [800] 85 [1230] 175 [2537]	Cont Int ⁽¹⁾	292 [215.2] 425 [313.2]	Cont Int ⁽¹⁾	60 [15.9] 75 [19.8]	Cont Int ⁽¹⁾	153 191	Cont Int ⁽¹⁾	4.1 [5.4] 6.1 [8.1]

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

Motore Motor	Cilindrata Displacement cm ³ /rev [in ³ /rev]	Pressione max 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 giri/min [rpm]		Potenza max. Max. power kW [hp]	
		Cont Int ⁽¹⁾ Peak ⁽²⁾	175 [2537] 200 [2900] 225 [3262]	Cont Int ⁽¹⁾ Peak ⁽²⁾	140 [2030] 175 [2540] 225 [3262]	Cont Int ⁽¹⁾	103 [75.9] 126 [92.8]	Cont Int ⁽¹⁾	40 [10.6] 50 [13.2]	Cont Int ⁽¹⁾	775 969	Cont Int ⁽¹⁾	6.8 [9.1] 8.4 [11.2]
BR 050	51.6 [3.14]	Cont Int ⁽¹⁾ Peak ⁽²⁾	175 [2537] 200 [2900] 225 [3262]	Cont Int ⁽¹⁾ Peak ⁽²⁾	140 [2030] 175 [2540] 225 [3262]	Cont Int ⁽¹⁾	103 [75.9] 126 [92.8]	Cont Int ⁽¹⁾	40 [10.6] 50 [13.2]	Cont Int ⁽¹⁾	775 969	Cont Int ⁽¹⁾	6.8 [9.1] 8.4 [11.2]
BR 065	64.9 [3.95]	Cont Int ⁽¹⁾ Peak ⁽²⁾	175 [2537] 200 [2900] 225 [3262]	Cont Int ⁽¹⁾ Peak ⁽²⁾	150 [2175] 185 [2682] 225 [3262]	Cont Int ⁽¹⁾	140 [103.1] 166 [122.3]	Cont Int ⁽¹⁾	50 [13.2] 60 [15.9]	Cont Int ⁽¹⁾	770 924	Cont Int ⁽¹⁾	9.2 [12.3] 10.6 [14.2]
BR 080	80.4 [4.9]	Cont Int ⁽¹⁾ Peak ⁽²⁾	175 [2537] 200 [2900] 225 [3262]	Cont Int ⁽¹⁾ Peak ⁽²⁾	175 [2537] 200 [2900] 225 [3262]	Cont Int ⁽¹⁾	197 [145.1] 218 [160.6]	Cont Int ⁽¹⁾	60 [15.9] 75 [19.8]	Cont Int ⁽¹⁾	746 933	Cont Int ⁽¹⁾	13 [17.4] 15 [20.1]
BR 100	100 [6.1]	Cont Int ⁽¹⁾ Peak ⁽²⁾	175 [2537] 200 [2900] 225 [3262]	Cont Int ⁽¹⁾ Peak ⁽²⁾	175 [2537] 200 [2900] 225 [3262]	Cont Int ⁽¹⁾	237 [174.6] 277 [204.1]	Cont Int ⁽¹⁾	60 [15.9] 75 [19.8]	Cont Int ⁽¹⁾	600 750	Cont Int ⁽¹⁾	13 [17.4] 15 [20.1]
BR 130	125.7 [7.66]	Cont Int ⁽¹⁾ Peak ⁽²⁾	175 [2537] 200 [2900] 225 [3262]	Cont Int ⁽¹⁾ Peak ⁽²⁾	175 [2537] 200 [2900] 225 [3262]	Cont Int ⁽¹⁾	300 [221.1] 340 [250.5]	Cont Int ⁽¹⁾	60 [15.9] 75 [19.8]	Cont Int ⁽¹⁾	477 597	Cont Int ⁽¹⁾	12.5 [16.8] 14.5 [19.4]
BR 160	160 [9.76]	Cont Int ⁽¹⁾ Peak ⁽²⁾	175 [2537] 200 [2900] 225 [3262]	Cont Int ⁽¹⁾ Peak ⁽²⁾	165 [2390] 200 [2900] 225 [3262]	Cont Int ⁽¹⁾	350 [257.9] 428 [315.4]	Cont Int ⁽¹⁾	60 [15.9] 75 [19.8]	Cont Int ⁽¹⁾	375 469	Cont Int ⁽¹⁾	11.8 [15.8] 14.3 [19.1]
BR 200	200 [12.2]	Cont Int ⁽¹⁾ Peak ⁽²⁾	175 [2537] 200 [2900] 225 [3262]	Cont Int ⁽¹⁾ Peak ⁽²⁾	130 [1890] 165 [2390] 225 [3262]	Cont Int ⁽¹⁾	335 [246.8] 446 [328.7]	Cont Int ⁽¹⁾	60 [15.9] 75 [19.8]	Cont Int ⁽¹⁾	300 375	Cont Int ⁽¹⁾	9.7 [12.9] 12 [16]
BR 250	250 [15.2]	Cont Int ⁽¹⁾ Peak ⁽²⁾	175 [2537] 200 [2900] 225 [3262]	Cont Int ⁽¹⁾ Peak ⁽²⁾	105 [1522] 135 [1957] 225 [3262]	Cont Int ⁽¹⁾	347 [255.7] 424 [312.4]	Cont Int ⁽¹⁾	60 [15.9] 75 [19.8]	Cont Int ⁽¹⁾	240 300	Cont Int ⁽¹⁾	8.3 [11.1] 9.6 [12.8]
BR 315	314.5 [19.1]	Cont Int ⁽¹⁾ Peak ⁽²⁾	175 [2537] 200 [2900] 225 [3262]	Cont Int ⁽¹⁾ Peak ⁽²⁾	85 [1232] 115 [1670] 210 [3045]	Cont Int ⁽¹⁾	362 [266.7] 484 [356.7]	Cont Int ⁽¹⁾	60 [15.9] 75 [19.8]	Cont Int ⁽¹⁾	191 238	Cont Int ⁽¹⁾	6 [8] 7.6 [10.1]
BR 400	393 [23.9]	Cont Int ⁽¹⁾ Peak ⁽²⁾	175 [2537] 200 [2900] 225 [3262]	Cont Int ⁽¹⁾ Peak ⁽²⁾	65 [942] 90 [1310] 175 [2537]	Cont Int ⁽¹⁾	345 [254.2] 450 [331.6]	Cont Int ⁽¹⁾	60 [15.9] 75 [19.8]	Cont Int ⁽¹⁾	153 191	Cont Int ⁽¹⁾	4.9 [6.5] 6.5 [8.7]

DATI TECNICI PER MOTORE BR CON ALBERI CILINDRICI CL320, C3175 E CONICO CN320
BR MOTOR TECHNICAL DATA WITH CL320, C3175 PARALLEL KEYED SHAFT AND CN320 TAPERED SHAFT

Motore Motor	Cilindrata Displacement cm ³ /rev [in ³ /rev]	Pressione max 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 giri/min [rpm]		Potenza max. Max. power kW [hp]	
		Cont Int ¹⁾ Peak ²⁾	175 [2537] 200 [2900] 225 [3262]	Cont Int ¹⁾ Peak ²⁾	175 [2537] 200 [2900] 225 [3262]	Cont Int ¹⁾	103 [75.9] 126 [92.8]	Cont Int ¹⁾	40 [10.6] 50 [13.2]	Cont Int ¹⁾	775 969	Cont Int ¹⁾	6.8 [9.1] 8.4 [11.2]
BR 050	51.6 [3.14]	Cont Int ¹⁾ Peak ²⁾	175 [2537] 200 [2900] 225 [3262]	Cont Int ¹⁾ Peak ²⁾	140 [2030] 175 [2540] 225 [3262]	Cont Int ¹⁾	103 [75.9] 126 [92.8]	Cont Int ¹⁾	40 [10.6] 50 [13.2]	Cont Int ¹⁾	775 969	Cont Int ¹⁾	6.8 [9.1] 8.4 [11.2]
BR 065	64.9 [3.95]	Cont Int ¹⁾ Peak ²⁾	175 [2537] 200 [2900] 225 [3262]	Cont Int ¹⁾ Peak ²⁾	150 [2175] 185 [2682] 225 [3262]	Cont Int ¹⁾	140 [103.1] 166 [122.3]	Cont Int ¹⁾	50 [13.2] 60 [15.9]	Cont Int ¹⁾	770 924	Cont Int ¹⁾	9.2 [12.3] 10.6 [14.2]
BR 080	80.4 [4.9]	Cont Int ¹⁾ Peak ²⁾	175 [2537] 200 [2900] 225 [3262]	Cont Int ¹⁾ Peak ²⁾	175 [2537] 200 [2900] 225 [3262]	Cont Int ¹⁾	197 [145.1] 218 [160.6]	Cont Int ¹⁾	60 [15.9] 75 [19.8]	Cont Int ¹⁾	746 933	Cont Int ¹⁾	13 [17.4] 15 [20.1]
BR 100	100 [6.1]	Cont Int ¹⁾ Peak ²⁾	175 [2537] 200 [2900] 225 [3262]	Cont Int ¹⁾ Peak ²⁾	175 [2537] 200 [2900] 225 [3262]	Cont Int ¹⁾	237 [174.6] 277 [204.1]	Cont Int ¹⁾	60 [15.9] 75 [19.8]	Cont Int ¹⁾	600 750	Cont Int ¹⁾	13 [17.4] 15 [20.1]
BR 130	125.7 [7.66]	Cont Int ¹⁾ Peak ²⁾	175 [2537] 200 [2900] 225 [3262]	Cont Int ¹⁾ Peak ²⁾	175 [2537] 200 [2900] 225 [3262]	Cont Int ¹⁾	300 [221.1] 340 [250.5]	Cont Int ¹⁾	60 [15.9] 75 [19.8]	Cont Int ¹⁾	477 597	Cont Int ¹⁾	12.5 [16.8] 14.5 [19.4]
BR 160	160 [9.76]	Cont Int ¹⁾ Peak ²⁾	175 [2537] 200 [2900] 225 [3262]	Cont Int ¹⁾ Peak ²⁾	175 [2537] 200 [2900] 225 [3262]	Cont Int ¹⁾	370 [272.6] 428 [315.4]	Cont Int ¹⁾	60 [15.9] 75 [19.8]	Cont Int ¹⁾	375 469	Cont Int ¹⁾	12.5 [16.8] 14.3 [19.1]
BR 200	200 [12.2]	Cont Int ¹⁾ Peak ²⁾	175 [2537] 200 [2900] 225 [3262]	Cont Int ¹⁾ Peak ²⁾	175 [2537] 200 [2900] 225 [3262]	Cont Int ¹⁾	450 [331.6] 540 [397.9]	Cont Int ¹⁾	60 [15.9] 75 [19.8]	Cont Int ¹⁾	300 375	Cont Int ¹⁾	13.4 [17.9] 14.4 [19.2]
BR 250	250 [15.2]	Cont Int ¹⁾ Peak ²⁾	175 [2537] 200 [2900] 225 [3262]	Cont Int ¹⁾ Peak ²⁾	175 [2537] 200 [2900] 225 [3262]	Cont Int ¹⁾	578 [425.9] 630 [464.3]	Cont Int ¹⁾	60 [15.9] 75 [19.8]	Cont Int ¹⁾	240 300	Cont Int ¹⁾	13.8 [18.4] 14.2 [19]
BR 315	314.5 [19.1]	Cont Int ¹⁾ Peak ²⁾	175 [2537] 200 [2900] 225 [3262]	Cont Int ¹⁾ Peak ²⁾	135 [1960] 175 [2537] 210 [3045]	Cont Int ¹⁾	575 [423.7] 736 [542.4]	Cont Int ¹⁾	60 [15.9] 75 [19.8]	Cont Int ¹⁾	191 238	Cont Int ¹⁾	9.6 [12.8] 11.5 [15.4]
BR 400	393 [23.9]	Cont Int ¹⁾ Peak ²⁾	175 [2537] 200 [2900] 225 [3262]	Cont Int ¹⁾ Peak ²⁾	115 [1670] 150 [2180] 175 [2537]	Cont Int ¹⁾	612 [451] 750 [552.7]	Cont Int ¹⁾	60 [15.9] 75 [19.8]	Cont Int ¹⁾	153 191	Cont Int ¹⁾	8.6 [11.5] 10.8 [14.4]

Motore Motor	Max press. di scarico con drenaggio aperto Max back pressure with drain line bar[psi]		Pressione max avviamento a vuoto Max starting pressure in unloaded conditions bar[psi]		Coppia min di spunto Min starting torque Nm[lbf-ft]		Portata di drenaggio ⁴⁾ Oil flow in the drain [line ⁴⁾ l/min [U.S. gpm]		Velocità minima ⁵⁾ Min speed ⁵⁾ rpm	
	Cont Int ¹⁾ Peak ²⁾	175 [2538] 200 [2900] 225 [3263]	10 [145]	at Δp max at Δp max	Cont Int ¹⁾	75[55.3] 95[70.0]	at Δp=100bar[1450psi] at Δp=140bar[2030psi]	0.7[0.2] 1.6[0.4]	10	
BR 050	Cont Int ¹⁾ Peak ²⁾	175 [2538] 200 [2900] 225 [3263]	10 [145]	at Δp max at Δp max	Cont Int ¹⁾	75[55.3] 95[70.0]	at Δp=100bar[1450psi] at Δp=140bar[2030psi]	0.7[0.2] 1.6[0.4]	10	
BR 065	Cont Int ¹⁾ Peak ²⁾	175 [2538] 200 [2900] 225 [3263]	10 [145]	at Δp max at Δp max	Cont Int ¹⁾	120[88.4] 140[103.1]	at Δp=100bar[1450psi] at Δp=140bar[2030psi]	0.7[0.2] 1.6[0.4]	10	
BR 080	Cont Int ¹⁾ Peak ²⁾	175 [2538] 200 [2900] 225 [3263]	10 [145]	at Δp max at Δp max	Cont Int ¹⁾	160[118] 180[133]	at Δp=100bar[1450psi] at Δp=140bar[2030psi]	0.7[0.2] 1.6[0.4]	10	
BR 100	Cont Int ¹⁾ Peak ²⁾	175 [2538] 200 [2900] 225 [3263]	10 [145]	at Δp max at Δp max	Cont Int ¹⁾	200[147] 225[166]	at Δp=100bar[1450psi] at Δp=140bar[2030psi]	0.7[0.2] 1.6[0.4]	10	
BR 130	Cont Int ¹⁾ Peak ²⁾	175 [2538] 200 [2900] 225 [3263]	9 [131]	at Δp max at Δp max	Cont Int ¹⁾	255[188] 290[214]	at Δp=100bar[1450psi] at Δp=140bar[2030psi]	0.7[0.2] 1.6[0.4]	10	
BR 160	Cont Int ¹⁾ Peak ²⁾	175 [2538] 200 [2900] 225 [3263]	7 [102]	at Δp max at Δp max	Cont Int ¹⁾	310(250)[228(184)] ³⁾ 360(300)[265(221)] ³⁾	at Δp=100bar[1450psi] at Δp=140bar[2030psi]	0.7[0.2] 1.6[0.4]	10	
BR 200	Cont Int ¹⁾ Peak ²⁾	175 [2538] 200 [2900] 225 [3263]	5 [72.5]	at Δp max at Δp max	Cont Int ¹⁾	390(250)[287(184)] ³⁾ 450(320)[332(236)] ³⁾	at Δp=100bar[1450psi] at Δp=140bar[2030psi]	1.5[0.4] 3.0[0.8]	10	
BR 250	Cont Int ¹⁾ Peak ²⁾	175 [2538] 200 [2900] 225 [3263]	5 [72.5]	at Δp max at Δp max	Cont Int ¹⁾	490(250)[361(184)] ³⁾ 560(310)[413(228)] ³⁾	at Δp=100bar[1450psi] at Δp=140bar[2030psi]	1.5[0.4] 3.0[0.8]	10	
BR 315	Cont Int ¹⁾ Peak ²⁾	175 [2538] 200 [2900] 225 [3263]	5 [72.5]	at Δp max at Δp max	Cont Int ¹⁾	470(250)[346(184)] ³⁾ 610(300)[450(221)] ³⁾	at Δp=100bar[1450psi] at Δp=140bar[2030psi]	1.5[0.4] 3.0[0.8]	10	
BR 400	Cont Int ¹⁾ Peak ²⁾	175 [2538] 200 [2900] 225 [3263]	5 [72.5]	at Δp max at Δp max	Cont Int ¹⁾	510(250)[376(184)] ³⁾ 670(320)[494(236)] ³⁾	at Δp=100bar[1450psi] at Δp=140bar[2030psi]	1.5[0.4] 3.0[0.8]	10	

1) Le condizioni intermittenti non devono durare più del 10% ogni minuto. - Intermittent duty must not exceed 10% each minute. 2) Le condizioni di picco non devono durare più del 1% di ogni minuto. - Peak duty must not exceed 1% each minute. 3) I valori tra parentesi si riferiscono alla versione con albero CL250/LC254/SD250. - The values in brackets are referred to CL250/LC254/SD250 shaft. 4) Viscosità dell'olio 37 cSt. - Oil Viscosity 37 cSt. 5) Per impieghi a velocità inferiori o con carichi radiali consultare la Brevini Fluid Power for applications at lower rpm or at high radial loads pls. consult Brevini Fluid Power.

