

**HT**



***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		Pressione diff. max. Max. differential pressure		Coppia max. Max. torque		Portata max. Max. flow		Velocità max. Max. speed		Potenza max. Max. power	
		Max. input pressure bar [psi]		Max. pressure bar [psi]		Nm [lbf-ft]		l/min [U.S. gpm]		rpm		kW [hp]	
HT 160	161.1 [9.8]	Cont	210 [3045]	Cont	200 [2900]	Cont	470 [346.3]	Cont	100 [26.4]	Cont	625	Cont	27.5 [36.8]
		Int <sup>1)</sup>	250 [3625]	Int <sup>1)</sup>	240 [3480]	Int <sup>1)</sup>	560 [412.7]	Int <sup>1)</sup>	125 [33]	Int <sup>1)</sup>	780	Int <sup>1)</sup>	32 [42.8]
HT 200	201.4 [12.2]	Cont	210 [3045]	Cont	200 [2900]	Cont	590 [434.8]	Cont	125 [33]	Cont	625	Cont	33.5 [44.8]
		Int <sup>1)</sup>	250 [3625]	Int <sup>1)</sup>	240 [3480]	Int <sup>1)</sup>	710 [523.2]	Int <sup>1)</sup>	150 [39.6]	Int <sup>1)</sup>	750	Int <sup>1)</sup>	40 [53.6]
HT 250	251.8 [15.3]	Cont	210 [3045]	Cont	200 [2900]	Cont	730 [538]	Cont	125 [33]	Cont	500	Cont	33.5 [44.8]
		Int* Peak <sup>2)</sup>	250 [3625] 300 [4350]	Int* Peak <sup>2)</sup>	240 [3480] 280 [4060]	Int* Peak <sup>2)</sup>	880 [648.5] 1020 [751.7]	Int <sup>1)</sup>	150 [39.6]	Int <sup>1)</sup>	600	Int <sup>1)</sup>	40 [53.6]
HT 315	326.3 [19.9]	Cont	210 [3045]	Cont	200 [2900]	Cont	950 [700.1]	Cont	125 [33]	Cont	380	Cont	33.5 [44.8]
		Int <sup>1)</sup>	250 [3625]	Int <sup>1)</sup>	240 [3480]	Int <sup>1)</sup>	1140 [840.1]	Int <sup>1)</sup>	150 [39.6]	Int <sup>1)</sup>	460	Int <sup>1)</sup>	40 [53.6]
HT 400	410.9 [25.06]	Cont	210 [3045]	Cont	180 [2610]	Cont	1080 [795.9]	Cont	125 [33]	Cont	305	Cont	30 [40.2]
		Int <sup>1)</sup>	250 [3625]	Int <sup>1)</sup>	210 [3045]	Int <sup>1)</sup>	1260 [928.6]	Int <sup>1)</sup>	150 [39.6]	Int <sup>1)</sup>	365	Int <sup>1)</sup>	35 [46.9]
HT 500	523.6 [31.9]	Cont	210 [3045]	Cont	160 [2320]	Cont	1220 [899.1]	Cont	125 [33]	Cont	240	Cont	26.5 [35.5]
		Int <sup>1)</sup>	250 [3625]	Int <sup>1)</sup>	180 [2610]	Int <sup>1)</sup>	1370 [1009.6]	Int <sup>1)</sup>	150 [39.6]	Int <sup>1)</sup>	285	Int <sup>1)</sup>	30 [40.2]
		Peak <sup>2)</sup>	300 [4350]	Peak <sup>2)</sup>	210 [3045]	Peak <sup>2)</sup>	1600 [1179.2]						

Motore Motor	Max. pressione di scarico con drenaggio (cont.) Max. Outlet pressure whit Drain line (cont.) bar [psi]		Max. Pressione di avviamento a vuoto Max. starting pressure with no load bar [psi]		Coppia minima di spunto Min. starting torque Nm [lbf-ft]		Velocità minima Min. speed [rpm]	
HT 160	Cont	140 [2030]	10 [145]	A Δp max. At max. Δp	Cont Int <sup>1)</sup>	340 [250.5] 410 [302.1]	10	
	Int <sup>1)</sup>	175 [2537]						
HT 200	Cont	140 [2030]	10 [145]	A Δp max. At max. Δp	Cont Int <sup>1)</sup>	430 [316.9] 520 [383.2]	9	
	Int <sup>1)</sup>	175 [2537]						
HT 250	Cont	140 [2030]	10 [145]	A Δp max. At max. Δp	Cont Int <sup>1)</sup>	530 [390.6] 630 [464.3]	8	
	Int* Peak <sup>2)</sup>	175 [2537] 210 [3045]						
HT 315	Cont	140 [2030]	10 [145]	A Δp max. At max. Δp	Cont Int <sup>1)</sup>	740 [545.3] 890 [655.9]	7	
	Int <sup>1)</sup>	175 [2537]						
HT 400	Cont	140 [2030]	10 [145]	A Δp max. At max. Δp	Cont Int <sup>1)</sup>	840 [619] 970 [714.8]	6	
	Int <sup>1)</sup>	175 [2537]						
HT 500	Cont	140 [2030]	10 [145]	A Δp max. At max. Δp	Cont Int <sup>1)</sup>	950 [700.1] 1060 [781.2]	5	
	Int <sup>1)</sup>	175 [2537]						
	Peak <sup>2)</sup>	210 [3045]						

<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.

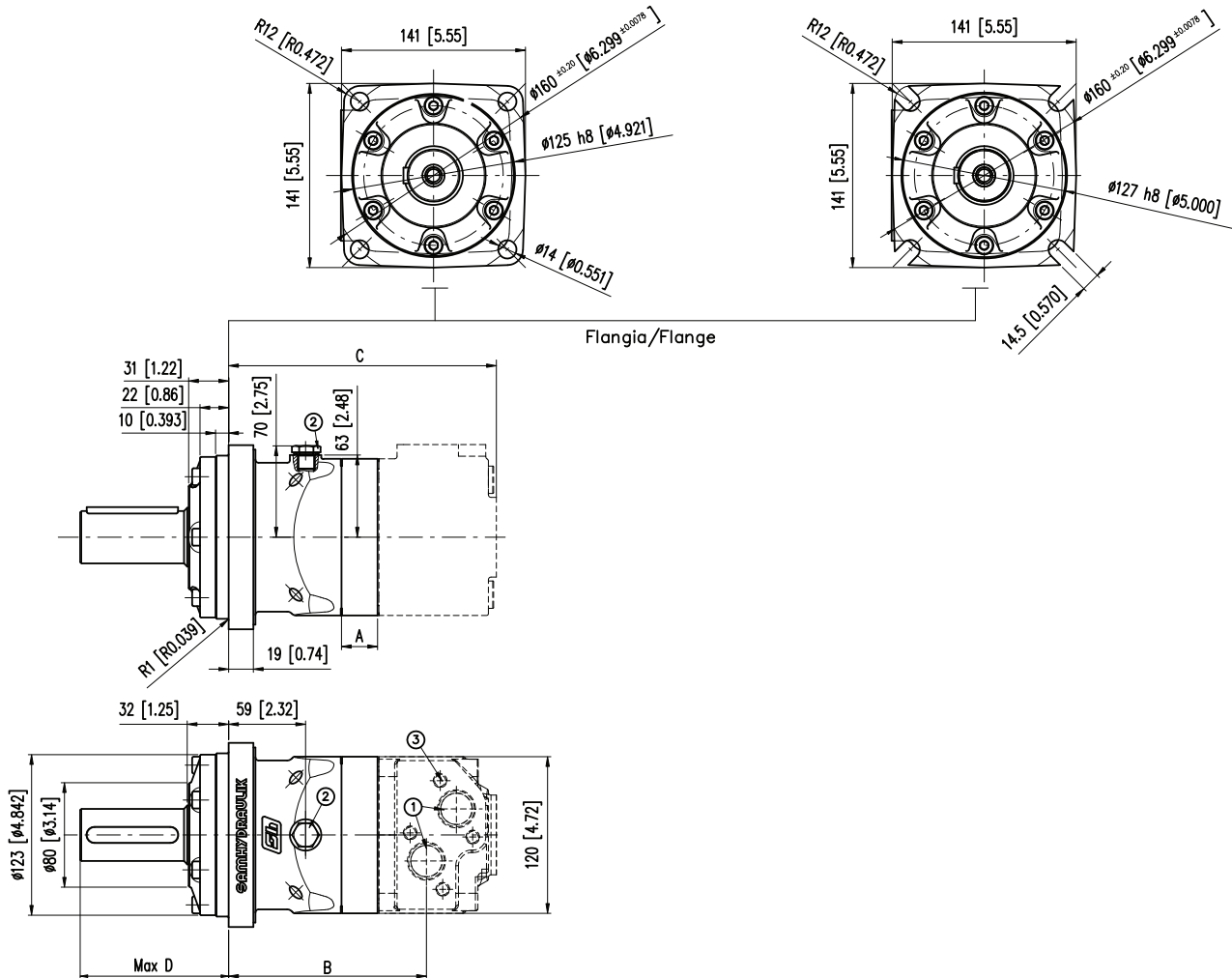
<sup>3)</sup> Viscosità dell'olio 35 cSt. - Oil viscosity 35 cSt.

# DIMENSIONI E PESI DIMENSIONS AND WEIGHT

## VERSIONE BASE - "S" "S" - STANDARD VERSION

Tipo "C4" - ISO 4 FORI Ø125mm  
Type "C4" - ISO 4 BOLTS Ø125mm (Ø4.921 in)

Tipo "4C" - SAE C 4 FORI  
Type "4C" - SAE C 4 BOLTS



- 1) Fori di alimentazione  
Main ports
- 2) Drenaggio motore 1/4 G (BSPP) prof. filetto 12 mm (Versione con flangia C4)  
1/4 G (BSPP) drain port thread depth [0.472 in] (With C4 flange version)  
Drenaggio motore 9/16 - 18 UNF prof. filetto 13 mm (Versione con flangia 4C)  
9/16 - 18 UNF drain port thread depth [0.511 in] (With 4C flange version)
- 3) Fori M10 (Versione con attacchi M10)  
M10 hole (With M10 main ports version)

Cil. (cm <sup>3</sup> /giro) Displ. [in <sup>3</sup> /rev]	160 [9.7]	200 [12.2]	250 [15.2]	315 [19.2]	400 [24.4]	500 [30.5]
A mm A [in]	17 [0.67]	22 [0.87]	28.2 [1.11]	37.5 [1.48]	48 [1.89]	62 [2.44]
B mm B [in]	140 [5.51]	145 [5.71]	153.2 [6.03]	160.5 [6.32]	171 [6.73]	185 [7.28]
C mm C [in]	193.6 [7.62]	198.6 [7.82]	206.8 [8.14]	214.1 [8.43]	224.6 [8.84]	238.6 [9.39]
Pesi kg Weight [lb]	20 [44]	20.5 [45.1]	21 [46.2]	22 [48.4]	23 [50.6]	24 [52.8]
<b>ALBERO SHAFT</b>	<b>CL400</b>	<b>C3800</b>	<b>CN400</b>	<b>SC380</b>		
D (mm)	113.8	91.2	113.6	113.7		
D [in]	[4.48]	[3.59]	[4.47]	[4.47]		