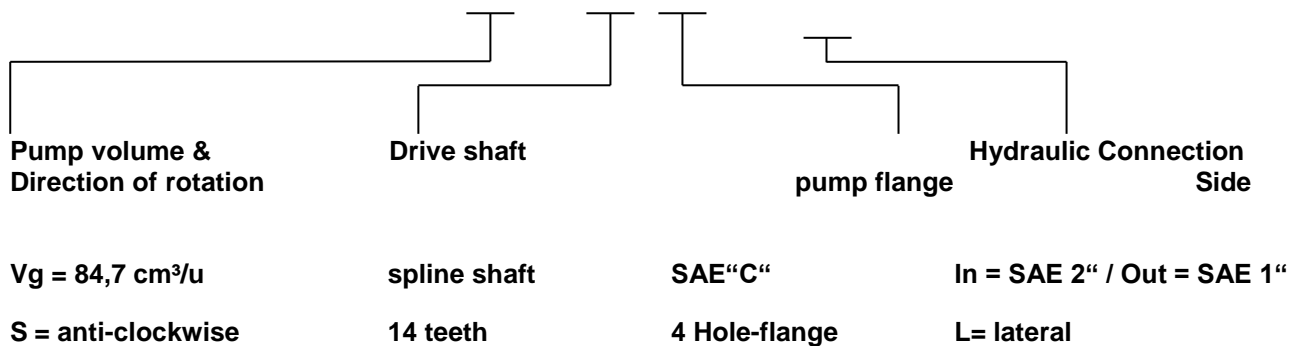




How to Order

MVP60-84S – 06S8 – MFL



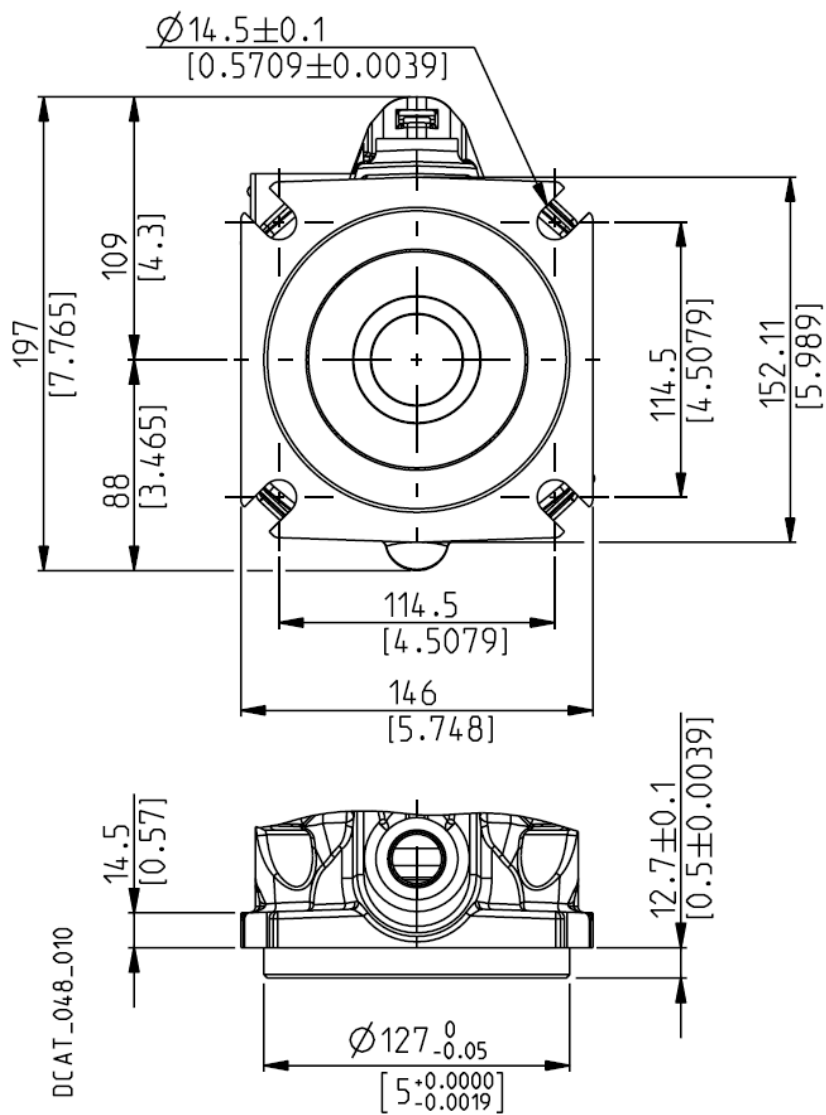
Technical Data

Pump flange S8

SAE "C" 4 HOLES

S8

Conforms to SAE J744



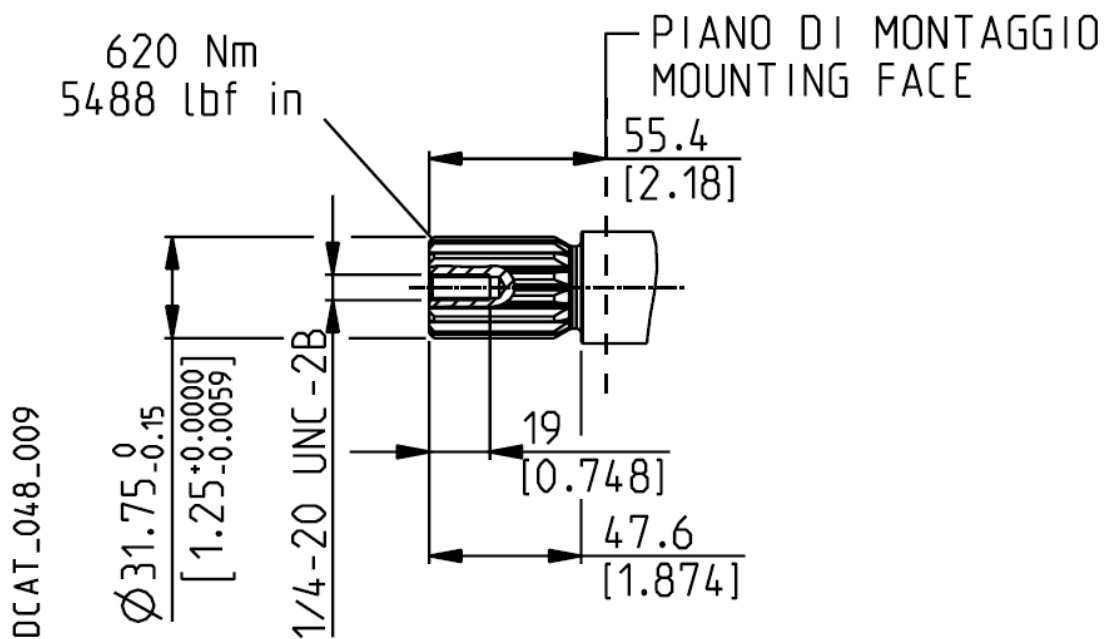
Technical Data

Pump shaft 06

SAE "C" SPLINE

06



Mounting face refers to flange code **S8**

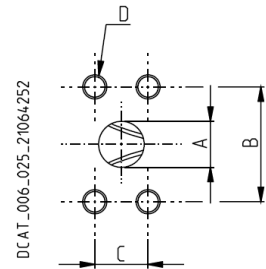


Ext. Involute Spline ANSI B92.1
with major diameter modified
14 teeth - 12/24 Pitch - 30 deg
Flat root - Side fit - Class 5

Hydraulic connection MF / MC

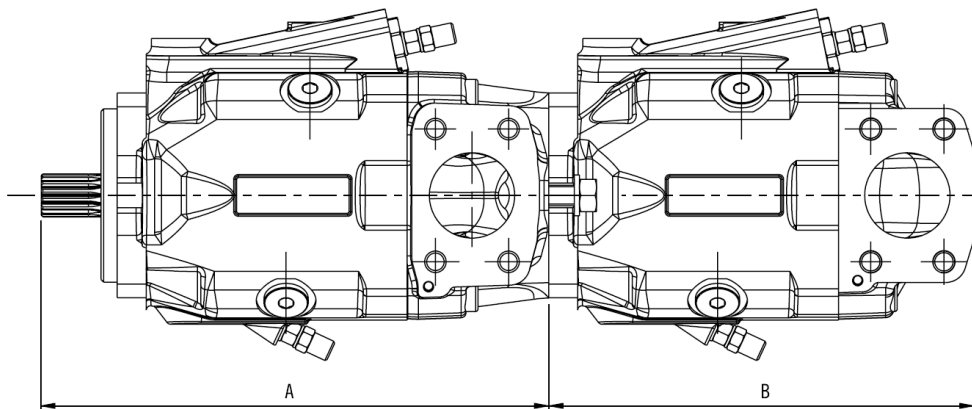
Lateral

CODE	Nominal size	A	B	C	D		
		mm (in)	mm (in)	mm (in)	Thread Depth mm (in)	Nm (lbf in)	Nm (lbf in)
MB	3/4"	20 (0.7874)	47,6 (1.8740)	22,2 (0.8740)	M 10 17 (0.6693)	—	45 ^{+2,5} (398 ÷ 420)
MC	1"	25,4 (1.0000)	52,4 (2.0630)	26,2 (1.0315)	M 10 17 (0.6693)	—	30 ^{+2,5} (266 ÷ 288)
MD	1" 1/4	32 (1.2598)	58,7 (2.3110)	30,2 (1.1890)	M 10 17 (0.6693)	20 ⁺¹ (177 ÷ 186)	—
ME	1" 1/2	38,1 (1.5000)	69,8 (2.7480)	35,7 (1.4055)	M 12 20 (0.7874)	30 ^{+2,5} (266 ÷ 288)	—
MF	2"	51 (2.0079)	77,8 (3.0630)	42,9 (1.6890)	M 12 20 (0.7874)	30 ^{+2,5} (266 ÷ 288)	—



Pump length

A = 233 mm
B = 249 mm



Type designation for double pump:
MVP60-84S-06S8-MFL/ MVP60-84S-06S8-MFL



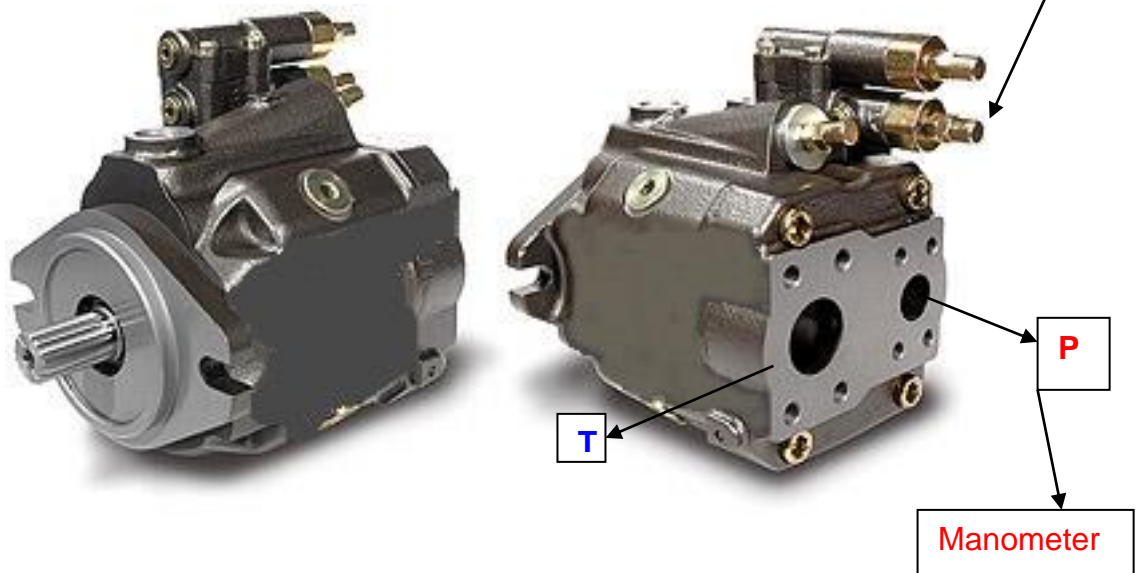
Performance Data 60-84

HL or HLP mineral oil based hydraulic fluid to DIN 51524

Pump type MVP			30-28	30-34	48-45	48-53	60-60	60-72	60-84
Max. displacement (theor.) V_{max}	cm ³ /rev (in ³ /rev)		28 (1.74)	34,8 (2.12)	45 (2.75)	53,7 (3.28)	60 (3.66)	72 (4.39)	84,7 (5.17)
Inlet pressure	bar abs. (in Hg)	min.				0,8 (24)			
		bar abs. (psi)				25 (363)			
Max. outlet pressure p_{max}	bar (psi)	continuous	280 (4060)	250 (3625)	280 (4060)	250 (3625)	280 (4060)	280 (4060)	250 (3625)
		intermittent	315 (4568)	280 (4060)	315 (4568)	280 (4060)	315 (4568)	315 (4568)	280 (4060)
		peak	350 (5075)	315 (4568)	350 (5075)	315 (4568)	350 (5075)	350 (5075)	315 (4568)
Max. drain line pressure	bar abs. (psi)					1,5 (22)			
Max. speed n_{max}	min ⁻¹	@ V_{max} (1)	3500	2900	3000	2500	3000	2700	2300
Max. delivery (theor.)	l/min (US gpm)	@ n_{max}	98 (25.9)	101 (26.7)	135 (35.7)	134 (35.4)	180 (47.6)	194 (51.3)	195 (51.5)
		@ 2000 min ⁻¹	56 (14.8)	70 (18.5)	90 (23.8)	107 (28.3)	120 (31.7)	144 (38.0)	169 (44.7)
		@ 1500 min ⁻¹	42 (11.1)	52 (13.7)	68 (18.0)	81 (21.4)	90 (23.8)	108 (28.5)	127 (33.6)
		@ n_{max}	45,7 (61.2)	42,1 (56.4)	63 (84.4)	55,9 (74.9)	84 (112.6)	90,7 (121.5)	81,2 (108.8)
Max. power (theor.) ($\Delta p = p_{max}$ cont.)	kW (HP)	@ 2000 min ⁻¹	26,1 (35.0)	29 (38.9)	42 (56.3)	44,8 (60.0)	56 (75.0)	67,2 (90.0)	70,6 (94.6)
		@ 1500 min ⁻¹	19,6 (26.3)	21,8 (29.2)	31,5 (42.2)	33,6 (45.0)	42 (56.3)	50,4 (67.5)	52,9 (70.9)
		@ p_{max} cont.	124,8 (1105)	138,5 (1226)	200,5 (1775)	213,7 (1891)	267,4 (2367)	320,9 (2840)	337 (2983)
Max. torque (theor.)	Nm (lbf in)	@ 100 bar (1450 psi)	44,6 (395)	55,4 (490)	71,6 (634)	85,5 (757)	95,5 (845)	114,6 (1014)	134,8 (1193)
		Moment of inertia	kgm ² (ft ² lbs)	0,002 (0.05)	0,002 (0.05)	0,003 (0.07)	0,003 (0.07)	0,008 (0.19)	0,008 (0.19)
Fill volume	l (US gallons)		0,85 (0.22)	0,85 (0.22)	1 (0.26)	1 (0.26)	1,3 (0.34)	1,3 (0.34)	1,3 (0.34)
Mass (approx.)	kg (lbs)		15 (33.1)	15 (33.1)	19 (41.9)	19 (41.9)	22 (48.5)	22 (48.5)	22 (48.5)
Seals					N= Buna		V= Viton		
Operating temperature	°C (°F)	min.			-25 (-13)		-25 (-13)		
		max. cont.			80 (176)		110 (230)		
		max. peak			100 (212)		125 (257)		

**Pressure cut-of
Factory Pressure
settings of 250 bar**

**LS-Pressure at the control valve
Factory settings 14 bar
Readjustment 28 bar**



Please **do not** adjust the default basic setting of 250 bar.

**Important is the LS-Pressure of 28 bar.
Tapping for LS-Adjustment only on the Pump pressure side
(Manometer).**

- Mounting:
1. Protective screw (wrench size13) Remove
 2. Counter screw (wrench size) resolve.
 3. Inner bolt screw to LS-Value adjusting.