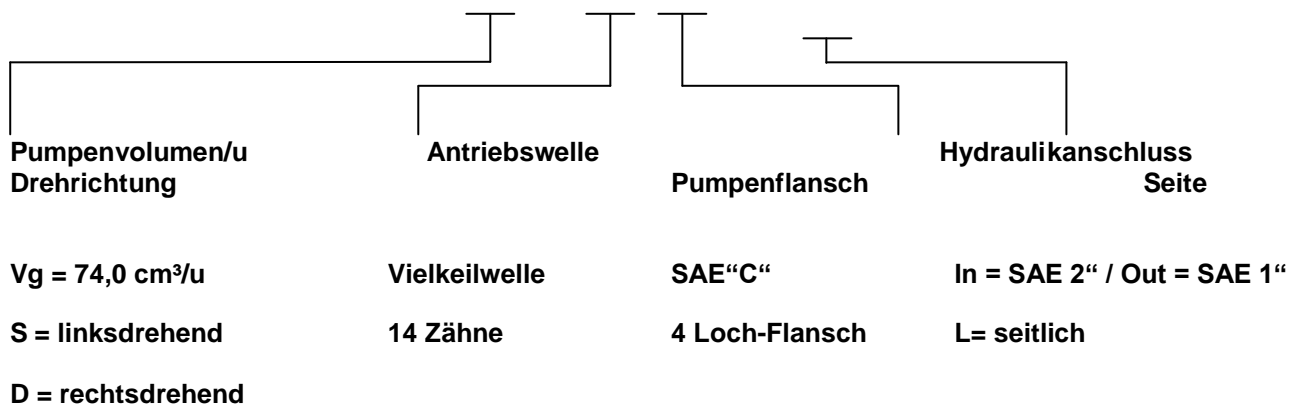




## Bestellangaben ( HOW TO ORDER )

### MVP60-74S – 06S8 – MFL



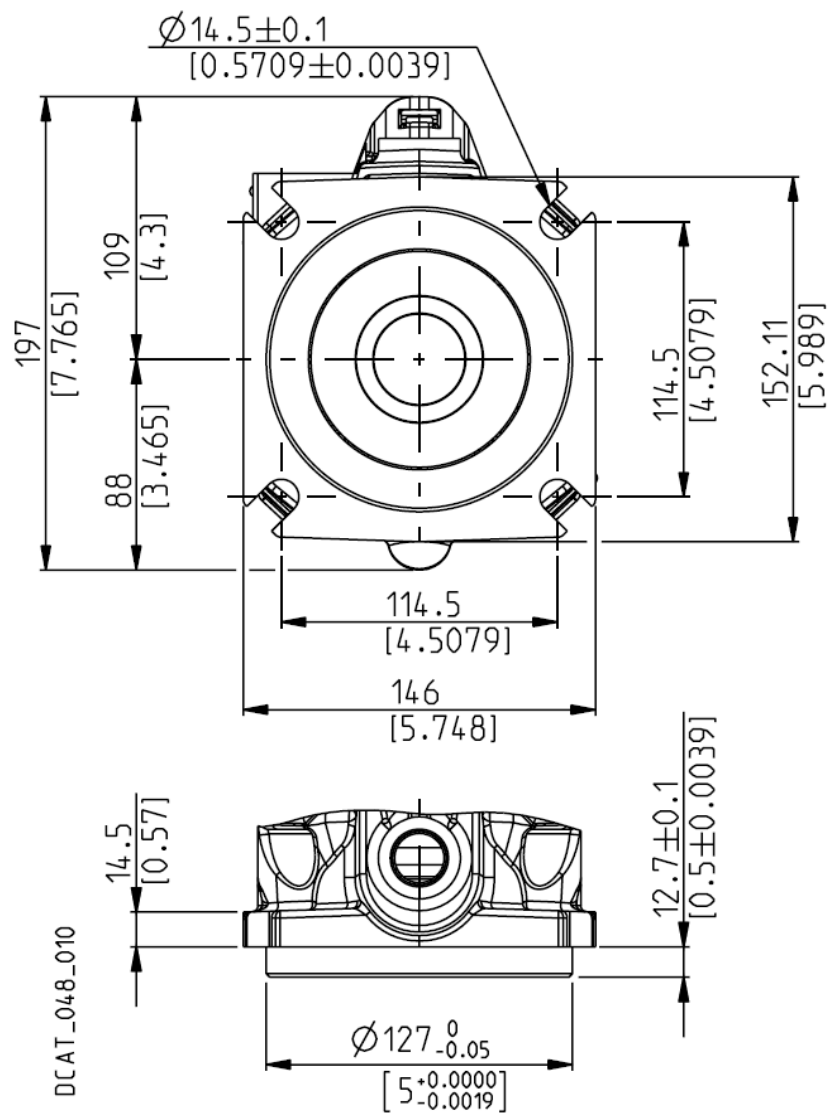
## Technische Daten

### Pumpenflansch S8

**SAE "C" 4 HOLES**

**S8**

Conforms to SAE J744



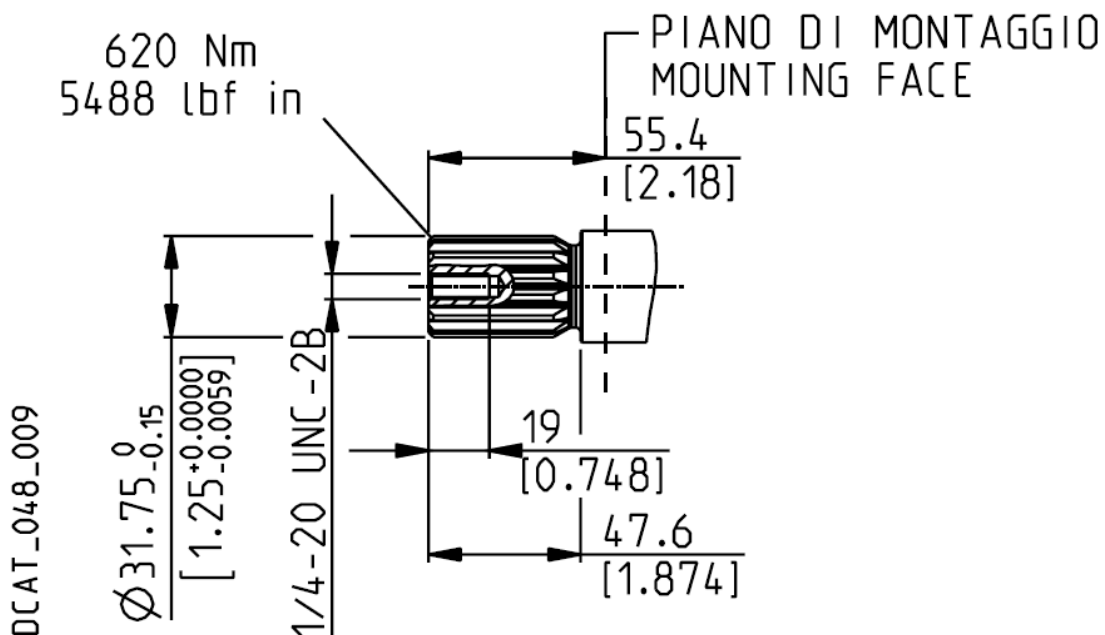
## Technische Daten

### Pumpenwelle 06

**SAE "C" SPLINE**

**06**



Mounting face refers to flange code **S8**

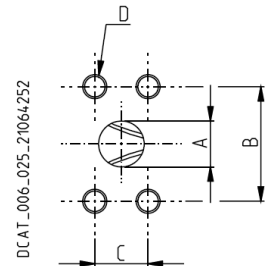


Ext. Involute Spline ANSI B92.1  
with major diameter modified  
14 teeth - 12/24 Pitch - 30 deg  
Flat root - Side fit - Class 5

## Hydraulikanschluss MF / MC

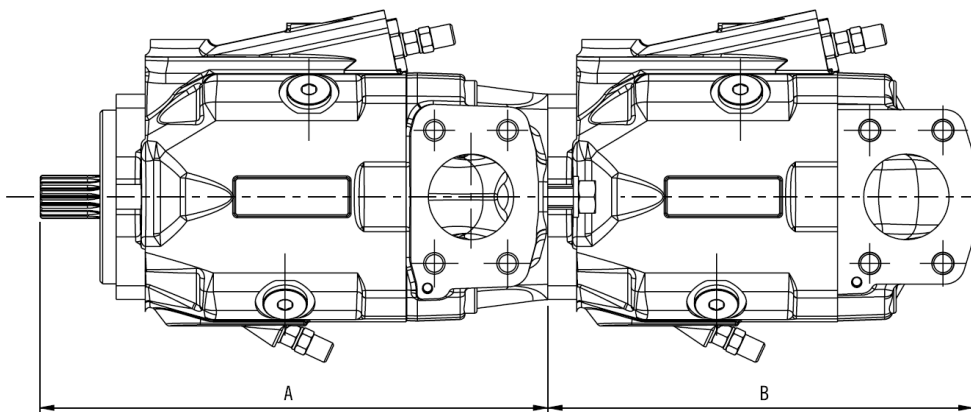
seitlich

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



## Pumpenlänge

**A = 233 mm**  
**B = 249 mm**



**Typenbezeichnung bei Doppelpumpen:**  
**MVP60-84S-06S8-MFL/ MVP60-84S-06S8-MFL**

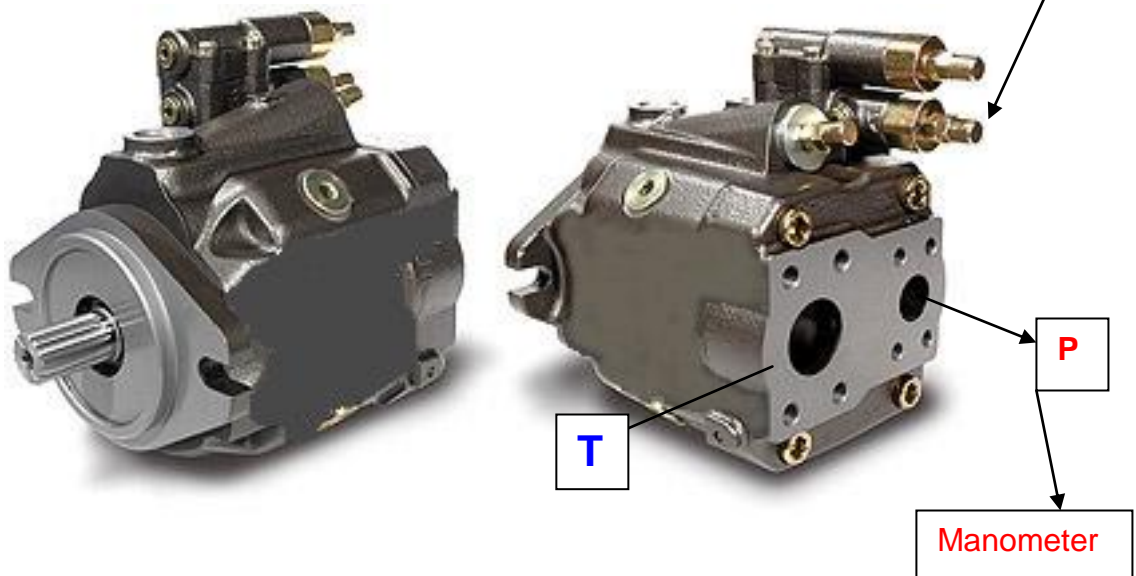
## Leistungsdaten 60-84

**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 <sup>3</sup> /rev (in <sup>3</sup> /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)	max.			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 <sup>-1</sup>	@ $V_{max}$ (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 <sup>-1</sup>	56 (14.8)	70 (18.5)	90 (23.8)	107 (28.3)	120 (31.7)	144 (38.0)	169 (44.7)
		@ 1500 min <sup>-1</sup>	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 <sup>-1</sup>	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 <sup>-1</sup>	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 <sup>2</sup> (ft <sup>2</sup> 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)	

**Druckabschneidung  
werkseitige  
Druckeinstellung 250 bar**

**LS-Druck am Regelventil  
werkseitige Einstellung 14 bar  
Nachjustierung 28 bar**



**Bitte die werkseitige Grundeinstellung von 250 bar  
nicht verstellen.**

**Wichtig ist der LS-Druck von 28 bar.  
Abgriff für LS-Justierung nur auf der P-Pumpendruckseite  
( Manometer ).**

Montage:

1. Schutzhutschraube (Schlüssel SW13) entfernen
2. Konterschraube (Schlüssel SW13) lösen.
3. Innenstift-Schraube auf LS-Wert einjustieren.