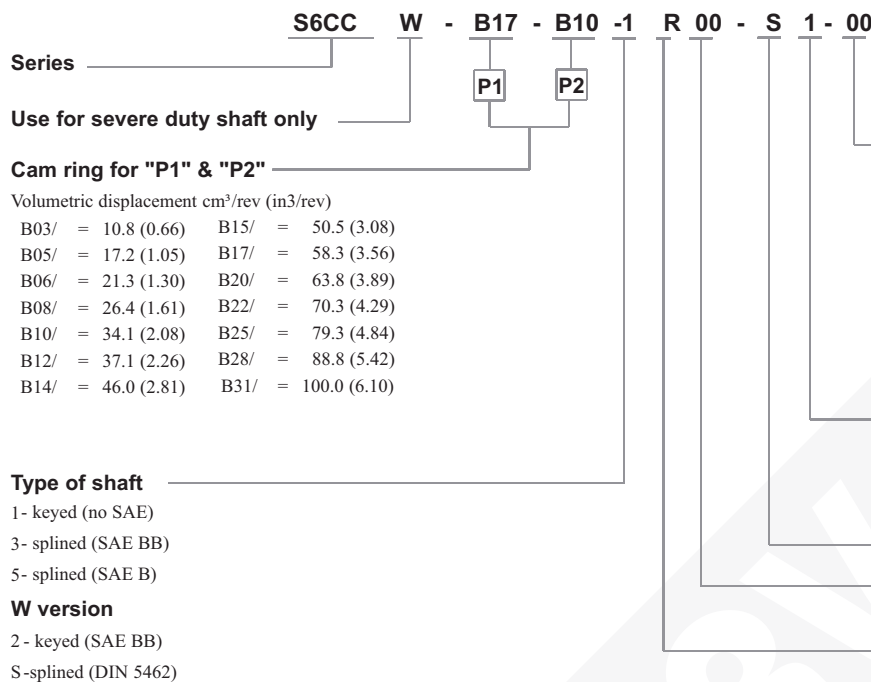


# ORDERING CODE - S6CC SERIES



Volumetric displacement cm<sup>3</sup>/rev (in<sup>3</sup>/rev)

B03/ = 10.8 (0.66)	B15/ = 50.5 (3.08)
B05/ = 17.2 (1.05)	B17/ = 58.3 (3.56)
B06/ = 21.3 (1.30)	B20/ = 63.8 (3.89)
B08/ = 26.4 (1.61)	B22/ = 70.3 (4.29)
B10/ = 34.1 (2.08)	B25/ = 79.3 (4.84)
B12/ = 37.1 (2.26)	B28/ = 88.8 (5.42)
B14/ = 46.0 (2.81)	B31/ = 100.0 (6.10)

**Mounting W/connection variables**

		P1=1" - S=3"		P1=1" - S=2 1/4"	
P2		1"	3/4" <sup>1)</sup>	1"	3/4" <sup>1)</sup>
code	Unc	00	01	10	11
	Metric	0M	W0	1M	W1

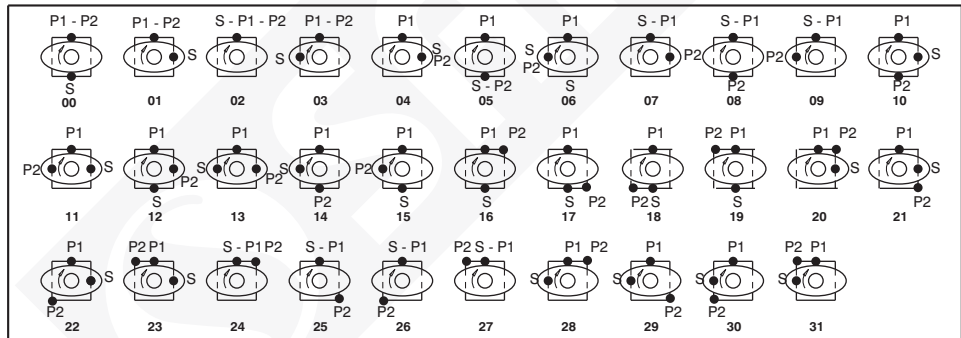
1) for 46 ml/rev max.  
 2) for 126 ml/rev max.  
 The large cartridge must be always mounted in the front.

**Seal class**  
 1 - S1 (for mineral oil)  
 4 - S4 (for fire resistant fluids)  
 5 - S5 (for mineral oil and fire resistant fluids)

**Design letter**  
 Porting combination  
 00 - standard

**Direction of rotation (view on shaft end)**  
 R - clockwise  
 L - counter-clockwise

**Porting Diagrams**



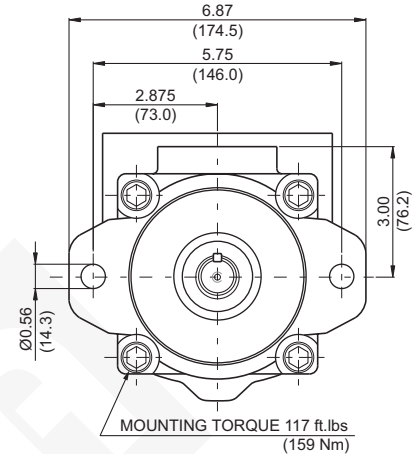
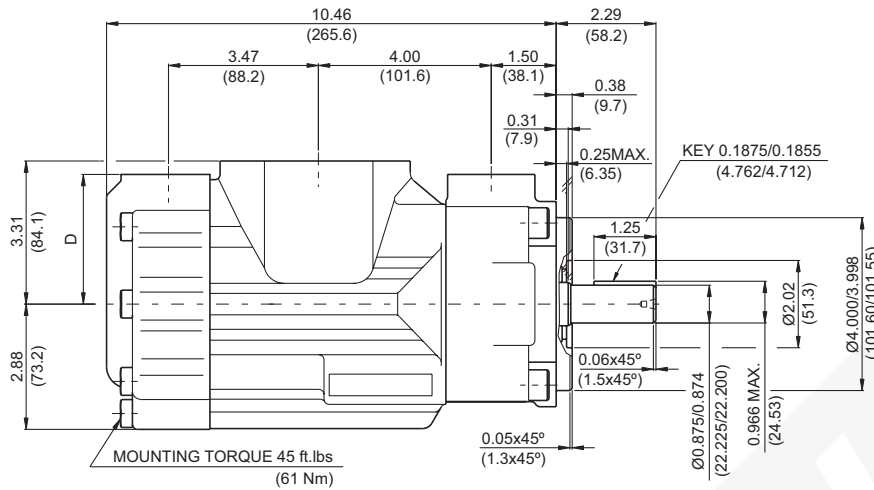
**OPERATING CHARACTERISTICS - TYPICAL (24 cST) (Input power p (KW) for one cartridge only)**

Pressure port	Series	Volumetric Displacement Vp		Flow q & n = 1500 rpm						Input power p & n = 1500 rpm					
		In <sup>3</sup> /rev	cm <sup>3</sup> /rev	p = 0 bar (0 psi)		p = 140 bar (2000 psi)		p = 240 bar (3500 psi)		p = 7 bar (100 psi)		p = 140 bar (2000 psi)		p = 240 bar (3500 psi)	
				gpm	lpm	gpm	lpm	gpm	lpm	hp	kw	hp	kw	hp	kw
P1 & P2	B03	0.66	10.8	4.29	16.2	2.96	11.2	2.04	7.7	1.74	1.3	7.11	5.3	11.22	8.4
	B05	1.05	17.2	6.83	25.8	5.50	20.8	4.57	17.3	1.88	1.4	10.06	7.5	16.36	12.2
	B06	1.30	21.3	8.44	31.9	7.11	26.9	6.19	23.4	2.01	1.5	11.94	8.9	19.71	14.7
	B08	1.61	26.4	10.48	39.6	9.15	34.6	8.22	31.1	2.15	1.6	14.35	10.7	22.93	17.7
	B10	2.08	34.1	13.52	51.1	12.19	46.1	11.26	42.6	2.28	1.7	18.64	13.4	29.90	22.3
	B12	2.26	37.1	14.71	55.6	13.36	50.6	12.46	47.1	2.28	1.7	19.31	14.4	32.32	24.1
	B14	2.81	46.0	18.25	69.0	16.93	64.0	16.00	60.5	2.55	1.9	23.60	17.6	39.56	29.5
	B15	3.08	50.5	20.00	75.6	18.73	73.2	19.02	67.5	2.68	2.0	25.61	19.1	42.91	32.0
	B17	3.56	58.3	23.12	87.4	21.79	82.4	20.87	78.9	2.82	2.1	29.37	21.9	49.48	36.9
	B20	3.89	63.8	25.32	95.7	23.99	90.7	23.07	87.2	2.95	2.2	31.92	23.8	53.91	40.2
	B22	4.29	70.3	27.88	105.4	26.56	100.4	25.63	96.9	3.08	2.3	35.00	26.1	59.14	44.1
	B25 <sup>1)</sup>	4.84	79.3	31.46	118.9	30.13	113.9	29.21	110.4	3.35	2.5	39.16	29.2	66.38	49.5
	B28 <sup>1)</sup>	5.42	88.8	35.24	133.2	33.92	128.2	33.28 <sup>2)</sup>	125.8 <sup>2)</sup>	3.75	2.8	43.85	32.7	65.04 <sup>2)</sup>	48.5 <sup>2)</sup>
	B31 <sup>1)</sup>	6.10	100.0	39.68	150.0	38.35	145.0	37.72 <sup>2)</sup>	142.6 <sup>2)</sup>	3.75	2.8	48.95	36.5	72.95 <sup>2)</sup>	54.4 <sup>2)</sup>

(1) B25-B28-B31 = 2500 RPM. max. (2) B28-B31 = 210 bar (3000 psi) max. int. **B03-B22 Peak Pressure 300 bar**

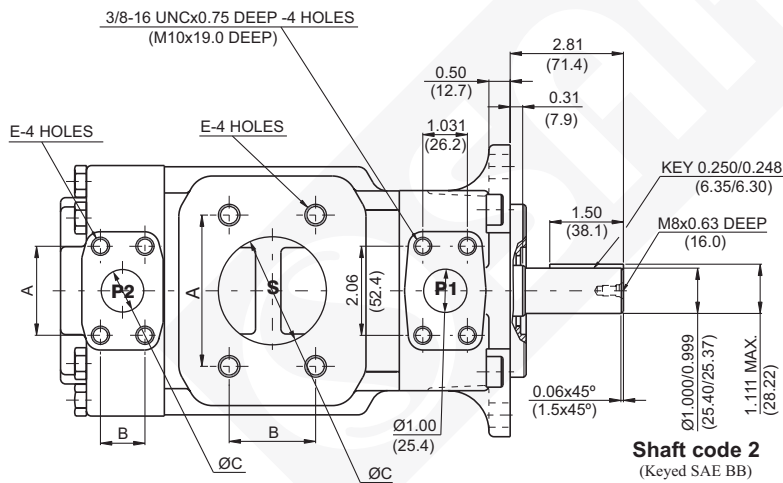
# DIMENSIONS - S6CC SERIES

WEIGHT : 26 Kg.

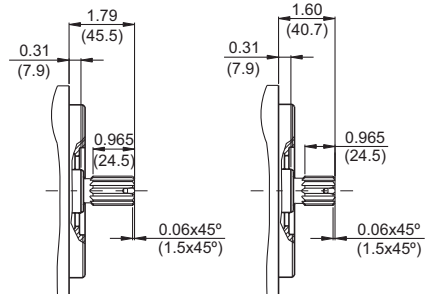


**Shaft code 1**  
(Keyed no SAE)

## S6CCW



**Shaft code 2**  
(Keyed SAE BB)

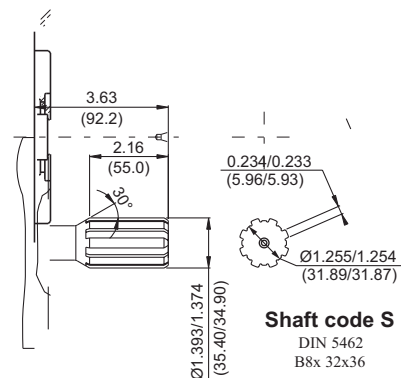


**Shaft code 3**  
SAE BB splined shaft  
Class 1-J498b  
16/32 dp. 15 teeth  
30° pressure angle  
Flat root side fit

**Shaft code 5**  
SAE B splined shaft  
Class 1-J498b  
16/32 dp. 13 teeth  
30° pressure angle  
Flat root side fit

Shaft torque limits in <sup>3</sup> /rev x psi(ml/rev x bar)	
Shaft	V <sub>p</sub> x p max. (P1+P2)
1	12666 (14300)
2	18972 (21420)
3	28937 (32670)
5	18246 (20600)

PORT	A	B	C	D	E
S	4.19 (106.4)	2.44 (61.9)	3.00 (76.2)		5/8-11UNCx1.12 DEEP (M16x28.4 DEEP)
S	3.50 (88.9)	2.00 (50.8)	2.50 (63.5)		1/2-13UNCx0.94 DEEP (M12x24.0 DEEP)
P2	1.874 (47.6)	0.874 (22.2)	0.75 (19.0)	3.00 (76.2)	3/8-16UNCx0.75 DEEP (M10x19.0 DEEP)
P2	2.06 (52.4)	1.03 (26.2)	1.00 (25.4)	2.94 (74.7)	



**Shaft code S**  
DIN 5462  
B8x 32x36