

ORDERING CODE H6DC SERIES

H6DC - M - B38 - B14 - S1 - 00 - U - R - 00

Series

M - Mobile Application

Cam ring for "P1"

Volumetric displacement cm³/rev (in³/rev)

B14 = 47.6 (2.90) B35 = 111.0 (6.77)
 B17 = 58.2 (3.55) B38 = 120.3 (7.34)
 B20 = 66.0 (4.03) B42 = 136.0 (8.30)
 B24 = 79.5 (4.85) B45 = 145.7 (8.89)
 B28 = 89.7 (5.47) B50 = 158.0 (9.64)
 B31 = 98.3 (6.00) B61 = 190.5 (11.62)

Cam ring for "P2"

Volumetric displacement cm³/rev (in³/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

UNC	METRIC
00	M0

Direction of rotation (view on shaft end)

R - clockwise
L - counter-clockwise

Port Threads

U - UNC Port Connection
M - Metric Port Connection

Porting combination

00 - standard

Type of shaft

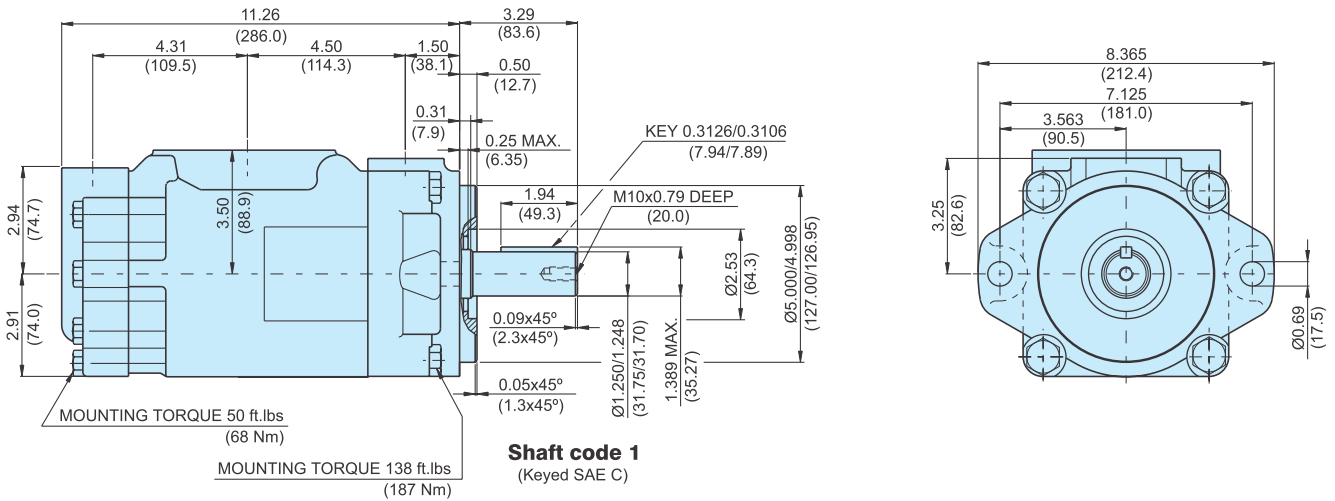
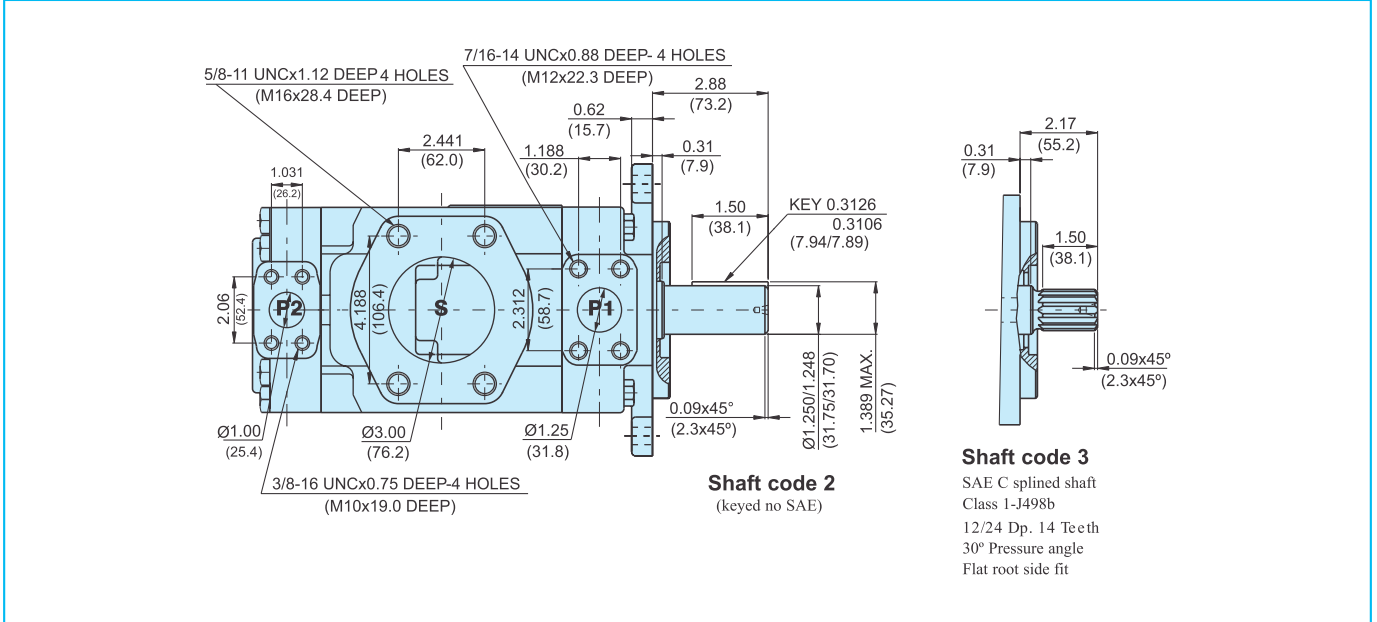
S1 - keyed (SAE C)
S2 - keyed (no SAE)
S3 - splined (SAE C)

Shaft torque limits in ³ /revxpsi(ml/revxbar)	
Shaft	Vp x p max. (P1+P2)
S1	38299 (43240)
S2	30638 (34590)
S3	54207 (61200)

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					
				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)	
				in ³ /rev	cm ³ /rev	gpm	lpm	gpm	lpm	gpm	lpm	hp	kw	hp	kw
P1	B14	2.90	47.6	18.88	71.4	16.42	62.1	14.78	55.9	3.08	2.3	24.81	18.5	41.03	30.6
	B17	3.55	58.2	23.1	87.3	20.6	78.0	18.99	71.8	3.35	2.5	29.77	22.2	49.62	37.0
	B20	4.00	66.0	26.19	99.0	23.73	89.7	22.08	83.5	3.75	2.8	33.39	24.9	55.92	41.7
	B24	4.80	79.5	31.56	119.3	29.10	110.0	27.46	103.8	4.02	3.0	39.69	29.6	66.78	49.8
	B28	5.50	89.7	35.58	134.5	33.12	125.2	31.48	119.0	4.29	3.2	44.52	33.2	74.96	55.9
	B31	6.00	98.3	39.00	147.5	36.53	138.1	34.89	131.9	4.42	3.3	48.54	36.2	81.80	61.0
	B35	6.80	111.0	44.04	166.5	41.58	157.2	39.94	151.0	4.69	3.5	54.58	40.7	92.13	68.7
	B38	7.30	120.3	47.72	180.4	45.26	171.1	43.62	164.9	4.96	3.7	58.87	43.9	99.64	74.3
	B42 ¹⁾	8.30	136.0	53.96	204.0	51.50	194.7	49.86	188.5	5.36	4.0	66.25	49.4	112.24	83.7
	B45 ¹⁾	8.89	145.7	57.80	218.5	55.34	209.2	53.70	203.0	5.50	4.1	70.81	52.8	120.02	89.5
	B50 ¹⁾	9.64	158.0	62.69	237.0	60.23	227.7	59.25 ²⁾	224.0 ²⁾	5.90	4.4	76.44	57.0	113.98 ²⁾	85.0 ²⁾
	B61 ¹⁾	11.62	190.5	76.25	285.7	73.54 ³⁾	278.0 ³⁾	--	--	6.16	4.6	81.26 ³⁾	60.6 ³⁾	--	--
P2	B03	0.66	10.8	4.29	16.2	2.96	11.2	--	--	1.74	1.3	7.11	5.3	--	--
	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	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	5.42	88.8	35.24	133.2	33.92	128.2	--	--	3.75	2.8	43.85	32.7	--	--	
B31	6.10	100.0	39.68	150.0	38.35	145.0	--	--	3.75	2.8	48.95	36.5	--	--	

(1) B42-B45-B50-B61 = 2200 RPM max. (2) B28-B31-B50 = 210 bar (3000 psi) max. (3) B61 = 120 bar (1740 psi) max. int., B61 = 80 bar (1160 psi) cont.
 (4) B05-B22 Peak Pressure 270 bar (5) B14-B38 Peak Pressure 240 bar



Porting Diagrams

