

KH6D VANE PUMP

Vane pumps "KH" Series

Bidirectional

Q - Special mounting cap with ear orientation of 20° from standard

Y -Metric port connection (not for code 'Q')
Omit for UNC

Cam ring

Volumetric displacement cm³/rev (in³/rev)

*014/B14 = 47.6 (2.90)	035/B35 = 111.0 (6.77)
017/B17 = 58.2(3.55)	038/B38 = 120.3 (7.34)
020/B20 = 66.0 (4.03)	042/B42 = 136.0 (8.30)
024/B24 = 79.5 (4.85)	045/B45 = 145.7 (8.89)
028/B28 = 89.7 (5.47)	050/B50 = 158.0 (9.64)
031/B31 = 98.3 (6.00)	061/B61 = 190.5 (11.62)

*'0' - Uni - directional 'B' - Bi - directional

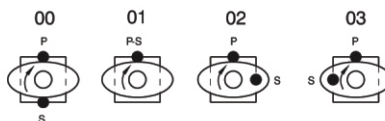
Modifications

Seal Class

- 1-S1 (For mineral oil)
- 4-S4 (For fire resistant fluids)
- 5-S5 (For mineral oil & Fire resistant fluids)

Porting combination

00 - standard



S Suction port P - Pressure port

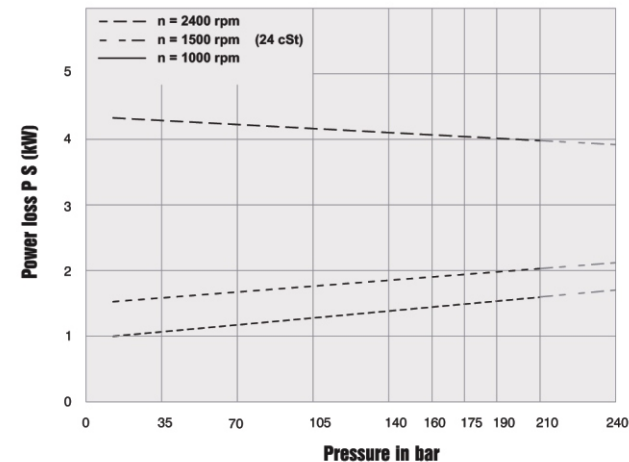
Direction of rotation (View on shaft end)

- R- clockwise
- L- counter-clockwise

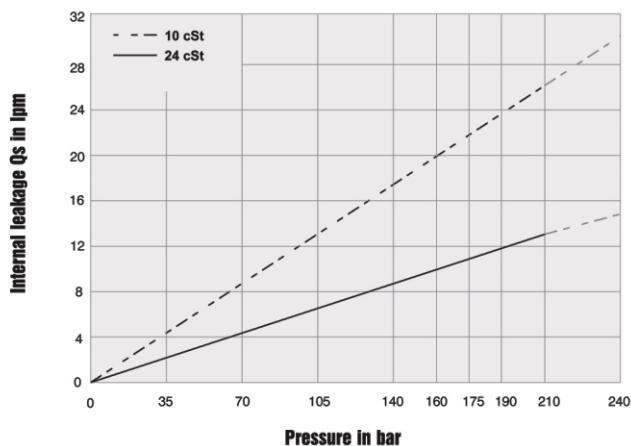
Type of shaft

- 1 - keyed (SAE C)
- 2 - keyed (no SAE)
- 3 - splined (SAE C)
- 4 - splined (no SAE)

HYDROMECHANICAL POWER LOSS (TYPICAL)

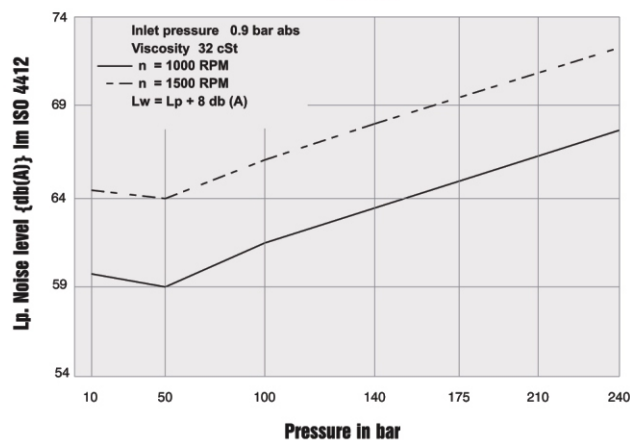


INTERNAL LEAKAGE (TYPICAL)

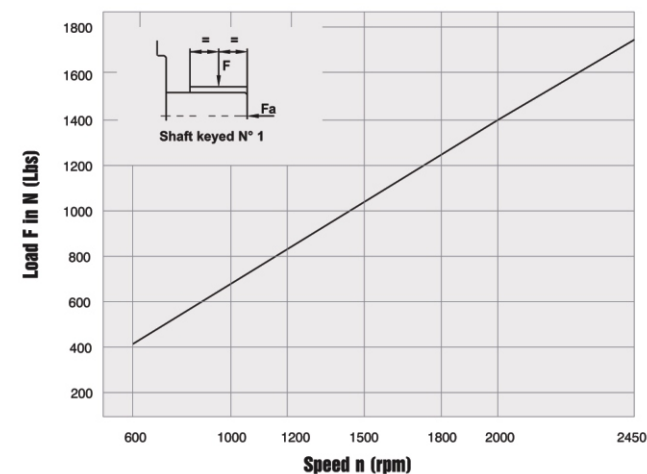


NOISE LEVEL (TYPICAL)

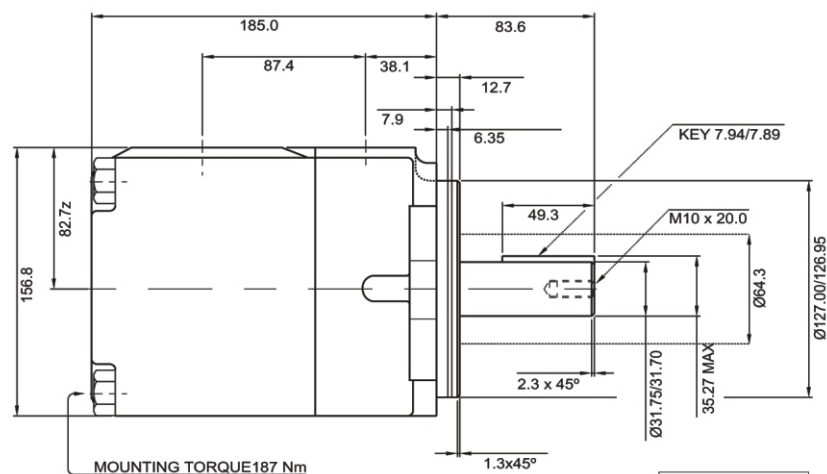
KH6D- 038



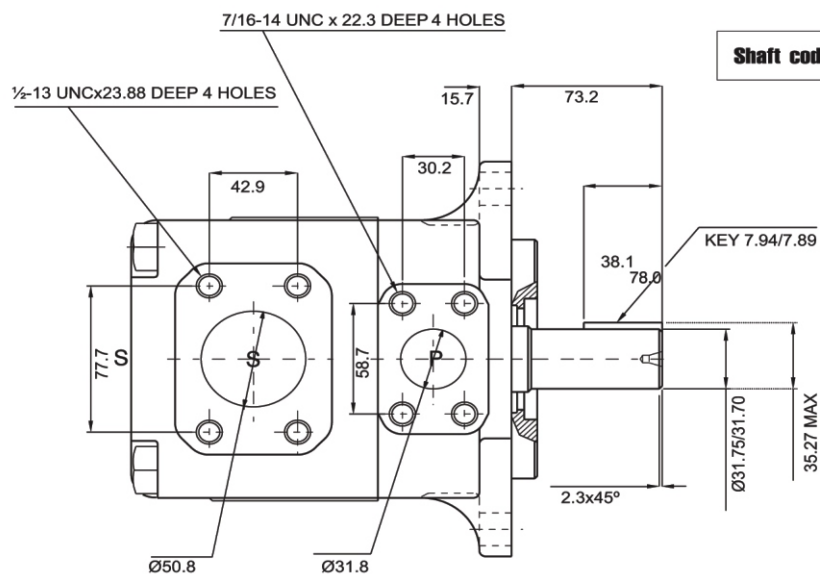
PERMISSIBLE RADIAL LOAD



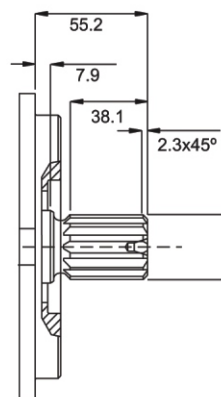
[↔] KH6D VANE PUMP



Shaft code 1

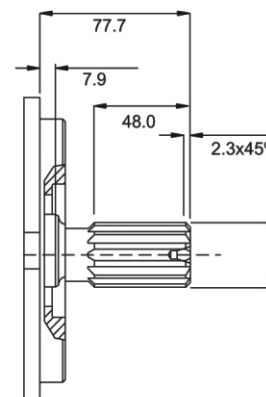


Shaft code 2



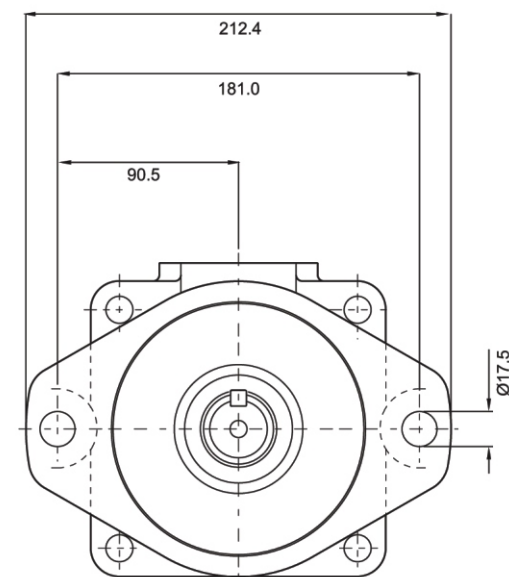
Shaft code 3

SAE C splined shaft
1-J498b
12/24 dp. 14 teeth
30° pressure angle



Shaft code 4

No SAE splined shaft
1-J498b
12/24 dp. 14 teeth
30° pressure angle



Pump Model	Cartridge Model	Theoretical Displacement cm ³ /rev	Flow at 1440rpm		Flow at 1500rpm	
			P= 0 bar (0 psi) lpm	P= 140 bar (2000 psi) lpm	P= 240 bar (3500 psi) lpm	
KH6D	14	47.6	68.5	62.0	56.0	
	17	58.2	83.8	78.0	72.0	
	20	66.0	95.0	90.0	85.0	
	24	79.5	114.4	110.0	104.0	
	28	89.7	129.1	124.8	120.0	
	31	98.3	141.5	138.2	132.0	
	35	111.0	159.8	157.5	151.0	
	38	120.3	173.2	171.0	165.0	
	42 ^{A)}	136.0	195.8	194.0	190.1	
	45 ^{A)}	145.7	209.8	208.8	203.5	
	50 ^{A)}	158.0	227.5	228.0	225.0 ^{B)}	
	61 ^{A)}	190.5	274.3	278.0 ^{C)}	—	

A) 042-045-050-061=2200 RPM max

B) 050=210 bar max.

C) 061=120 bar max. Int, 061=80 bar cont.

All dimensions are in m.m.