**KVM4*E\ KVM4*E1 - 214 - 1 N 00 - B 5 02 *_**
① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩

① **Series external drain**

② **Series internal drain**

③ **Torque**
153 = 2.52 Nm/bar
185 = 3.05 Nm/bar
214 = 3.53 Nm/bar

④ **Type of shaft**
1-Keyed (SAE C)
3-Splined (SAE C)

⑤ **Rotation**
**N** - Bi-directional

*S = Severe duty motor
VM4E1-VM4SE1 : Drain port is plugged

View from shaft end
CW rotation A = inlet B = outlet
CCW rotation A = outlet B = inlet

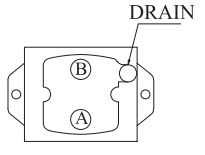
⑥ **Porting combination**
00-standard

⑦ **Design letter**

⑧ **Seal class**
5-S5

⑨ **Port connections**
01 = SAE threaded port
SAE drain
02 = SAE 4 bolt flange
UNC threaded - SAE drain
04 = SAE 4 bolt flange
UNC threaded - BSPP drain

⑩ **Modifications**

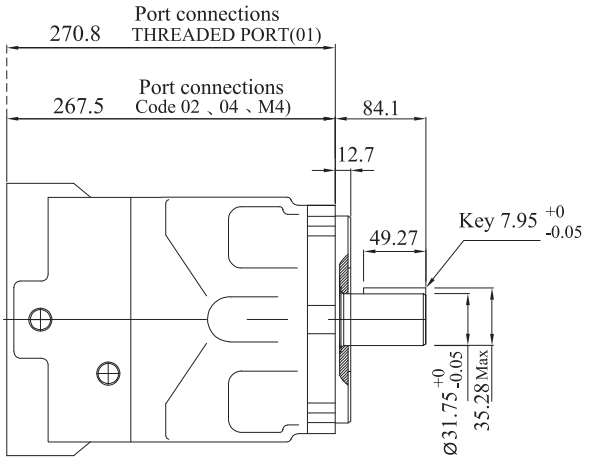



00
**Porting combination**
00-standard

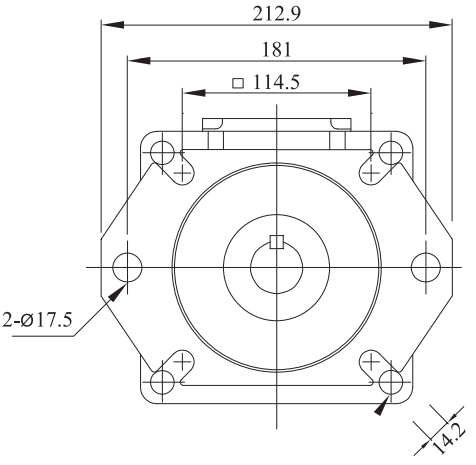
## OPERATING CHARACTERISTICS - TYPICAL (24 cST)

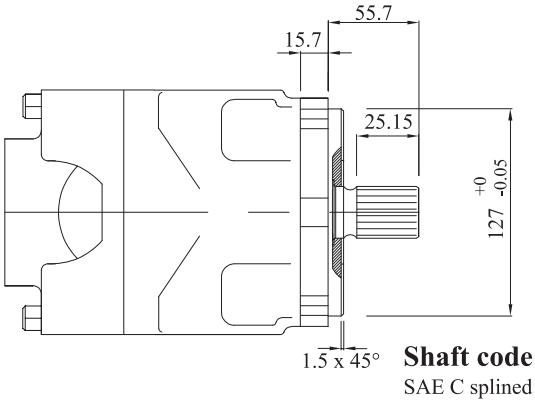
| MODEL | Series | Volumetric Displacement Vi | Input flow at n=2000 rpm | | Torque T n =2000 rpm | | Power output n =2000 rpm | | P Max Kg/cm² | Max r.p.m |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | Theoretical | at 175 bar (2500psi) Δ p | at 175 bar (2500psi) Δ p | | at 175 bar (2500psi) Δ p | | | |
| | | cm³/rev | ℓ / min | ℓ / min | in.lbf | Nm | HP | Kw | | |
| KVM4E KVM4SE | 153 | 158.5 | 316.4 | 343.0 | 3522.0 | 398.0 | 111.8 | 83.4 | 175 | 3600 |
| | 185 | 191.6 | 382.5 | 409.0 | 4283.2 | 484.0 | 136.0 | 101.4 | | |
| | 214 | 222.0 | 443.4 | 470.0 | 5017.7 | 567.0 | 159.3 | 118.8 | | |

# KVM4E Dimensional Drawing

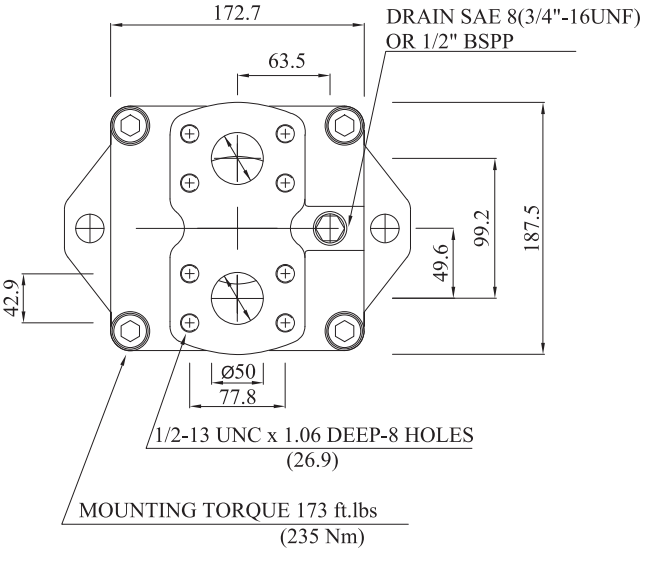


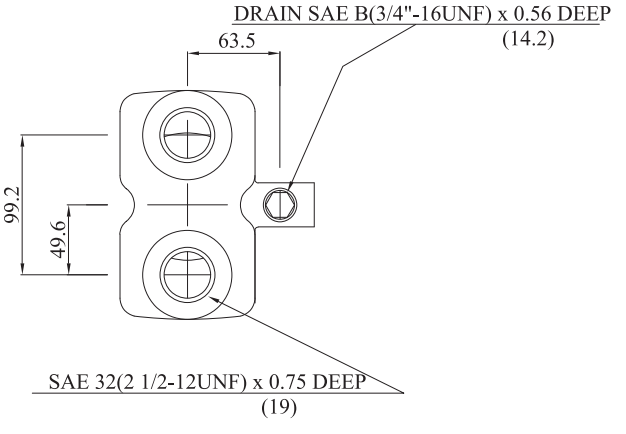

**Shaft code 1**
(keyed SAE C)




**Shaft code 3**
SAE C splined shaft
Class 1 - J498b
12/24 dp. 14 teeth
30° pressure angle
flat root side fit




SAE THREADED PORT