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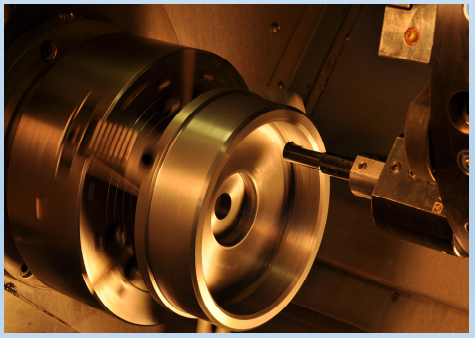


Comprehensive Hydraulic Solutions

CAM MOTOR

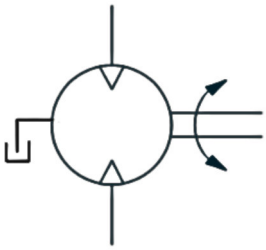
Friendly Intelligent Powerful !
Hydraulics

YUKEN INDIA LIMITED

Cam Motor

MSE-02 SERIES Cam Motor

This a radial piston type hydro motor of low speed, high torque. Within a modular design, it is widely used in mobile hydraulic application.
Radial piston motor of low speed with high torque with a modular design, it is widely used in mobile hydraulic application



Specification

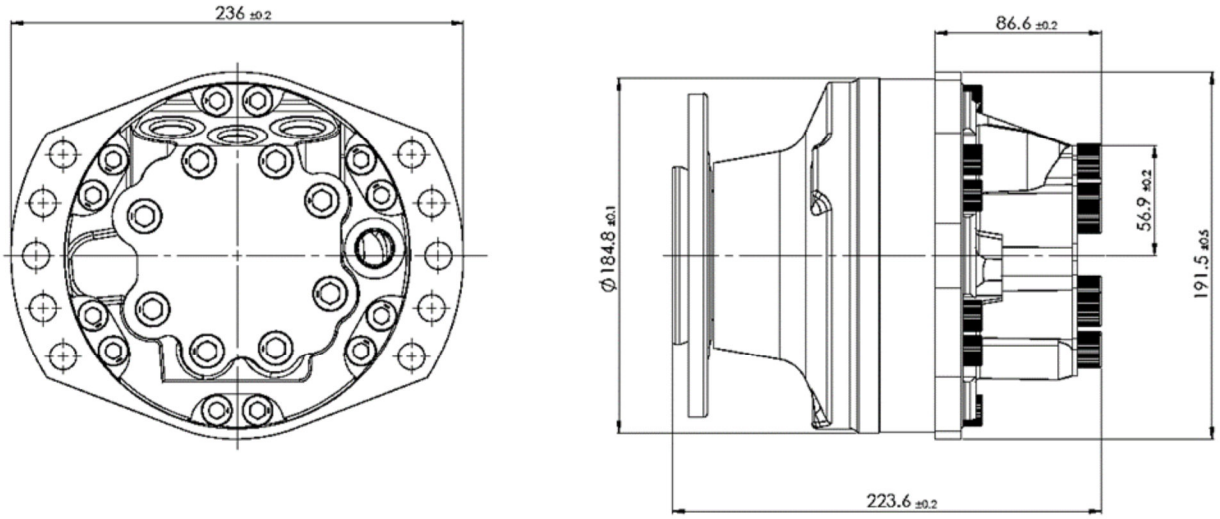
MODEL NUMBER	GEOMETRIC DIS-PLACEMENT (Cm^3/rev)	FLOW RATE (LPM) at 310rev/min	Maximum Pressure (bar)	Shaft Speed Range (rpm)	(Approx.) Weight (kg)
MSE-02	398	105	400	265	22

Model Number Designation

MSE	02	-S	-1	-P	-V	-RL	3080
Series	**Size**	**Shaft**	**Mounting**	**Port**	**Seal**	**Direction of rotation (Viewed from Shaft Side)**	**Design no.& Std.**
MSE	02	**S :** V type shaft	**1:** Ø169.4 mm spigot **2:** Ø191.5 mm spigot	**P:** UNF Port	**B:** Nitrile **V:** Viton	**RL:** Clockwise Or counter clockwise	**30:** Design Number **80:** Design Number

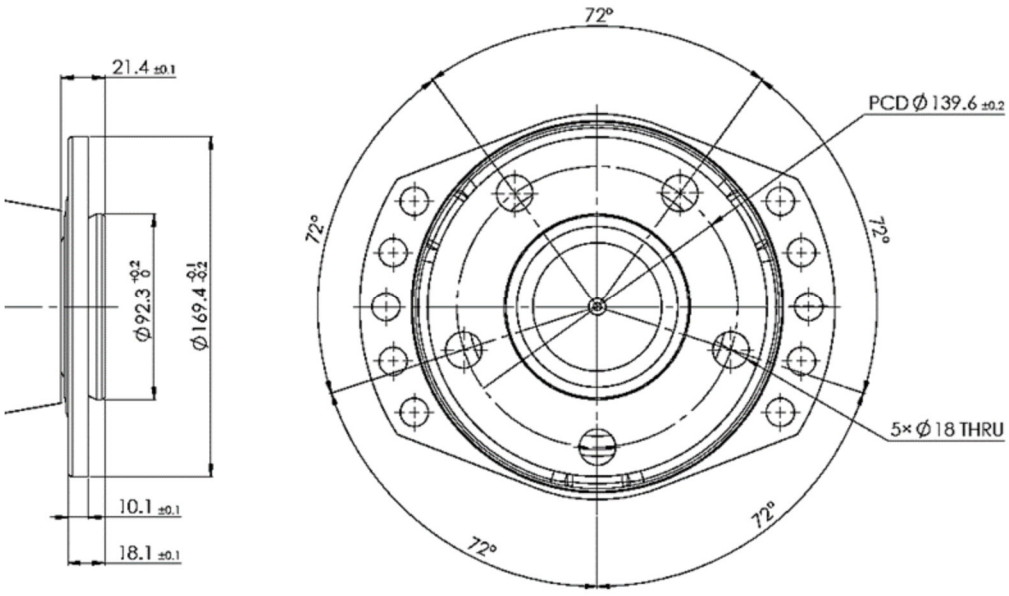
General Arrangement

- **MSE-02-S-P-V-RL-3080**

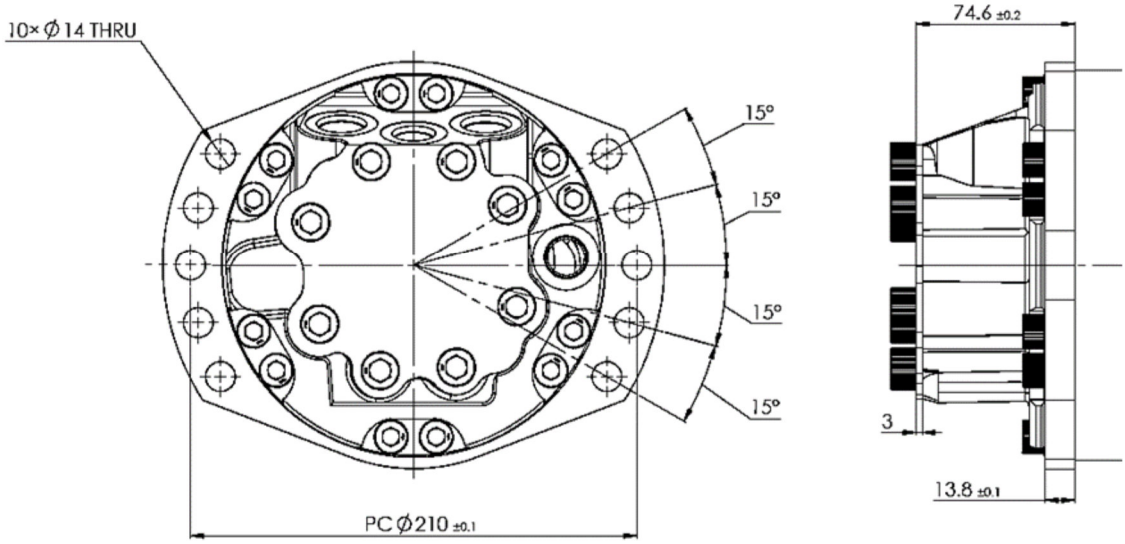


Mounting Details

1: Ø 169.4 mm Wheel Flange

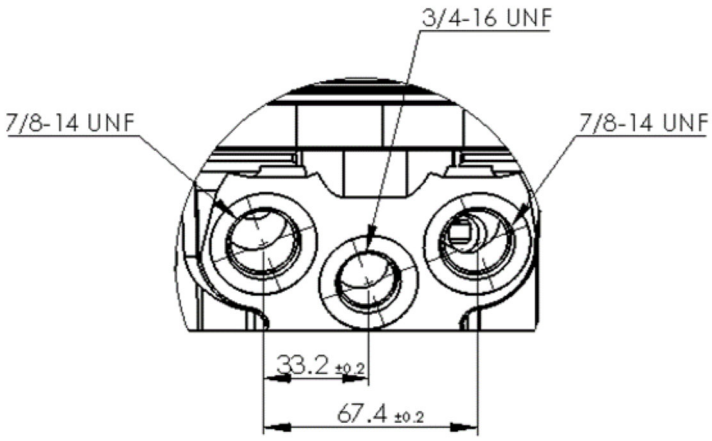


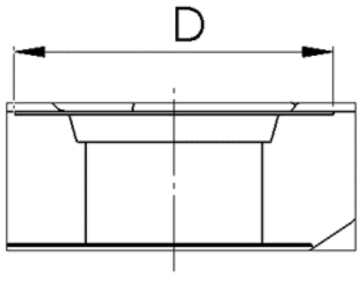
Mounting Details



Ports

- **P: UNF**





- **D: 3/4 – UNF drain port**

Cam Motor

Seals:

- Anti-dust seal (Three lip seal): ID=60.5mm
- Oil seal: OD=62mm, ID=45mm, t=8mm
- Distributor seal ring:
    1. ID=85mm, OD=86.8mm, t=3.15mm + O-ring 2.5dia
    2. ID=75mm, OD=76.8mm, t=3.15mm + O-ring 2.5dia
    3. ID=70mm, OD=71.8mm, t=3.15mm + O-ring 2.5dia

Cam Motor Formulas:

$$Torque = \frac{Flow\ (LPM) X\ Pressure (Bar) (cc/\ rev) X\ 15.91}{RPM\ (rev/min)}$$

$$Flow (LMP) = \frac{Motor\ Speed\ (rev\ /min)\ X\ Pump\ Displacement\ (cc/rev)}{1000}$$