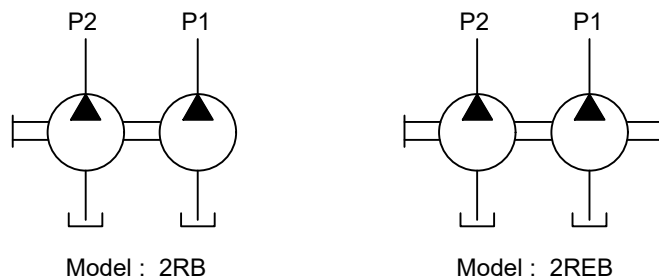


Description

Radial piston Double pump model 2RB & 2RBE are arrangement with 3,5 or 7 pumping elements in each outlet of the pump. External mounting type, Face Mounting. valve Control, Fixed delivery, Bi-Directional rotation of shaft. It is extension shaft for through drive with extension bracket assembly for coupling a low pressure pump having standard flanges.

Hydraulic Symbol

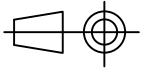


Technical Specification

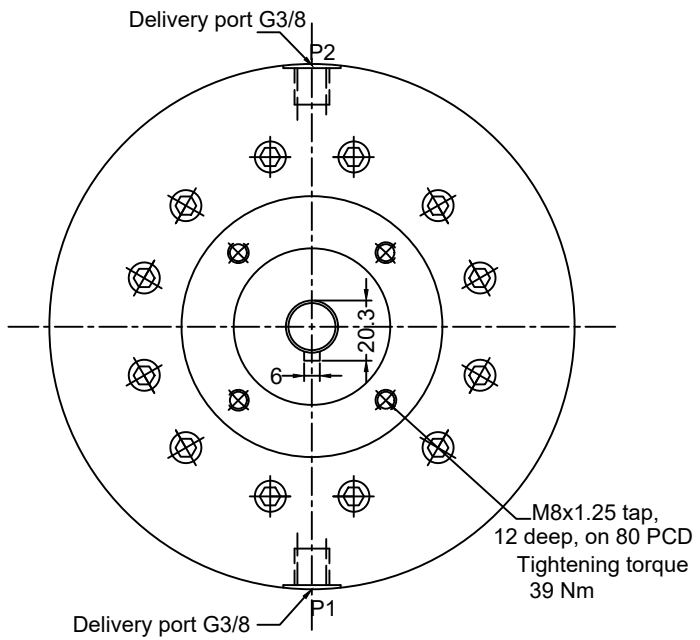
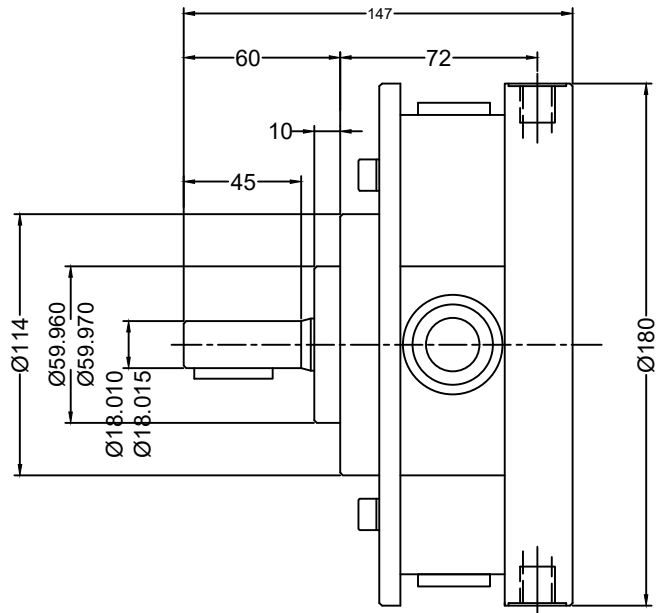
Design	:	2RB is a basic radial piston double pump, 2RBE is a radial piston double pump with extension shaft. These pumps are valve controlled and oil immersed.
No. of pumping elements	:	3, 5 or 7, each at P1 & P2 port depending upon flow required.
Mounting interface	:	Factory standard, face mounting.
Direction of rotation	:	2RB - Bi-directional pump 2RBE - Depends upon the direction rotation of pump attached.
Connection	:	Suction port - Sucks oil directly from tank, no suction port Delivery port (P) - G3/8 female
Speed range	:	300 to 2000 rpm
Flow and Pressure	:	Refer Performance table.
Torque limitation	:	Input drive shaft - 75 Nm Extension shaft - 53 Nm
Hydraulic medium	:	Mineral oil
Viscosity range	:	10 cSt to 100 cSt
Temperature range	:	-20°C to +80°C
Fluid cleanliness req.	:	ISO 4406 20/18/15 or better
Mass	:	2RB3 - 9.0 kg, 2RBE3 - 9.1 kg, 2RB5- 13.3 kg, 2RBE5 - 13.5 kg, 2RB7- 14.5 kg, 2RBE7- 14.7 kg.

Unit Dimension

Dimensions in mm

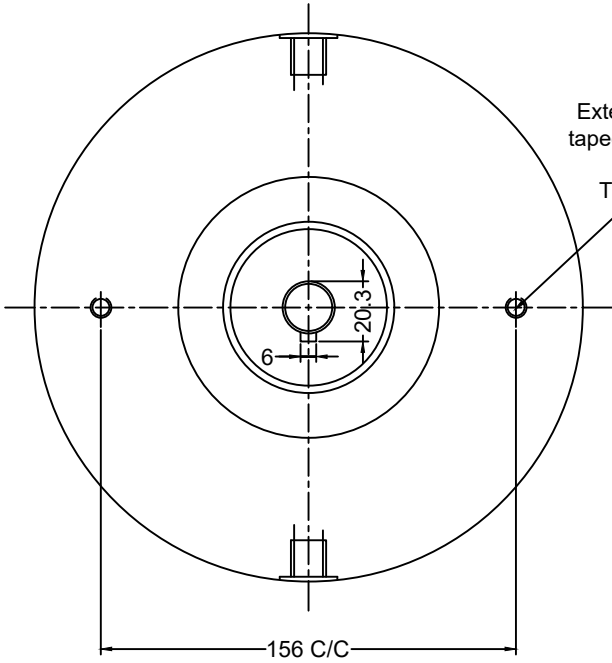


Model : 2RB3

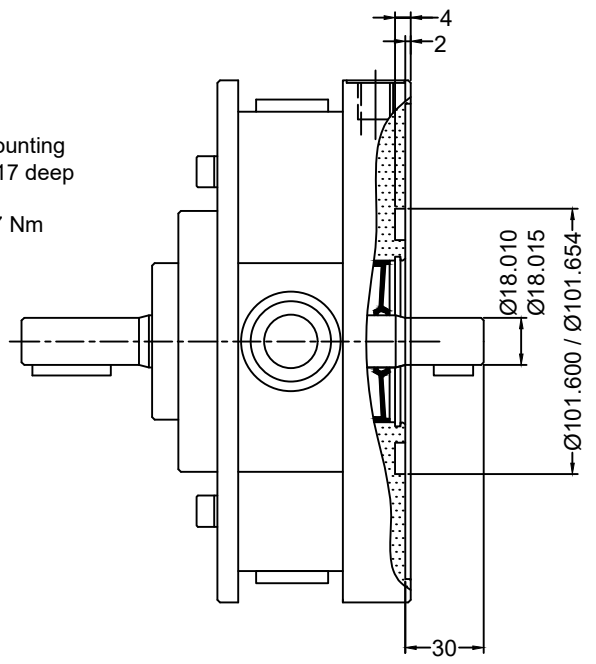


Model : 2RBE3

**Extension Bracket (for through drive)
Dimensions**

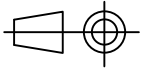


Extension Bracket Mounting
taped holes M10 tap, 17 deep
2 nos.
Tightning torque 77 Nm

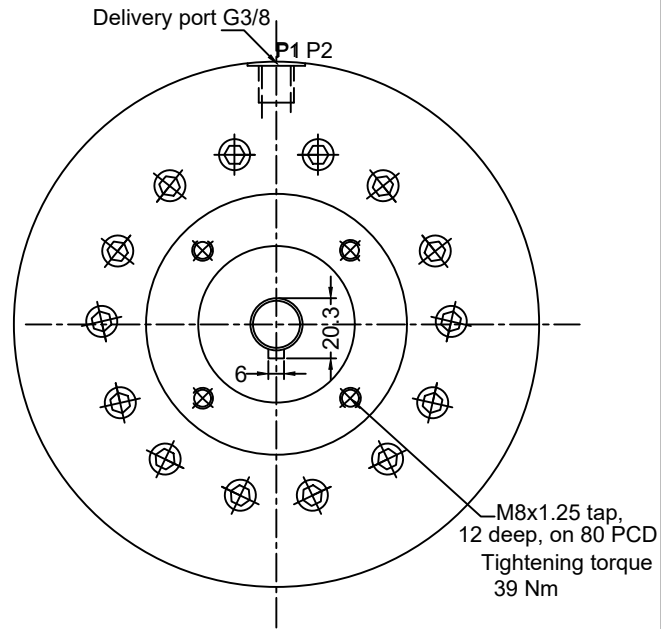
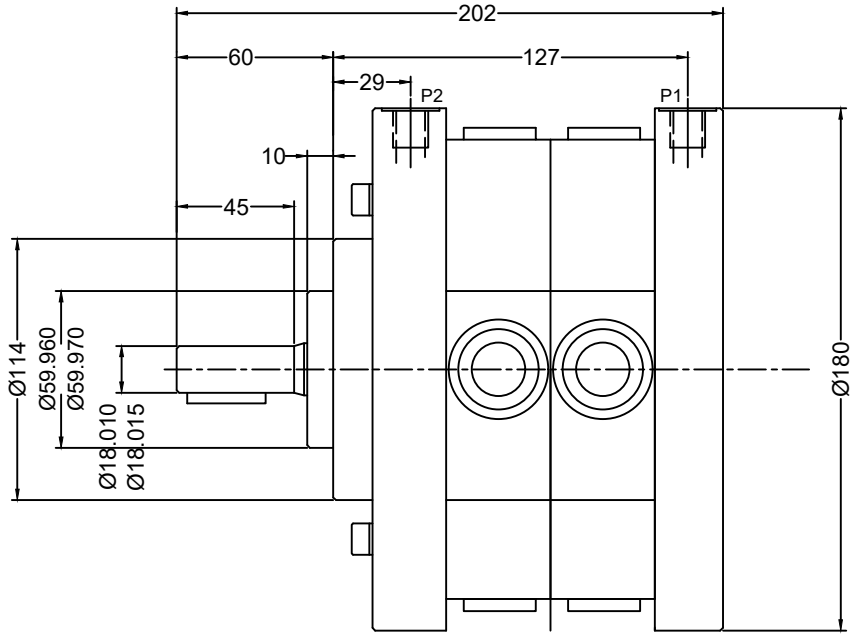


Unit Dimension

Dimensions in mm



Model : 2RB5 or 2RB7

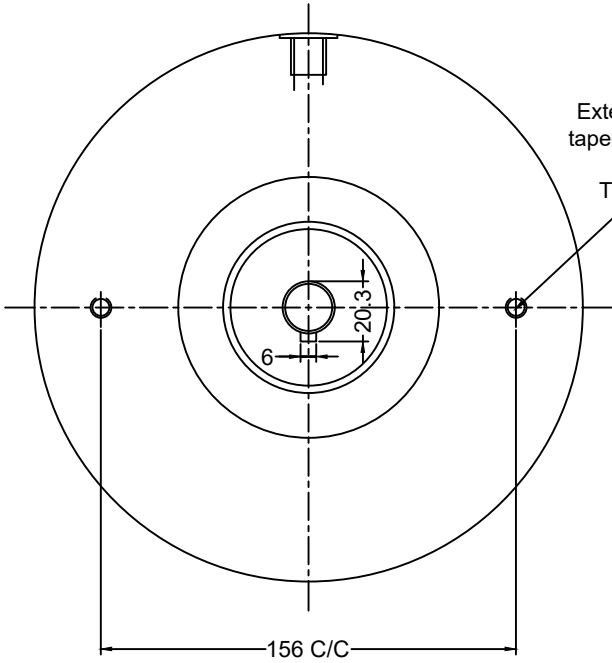


M8x1.25 tap,
12 deep, on 80 PCD
Tightning torque
39 Nm

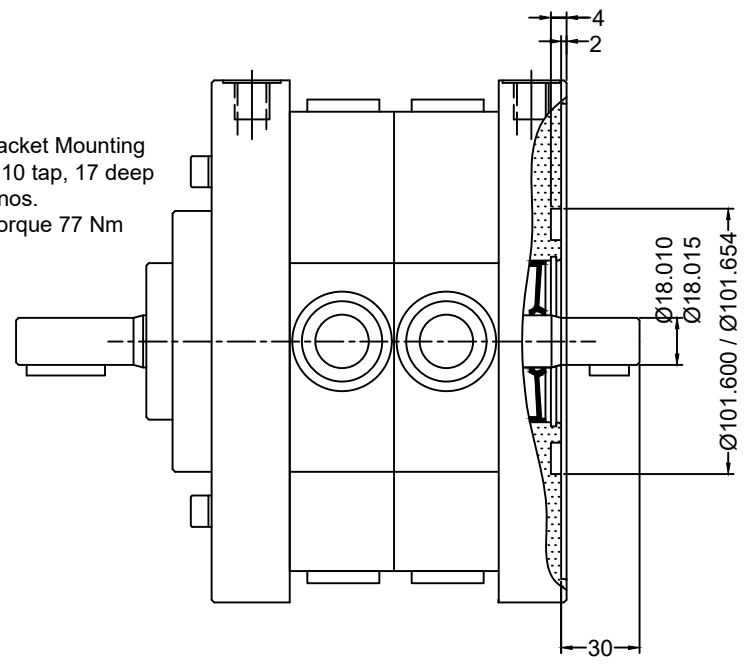
Model : 2RBE5 or 2RBE7

Extension Bracket (for through drive)

Dimensions



Extension Bracket Mounting
taped holes M10 tap, 17 deep
2 nos.
Tightning torque 77 Nm



Performance Table

No. of Pumping Elements per section	Element Type	Geometrical displacement in cm ³ /r	Pump Output in l/min at 1450 rpm per section	Max Operating pressure in bar	Pressure in bar													
					50	100	150	200	250	300	350	400	450	500	550	600	650	700
					Power required per section to drive the pump in kW													
3	Z	0.69	0.9	700	0.10	0.19	0.29	0.39	0.48	0.58	0.68	0.77	0.87	0.96	1.06	1.16	1.25	1.35
5		1.15	1.5		0.16	0.32	0.48	0.64	0.80	0.96	1.13	1.29	1.45	1.61	1.77	1.93	2.09	2.25
7		1.61	2.2		0.23	0.45	0.68	0.90	1.13	1.35	1.58	1.80	2.03	2.25	2.48	2.70	2.93	3.15
3	A	1.20	1.6	550	0.17	0.34	0.51	0.69	0.86	1.03	1.20	1.37	1.54	1.71	1.89			
5		2.00	2.7		0.29	0.57	0.86	1.14	1.43	1.71	2.00	2.29	2.57	2.86	3.14			
7		2.80	3.8		0.40	0.80	1.20	1.60	2.00	2.40	2.80	3.20	3.60	4.00	4.40			
3	B	1.89	2.6	450	0.27	0.54	0.80	1.07	1.34	1.61	1.88	2.14	2.41					
5		3.15	4.3		0.45	0.89	1.34	1.89	2.23	2.68	3.13	3.57	4.02					
7		4.41	6.0		0.63	1.25	1.88	2.50	3.13	3.75	4.38	5.00	5.63					
3	C	2.70	3.7	350	0.39	0.77	1.16	1.54	1.93	2.32	2.70							
5		4.50	6.2		0.64	1.29	1.93	2.57	3.22	3.86	4.50							
7		6.30	8.6		0.90	1.80	2.70	3.60	4.50	5.40	6.30							
3	D	3.18	4.3	300	0.45	0.91	1.36	1.81	2.26	2.72								
5		5.30	7.2		0.75	1.51	2.26	3.02	3.77	4.53								
7		7.42	10.1		1.06	2.11	3.17	4.23	5.28	6.34								
3	E	3.69	5.0	250	0.53	1.05	1.58	2.10	2.63									
5		6.15	8.4		0.88	1.75	2.63	3.50	4.38									
7		8.61	11.7		1.23	2.45	3.68	4.90	6.13									
3	F	4.23	5.8	200	0.60	1.21	1.81	2.41										
5		7.05	9.6		1.00	2.01	3.01	4.02										
7		9.87	13.5		1.41	2.81	4.22	5.63										

1kW = 1.3410 hp

Note : Torque limitation - The sum of torque used for the piston pump and torque used at extension shaft end should not exceed 75 Nm (11 kW at 1450 rpm)

Ordering Code

