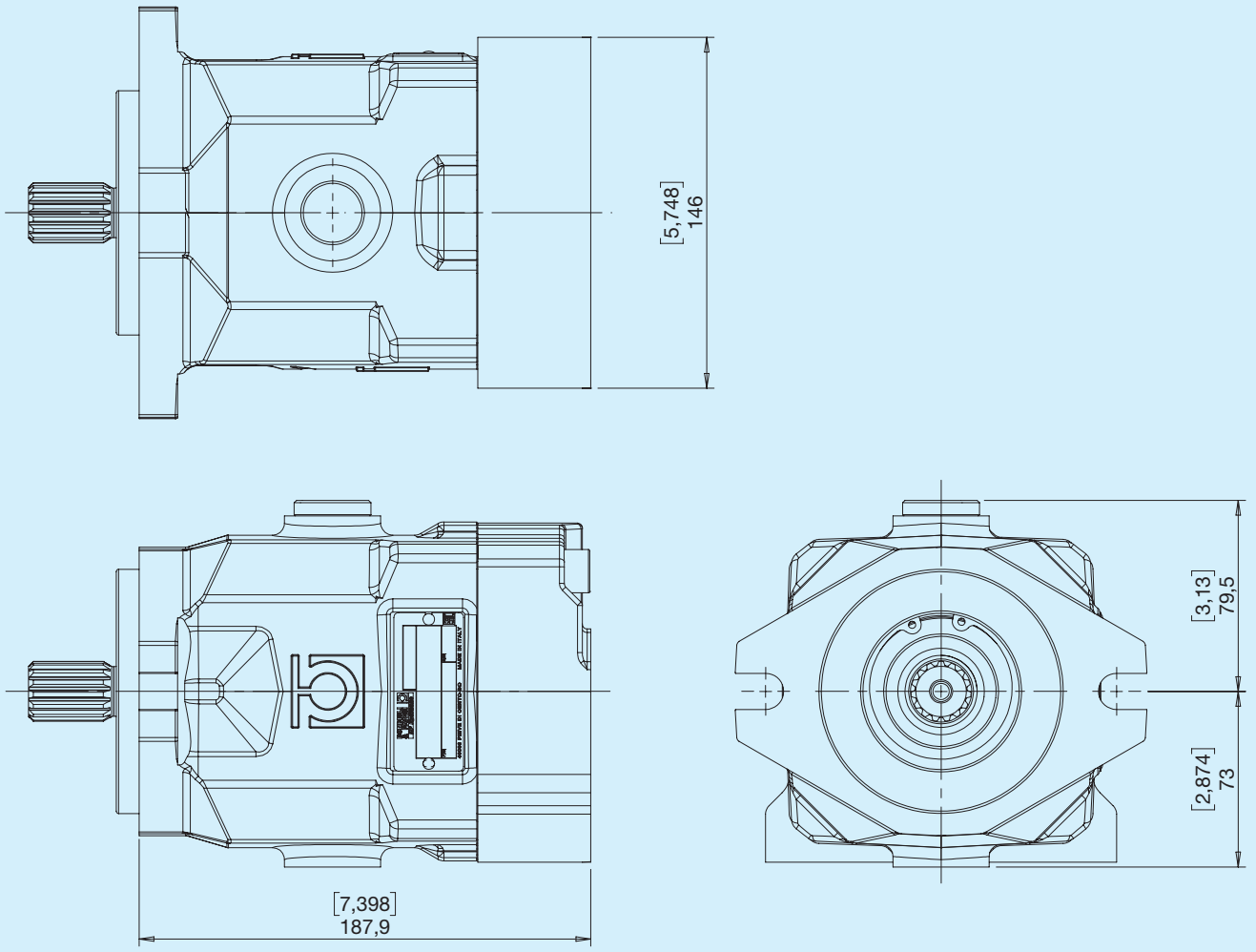
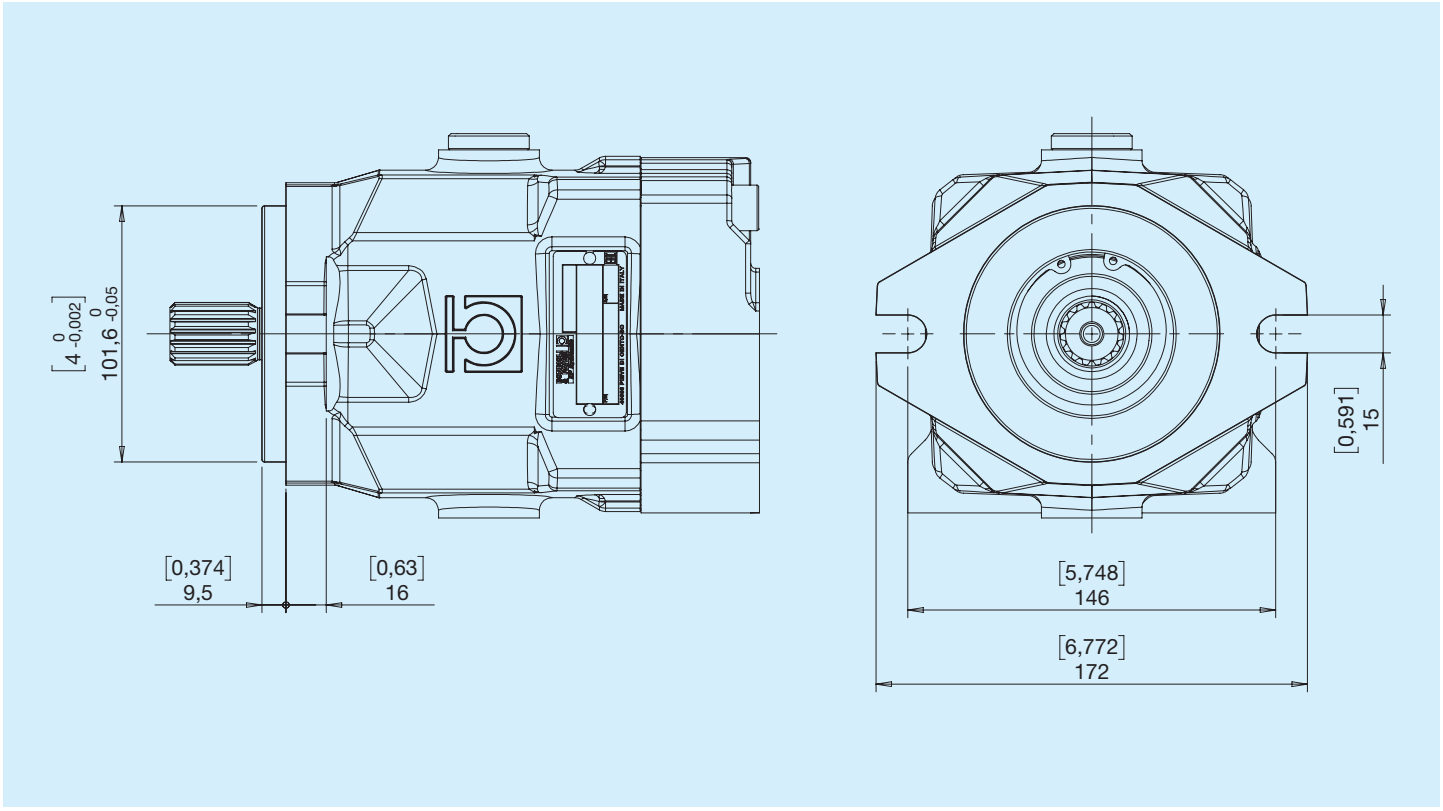
Fixed-displacement motors M4MF34-46-50-58-65

Before use, carefully read the GENERAL INSTRUCTIONS FOR USE OF CLOSED CIRCUIT AXIAL PISTON PUMPS AND MOTORS.

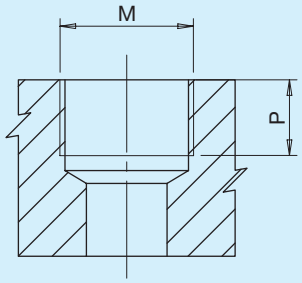


M4MF	Theoretical displacement		Swash plate	Pressure						Rotational speed		Weight	
				continue		intermittent		peak		MAX	MIN		
	cm^3	in^3	°	bar	psi	bar	psi	bar	psi	min^{-1}	min^{-1}	kg	lbs
34	34	2.06	18	250	3625	330	4785	400	5800	3600	500	13	28.6
46	46	2.81	19	250	3625	330	4785	400	5800	3600	500	13	28.6
50	50	3.05	18	250	3625	330	4785	400	5800	3600	500	14	30.8
58	58	3.54	18	250	3625	330	4785	400	5800	3600	500	14	30.8
65	65	3.97	18	250	3625	300	4350	350	5075	3600	500	14	30.8

B SAE B

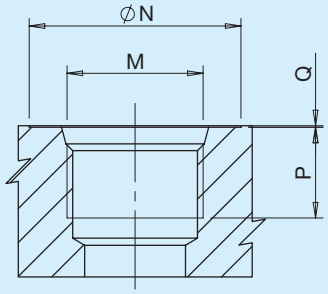


Type G



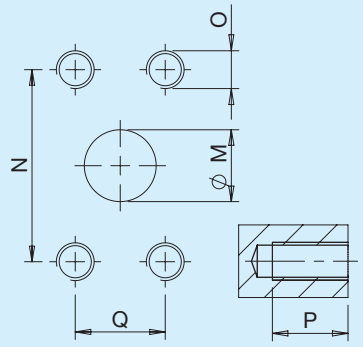
Type	M		P	
		Nm	**mm**	**in**
G6	Port ISO 1179-1 - G 3/4	90	20	0.79
G6	Port ISO 1179-1 - G 3/4	90	20	0,79

Type U



Type	Dim.	N		P		Q		M	
		mm	**in**	**mm**	**in**	**mm**	**in**		**Nm**
U6	3/4'	42	1.65	20	0.79	0.3	0.01	Port ISO 11926-1-1 1/16-12	90
U6	3/4'	42	1,65	20	0,79	0,3	0,01	Port ISO 11926-1-1 1/16-12	90

Type N

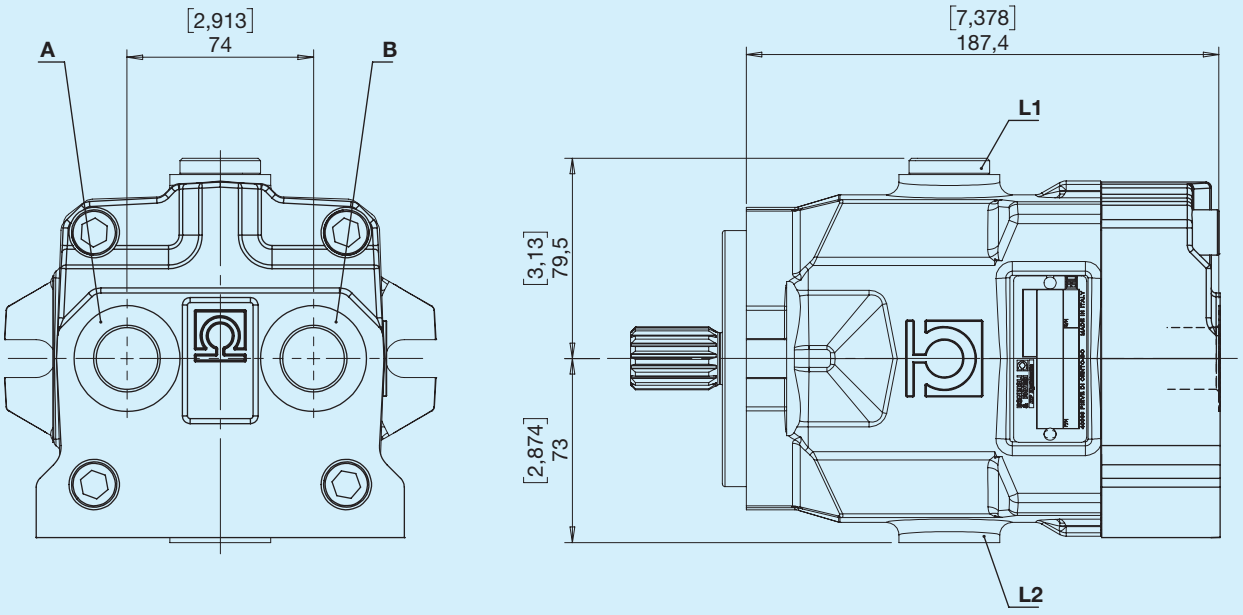


Type	M		N		Q		P		O	
	mm	**in**	**mm**	**in**	**mm**	**in**	**mm**	**in**		**Nm**
N6	19	0.75	50.8	2	23.8	0.94	20	0.79	M10	38

Combinations

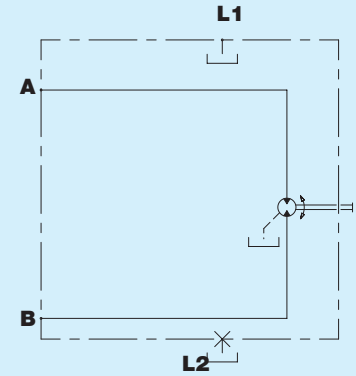
Type	Ingresso/Uscita **A-B**	Drain port **L1-L2**	Pilotaggio **X**
R	G6	G6	G6
U	U6	U6	U6
N	N6	G6	G1
M	N6	U6	U2

1 Rear



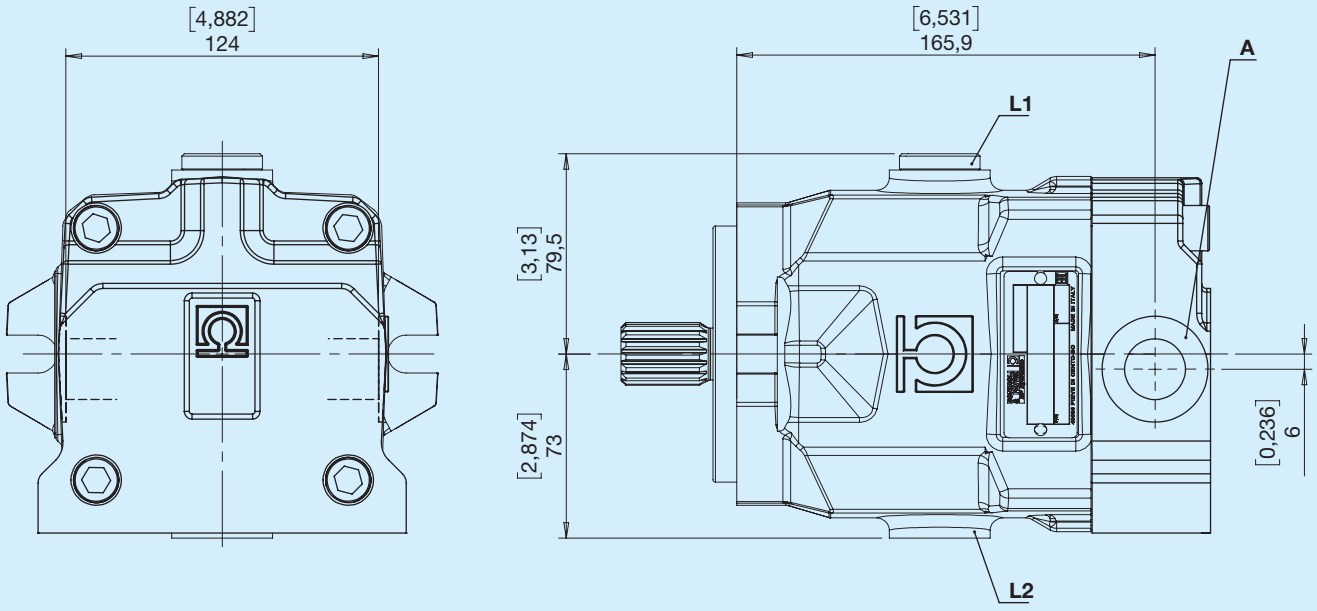
Not available in version N6

Hydraulic diagram



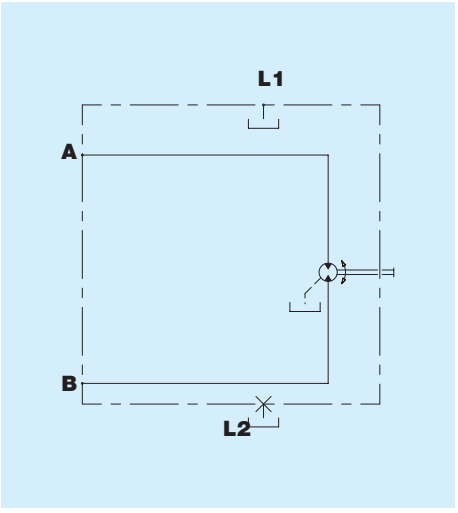
A,B - Use
L1, L2 - Drain port

L Opposite sideways



Not available in version N6

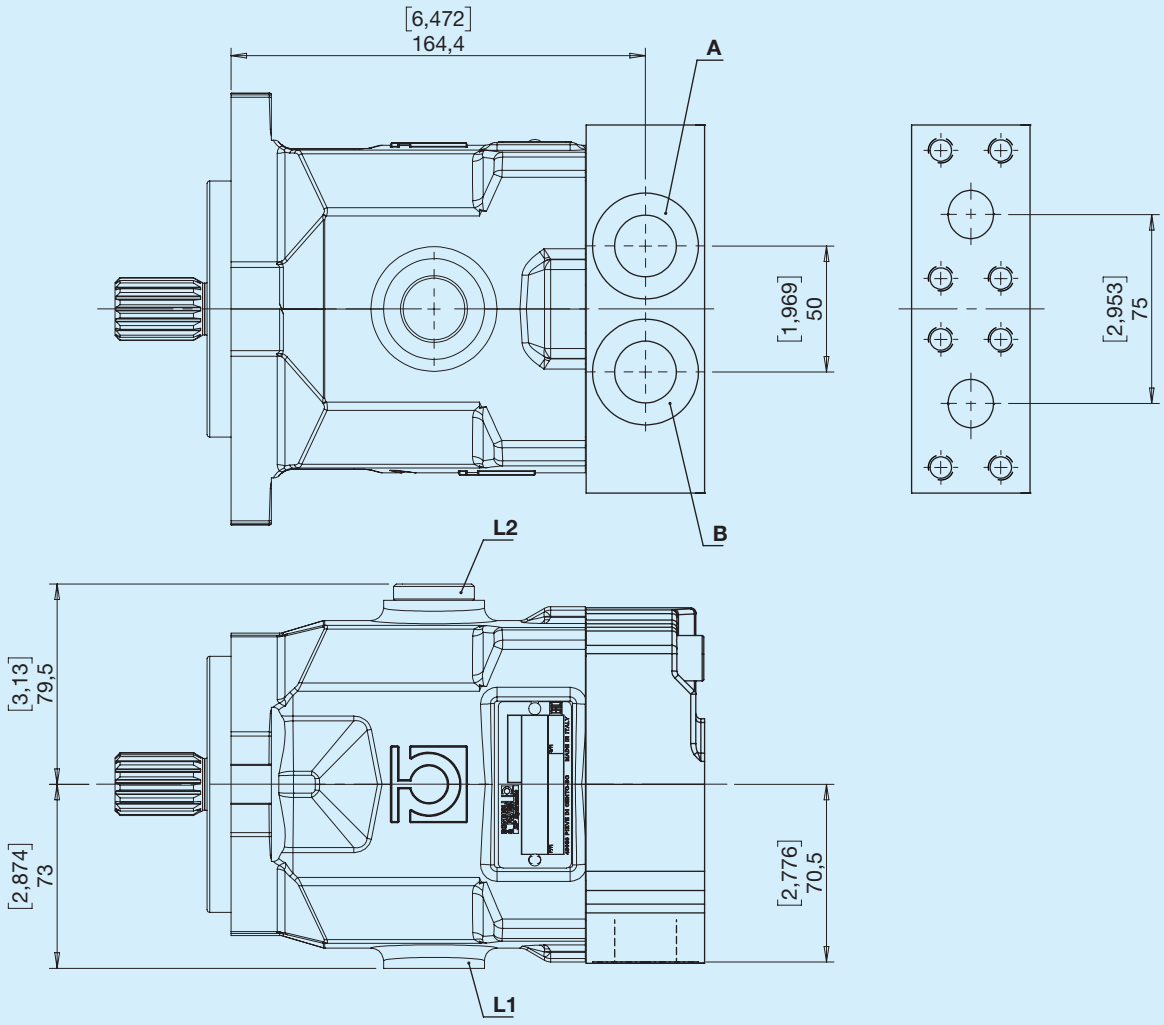
Hydraulic diagram



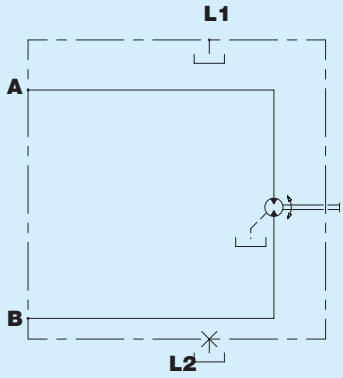
A,B - Use
L1, L2 - Drain port

Position of ports

A Coupled sideways

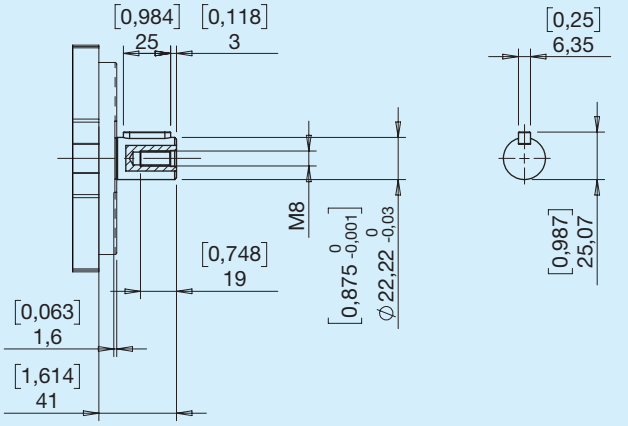


Hydraulic diagram



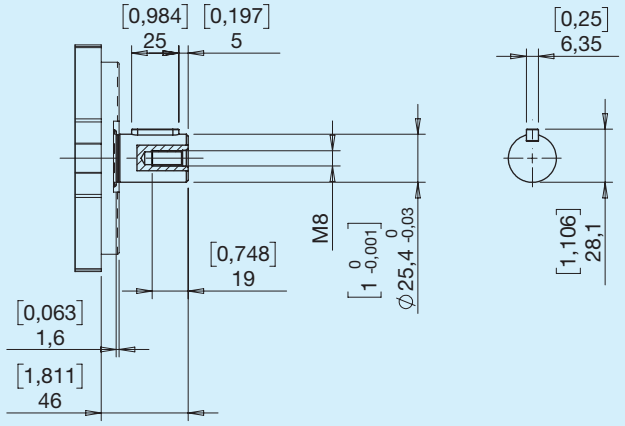
A,B - Use
L1, L2 - Drain port

1 Cylindrical Ø22.22



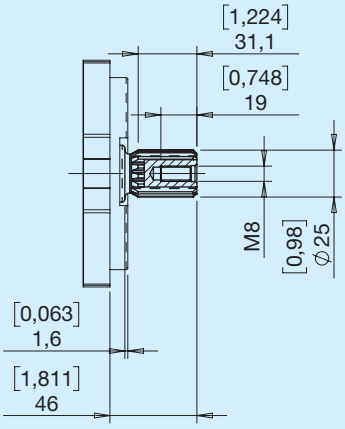
Max. torque 210 Nm

2 Cylindrical Ø25.4



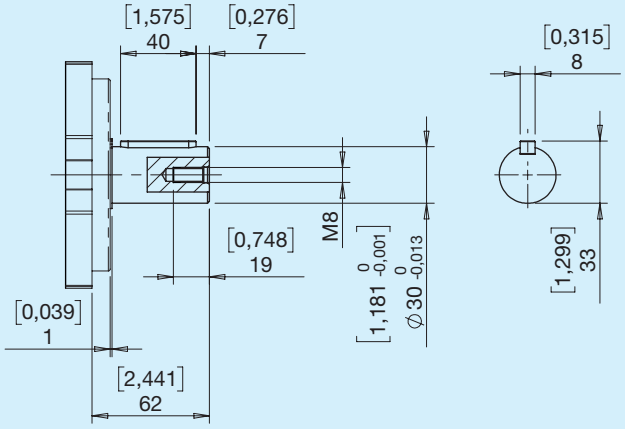
Max. torque 250 Nm

3 SAE 15T 16/32 DP



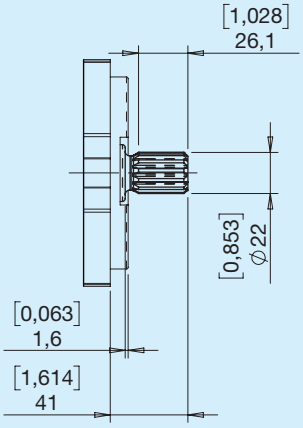
Max. torque 460 Nm

4 Cylindrical Ø30



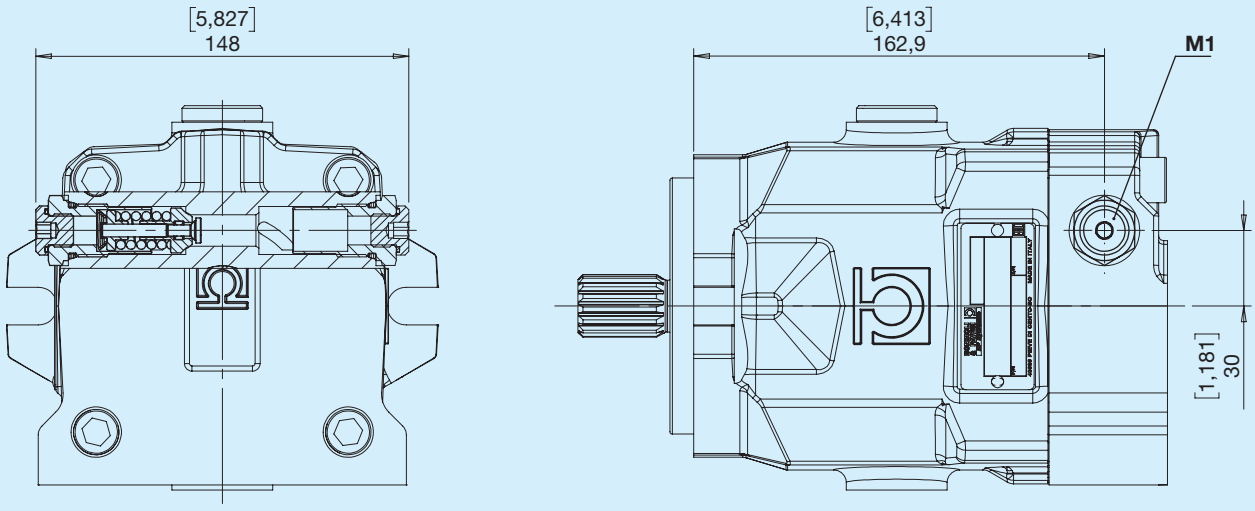
Max. torque 300 Nm

6 SAE 13T 16/32 DP



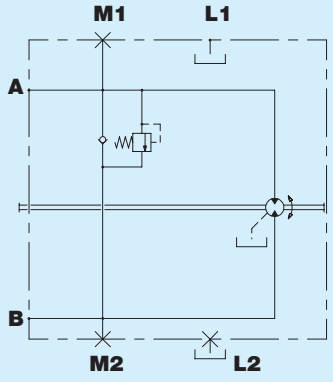
Max. torque 310 Nm

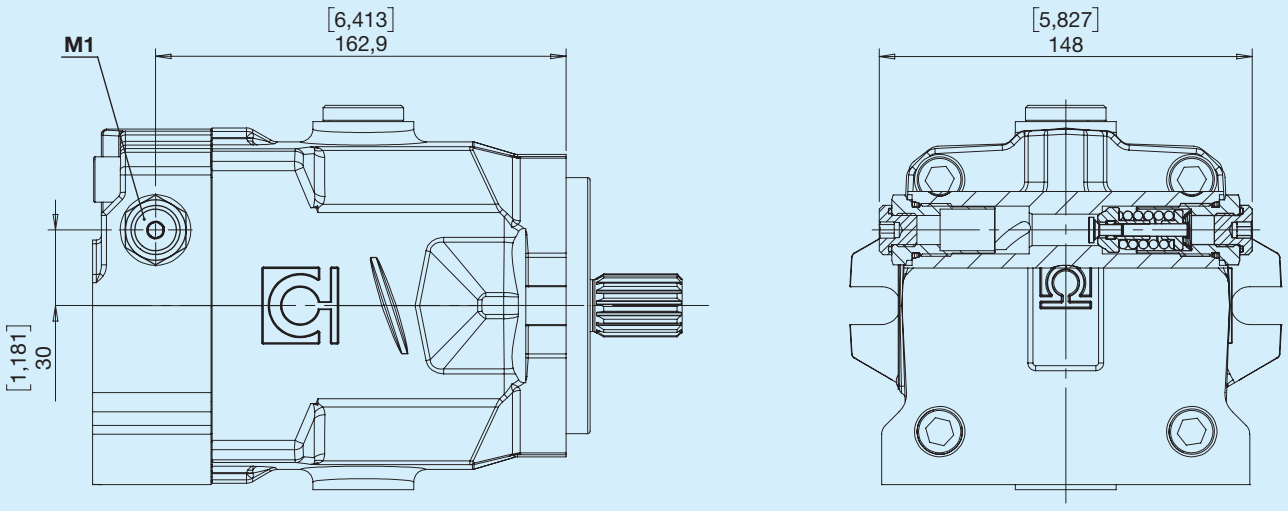
A Anticavitation valve



Pressure valve on branch A

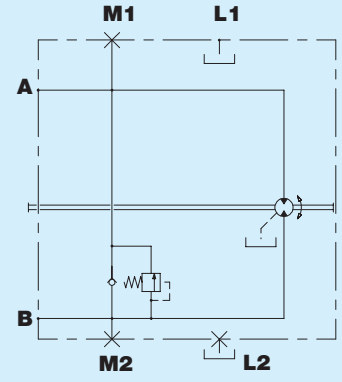
Hydraulic diagram



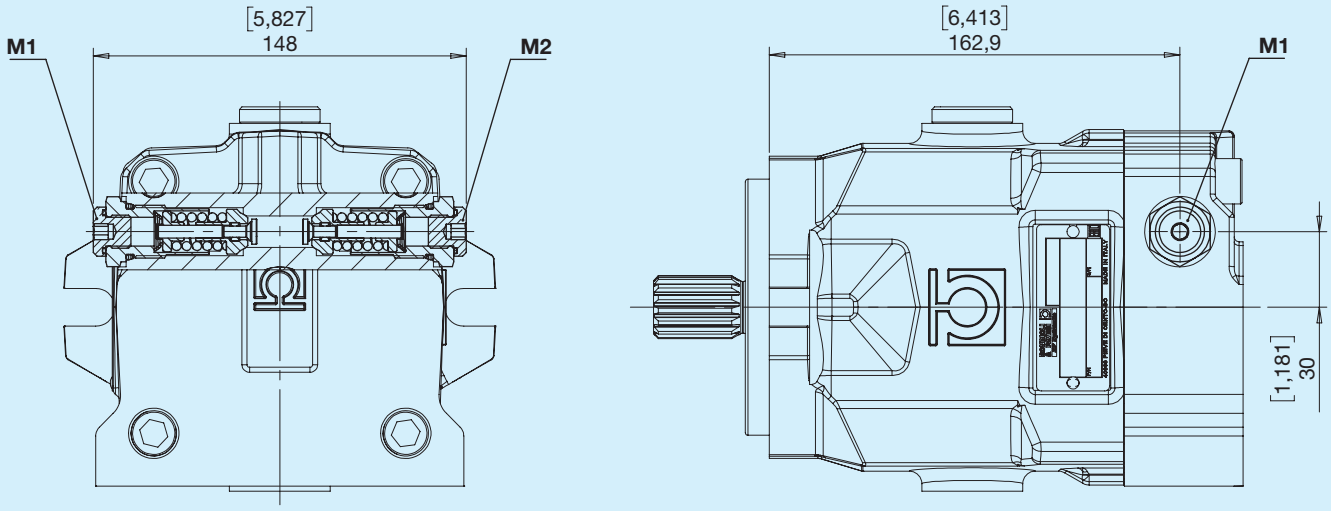


Pressure valve on branch B

Hydraulic diagram

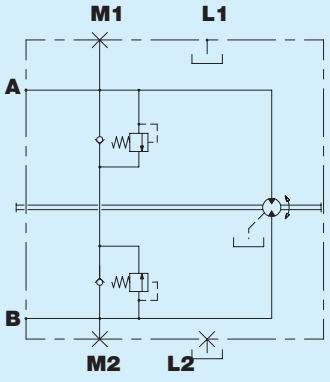


M Pressure relief valve

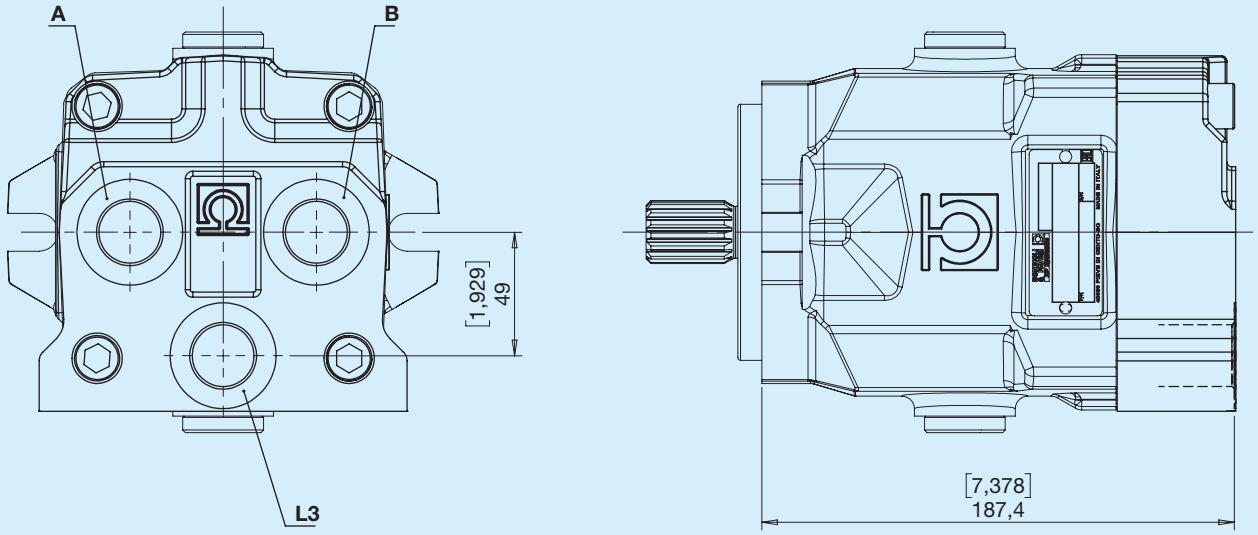


for valve calibration see ordering instructions page

Hydraulic diagram

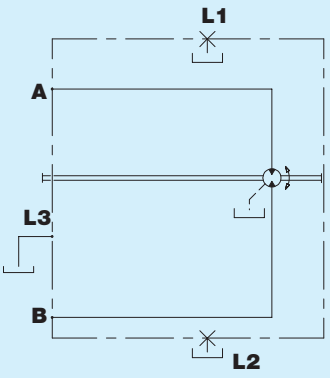


P Rear drainage

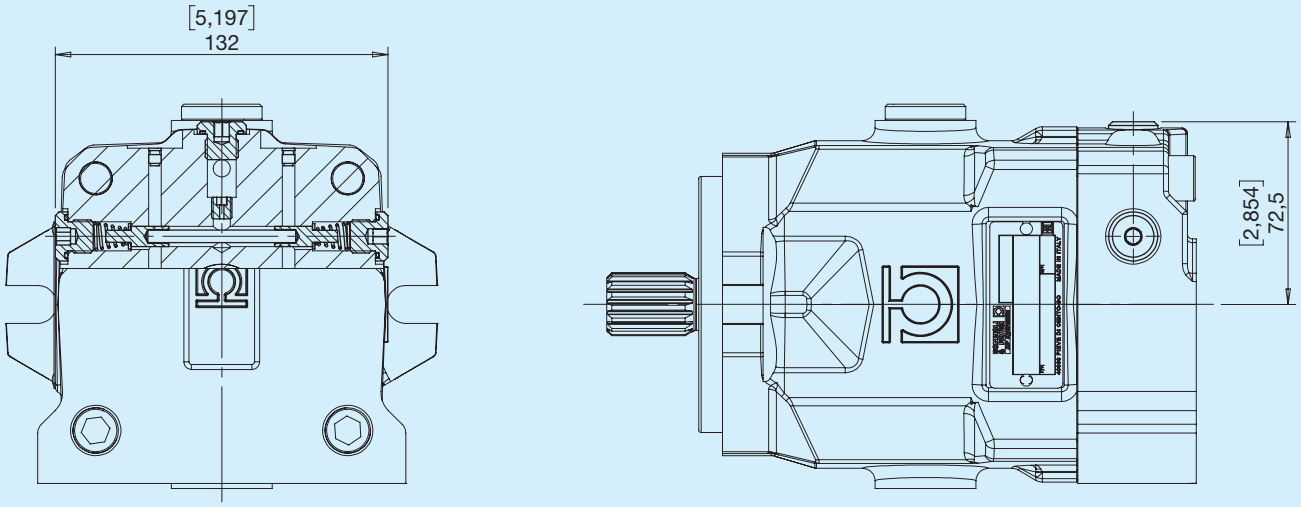


L3 - Drain port

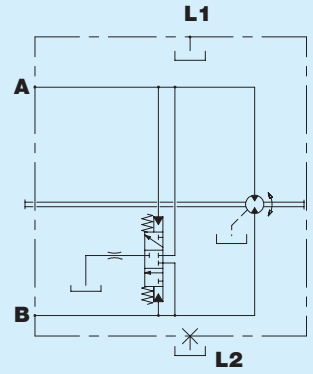
Hydraulic diagram



V Flushing valve (5-7 l/min)



Hydraulic diagram



M4MF34-65	1 2	3 4	5	7	8	7	8	10	11	12 13 14

1 2

Nominal displacement

34	**50**	**65**
46	**58**	

3 4

Displacement

...

5

Flanges

B SAE B

7

Type of ports

R Gas	**U** UNF	**N** Gas-Use SAE for ALA use only	**M** Unf-Use SAE for ALA use only

8

Position of ports

1 Rear	**L** Opposite sideways	**A** Coupled sideways

7

Direction of rotation

B Bidirectional

8

Shaft profile

1 Cylindrical Ø22.22	**3** SAE 15T 16/32 DP	**6** SAE 13T 16/32 DP
2 Cylindrical Ø25.4	**4** Cylindrical Ø30	

10

Accessories

0 No option	**C** Paint	**P** Rear drainage	**V** Flushing valve
A Anticavitation valve	**M** Pressure relief and anticavitation valve	**S** Multiple accessories	

11

Valve calibration

0 without valve	**E** 210 bar	**L** 300 bar	**Q** 420 bar
B 150 bar	**G** 250 bar	**O** 350 bar	**R** 450 bar
D 180 bar	**I** 280 bar	**P** 400 bar	

12 13 14

Special versions

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BONDIOLI & PAVESI HP Hydraulic