

MF34,46,50,64 Series



Axial Piston Motors Fixed Displacement

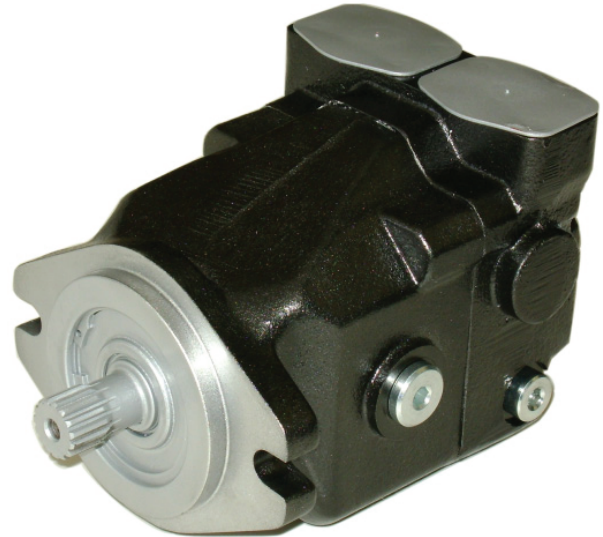
FEATURES

The fixed displacement axial piston motors feature a swashplate system and may operate in either closed or open circuit.

Proper selection of materials and the use of steel cylinder blocks with inserted bushings guarantee the high performance of these motors, in terms of maximum speed and working pressure.

- Exceptionally high power/weight ratio
- Excellent volumetric and mechanical efficiency
- Long life
- Compact design
- Exchange valve fitted as optional

All dimensions are unchanged.



TECHNICAL DATA

SERIES		MF 34 - 46 - 50 - 64
Displacement	cc/rev	34-46-50-64 (2.07 - 2.80 - 3.05 - 3.90)
Maximum rotation speed continuous	min ⁻¹	3600
Maximum rotation speed intermittent	min ⁻¹	3800
Pressure rating	bar (psi)	300 4350
Peak pressure	bar (psi)	400 5800
Maximum housing pressure	bar (psi)	1.5 21.75
Maximum oil continuous temperature	°C	80
ISO filtration class		ISO 18/16/13, NAS 8
Optimised oil viscosity	mm ² /s	15 - 35
Weight	Kg	13
Inertial mass	N · m · s ²	60 x 10 ⁻⁴ - 59 x 10 ⁻⁴

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MODEL CODE

1	2	3	4	5	6	7	8

7-8: Omit if not required

1 - SERIES

MF	Fixed displacement Axial piston motors
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2 - RATED DISPLACEMENT

34	Displacement 34 cm ³
46	Displacement 46 cm ³
50	Displacement 50 cm ³
64	Displacement 64 cm ³

3 - CONNECTIONS

1	Users A - B rear
2	Users A - B coupled sideways
3	Users A - B opposite sideways

4 - DIRECTION OF ROTATION

B	Bidirectional (Std)
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5 - INPUT SHAFT

1	Round shaft Ø30
3	Male splined shaft Z15-16/32-DP (Std)
5	Male splined shaft Z13-16/32-DP
7	Male splined shaft Z21-16/32-DP

6 - PORTS

G	Flange 3/4" SAE-A 6000
U	SAE (UNF Threads)
T	Ports A-B thread 3/4" GAS

7 - OPTIONS

P	Rear drainage
V	Exchange valve

8 - SPECIAL VERSIONS

How to order a motor:
Bidirectional motor 50 cm³ fixed displacement, with rear threaded inlets and splined shaft Z15 16/32" d.p.

MF 50 1 B 3 T

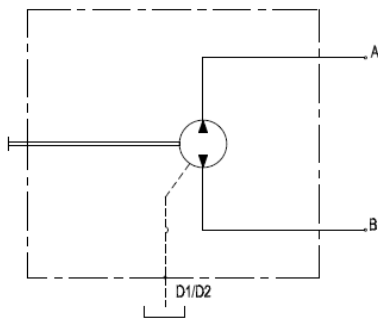
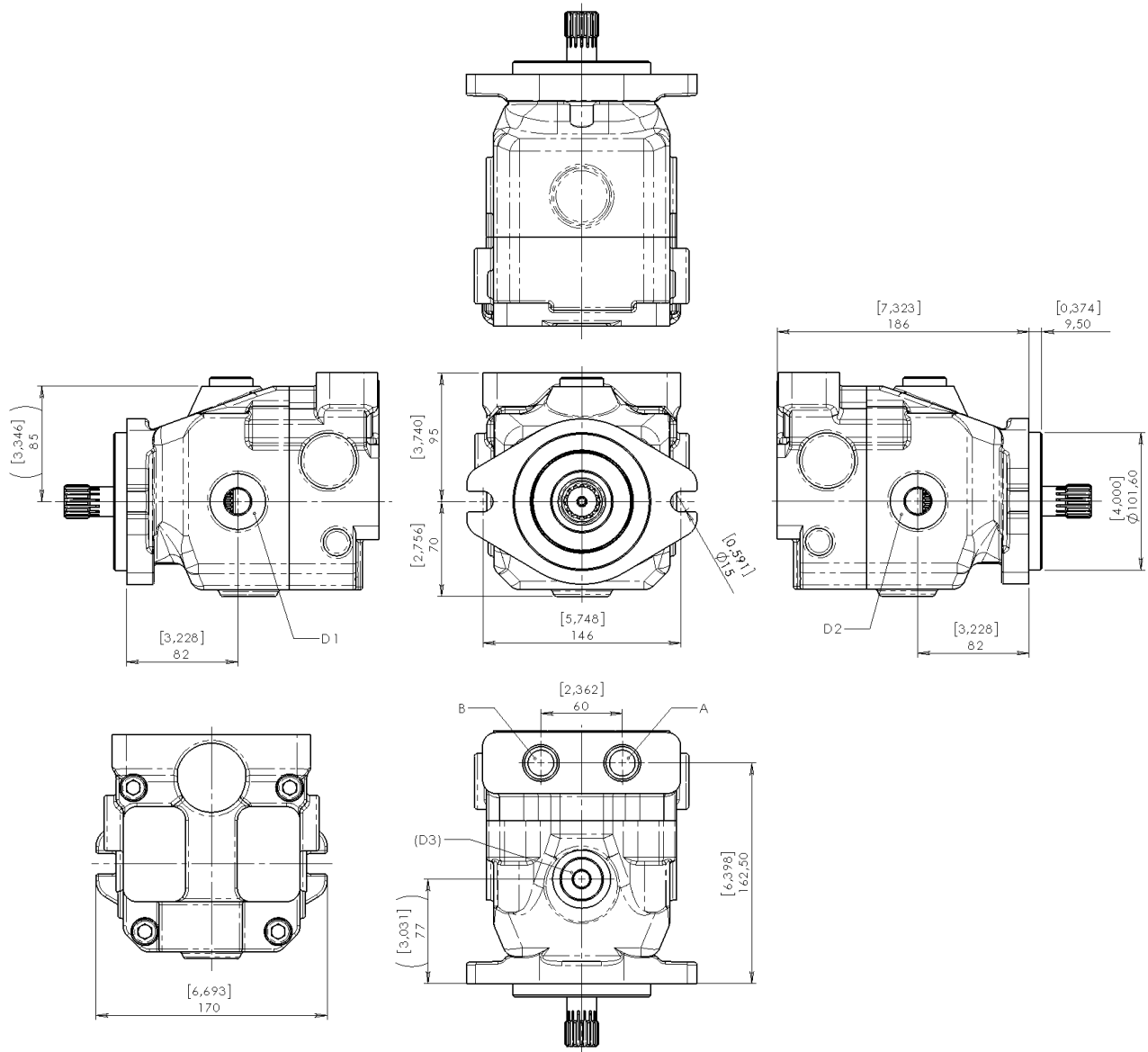
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MOTOR DIMENSIONS

Users A - B Sideways



METRIC Version

A - B: Pressure ports - 3/4" G 3/4 SAE A 6000

D1 - D2 - D3: Drain port - 1/2" G

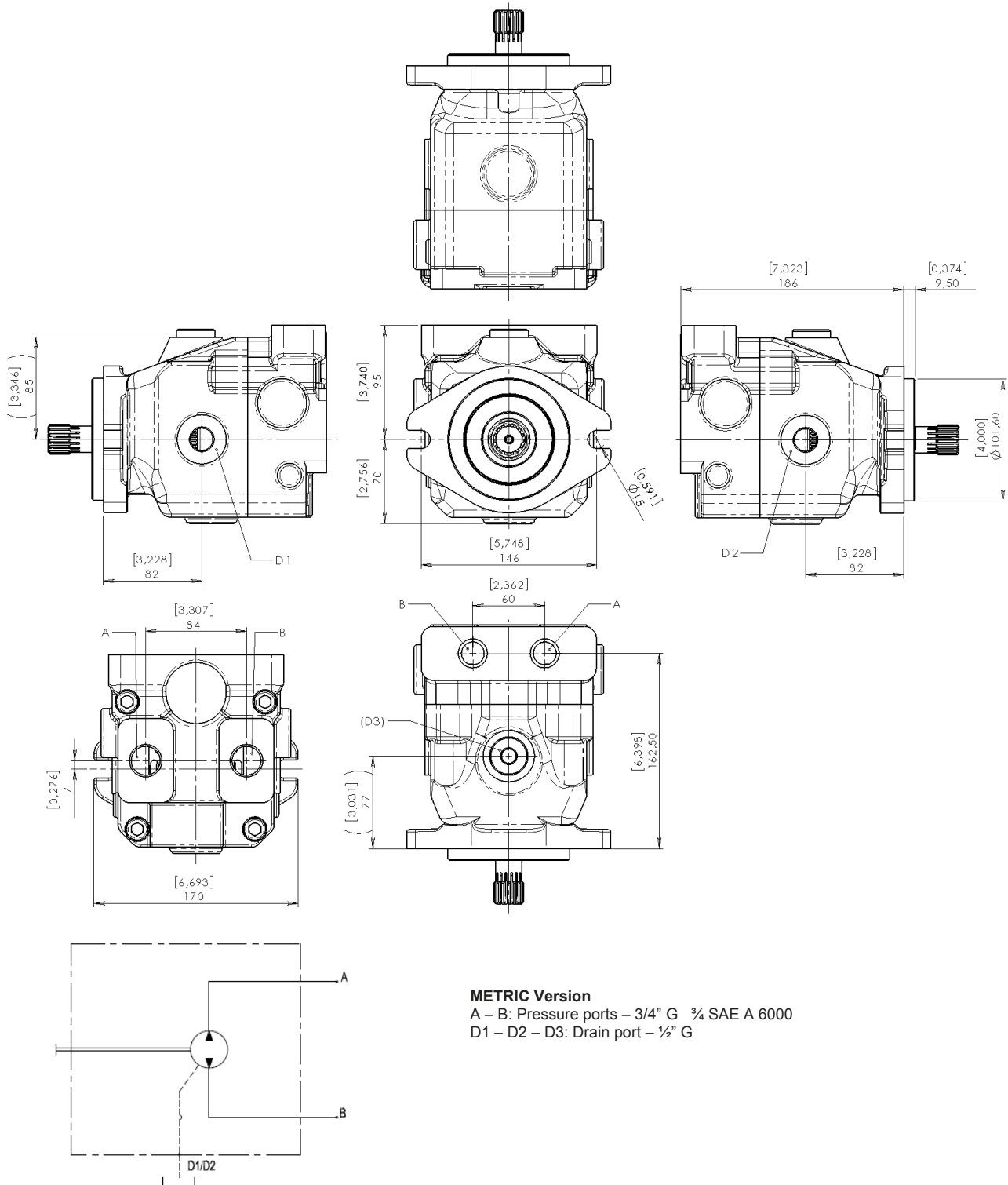
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Axial Piston Motors Fixed Displacement

MOTOR DIMENSIONS

Users A - B Sideways & Rear & 3/4 G



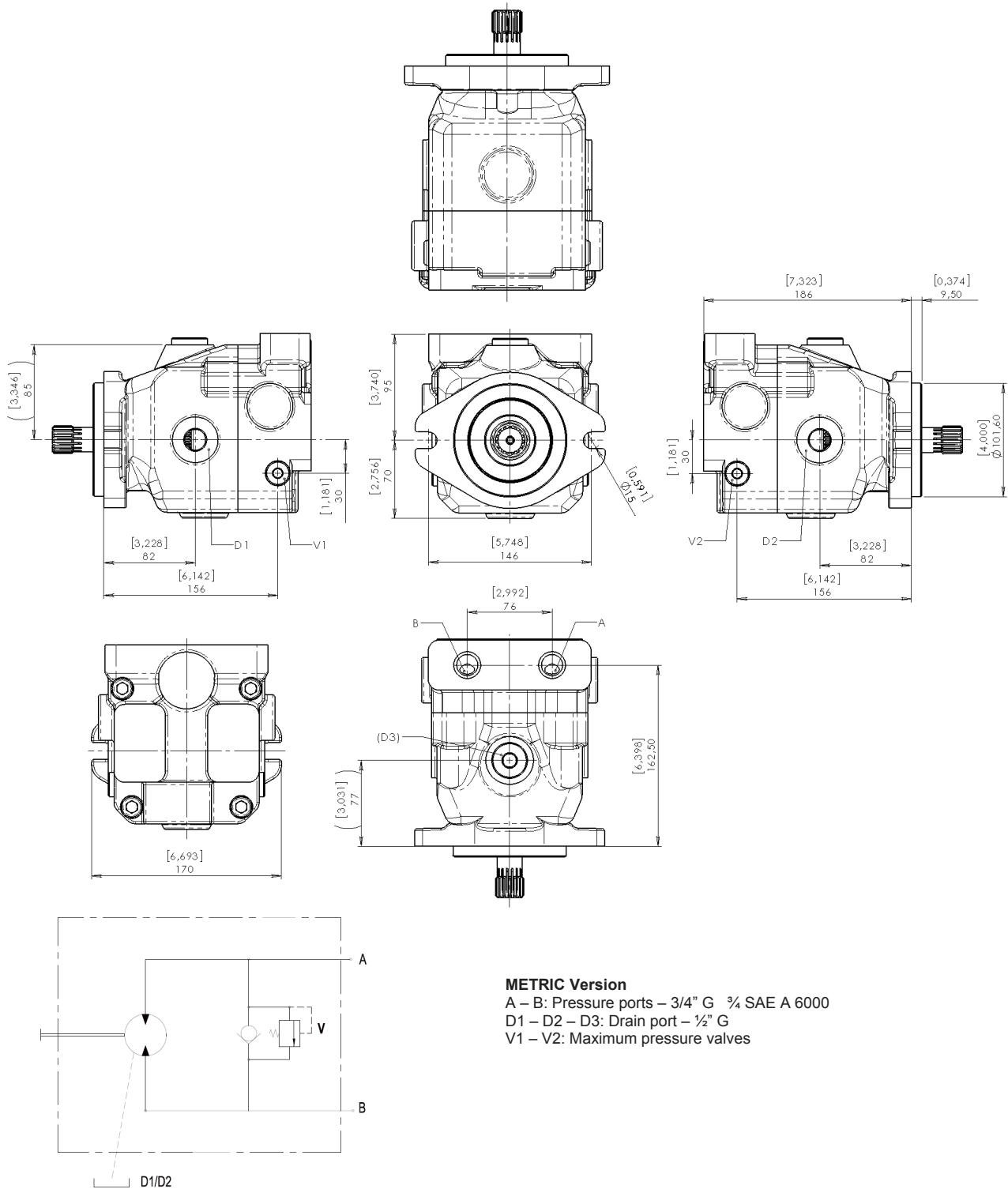
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Axial Piston Motors Fixed Displacement

ACCESSORIES & THROUGH DRIVES DIMENSIONS

Users A - B Sideways & Pressure Relief Valve



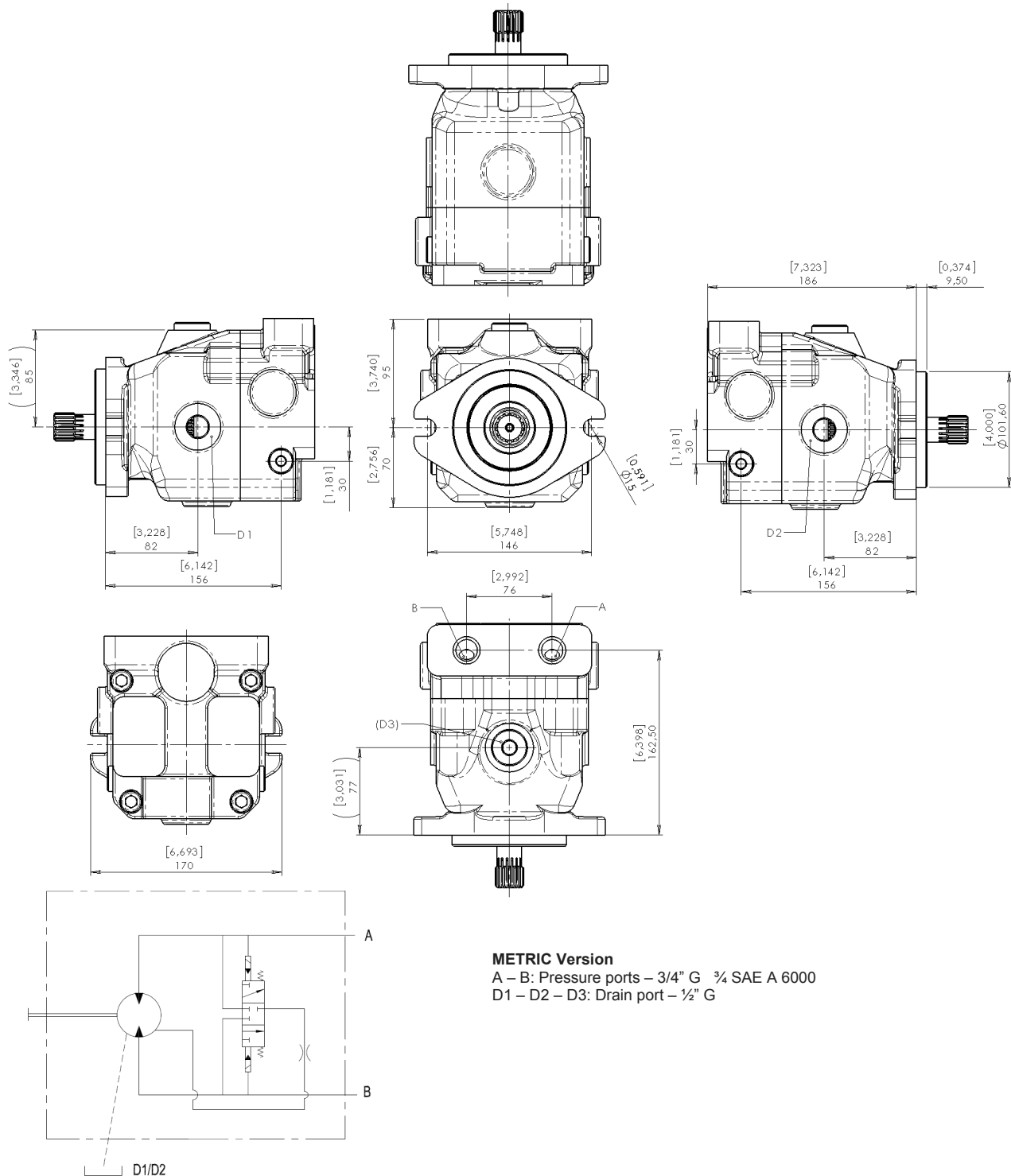
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Axial Piston Motors Fixed Displacement

ACCESSORIES & THROUGH DRIVES DIMENSIONS

Users A - B Sideways & Exchange Valve (5 - 7 l/m)



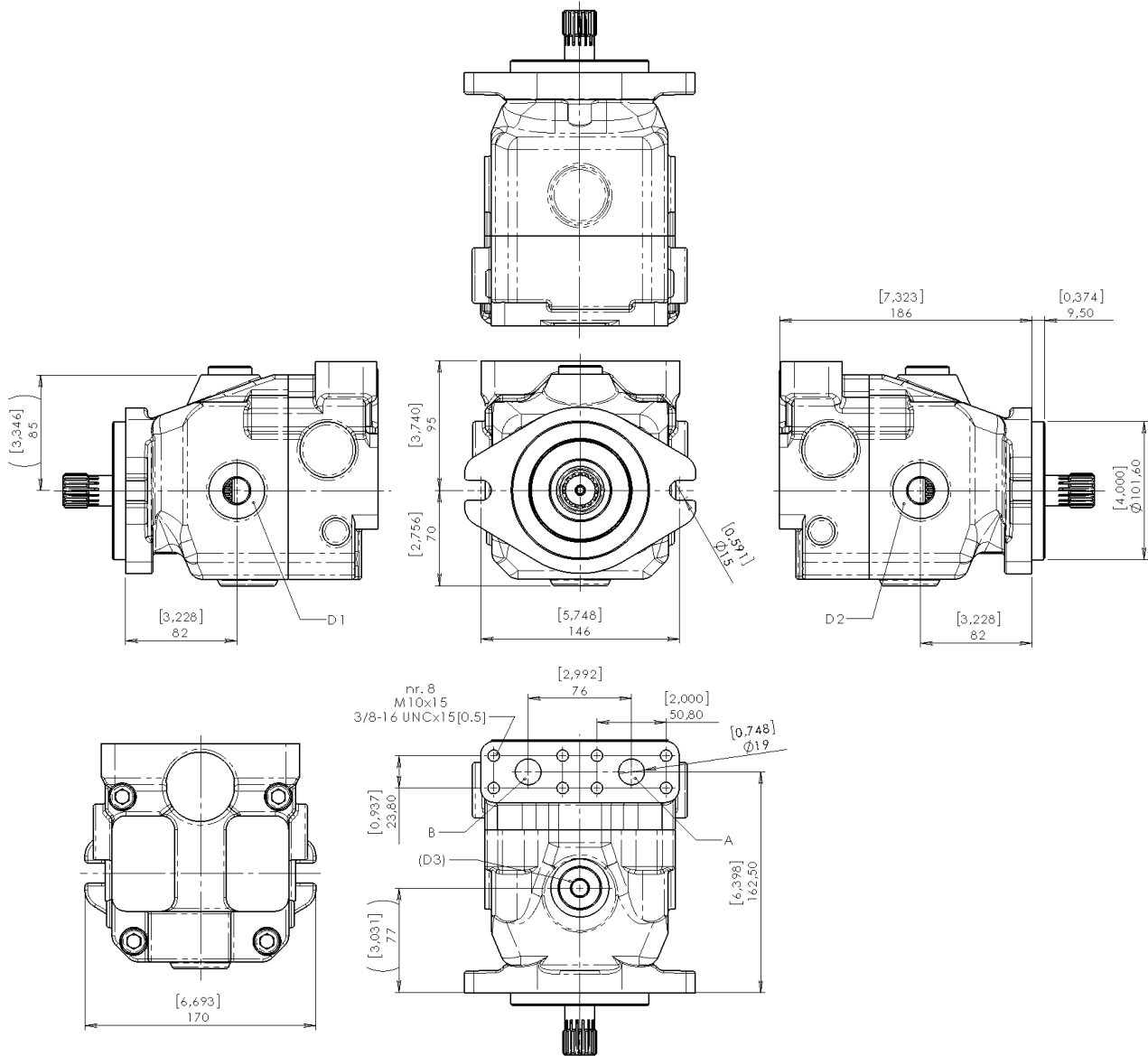
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Axial Piston Motors Fixed Displacement

ACCESSORIES & THROUGH DRIVES DIMENSIONS

Users A - B Sideways & 3/4" - SAE A 6000 Flange



METRIC Version

A - B: Pressure ports - 3/4" G 3/4 SAE A 6000

D1 - D2 - D3: Drain port - 1/2" G

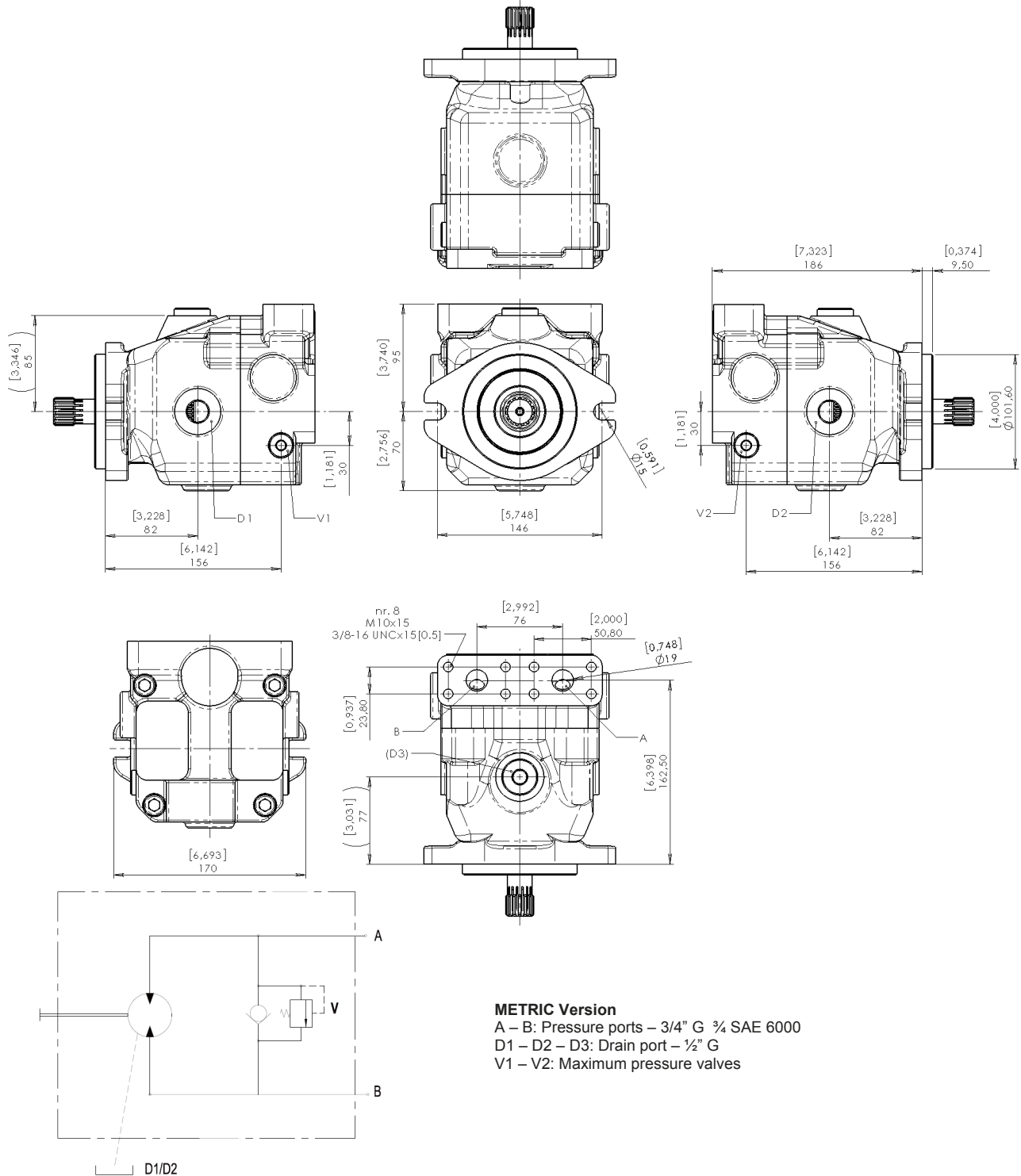
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Axial Piston Motors Fixed Displacement

ACCESSORIES & THROUGH DRIVES DIMENSIONS

Users A - B Sideways & 3/4" - SAE A 6000 Flange & Pressure Relief Valve



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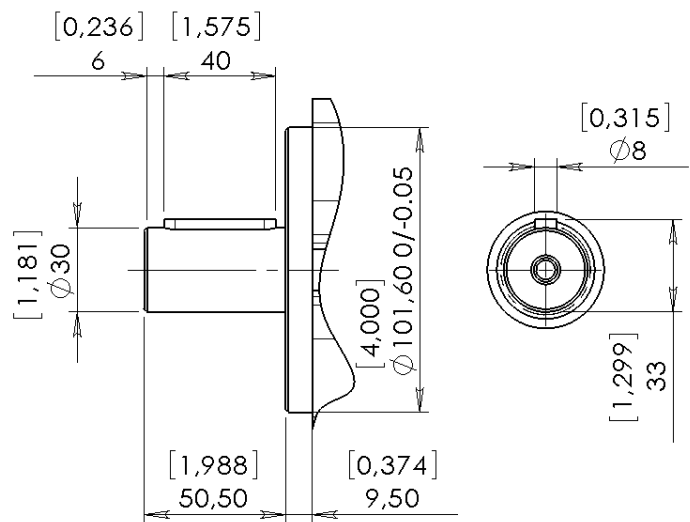


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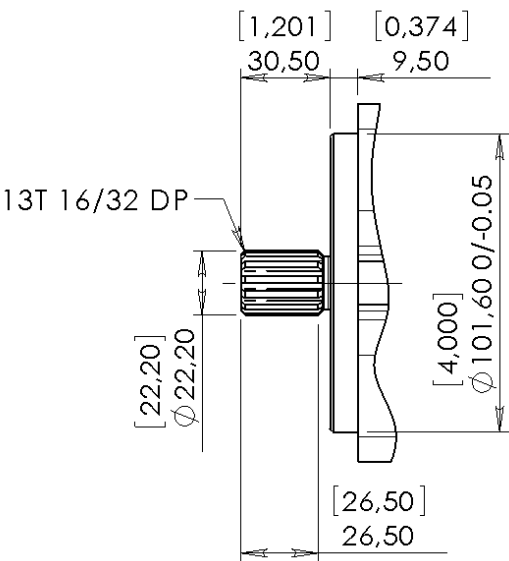
THROUGH DRIVES DIMENSIONS

Spline Shaft

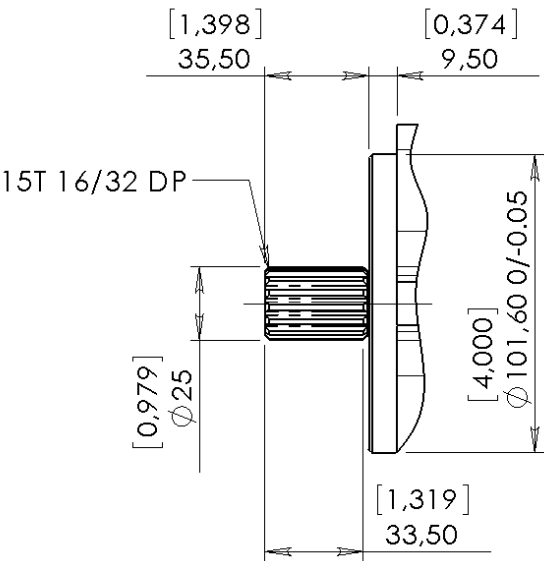
Type 1 - $\varnothing 30$



Type 3 - S T15



Type 5 - S T13



Type 7 - S T21

