

Ordering Code of AA2FM Motors

Motor Code

AA2FM

Displacement (cm³)

108

Drive Shafts

J2

Inlet Ports A - B

R1

Mounting Flange

A

Sealing

N Nitrile

V Viton

A

5

10

12

18

25

32

40

50

56

63

80

108

130

SAE A-B

SAE B

SAE B

SAE B

SAE C

SAE C

SAE C

SAE C

SAE C

SAE C

SAE C

SAE C-D

SAE D

SAE Flange Ports

B1

Bottom

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R1

Rear

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D1

Side

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D2

Side

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Threaded

R2

Rear

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D3

Side

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D4

Side

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SAE J498b SPLINED

J1

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SAE J744 KEYED

J2

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●

●

5

10

12

18

25

32

40

50

56

63

80

108

130

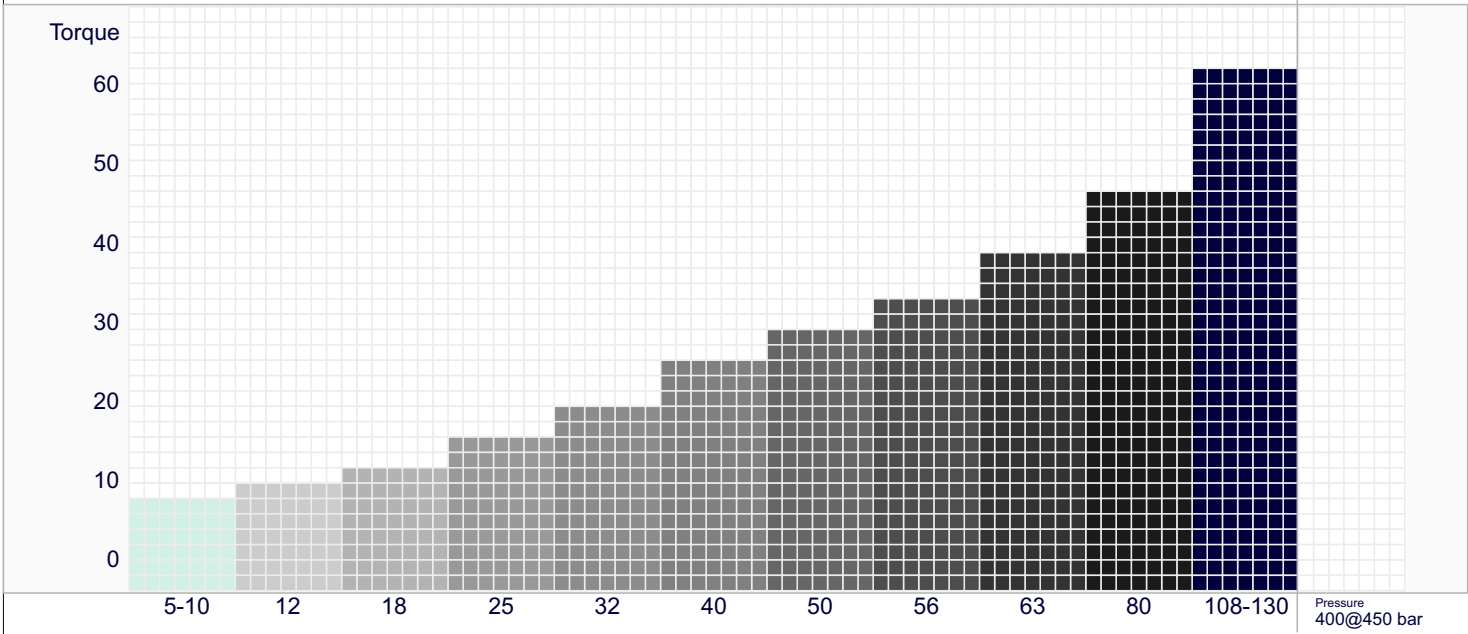
AA2FM Bent Axis Piston Motor SAE, Fixed Displacement.

Technical Data

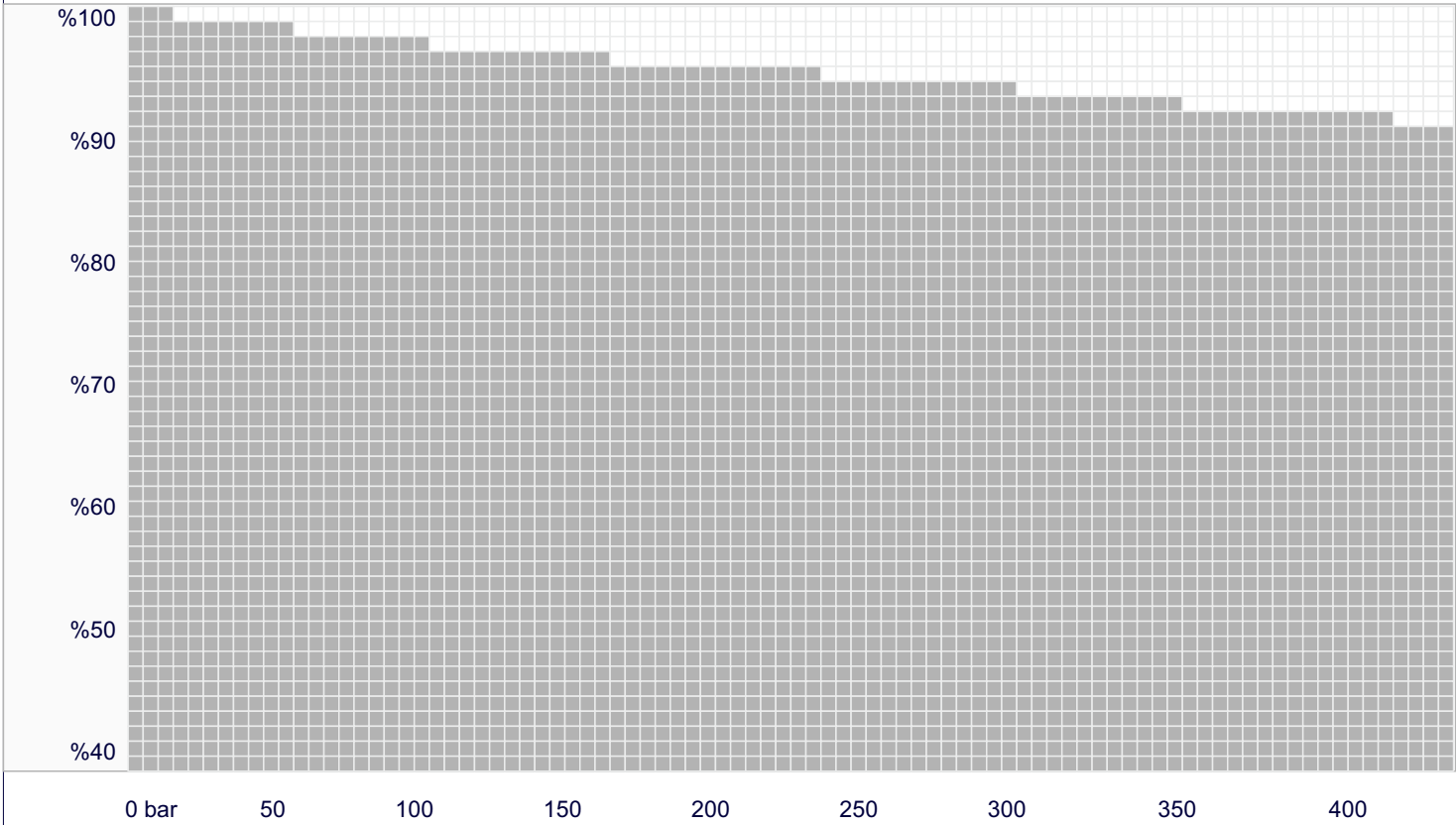
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Performance

Compare Table of Torque

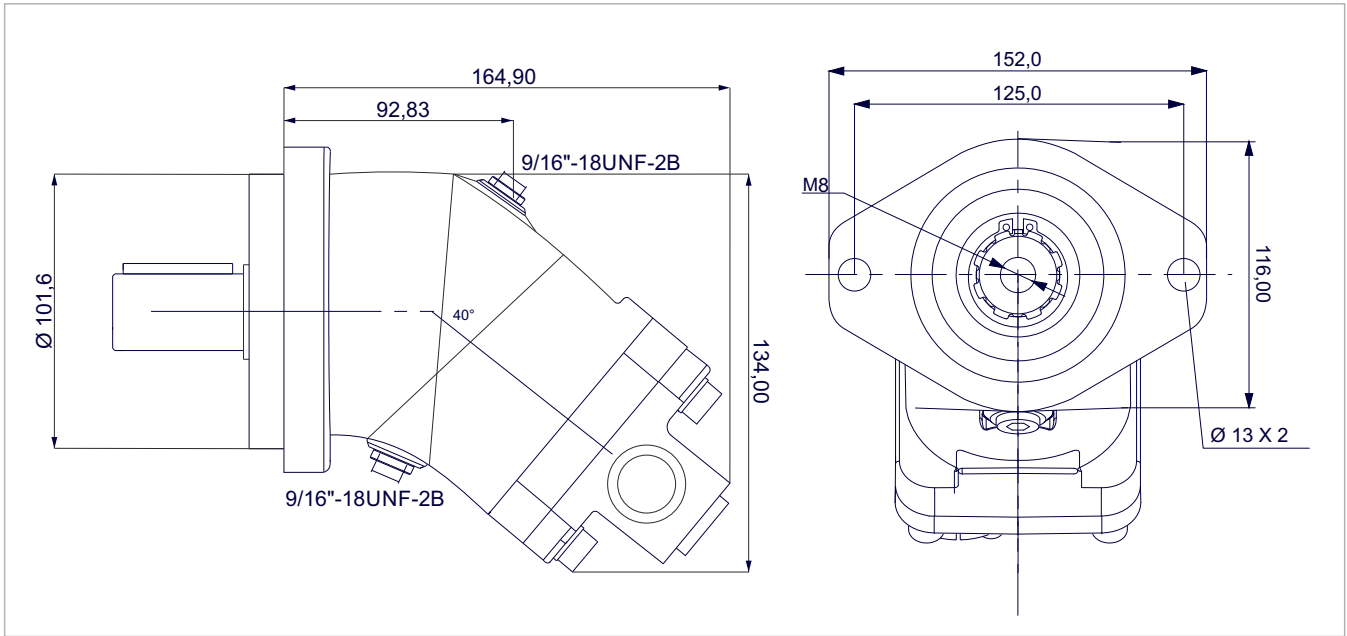


Efficiency of AA2FM Motors

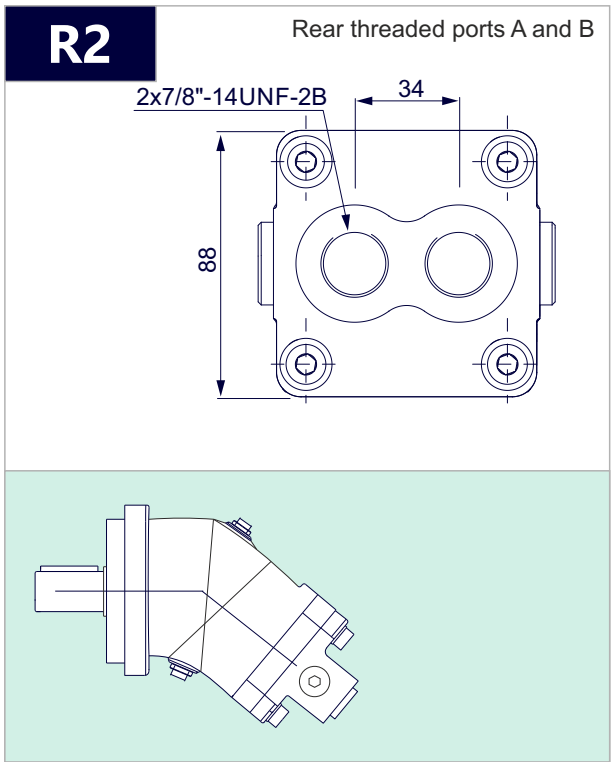
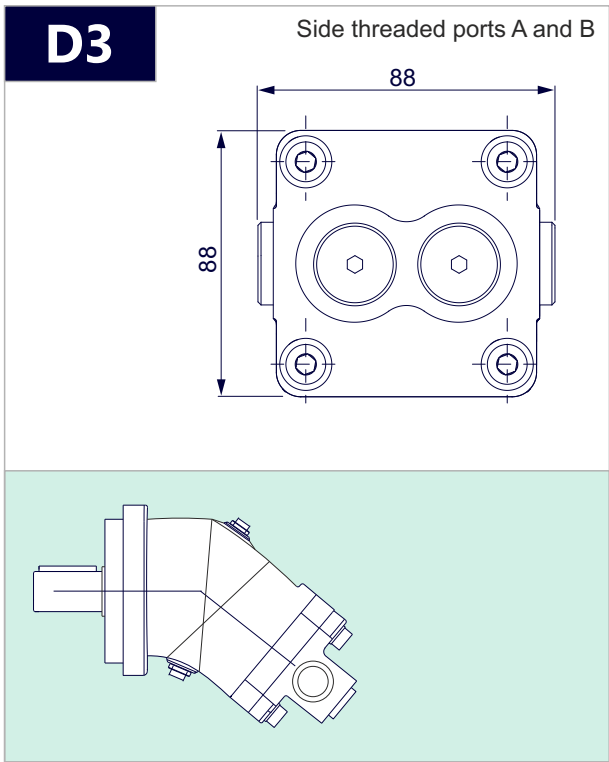


Dimensions Size;

AA2FM 5 - SAE A - 2 BOLT



x 1000 rpm	x 1500 rpm	Max. Contin. Pump Speed	Max. Interm. Pump Speed	Max. Contin. Pressure	Max. Peak Pressure	Torque bar	Torque at 350 bar	Max. Flow	Weight without accessor.	Weight with accessor.	Max. Motor Temp.	Min. Motor Temp.
5,00 cc	7,50 cc	8800 rpm	9400 rpm	400 bar	450 bar	0.17 m.N/bar	62 m.N	44	6,00 kg	6,50 kg	-25°	110°



AA2FM 5 - SAE A - 2 BOLT

J1

5/16"-18UNC-2B

19

Splined shaft
13T 16/32DP 7/8"

20

33

ø30

J2

Cylindrical keyed shaft
ø 1"

5/16"-18UNC-2B

19

Key
width 6,35

28,09

ø25,4

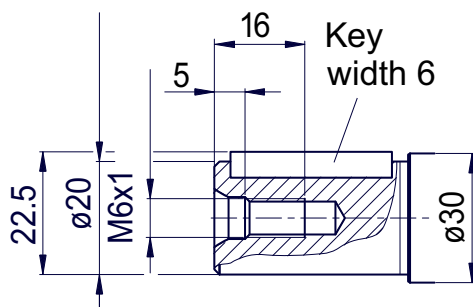
38

ø30

K2

!! Special

Parallel keyed shaft
DIN 6885, AS6x6x32



ALL SPLINED AND KEYED

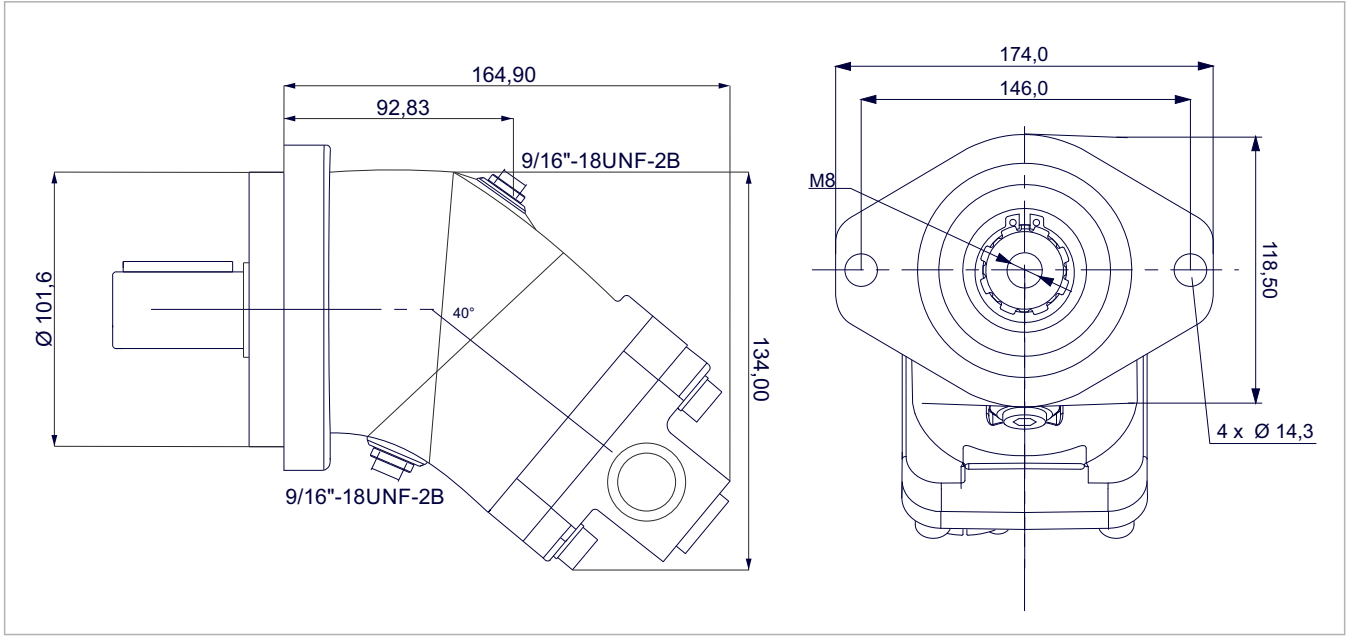
SPECIAL DIMENSION

SHAFTS AVAILABLE

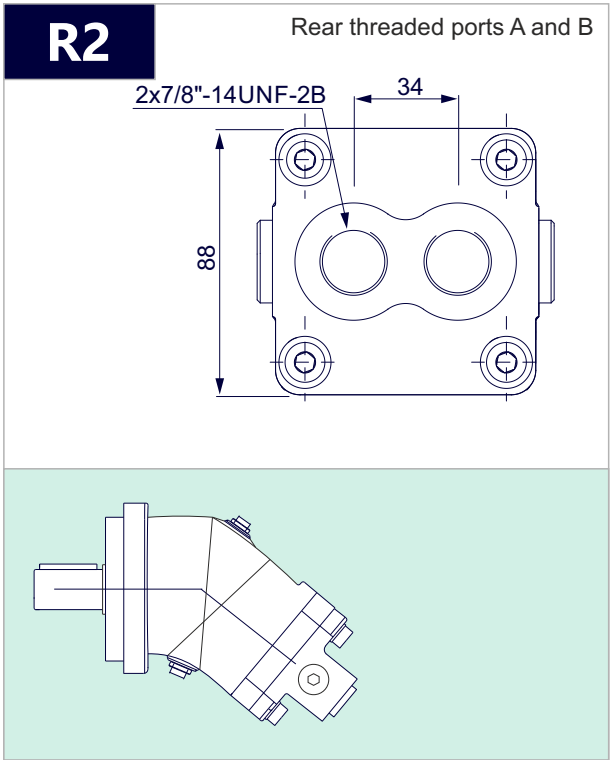
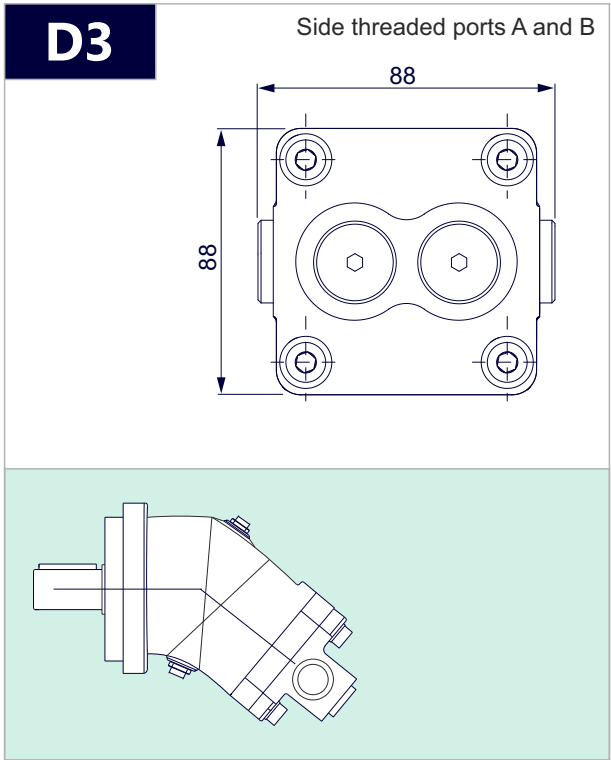
(THE DIMENSIONS CHANGE
DEPENDS ON THE COUNTRIES)

Dimensions Size;

AA2FM 5 - SAE B - 2 BOLT



x 1000 rpm	x 1500 rpm	Max. Contin. Pump Speed	Max. Intermit. Pump Speed	Max. Contin. Pressure	Max. Peak Pressure	Torque bar	Torque at 350 bar	Max. Flow	Weight without accessor.	Weight with accessor.	Max. Motor Temp.	Min. Motor Temp.
5,00 cc	7,50 cc	8800 rpm	9400 rpm	400 bar	450 bar	0.17 m.N/bar	62 m.N	44	6,00 kg	6,50 kg	-25°	110°



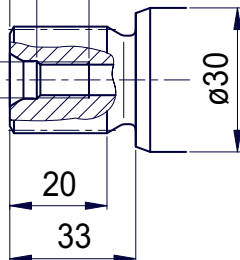
AA2FM 5 - SAE B - 2 BOLT

J1

5/16"-18UNC-2B

19

Splined shaft
13T 16/32DP 7/8"



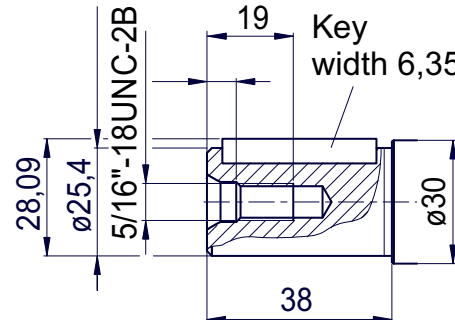
20

33

J2

Cylindrical keyed shaft
Ø 1"

Key
width 6,35

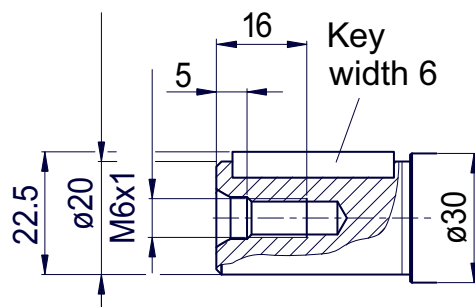


38

K2

!! Special

Parallel keyed shaft
DIN 6885, AS6x6x32



Key
width 6

22,5

ø20

M6x1

5

16

ø30

ALL SPLINED AND KEYED

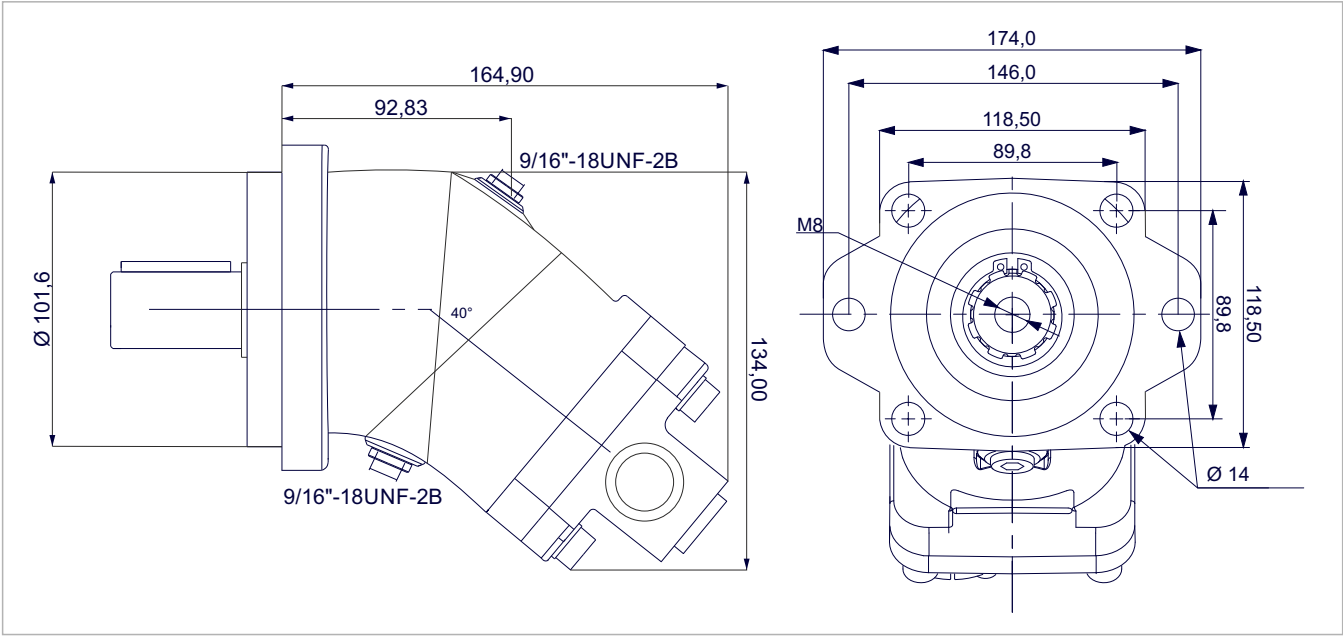
SPECIAL DIMENSION

SHAFTS AVAILABLE

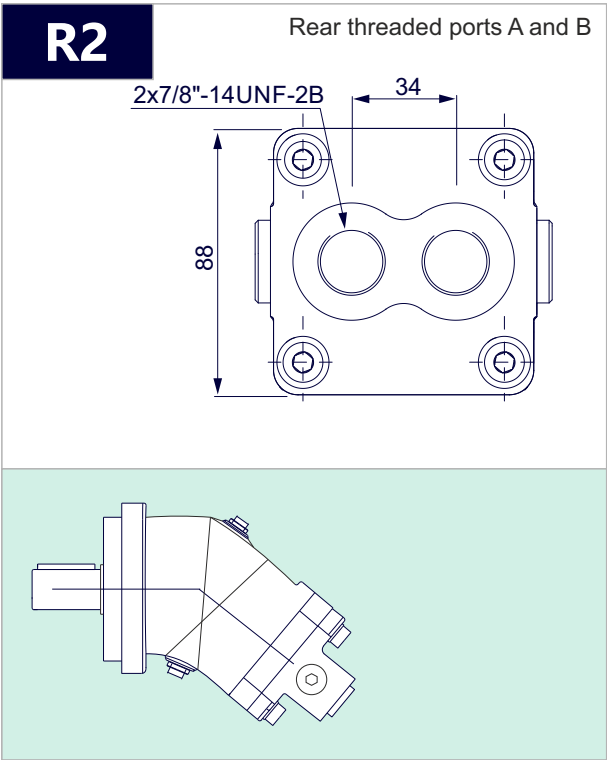
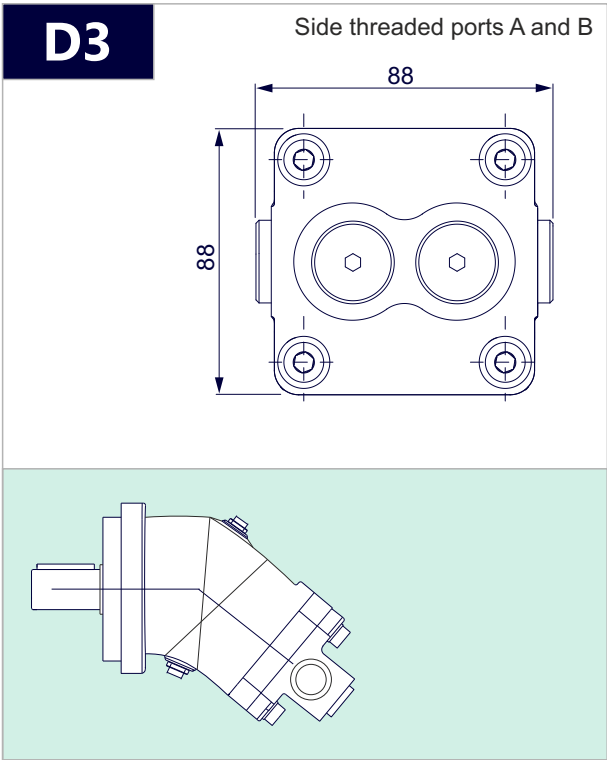
(THE DIMENSIONS CHANGE
DEPENDS ON THE COUNTRIES)

Dimensions Size;

AA2FM 5 - SAE B - 6 BOLT



x 1000 rpm	x 1500 rpm	Max. Contin. Pump Speed	Max. Intermit. Pump Speed	Max. Contin. Pressure	Max. Peak Pressure	Torque bar	Torque at 350 bar	Max. Flow	Weight without accessor.	Weight with accessor.	Max. Motor Temp.	Min. Motor Temp.
5,00 cc	7,50 cc	8800 rpm	9400 rpm	400 bar	450 bar	0.17 m.N/bar	62 m.N	44	6,00 kg	6,50 kg	-25°	110°



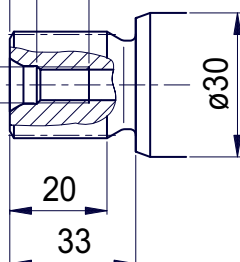
AA2FM 5 - SAE B - 6 BOLT

J1

5/16"-18UNC-2B

19

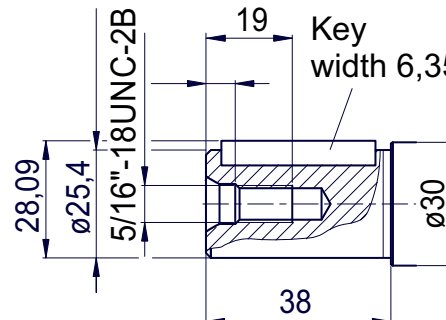
Splined shaft
13T 16/32DP 7/8"



J2

Cylindrical keyed shaft
Ø 1"

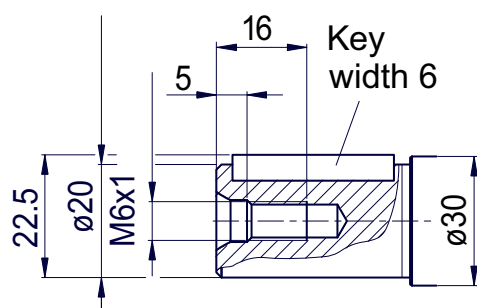
Key
width 6,35



K2

!! Special

Parallel keyed shaft
DIN 6885, AS6x6x32



ALL SPLINED AND KEYED

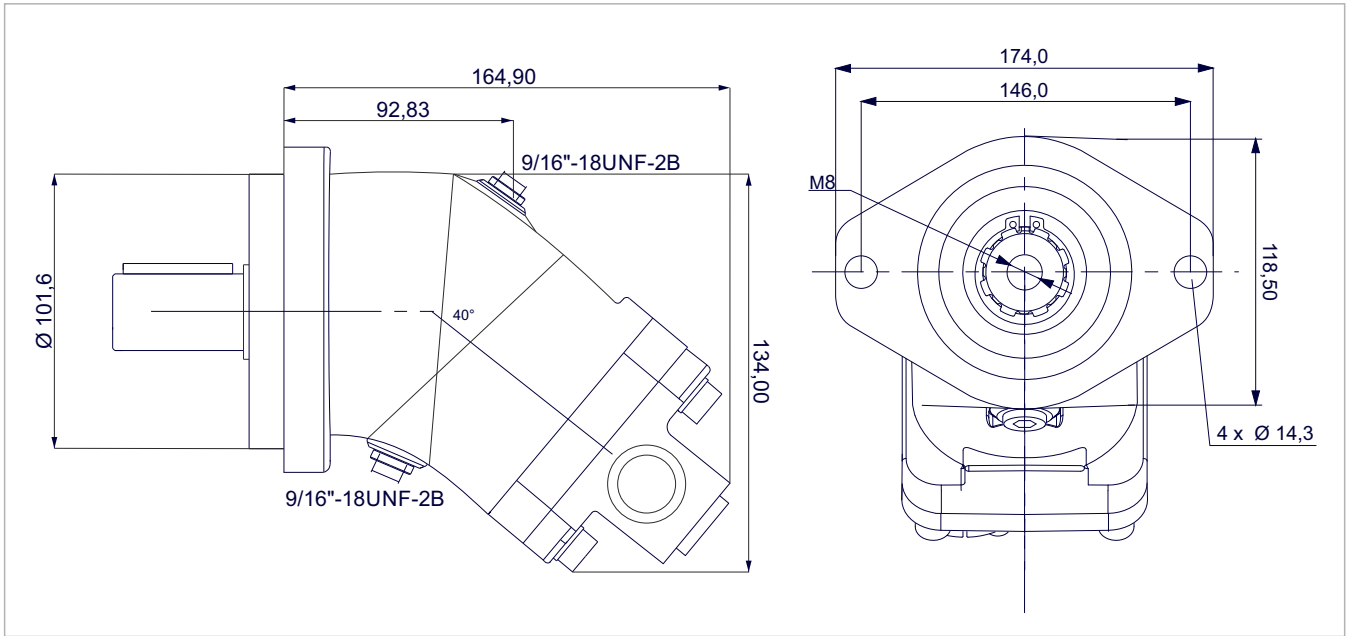
SPECIAL DIMENSION

SHAFTS AVAILABLE

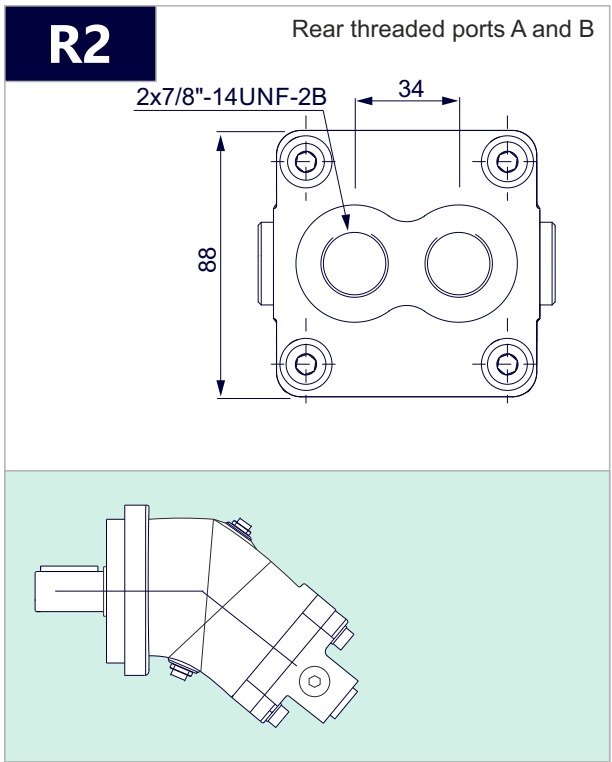
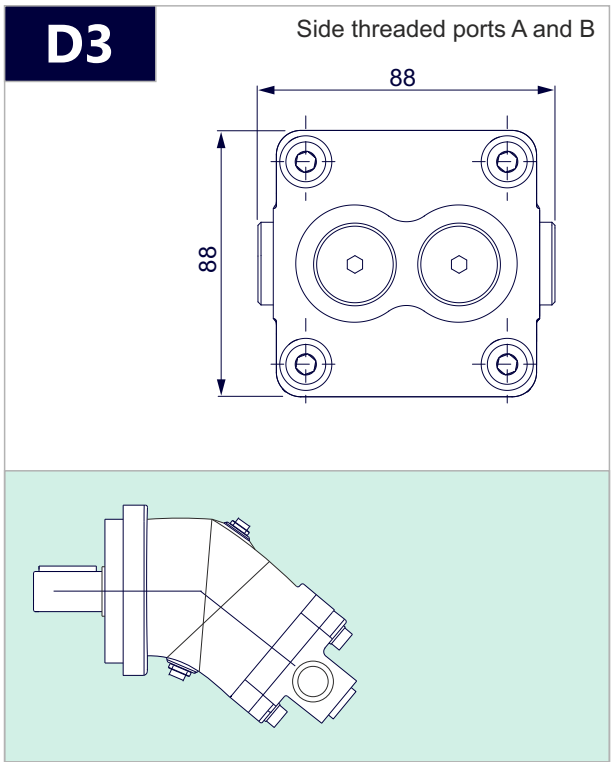
(THE DIMENSIONS CHANGE
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Dimensions Size;

AA2FM 10 - SAE B - 2 BOLT



x 1000 rpm	x 1500 rpm	Max. Contin. Pump Speed	Max. Intermit. Pump Speed	Max. Contin. Pressure	Max. Peak Pressure	Torque bar	Torque at 350 bar	Max. Flow	Weight without accessor.	Weight with accessor.	Max. Motor Temp.	Min. Motor Temp.
10,00 cc	15,00 cc	8000 rpm	8800 rpm	400 bar	450 bar	0.17 m.N/bar	64 m.N	80	6,50 kg	7,00 kg	-25°	110°



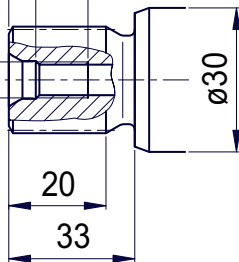
AA2FM 10 - SAE B - 2 BOLT

J1

5/16"-18UNC-2B

19

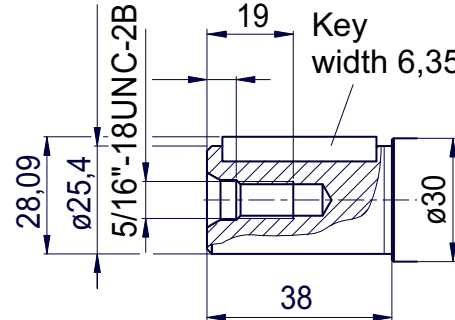
Splined shaft
13T 16/32DP 7/8"



J2

Cylindrical keyed shaft
Ø 1"

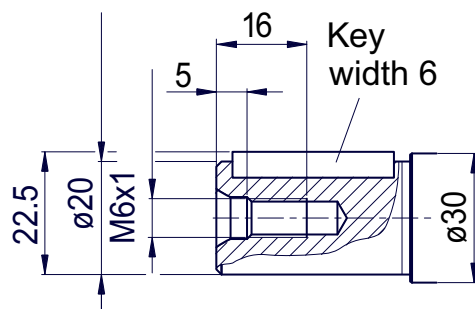
Key
width 6,35



K2

!! Special

Parallel keyed shaft
DIN 6885, AS6x6x32



ALL SPLINED AND KEYED

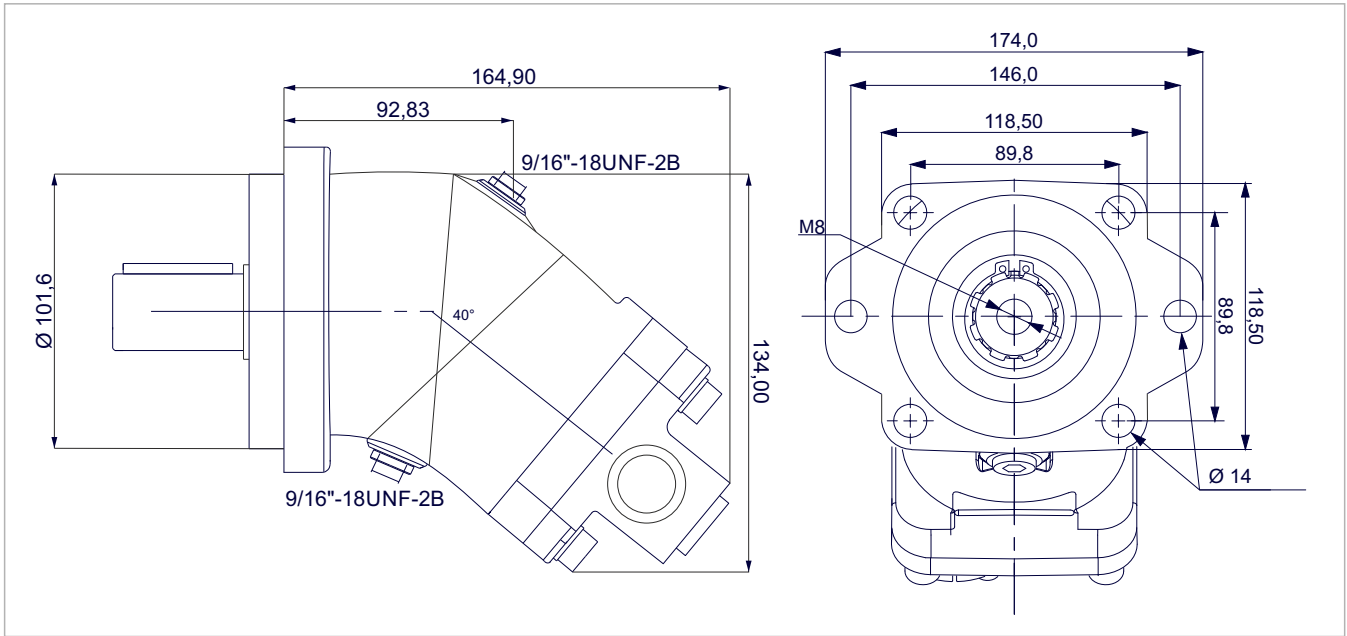
SPECIAL DIMENSION

SHAFTS AVAILABLE

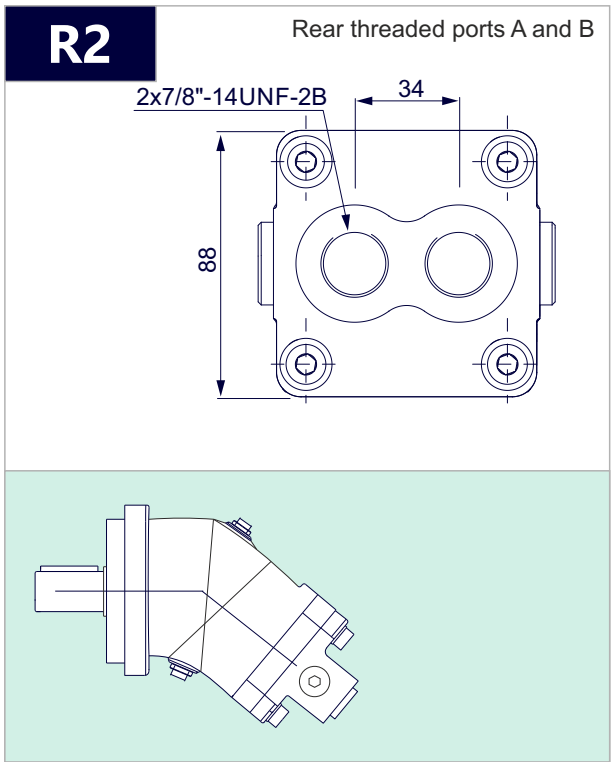
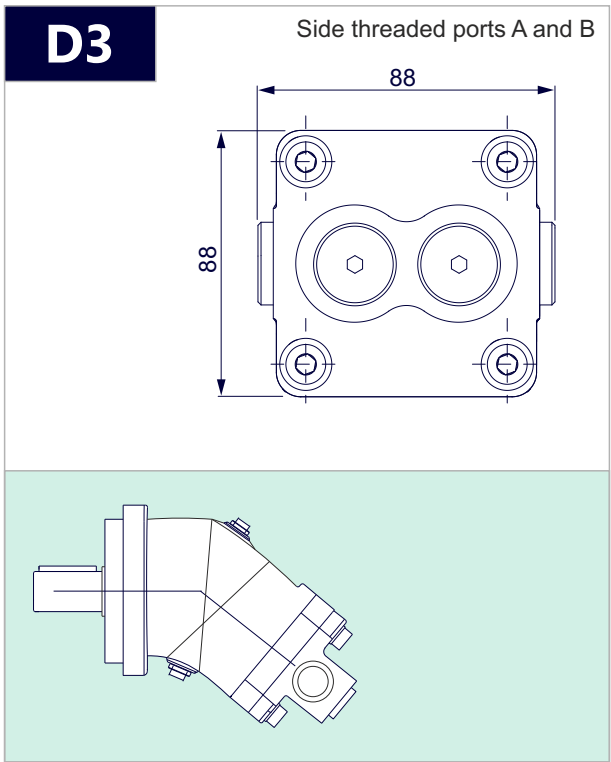
(THE DIMENSIONS CHANGE
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Dimensions Size;

AA2FM 10 - SAE B - 6 BOLT



x 1000 rpm	x 1500 rpm	Max. Contin. Pump Speed	Max. Intermit. Pump Speed	Max. Contin. Pressure	Max. Peak Pressure	Torque bar	Torque at 350 bar	Max. Flow	Weight without accessor.	Weight with accessor.	Max. Motor Temp.	Min. Motor Temp.
10,00 cc	15,00 cc	8000 rpm	8800 rpm	400 bar	450 bar	0.17 m.N/bar	64 m.N	80	6,50 kg	7,00 kg	-25°	110°



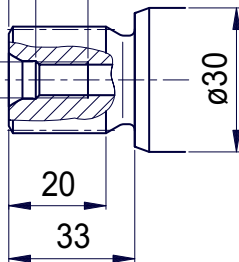
AA2FM 10 - SAE B - 6 BOLT

J1

5/16"-18UNC-2B

19

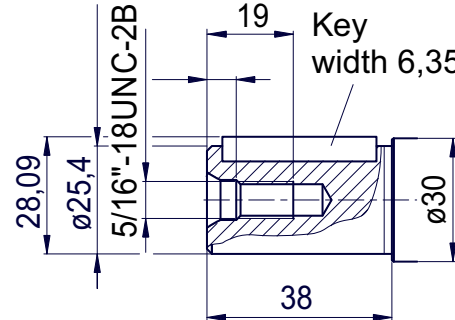
Splined shaft
13T 16/32DP 7/8"



J2

Cylindrical keyed shaft
Ø 1"

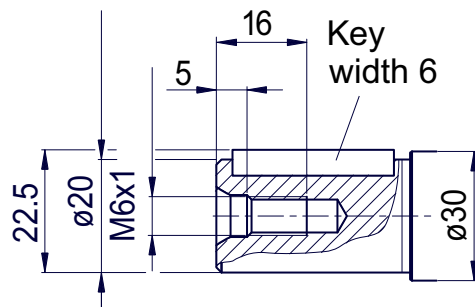
Key
width 6,35



K2

!! Special

Parallel keyed shaft
DIN 6885, AS6x6x32



ALL SPLINED AND KEYED

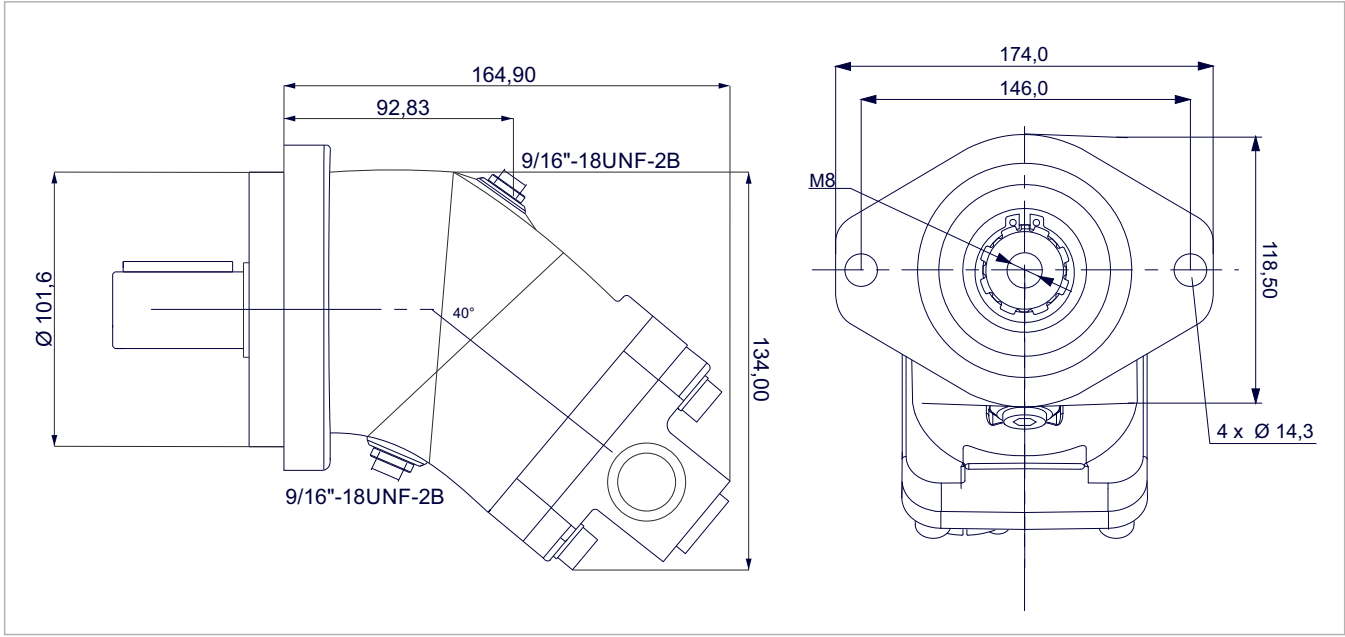
SPECIAL DIMENSION

SHAFTS AVAILABLE

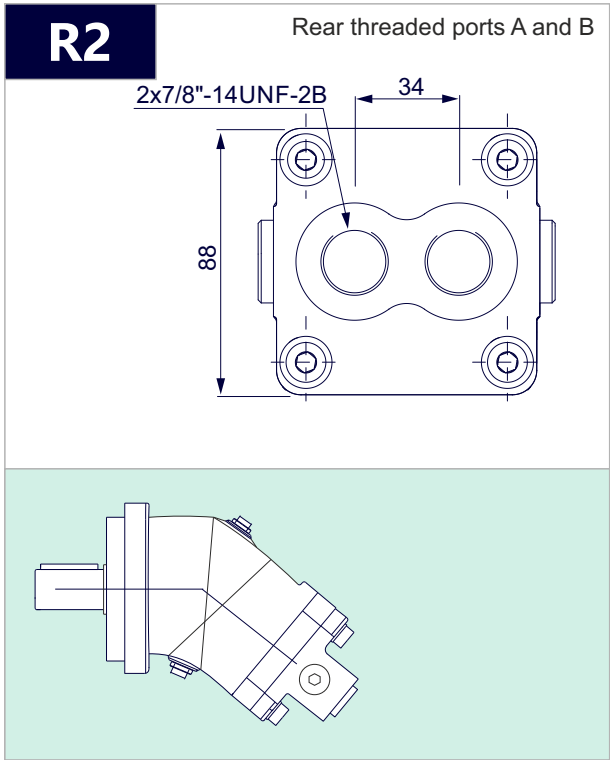
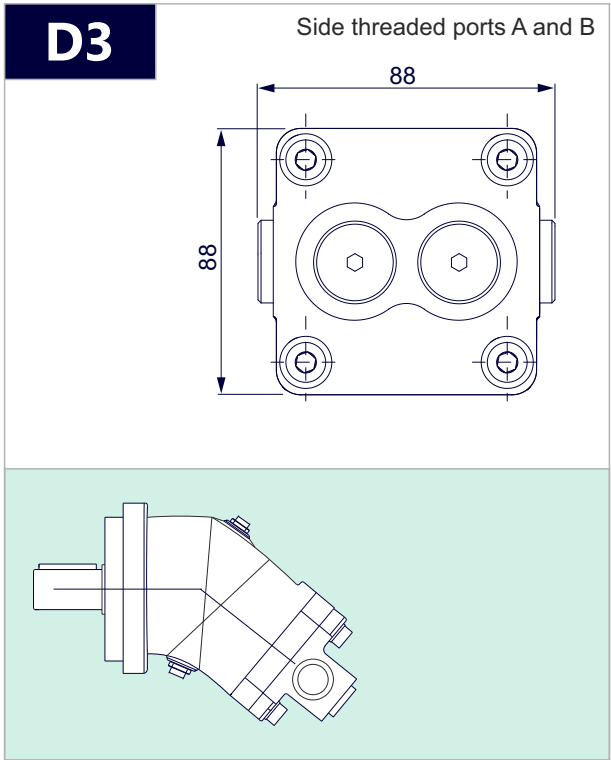
(THE DIMENSIONS CHANGE
DEPENDS ON THE COUNTRIES)

Dimensions Size;

AA2FM 12 - SAE B - 2 BOLT



x 1000 rpm	x 1500 rpm	Max. Contin. Pump Speed	Max. Intermit. Pump Speed	Max. Contin. Pressure	Max. Peak Pressure	Torque bar	Torque at 350 bar	Max. Flow	Weight without accessor.	Weight with accessor.	Max. Motor Temp.	Min. Motor Temp.
12,00 cc	18,00 cc	8000 rpm	8800 rpm	400 bar	450 bar	0.18 m.N/bar	66 m.N	96	6,50 kg	7,00 kg	-25°	110°



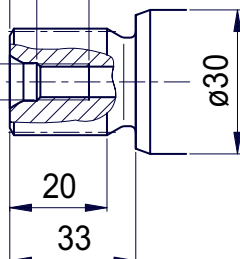
AA2FM 12 - SAE B - 2 BOLT

J1

5/16"-18UNC-2B

19

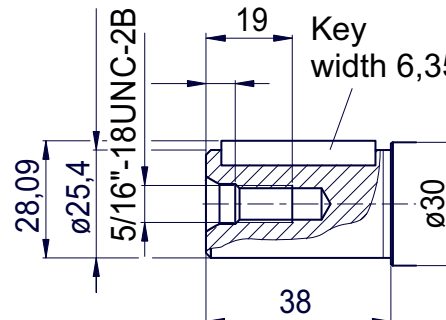
Splined shaft
13T 16/32DP 7/8"



J2

Cylindrical keyed shaft
Ø 1"

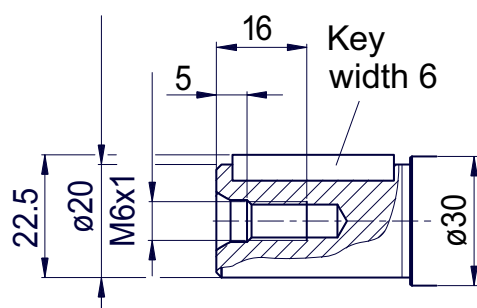
Key
width 6,35



K2

!! Special

Parallel keyed shaft
DIN 6885, AS6x6x32



ALL SPLINED AND KEYED

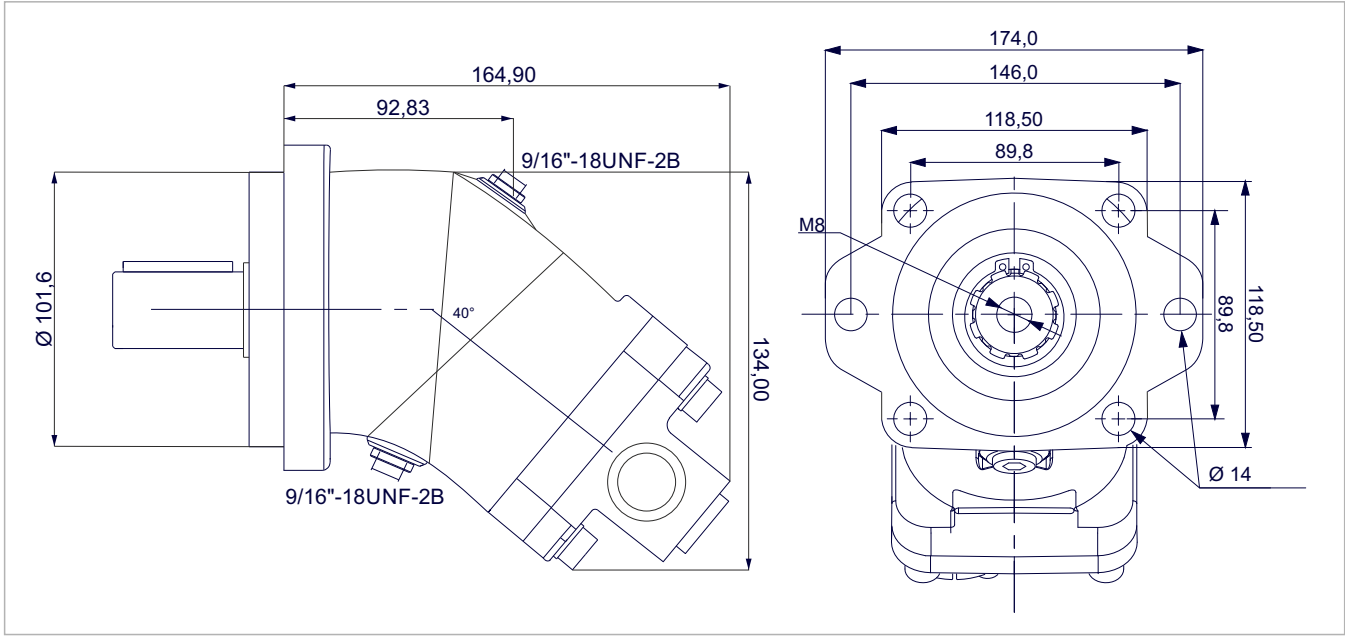
SPECIAL DIMENSION

SHAFTS AVAILABLE

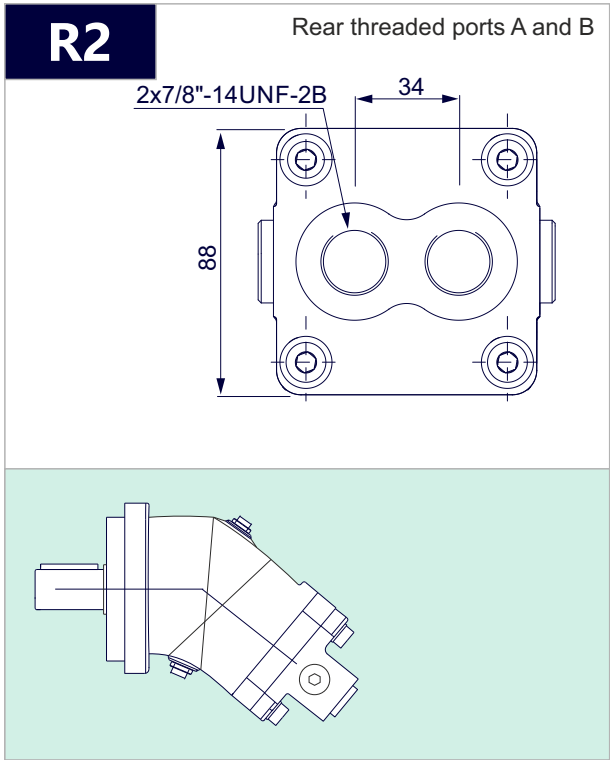
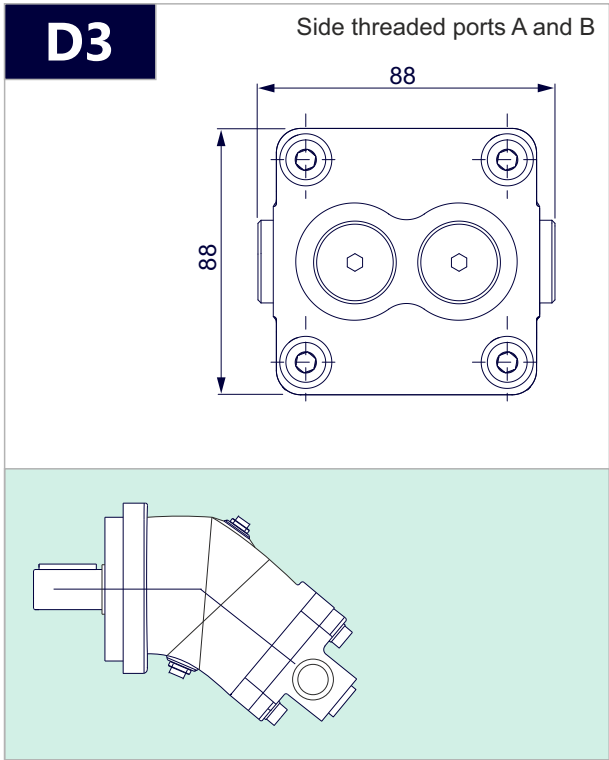
(THE DIMENSIONS CHANGE
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Dimensions Size;

AA2FM 12 - SAE B - 6 BOLT



x 1000 rpm	x 1500 rpm	Max. Contin. Pump Speed	Max. Intermit. Pump Speed	Max. Contin. Pressure	Max. Peak Pressure	Torque bar	Torque at 350 bar	Max. Flow	Weight without accessor.	Weight with accessor.	Max. Motor Temp.	Min. Motor Temp.
12,00 cc	18,00 cc	8000 rpm	8800 rpm	400 bar	450 bar	0.18 m.N/bar	66 m.N	96	6,50 kg	7,00 kg	-25°	110°



AA2FM 12 - SAE B - 6 BOLT

J1

5/16"-18UNC-2B

19

Splined shaft
13T 16/32DP 7/8"

20

33

ø30

J2

Cylindrical keyed shaft
ø 1"

5/16"-18UNC-2B

19

Key
width 6,35

28,09

ø25,4

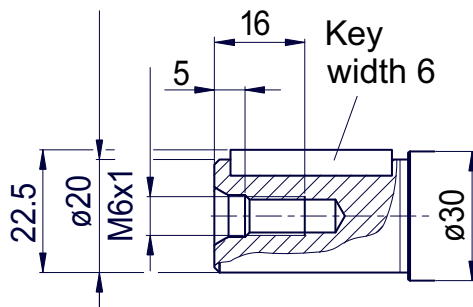
38

ø30

K2

!! Special

Parallel keyed shaft
DIN 6885, AS6x6x32



ALL SPLINED AND KEYED

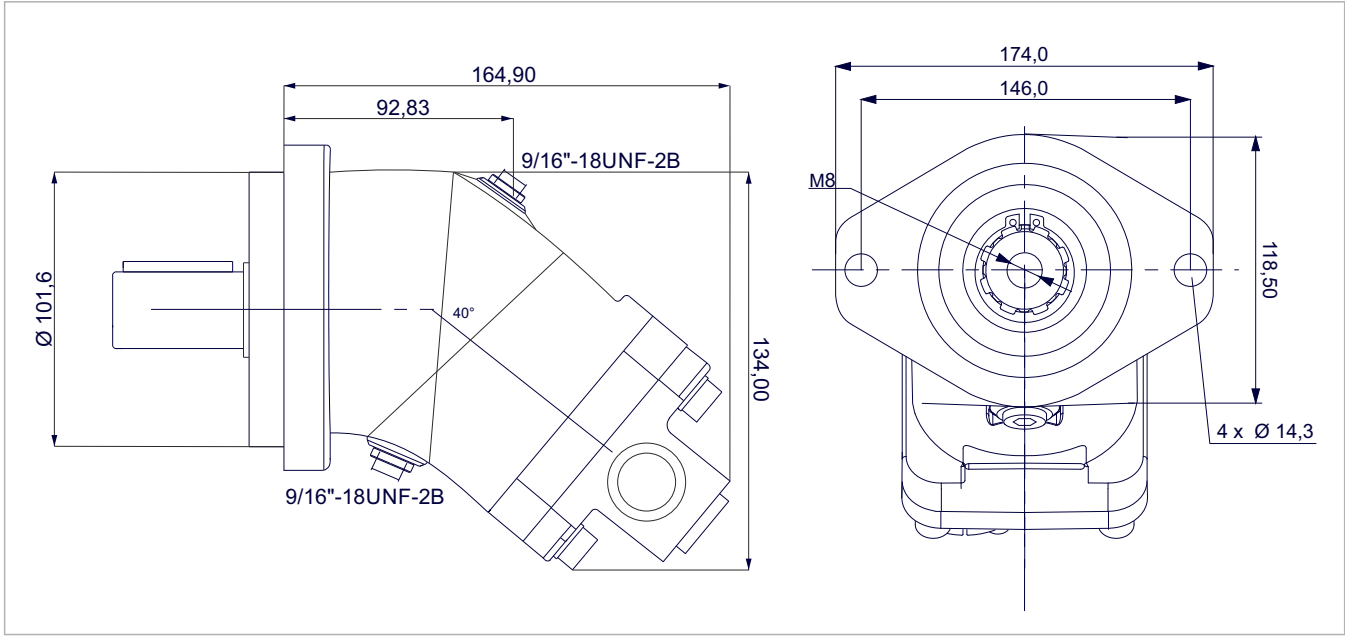
SPECIAL DIMENSION

SHAFTS AVAILABLE

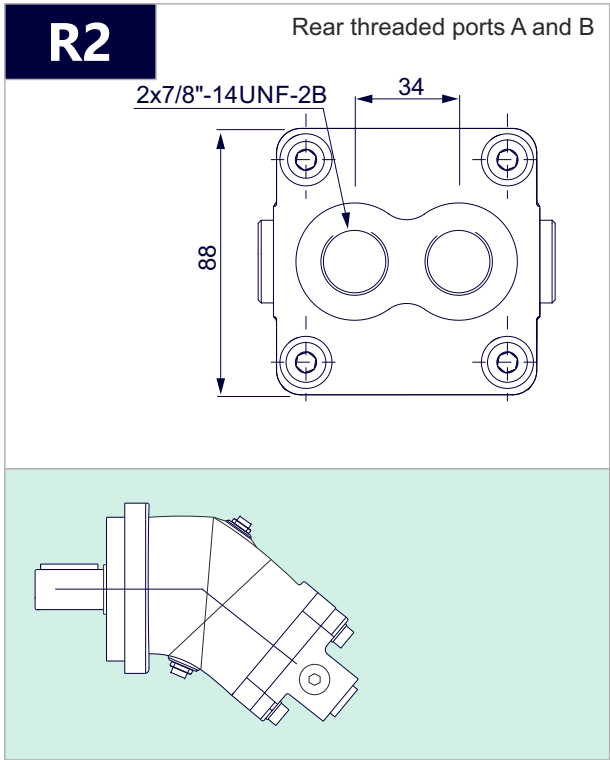
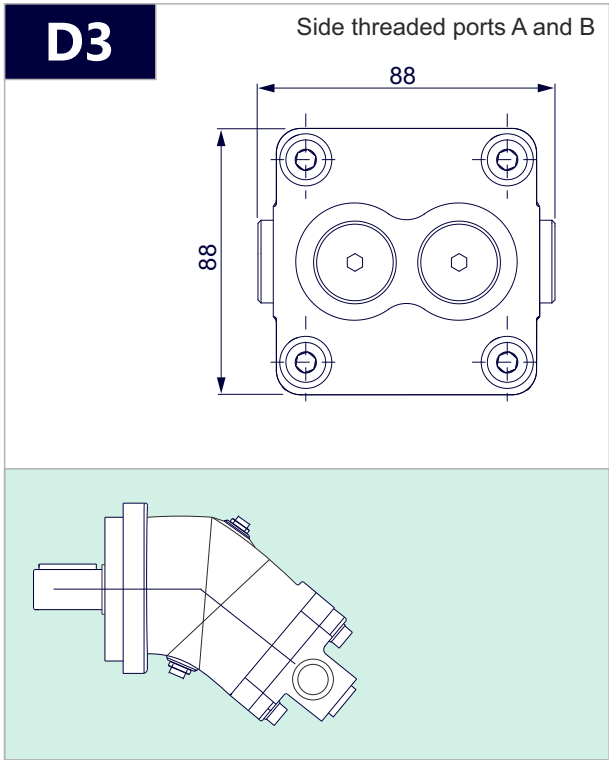
(THE DIMENSIONS CHANGE
DEPENDS ON THE COUNTRIES)

Dimensions Size;

AA2FM 18 - SAE B - 2 BOLT



x 1000 rpm	x 1500 rpm	Max. Contin. Pump Speed	Max. Intermit. Pump Speed	Max. Contin. Pressure	Max. Peak Pressure	Torque bar	Torque at 350 bar	Max. Flow	Weight without accessor.	Weight with accessor.	Max. Motor Temp.	Min. Motor Temp.
18,00 cc	27,00 cc	8000 rpm	8800 rpm	400 bar	450 bar	0.28 m.N/bar	98 m.N	144	6,50 kg	7,0 kg	-25°	110°



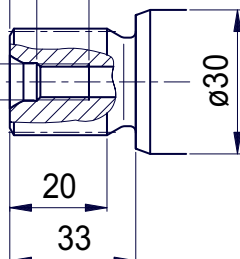
AA2FM 18 - SAE B - 2 BOLT

J1

5/16"-18UNC-2B

19

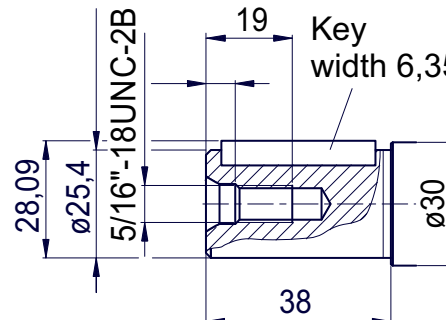
Splined shaft
13T 16/32DP 7/8"



J2

Cylindrical keyed shaft
Ø 1"

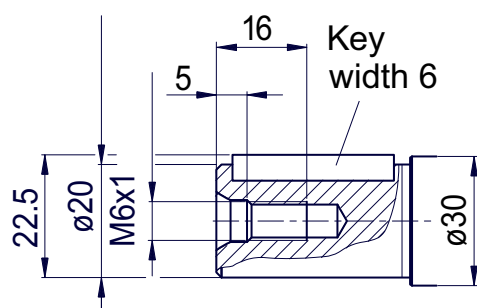
Key
width 6,35



K2

!! Special

Parallel keyed shaft
DIN 6885, AS6x6x32



ALL SPLINED AND KEYED

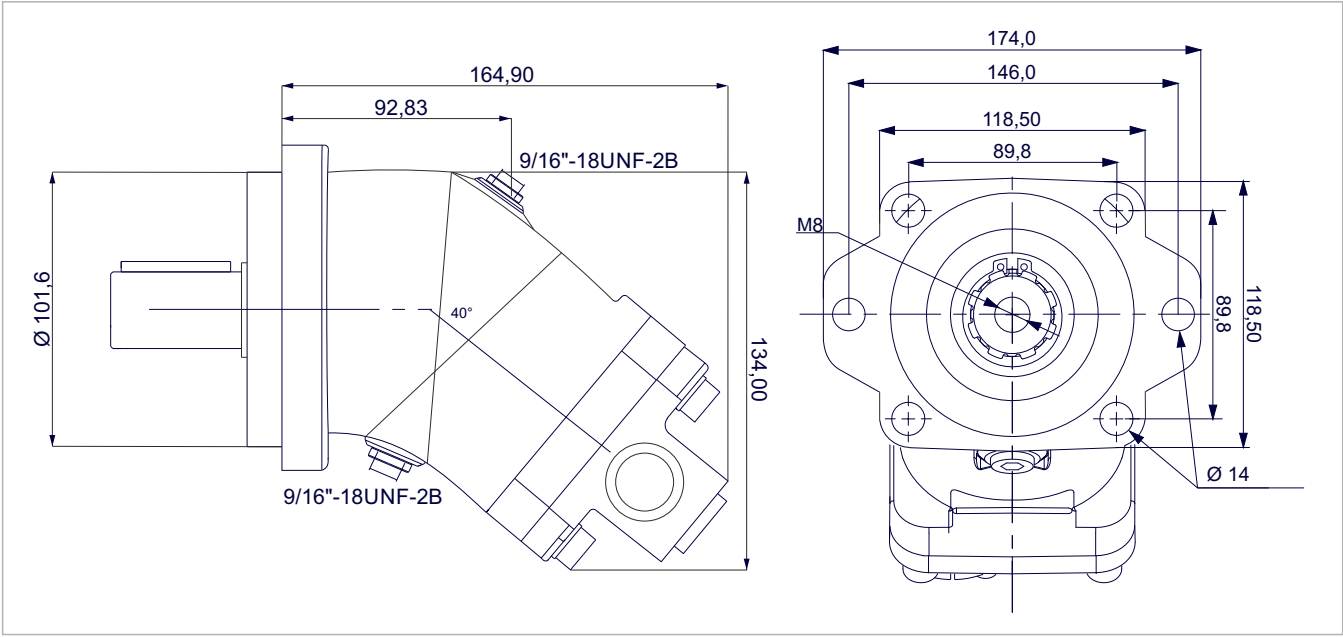
SPECIAL DIMENSION

SHAFTS AVAILABLE

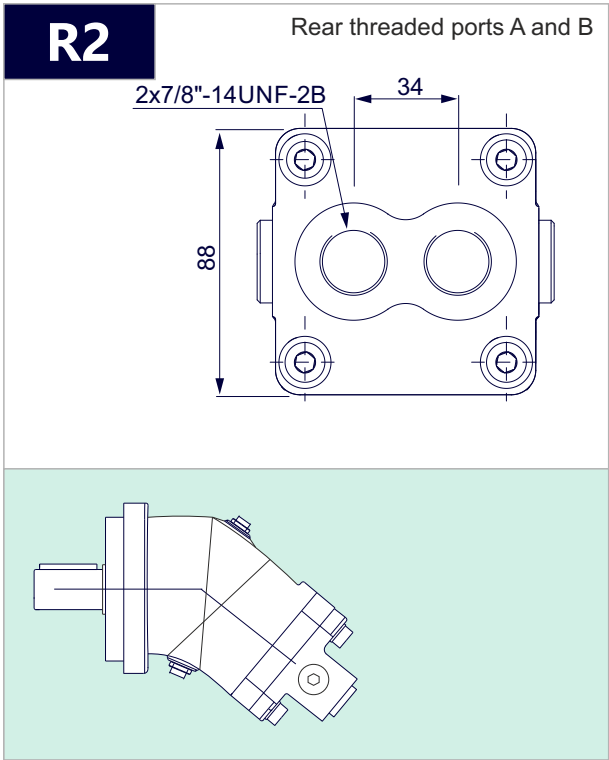
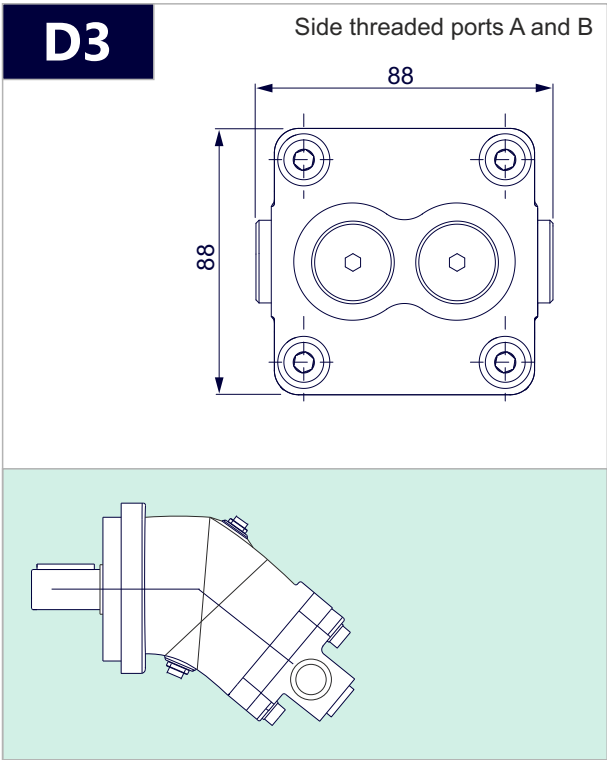
(THE DIMENSIONS CHANGE
DEPENDS ON THE COUNTRIES)

Dimensions Size;

AA2FM 18 - SAE B - 6 BOLT



x 1000 rpm	x 1500 rpm	Max. Contin. Pump Speed	Max. Intermit. Pump Speed	Max. Contin. Pressure	Max. Peak Pressure	Torque bar	Torque at 350 bar	Max. Flow	Weight without accessor.	Weight with accessor.	Max. Motor Temp.	Min. Motor Temp.
18,00 cc	27,00 cc	8000 rpm	8800 rpm	400 bar	450 bar	0.28 m.N/bar	98 m.N	144	6,50 kg	7,0 kg	-25°	110°



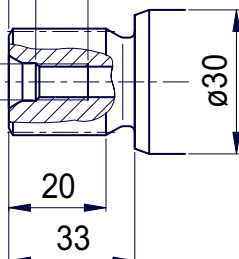
AA2FM 18 - SAE B - 6 BOLT

J1

5/16"-18UNC-2B

19

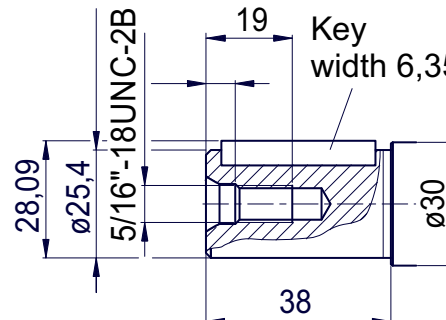
Splined shaft
13T 16/32DP 7/8"



J2

Cylindrical keyed shaft
Ø 1"

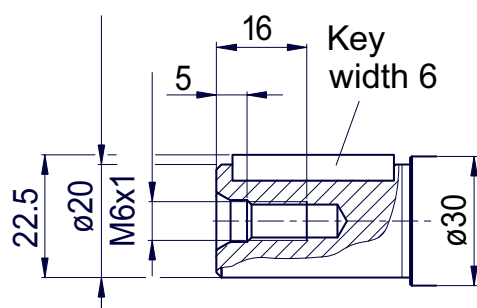
Key
width 6,35



K2

!! Special

Parallel keyed shaft
DIN 6885, AS6x6x32



ALL SPLINED AND KEYED

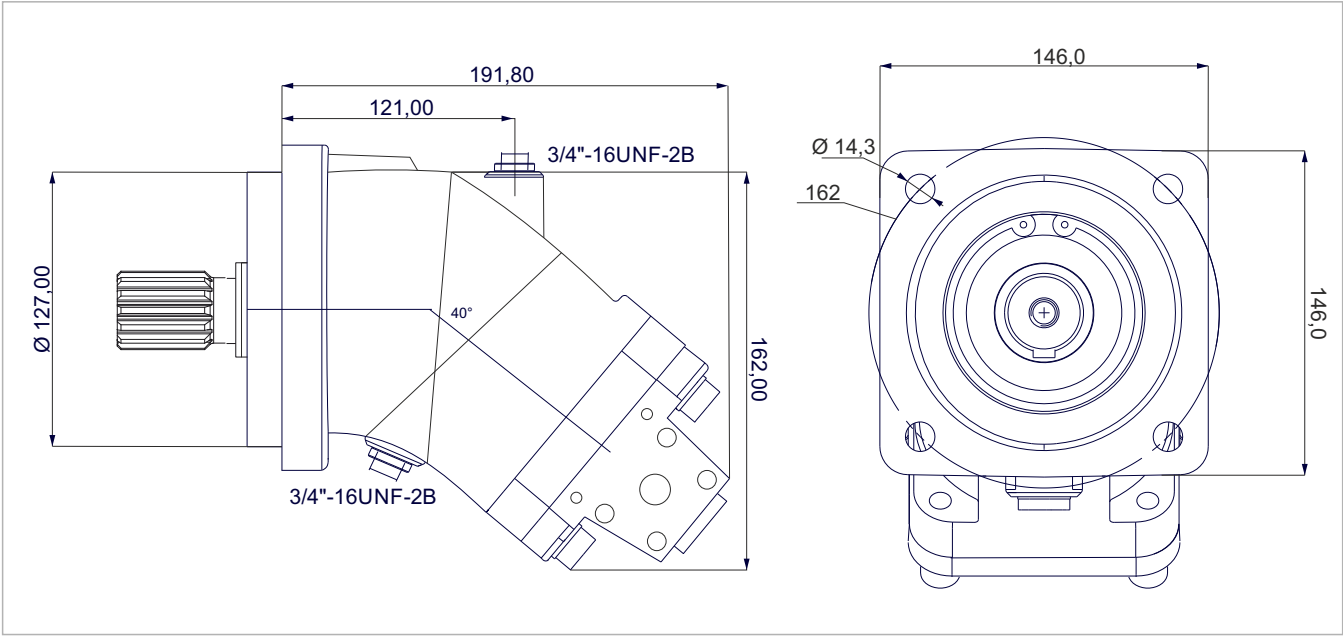
SPECIAL DIMENSION

SHAFTS AVAILABLE

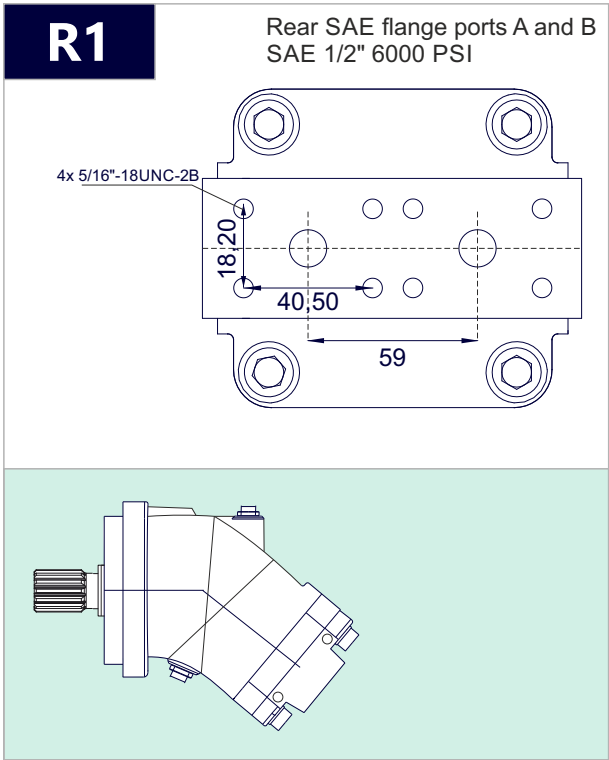
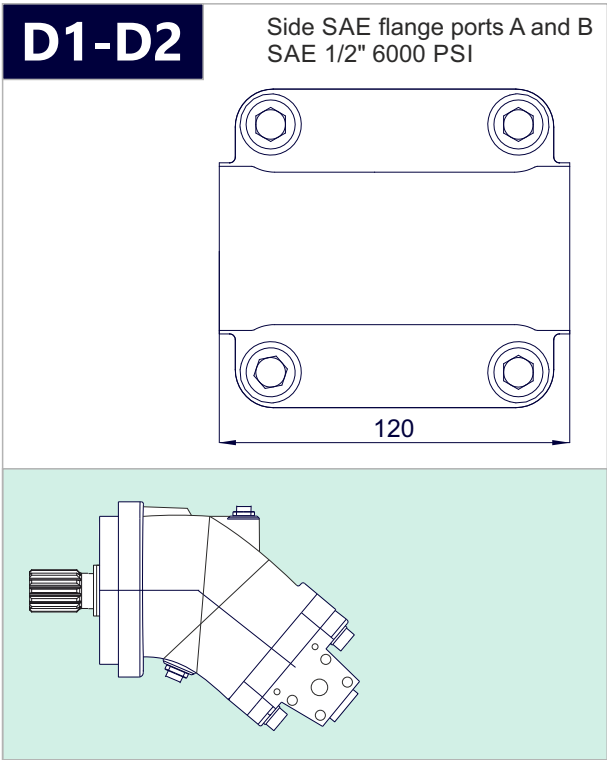
(THE DIMENSIONS CHANGE
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Dimensions Size;

AA2FM 25 - SAE C - 4 BOLT



x 1000 rpm	x 1500 rpm	Max. Contin. Pump Speed	Max. Intermit. Pump Speed	Max. Contin. Pressure	Max. Peak Pressure	Torque bar	Torque at 350 bar	Max. Flow	Weight without accessor.	Weight with accessor.	Max. Motor Temp.	Min. Motor Temp.
25,00 cc	37,50 cc	6250 rpm	6800 rpm	400 bar	450 bar	0.40 m.N/bar	140 m.N	156	11,50 kg	11,80 kg	-25°	110°

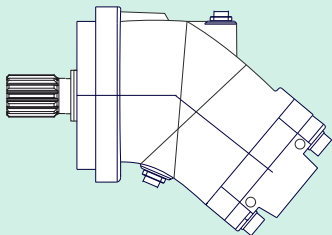
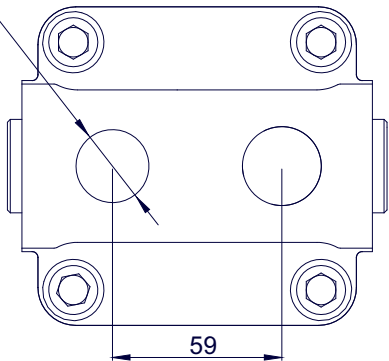


Dimensions Size;
AA2FM 25 - SAE C - 4 BOLT

R2

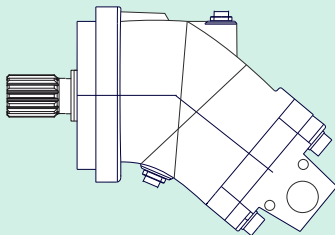
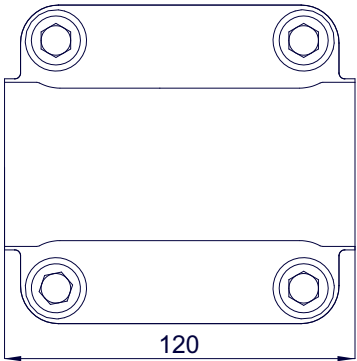
Rear threaded ports A and B

2x1 5/16"-
12UN-2B



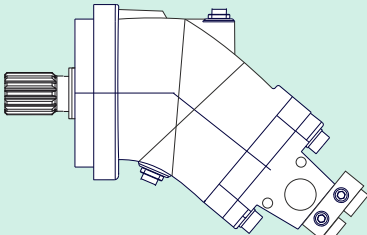
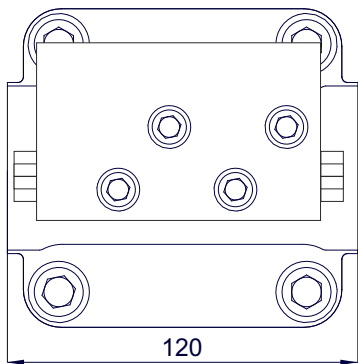
D3

Side threaded ports



D4

Side threaded ports



AA2FM 25 - SAE C - 4 BOLT

J1

7/16"-14UNC-2B

22

Splined shaft
14T 12/24DP 1 1/4"

ø35

35

48

J2

Cylindrical keyed shaft
Ø 1 1/4"

Key
width 7,94

7/16"-14UNC-2B

22

35,20

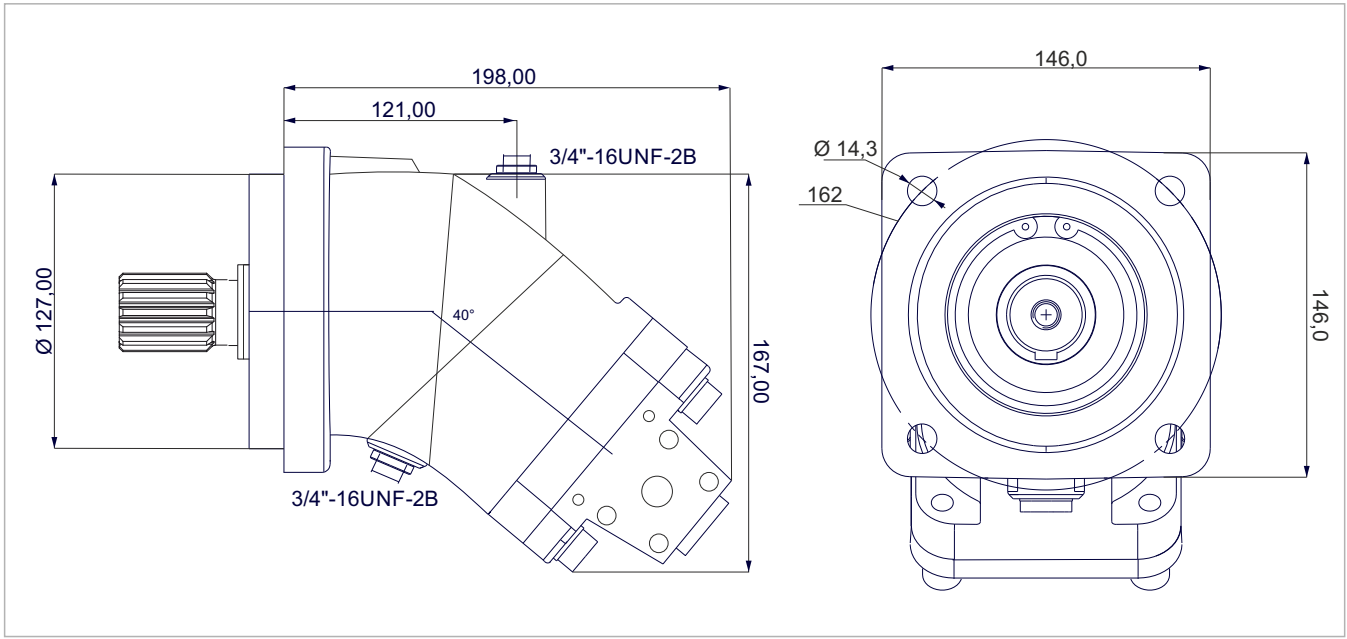
ø31,75

ø35

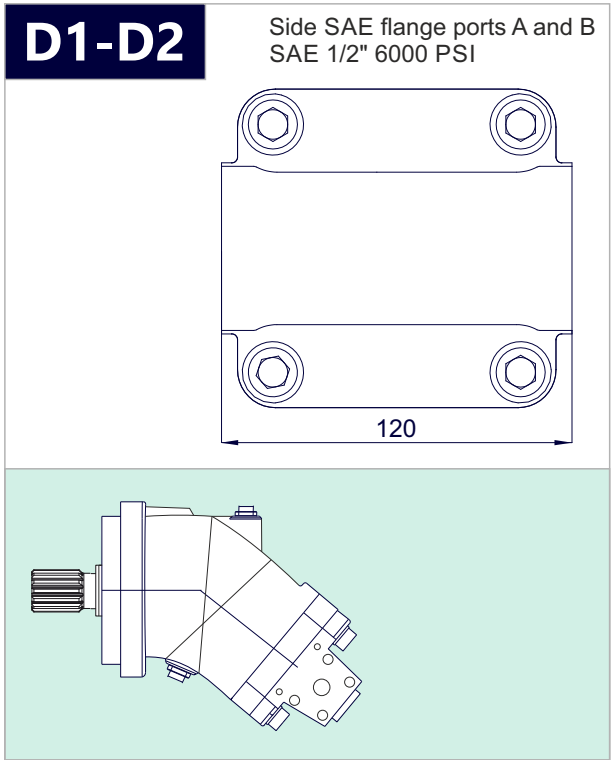
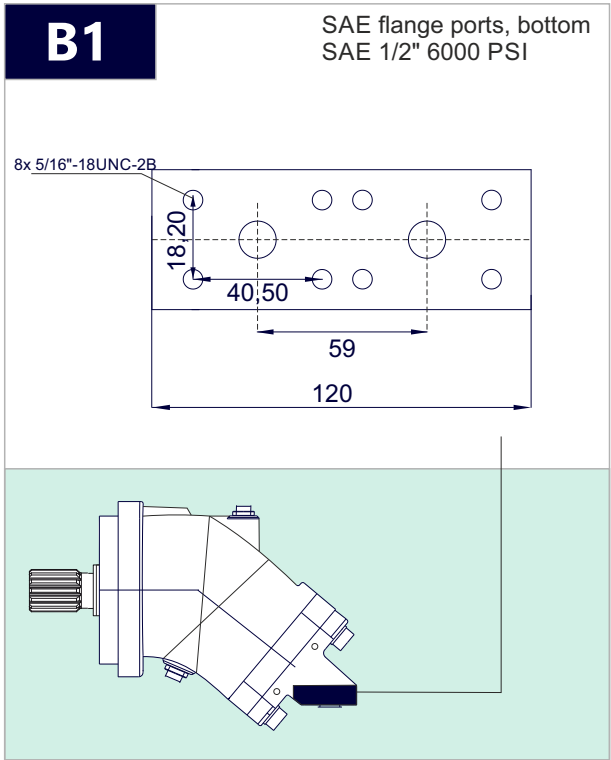
48

Dimensions Size;

AA2FM 32 - SAE C - 4 BOLT



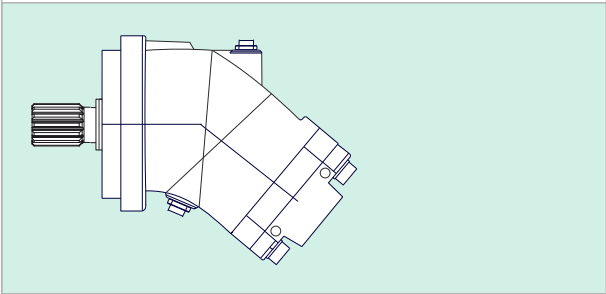
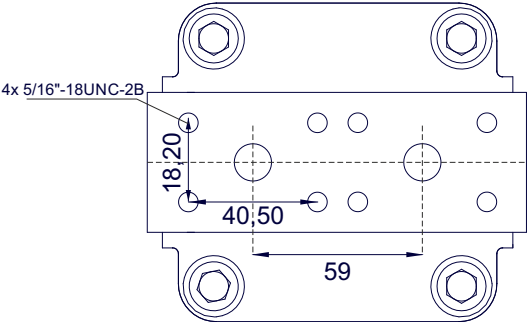
x 1000 rpm	x 1500 rpm	Max. Contin. Pump Speed	Max. Intermit. Pump Speed	Max. Contin. Pressure	Max. Peak Pressure	Torque bar	Torque at 350 bar	Max. Flow	Weight without accessor.	Weight with accessor.	Max. Motor Temp.	Min. Motor Temp.
32,00 cc	48,00 cc	6250 rpm	6800 rpm	400 bar	450 bar	0.51 m.N/bar	174 m.N	200	11,50 kg	11,90 kg	-25°	110°



Dimensions Size;
AA2FM 32 - SAE C - 4 BOLT

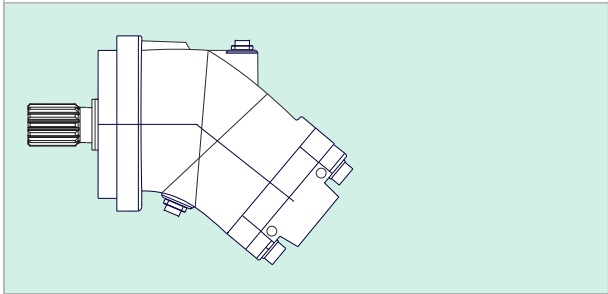
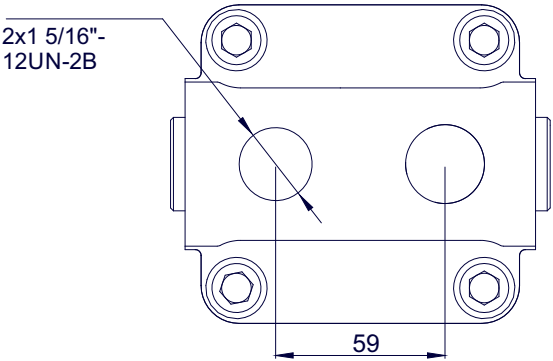
R1

Rear SAE flange ports A and B
SAE 1/2" 6000 PSI



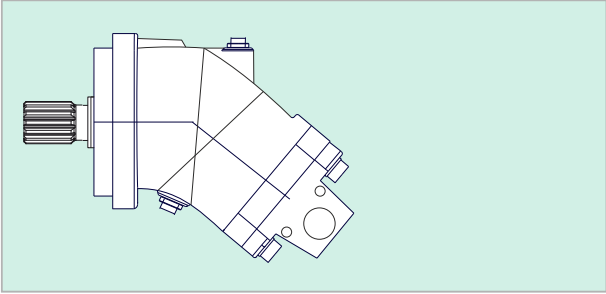
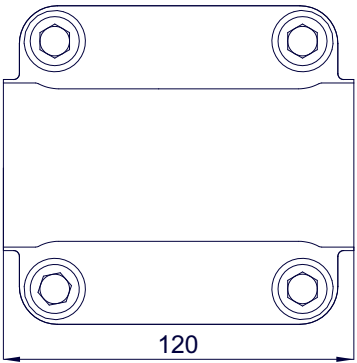
R2

Rear threaded ports



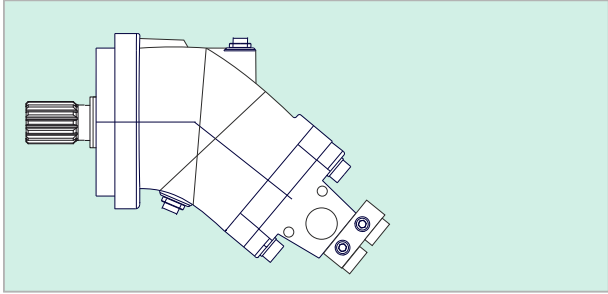
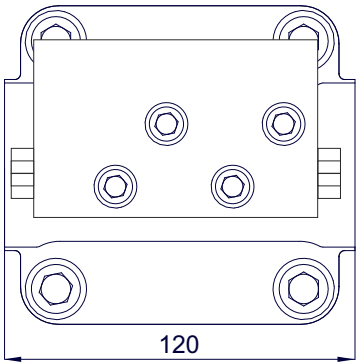
D3

Side threaded ports A and B



D4

Side threaded ports A and B



AA2FM 32 - SAE C - 4 BOLT

J1

7/16"-14UNC-2B

22

Splined shaft
14T 12/24DP 1 1/4"

ø35

35

48

J2

Cylindrical keyed shaft
Ø 1 1/4"

Key
width 7,94

7/16"-14UNC-2B

22

35,20

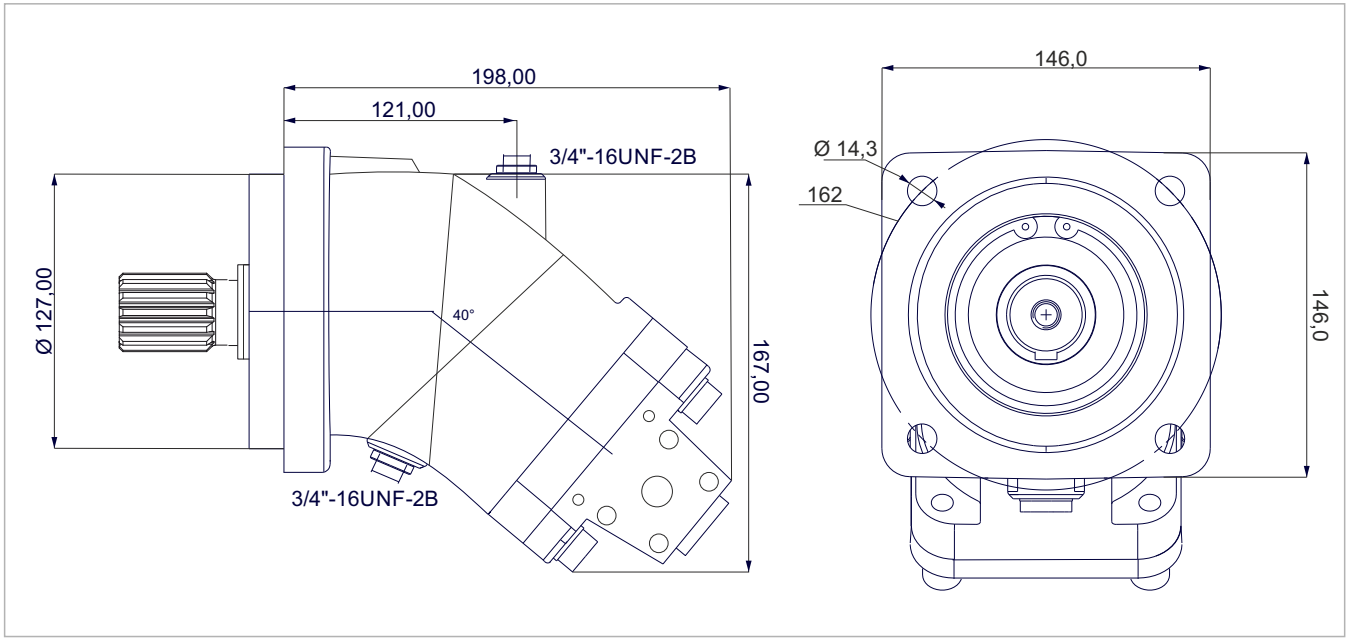
ø31,75

ø35

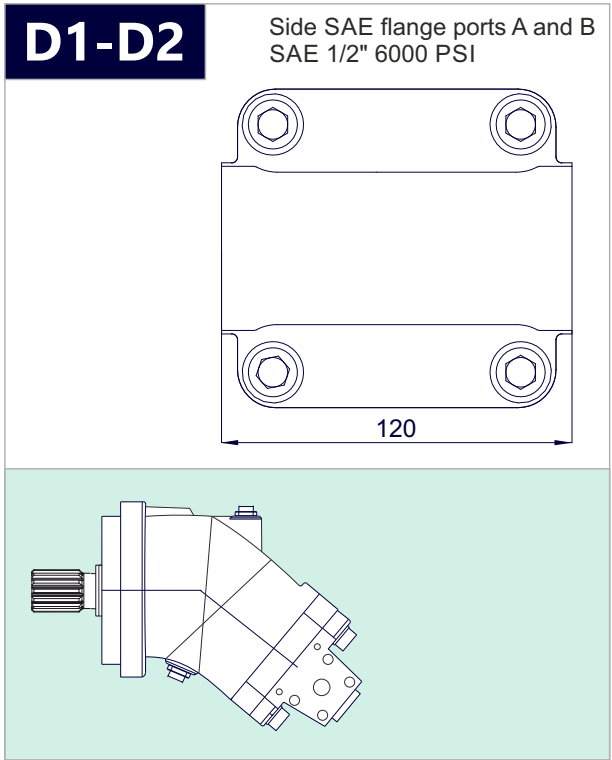
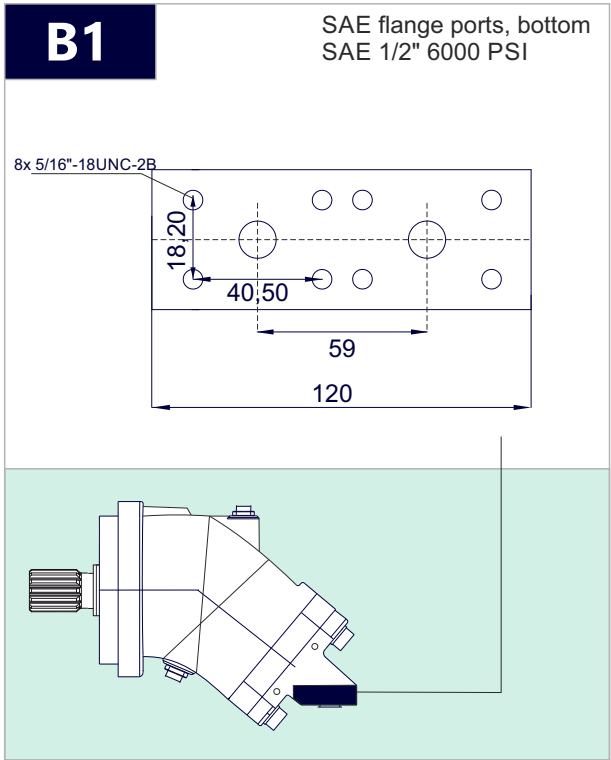
48

Dimensions Size;

AA2FM 40 - SAE C - 4 BOLT



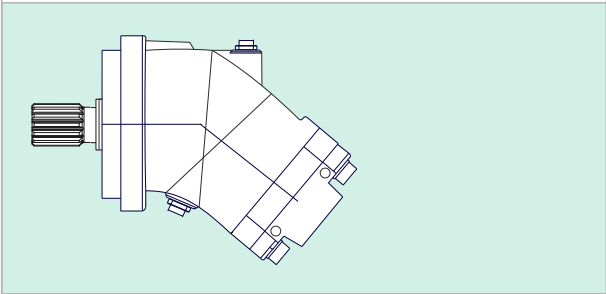
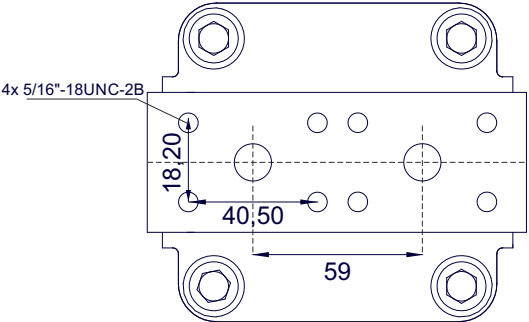
x 1000 rpm	x 1500 rpm	Max. Contin. Pump Speed	Max. Intermit. Pump Speed	Max. Contin. Pressure	Max. Peak Pressure	Torque bar	Torque at 350 bar	Max. Flow	Weight without accessor.	Weight with accessor.	Max. Motor Temp.	Min. Motor Temp.
40,20 cc	60,30 cc	5600 rpm	6300 rpm	400 bar	450 bar	0.68 m.N/bar	228 m.N	225	11,50 kg	11,90 kg	-25°	110°



Dimensions Size;
AA2FM 40 - SAE C - 4 BOLT

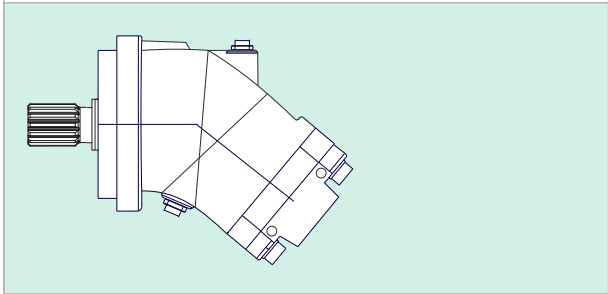
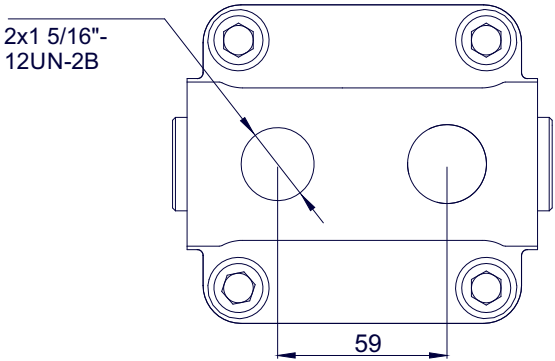
R1

Rear SAE flange ports A and B
SAE 1/2" 6000 PSI



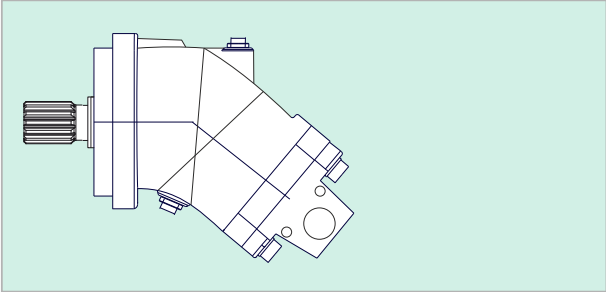
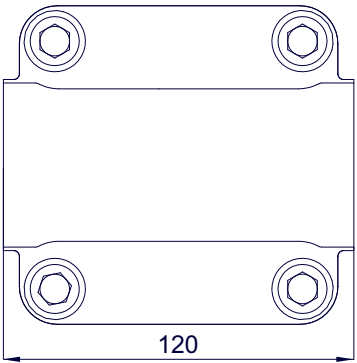
R2

Rear threaded ports



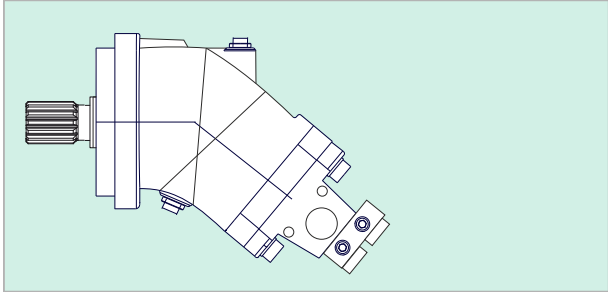
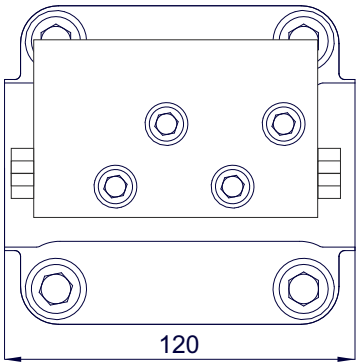
D3

Side threaded ports A and B



D4

Side threaded ports A and B



AA2FM 40 - SAE C - 4 BOLT

J1

7/16"-14UNC-2B

22

Splined shaft
14T 12/24DP 1 1/4"

ø35

35

48

J2

Cylindrical keyed shaft
Ø 1 1/4"

Key
width 7,94

7/16"-14UNC-2B

22

35,20

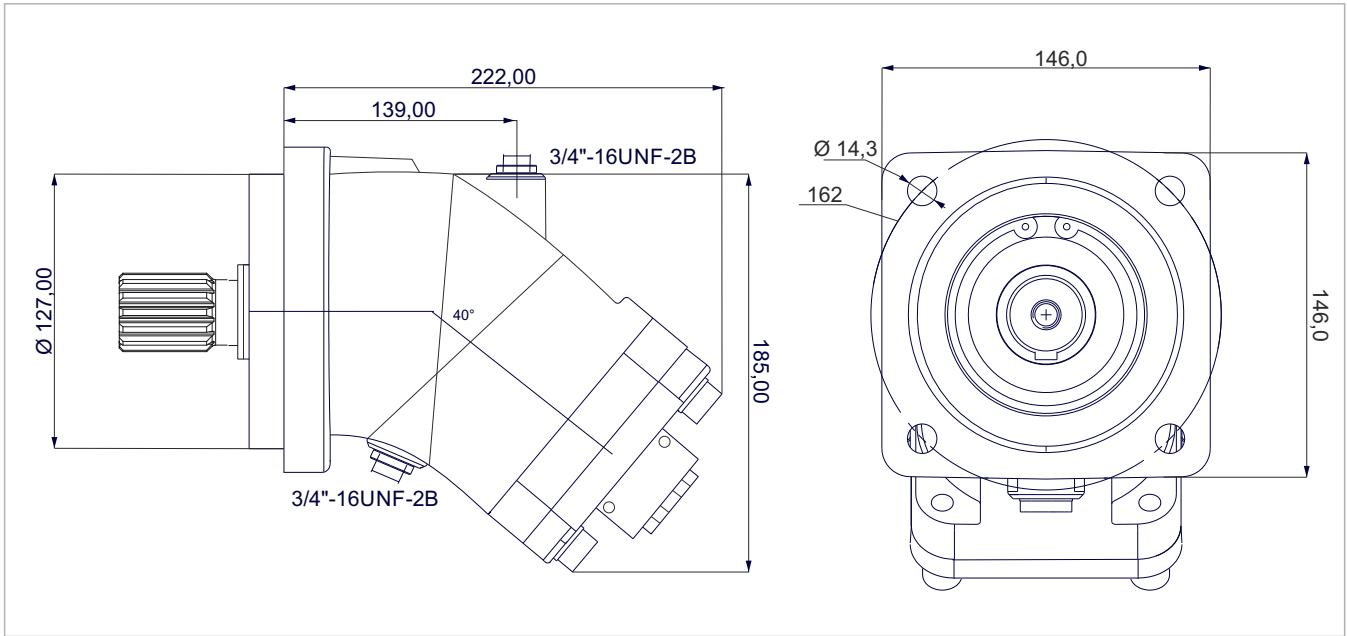
ø31,75

ø35

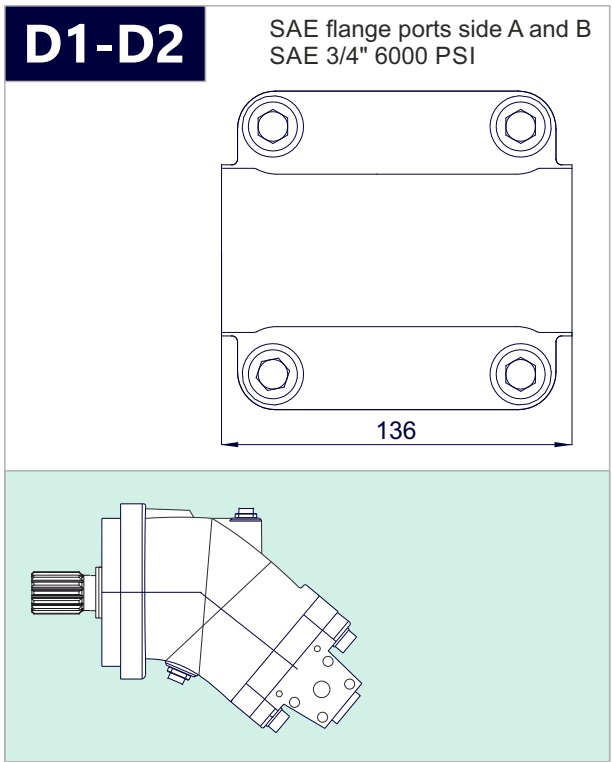
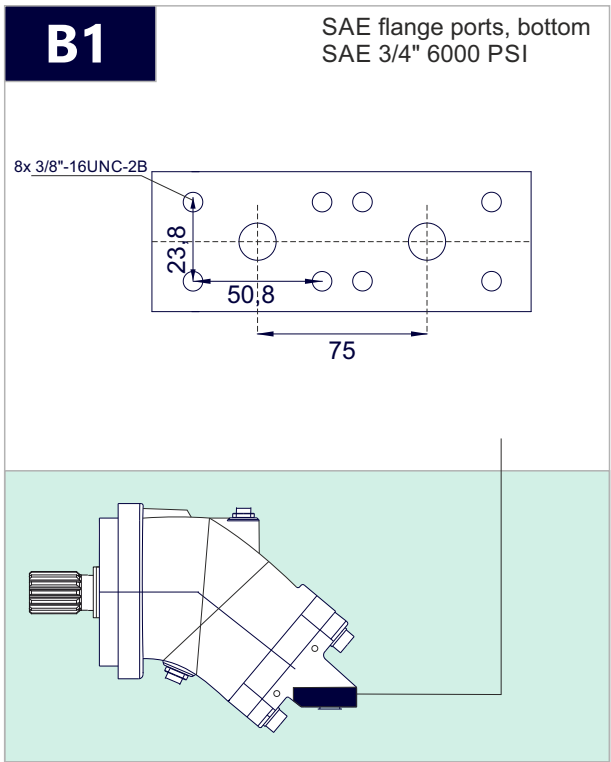
48

Dimensions Size;

AA2FM 50 - SAE C - 4 BOLT



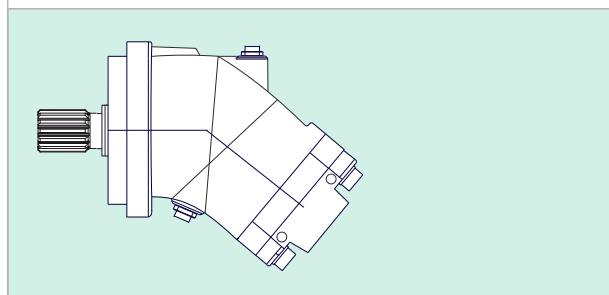
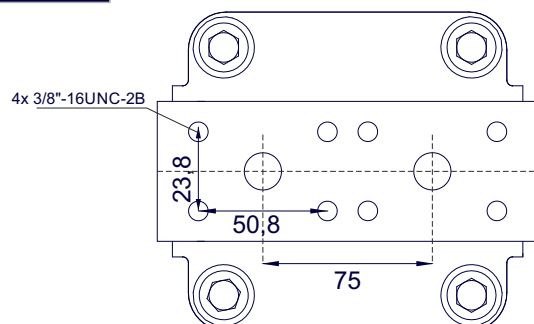
x 1000 rpm	x 1500 rpm	Max. Contin. Pump Speed	Max. Intermit. Pump Speed	Max. Contin. Pressure	Max. Peak Pressure	Torque bar	Torque at 350 bar	Max. Flow	Weight without accessor.	Weight with accessor.	Max. Motor Temp.	Min. Motor Temp.
50,00 cc	75,00 cc	5000 rpm	5500 rpm	400 bar	450 bar	0.80 m.N/bar	280 m.N	250	17,50 kg	18,00 kg	-25°	110°



AA2FM 50 - SAE C - 4 BOLT

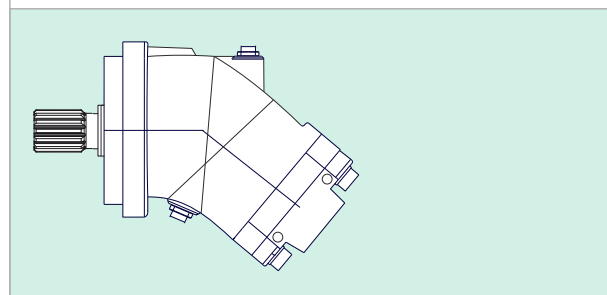
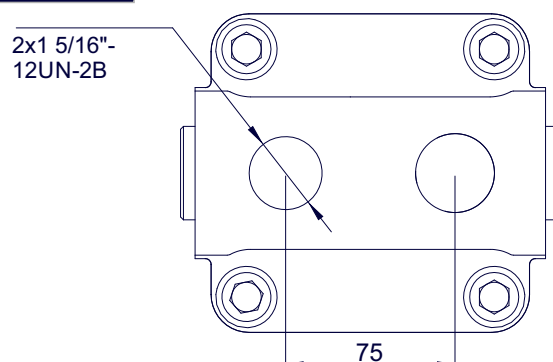
R1

SAE flange ports rear
SAE 3/4" 6000 PSI



R2

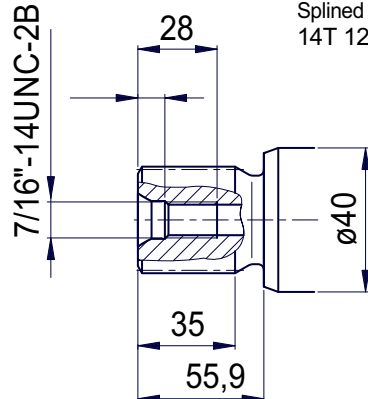
Rear threaded ports



J1

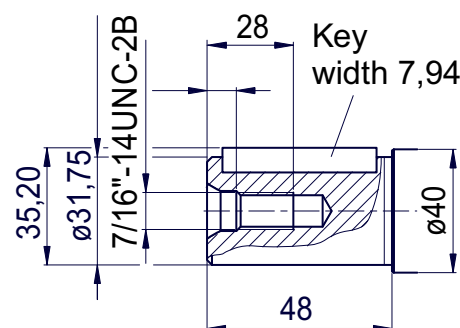
7/16"-14UNC-2B

Splined shaft
14T 12/24DP 1 1/4"



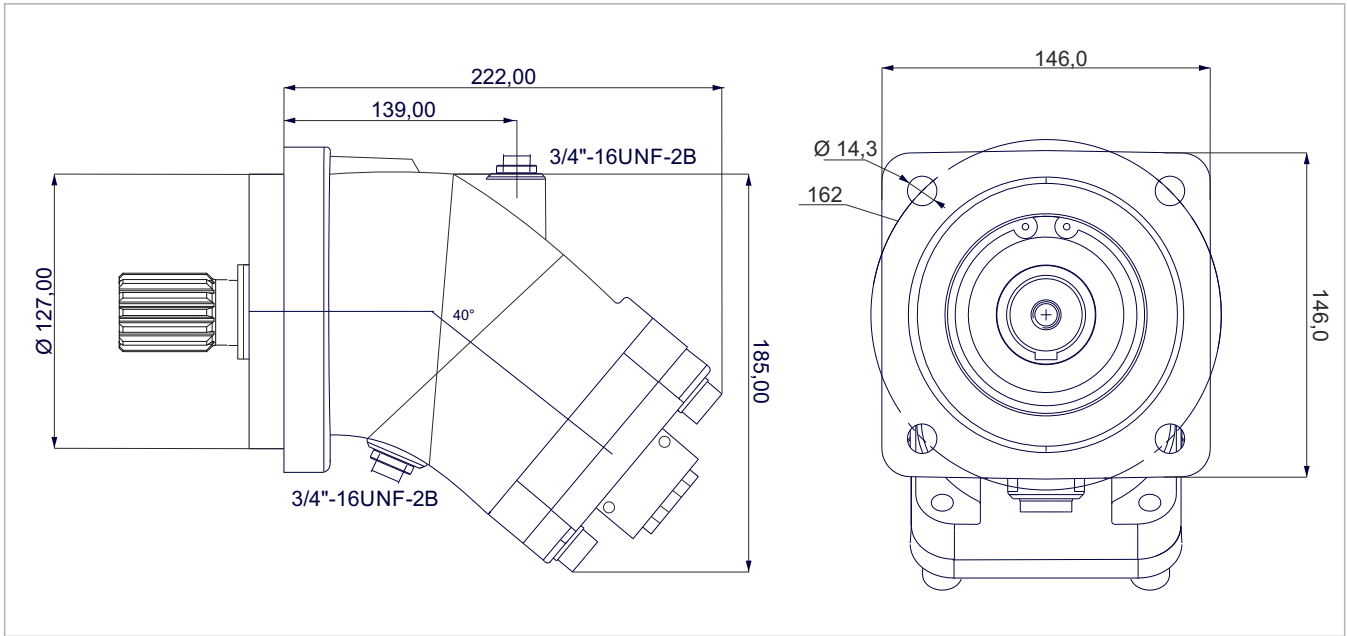
J2

Cylindrical keyed shaft
Ø 1 1/4"

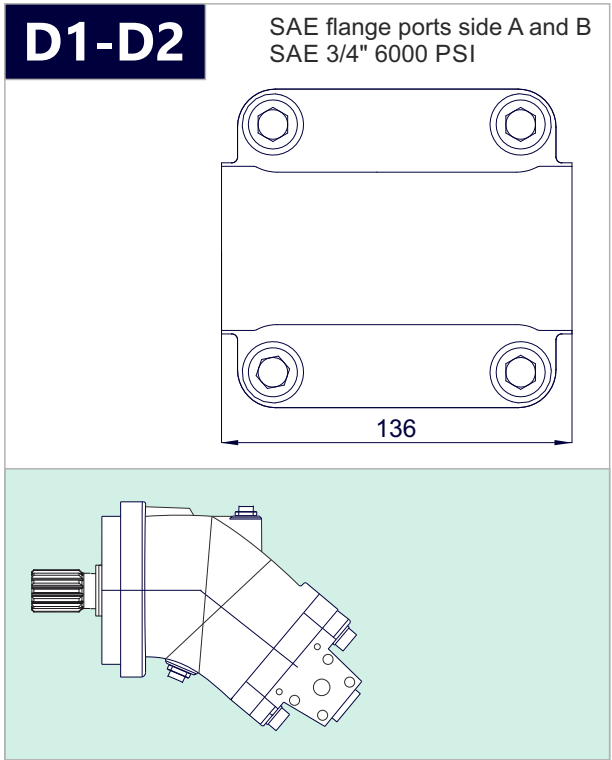
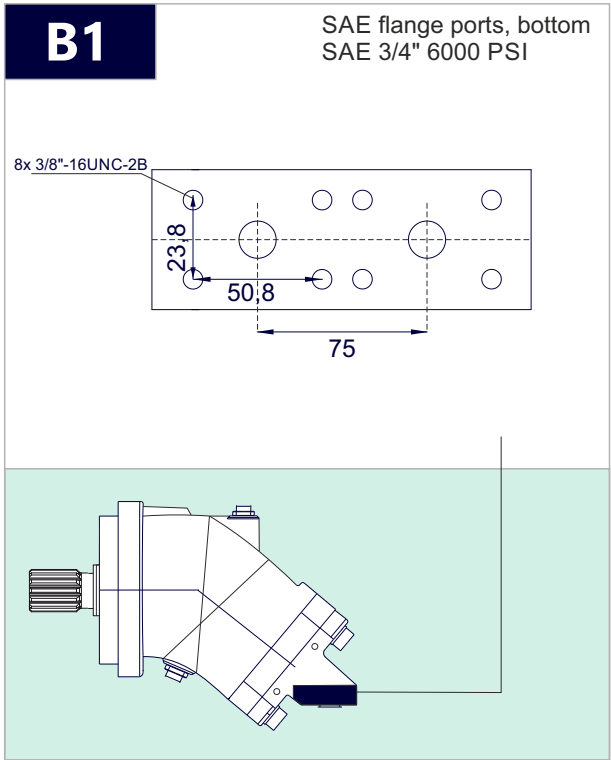


Dimensions Size;

AA2FM 56 - SAE C - 4 BOLT



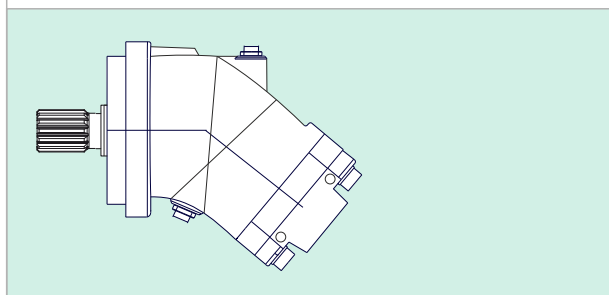
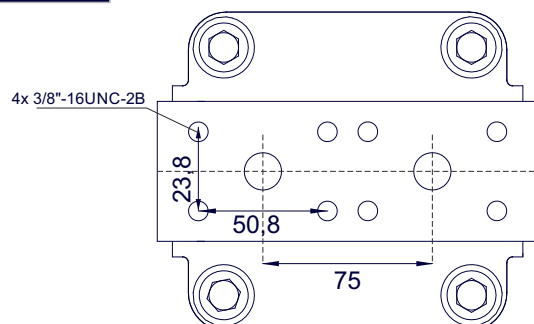
x 1000 rpm	x 1500 rpm	Max. Contin. Pump Speed	Max. Intermit. Pump Speed	Max. Contin. Pressure	Max. Peak Pressure	Torque bar	Torque at 350 bar	Max. Flow	Weight without accessor.	Weight with accessor.	Max. Motor Temp.	Min. Motor Temp.
56,40 cc	84,60 cc	5000 rpm	5500 rpm	400 bar	450 bar	0.92 m.N/bar	320 m.N	282	18,00 kg	18,50 kg	-25°	110°



AA2FM 56 - SAE C - 4 BOLT

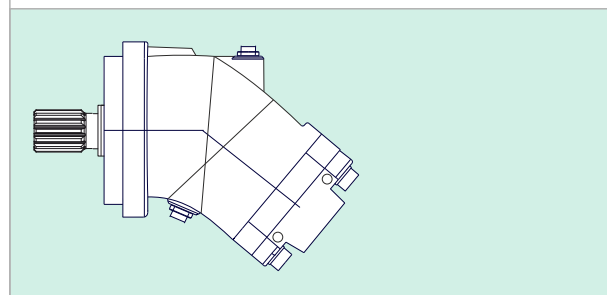
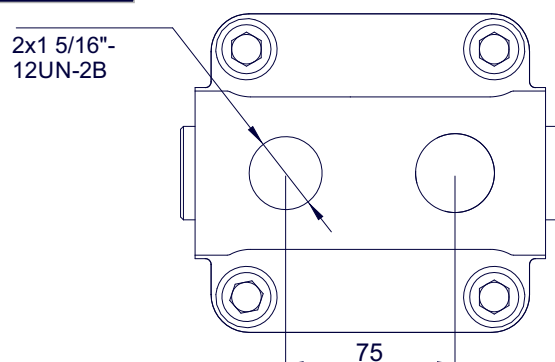
R1

SAE flange ports rear
SAE 3/4" 6000 PSI



R2

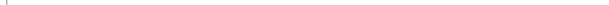
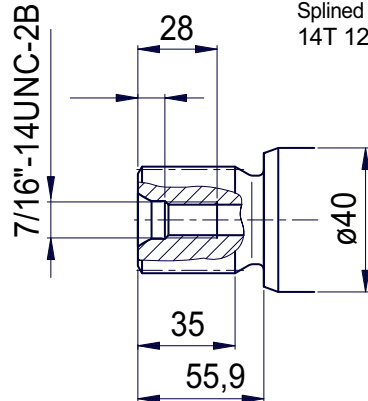
Rear threaded ports



J1

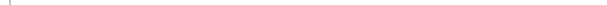
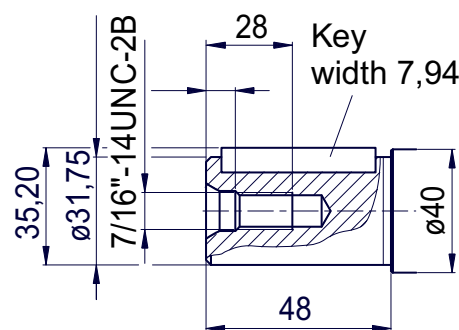
7/16"-14UNC-2B

Splined shaft
14T 12/24DP 1 1/4"



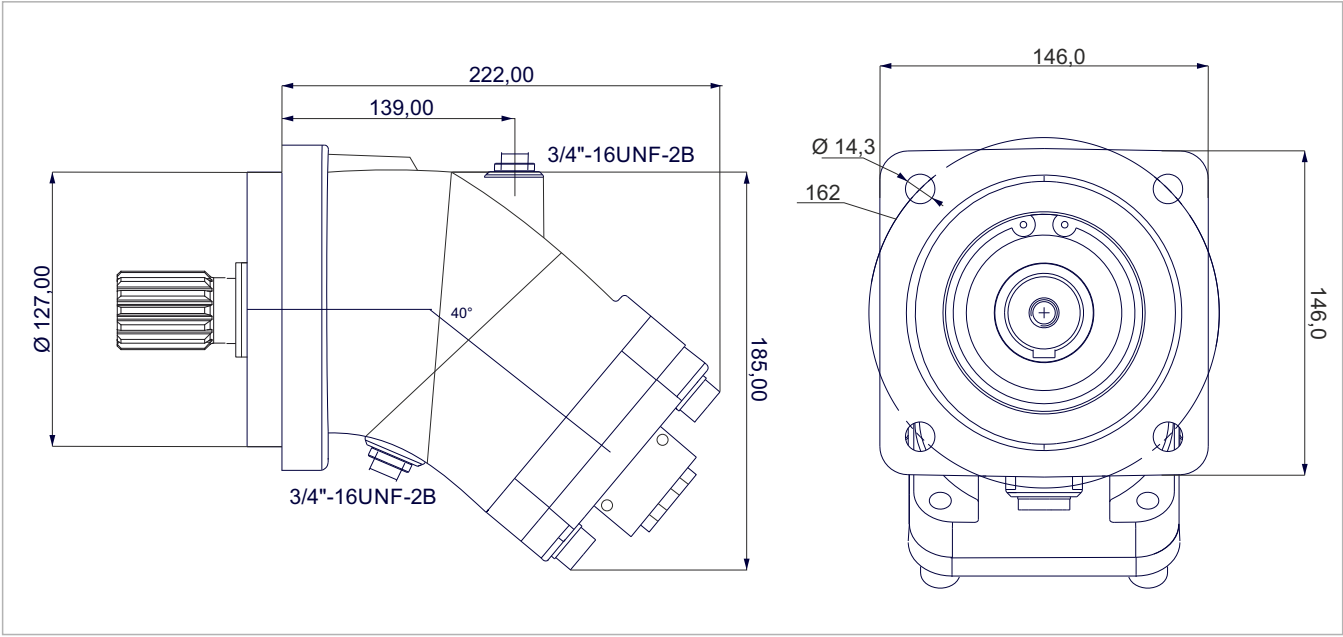
J2

Cylindrical keyed shaft
Ø 1 1/4"

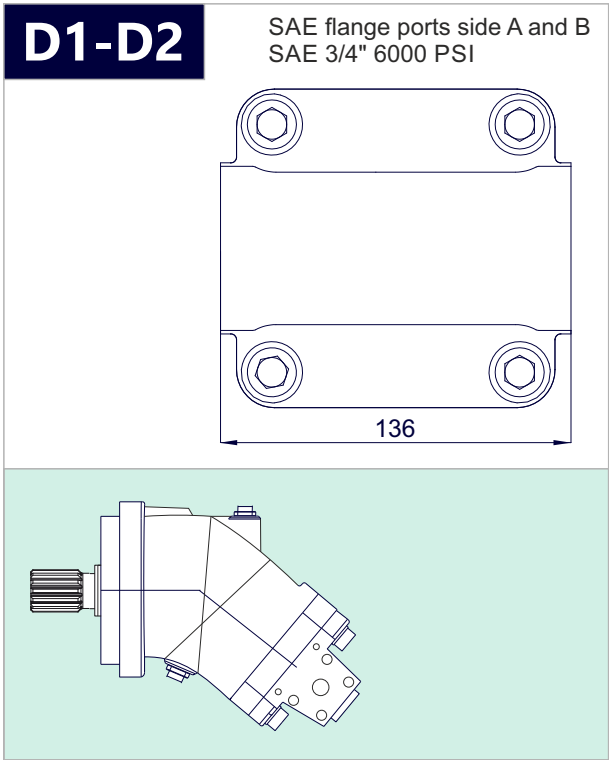
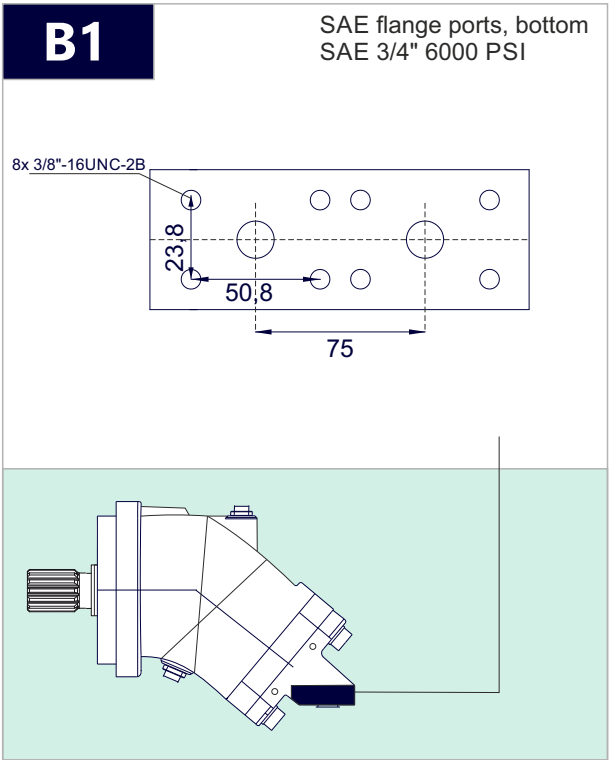


Dimensions Size;

AA2FM 63 - SAE C - 4 BOLT



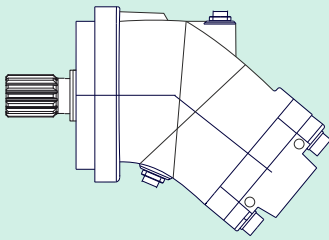
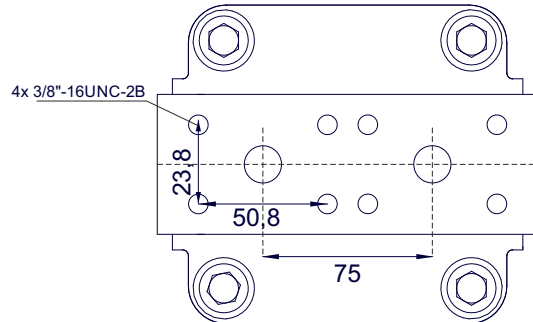
x 1000 rpm	x 1500 rpm	Max. Contin. Pump Speed	Max. Intermit. Pump Speed	Max. Contin. Pressure	Max. Peak Pressure	Torque bar	Torque at 350 bar	Max. Flow	Weight without accessor.	Weight with accessor.	Max. Motor Temp.	Min. Motor Temp.
63,00 cc	94,50 cc	5000 rpm	5500 rpm	400 bar	450 bar	1.00 m.N/bar	350 m.N	315	18,00 kg	18,50 kg	-25°	110°



AA2FM 63 - SAE C - 4 BOLT

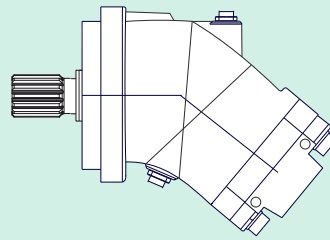
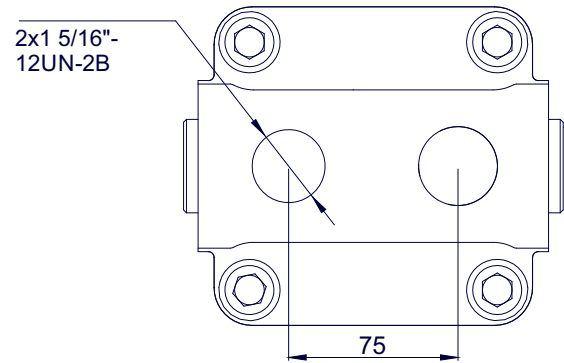
R1

SAE flange ports rear
SAE 3/4" 6000 PSI



R2

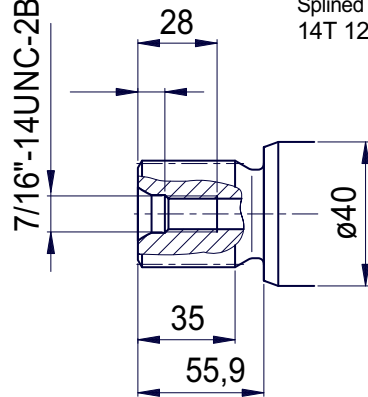
Rear threaded ports



J1

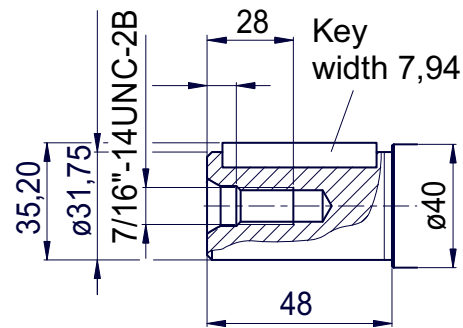
7/16"-14UNC-2B

Splined shaft
14T 12/24DP 1 1/4"



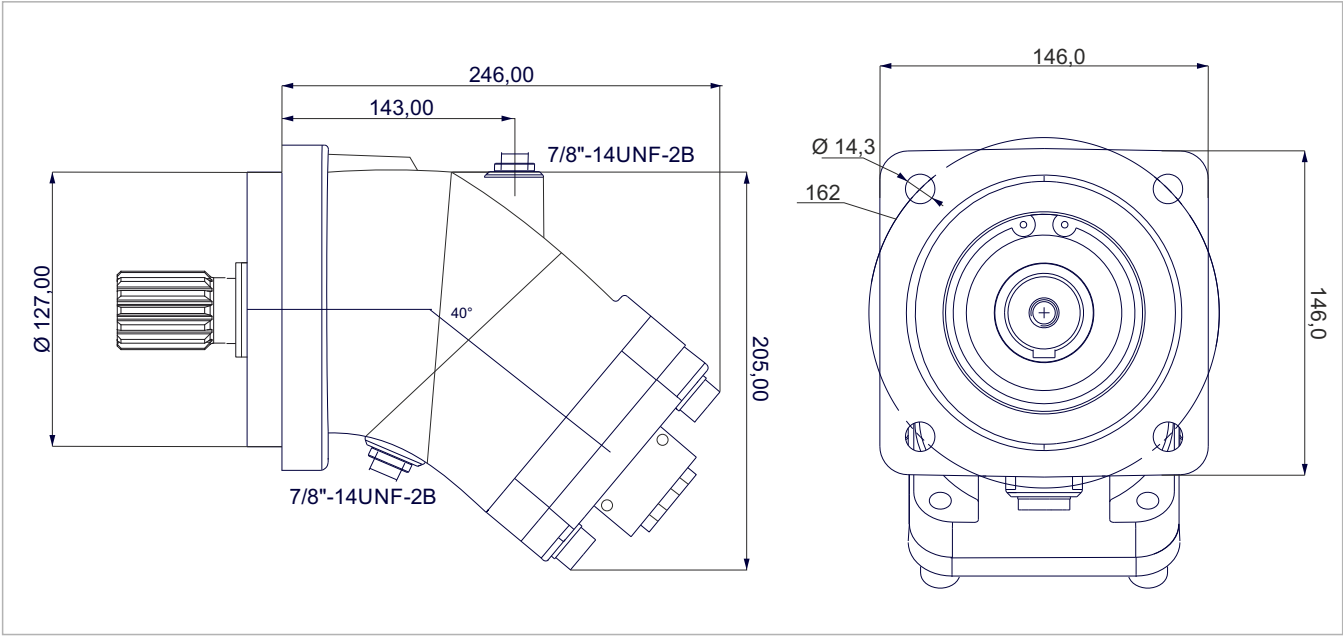
J2

Cylindrical keyed shaft
Ø 1 1/4"

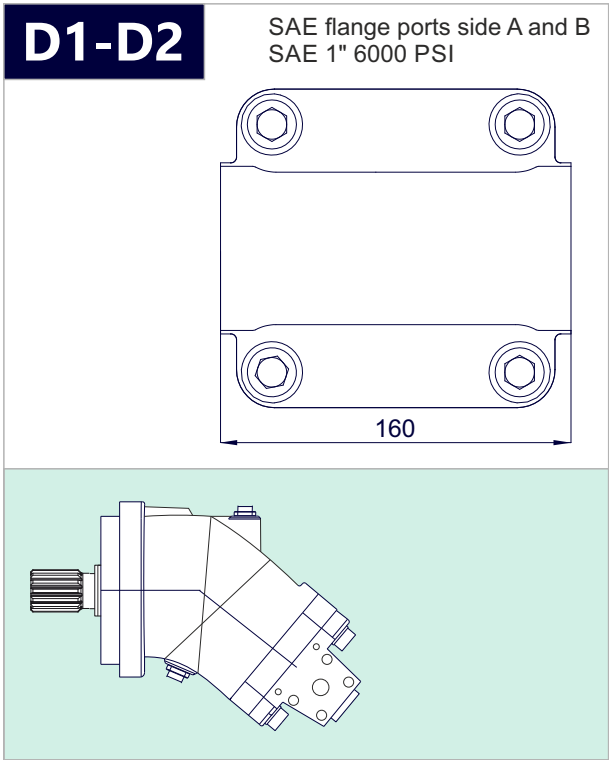
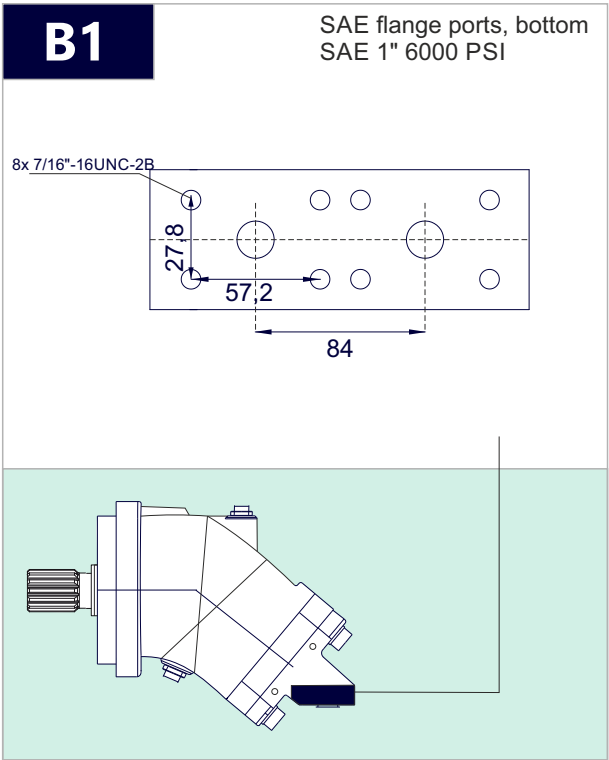


Dimensions Size;

AA2FM 80 - SAE C - 4 BOLT



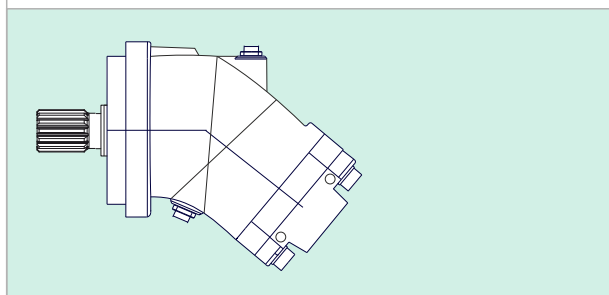
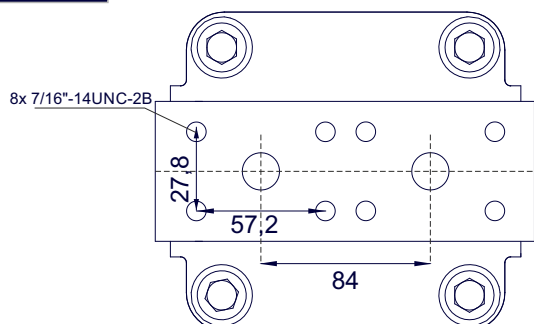
x 1000 rpm	x 1500 rpm	Max. Contin. Pump Speed	Max. Intermit. Pump Speed	Max. Contin. Pressure	Max. Peak Pressure	Torque bar	Torque at 350 bar	Max. Flow	Weight without accessor.	Weight with accessor.	Max. Motor Temp.	Min. Motor Temp.
80,00 cc	120,00 cc	4400 rpm	4900 rpm	400 bar	450 bar	1.28 m.N/bar	440 m.N	352	22,00 kg	22,50 kg	-25°	110°



AA2FM 80 - SAE C - 4 BOLT

R1

SAE flange ports rear
SAE 1" 6000 PSI

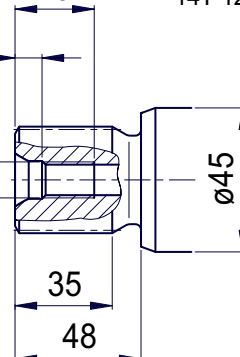


J1

7/16\"-14UNC-2B

28

Splined shaft
14T 12/24DP 1 1/4"



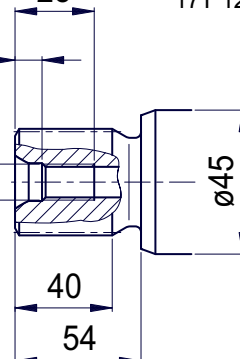
!! Special

J1

7/16\"-14UNC-2B

28

Splined shaft
17T 12/24DP 1 1/2"



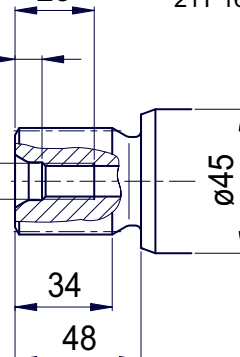
!! Special

J1

7/16\"-14UNC-2B

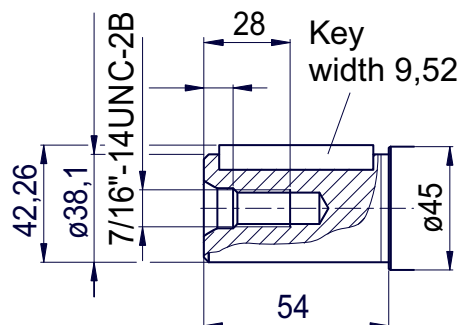
28

Splined shaft
21T 16/32DP 1 3/8"



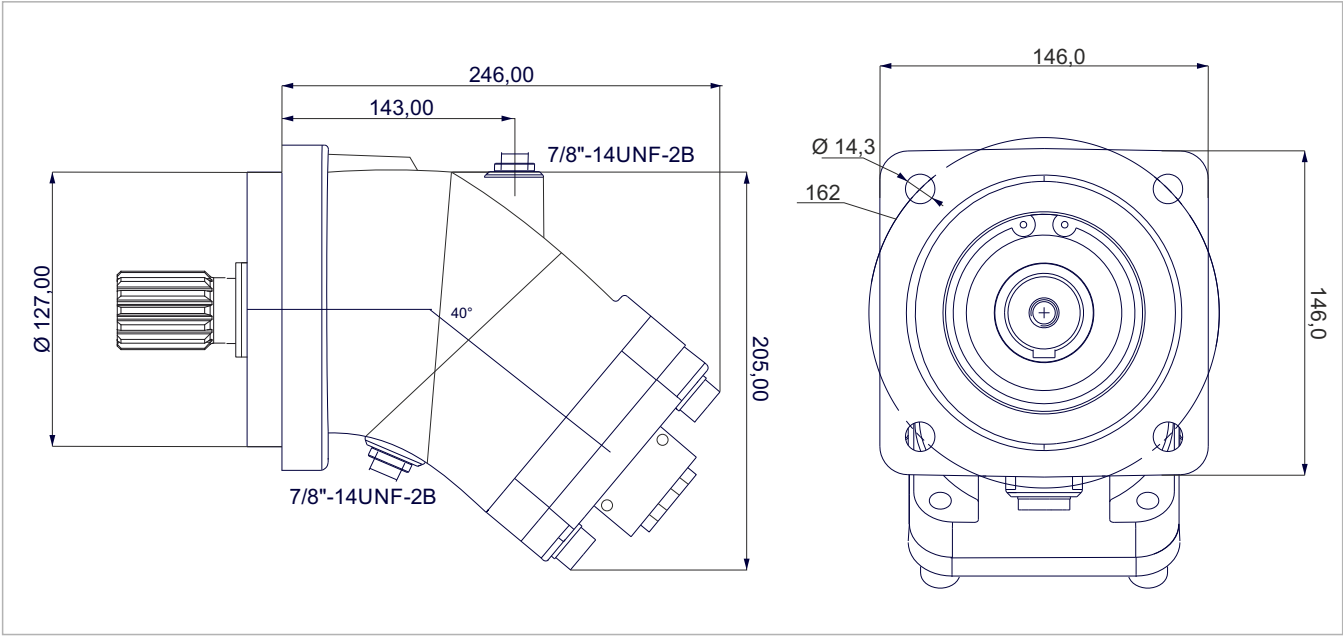
J2

Cylindrical keyed shaft
Ø 1 1/2"

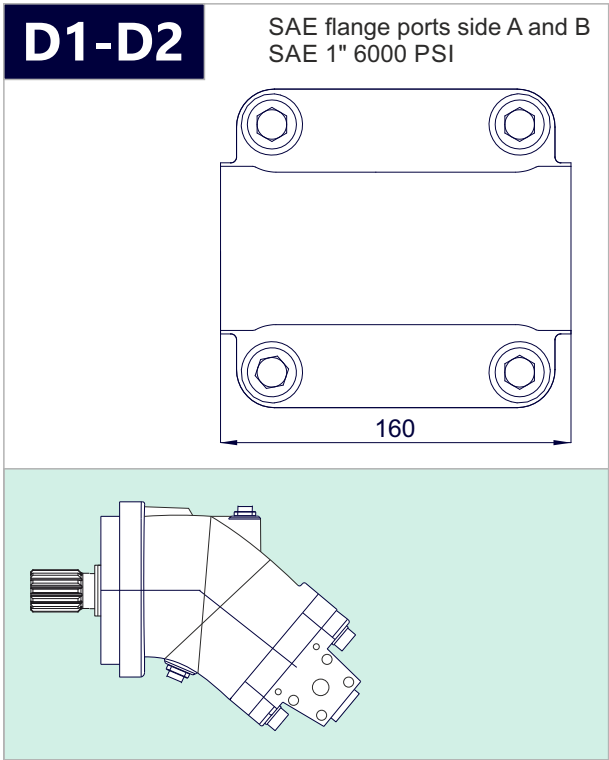
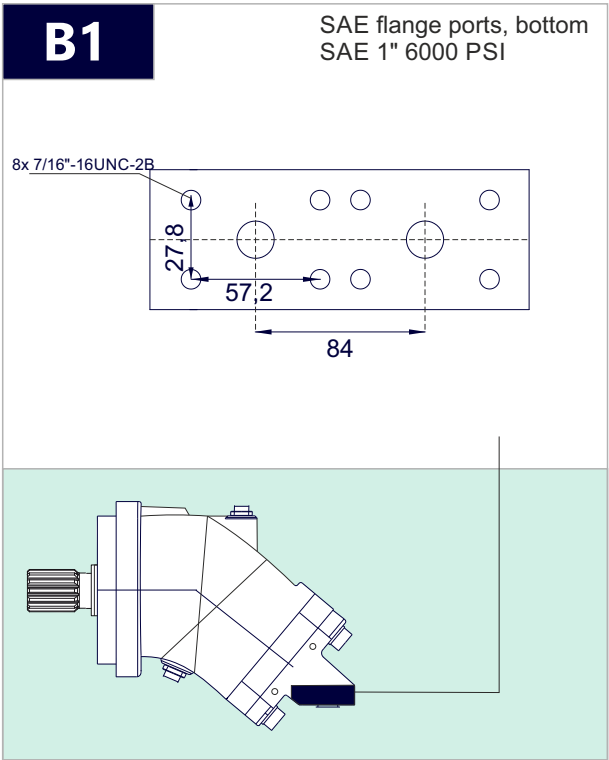


Dimensions Size;

AA2FM 108 - SAE C - 4 BOLT



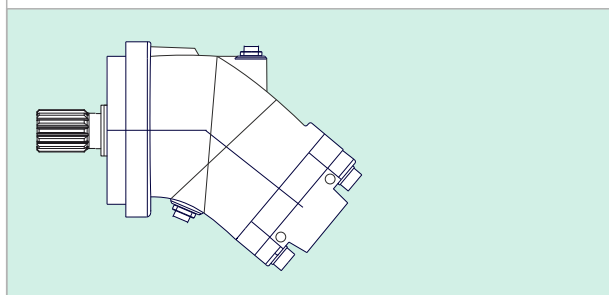
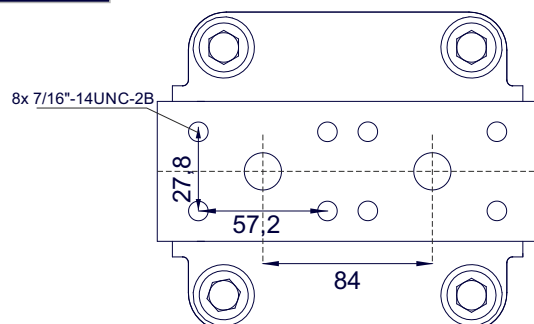
x 1000 rpm	x 1500 rpm	Max. Contin. Pump Speed	Max. Intermit. Pump Speed	Max. Contin. Pressure	Max. Peak Pressure	Torque bar	Torque at 350 bar	Max. Flow	Weight without accessor.	Weight with accessor.	Max. Motor Temp.	Min. Motor Temp.
108,4 cc	162,6 cc	4000 rpm	4400 rpm	400 bar	450 bar	1.69 m.N/bar	600 m.N	433	22,50 kg	23,00 kg	-25°	110°



AA2FM 108 - SAE C - 4 BOLT

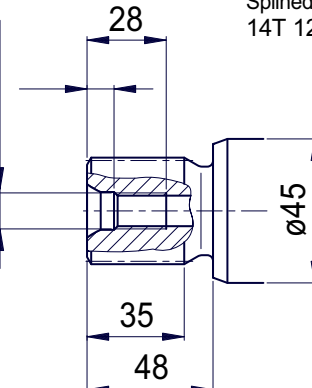
R1

SAE flange ports rear
SAE 1" 6000 PSI



J1

7/16\"-14UNC-2B

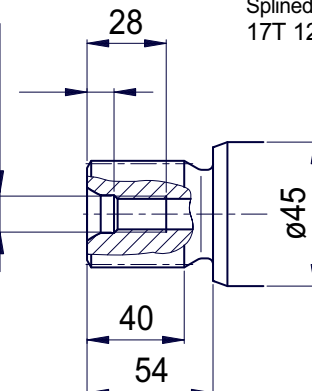


Splined shaft
14T 12/24DP 1 1/4"

!! Special

J1

7/16\"-14UNC-2B

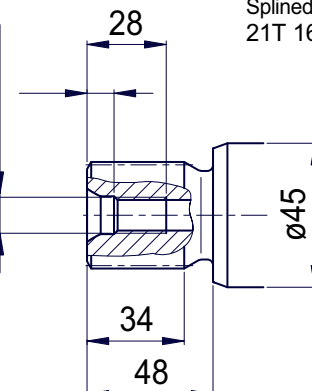


Splined shaft
17T 12/24DP 1 1/2"

!! Special

J1

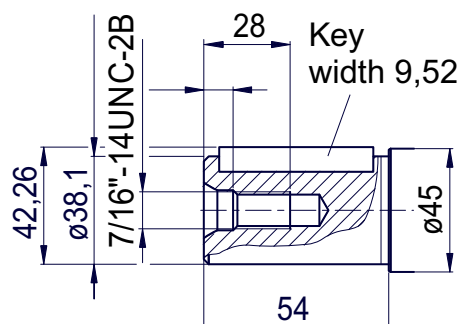
7/16\"-14UNC-2B



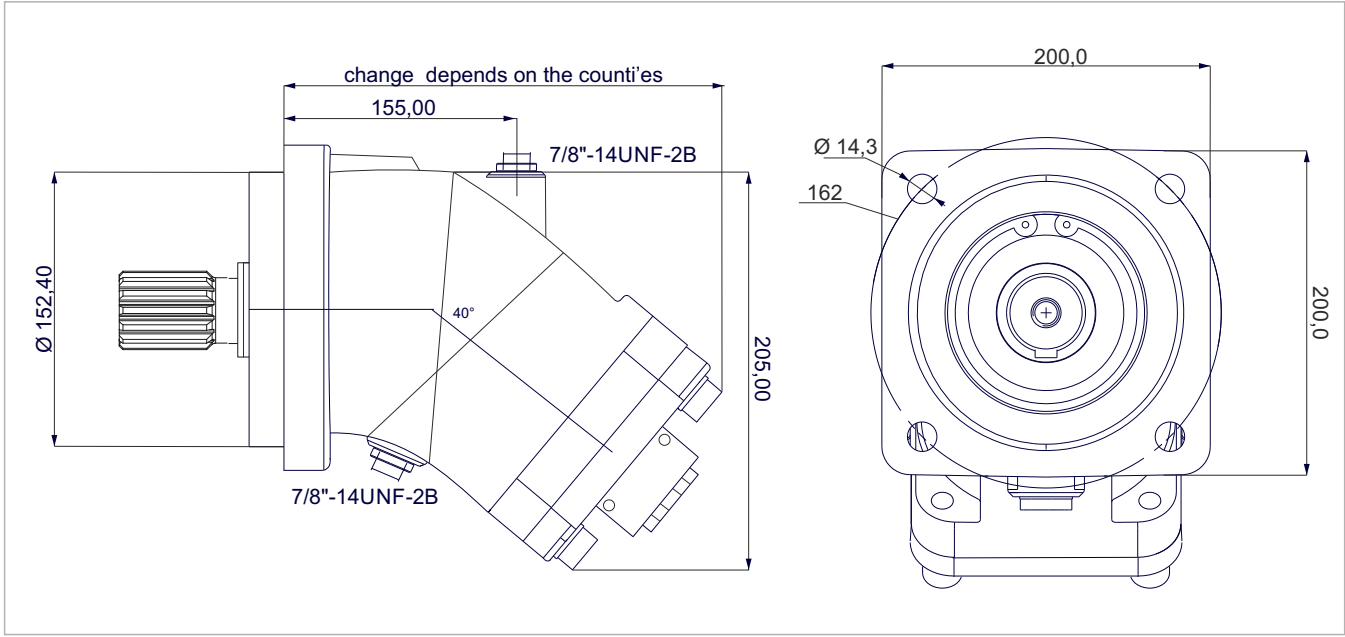
Splined shaft
21T 16/32DP 1 3/8"

J2

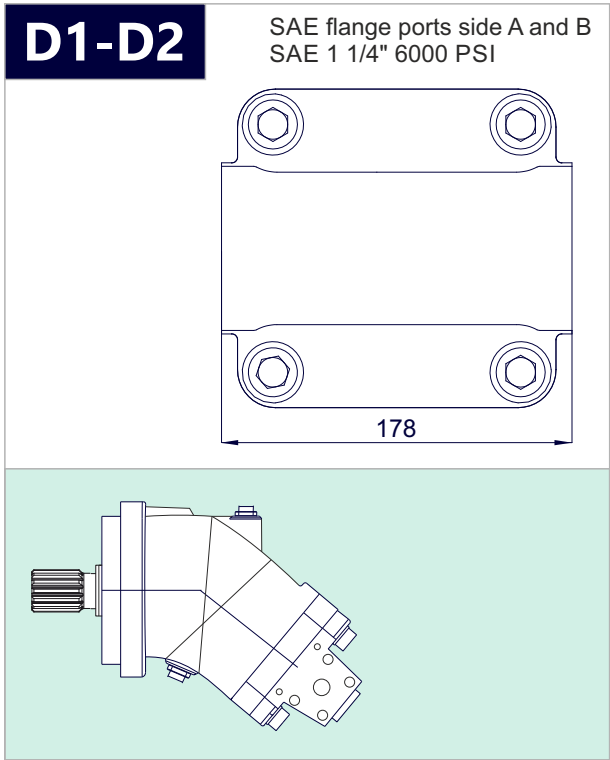
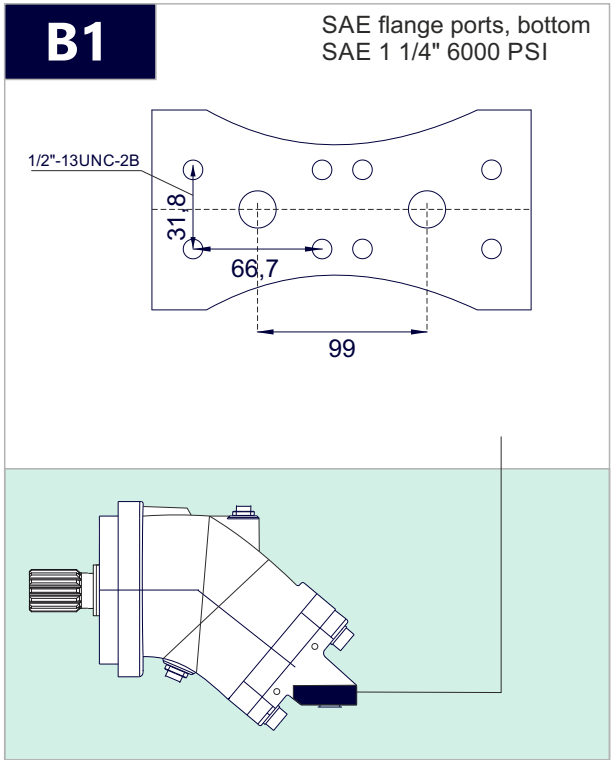
Cylindrical keyed shaft
Ø 1 1/2"



AA2FM 108 - SAE D - 4 BOLT



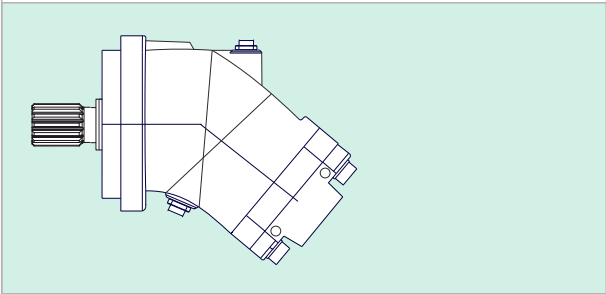
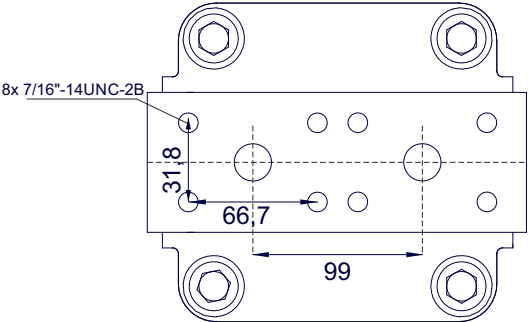
x 1000 rpm	x 1500 rpm	Max. Contin. Pump Speed	Max. Intermit. Pump Speed	Max. Contin. Pressure	Max. Peak Pressure	Torque bar	Torque at 350 bar	Max. Flow	Weight without accessor.	Weight with accessor.	Max. Motor Temp.	Min. Motor Temp.
108,4 cc	162,6 cc	4000 rpm	4400 rpm	400 bar	450 bar	1.69 m.N/bar	600 m.N	433	22,50 kg	23,00 kg	-25°	110°



AA2FM 108 - SAE D - 4 BOLT

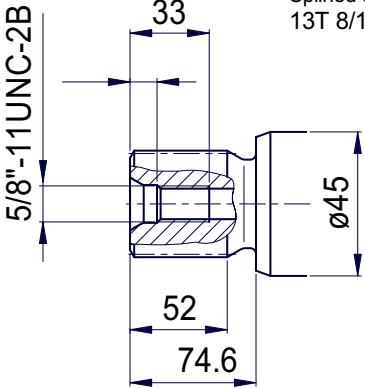
R1

SAE flange ports rear
SAE 1 1/4" 6000 PSI



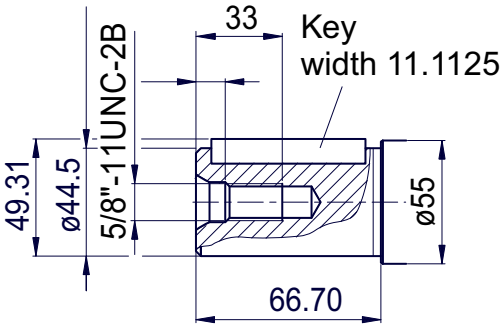
J1

Splined shaft
13T 8/16DP 1 3/4"



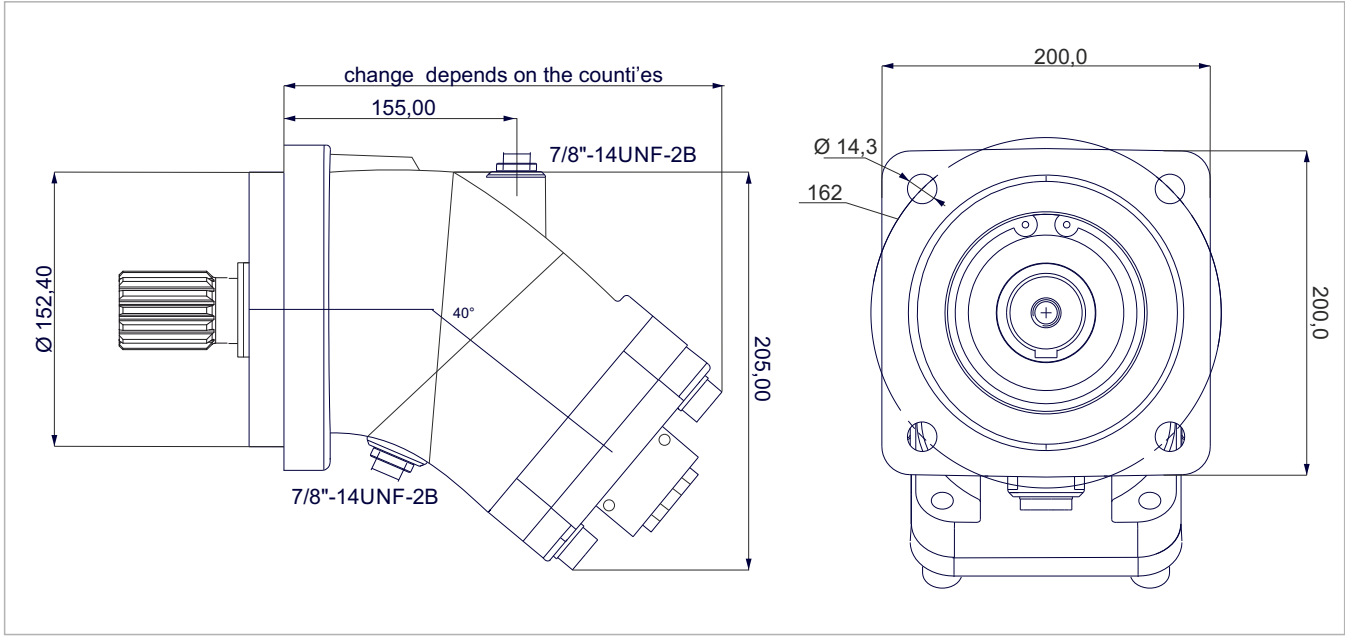
J2

Cylindrical keyed shaft
Ø 1 3/4"

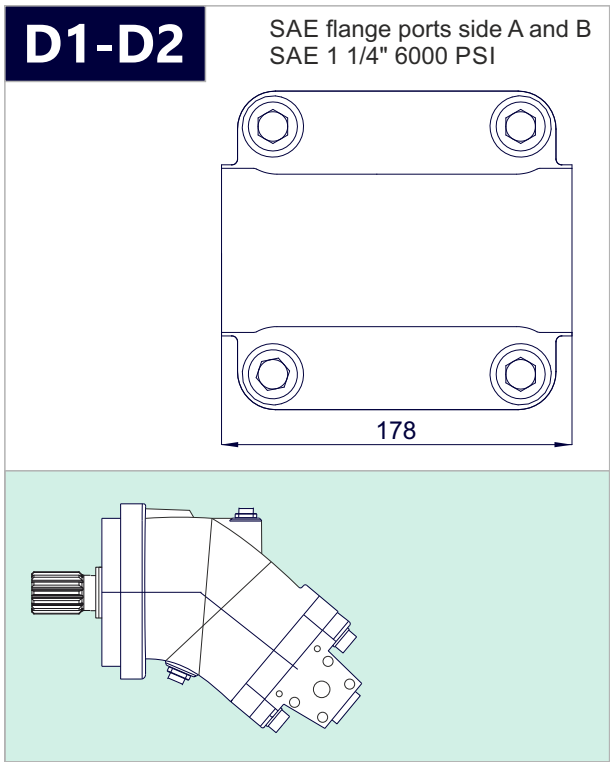
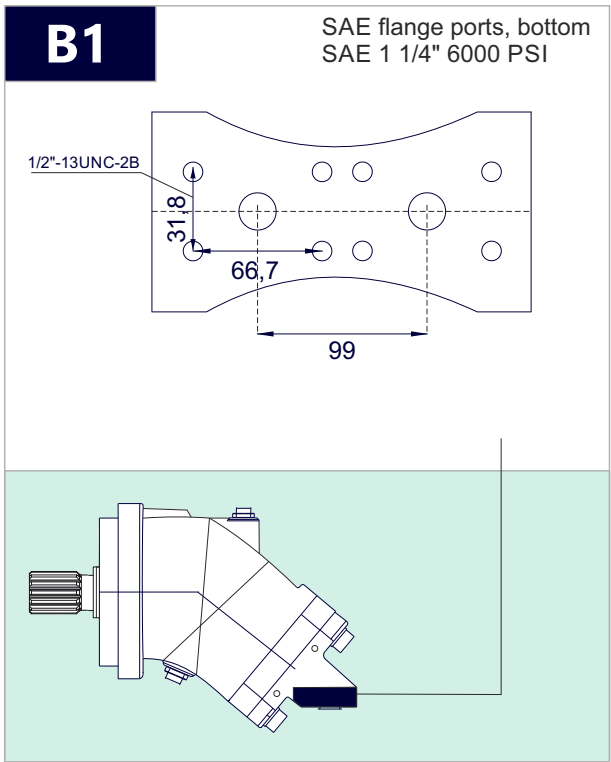


Dimensions Size;

AA2FM 130 - SAE D - 4 BOLT



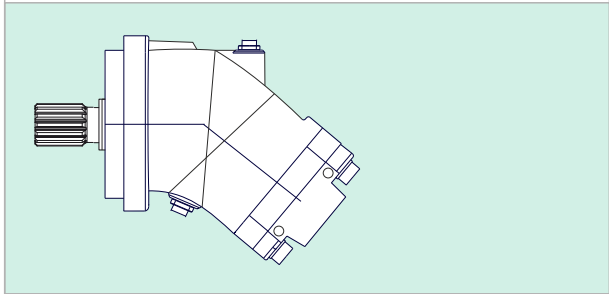
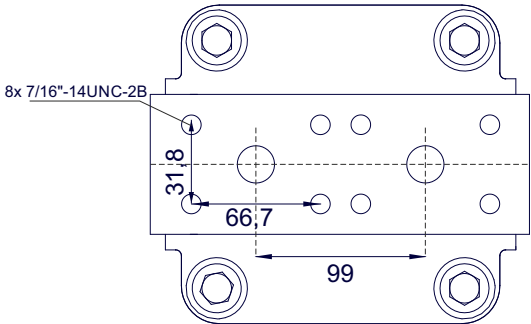
x 1000 rpm	x 1500 rpm	Max. Contin. Pump Speed	Max. Intermit. Pump Speed	Max. Contin. Pressure	Max. Peak Pressure	Torque bar	Torque at 350 bar	Max. Flow	Weight without accessor.	Weight with accessor.	Max. Motor Temp.	Min. Motor Temp.
130,0 cc	195,0 cc	3400 rpm	4400 rpm	400 bar	450 bar	2.10 m.N/bar	710 m.N	442	30,50 kg	30,90 kg	-25°	110°



AA2FM 130 - SAE D - 4 BOLT

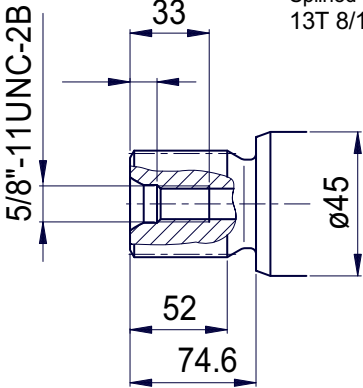
R1

SAE flange ports rear
SAE 1 1/4" 6000 PSI



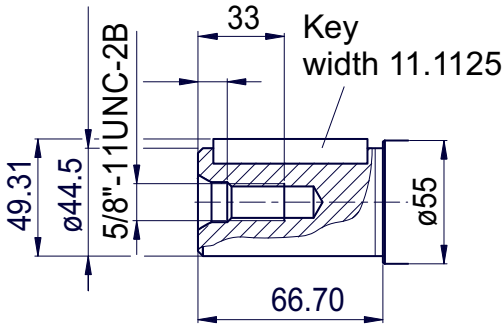
J1

Splined shaft
13T 8/16DP 1 3/4"



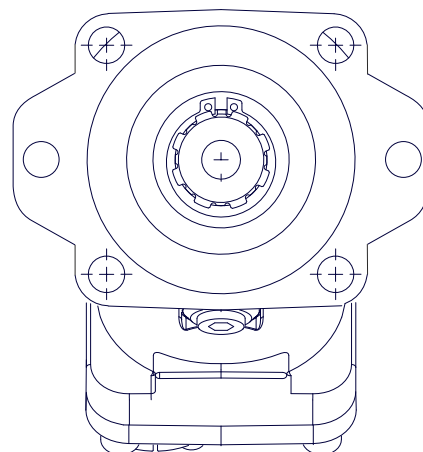
J2

Cylindrical keyed shaft
Ø 1 3/4"

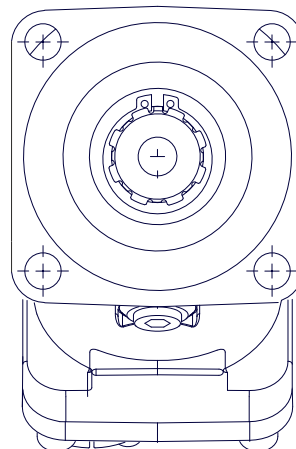


Special Mounting Flanges

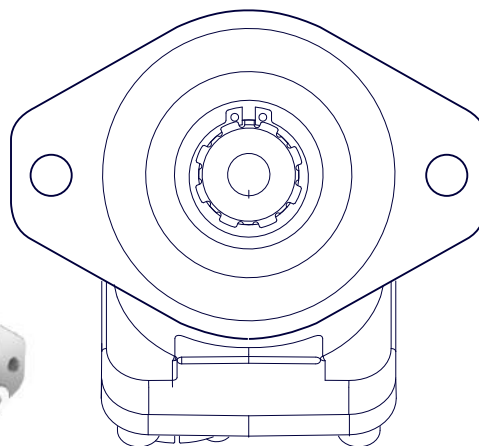
SAE B - 6 BOLT
Mounting Flange



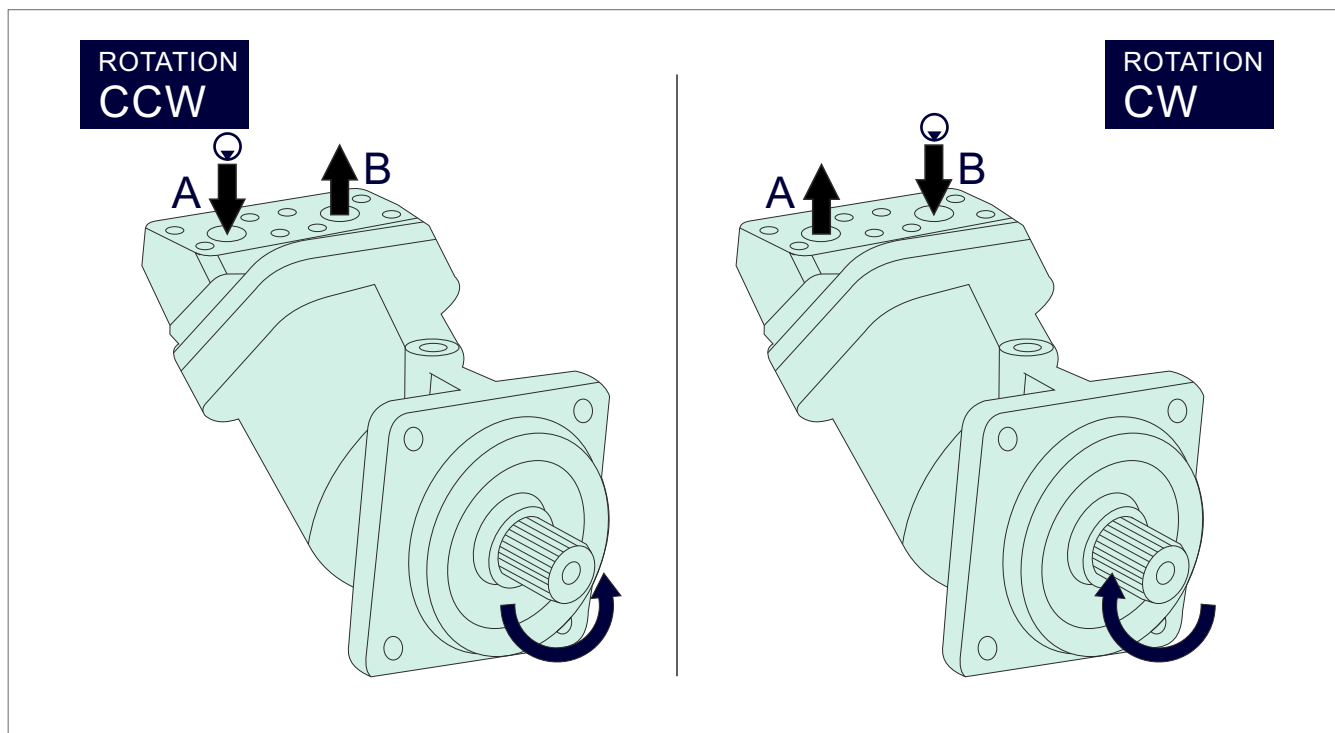
SAE C- 4 BOLT



SAE B - 2 BOLT



Direction of Rotation



Quick Calculation

Flow rate

$$Q = \frac{V_s \cdot n}{1000 \eta_v} \text{ (lpm)}$$

Torque

$$M = \frac{V_s \cdot \Delta p \cdot \eta_{mh}}{63} \text{ (Nm)}$$

Power

$$P = \frac{2\pi \cdot M \cdot n}{60000} = \frac{M \cdot n}{9549} = \frac{Q \cdot \Delta p \cdot \eta_t}{600} \text{ (kw)}$$

Speed

$$n = \frac{1000 \cdot Q \cdot \eta_v}{V_s} \text{ (rpm)}$$

V_s = Displacement (ccm/rev.)

Δp = Diff. pressure (bar)

n = Speed (rpm)

Q = Flow (lpm)

η_v = Volumetric efficiency

η_{mh} = Mechanical-hydraulic efficiency

η_t = Total efficiency ($\eta_t = \eta_v \times \eta_{mh}$)

Address all questions regarding spare parts to your responsible Our Service Partner or the technical service department of the manufacture's plant / factory for the Bent Axis Motors.

Installation

POSITION

AA2FM Motors can be operate any position.

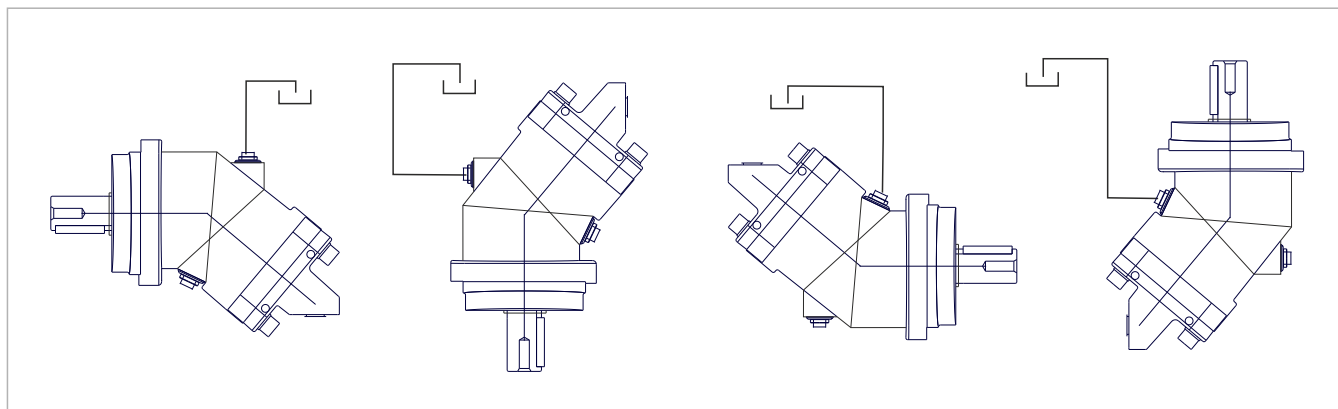
DIRECTION OF ROTATION

AA2FM Motors can be operate in both directions of rotation.

Before of Installation operation, the motor must be filled with hydraulic fluid and air bled.

INSTALLATION POSITION

See following examples.

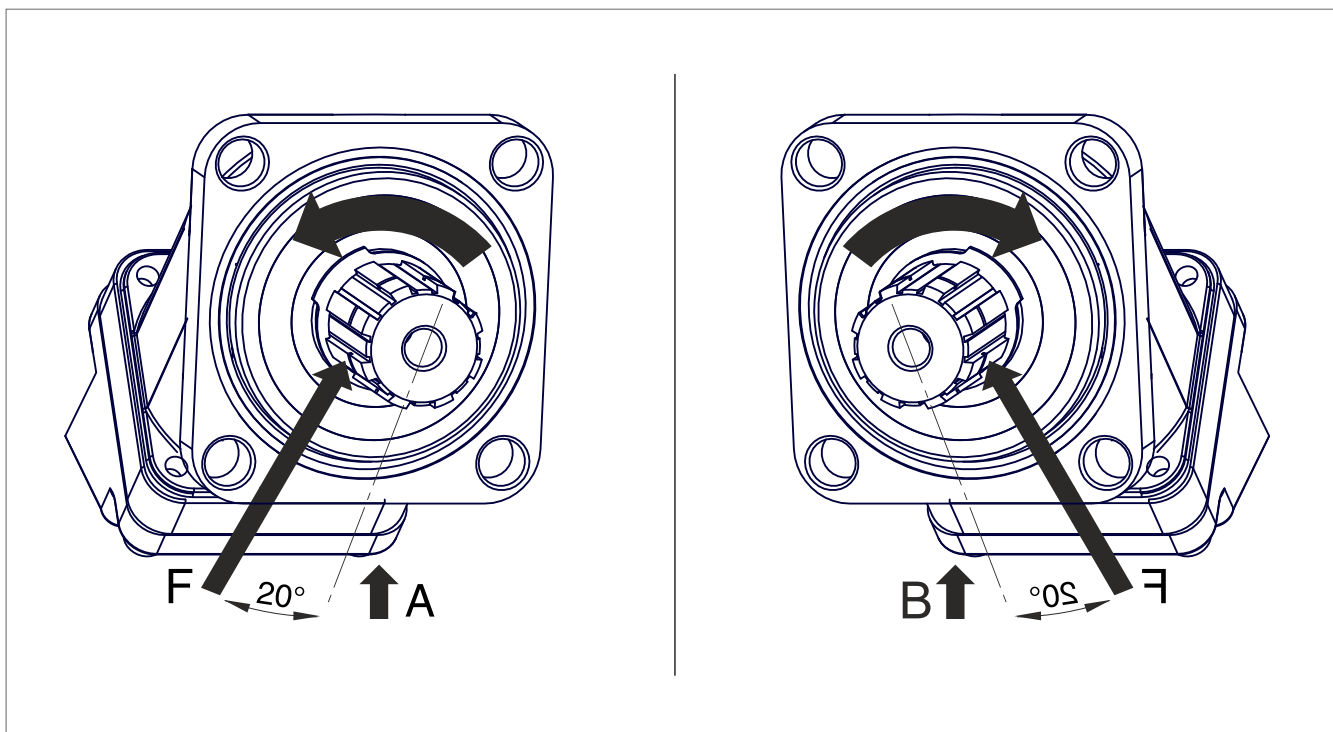


HYDRAULIC FLUID

Recommended ;

Generally : between 15 and 200 cSt.

Maximum : between 5 and 1600 cSt.



FOR USE;

Available via e-mail on request or each motor is supplied via Starting datasheet.

For detailed information about AA2FM Bent Axis Motors, please contact with Technical Department !!!