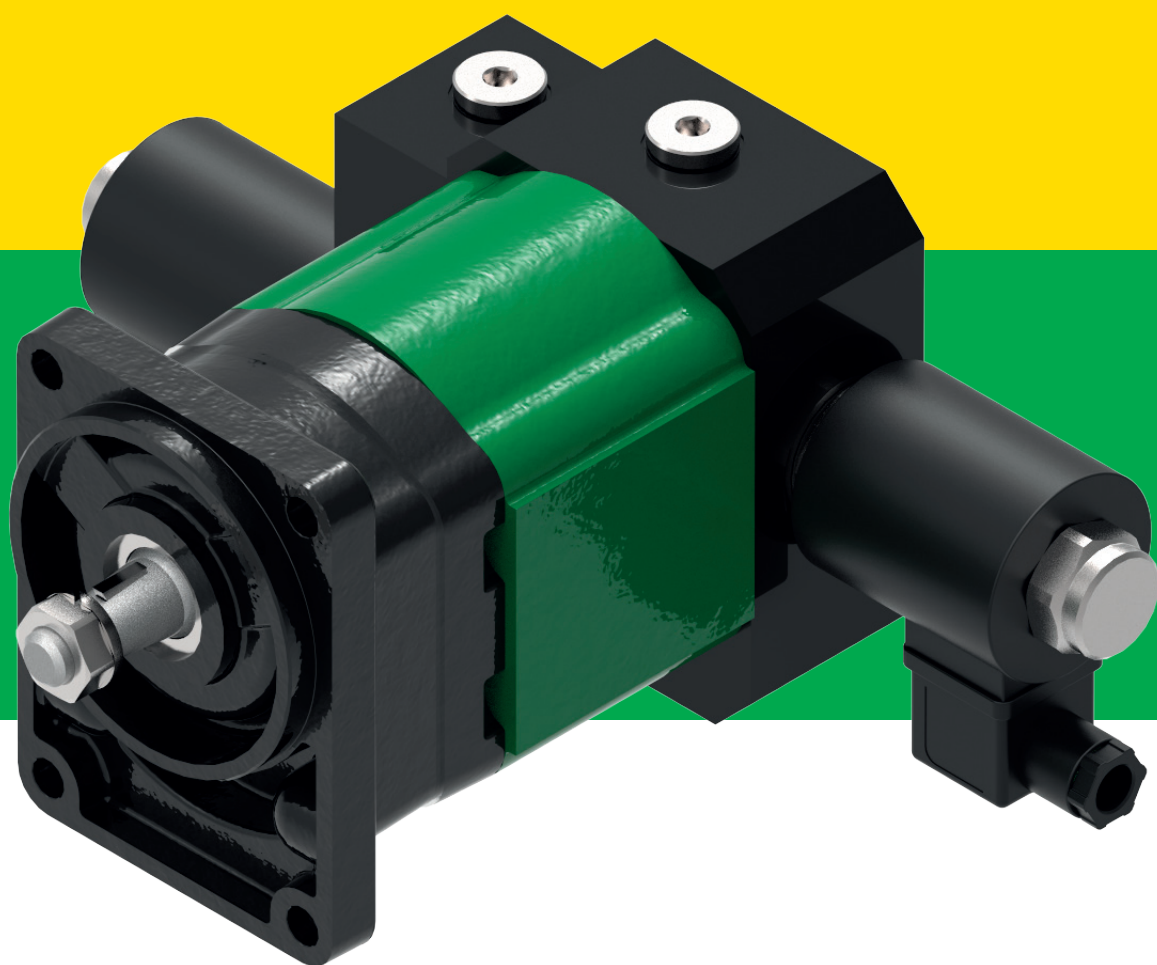

2ME

Aluminium gear motors

Technical Catalogue

E0.120.0322.02.00IM05



COMPANY WITH
QUALITY SYSTEM
CERTIFIED BY DNV
ISO 9001

salami  [®]

Final revised edition - March 2022

The data in this catalogue refers to the standard product. The policy of Salami S.p.A. consists of a continuous improvement of its products. It reserves the right to change the specifications of the different products whenever necessary and without giving prior information.

If any doubts, please contact our sales department.

GEAR MOTORS

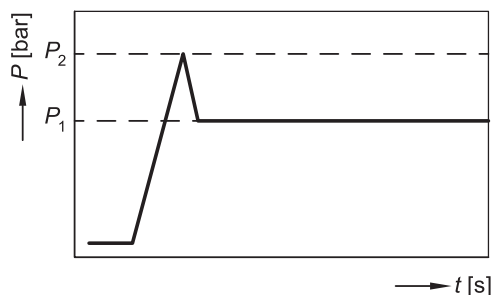
- Displacements from 2.8 cm³/rev to 73.4 cm³/rev (*from 0.17 cu.in./rev to 4.48 cu.in./rev*).
- Rated pressure up to 250 bar (3625psi).
- Speed up to 4500 rpm.
- Flanges, shafts and ports for ISO, DIN and SAE standards.
- Available in uni and bi-directional version for all the sizes, displacements and configurations.
- High volumetric efficiency thanks to an innovative design and an accurate control of machining tolerances.
- Axial compensation achieved by the use of floating bushes that allow high volumetric efficiency throughout the working pressure range.
- DU bearings to ensure high pressure capability.
- 12 teeth integral gear and shaft.
- Aluminium body.
- Cast iron flange and cover.
- Double shaft seals in all motor series. The one which faces the internal side is reinforced.
- Nitrile seals as standard and Viton seals in high temperature applications.
- Available with different valves and circuit configurations built-in rear cover.
- All motors are hydraulically tested after assembly to ensure the highest standard performance.

WORKING CONDITIONS

- Max pressure drain	20 bar (290 psi)
- Minimum operating fluid viscosity	12 mm ² /sec
- Permitted viscosity range	12 - 800 mm ² / sec
- Recommended viscosity range	20 - 80 mm ² / sec
- Permitted viscosity for starting	2000 mm ² / sec
- Fluid operating temperature range	-20 to 80 °C
- Fluid operating temperature range with FPM seals	-15 to 110°C
- Fluid operating temperature range with HNBR seals*	-30 to 110°C
- Hydraulic fluid	Mineral oil according to DIN 51524. Other hydraulic fluids on request.

*Available on request

DEFINITION OF PRESSURES



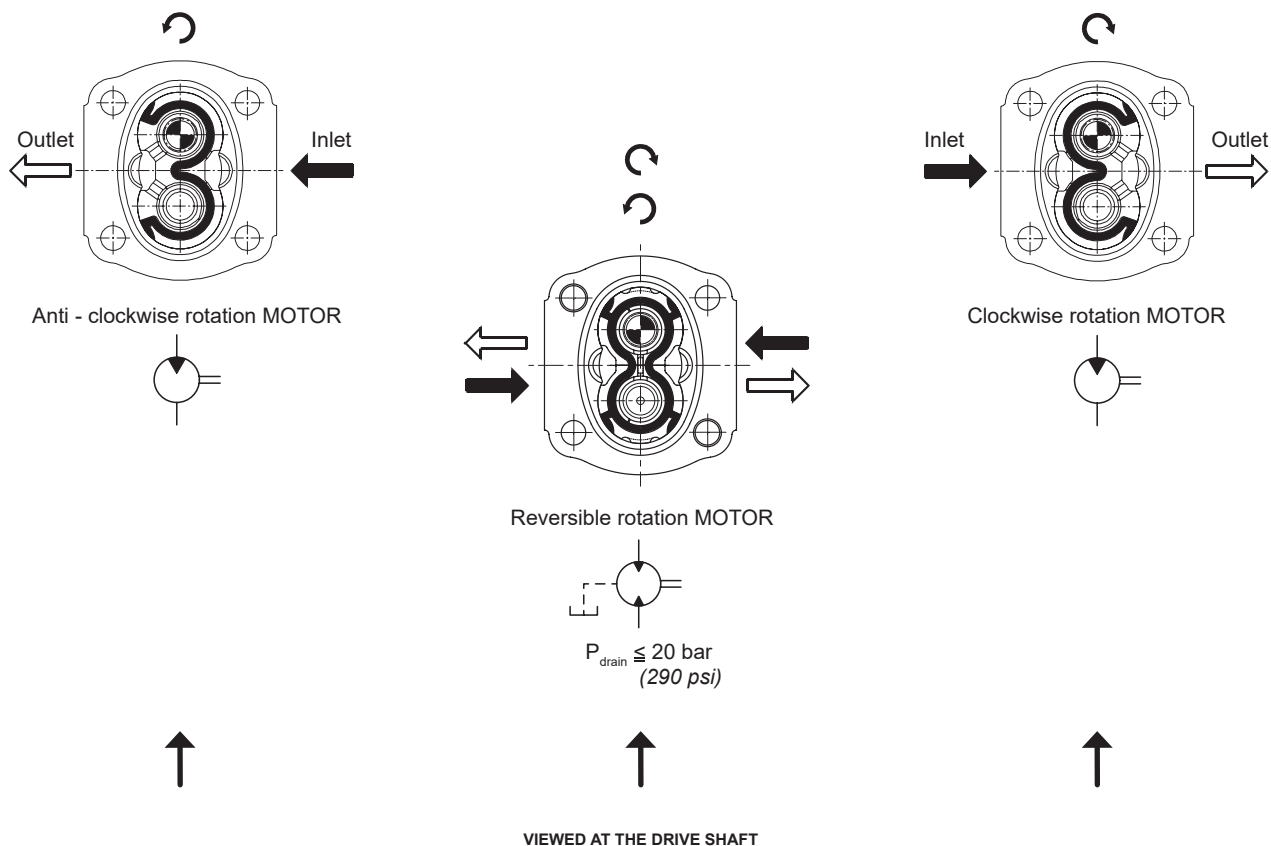
P_1 max. continuous pressure

P_2 starting pressure (depending on the application, this must be taken into consideration when setting the pressure of the hydraulic system's pressure-relief valve).

DRIVE SHAFTS

Radial and axial loads on the shafts must be avoided since they reduce the life of the unit.
In order to avoid misalignment during the assembly with the primary engine, a connection with “Oldham” coupling (or coupling having convex toothed hub) is recommended.

ROTATION



HYDRAULIC PIPE LINE

To calculate hydraulic pipe line size, the designer can use; as an approximate guide, the following fluid speed figures:

From 6 to 10 m/sec on pressure pipe line

From 19.7 to 32.8 ft/sec on pressure pipe line

The lowest fluid speed values in pipe lines is recommended when the operating temperature range is high and/or for continuous duty.

The highest value is recommended when the temperature difference is low and/or for intermittent duty.

In case of reversible motor allowance must be made to ensure the motor is not drained, through the case drain, when stationary.

FILTRATION INDEX RECOMMENDED

Working pressure	>200 bar/2900 psi	<200 bar/2900 psi
Contamination class NAS 1638	9	10
Contamination class ISO 4406	19/18/15	20/19/16
Achieved with filter $\beta_x=75$	15 μm	25 μm

COMMON FORMULAS FOR MOTORS

Based on SI units

Input flow: $Q = \frac{V \cdot n}{1000 \cdot \eta_v}$ l/min

Output torque: $M = \frac{V \cdot \Delta p \cdot \eta_m}{20 \cdot \pi}$ Nm

Output power: $P = \frac{M \cdot n}{9550} = \frac{Q \cdot \Delta p \cdot \eta_t}{600}$ kW

Variables: SI units [US units]

Based on US units

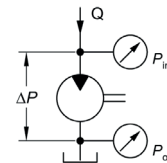
Input flow: $Q = \frac{V \cdot n}{231 \cdot \eta_v}$ [US gal/min]

Output torque: $M = \frac{V \cdot \Delta p \cdot \eta_m}{2 \cdot \pi}$ [lbf·in]

Output power: $P = \frac{M \cdot n}{63\,025} = \frac{Q \cdot \Delta p \cdot \eta_t}{1714}$ [hp]

LEGENDA

V = Displacement cm³/rev [in³/rev]
 P_{out} = Outlet pressure bar [psi]
 P_{in} = Inlet pressure bar [psi]
 ΔP = $P_{out} - P_{in}$ (system pressure) bar [psi]
 n = Speed min⁻¹ (rpm)
 η_v = Volumetric efficiency
 η_m = Mechanical efficiency
 η_t = Overall efficiency ($\eta_v \cdot \eta_m$)



IDENTIFICATION LABEL

Product short description

612014017

3/2022

Nr 1



Made in Italy

2ME11,3D-P28P1

001-WO- - - - -

Rot. →

Unit Rotation

Build Order Number
(for Salami management)

Salami Manufacturing
Part Number

Manufacturing Date,
Month and Year

Batch Serial Number

EO.100.0322.02.001M04



TECHNICAL DATA

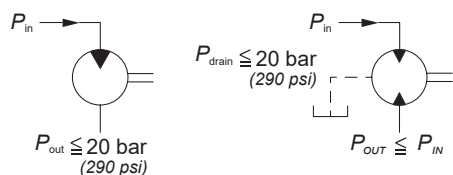
	Displacement		Max. continuous pressure P ¹		Max. starting pressure P ²		Max. speed at P ²	Min. speed at P ¹
GROUP 1.5 - E SERIES	cm ³ /rev	cu.in/rev	bar	psi	bar	psi	rpm	
1.5ME - 2.8	2.8	0.17	250	3625	270	3915	4500	700
1.5ME - 3.5	3.5	0.21	250	3625	270	3915	4500	700
1.5ME - 4.1	4.1	0.25	250	3625	270	3915	4000	700
1.5ME - 5.2	5.2	0.32	230	3335	250	3625	4000	700
1.5ME - 6.2	6.2	0.38	230	3335	250	3625	3600	600
1.5ME - 7.6	7.6	0.46	200	2900	220	3190	3300	600
1.5ME - 9.3	9.3	0.57	180	2610	200	2900	3000	600
1.5ME - 11	11	0.67	170	2465	190	2755	3000	600

GROUP 2 - E SERIES	cm ³ /rev	cu.in/rev	bar	psi	bar	psi	rpm	
2ME - 4.5	4.6	0.27	250	3625	280	4060	4000	600
2ME - 6.5	6.5	0.4	250	3625	280	4060	4000	600
2ME - 8.3	8.2	0.5	250	3625	280	4060	3600	500
2ME - 10.5*	10.6	0.65	250	3625	280	4060	3500	500
2ME - 11.3	11.5	0.68	250	3625	280	4060	3500	500
2ME - 12.5*	12.7	0.77	250	3625	280	4060	3400	500
2ME - 13.8	13.8	0.84	250	3625	280	4060	3400	500
2ME - 16	16.6	1.01	250	3625	280	4060	3200	450
2ME - 19	19.4	1.15	220	3190	240	3480	3200	450
2ME - 22.5	22.9	1.37	200	2900	220	3190	3000	450
2ME - 26	26.6	1.62	180	2610	200	2900	2850	450

*Available for quantity

GROUP 2.5 - B SERIES	cm ³ /rev	cu.in/rev	bar	psi	bar	psi	rpm	
2.5MB - 16	16	0.97	250	3625	280	4060	3000	600
2.5MB - 19	19.3	1.17	250	3625	280	4060	3000	600
2.5MB - 22	22.2	1.35	250	3625	280	4060	3000	500
2.5MB - 25	25.2	1.53	250	3625	280	4060	3000	500
2.5MB - 28	27.6	1.68	250	3625	280	4060	3000	500
2.5MB - 32	32.4	1.97	230	3330	250	3625	3000	500
2.5MB - 38	38.1	2.32	200	2900	220	3190	2750	400
2.5MB - 44	44.2	2.69	170	2465	190	2755	2500	400

GROUP 3 - E SERIES	cm ³ /rev	cu.in/rev	bar	psi	bar	psi	rpm	
3ME - 27	27	1.65	250	3625	280	4060	3000	600
3ME - 33	33.5	2.04	250	3625	280	4060	3000	600
3ME - 38	38.7	2.36	250	3625	280	4060	2750	500
3ME - 46	46.9	2.86	250	3625	270	3915	2750	500
3ME - 55	54.1	3.3	220	3190	240	3480	2500	400
3ME - 65	63.1	3.85	200	2900	220	3190	2500	400
3ME - 75	73.4	4.48	180	2610	200	2900	2500	400



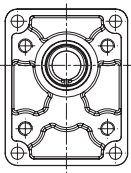
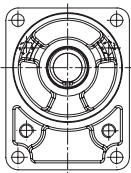
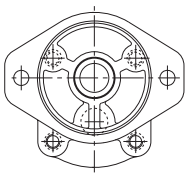
The Motors are equipped with SBHP High Pressure Shaft Seals (20bar), on request is available also for motor with outrigger bearing. Max drain pressure is influenced by rotational speed of the unit.

E0.100.0322.02.00IM04

INDEX

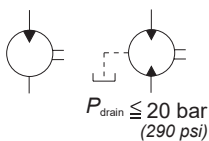
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SHAFTS AND FLANGES COMBINATION

2ME			
	CODE P1 European standard	CODE B1 German standard	CODE S2 SAE A-2 Bolts
 CODE 25 - Tapered 1:5		25B1	
 CODE 28 - Tapered 1:8	28P1		
 CODE 62 - DIN 5482 splined 9T	62P1	62B1	
 CODE 52 - SAE A splined 9T			52S2
 CODE 54 - SAE A splined 11T			54S2
 CODE 85 - SAE A parallel shaft Ø19.05			85S2
 CODE 82 - SAE A parallel shaft Ø15.87	82P1		82S2

Note: other versions available,
see shafts and flanges
information.

Displacements up to 1.62 cu.in./rev
Pressure up to 4060 psi



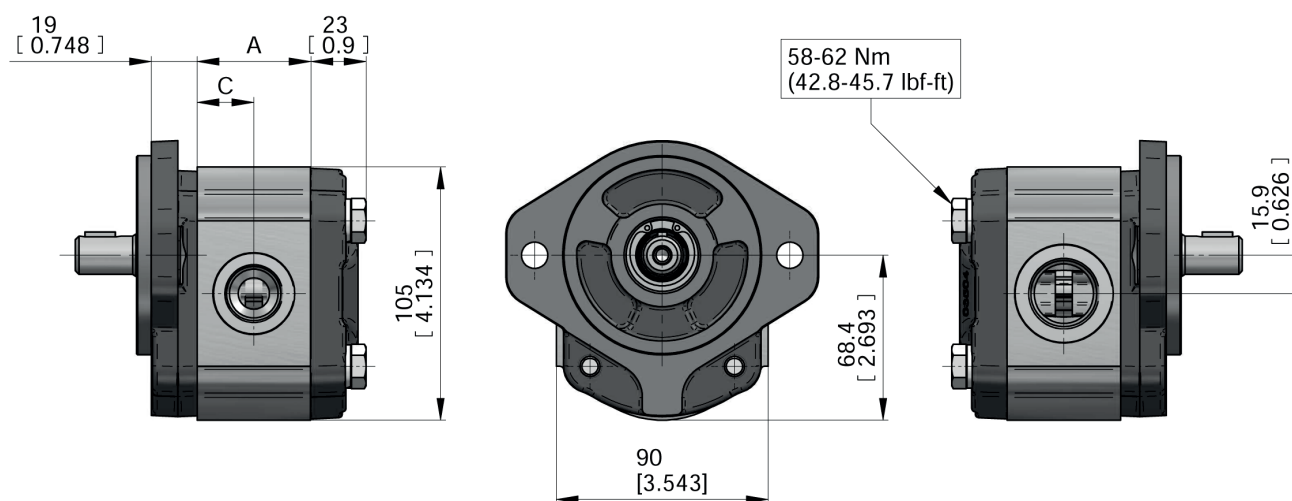
GEAR MOTORS

Displacements up to 26.6 cm³/rev
Pressure up to 280 bar

ASSEMBLING DIMENSIONS AND WORKING CONDITIONS

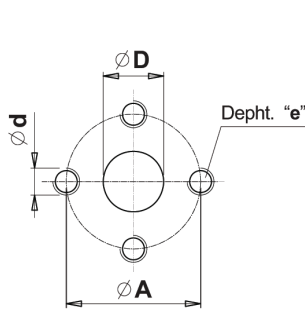
Type			4.5	6.5	8.3	10.5*	11.3	12.5*	13.8	16	19	22.5	26
Displacement	cm³/rev		4.6	6.5	8.2	10.6	11.5	12.7	13.8	16.6	19.4	22.9	26.6
	cu.in./rev		0.27	0.40	0.50	0.65	0.68	0.77	0.84	1.01	1.15	1.37	1.62
Dimension A	mm		47.1	49.95	52.8	56.3	59.7		63.5	67.5	75.6	81	86.8
	in		1.83	1.97	2.07	2.22	2.35		2.5	2.65	2.97	3.19	3.42
Dimension C	mm		23.55	25	26.4	28.15	29.75		31.75	33.75	37.80	40.5	43.4
	in		0.93	0.98	1.04	1.11	1.17		1.25	1.33	1.49	1.59	1.71
Max continuous pressure	P ¹	bar	250	250	250	250	250	250	250	250	220	200	180
		psi	3625	3625	3625	3625	3625	3625	3625	3625	3190	2900	2610
Max starting pressure	P ²	bar	280	280	280	280	280	280	280	280	240	220	200
		psi	4060	4060	4060	4060	4060	4060	4060	4060	3480	3190	2900
Max speed	rpm		4000	4000	3600	3500	3500	3400	3400	3200	3200	3000	2850
Min speed	rpm		600	600	500	500	500	500	500	450	450	450	450
Weight	kg		3.10	3.50	3.60	3.70	3.75	3.78	3.86	4.00	4.18	4.29	4.54
	lbs		6.83	7.72	7.94	8.16	8.27	8.33	8.51	8.82	9.22	9.46	10.1

*Available for quantity



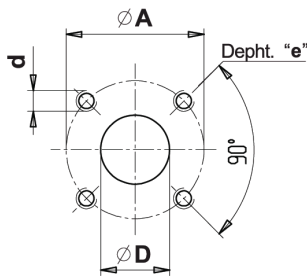
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FLANGED AND THREADED PORTS



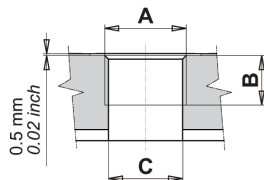
code P

Flanged ports
european standard



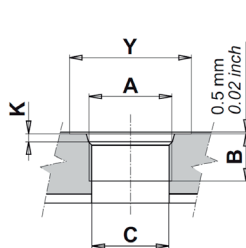
code B

Flanged ports
german standard



code G

Threaded ports
GAS (BSPP)



code R

Threaded ports
SAE (ODT)

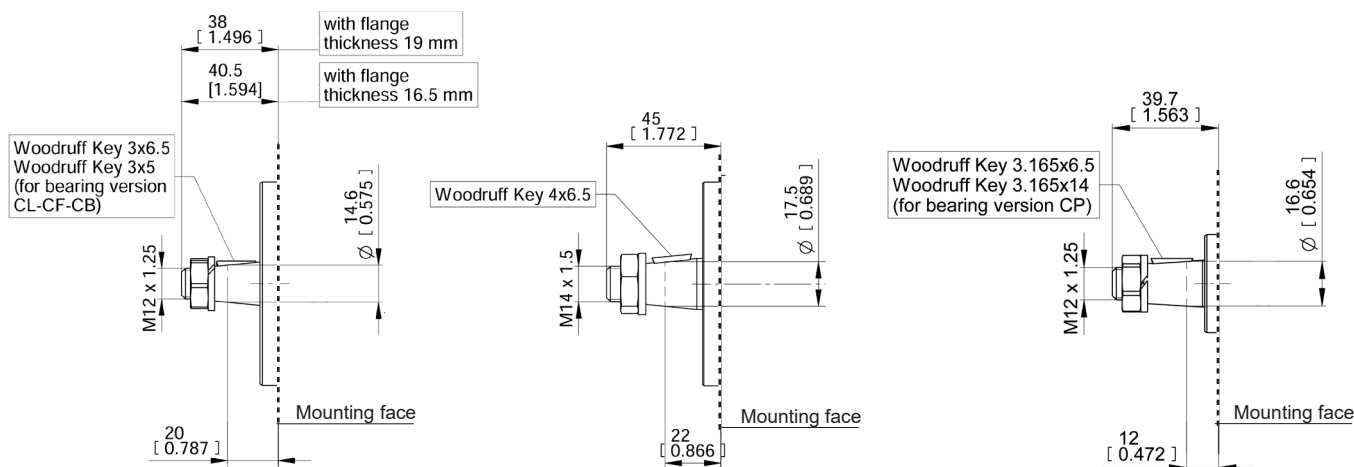
UNI-DIRECTIONAL MOTORS	TYPE	OUTLET				INLET			
		Ø D	Ø A	d	e	Ø D	Ø A	d	e
	From 4.5 to 8.3	13 (0.51")	30 (1.18")	M6	13 (0.51")	13 (0.51")	30 (1.18")	M6	13 (0.51")
	From 11.3 to 22.5	20 (0.78")	40 (1.56")	M8					
	26	25 (0.97")							
BI-DIRECTIONAL MOTORS	TYPE	Ø D	Ø A	d	e	Ø D	Ø A	d	e
		Ø D	Ø A	d	e	Ø D	Ø A	d	e
	From 4.5 to 16	13 (0.51")	30 (1.18")	M6	13 (0.51")	13 (0.51")	30 (1.18")	M6	13 (0.51")
	From 19 to 26	20 (0.78")	40 (1.56")	M8		20 (0.78")	40 (1.56")	M8	

UNI-DIRECTIONAL MOTORS	TYPE	OUTLET				INLET			
		Ø D	Ø A	d	e	Ø D	Ø A	d	e
	From 4.5 to 22.5	20 (0.78")	40 (1.56")	M6	13 (0.51")	15 (0.59")	35 (1.38")	M6	13 (0.51")
	26	22 (0.87")							
BI-DIRECTIONAL MOTORS	TYPE	Ø D	Ø A	d	e	Ø D	Ø A	d	e
		Ø D	Ø A	d	e	Ø D	Ø A	d	e
	From 4.5 to 16	15 (0.59")	35 (1.38")	M6	13 (0.51")	15 (0.59")	35 (1.38")	M6	13 (0.51")
	From 19 to 26	20 (0.78")	40 (1.56")			20 (0.78")	40 (1.56")		

UNI-DIRECTIONAL MOTORS	TYPE	OUTLET			INLET		
		A	B	C	A	B	C
	From 4.5 to 26	G3/4	16 (0.62")	20 (0.78")	G1/2	14 (0.54")	13 (0.51")
BI-DIRECTIONAL MOTORS	TYPE	A	B	C	A	B	C
		A	B	C	A	B	C
	From 4.5 to 16	G1/2	14 (0.54")	13 (0.51")	G1/2	14 (0.54")	13 (0.51")
	From 19 to 26	G3/4	16 (0.62")	20 (0.78")	G3/4	16 (0.62")	20 (0.78")

UNI-DIRECTIONAL MOTORS	TYPE	OUTLET					INLET				
		A	B	C	Y	K	A	B	C	Y	K
	From 4.5 to 26	1-1/16-12 UN (SAE 12)	16 (0.62")	20 (0.78")	41 (1.61")	3.3 (0.12")	7/8 - 14 UNF (SAE10)	14 (0.54")	13 (0.51")	34 (1.32")	2.5 (0.10")
BI-DIRECTIONAL MOTORS	TYPE	A	B	C	Y	K	A	B	C	Y	K
		A	B	C	Y	K	A	B	C	Y	K
	From 4.5 to 16	7/8 - 14 UNF (SAE10)	14 (0.54")	13 (0.51")	34 (1.32")	2.5 (0.10")	7/8 - 14 UNF (SAE10)	14 (0.54")	13 (0.51")	34 (1.32")	2.5 (0.10")
	From 19 to 26	1-1/16-12 UN (SAE 12)	16 (0.62")	20 (0.78")	41 (1.61")	3.3 (0.12")	1-1/16-12 UN (SAE 12)	16 (0.62")	20 (0.78")	41 (1.61")	3.3 (0.12")

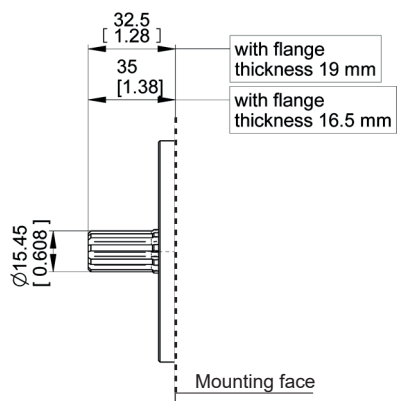
DRIVE SHAFTS



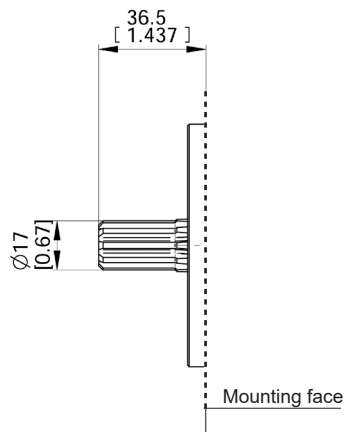
code 25 Max torque 130 Nm (1151 lbf in)
Tapered 1:5

code 26 Max torque 100 Nm (885 lbf in)
Tapered 1:5 (only for CB)

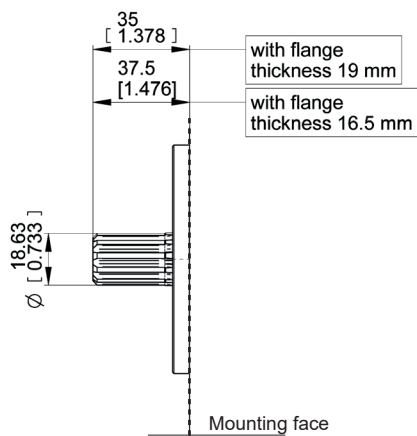
code 28 Max torque 130 Nm (1151 lbf in)
Tapered 1:8



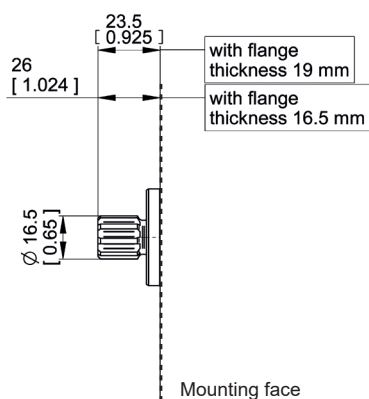
code 52 Max torque 100 Nm (885 lbf in)
SAE A 9T-16/32DP Ansi B92 1a 1976



code 53 Max torque 125 Nm (1106 lbf in)
SAE 10T-16/32DP Ansi B92 1a 1976

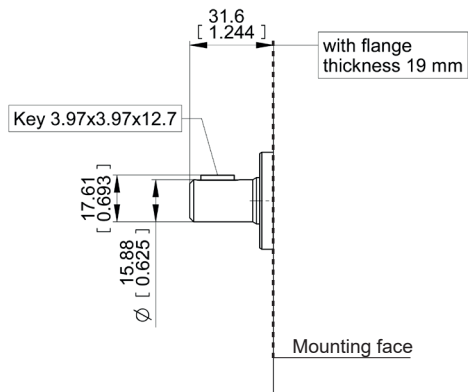


code 54 Max torque 150 Nm (1327 lbf in)
SAE A 11T-16/32DP Ansi B92 1a 1976

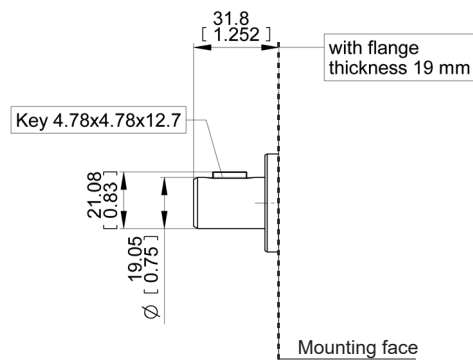


code 62 Max torque 120 Nm (1062 lbf in)
9 teeth DIN 5482 splined

DRIVE SHAFTS



code 82 Max torque 70 Nm (620 lbf in)
5/8" SAE A parallel

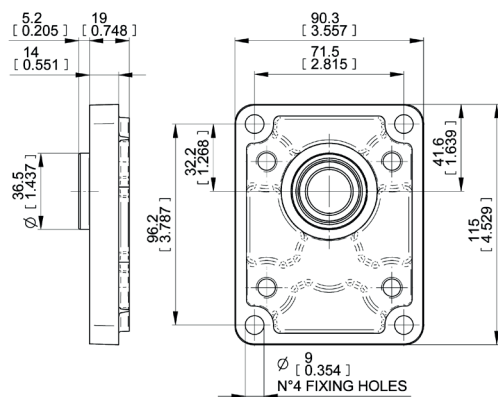


code 85 Max torque 130 Nm (1151 lbf in)
3/4" SAE A parallel

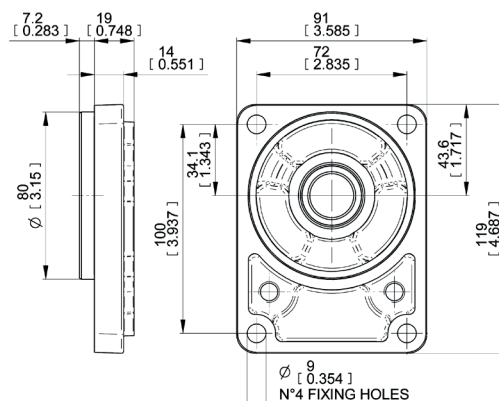
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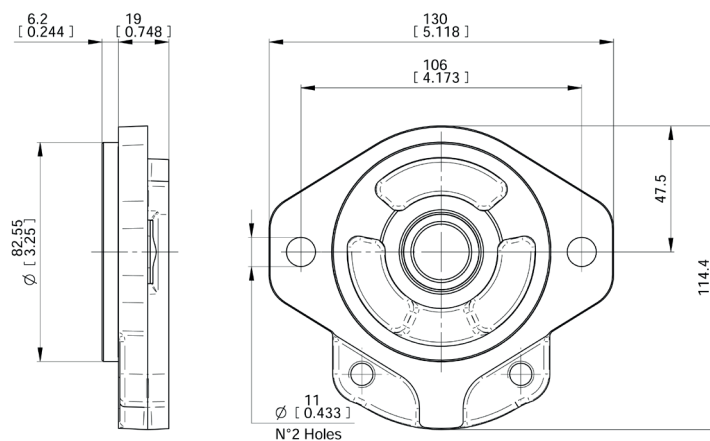
MOUNTING FLANGES

**P1****European standard**

With shaft code 28-62-82

**B1****German standard**

With shaft code 25-62

**S2****SAE A 2 bolts**

With shaft code 52-53-54-82-85

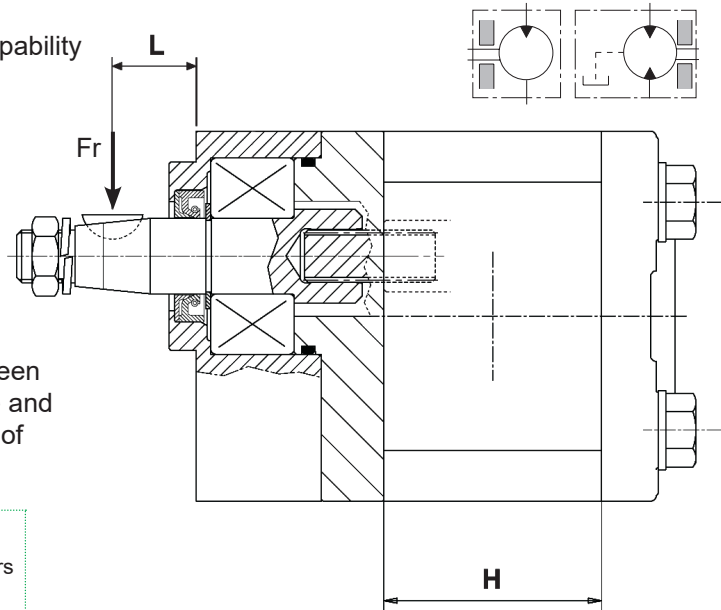
OUTRIGGER BEARING

The following diagrams show radial load capability of the bearing.

Calculation according to ISO 281 at 10 cSt.

TYPE	H
4.5	47.1 (1.83")
6.5	49.95 (1.97")
8.3	52.8 (2.08")
10.5	56.3 (2.22")
11.3-12.5	59.7 (2.35")
13.8	63.5 (2.5")
16	67.5 (2.66")
19	75.6 (2.97")
22.5	81 (3.19")
26	86.6 (3.42")

L=Distance between mounting flange and radial force point of application.



Example:

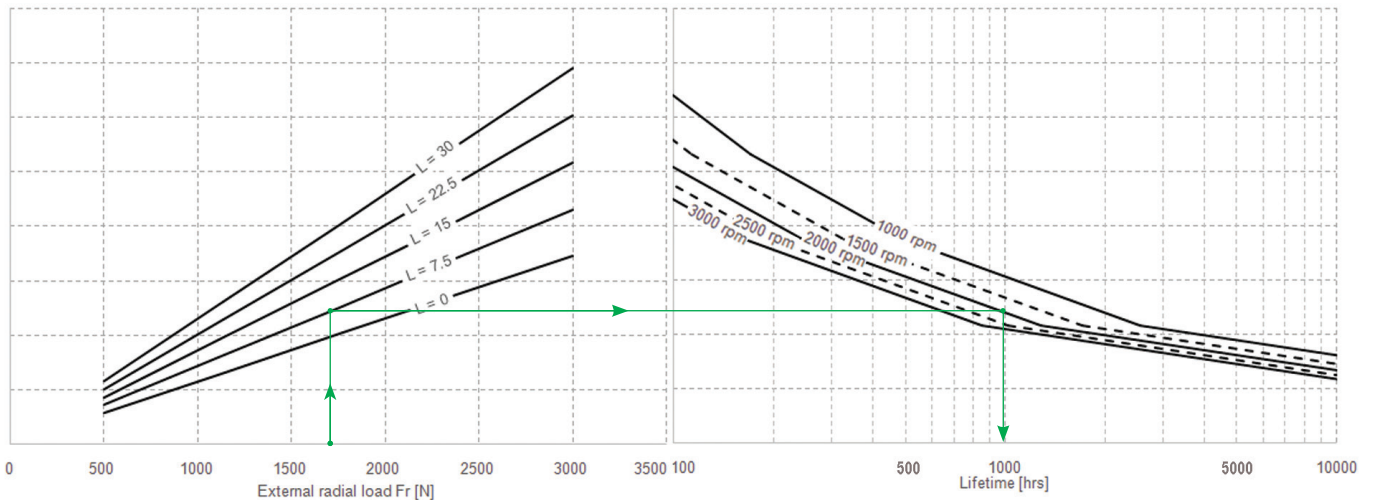
$F_r = 1700 \text{ N}$

$L = 7.5$

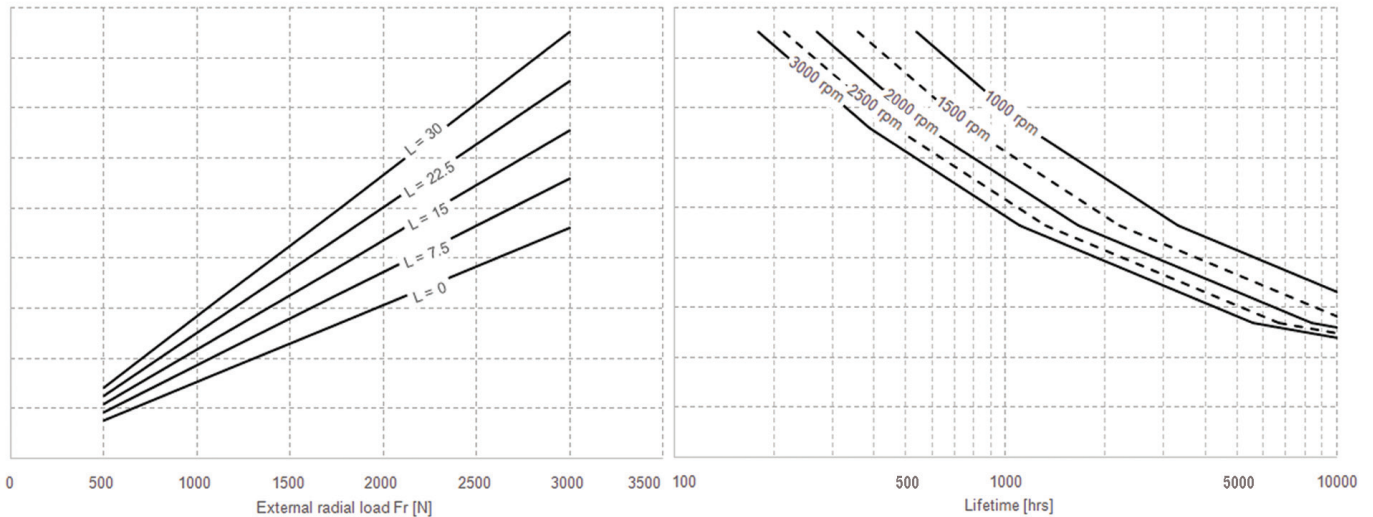
Speed = 2000 rpm

→ Expected life: 1000 hrs

For Code CP-CB-CL-CS

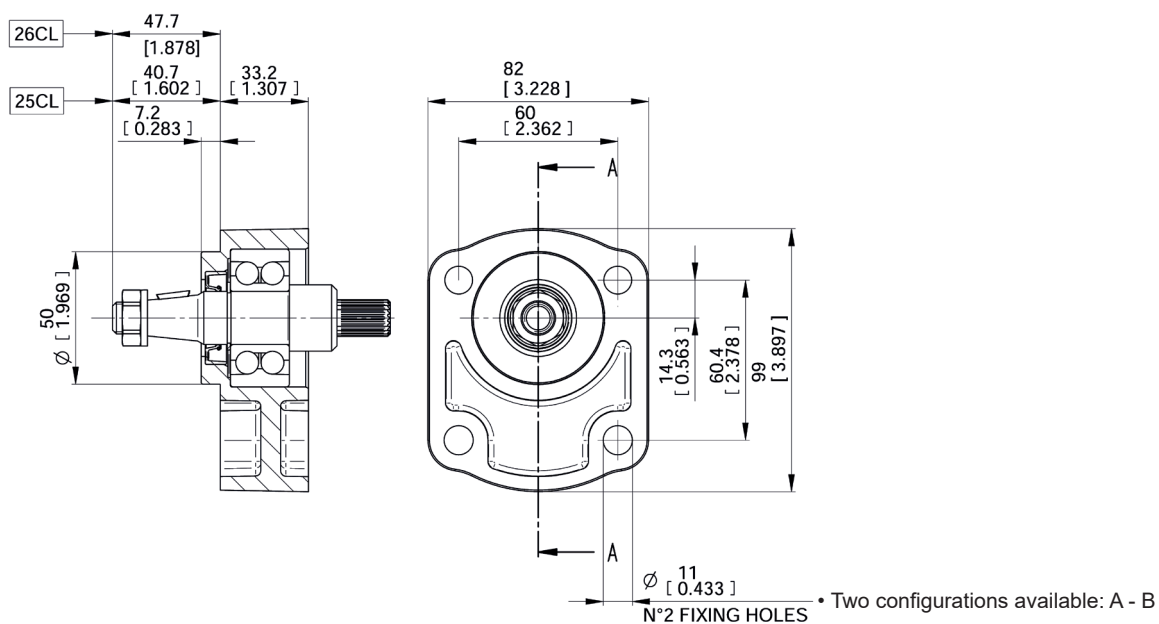


For Code CF



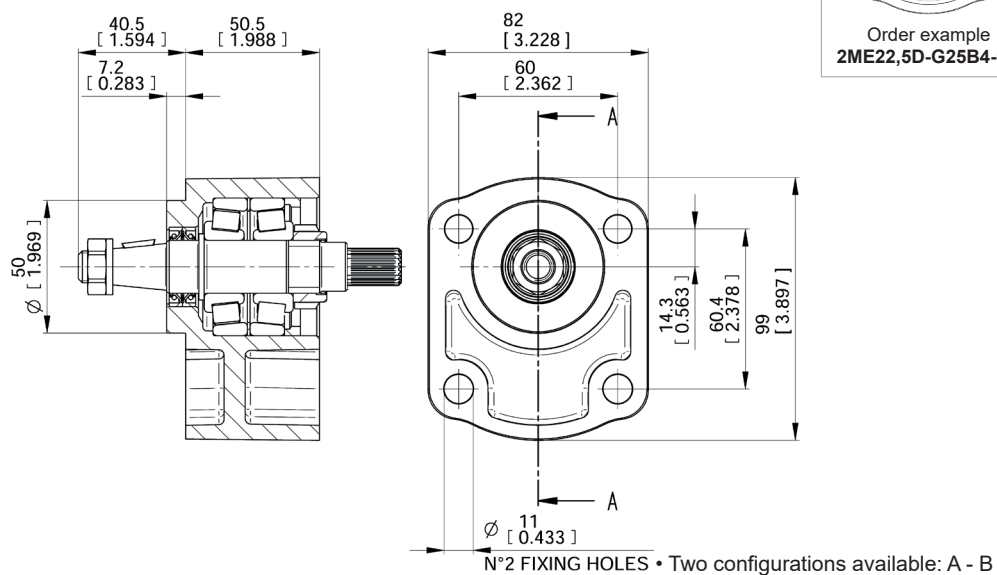
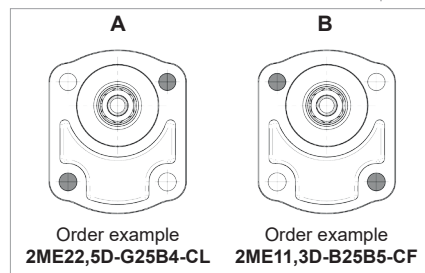
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ALUMINIUM MOUNTING FLANGES WITH BEARING



Mounting with shaft code 25

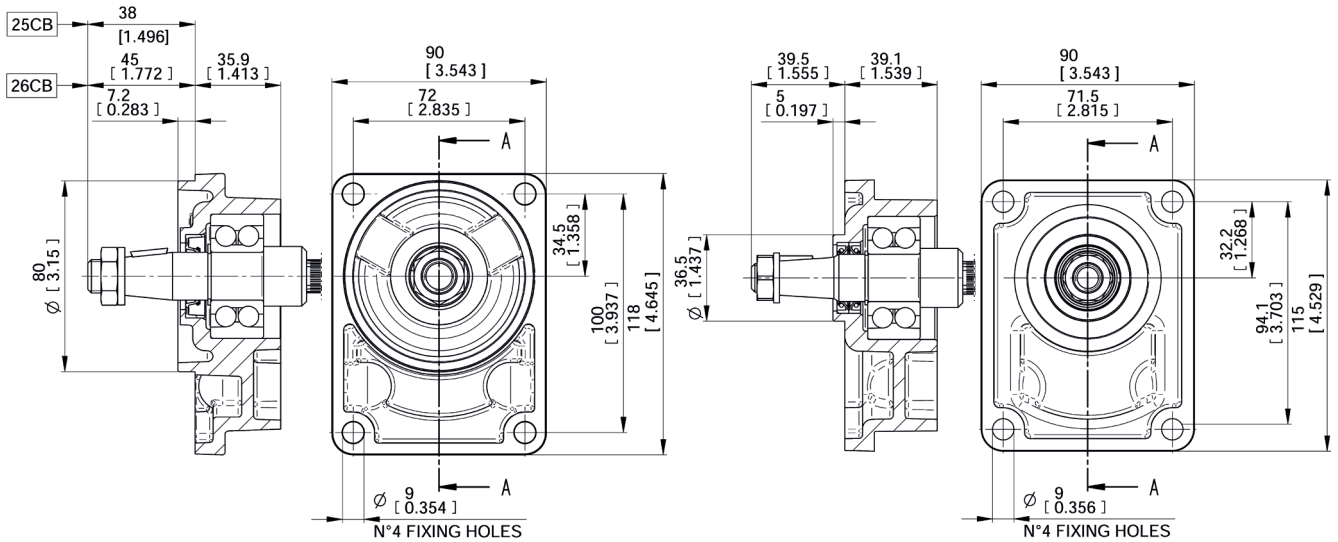
CL	For engine endothermic motors
With shaft code 25, 26 (see page 156)	



CF	For endothermic engines
With shaft code 25 (see page 156)	

E0.120.0322.02.00IM05

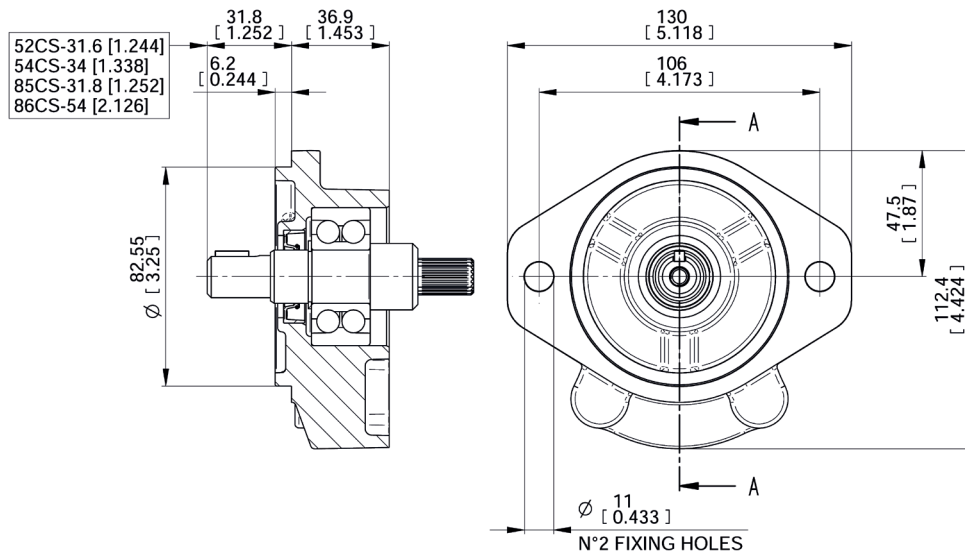
**ALUMINIUM MOUNTING FLANGES
WITH BEARING**



Mounting with shaft code 26

CB	German standard
With shaft code 25-26 (see page 156)	

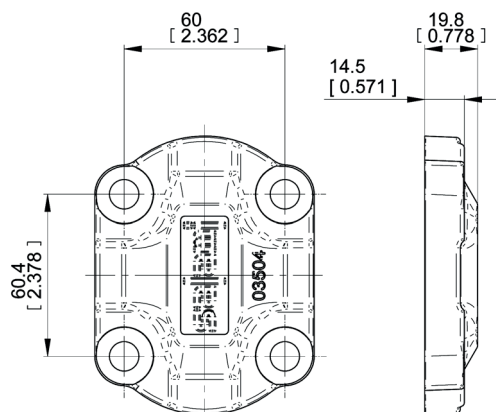
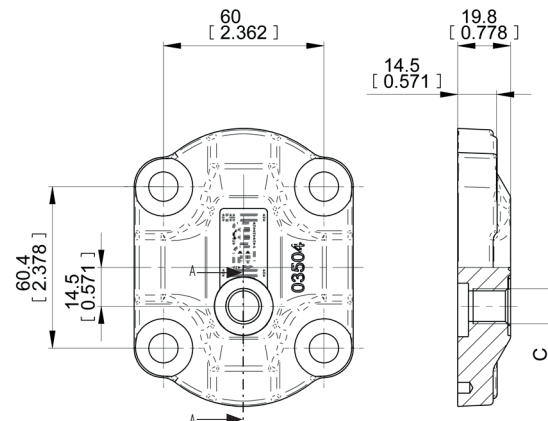
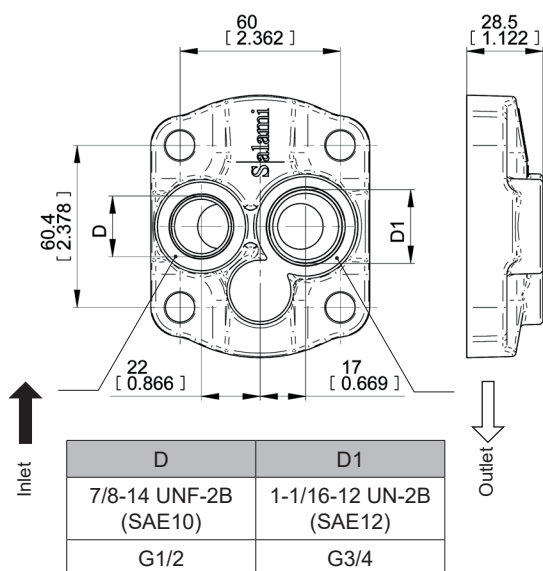
CP	European standard
With shaft code 28 (see page 156)	



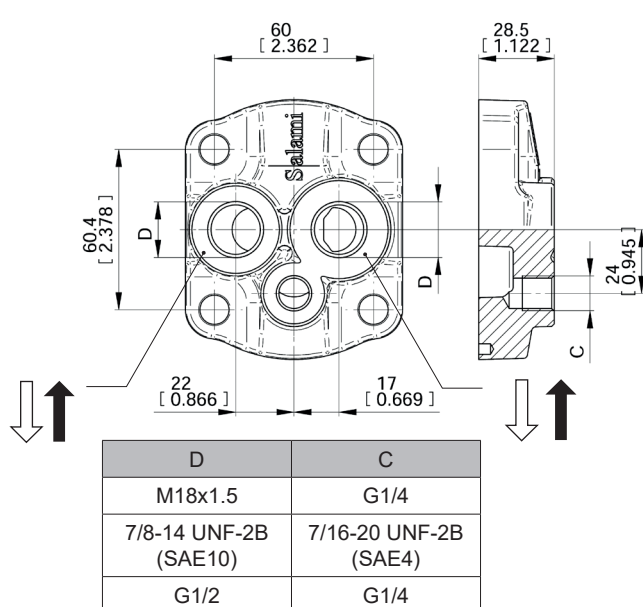
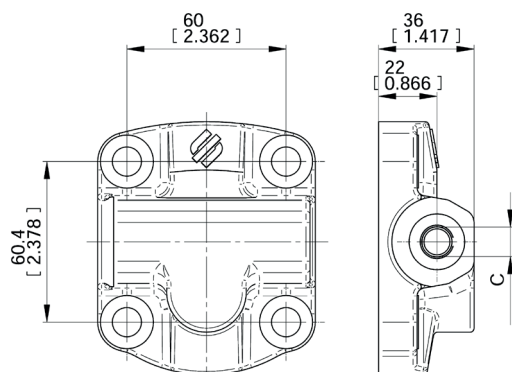
Mounting with shaft code 82

CS	SAE A
With shaft code 52-54-82-85 (see page 156)	

REAR COVERS

STANDARD REAR COVER
FOR UNIDIRECTIONAL MOTORSSTANDARD REAR COVER WITH
EXTERNAL DRAIN PORT (C) FOR
BIDIRECTIONAL MOTORSREAR COVER WITH PORTS
FOR UNIDIRECTIONAL MOTORS

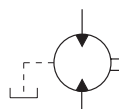
1

REAR COVER WITH PORTS
AND EXTERNAL DRAIN PORT (C)
FOR BIDIRECTIONAL MOTORS

LD

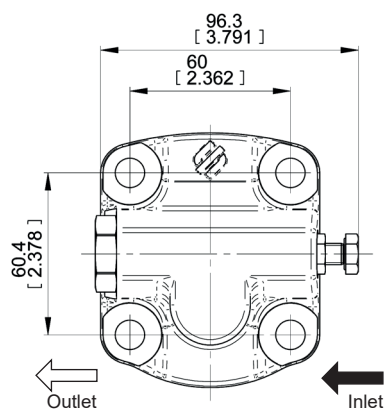
REAR COVER WITH SIDE DRAIN PORT (C)

C
G1/4
7/16-20 UNF-2B (SAE4)



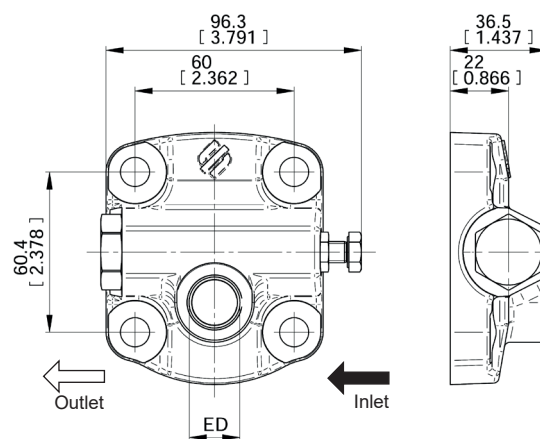
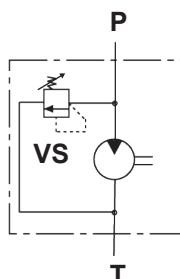
E0.120.0322.02.00IM05

REAR COVERS WITH VALVE



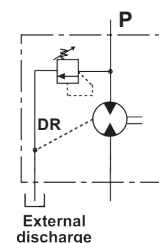
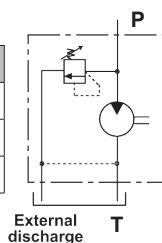
MAIN RELIEF VALVE
setting range

30-60 bar
61-120 bar
121-170 bar
171-250 bar



ED (external discharge)

M18x1.5 (METRIC)
3/4-16 UNF-2B (SAE 8)
G3/8 (BSPP)

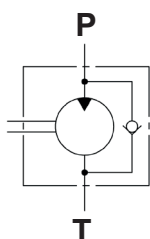
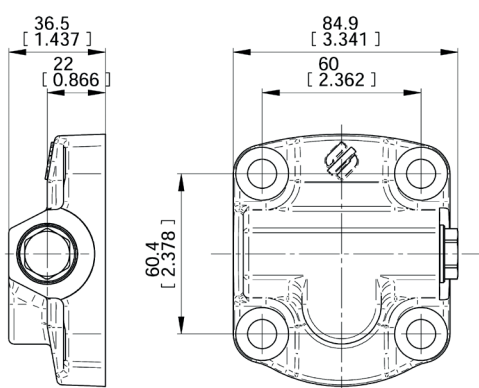


VS

INTERNAL DISCHARGE
FOR UNIDIRECTIONAL MOTORS

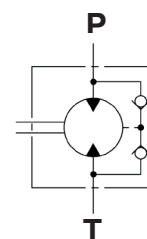
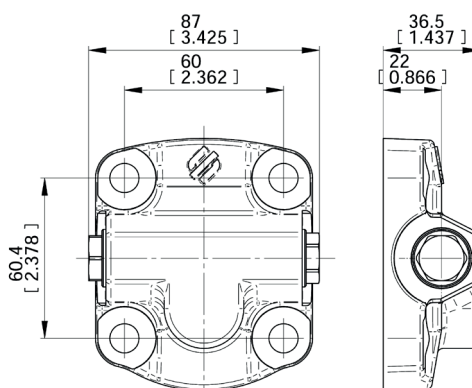
VSE

EXTERNAL DISCHARGE
FOR UNIDIRECTIONAL AND
BIDIRECTIONAL MOTORS



VR

ANTI-CAVITATION VALVE
FOR UNIDIRECTIONAL MOTORS



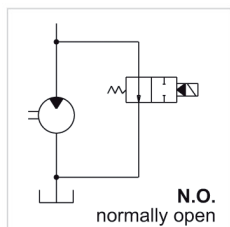
IDV

REAR COVER WITH INTERNAL DRAIN

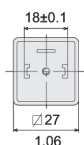
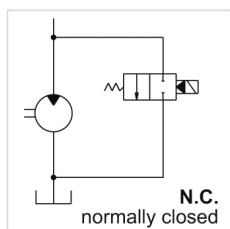


SOLENOID UNLOADING VALVE

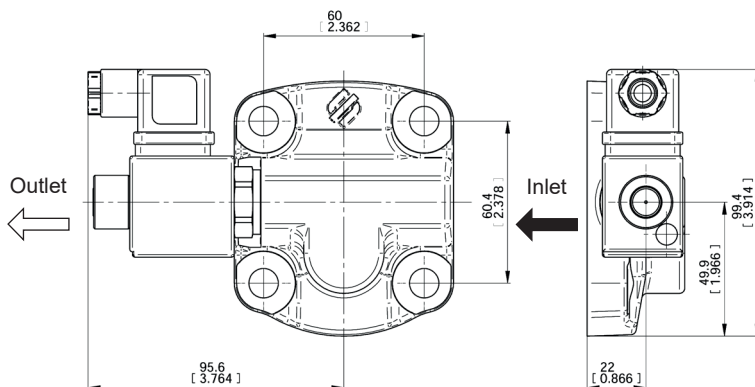
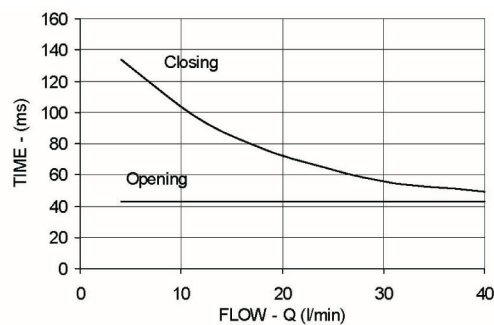
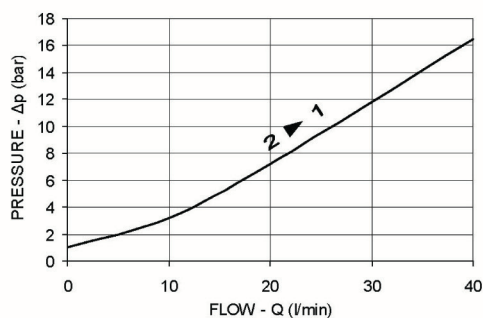
EV1 - 12 Vcc
EV2 - 24 Vcc



EV3 - 12 Vcc
EV4 - 24 Vcc



CONNECTOR
DIN 43650
A/ISO 4400

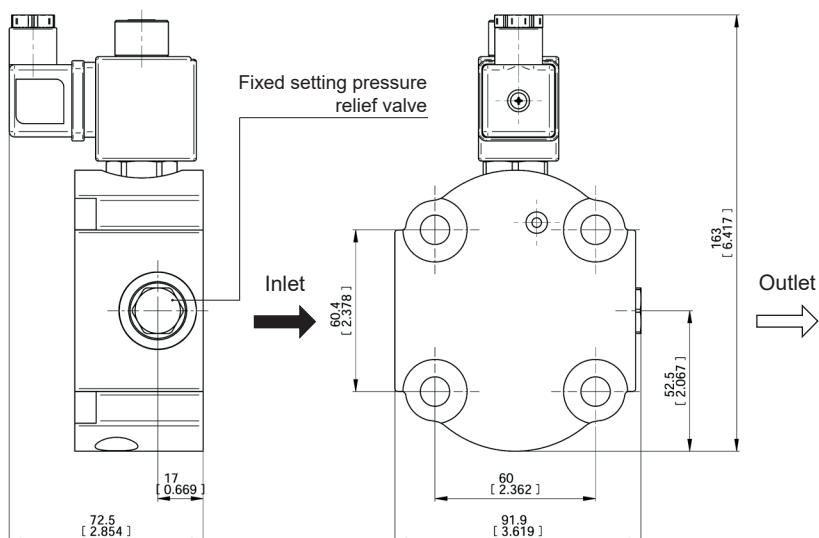
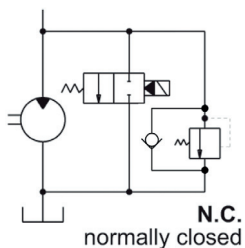
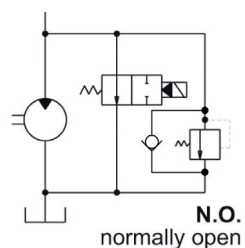


COIL SPECIFICATIONS - EV/EVS

- Coil resistance: 12 Vdc - 24 Vdc
- Coil power: 18W
- Connector: DIN 43650
- Protection index with connector: IP 65
- ED 100%

EV

UNLOADING 2W-2P SOLENOID VALVE



Pressure Relief Valve
setting range
25-210 bar

EVS

UNLOADING 2W-2P SOLENOID VALVE AND RELIEF

E0.120.0322.02.00IM05

FAN DRIVE

code EPV

2W-2P SOLENOID VALVE AND RELIEF

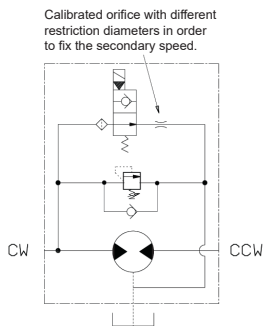
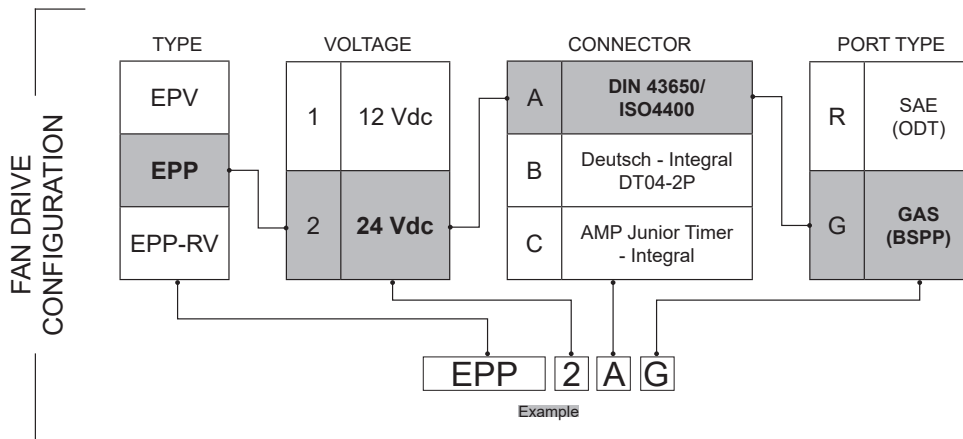
On-off relief valve to fix a first step of speed (thanks to a calibrated orifice) when the electric venting valve is normally opened;
overload and anti-cavitation valve to protect the motor from peak of pressure and from reverse rotation caused by inertia;
calibrated orifice that allows different cases to be evaluated in order to achieve the customer's need.

code EPP

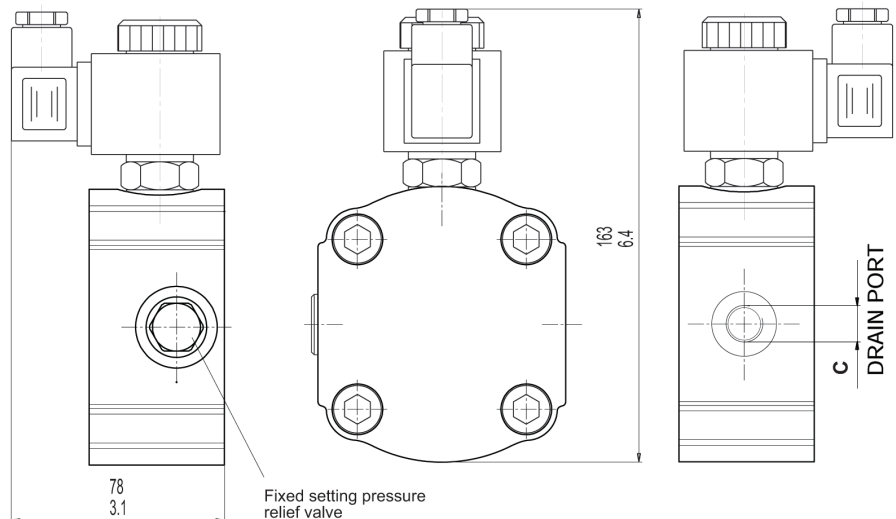
code EPP-RV

2W-2P PROPORTIONAL SOLENOID VALVE AND RELIEF

Proportional relief valve for a precise temperature regulation;
directional 4/2 electric valve and proportional relief valve for an efficient radiator cleaning;
reduced weight thanks to a Finite Elements structural optimization;
protection against pressure and torque shocks;
maximum speed in case of electric power failure.



SPECIFICATIONS - EPV	
- Coil resistance:	12 Vdc
- Coil resistance:	12 Vdc→7,2Ω
- Coil power:	20W
- Type of control:	On/Off
- Connector:	DIN 43650
- Protection index with connector:	IP 65
- Nominal flow rate:	30 l/min (8 gpm)
- Maximum operating pressure	210 bar



i AVAILABLE ONLY CODE: EPV2AG
(2.5 l/min)

C
G1/4
7/16-20 UNF-2B (SAE4)

EPV 2W-2P SOLENOID VALVE AND RELIEF

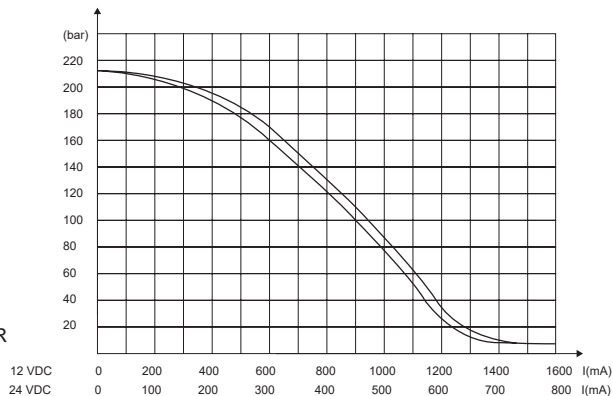
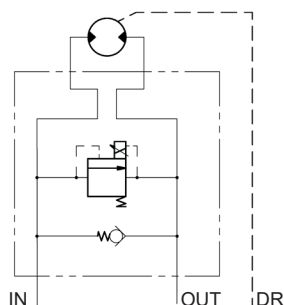


FAN DRIVE

Proportional valve

Pressure vs Current (@10 l/min)

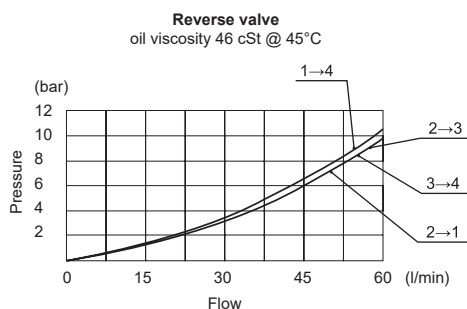
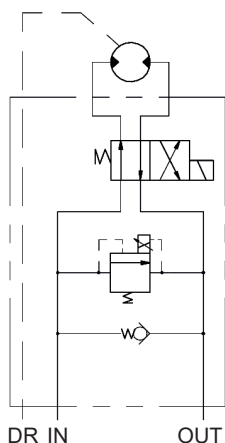
PWM freq. 200 Hz - Oil Temperature= 50 °C - Oil viscosity= 46 cSt



EPP

2W-2P PROPORTIONAL SOLENOID VALVE AND RELIEF

Features

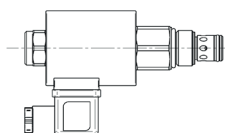
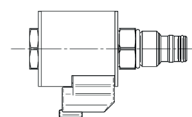
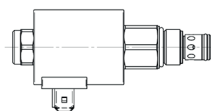


EPP-RV

2W-2P PROPORTIONAL SOLENOID VALVE, RELIEF AND REVERSE VALVE

Features

CONNECTORS

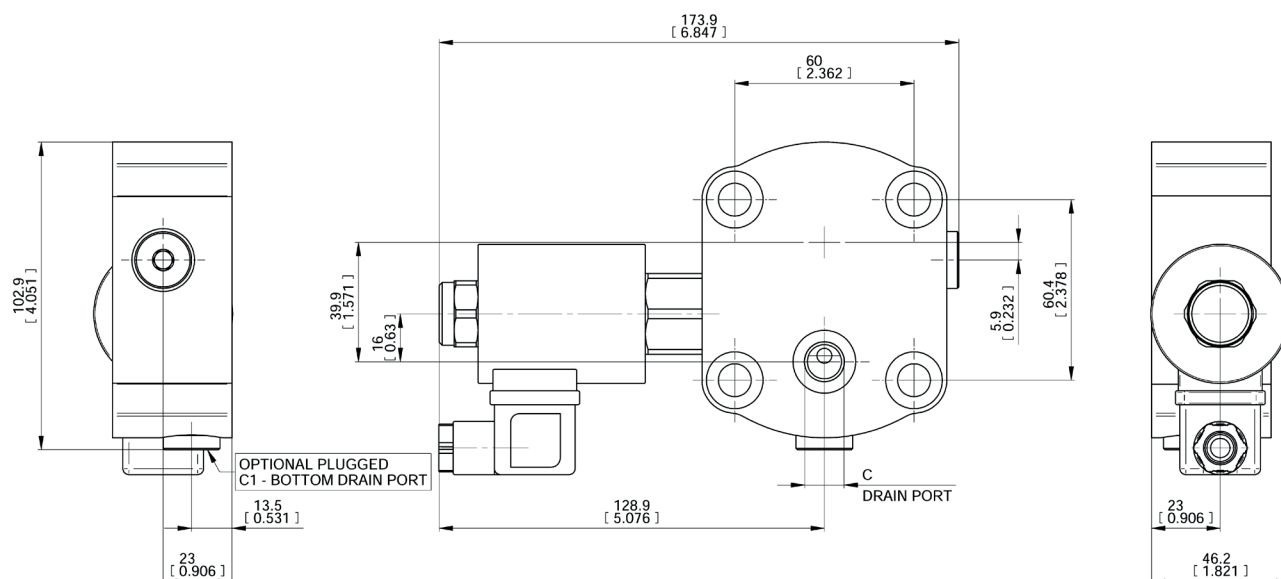
DIN 43650
A/ISO 4400DEUTSCH
INTEGRAL DT04-2PAMP JUNIOR
TIMER INTEGRAL

SPECIFICATIONS - EPP/EPP-RV

- Coil resistance: 12 Vdc - 24 Vdc
- Coil resistance (@20 °C): 12 Vdc→5,33Ω - 24 Vdc→21,33Ω
- Coil power: 27W
- Type of control: PWM (Frequency 150÷200 Hz)
- Connector: DIN 43650 - Deutsch DT04-2P - AMP Junior Timer
- Protection index with connector: IP 65
- Nominal flow rate: 60 l/min (16 gpm)
- Maximum inlet pressure: 250 bar (3600 psi)
- Maximum relief pressure @10 l/min: 210 bar 0/+10 bar (3045 psi)
- Maximum control current: 1600 mA for 12 VDC Coil/800 mA for 24 VDC Coil
- Oil viscosity range: 36 SSU ÷ 3000 SSU (3 ÷ 647 cSt)
- Fluid filtration: 18/16/13 (ISO 4406)

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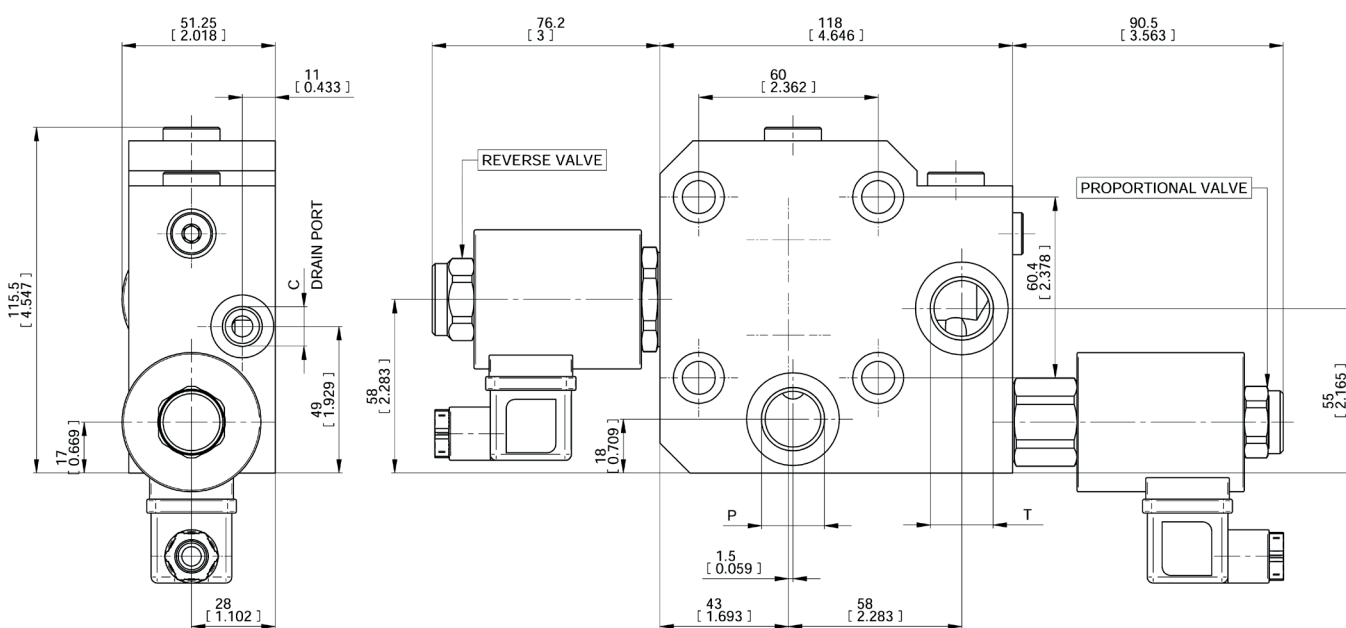
FAN DRIVE



EPP

2W-2P PROPORTIONAL SOLENOID VALVE AND RELIEF

Dimensions



EPP-RV

2W-2P PROPORTIONAL SOLENOID VALVE, RELIEF AND REVERSE VALVE

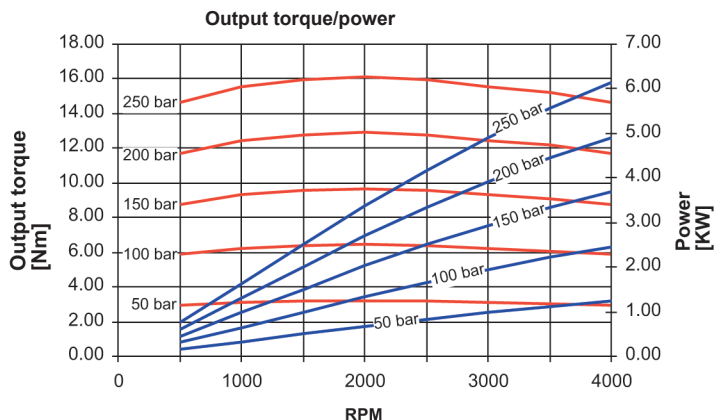
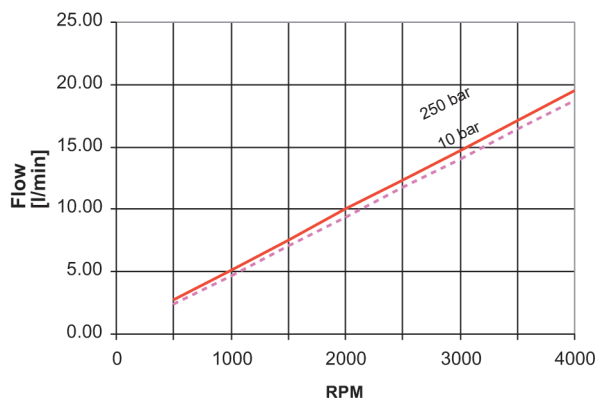
Dimensions

P	T	C
7/8-14 UNF-2B (SAE10)	7/8-14 UNF-2B (SAE10)	G1/4
G1/2	G1/2	7/16-20 UNF-2B (SAE4)

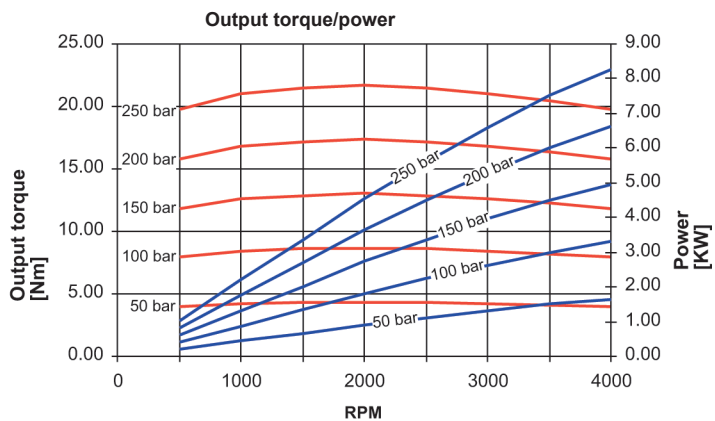
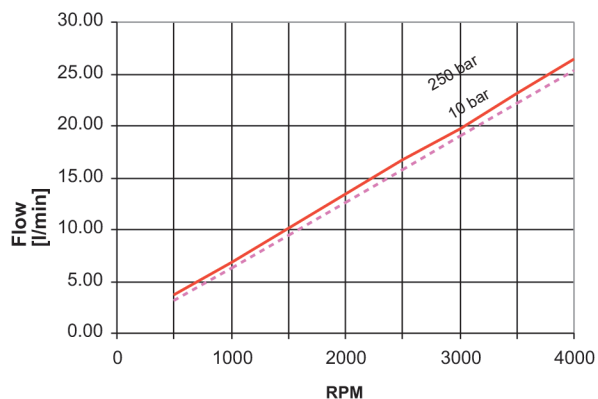
EO.120.0322.02.001M05

PERFORMANCE CURVES

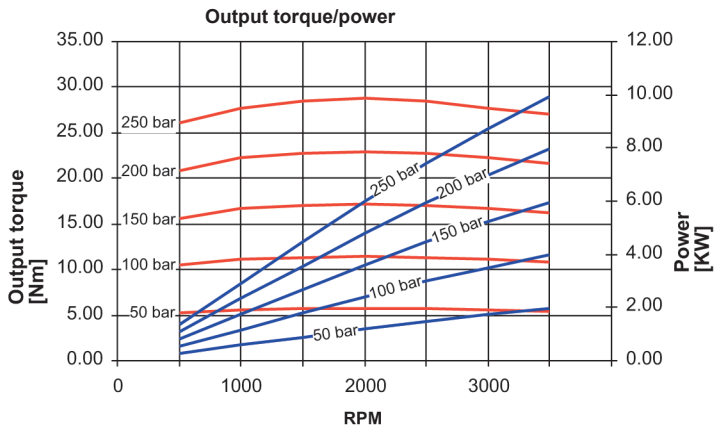
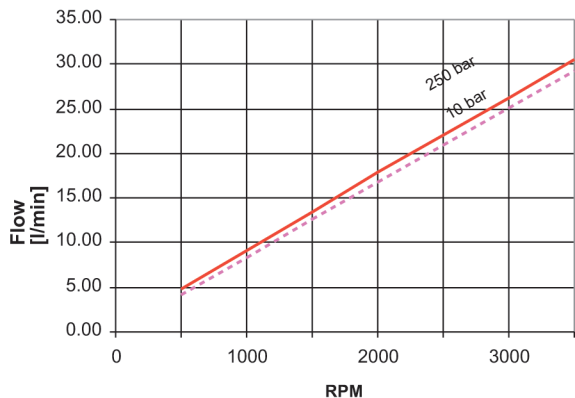
Performance curves carried out with oil viscosity at 21 cSt and oil temperature at 50°C



2ME - 4.5



2ME - 6.5

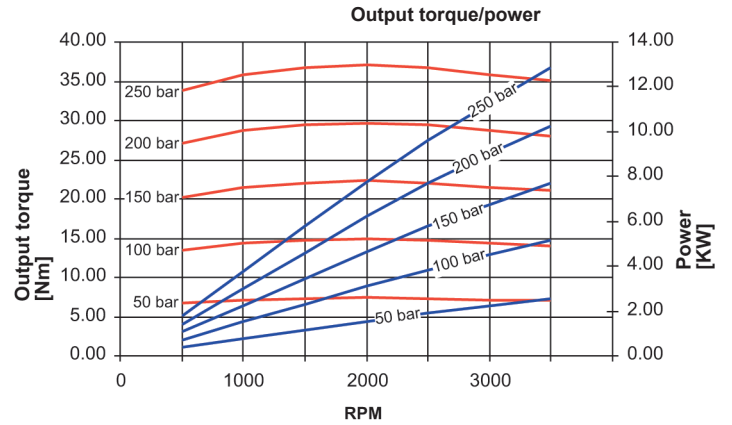
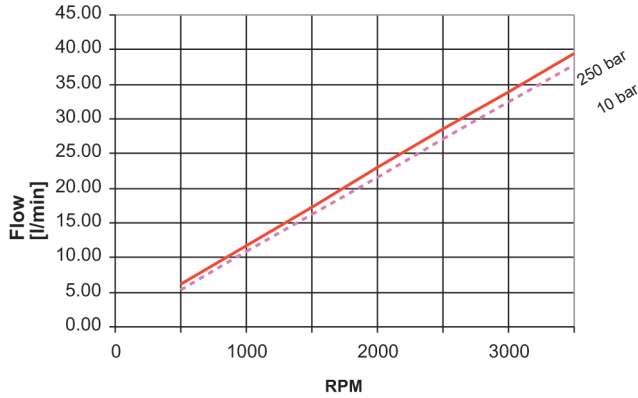


2ME - 8.3

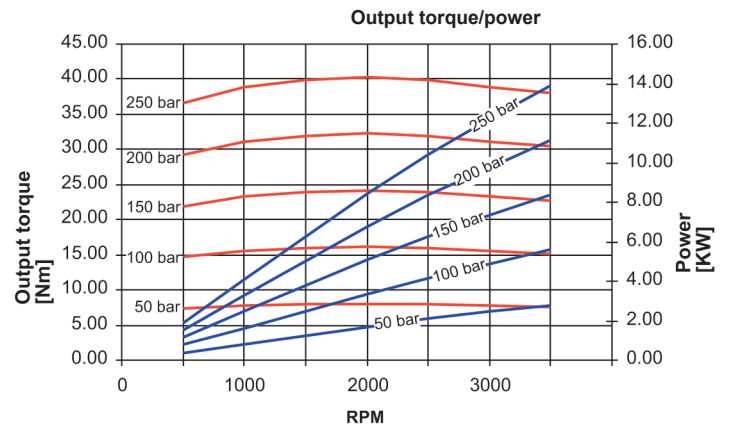
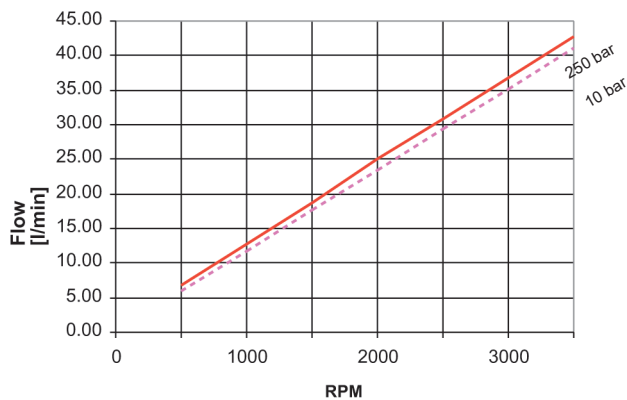
E0.120.0322.02.00IM05

PERFORMANCE CURVES

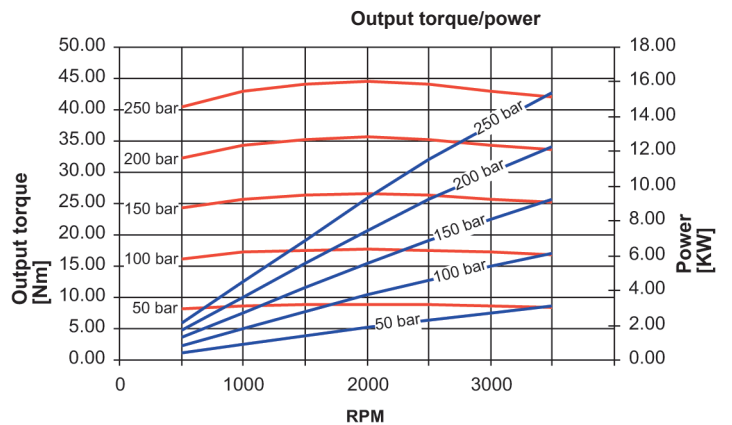
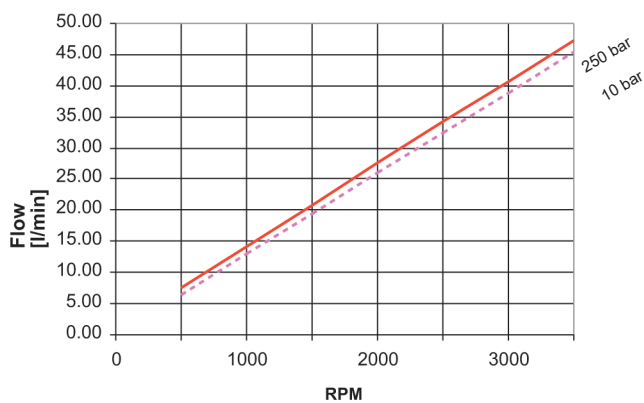
Performance curves carried out with oil viscosity at 21 cSt and oil temperature at 50°C



2ME - 10.5



2ME - 11.3

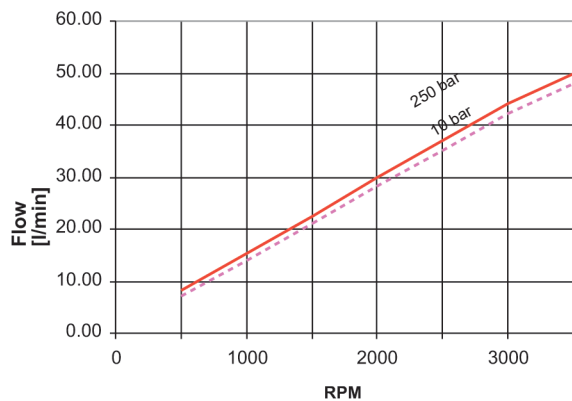


2ME - 12.5

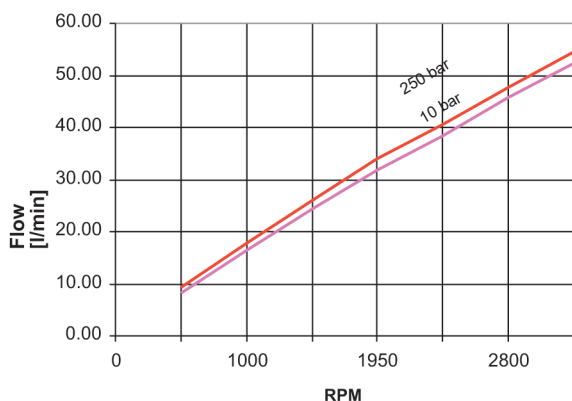
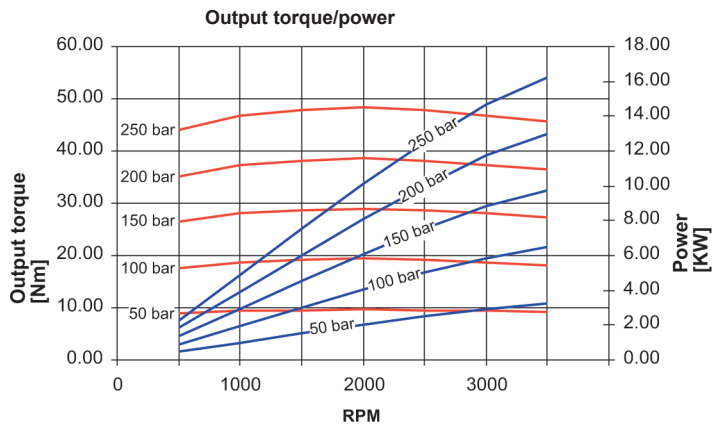
EO.120.0322.02.001M05

PERFORMANCE CURVES

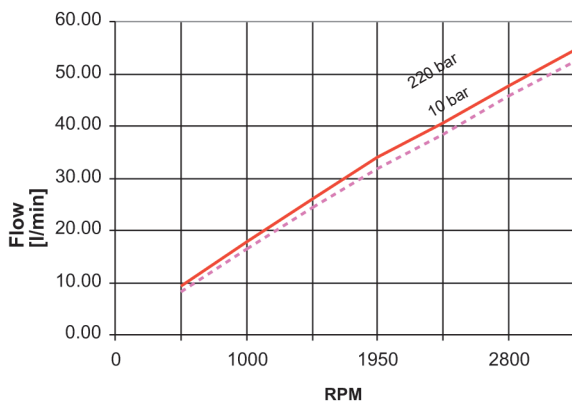
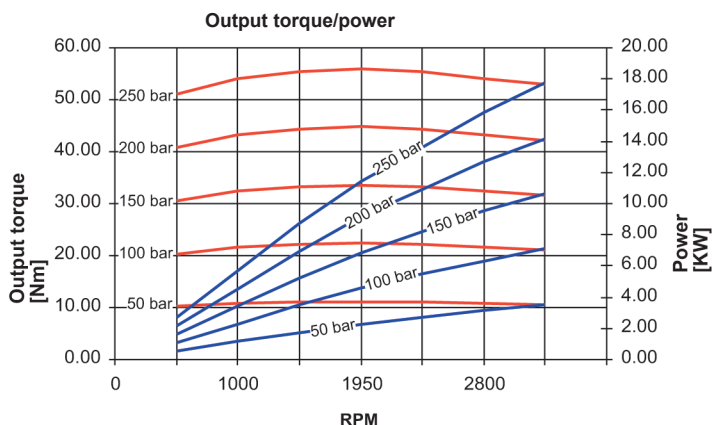
Performance curves carried out with oil viscosity at 21 cSt and oil temperature at 50°C



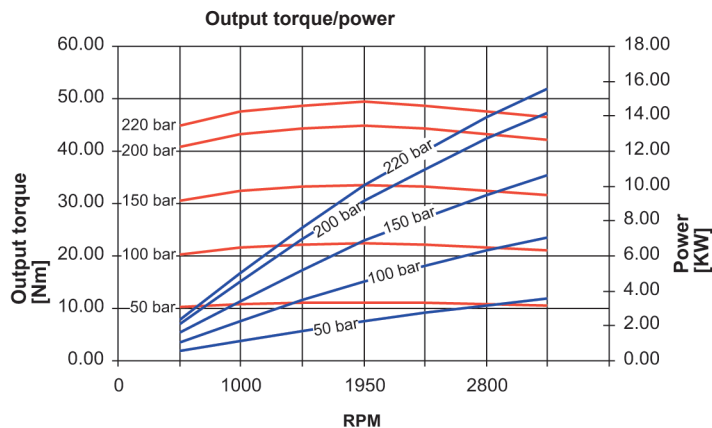
2ME - 13.8



2ME - 16



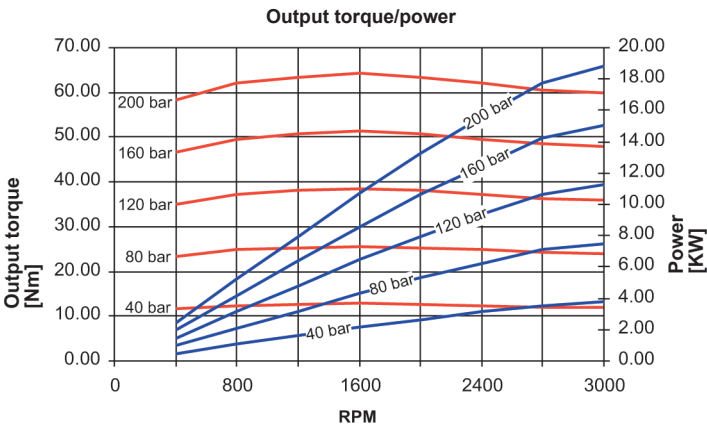
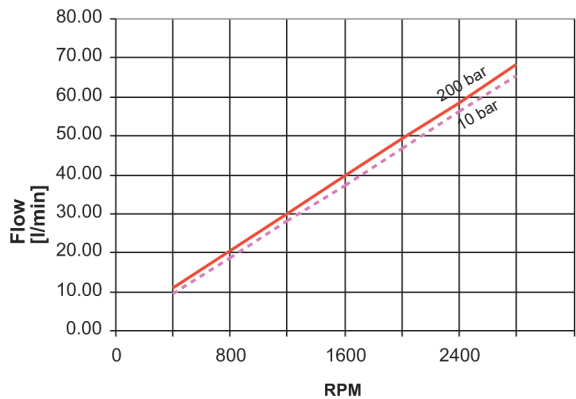
2ME - 19



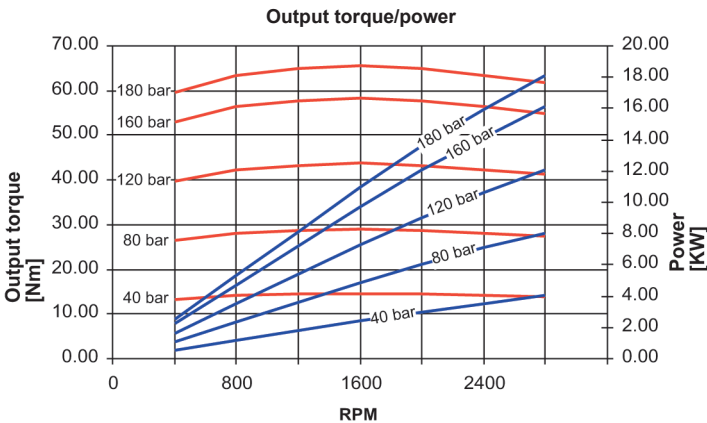
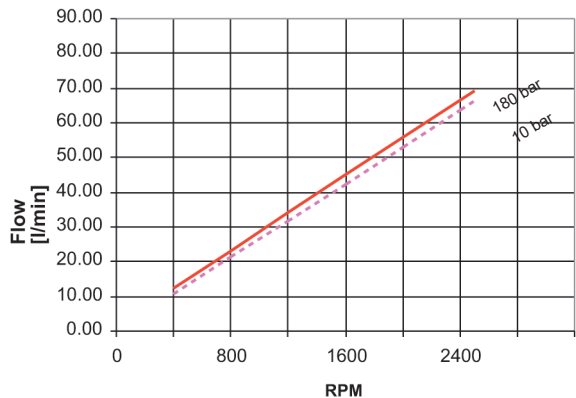
E0.120.0322.02.00IM05

PERFORMANCE CURVES

Performance curves carried out with oil viscosity at 21 cSt and oil temperature at 50°C



2ME - 22.5



2ME - 26

EO.120.0322.02.001M05



HOW TO ORDER

2ME

A

B

C

D

E

F

G

H

I

■ pressure relief valve setting (bar)

DISPLACEMENTS		A CODES
4.6 cm³/rev.	0.27 cu.in/rev.	4.5
6.5 cm³/rev.	0.40 cu.in/rev.	6.5
8.2 cm³/rev.	0.50 cu.in/rev.	8.3
10.6 cm³/rev.	0.65 cu.in/rev.	10.5
11.5 cm³/rev.	0.68 cu.in/rev.	11.3
12.5 cm³/rev.	0.77 cu.in/rev.	12.5
13.8 cm³/rev.	0.84 cu.in/rev.	13.8
16.6 cm³/rev.	1.01 cu.in/rev.	16
19.4 cm³/rev.	1.18 cu.in/rev.	19
22.9 cm³/rev.	1.37 cu.in/rev.	22.5
25.8 cm³/rev.	1.58 cu.in/rev.	26

ROTATION (page 132)	B CODES
Clockwise	D
Anti-clockwise	S
Reversible	R

PORTS (page 155)	C CODES
Flanged ports european standard	P
Flanged ports german standard	B
Threaded ports GAS (BSPP)	G
Threaded ports SAE (ODT)	R

DRIVE SHAFT (page 156)	D CODES
Tapered 1:5	25
Tapered 1:5 (only for CB)	26
Tapered 1:8	28
SAE A splined 9T	52
SAE splined 10T	53
SAE A splined 11T	54
9 teeth DIN 5482 splined	62
5/8" SAE A parallel	82
3/4" SAE A parallel	85

I REAR COVERS (page 162)	CODES
Side drain port	LD
Adjustable main relief valve	VS
Fixed setting main relief valve	VSE
Solenoid unloading valve (12V)	EV1/EV3
Solenoid unloading valve (24V)	EV2/EV4
Solenoid unloading valve and relief (12V)	EVS1/EVS3
Solenoid unloading valve and relief (24V)	EVS2/EVS4
Fan drive - Solenoid unloading valve and relief Configuration at page 165	EPV ■
Fan drive - Proportional Solenoid valve and relief Configuration at page 165	EPP ■
Fan drive - Proportional Solenoid valve and relief Configuration at page 165	EPP-RV ■
Internal drain	IDV
Anti - cavitation valve	VR

H OUTRIGGER BEARING (page 159)	CODES
European standard	CP
German standard	CB
For engine endothermic motors	CL
For endothermic motors with axial and radial loads	CF
SAE A	CS

G PORTS LAYOUT	CODE
Side ports (standard configuration)	-
Rear ports (page 162)	1

F SEAL	CODE
Buna standard	
Viton	V

E MOUNTING FLANGES (page 158)	CODES
European standard	P1
German standard Ø80	B1
SAE A 2 bolts	S2

Order example: 2ME 19D, ports SAE (R), drive shaft (52), mounting flange (S2) with valve in the cover (VPS 12.5 l/min) and pressure relief valve setting 180 bar:
2ME19D-R52S2-VPS12.5/180

E0.120.0322.02.00IM05



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You can find our most up to date “STANDARD SALES CONDITIONS” on our website.
Potete trovare le nostre più aggiornate “CONDIZIONI DI VENDITA STANDARD” sul nostro sito.

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Salami Fluid Power World
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Salami Fluid Power Deutsch

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