

3.15^{+0.01}/_{-0.04}
[0.124^{+0.0004}/_{-0.0015}]

SECTION B-B

KEY 3,15x6,5

M12x1.5 UNI 5589

Taper 1:8

16.655±0.05
[0.6557±0.0019]

40 Nm

Max torque
140Nm

12±0.35
[0.472±0.013]

15
[0.5906]

39.7 [1.563]
5 [0.1969]
52.75 [2.0768]
111.1 [4.37]
M8n°4 holes
depth 14mm - 15Nm
90°
16.075 [0.6329]
19 [0.748]
40 [1.5748]

27.8 [1.0945]
52.75 [2.0768]
M6 n°4 holes
depth 13mm - 8Nm
90°
102 [4.0157]
16.075 [0.6329]
13 [0.5118]
30 [1.1811]

71.5 [2.815]
9.4 [0.37]
N°4 holes
32.2 [1.2677]
96.2 [3.7874]

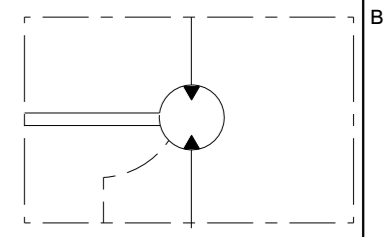
45 Nm

89.5 [3.52]
16.05 [0.6319]
114.2 [4.4961]
87 [3.4252]
G 1/4" - 15Nm
depth 17mm

Dimensions w/o tol:
- Both machining ref.: < 400 ± 0.6; ≥ 400 ± 1
- One or both rough ref.: ± 3
Dimensions are in mm.

For operating condition outside those stated, please consult Casappa S.p.A. Technical sales department

Signature for approval
Date: _____



PAGE 1 OF 4

Cap.Forn./Rules Suppl.	Trattamento Termico / Heat Treatment	Trattamento Superficiale / Surface Treatment	Prof.(mm) / Depth
-	-	-	-
Quote senza indicazione di tolleranza / Unless otherwise specified tolerances		Materiale / Material	Durezza / Hardness
GRADO DI PRECISIONE ACCURACY LEVEL		-	-
Disegnato/Drawn	Approvato/Approved	Mod.Tecn./ Release change	Progetto/Project
Date	29-11-2017	29-11-2017	11929
Firma	RossiC	GuidettiM	File
Signature			01999806
Descrizione / Description			Scala/Scale
MOTORE PLM20.16R0-82E2-LEA/EB-N-EL			7:10
MOTOR PLM20.16R0-82E2-LEA/EB-N-EL			Formato/Size
			A3
Codice / Code			Ind. Mod./ Index Rev.
01999806			1
Sostituisce / It replaces			

CASAPPA
FLUID POWER DESIGN
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MOTOR DATA

Senso di rotazione (guardando l'albero conduttore) Direction of rotation (looking on drive shaft)		Reversibile (R) Reversible (R)
Cilindrata - Displacement		16,85 [cm3/rev]
Pressione max continua - Max continuous pressure	P1	250 [bar]
Pressione max intermittente - Max intermittent pressure	P2	250 [bar]
Pressione max picco - Max peak pressure	P3	250 [bar]
Pressione max sullo scarico dei motori unidirezionali Max back pressure for single rotation motors	P1 (cont.)	- [bar]
	P2 (20 s)	- [bar]
	P3 (8 s)	- [bar]
Pressione max sul drenaggio dei motori reversibili Max drain line pressure on the reversible rotation motors		5 [bar]
Velocità - Speed	min P1	500 [min ⁻¹]
	max P1	3000 [min ⁻¹]
Guarnizioni - Seals type		NBR
Temperatura minima - Min temperature		- 25 [°C]
Temperatura massima - Max temperature	continuous	+ 80 [°C]
	peak	+ 100 [°C]
Campo di viscosità - Viscosity range	recommended	12 to 100 mm ² /s (cSt)
	permitted	max 750 mm ² /s (cSt)
Classe di contaminazione raccomandata per il fluido Recommended fluid contamination class	Dp > 200 bar bx = 75 - 10 mm	8 - Nas 1638 19/17/14 - ISO 4406
	Dp < 200 bar bx = 75 - 25 mm	10 - Nas 1638 21/19/16 - ISO 4406
Codice del prototipo - Prototype code		-
Codice cliente - Customer code		-
Valvola di massima pressione - Relief valve		- [bar]
Pressione di stand-by valvola LS - Stand-by pressure LS valve		- [bar]
Peso - Weight		2.820 [kg]
Vernice - Painting		-
Trattamenti speciali - Special treatment		-

Independently from the max rated pressure values indicated in the table, the max admissible torque of the output shaft and (when applicable) of connecting hub(s) must be respected. Consequently it could be necessary to limit the max working pressures accordingly.

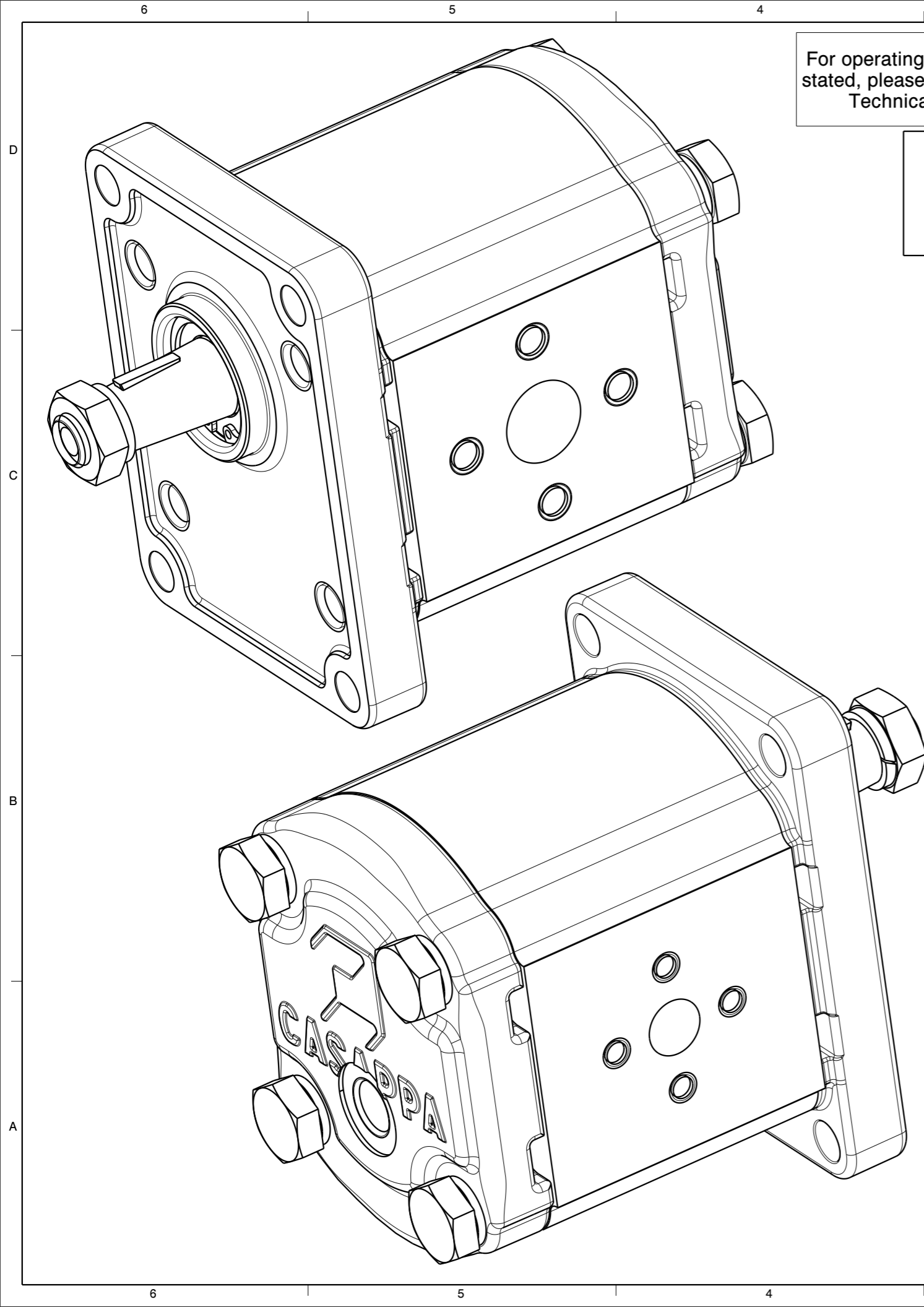
Indipendentemente dai valori di massima pressione riportati in tabella, devono essere rispettate le coppie massime ammissibili su alberi e/o mozzi di trascinamento. Pertanto potrebbe risultare necessario limitare le pressioni massime di esercizio di conseguenza.

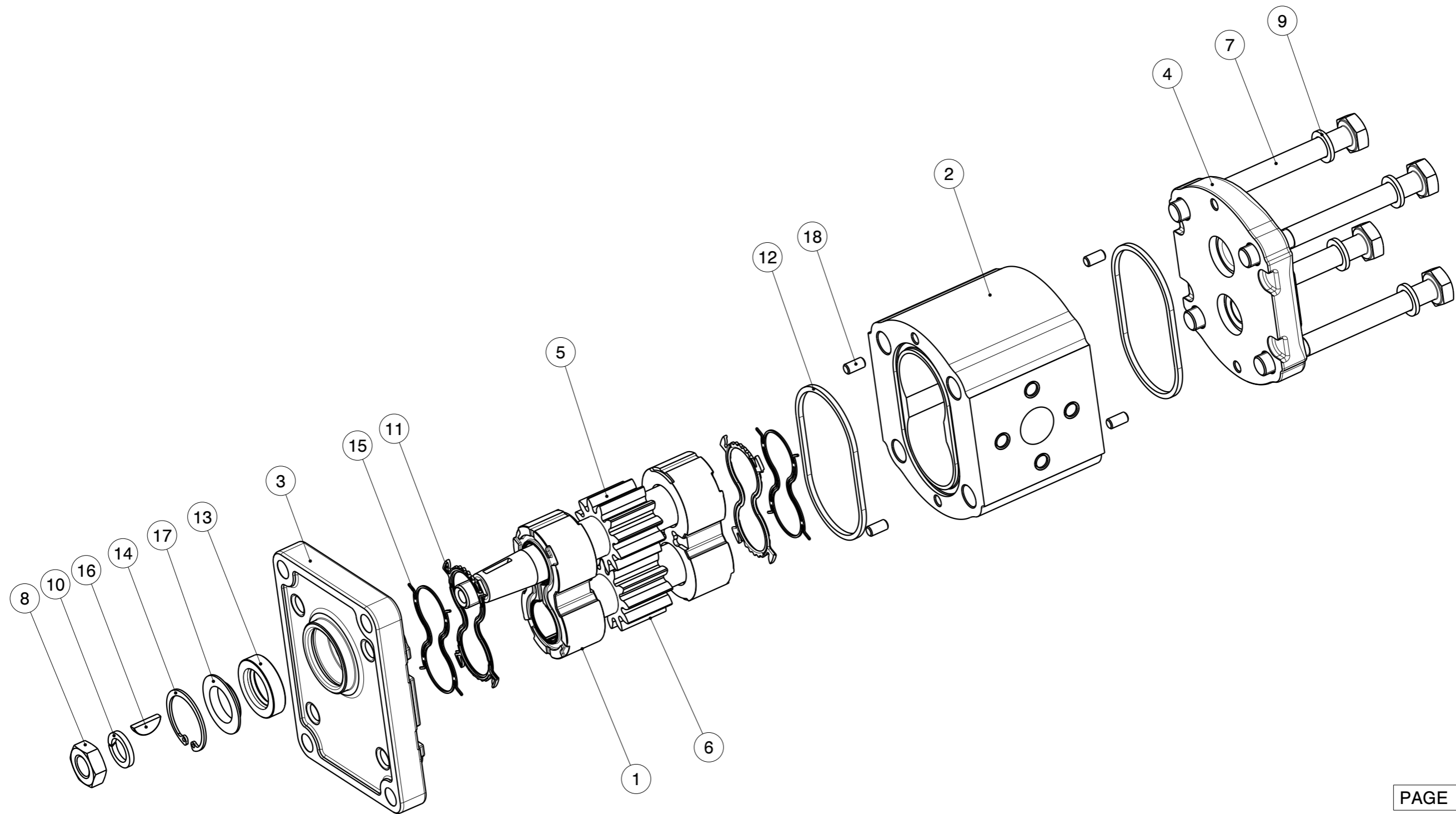
PAGE 2 OF 4

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MOTORE PLM20.16R0-82E2-LEA/EB-N-EL		1:1	A3
MOTOR PLM20.16R0-82E2-LEA/EB-N-EL		Ind. Mod./ Index Rev.	
Codice / Code		Sostituisce / It replaces	-
01999806		1	



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29-11-2017	29-11-2017	11929	Progetto/Project
Firma	RossiC	GuidettiM	Stato / Process
Signature			File
			01999806
			Codice Grezzo / Master Code
			-
			Scala/Scale
			1:2
			Formato/Size
			A3
			Ind. Mod./ Index Rev.
			1
			Sostituisce / It replaces
			-
			Codice / Code
			01999806



MOTORE PLM20.16R0-82E2-LEA/EB-N-EL
 MOTOR PLM20.16R0-82E2-LEA/EB-N-EL

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Pos.	Codice Code	Kit	Q.tà Q.ty	Descrizione Description	Indice modifica Index revision
18	49270000		4	SPINA MM.5x10 UNI1707 H8 DOWEL PIN MM.5x10 UNI1707 H8	1
17	45620000		1	PIASTRINA PARAOLIO GR.2 BACK-UP WASHER GR.2	3
16	42520000		1	LINGUETTA 3.15X6.5 280 HB KEY 3.15X6.5	1
15	41387112		2	ANTIESTRUSORE Z PL20 R T.N. ANTIEXTRUSION Z PL20 R T.N.	2
14	40661000		1	ANELLO 30 UNI 7437-DIN 472 RING 30 UNI 7437-DIN 472	0
13	39800000		1	PARAOLIO BAU2 18X30X7 SHAFT SEAL BAU2 18X30X7	0
12	39666195		2	GUARNIZIONE PL 20 STANDARD SEZIONE QUADRATA STANDARD SEAL PL 20 SQUARE SECTION	0
11	39656112		2	GUARNIZIONE PL20 R T.N. SEAL PL20 R N T.N.	2
10	37583803		1	ROSETTA 12 DIN 7980 GEOMET 321/A WASHER 12 DIN 7980 GEOMET321/A	0
9	37583716		4	ROSETTA 10 (10,5x16x2) HV300 GEOMET 321/A WASHER 10 (10,5x16x2) HV300 GEOMET 321/A	0
8	36860000		1	DADO M 12X1,5 UNI 5589-A-6S-GEOMET 321/A PLUS M NUT M 12X1,5 UNI 5589-A-6S-GEOMET 321/A PLUS M	0
7	36593012		4	VITE TE M 10X100 5737 10.9 GEOMET 321/A PLUS M SCREW TE M 10X100 5737 10.9 GEOMET 321/A PLUS M	0
6	27750050		1	INGR.CONDOTTO F-K-PL20.16 DRIVEN GEAR F-K-PL20.16	4
5	27720050		1	INGR.CONDOTTORE K-PL20.16-82 DRIVE SHAFT K-PL20.16-82	3
4	21918652		1	COPERCHIO POST. PL20-R/AL TN REAR COVER PL20-R/AL TN	3
3	21911152		1	COPERCHIO ANT.PL20/AL FRONT COVER PL20/AL	9
2	17672144		1	CORPO PL20.16-LEB/EA BODY PL20.16-LEB/EA (H = 69,5)	9
1	25930700		2	RASAMENTO PL20 R (ES) THRUST PLATE PL20 R (ES)	3
PAGE 4 OF 4					
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Data / Date		29-11-2017	29-11-2017	-	-
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 CASAPPA® FLUID POWER DESIGN					Ind. Mod./ Index Rev.
Descrizione / Description MOTORE PLM20.16R0-82E2-LEA/EB-N-EL MOTOR PLM20.16R0-82E2-LEA/EB-N-EL					1
Codice / Code			Sostituisce / It replaces		-
01999806					