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..... dal 1981

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&
K

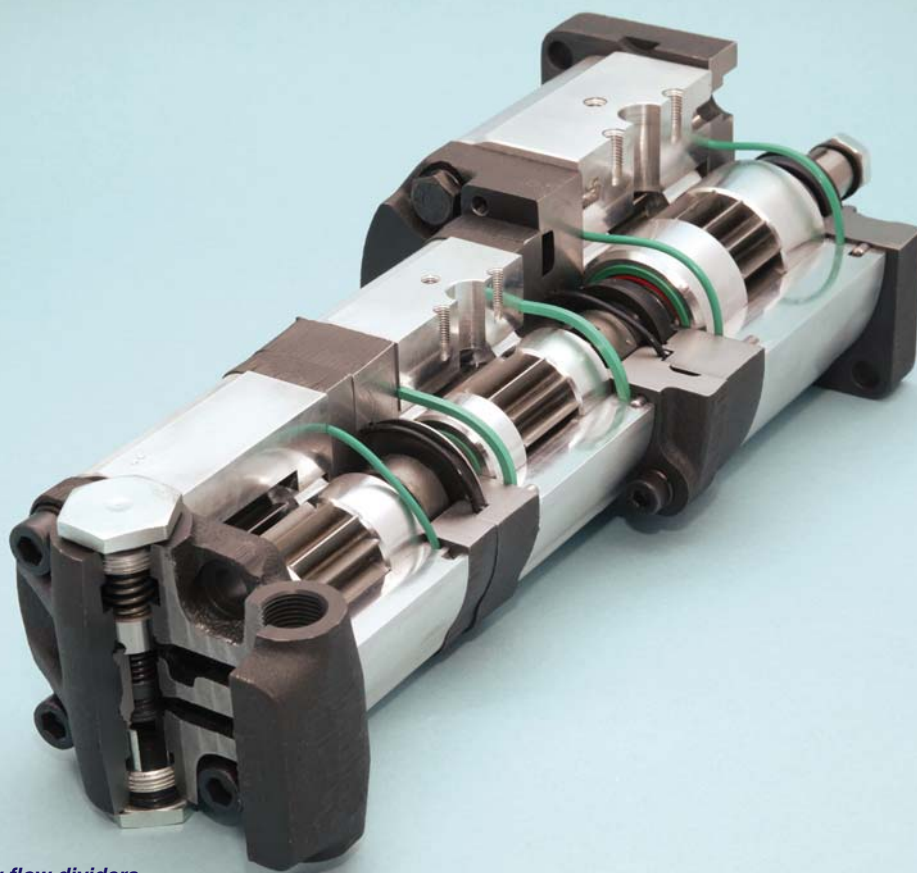


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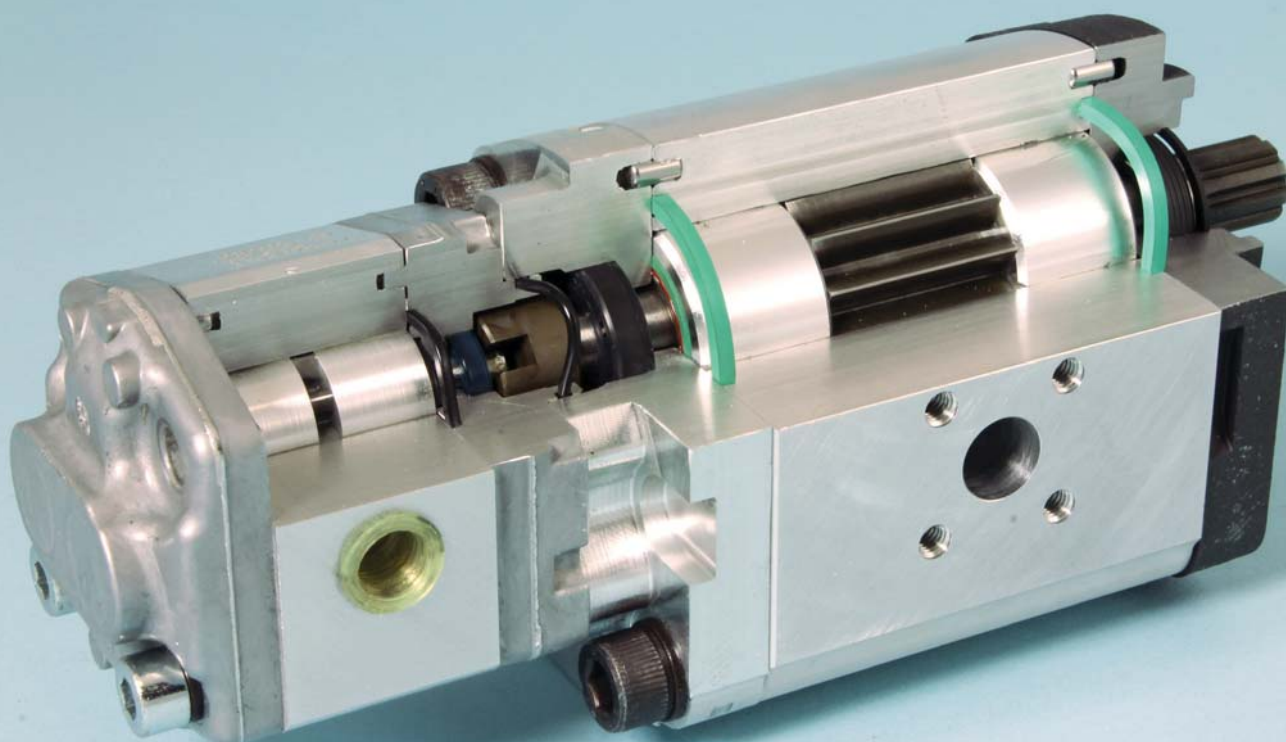
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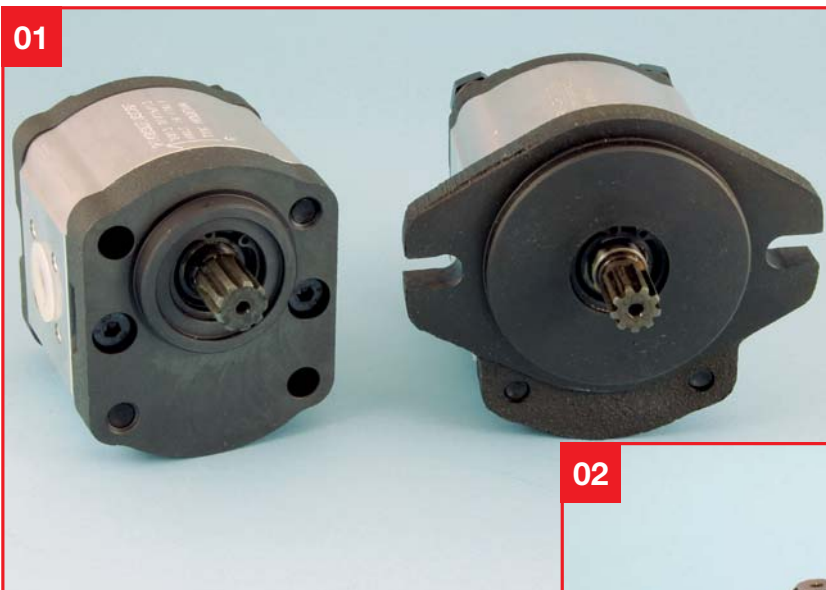


SIZE 3+2+2+2 Priority flow dividers



SIZE 2+1

01



02



25TK
SAE Splined 11 theet
SAE-B 2 Bolts
SAE-A Splined 11 theet
SAE-A 2 Bolts

03



2TK - RCF CNH
constant flow control valve

04



22TK International
one inlet port - relief valve

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TK&K Costruisce pompe ad ingranaggi dal 1981.

Utilizziamo i migliori metalli dei più qualificati ed importanti fonditori europei.

Tutte le lavorazioni meccaniche sono eseguite a Modena, con un controllo diretto e continuo del nostro Sistema Qualità interno TKK- POMPE.

I recenti investimenti rivolti ad un livello qualitativo superiore, ci garantiscono oggi, una presenza sempre crescente nel mercato delle pompe ad ingranaggi.

- flange e coperchi in ghisa
- boccole ingranaggi separate (semiboccole)
- selezione degli accoppiamenti
- controllo dimensionale totale
- durezza e superfinitura dei profili
- controllo dei rendimenti



Le nostre pompe si distinguono per compattezza e prestazioni.

Su questo catalogo vi trasmettiamo un parziale prospetto di alcune versioni che prevediamo di Vostro utilizzo.

Richiedeteci informazioni più complete o dettagliate.

Per il settore mobile:

costruiamo una linea di pompe perfettamente intercambiabile all'originale (oltre 700 versioni) per ogni marca di trattore.

Potete richiederle attraverso il codice di origine o dal modello di macchina o marca.

La versatilità delle pompe TKK permette il cambio di rotazione con la sola inversione degli ingranaggi.

Su richiesta ogni pompa singola è predisposta per l'attacco di un giunto trascinatore. La composizione di pompa multiple è quindi molto semplice e rapida.

Il nostro stock è sempre molto fornito e permette ai nostri clienti disponibilità di pompe e ricambi immediate.

Il nostro sistema produttivo e organizzativo garantisce tempi brevi anche su quantitativi di pompe speciali in tempi contenuti.

Tutte le informazioni al:

tel. 059 33 19 23

fax. 059 33 19 41

e-mail tkkfluid@tkkfluid.it

La pompa ad ingranaggi è il componente maggiormente utilizzato nei circuiti oleodinamici.

La sua semplicità costruttiva, il suo costo contenuto, le limitate dimensioni di ingombro e peso rendono le pompe ad ingranaggi versatili per la maggior parte di applicazioni.

La pompa è composta da due ingranaggi ad assi paralleli supportati da quattro semiboccole con cuscinetti di rotolamento, incamerati all'interno di un corpo di alluminio estruso ad alta resistenza, con fronte e retro 2 coperchi di chiusura in ghisa.

L'ingranaggio di trascinamento o conduttore, fuoriesce dal coperchio-flangia anteriore per trasmettere la rotazione all'altro ingranaggio condotto. La loro rotazione genera all'interno del corpo pompa un volume di depressione (aspirazione) ed un altro opposto di pressione (mandata) per gli utilizzi di lavoro.

La costruzione degli ingranaggi con 12 denti garantiscono una pulsazione del fluido che risulta contenuta. Così come per il livello di rumorosità molto basso.

Le pompe ad ingranaggi Tk&k sono prodotte nelle grandezze 2 e 3. Il gruppo 1 comprende cilindrata da 1,1 a 7,8 cm³/giro. La cilindrata di una pompa è il volume del fluido generato da 1 giro completo dell'albero o ingranaggio conduttore. Cioè da 1 giro completo della coppia di ingranaggi all'interno della pompa. La loro differente lunghezza, a parità di diametro esterno e forma dei denti, determina i diversi volumi di fluido spostati per ogni giro completo. Pertanto a 1000 giri/minuto, il volume generato verso gli utilizzi, detto portata Q della pompa, equivale ai litri disponibili in un minuto. Secondo la formula:

$\text{cilindrata (cm}^3\text{/giro)} \times \text{nr.giri} = \text{portata Q}$

Per esempio una pompa con cilindrata di 8 cm³/giro, genera 8000 cm³ a 1000 giri, cioè 8 dm³ = 8 litri a 1000 giri, od anche 12 litri a 1500 giri o 16 litri a 2000 giri/minuto.

I valori 8,12,16.....rappresentano la portata (Q) ovvero la quantità di fluido in transito e disponibile nelle condotte di mandata o di utilizzo. La scelta di diverse portate è in funzione delle velocità desiderate agli utilizzi.

Gear pumps are the components mostly used in hydraulic circuits.

The simple engineering, the reasonable price, the light weight and the high compactness make gear pumps suitable for most applications.

A pump comprises:

- 2 gears with parallel axes, supported by 4 half-bushings with antifriction bearings and housed in a high-resistance extruded aluminium body

- front and rear cast-iron covers.

The driving gear shaft - projecting out from the front cover - transmit the rotation movement to the driven gear. The rotation of both gears generates a pressure vacuum (suction) and an opposite pressure (delivery), the latter being distributed to the application.

The 12-teeth-gears guarantee a moderate pulsation of the fluid.

The same is for the noise level: in other words the pump is of low noise.

The gear pumps TK&K come in the series 2 and 3.

The series 1 refers to the displacement from 1.1 to 7.8 cc.

The displacement of a pump (also called "swept volume") is the volume of fluid generated by a full revolution of the driving shaft or gear. That is to say by a full revolution of both gears inside the pump body.

The same outside diameter, the same tooth shape but the different gear length generate a different fluid volume each full revolution.

It follows that at 1000 rev/min the swept volume towards the application

- that is the flow "Q" - is equal to the fluid volume available in 1 minute and this according to the formula:

swept volume (cc) x no. of revolutions = Q (for 1000 rev-min)

For example a pump with a swept volume of 8 cc per revolution generates 8000 cc at 1000

Il gruppo 2 comprende cilindrata da 4 a 26 cm³/cub giro in diverse configurazioni e tipologie. Variano le estremità degli alberi trascinatori (ingranaggio conduttore), le flange anteriori di fissaggio delle pompe alla presa di moto, i fori filettati per la connessione delle condotte al corpo pompa (IN e OUT). Inoltre i coperchi posteriori sono costruiti con differenti versioni di valvole limitatrici di pressione, di regolazione di portata sempre costante e di non ritorno (unidirezionali). Inoltre i coperchi posteriori, con differenti forature, offrono la possibilità di convogliare i flussi IN e OUT dietro, escludendo le condotte laterali dal corpo pompa.

Il gruppo 3 con cilindrata da 22,5 a 63 cm³/cub giro.

La 63 è la pompa più grande disponibile, la sua cilindrata è di 63 litri a 1000 giri. La più piccola è la 22,5 cm³/cub

Molteplici configurazioni esterne permettono la loro applicazione in numerose prese di forza per la trasmissione moto.

revolutions, that is 8 litres at 1000 revolutions or 12 litres at 1500 revolutions or 16 litres at 2000 rev/min.

The values 8, 12 and 16 represent the flow "Q" or the fluid volume in transit or available in the delivery pipes to the application.

The flow "Q" is to be chosen in function of the desired speed at the application.

The series 2 comprises swept volumes from 4 to 26 cc per revolution, in different versions and types. Variations refer to the ends of the driving gear shafts, the front flanges to fix the pumps to the power take-off and the threaded holes to connect the pipes to the pump body (IN and OUT).

Furthermore the rear covers are fitted with different types of pressure relief valves, flow control valves and check valves (unidirectional). Important are also the rear covers featuring different hole patterns, thus giving the possibility to convey the IN and OUT flows to the rear cover shutting off the side pipes on the pump body.

The series 3 features displacements from 22.5 to 63 cc per revolution.

The pump type 63 is the largest pump available. The swept volume is 63 litres at 1000 revolutions. The swept volume of the smallest pump is 22.5 cc.

Various outside configurations enable the connection of our pumps to many different kinds of PTO.

Il senso di rotazione si stabilisce guardando la pompa frontalmente, con l'albero conduttore verso l'alto e sporgente verso chi lo guarda.

Con senso di rotazione orario la pompa sarà DESTRA (fig.1)

Con senso di rotazione antiorario la pompa sarà SINISTRA (fig.2)

IN = ASPIRAZIONE

OUT = PRESSIONE

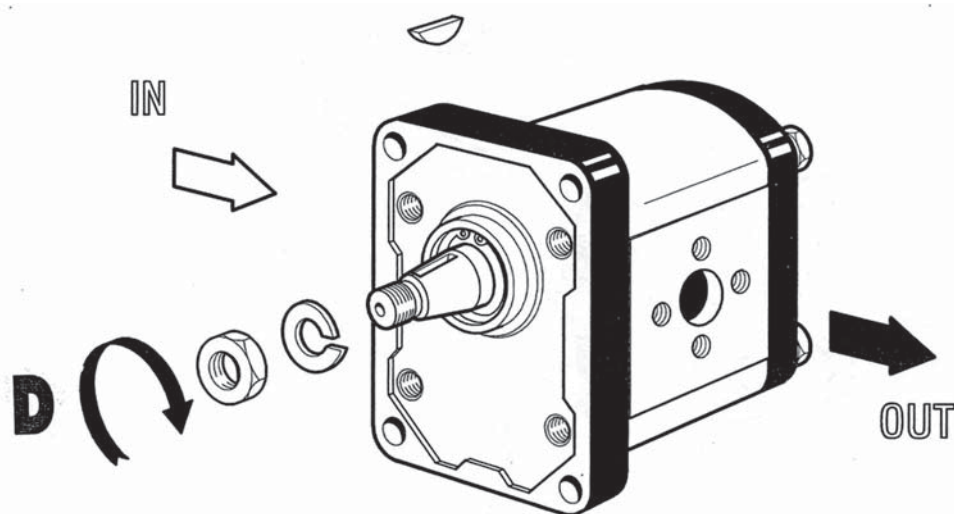


Fig.1 Pompa destra con senso di rotazione orario.

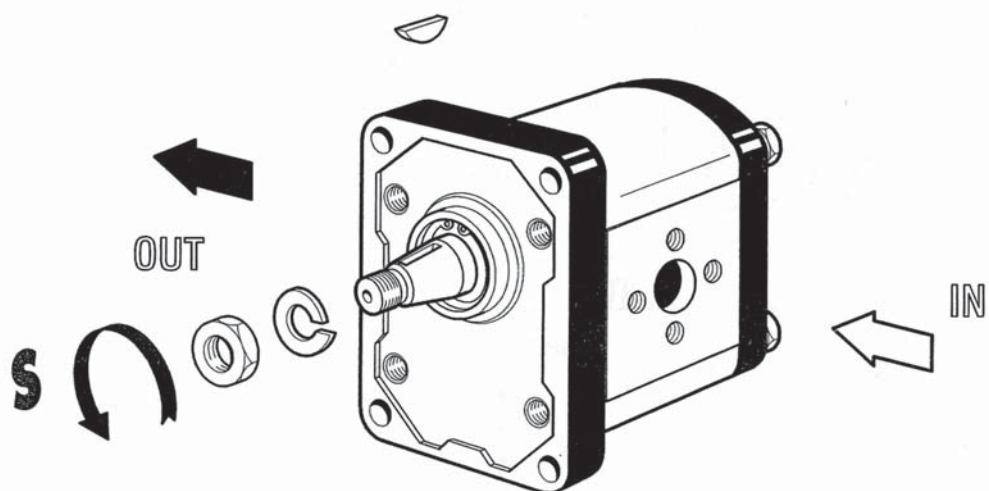


Fig.2 Pompa sinistra con senso di rotazione antiorario

CAMBIO DI ROTAZIONE (PER POMPE 2TK E 3TK CON COPERCHI IN GHISA)

Nelle pompe tk&k è possibile cambiare il senso di rotazione invertendo la posizione dell' albero conduttore 1 con il condotto 2 (uno al posto dell' altro)

Le boccole 3 e 4 mantengono la posizione precedente.

Solamente la flangia anteriore deve essere ruotata di 180°

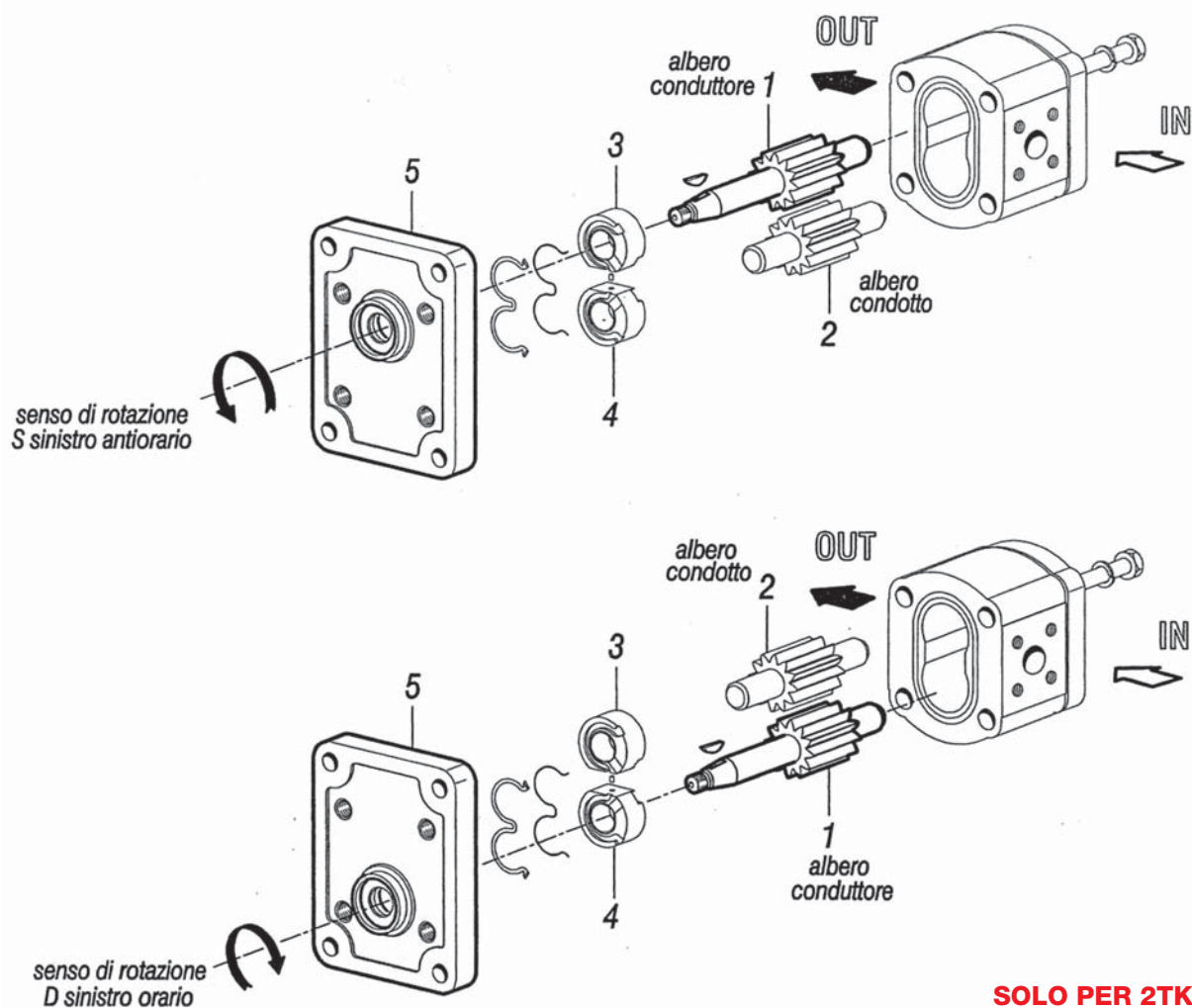
Le forature sul corpo pompa "IN" e "OUT" restano invariate.

Coppia di serraggio viti M10 = 6,5 Kgm

POMPE MULTIPLE

NB. Nelle pompe multiple eseguire la stessa procedura anche sulle secondarie abbinate.
(Albero conduttore nella posizione del condotto)

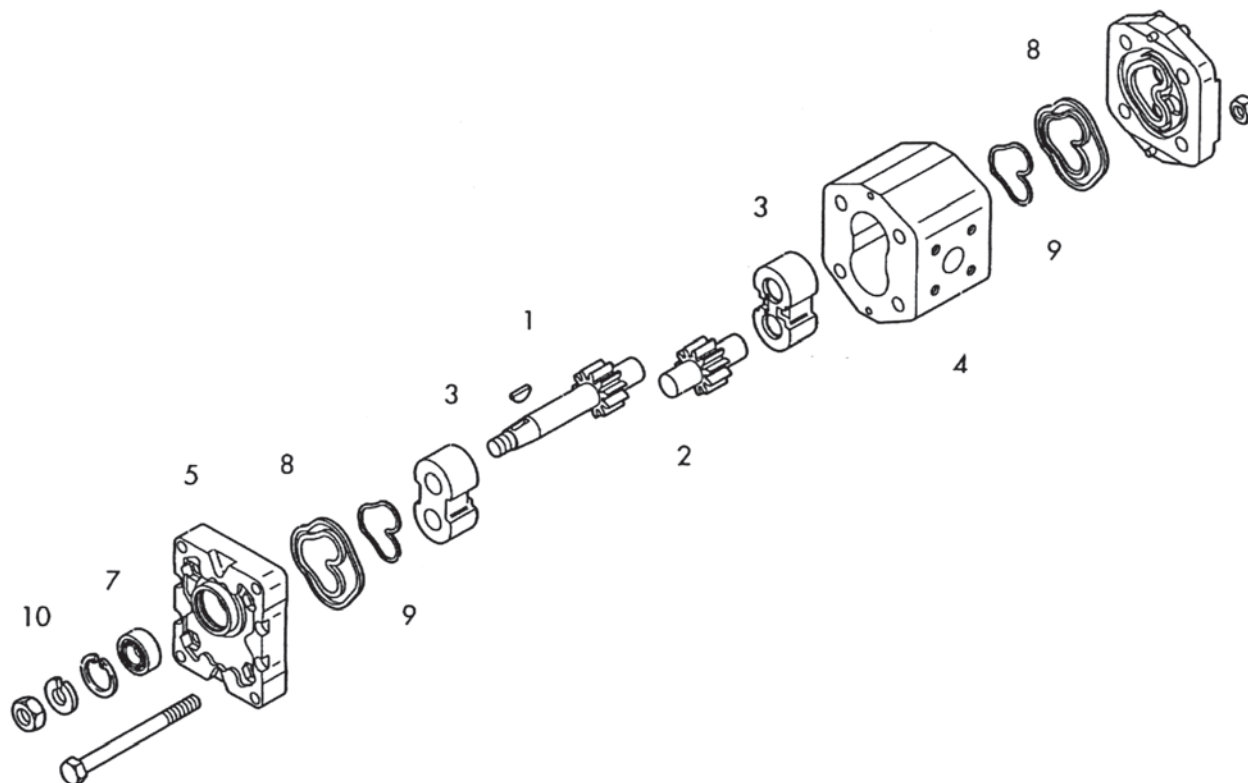
esempio di pompa sinistra antioraria trasformata con rotazione destra oraria



SOLO PER 2TK E TK

POMPE GRUPPO 1, 1TK SERIE da 1 a 8 cm³ + giro

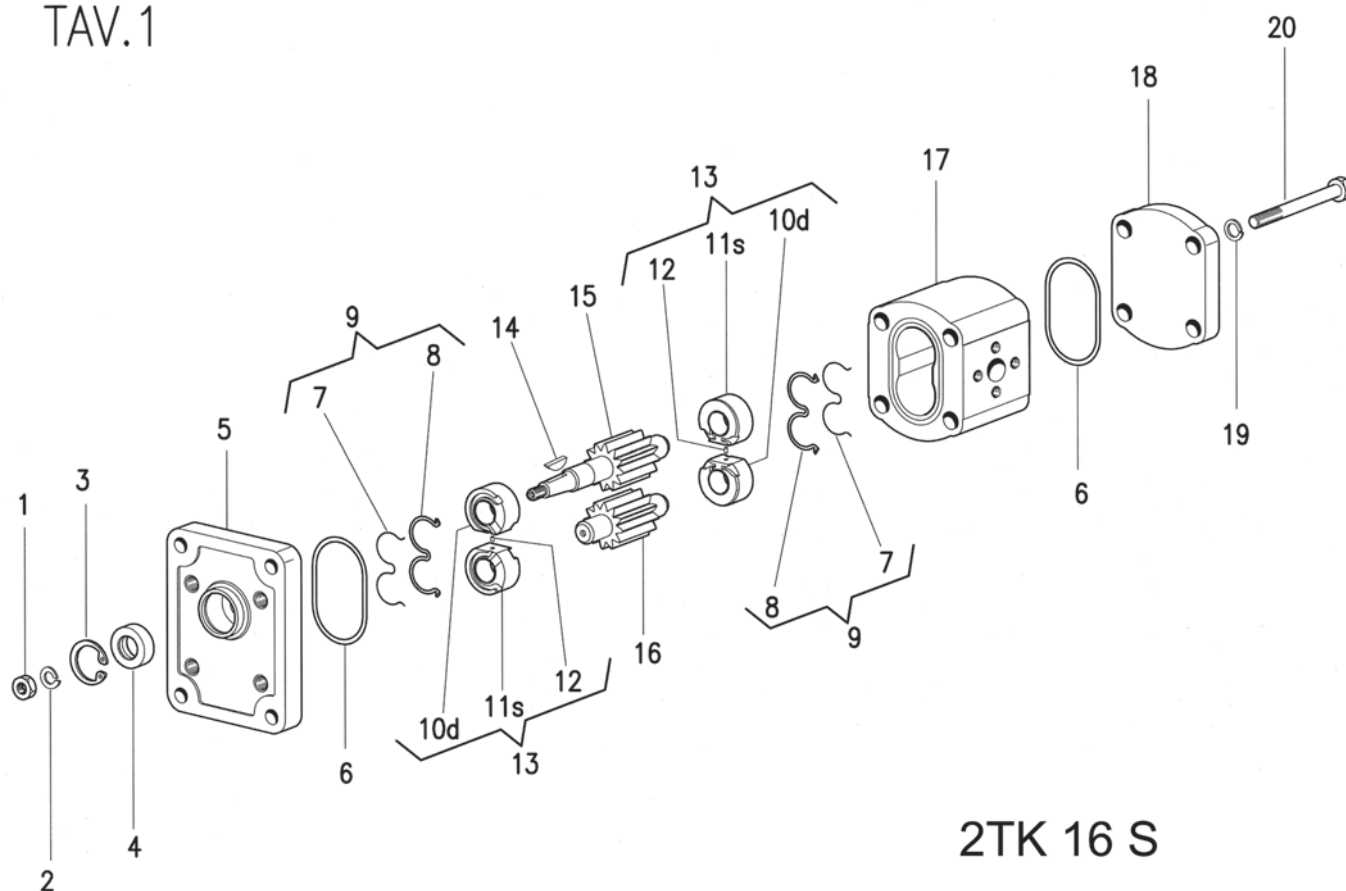
RICAMBI



1- INGRANAGGIO CONDUTTORE	ART	_____
2- INGRANAGGIO CONDOTTO	ART	_____
3- BOCCOLE	ART	_____
4- CORPO	ART	_____
5- FLANGIA	ART	_____
6- COPERCHIO	ART	_____
7- ANELLO DI TENUTA	ART	_____
8- GUARNIZIONI	ART	_____
9- ANTIESTRUSIONE	ART	_____
10- ANELLO ELASTICO D'ARRESTO	ART	_____

1- DRIVE GEAR
2- DRIVEN GEAR
3- BUSHINGS
4- BODY
5- FLANGE
6- COVER
7- ROTARY SHAFT SEAL
8- SEALS
9- ANTI-EXTRUSION SEALS
10- STOP RING

TAV.1



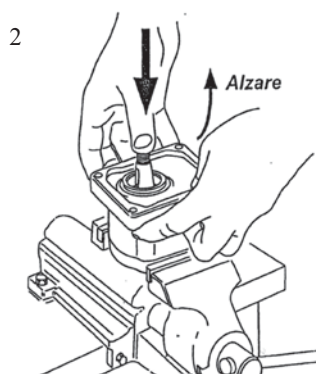
2TK 16 S

Posizione	Codice	DENOMINAZIONE	Quantità
1	795100102	Dado M12x1,25	1
2	795000101	Rondella grower	1
3	795500101	Anello seeger	1
4	796000101	Anello di tenuta paraolio	2
5	312300801	Flangia	1
6	312306405	Anello OR	2
7	312306402	Anello di Rasamento	2
8	312306401	Guarnizione di Rasamento	2
9			1
10	312300901	Boccola completa di DU Sinistra	2
11	312300902	Boccola completo di DU Destra	2
12	312300601	Spina boccola	2
13			1
14	795600101	Linguetta semicircolare	1
15	312300319	Ingranaggio conduttore 1 : 8	1
16	312300406	Ingranaggio condotto cc16	1
17	312300109	Corpo pompa CE2 16-352	1
18	312303501	Coperchio posteriore	1
19	795200101	Rondella grower	4
20	790100106	Vite TE M10x95	4



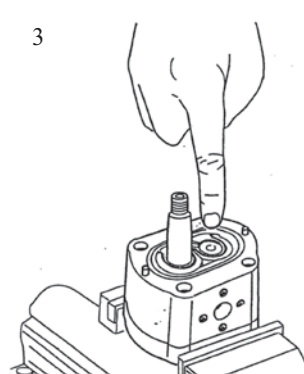
1 Per evitare di danneggiare il paraolio, coprire con grasso.

Appoggiare la pompa sul banco di lavoro, con la flangia rivolta verso l'alto



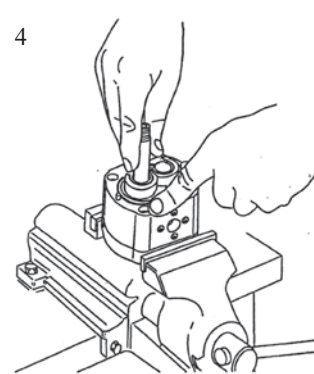
2

Rimuovere la flangia premendo manualmente sull'albero conduttore



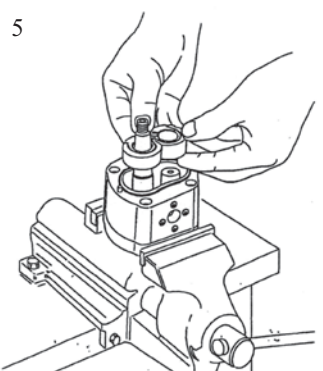
3

Verificare che le guarnizioni non siano state danneggiate



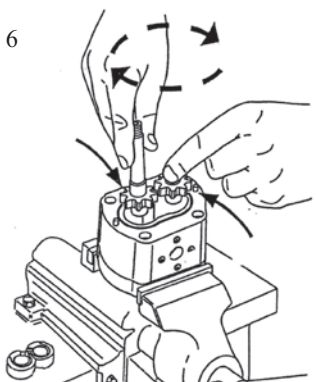
4

Prima dell'estrazione contrassegnare la posizione delle semiboccole e corpo pompa



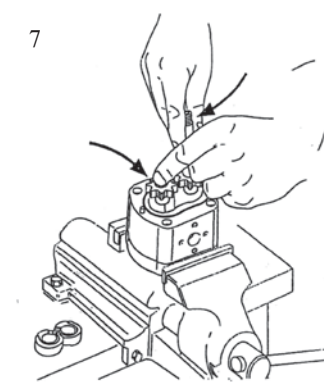
5

Rimuovere le due semiboccole, e l'albero conduttore.



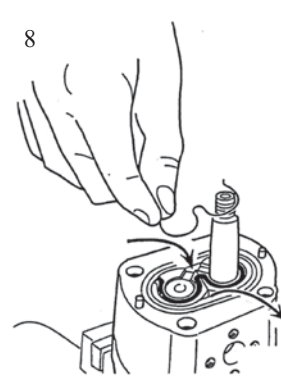
6

Invertire l'ingranaggio conduttore con quello condotto



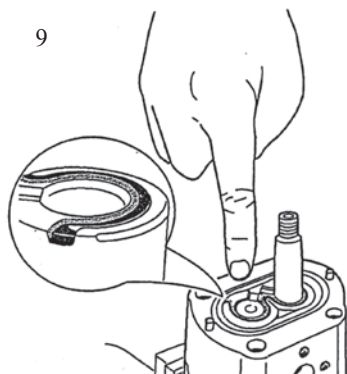
7

L'ingranaggio conduttore ha preso la posizione del condotto



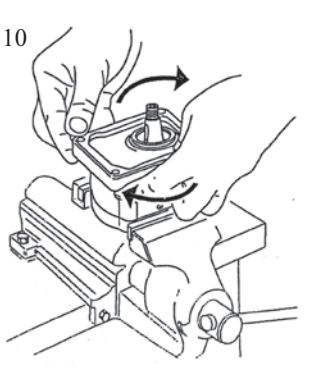
8

Le due semiboccole, riprendono la medesima posizione e orientamento precedente sul corpo come alla posiz.3



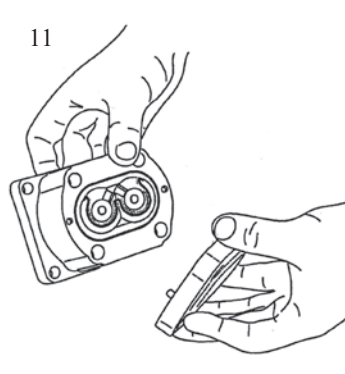
9

Verificare che le guarnizioni non fuoriescano dalla sede della boccola e che non sbordino sul corpo



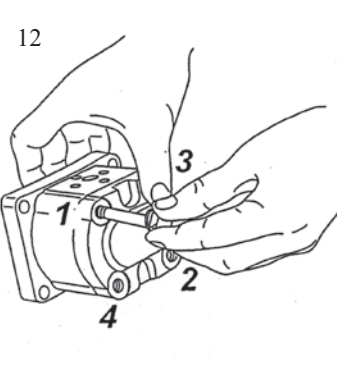
10

Montare la flangia ruotata di 180° sul corpo pompa



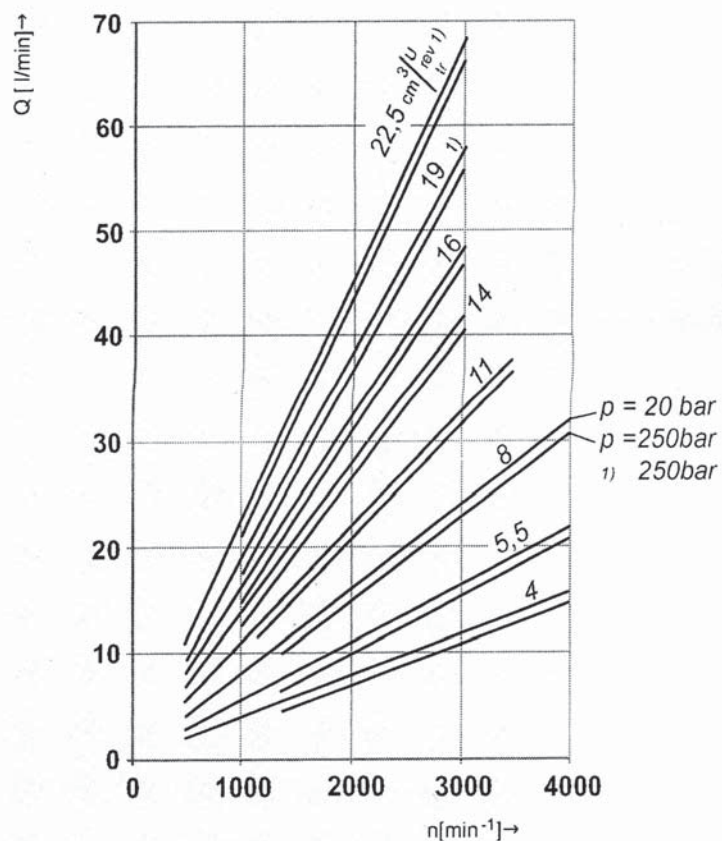
11

Rimuovere il coperchio posteriore e verificare che le guarnizioni e l'anello antiestrusione siano montati correttamente

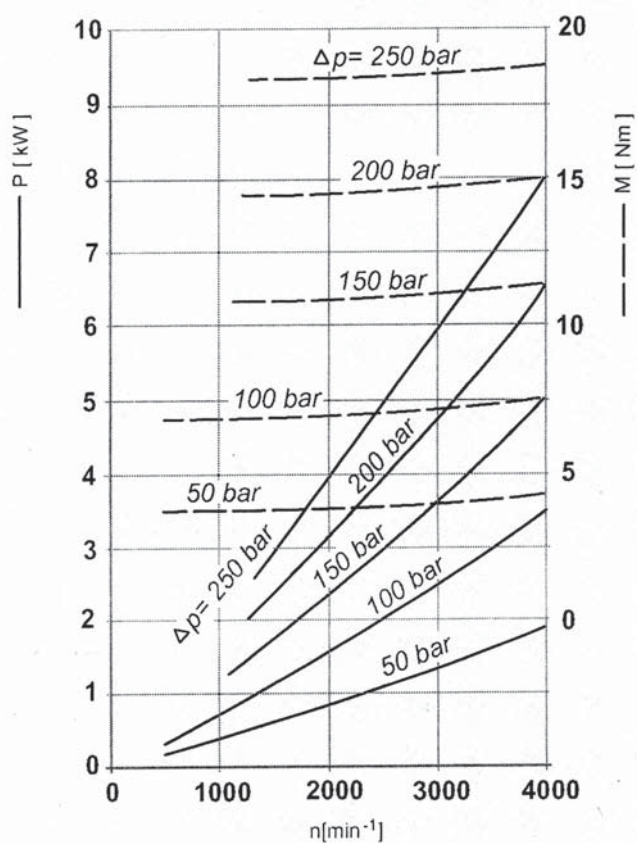


12

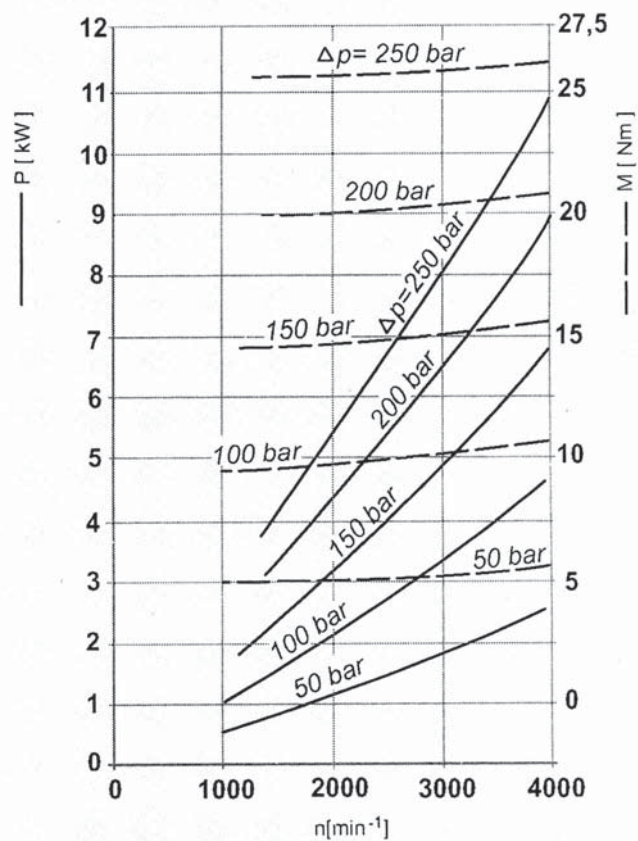
Il serraggio delle viti "M10" va eseguito incrociato 1-2 e 3-4.
COPPIA SERRAGGIO
60 Nm—2TK
65 Nm—3TK

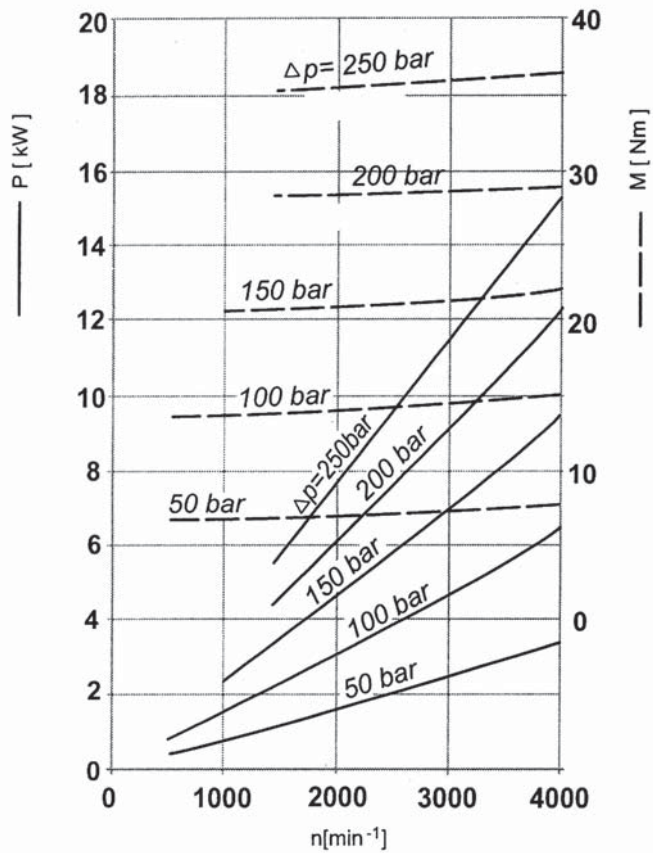
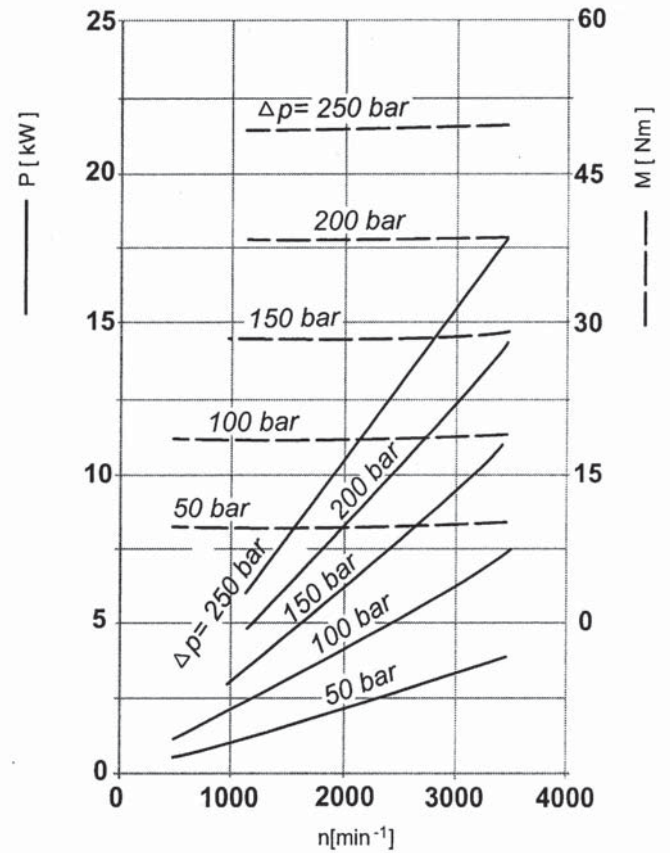
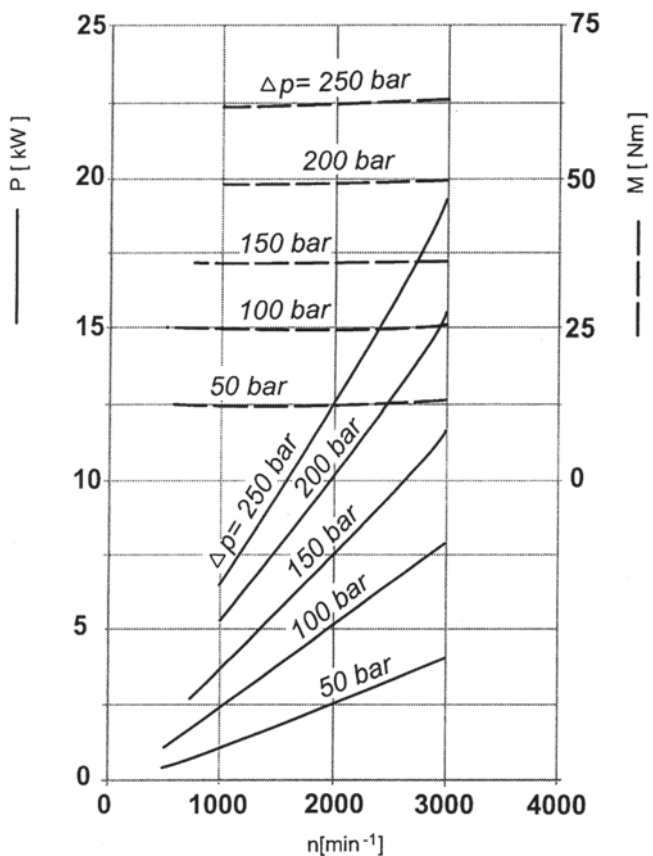
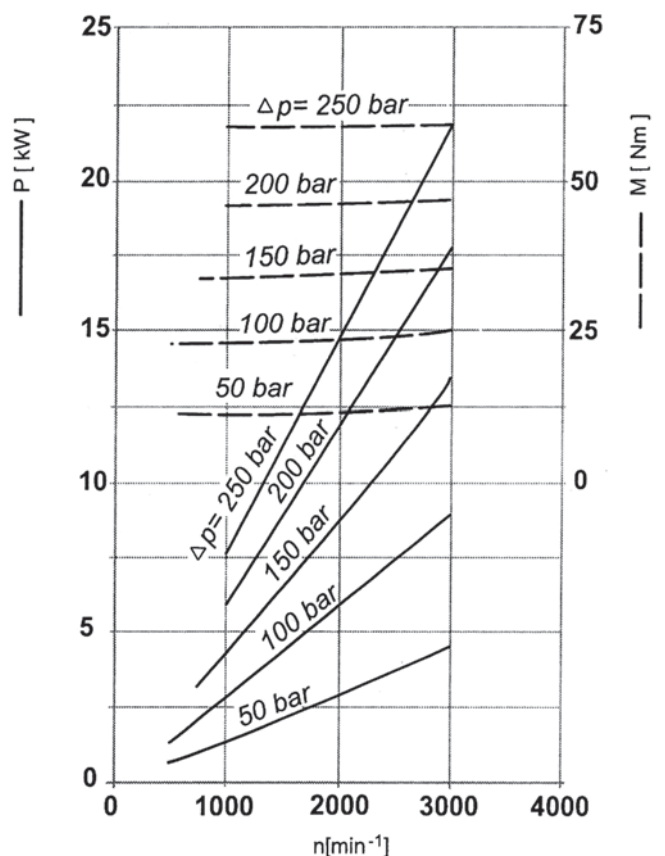


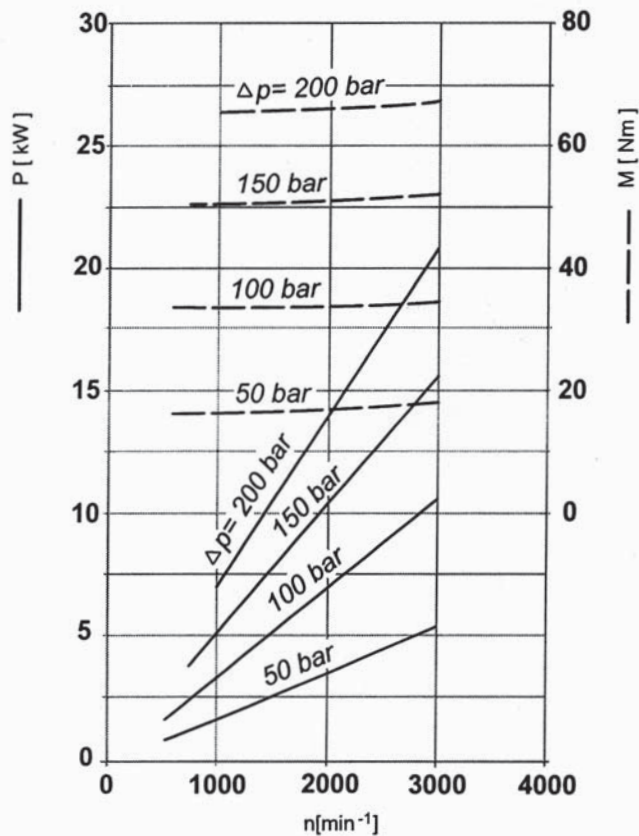
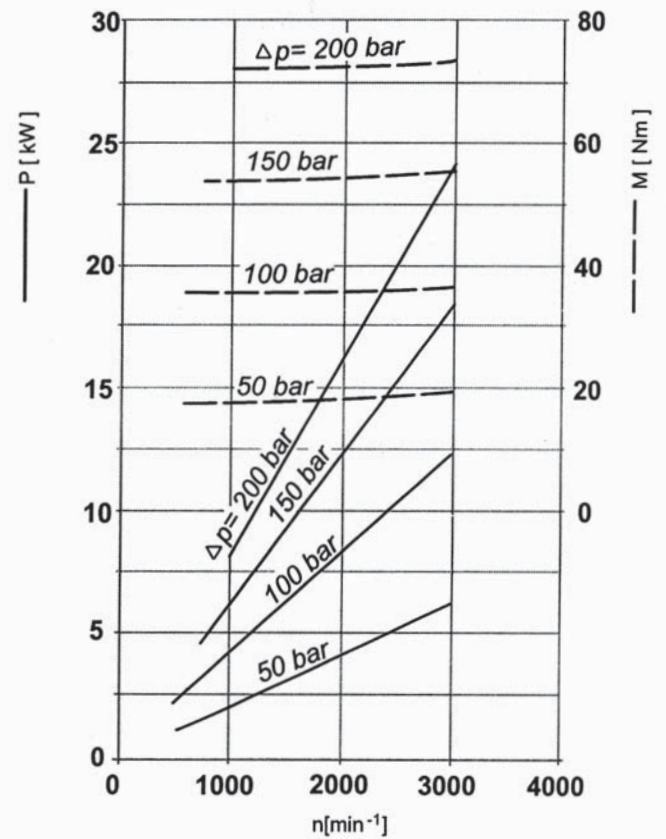
2TK 4 - cm³ 4



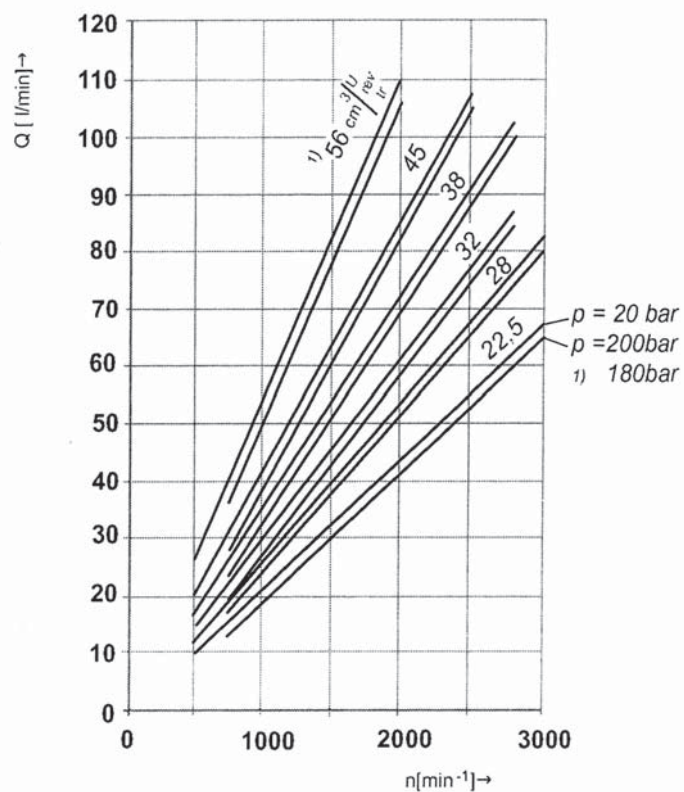
2TK 6 - cm³ 5,5



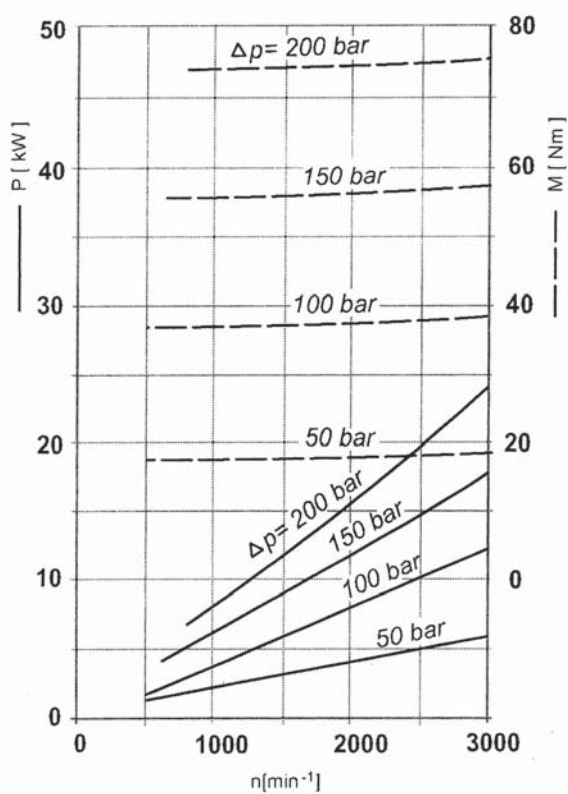
2TK 8 - cm³ 8

2TK 11 - cm³ 11

2TK 14 - cm³ 14

2TK 16 - cm³ 16


2TK 19 - cm³ 19

2TK 22 - cm³ 22,5


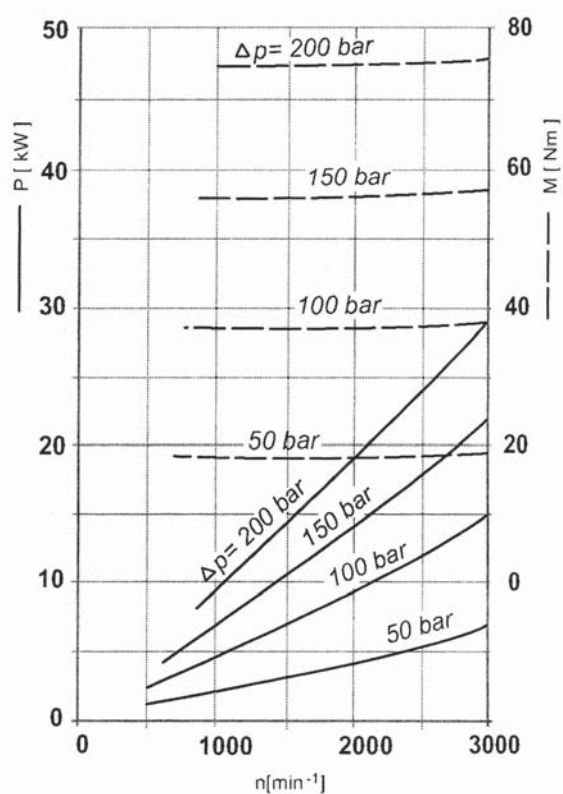
Displacement	cm ³ /rev	4	5.5	8	11	14	16	19	22.5	26
Inlet pressure		min. 0.7 max. 3 (absolute)								
max. continuous pressure p_1	bar	250						210	180	180
max. intermittent pressure p_2		280						230	210	200
max. peak pressure p_3		300						250	230	220
min. rotational speed ≤ 100	min ⁻¹	600	500	500	500	500	500	500	500	500
at bar $100 \dots 180$		1200	1200	1000	1000	800	800	800	800	800
$180 \dots p_2$		1400	1400	1400	1200	1000	1000	1000	1000	1000
max. rotational speed at p_1		3500			3000	2500	2000	2000	2000	2000
p_2		4000			3500	3000	3000	3000	2500	2500



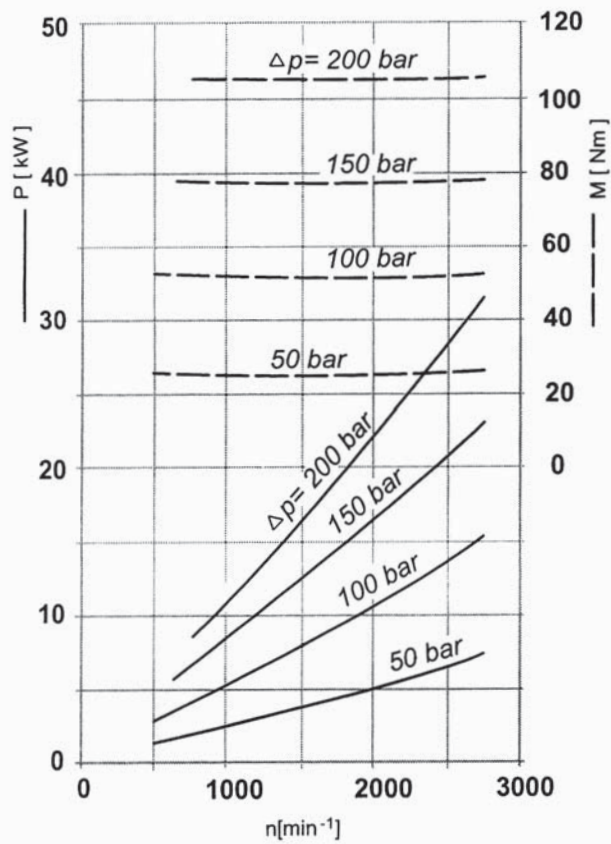
3TK 22 - cm³ 22,5



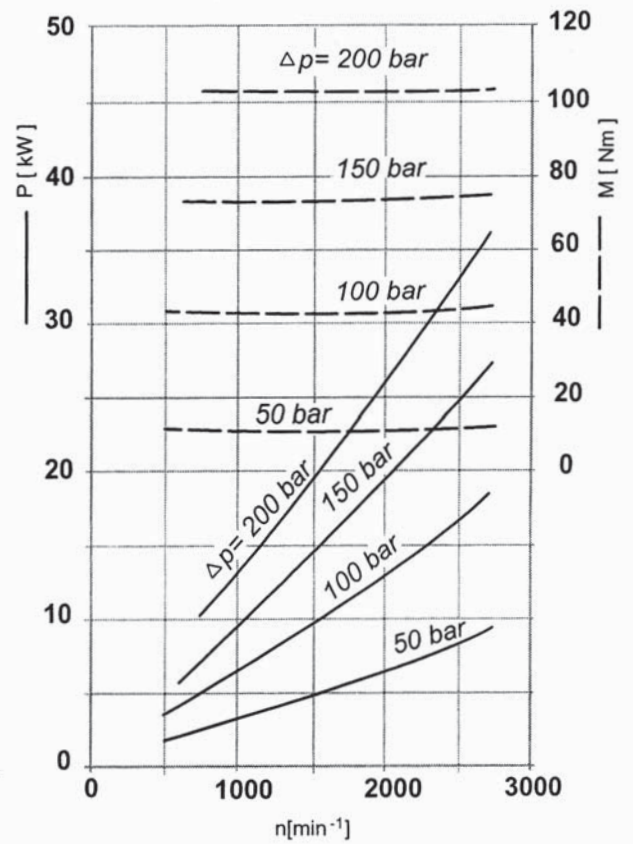
3TK 28 - cm³ 28



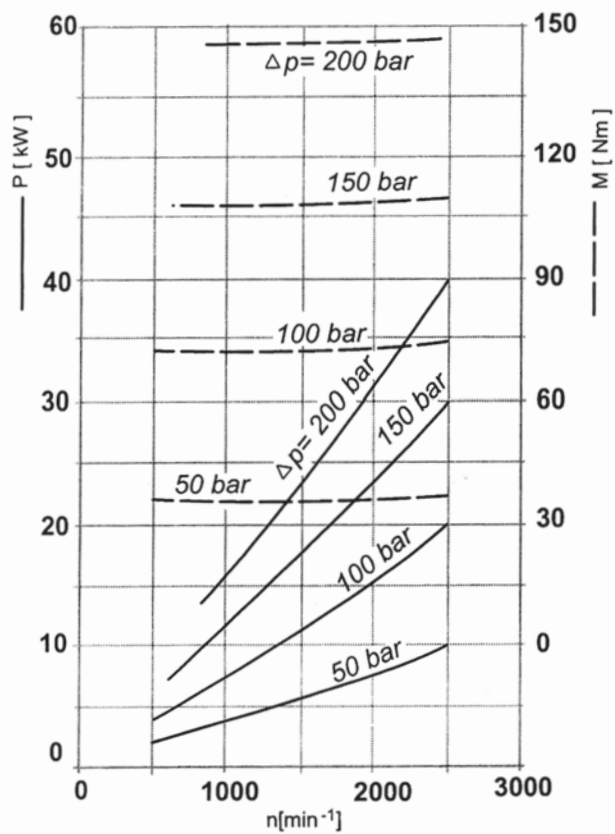
3TK 32 - cm³ 32



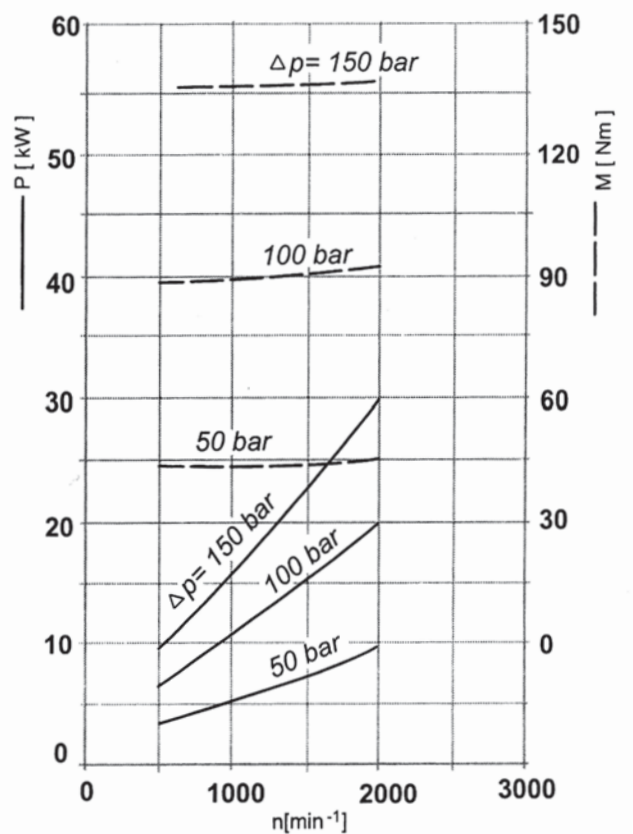
3TK 38 - cm³ 38



3TK 45 - cm³ 45



3TK 56 - cm³ 56



PRESTAZIONI DELLE POMPE AD INGRANAGGI:

1TK (da 1.1 a 8 cm³) - 250 bar GRANDEZZA 1 - PRODUZIONE MARZOCCHI

F2 (da 4 a 19 cm³) - 170 bar GRANDEZZA 2

2TK (da 4 a 26 cm³) - 280 bar GRANDEZZA 2 - PRODUZIONE TK&K MO

3TK (da 22 a 63 cm³) - 200 bar GRANDEZZA 3 - PRODUZIONE TK&K MO

F3 (da 19 a 43 cm³) - 170 bar GRANDEZZA 3

PRESTAZIONI DELLE POMPE 1TK - GRANDEZZA 1 PAG. 44-47

CILINDRATA DISPLACEMENT	PORTATA a 1500 giri/min FLOW at 1500 rev/min	PRESSIONI MASSIME MAX PRESSURE			VELOCITÀ MASSIMA MAX SPEED	DIMENSIONI DIMENSIONS		
		P ₁	P ₂	P ₃		L	M	N
cm ³ /giro (cm ³ /rev)	litri/min (litres/min)	bar	bar	bar	giri/min (rpm)	mm	mm	mm
1,1	1,6	230	250	270	6000	33	74	62
1,3	2,0	230	250	270	6000	33,5	75	63
1,6	2,4	230	250	270	6000	34	76	64
2,1	3,2	230	250	270	6000	35	78	66
2,7	4,0	230	250	270	6000	36	80	68
3,2	4,8	210	230	250	5000	37	82	70
3,7	5,6	210	230	250	4500	38	84	72
4,2	6,4	210	230	250	4000	39	86	74
4,8	7,2	190	210	230	3500	40	88	76
5,8	8,7	190	210	230	3000	42	92	80
8,0	11,9	160	180	200	2100	46	100	88

PRESTAZIONI DELLE POMPE 2TK - GRANDEZZA 2 PAG. 49-89

Displacement		cm ³ /rev	4	5.5	8	11	14	16	19	22.5	26
Inlet pressure		bar	min. 0.7 max. 3 (absolute)								
max. continuous pressure p ₁			250						210	180	180
max. intermittent pressure p ₂			280						230	210	200
max. peak pressure p ₃			300						250	230	220
min. rotational speed at bar	< 100		600	500	500	500	500	500	500	500	500
	100..180		1200	1200	1000	1000	800	800	800	800	800
	180..P2		1400	1400	1400	1200	1000	1000	1000	1000	1000
max. rotational speed at	P1	min ⁻¹	3500			3000	2500	2000	2000	2000	2000
	P2		4000			3500	3000	3000	3000	2500	2500

PRESTAZIONI DELLE POMPE 3TK - GRANDEZZA 3 PAG. 122-127

Displacement		cm ³ /rev	22.2	28	32	38	45	56
Inlet pressure		bar	min. 0.7 max. 3 (absolute)					
max. continuous pressure p ₁			210			200	180	160
max. intermittent pressure P2			250				230	200
max. peak pressure p ₃			270				250	220
min. rotational speed at bar	< 120	min ⁻¹	500					
	120..150		600					
	150..210		800					
max. rotational speed at	P1		2500		2300		2100	1800
	P2		3000		2800		2600	2300

Ulteriori informazioni verranno fornite a richiesta



CONSTRUCTION

External gear pumps -motors-
complete construction -made in Italy-
all materials -made in Italy-
assembled and tested in Italy.

INLET PRESSURE RANGE FOR PUMPS

10/44 psi [0,7 / 3 bar (abs.)]

MAX DRAIN LINE PRESSURE ON THE REVERS-MOTORS- (EXTERNAL DRAIN)

73 psi (5 bar)

MAX BACK PRESSURE ON THE REVERS-MOTORS WITH EXTERNAL DRAIN- (bidirectionals)

<p1 (MAX CONTINUOLIS press.)
<2175 psi (<150 bar)

FLUID TEMPERATURE RANGE

SEALS N (NBR) (-20° C ÷ +80° C)
SEALS V (VITON) (-25° C ÷ +110° C)

V= VITON- SEAL PUMPS SUITABLE FOR FLUID hi- temperature 110/ 115° C

FLUID

MINERAL OIL BASED HYDRAULIC FLUID TO
ISO/DIN

VISCOSITÀ CINEMATICA DEL FLUIDO

ALLOWED VALUE 6 ÷ 500 cSt
RECOMENDED VALUE 10 ÷ 100 cSt
VALUE ALLOWED AT STARTUP <200 cSt

INLET PRESSURE

min. 0,7 bar (absolute)
MAX. 3 bar (absolute)

MIN- ROTATION SPEED

SIZE 1	FROM (1 TO 2 cc)	100 REV. min.
	FROM (3 TO 4 cc)	800 REV. min.
	FROM (5 TO 8 cc)	600 REV. min.
SIZE 2	FROM (4 TO 11 cc)	600 REV. min.
	FROM (14 TO 26 cc)	700 REV. min.
SIZE 3		800 REV. min.

MAX ROTATION SPEED

SIZE 1	FROM (1 TO 3 cc)	6000 REV. min.
	FROM (3 TO 4 cc)	4500 REV. min.
	FROM (5 TO 8 cc)	3000 REV. min.
SIZE 2	FROM (4 TO 8 cc)	3500 REV. min.
	FROM (11 TO 14 cc)	3000 REV. min.
	FROM (16 TO 22 cc)	2500 REV. min.
	FROM (22 TO 26 cc)	2200 REV. min.
SIZE 3	FROM (22 TO 28 cc)	2800 REV. min.
	FROM (32 TO 38 cc)	2300 REV. min.
	FROM (45 TO 63 cc)	2000 REV. min.

MULTIPLE PUMPS

TK&K pumps can be coupled together in combination, where the input power requirements of each section varies, that with the greater requirement must be at the drive shaft end, and progressively smaller to the rear.

Features and performances are the same as the corresponding single pump, but pressures must be limited by the transmissible torque of the drive and connecting shafts. To the appropriate data, use the formula below.

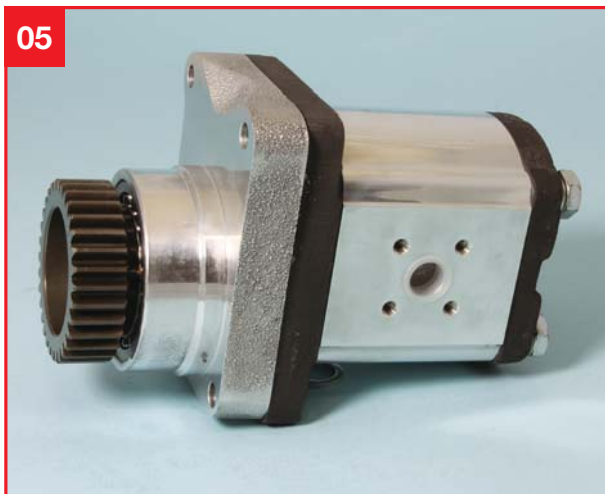
$$M = CP \frac{(\text{bar}) * V (\text{Cm}^3/\text{rev})}{62,83 * n} \quad [\text{Nm}]$$

M=	(Nm)	TORQUE
V=	(cm ³ / rev.)	DISPLACEMENT
AP=	(bar)	PRESSURE
Nm=	nm (V, AP, n)	(=0,88) MECHANICAL EFFICIENCY

DRIVE SHAFT SELECTION

The torque absorbed from the shaft of the first pump results from the sum of the torques due to all single stages. The achieved value must not exceed the maximum torque limit given for the shaft of the first pump.

05



SAME

06



07



08



09



10



IHC

11



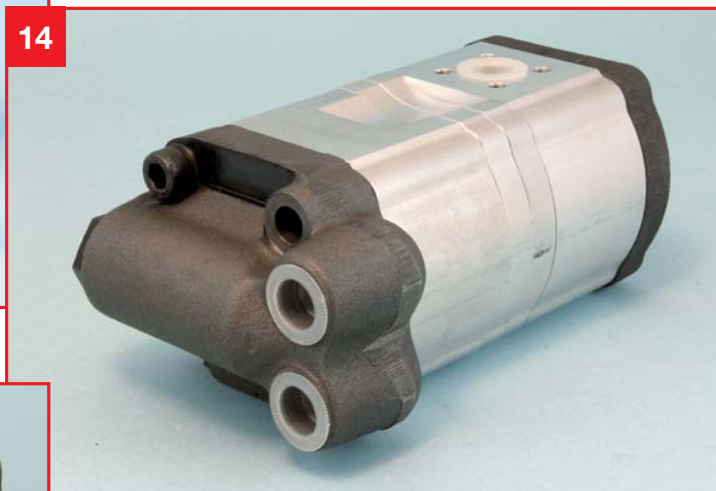
12



13



14



15

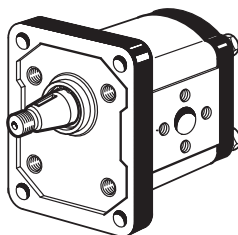


16



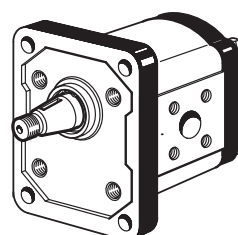
POMPE GRUPPO 1 serie 1TK

1TK-FP



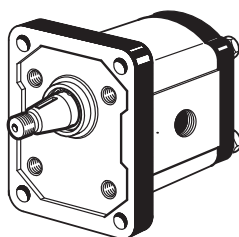
Pag. 45

1TK-FB



Pag. 44

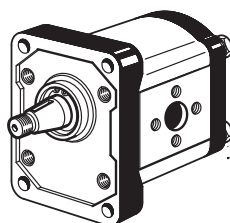
1TK FG



Pag. 46

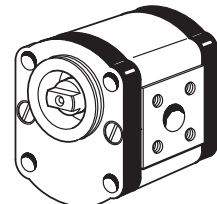
MOTORI BIDIREZIONALI serie 2TK

2TK-MB



Pag. 87

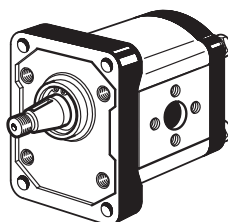
2TK MB-ME



Pag. 86

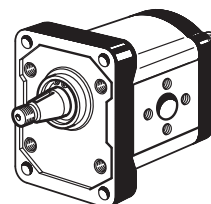
POMPE GRUPPO 2 serie 2TK

2TK



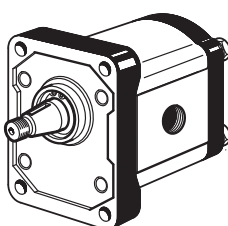
Pag. 49

2TK UNC



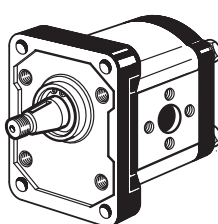
Pag. 54

2TK FG



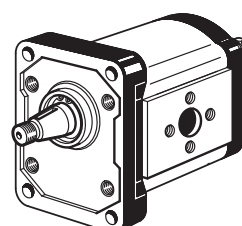
Pag. 46

2TK corta



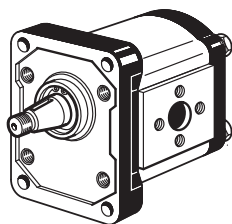
Pag. 50

2TK A



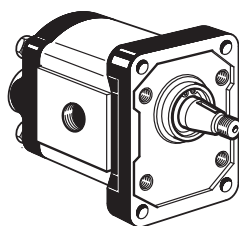
Pag. 52

2TK Landini



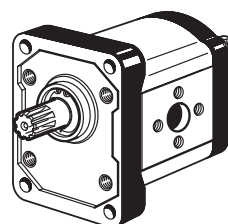
Pag. 51

2TK UP



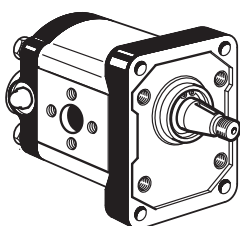
Pag. 53

2TK BSPP



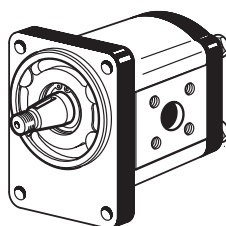
Pag. 66

2TK VS



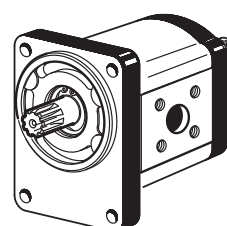
Pag. 56

2TK BC



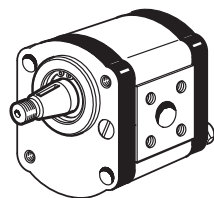
Pag. 67

2TK BS



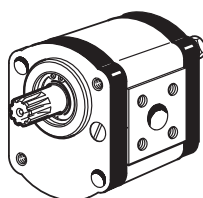
Pag. 68

2TK DEU



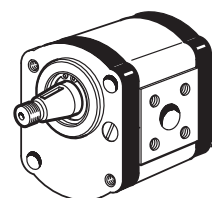
Pag. 69

2TK DEU SC



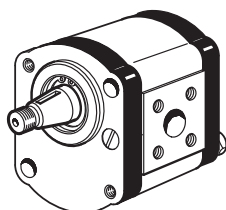
Pag. 70

2TK INT



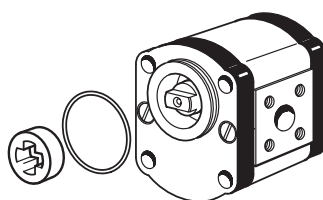
Pag. 71

2TK INT-CA



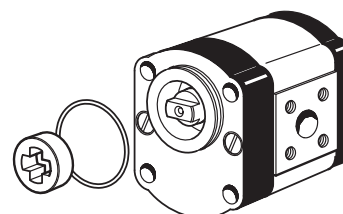
Pag. 71

2TK ME



Pag. 72

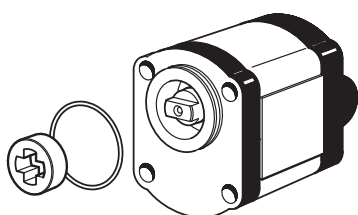
2TK ME P



CON PARAOLIO

Pag. 73

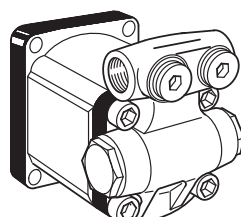
2TK ME UP



USCITE POSTERIORI

Pag. 74

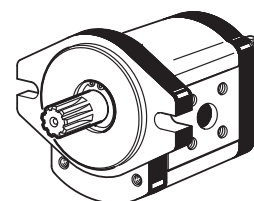
2TK RFC



CNH

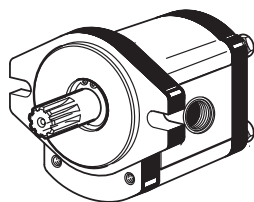
Pag. 57

2TK SAE CB



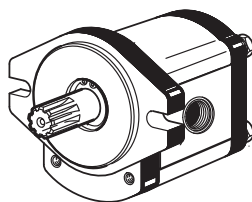
Pag. 75

2TK SAE UNF



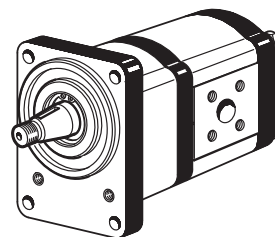
Pag. 77

2TK SAE G



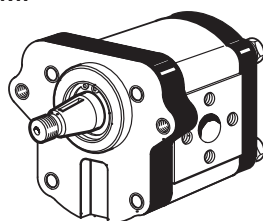
Pag. 76

2TK TI



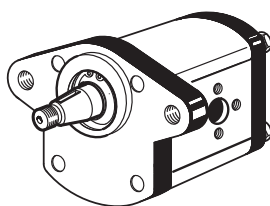
SUPPORTO CUSCINETTI Pag. 78

2TK-MF



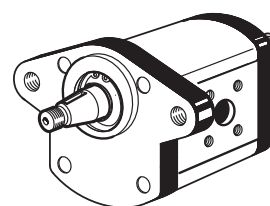
MASSEY FERGUSSON Pag. 81

2TK MF2 FP



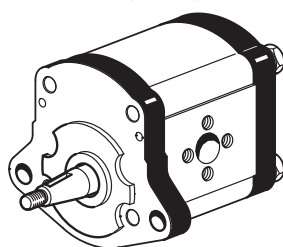
MASSEY FERGUSSON Pag. 82

2TK MF2 CB



Pag. 85

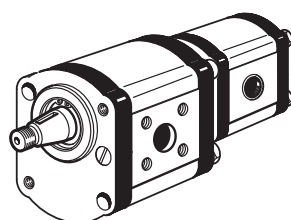
334 2TK CA.R (16cc)



Pag. 79

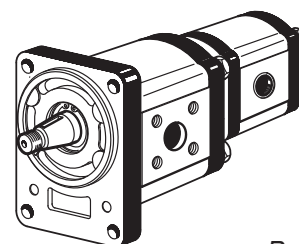
POMPE GRUPPO 21
serie 21TK

21TK DEU



Pag. 89

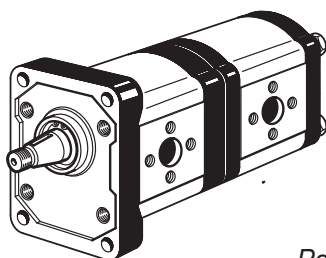
21TK BC



Pag. 88

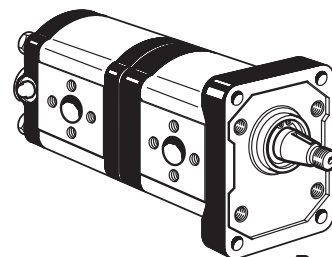
POMPE GRUPPO 2+2 serie 22TK

22TK



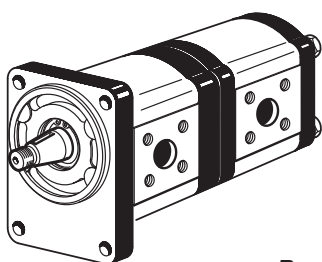
Pag. 92

22TK VS



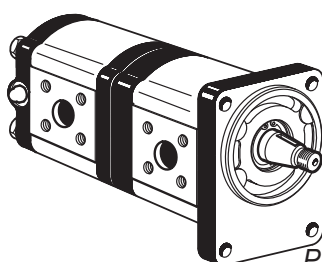
Pag. 94

22TK BC



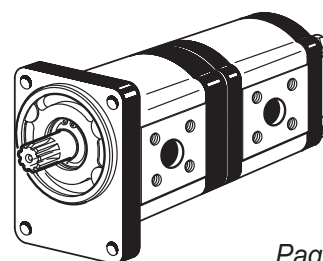
Pag. 96

22TK BC VS



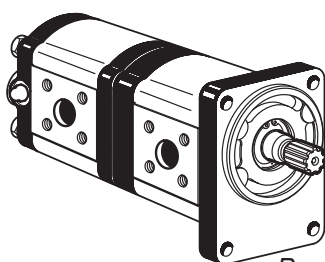
Pag. 98

22TK BS



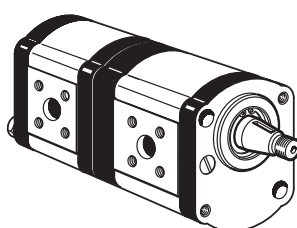
Pag. 100

22TK BS VS



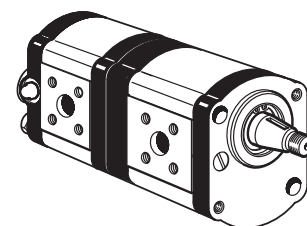
Pag. 102

22TK DEU



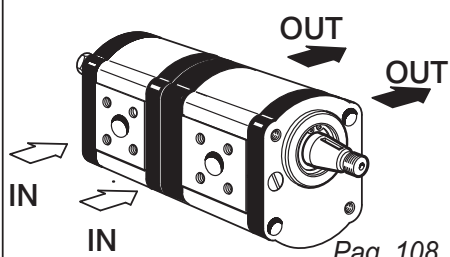
Pag. 104

22TK DEU VS



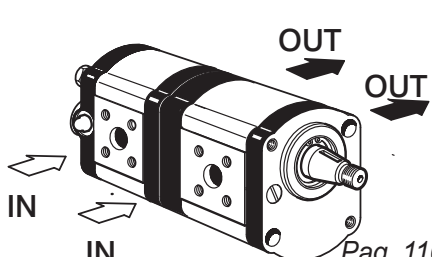
Pag. 106

22TK INT



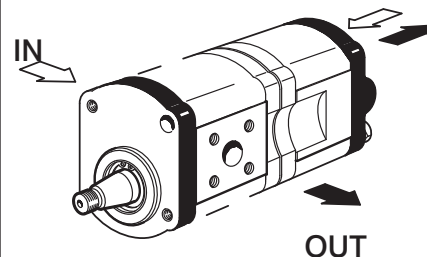
Pag. 108

22TK INT VS

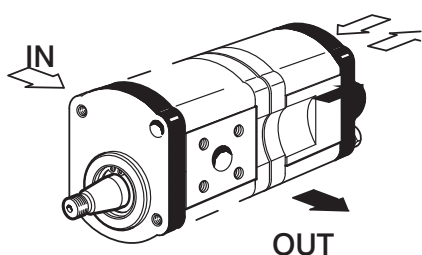


Pag. 110

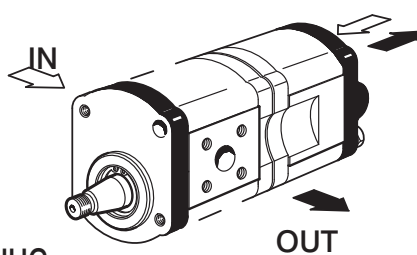
22TK-INT39.UA-CA-UP



22TK-INT.UA-UP

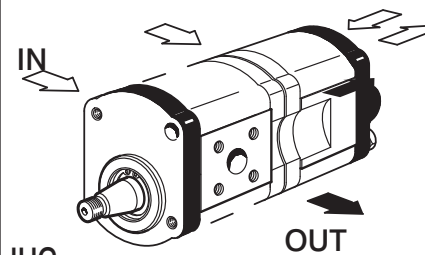


22TK-INT.UA-UP-V



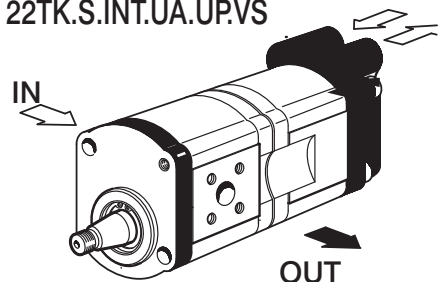
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22TK-INT.UP-V



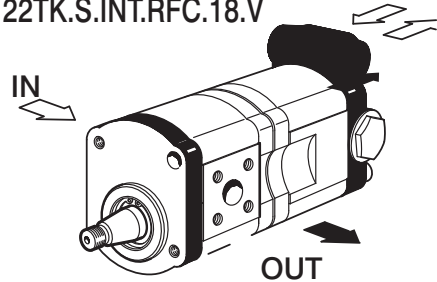
IHC

22TK.S.INT.UA.UP.VS



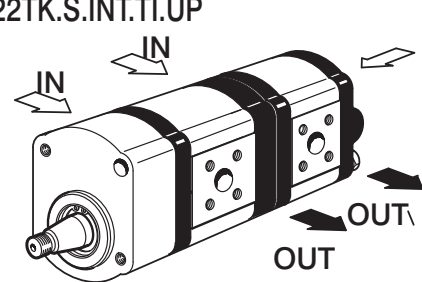
IHC

22TK.S.INT.RFC.18.V



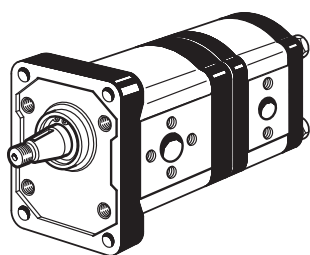
IHC

22TK.S.INT.TI.UP



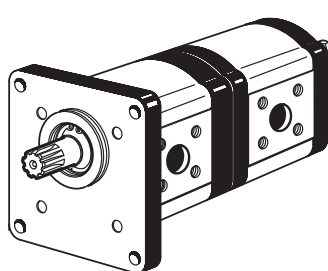
IHC

22TK.S.NH

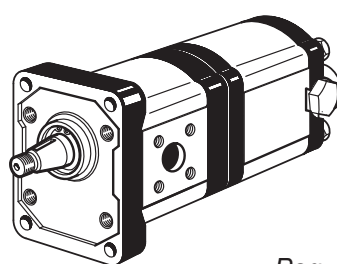


CNH

22TK CNH

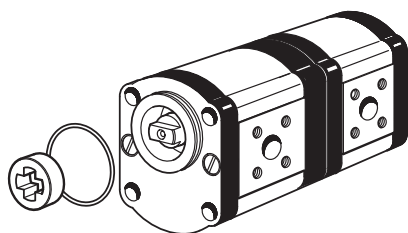


22TK 4+11 D-CB-UA-VX-VS150



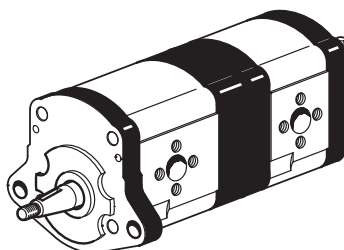
Pag. 114

22TK ME



Pag. 112

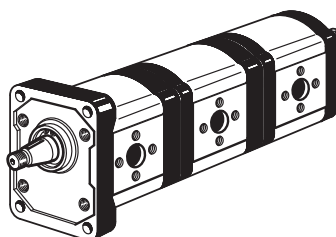
323 22TK CA.R (14+8cc)



RENAULT

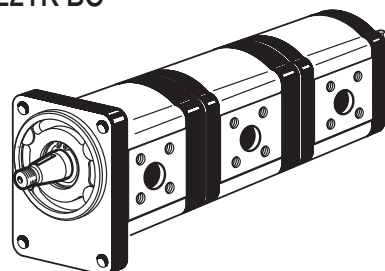
**POMPE GRUPPO 2+2+2
serie 222TK**

222TK



Pag. 118

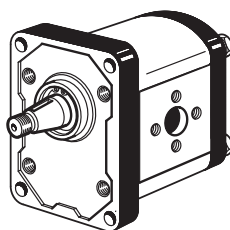
222TK BC



Pag. 120

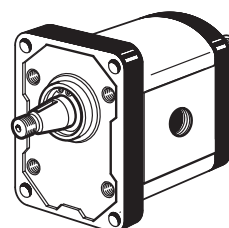
POMPE GRUPPO 3 serie 3TK

3TK



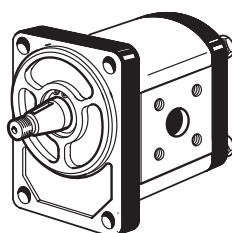
Pag. 122

3TK FG



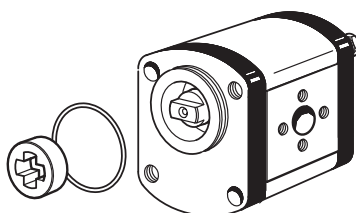
Pag. 123

3TK BC



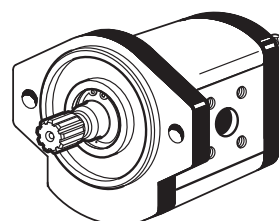
Pag. 124

3TK ME



Pag. 126

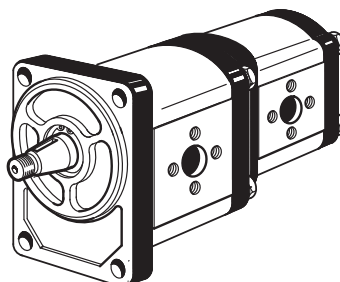
3TK SAE B



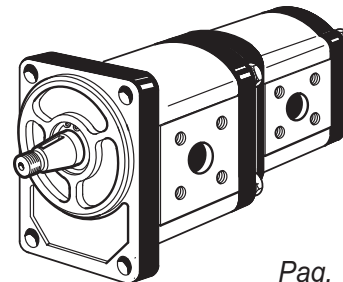
Pag. 127

POMPE GRUPPO 3+2 serie 32TK

32TK BC-FP

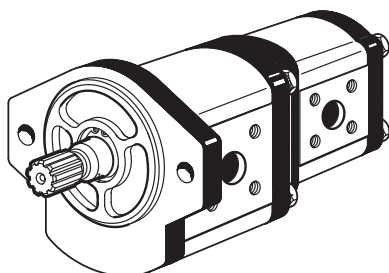


32TK BC

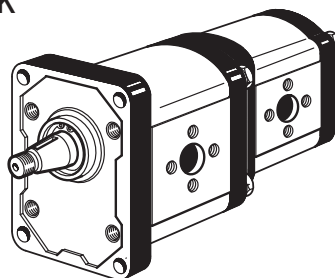


Pag. 130

32TK D-SAE-CB



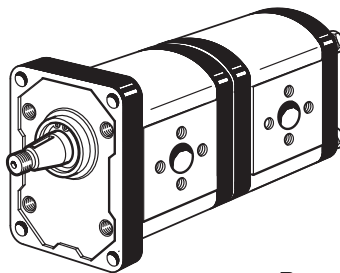
32TK



Pag. 128

POMPE GRUPPO 3+3
serie 33TK

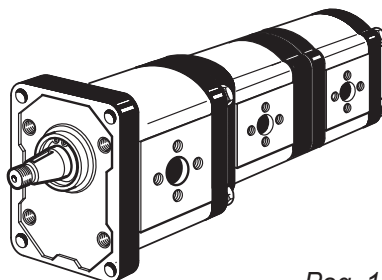
33TK



Pag. 134

POMPE GRUPPO 3+2+2
serie 322TK

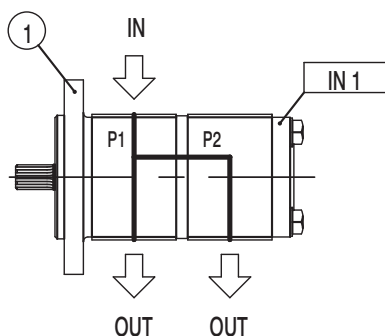
322TK



Pag. 132

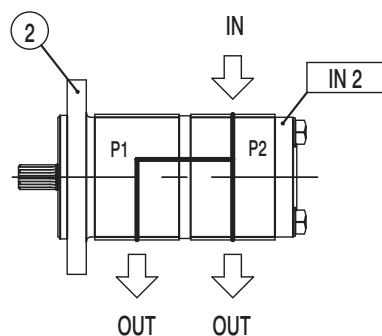
ALCUNE SOLUZIONI

TYPE - IN 1 -



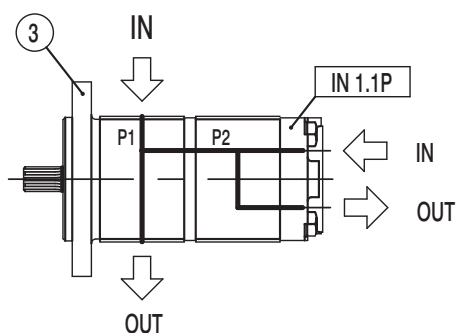
① UNICA ASPIRAZIONE "IN" SU 1^a

TYPE - IN 2 -



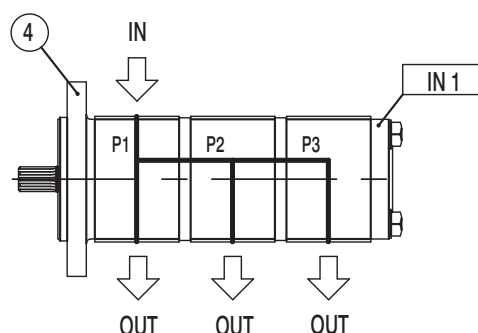
② UNICA ASPIRAZIONE "IN" SU 2^a

TYPE - IN 1.1P -



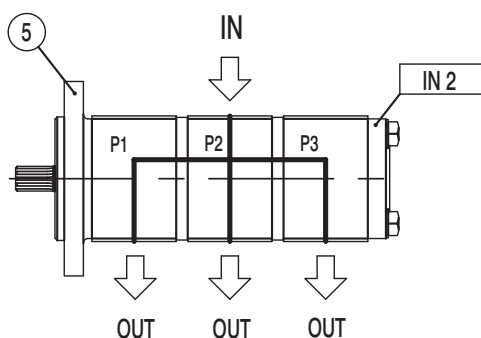
③ ASPIRAZIONE SU 1^a e 2^a (Posteriore)

TYPE - IN 1 -



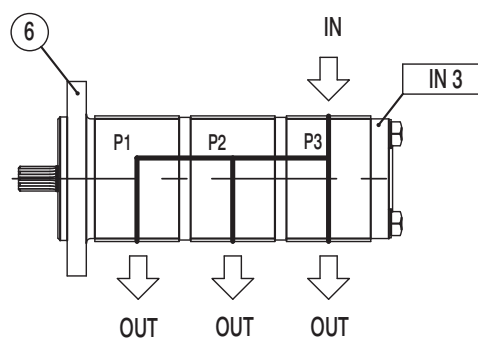
④ ASPIRAZIONE SU 1^a

TYPE - IN 2 -



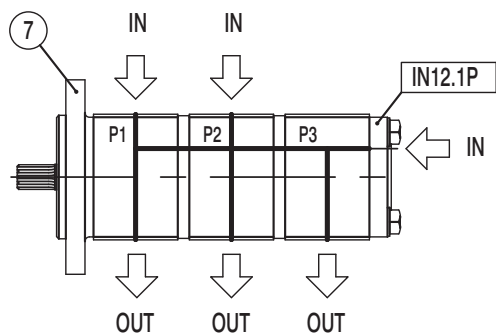
⑤ ASPIRAZIONE SU 2^a

TYPE - IN 3 -



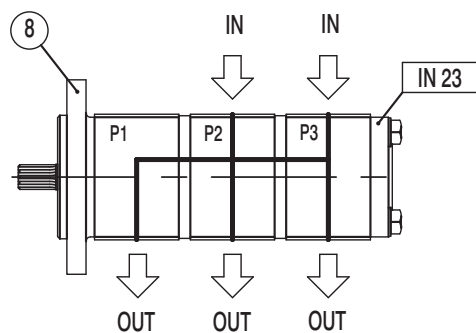
⑥ ASPIRAZIONE SU 3^a

TYPE - IN 12.1P -



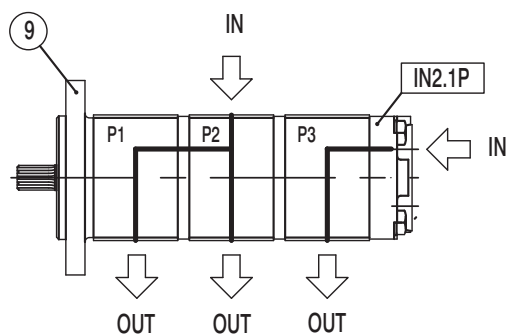
⑦ ASPIRAZIONE SU 1^a e 2^a e 3^a Posteriore

TYPE - IN 23 -



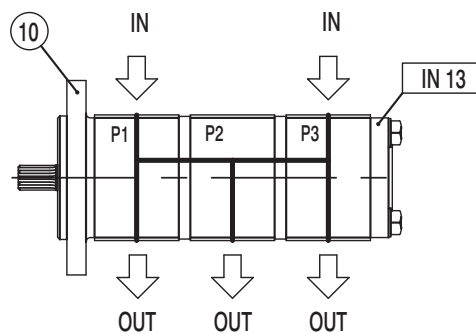
⑧ ASPIRAZIONE SU 2^a e 3^a

TYPE - IN 2.1P -



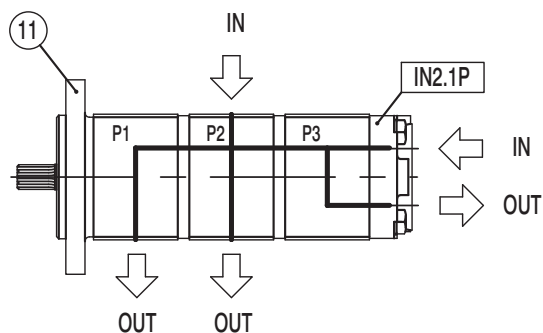
⑨ ASPIRAZIONE SU 2^a e Posteriore

TYPE - IN 13 -



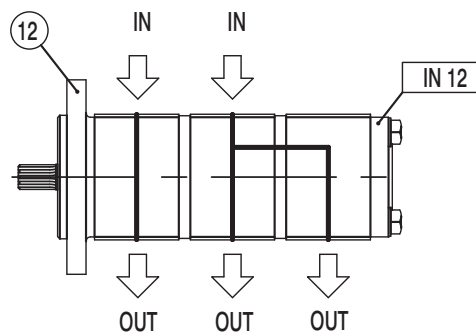
⑩ ASPIRAZIONE SU 1^a e 3^a

TYPE - IN 2.1P -



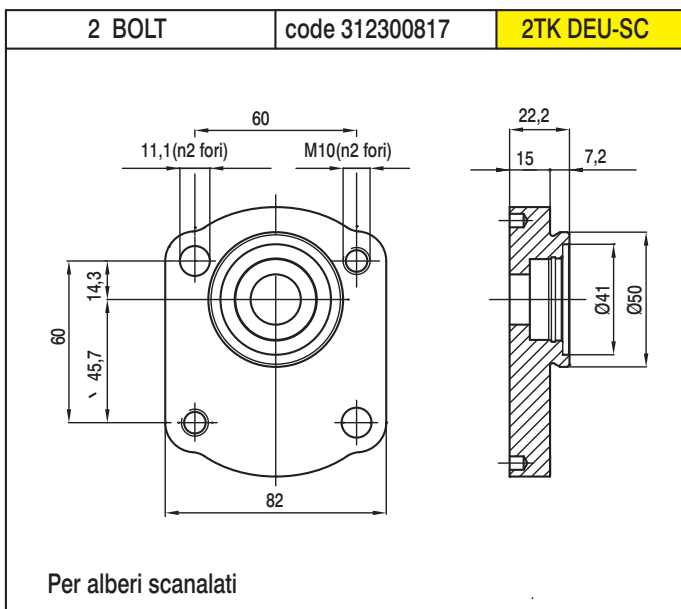
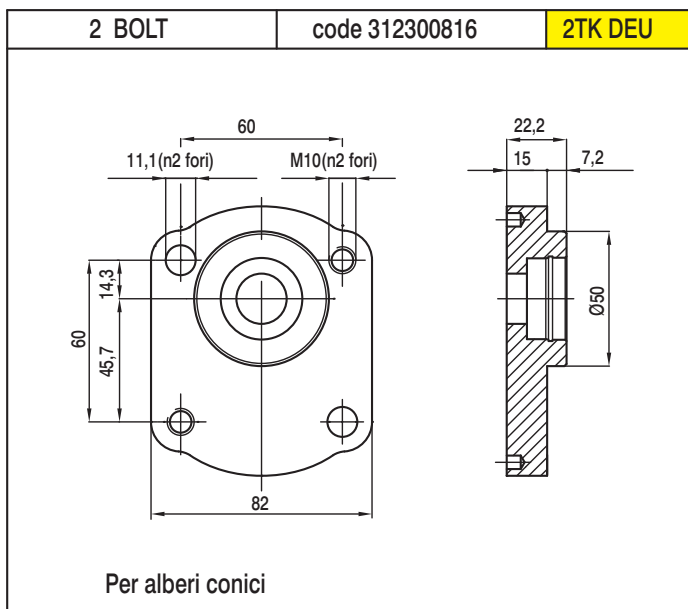
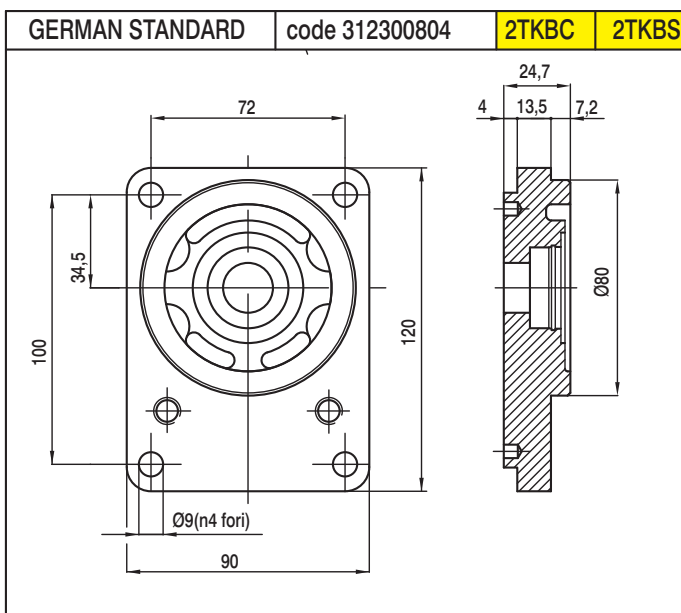
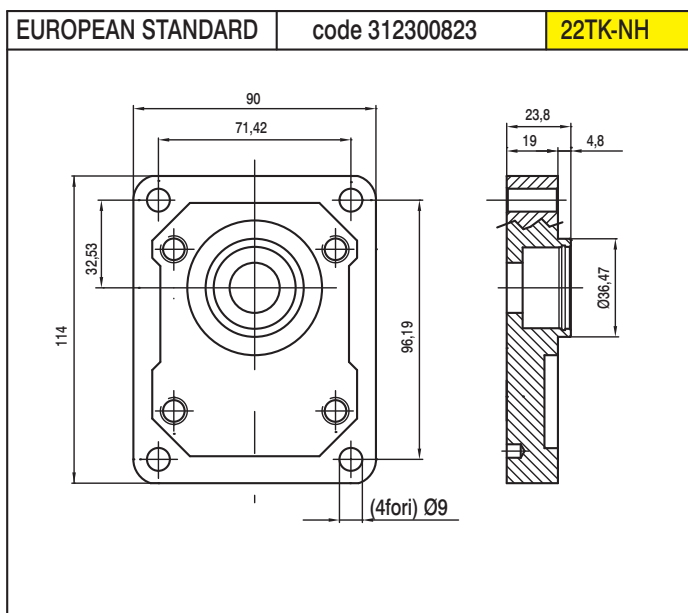
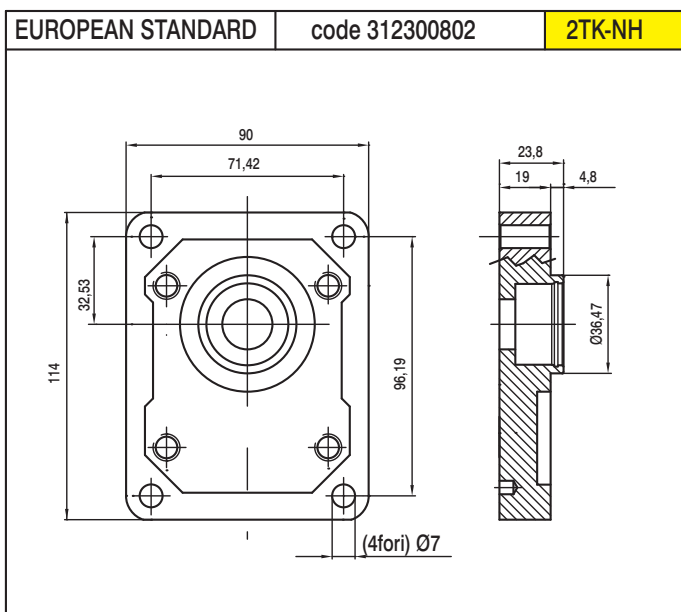
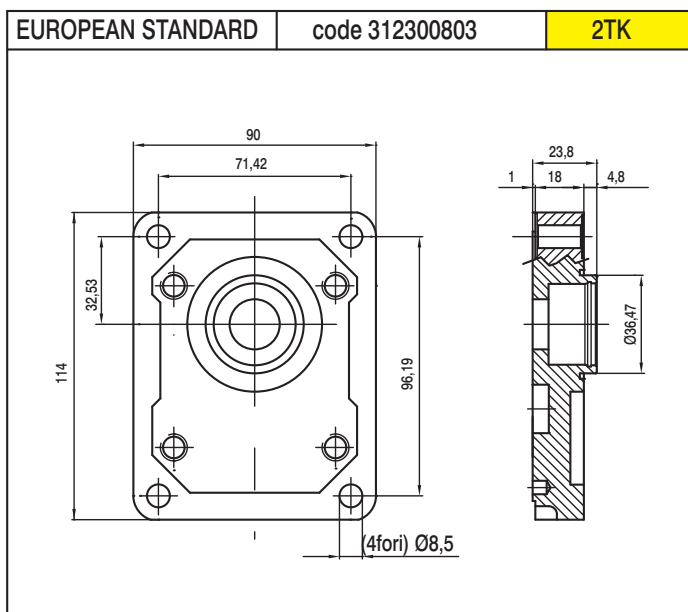
⑪ ASPIRAZIONE SU 2^a e Posteriore

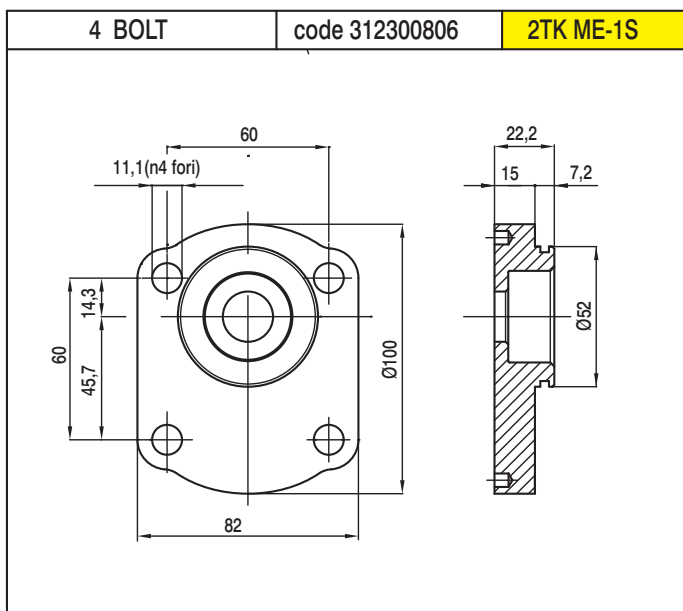
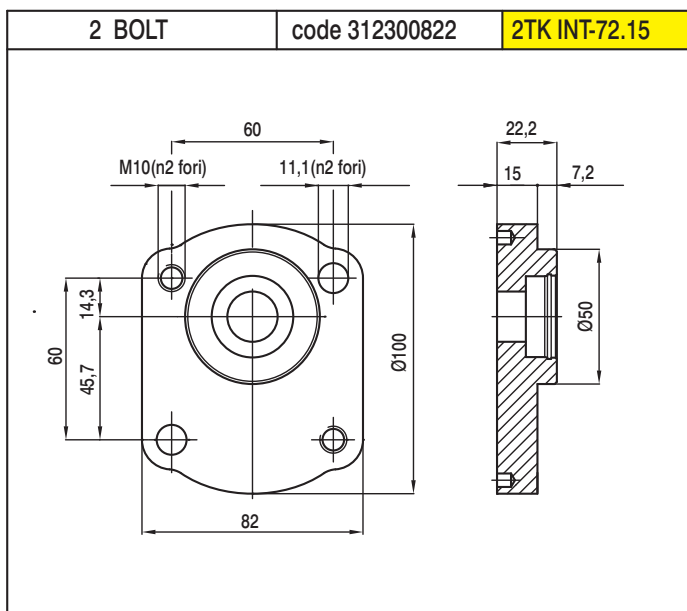
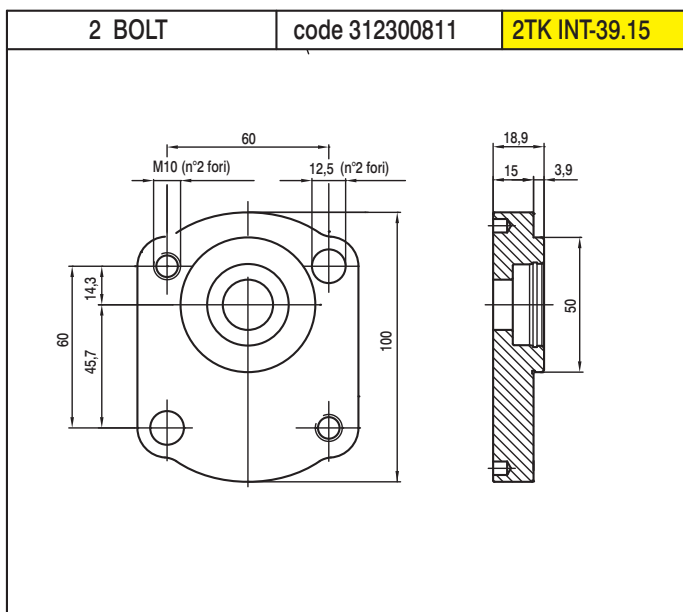
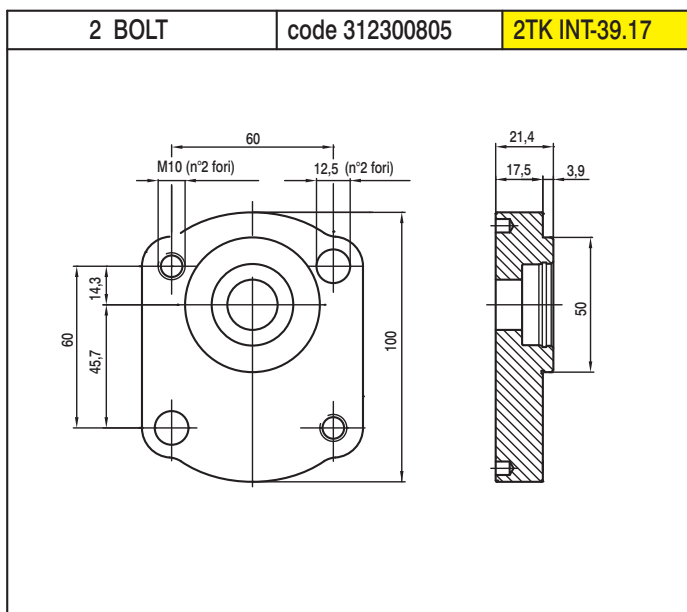
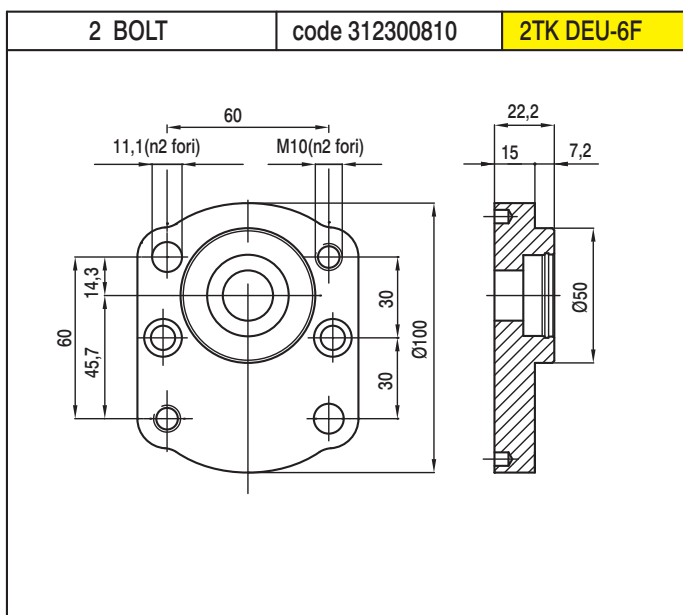
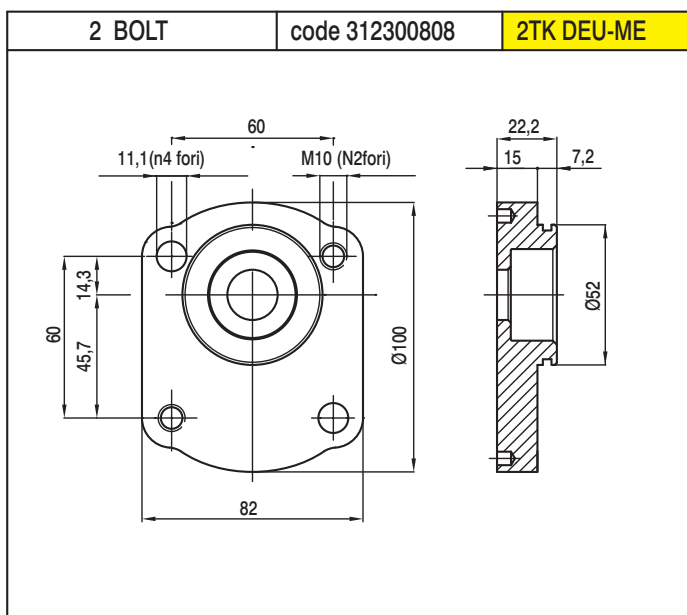
TYPE - IN 12 -

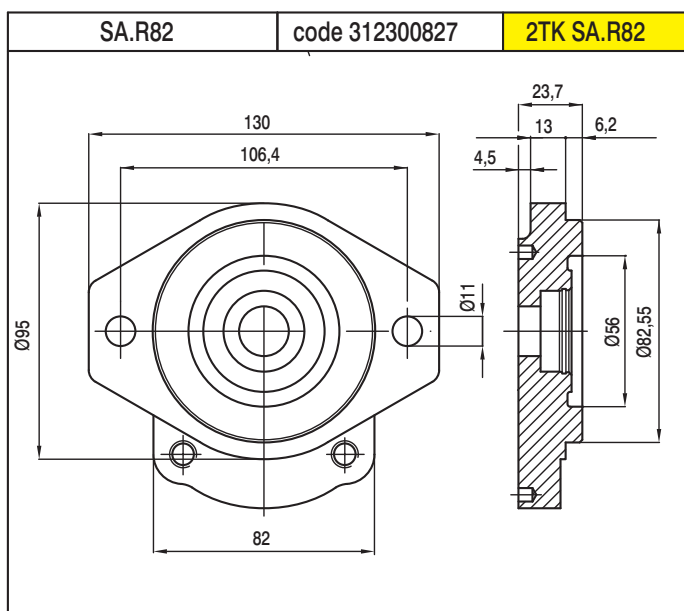
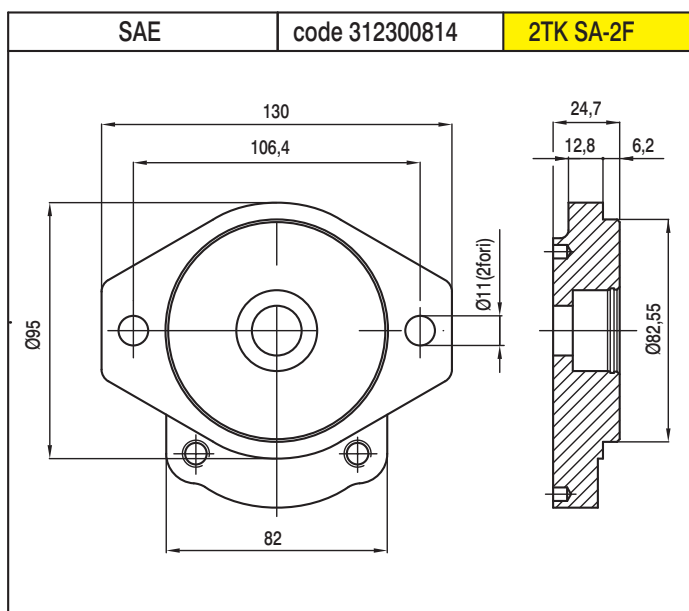
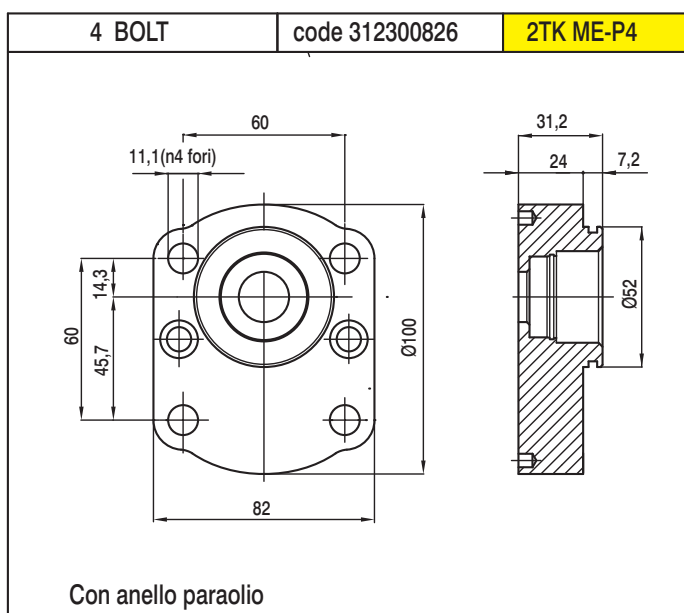
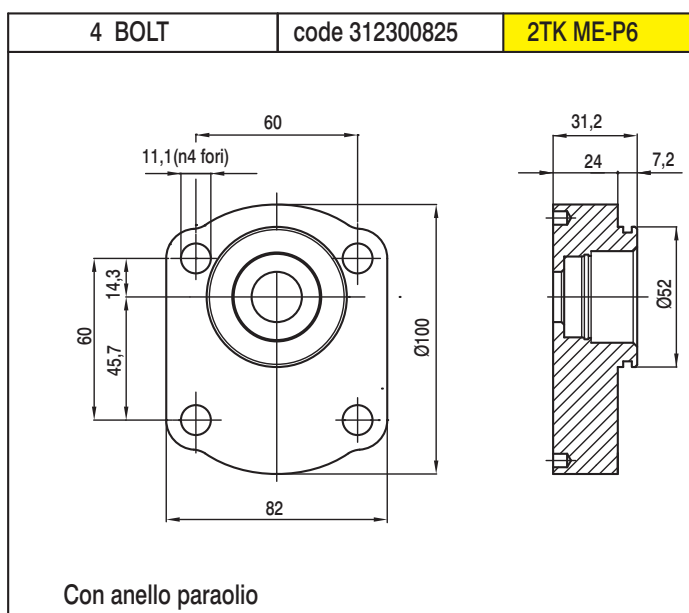
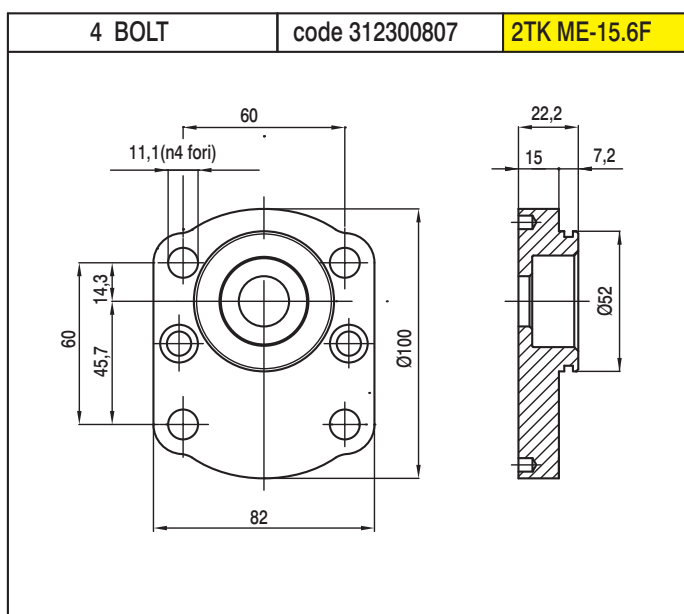
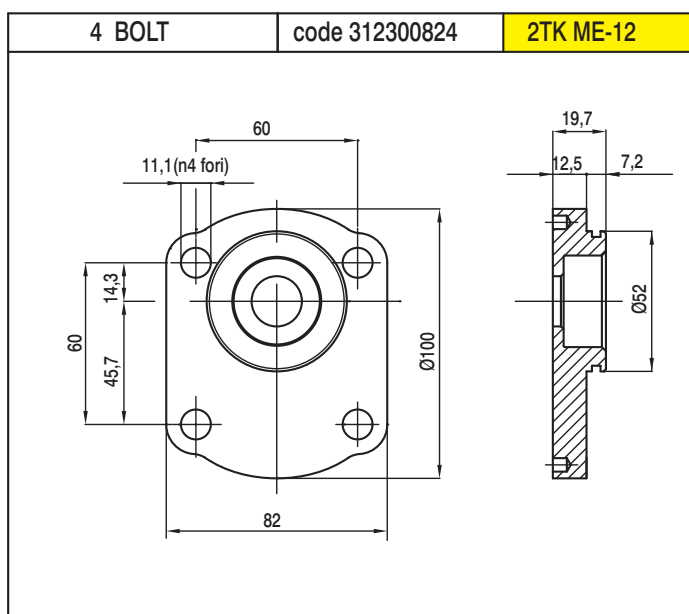


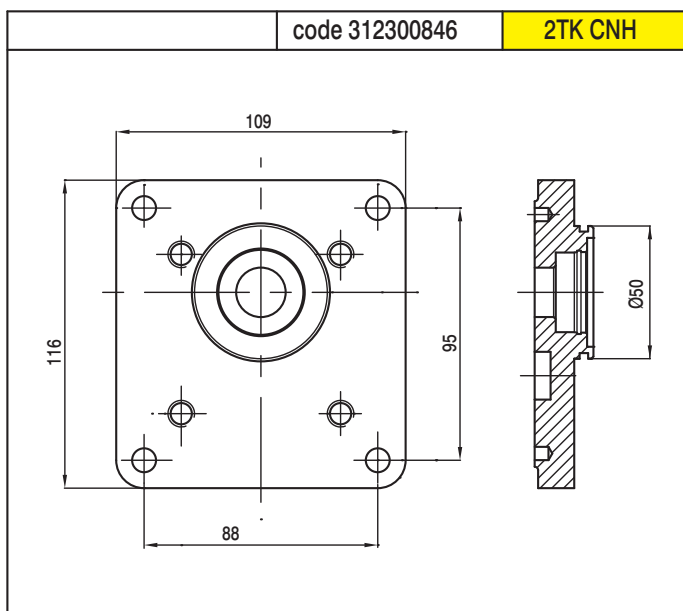
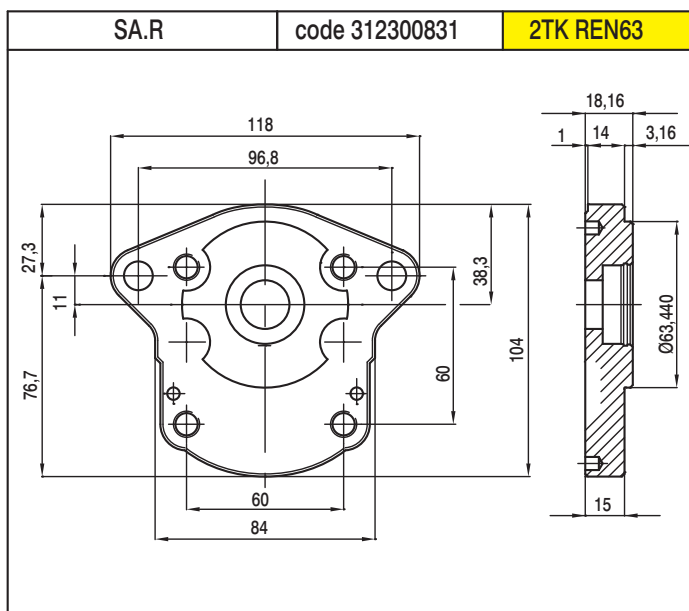
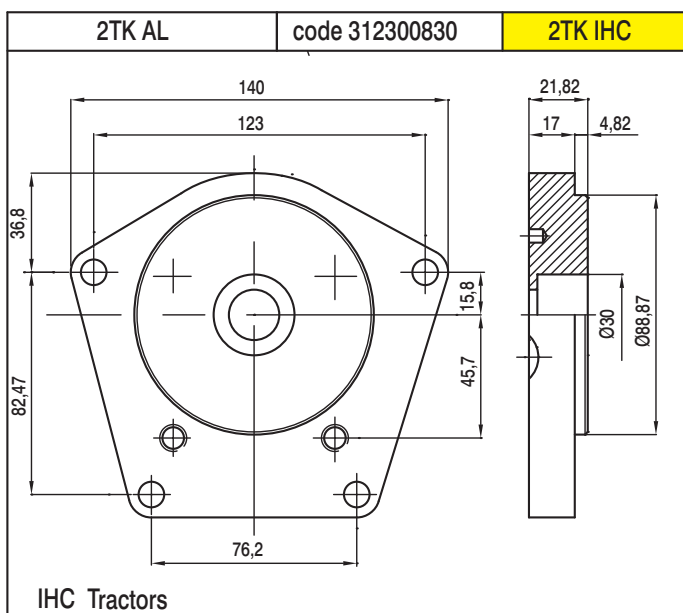
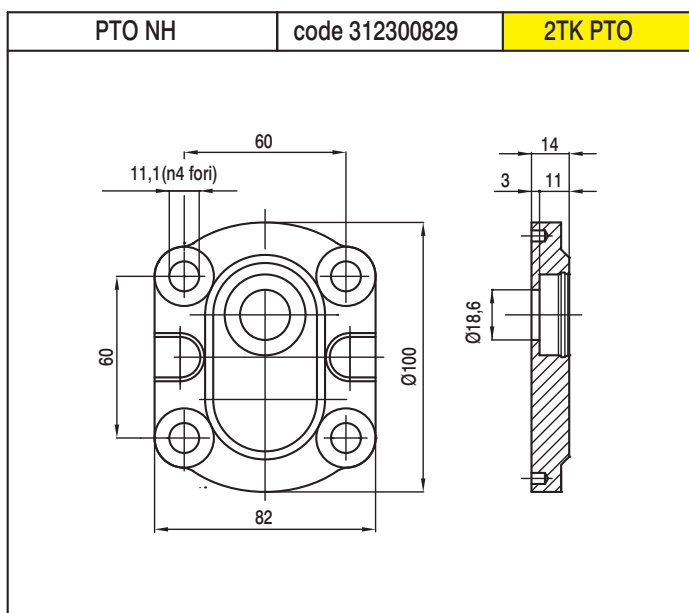
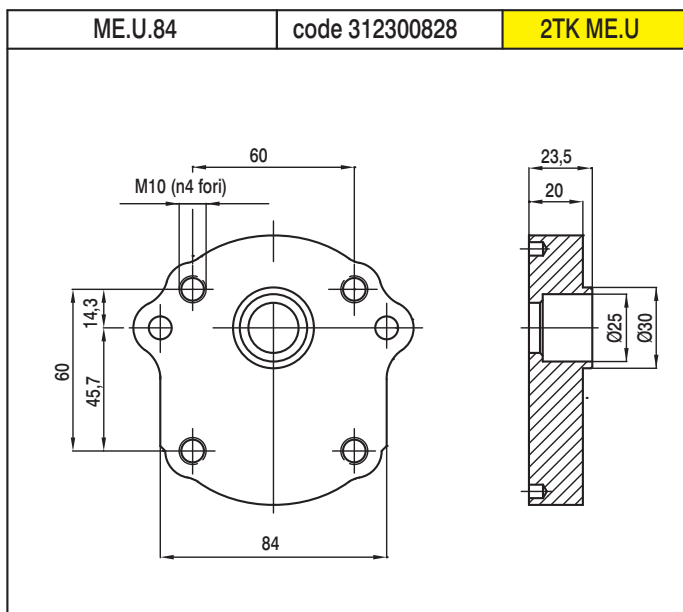
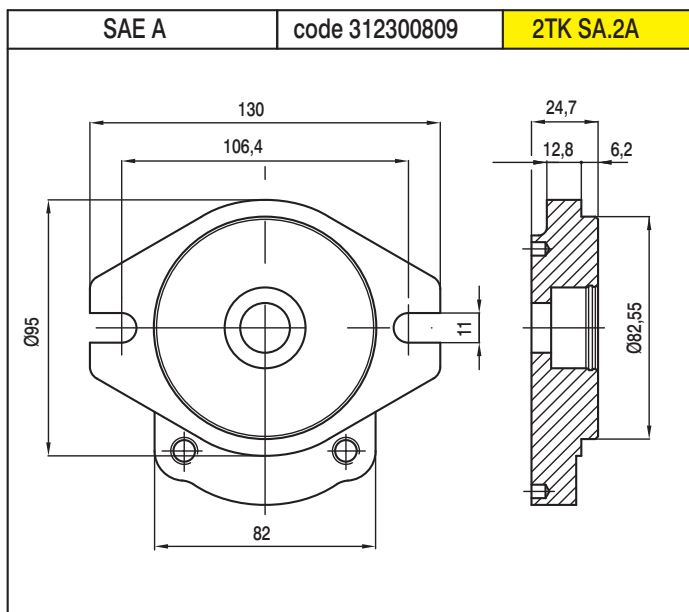
⑫ ASPIRAZIONE SU 1^a e 2^a

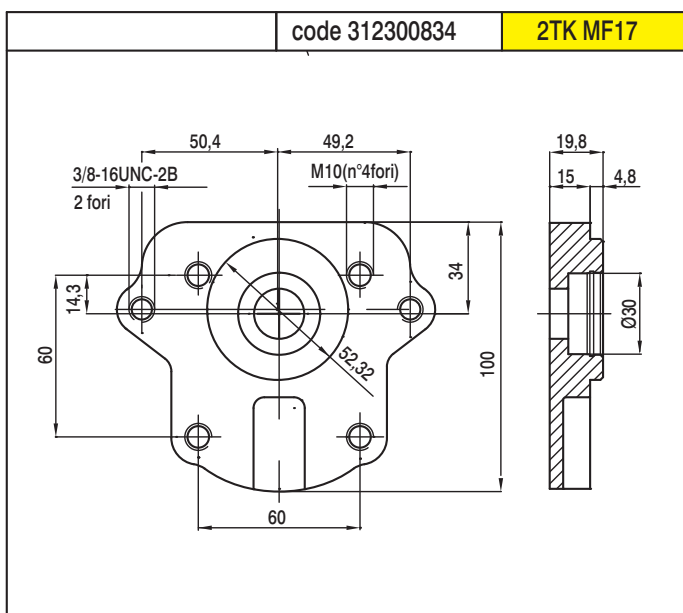
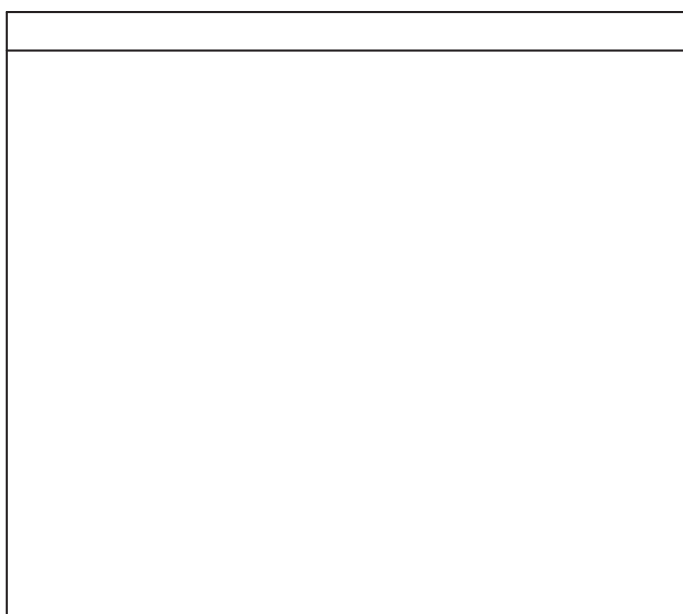
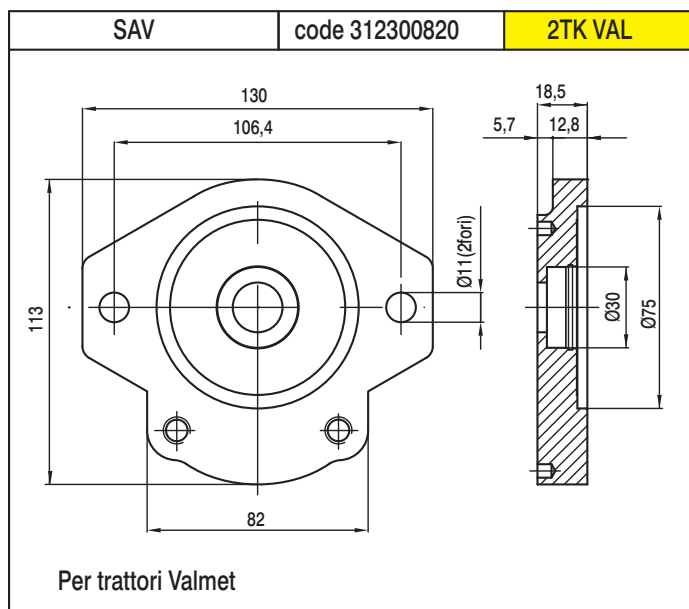
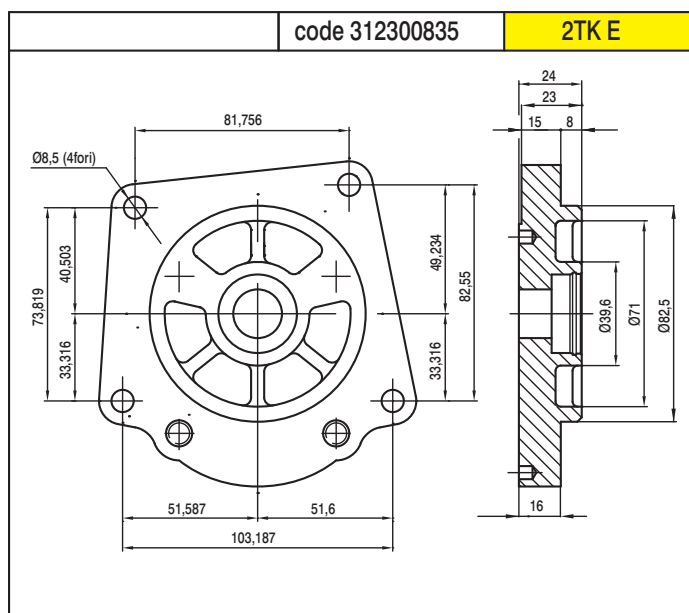
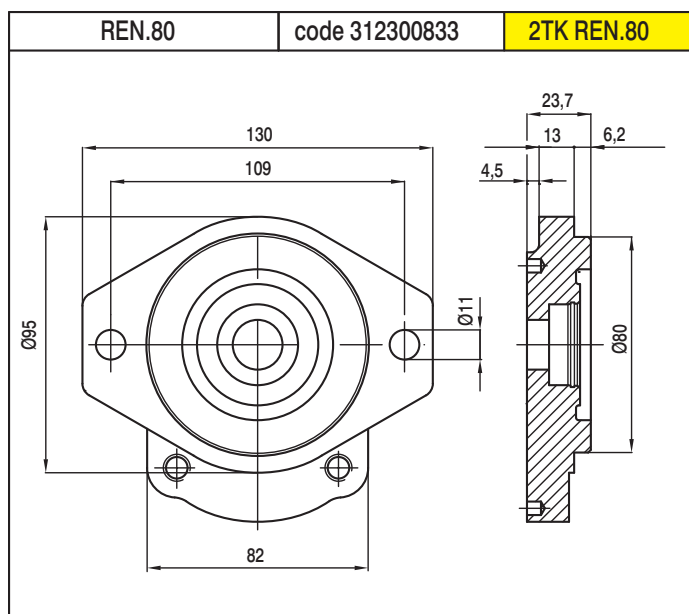
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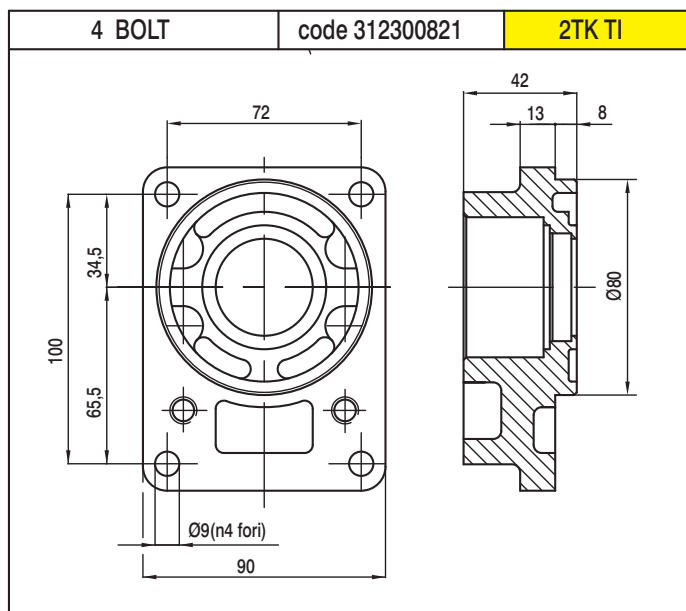
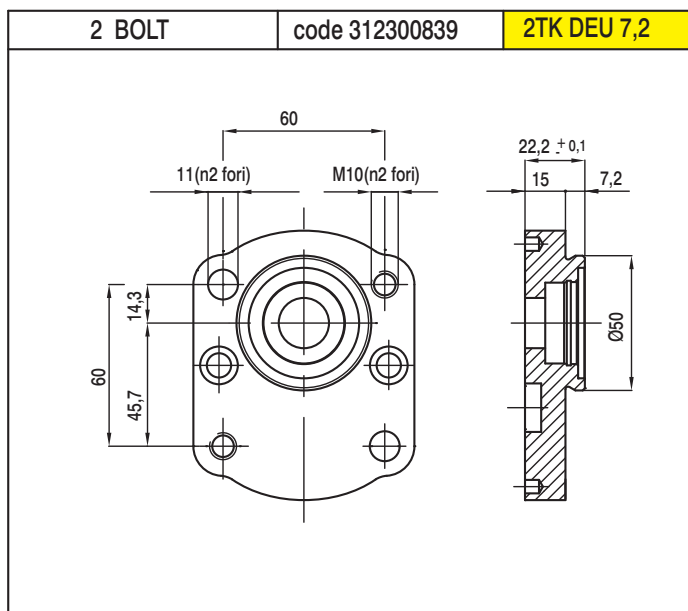
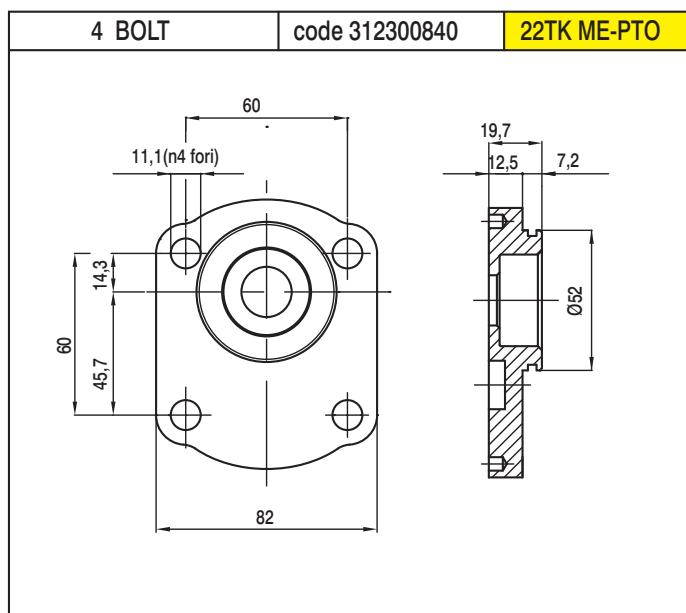
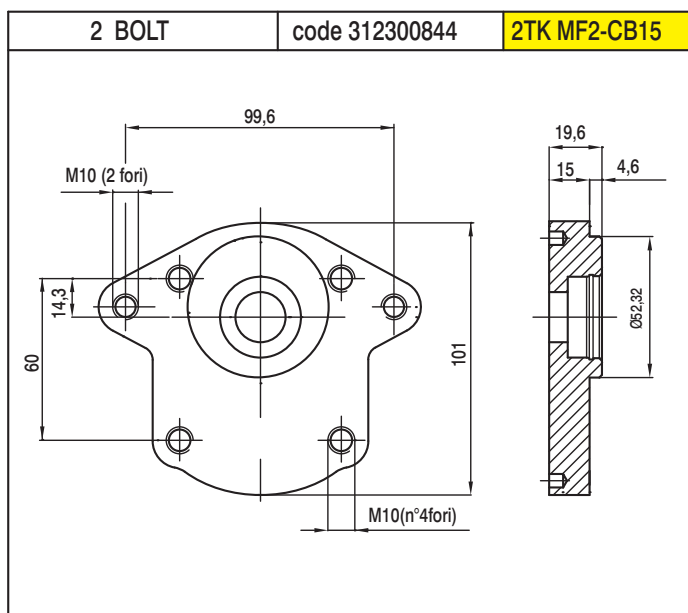
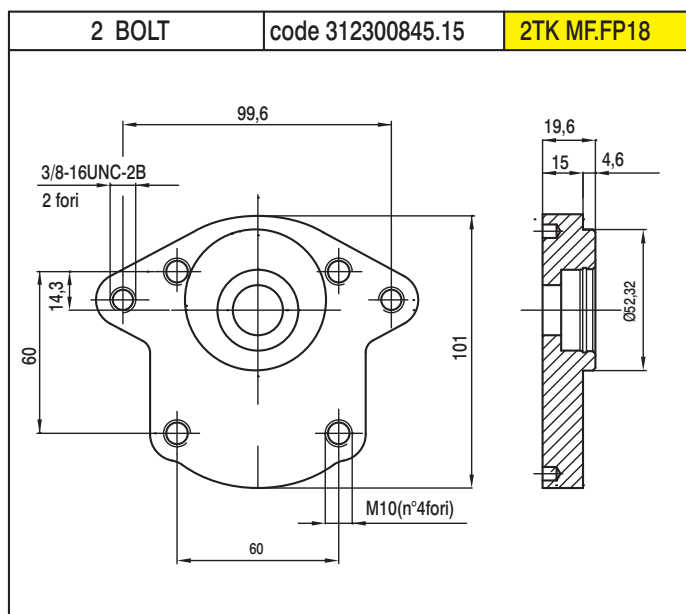
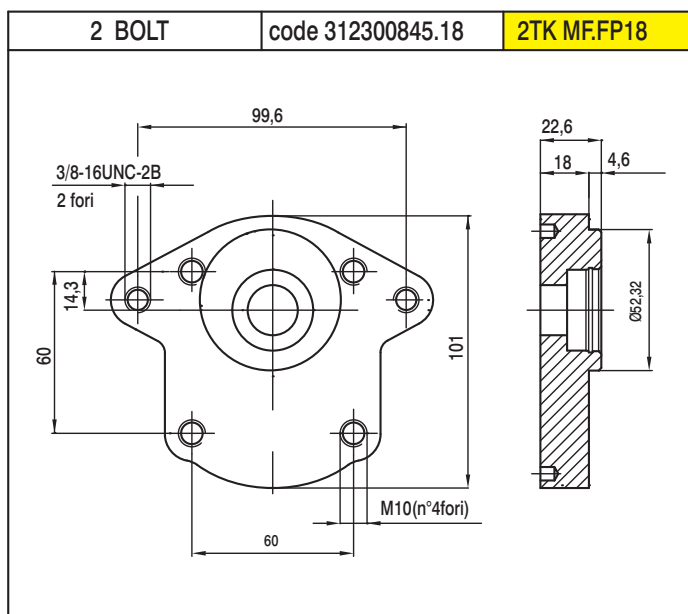


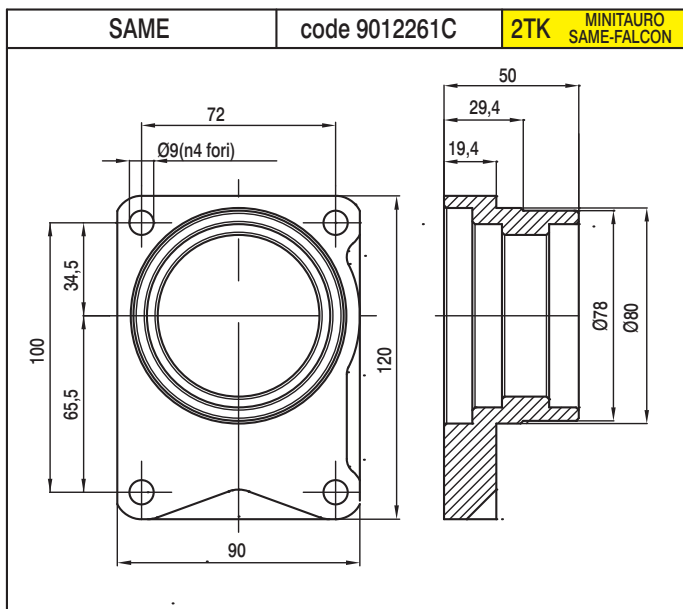
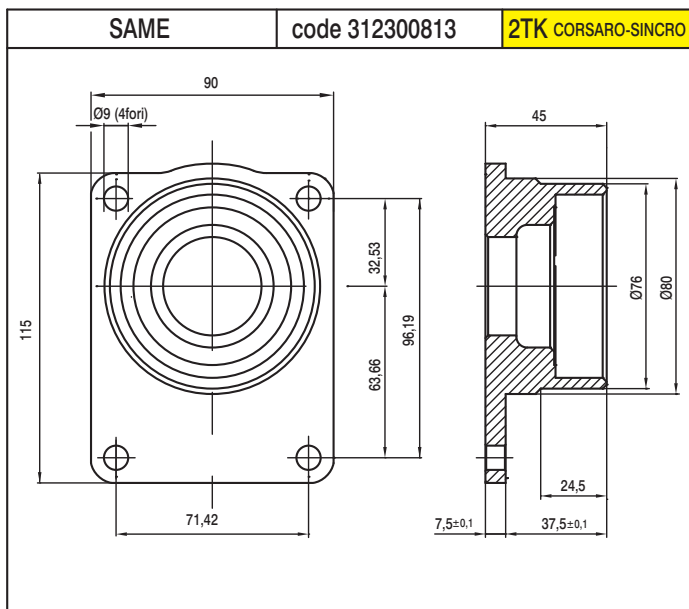
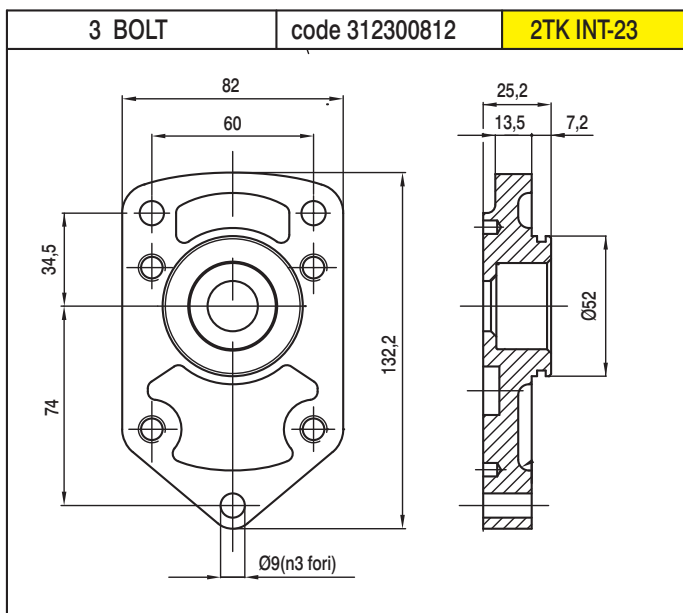
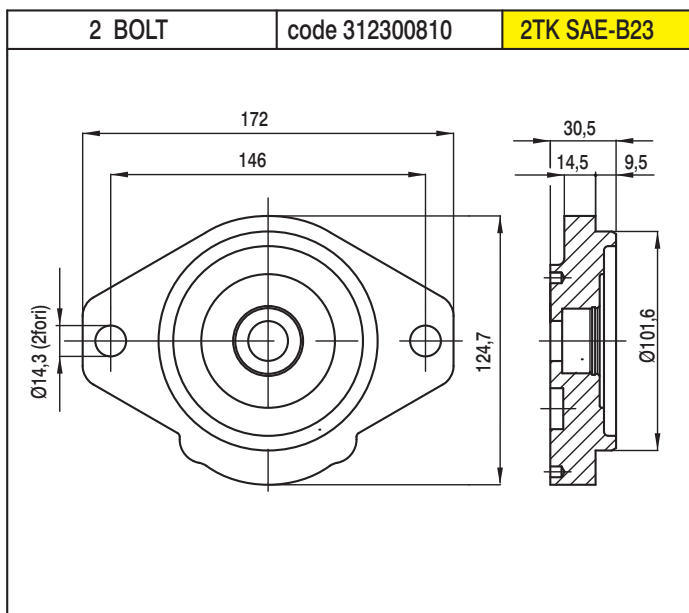
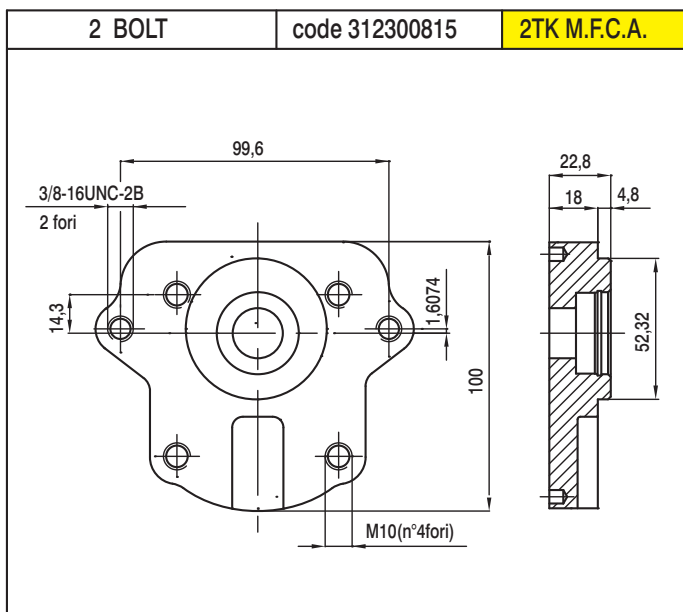
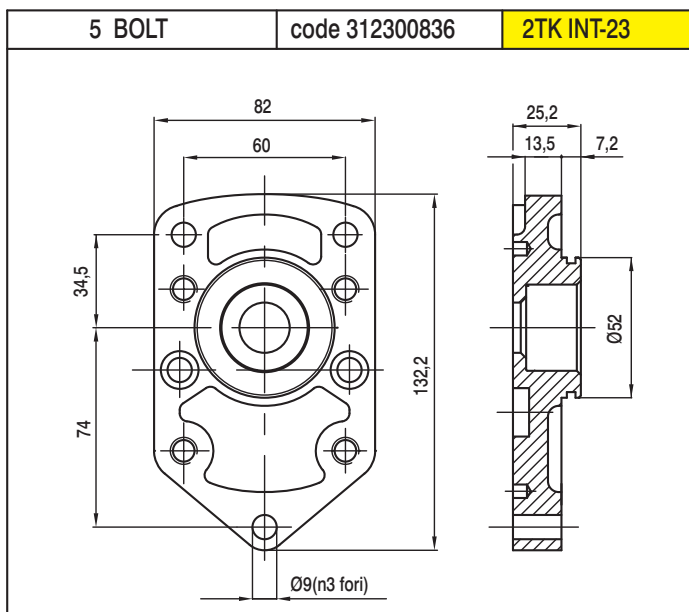


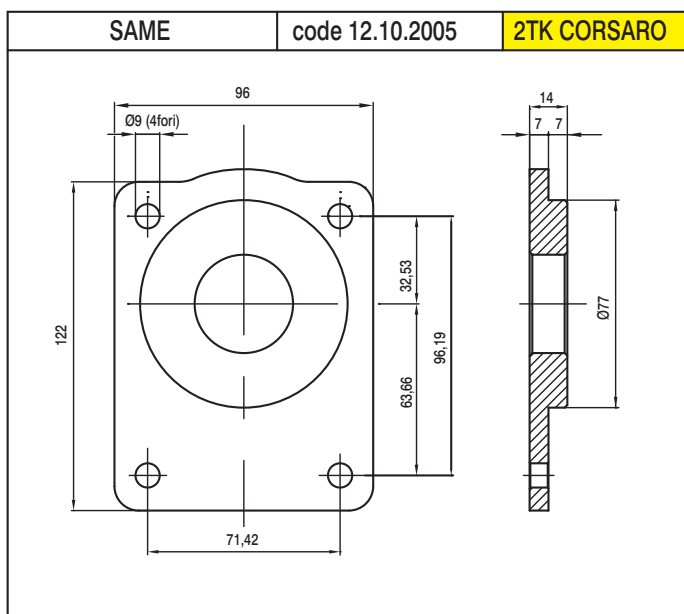
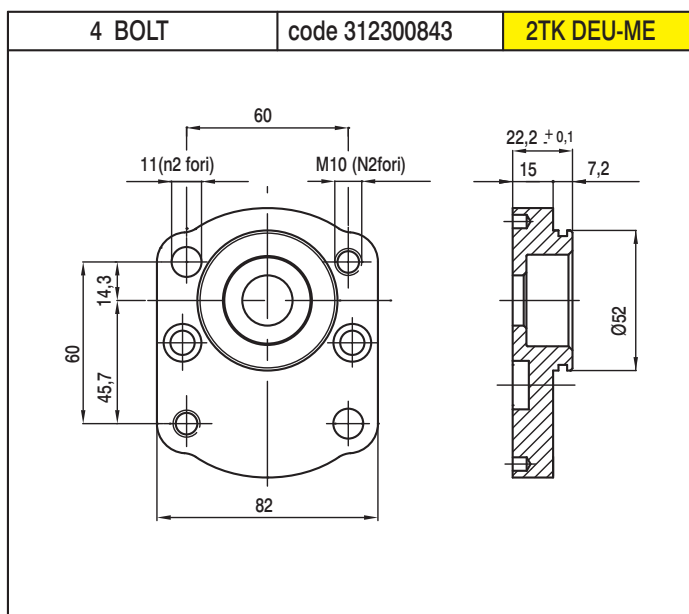


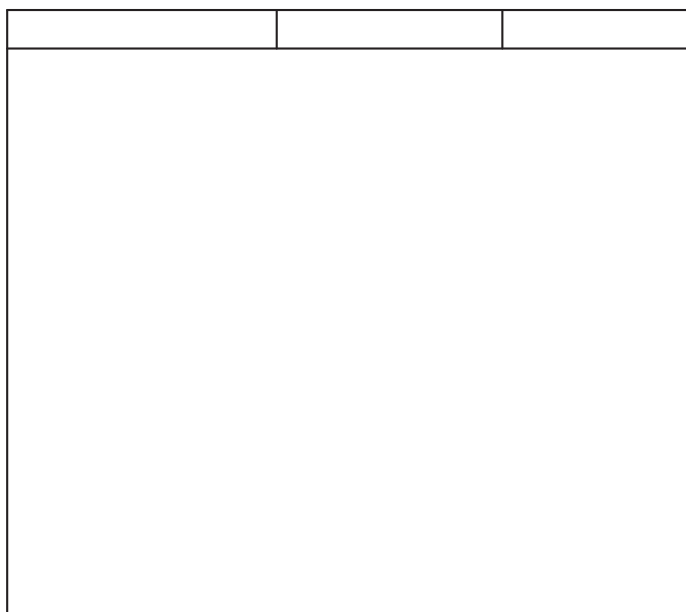
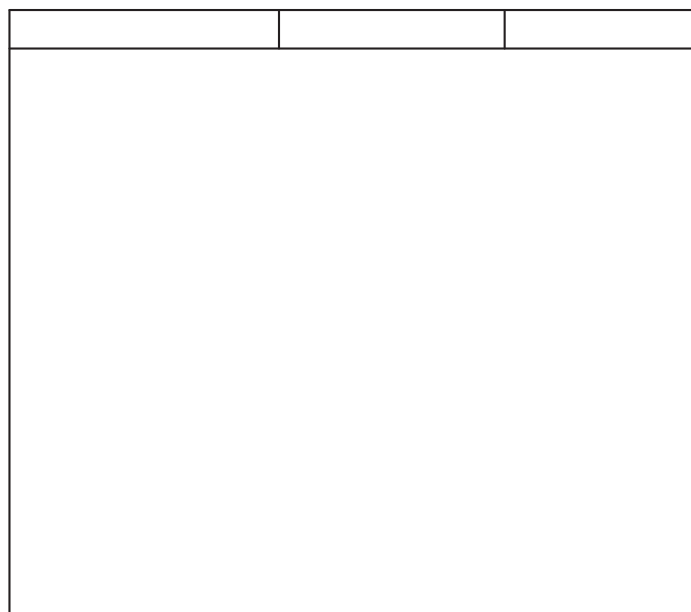






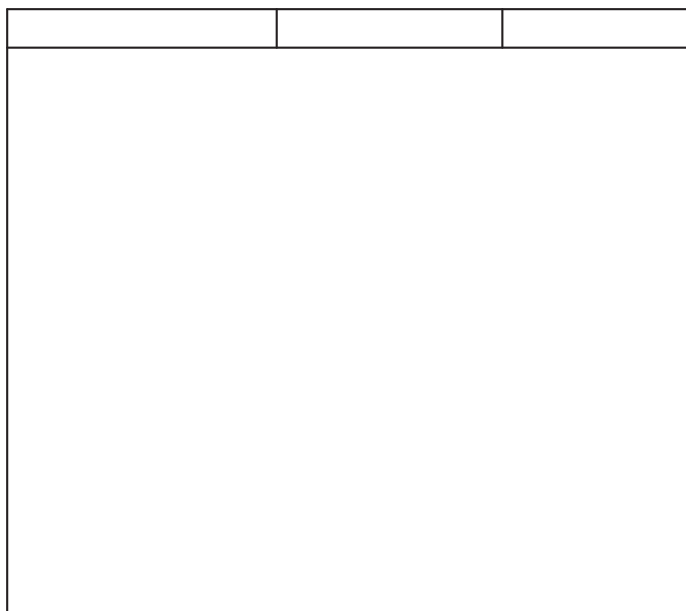
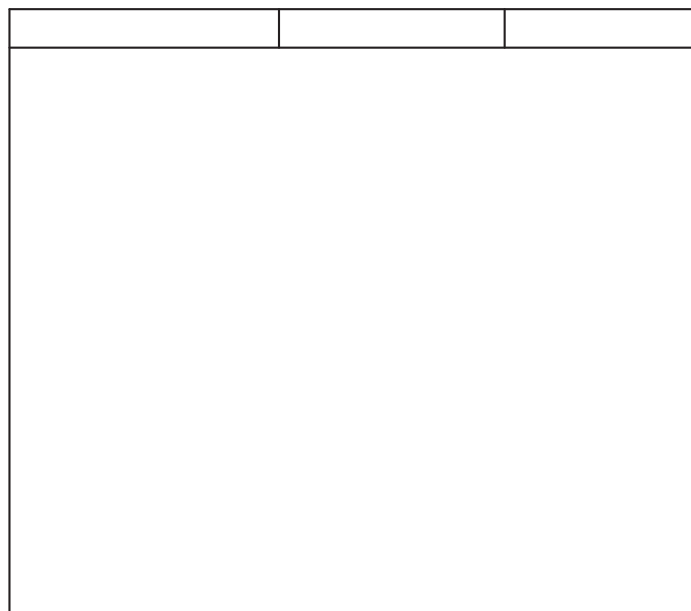
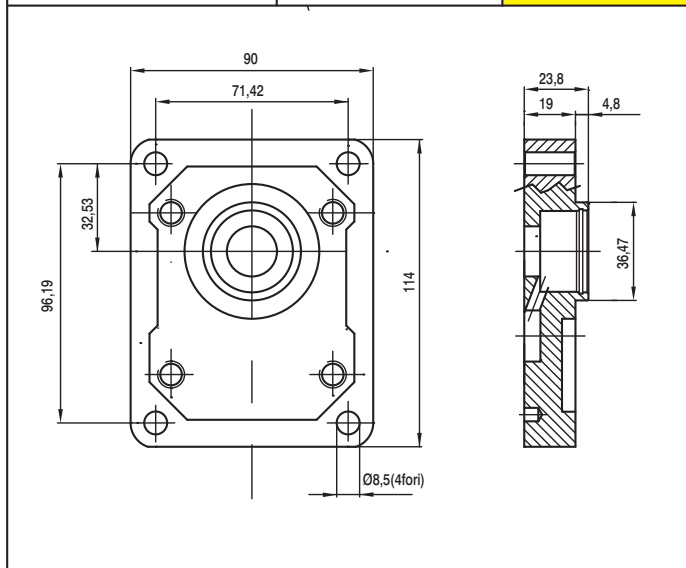
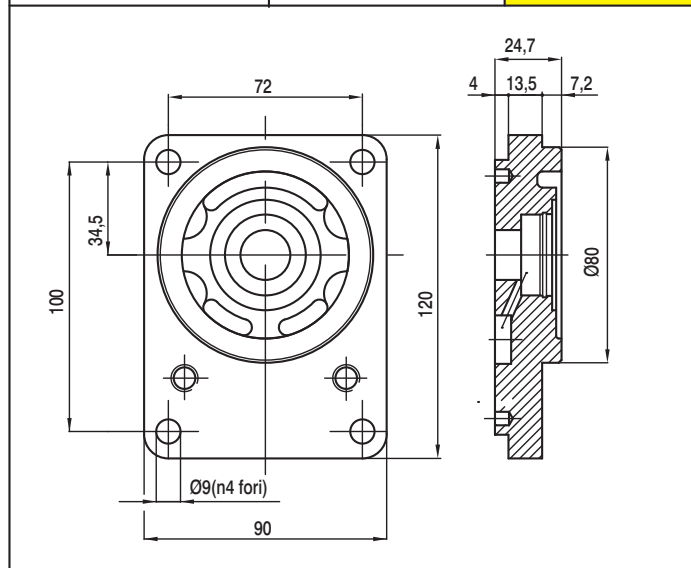






MOTORE	code 11.10.2004.M	2TK MOTORE BC-BS
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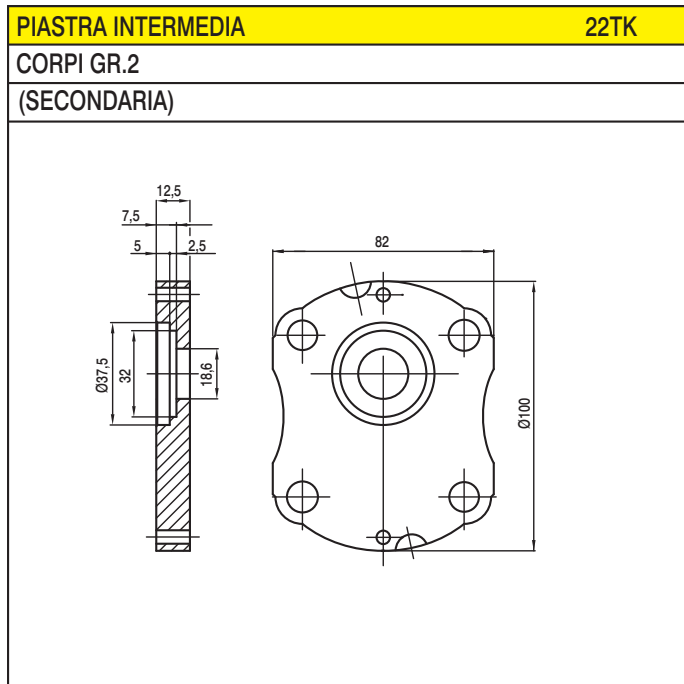
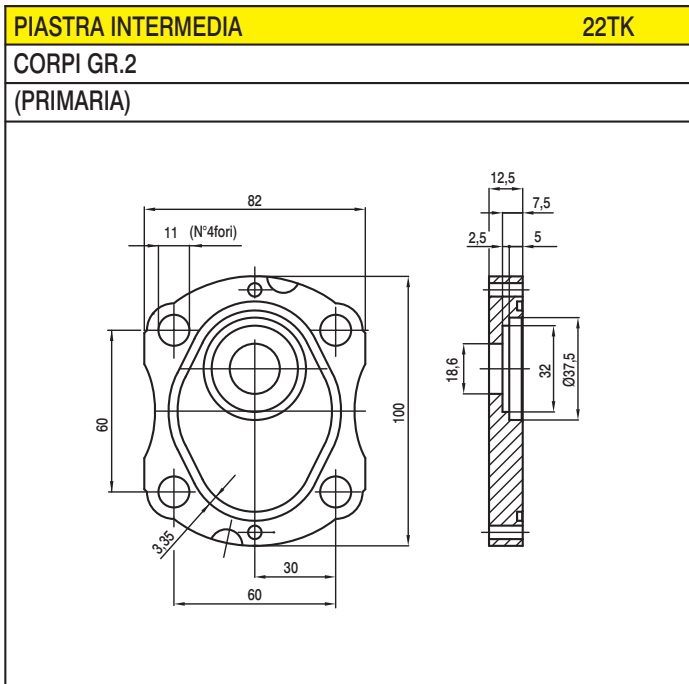
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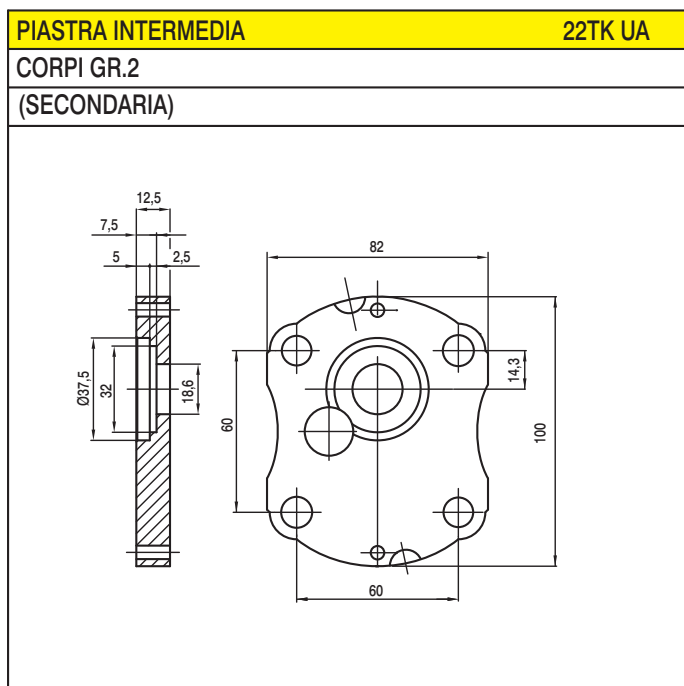
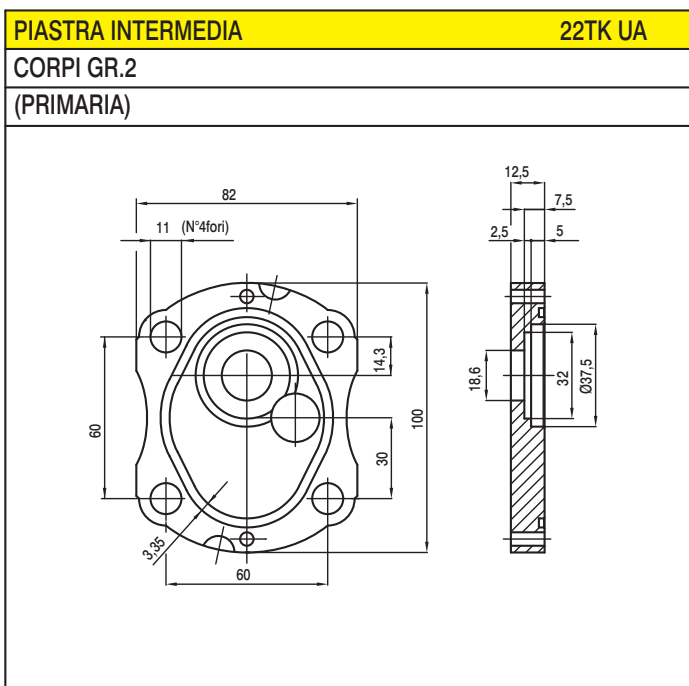
Flange per corpi pompa gruppo 2
Flange intermedie per pompe multiple GR. 2 + 2
ad aspirazione comunicante

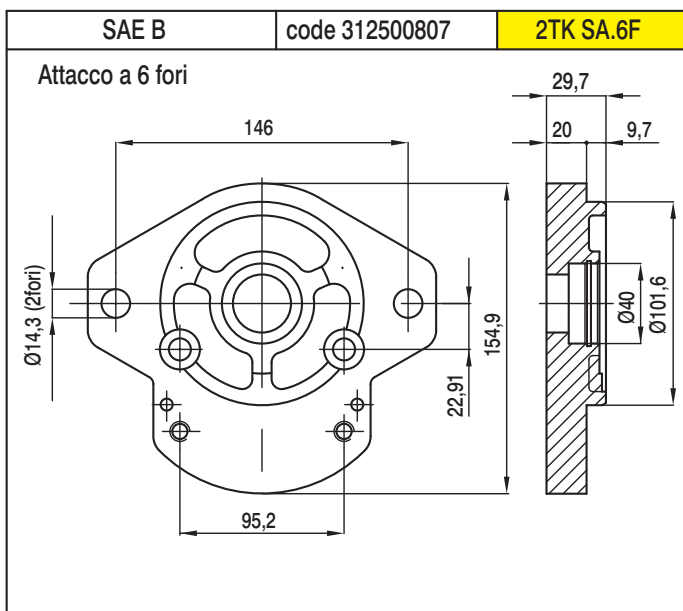
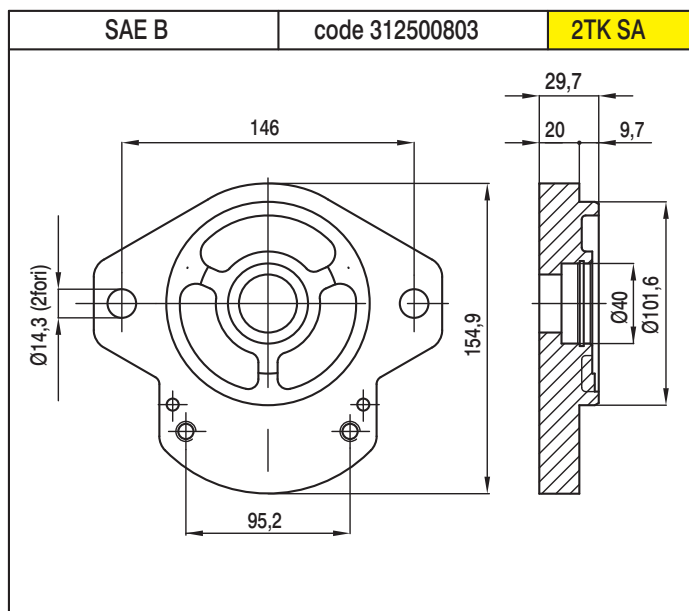
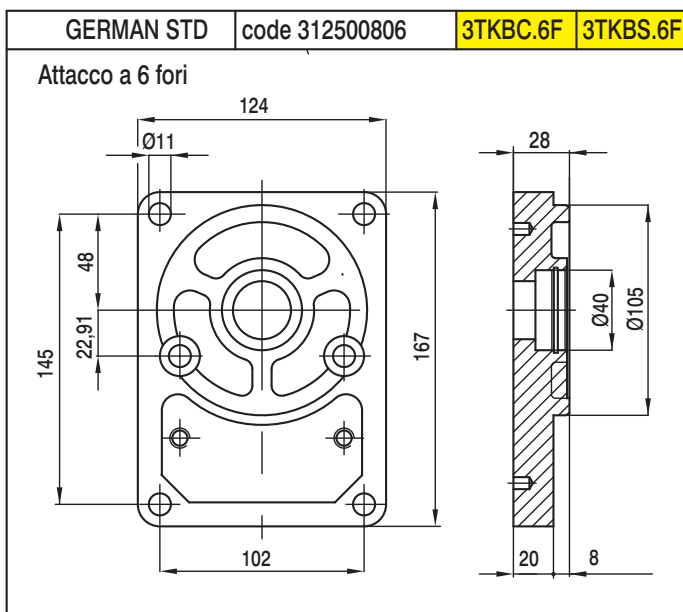
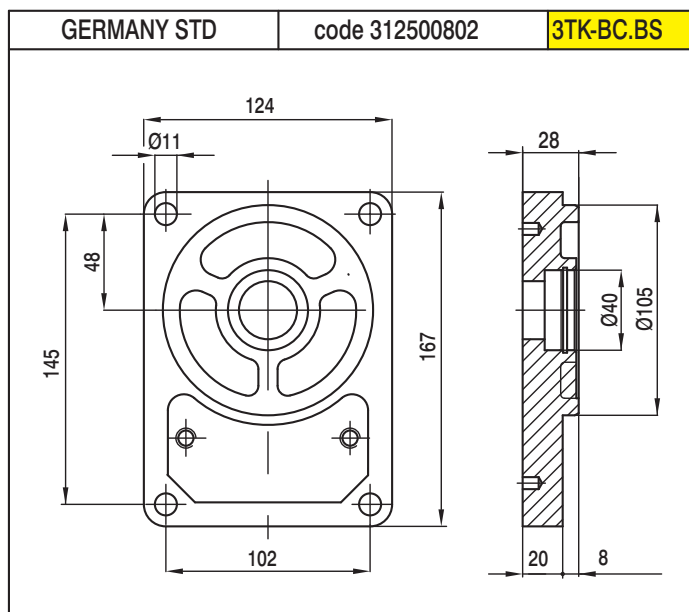
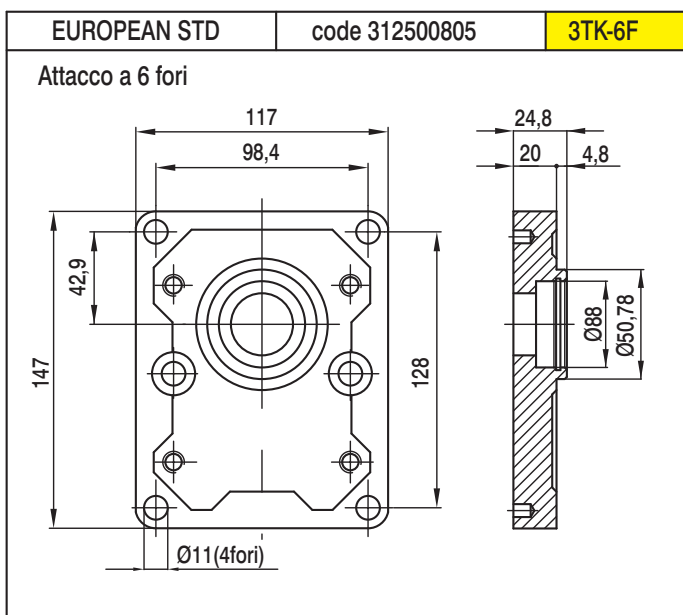
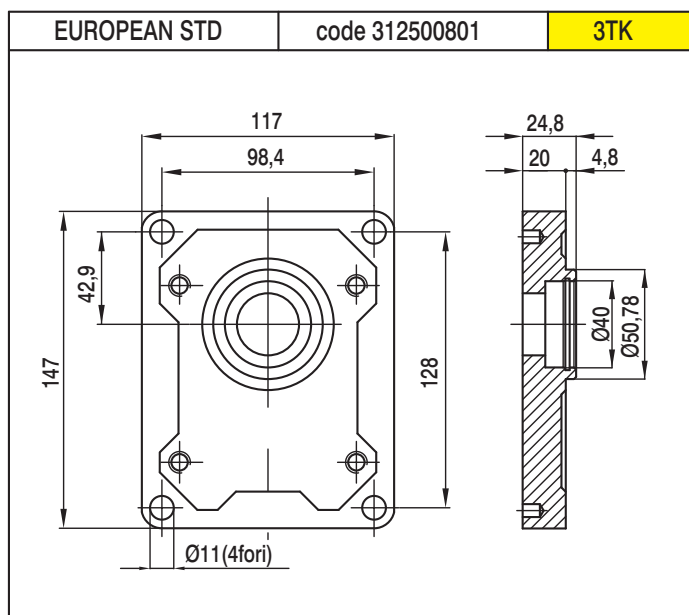
serie 2TK



Flange intermedie per pompe multiple GR. 2+2
ad unica aspirazione - comunicante

serie 2TK

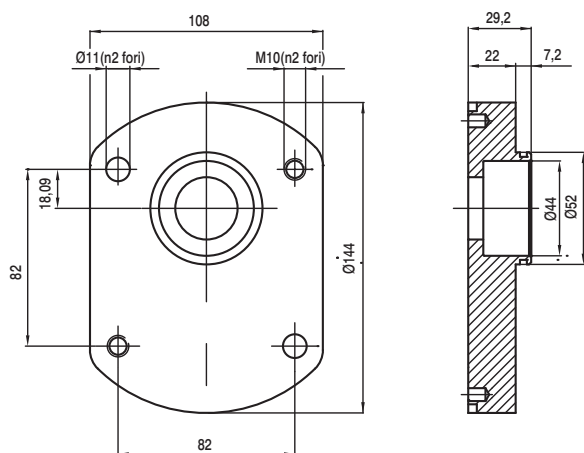




2 BOLT

code 312500804

3TK ME

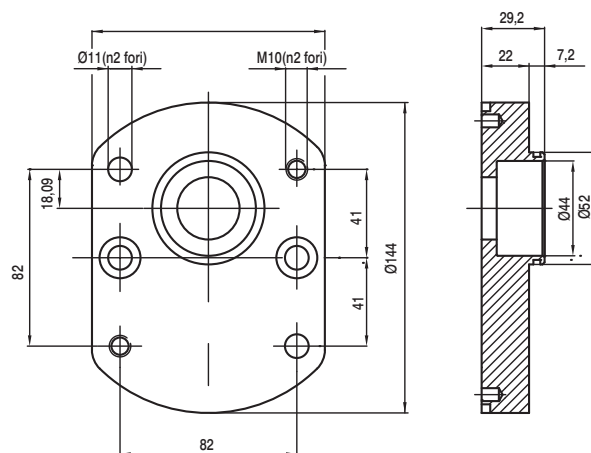


2 BOLT

code 312500808

3TK ME.6F

Attacco a 6 fori - 2 fori Ø11

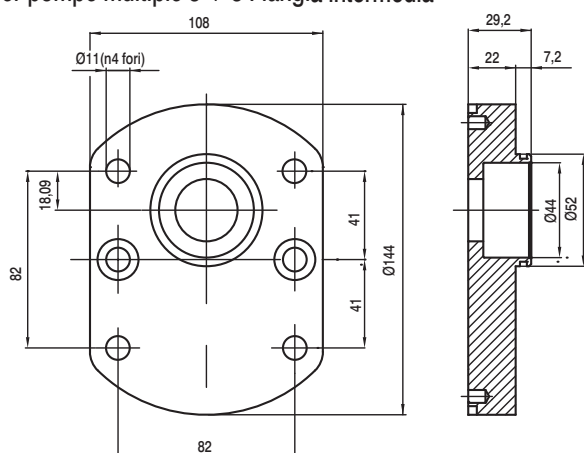


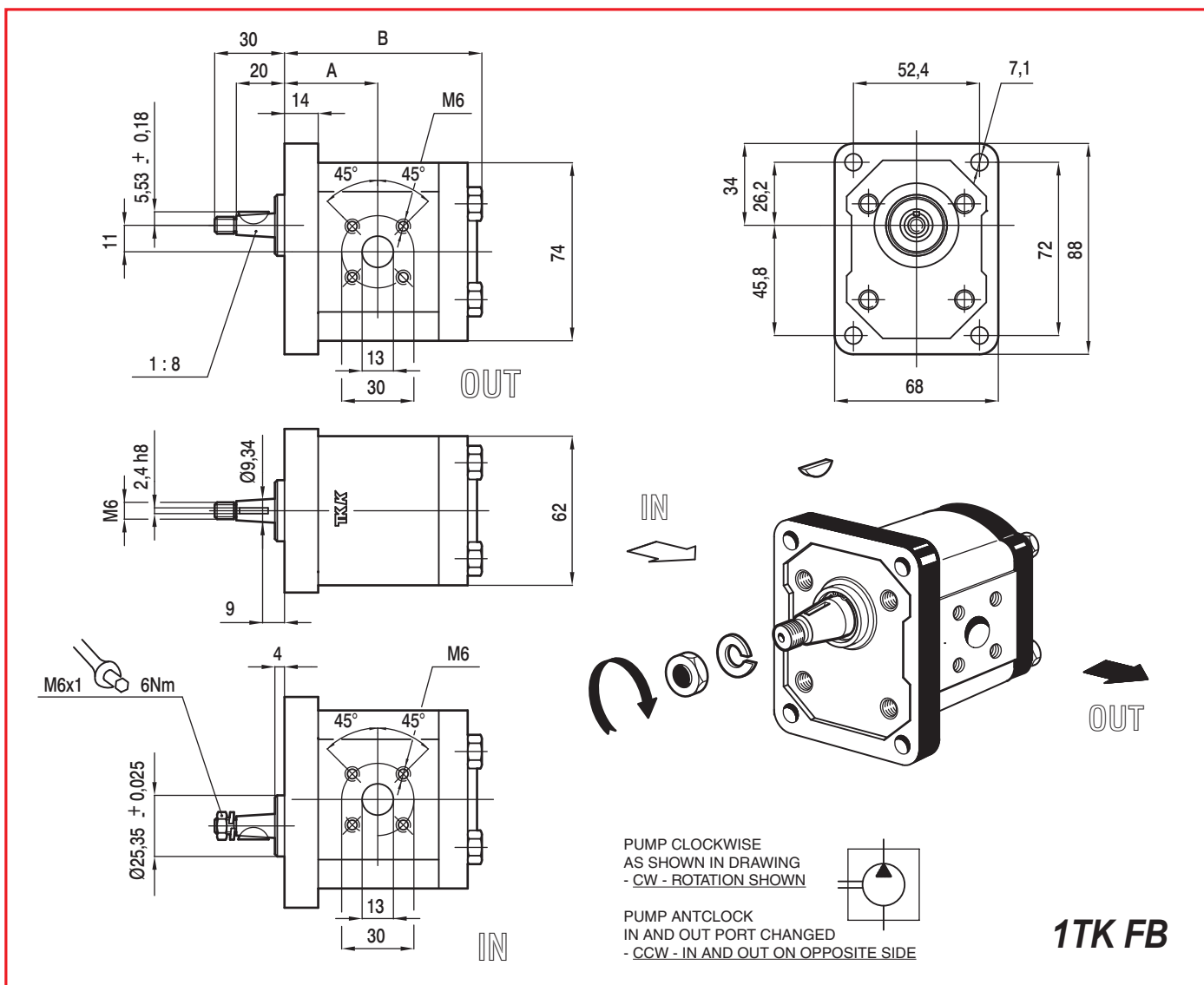
4 BOLT

code 312500809

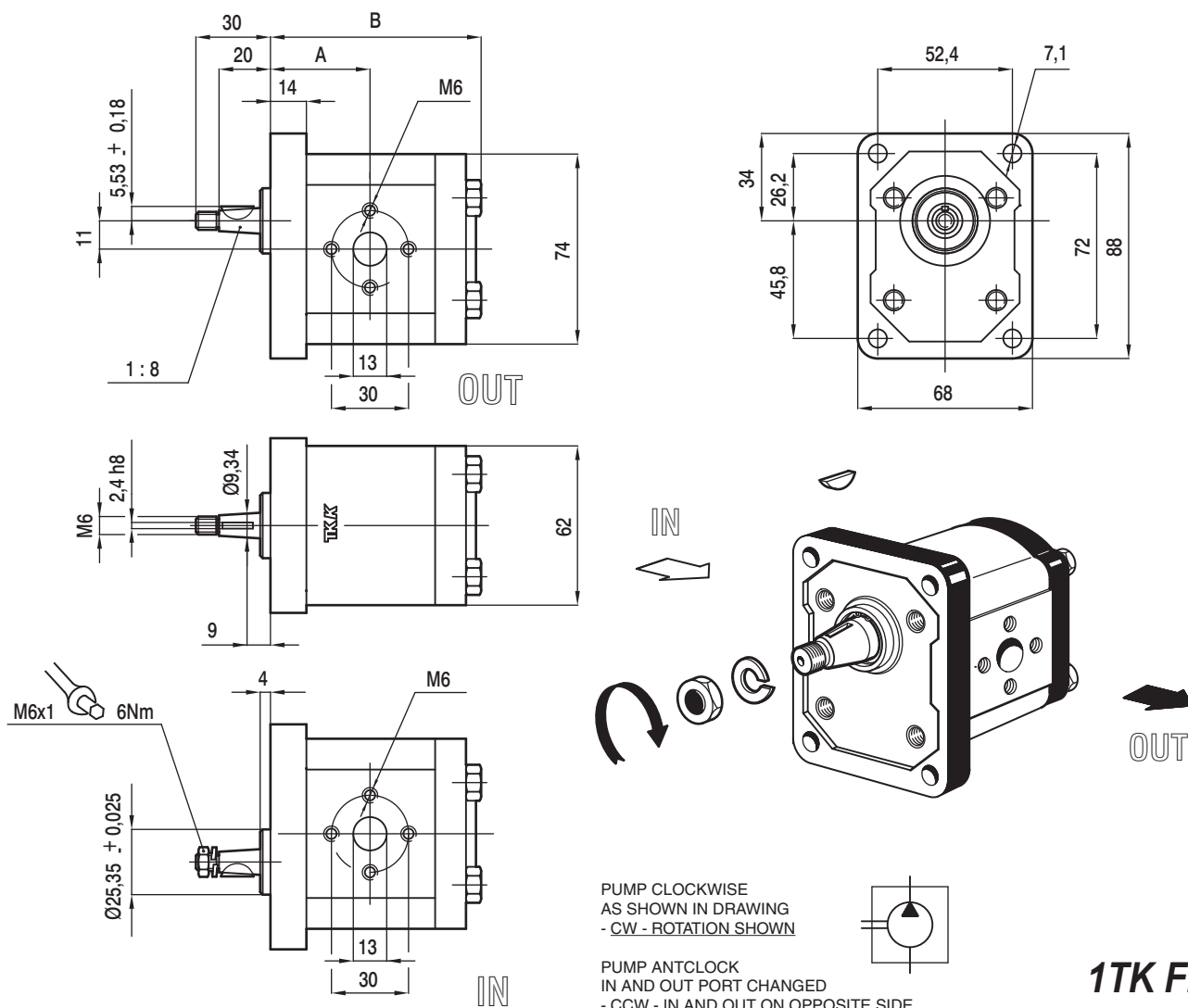
33TK-6F

4 fori Ø11 per 4 tiranti M10 passanti -
Per pompe multiple 3 + 3 Flangia intermedia

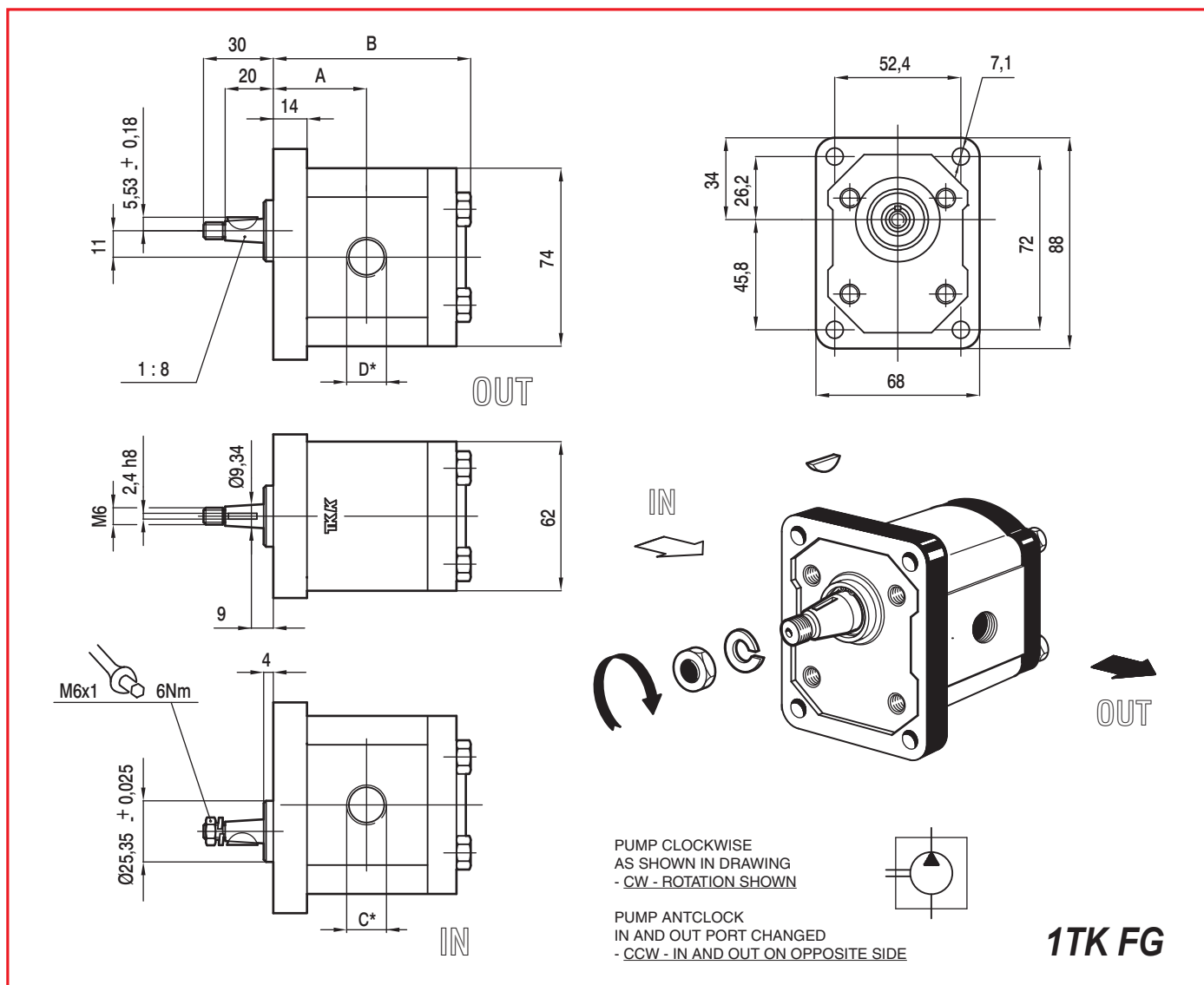




CODICE			Articolo pompa N°		DIMENSIONI						MASSA (Kg)	NOTE
SERIE	CM³	CONFIG.	Rotazione		A	B						
			SX	DX								
1TK	1	FB	203	204	33.1	99.7						
1TK	1,25	FB	205	206	33.6	100.7						
1TK	1,75	FB	207	208	34.65	102.8						
1TK	2,25	FB	209	210	35.65	104.8						
1TK	2,75	FB	211	212	36.70	106.9						
1TK	3,25	FB	213	214	37.70	108.9						
1TK	3,75	FB	215	216	38.75	111						
1TK	4,25	FB	217	218	39.75	113						
1TK	4,8	FB	269	270	41.30	116.1						
1TK	5,8	FB	219	220	43.35	120.2						
1TK	7,8	FB	251	252								



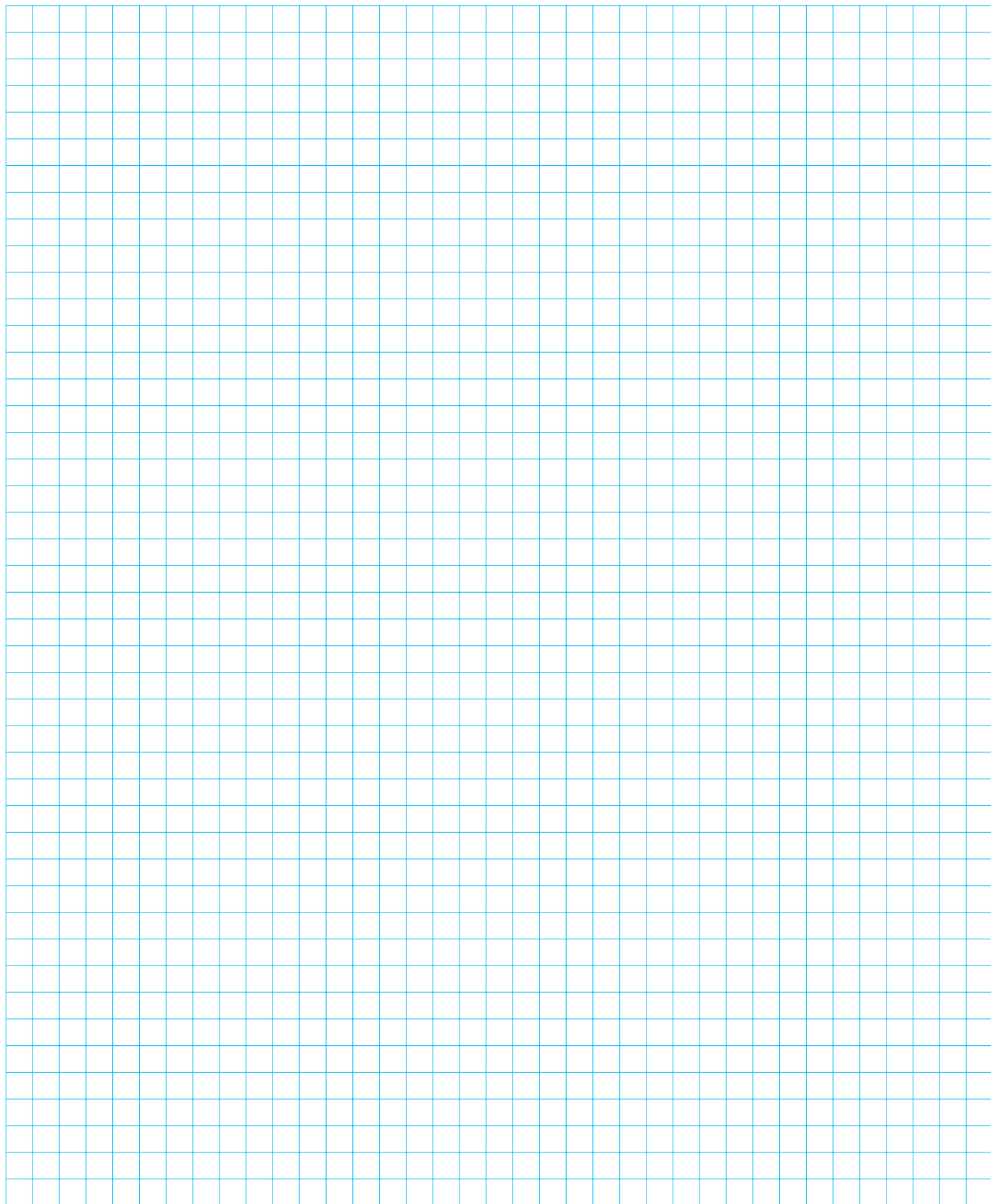
CODICE			Articolo pompa N°		DIMENSIONI						MASSA (Kg)	NOTE
SERIE	CM³	CONFIG.	Rotazione		A	B						
			SX	DX								
1TK	3,2	FP	101	104	38	83						
1TK	3,7	FP	111	118	39	85						
1TK	4,2	FP	103	110	40	87						
1TK	4,8	FP	119	120	41	89						
1TK	5,8	FP	113	114	43	93						
1TK	8	FP	183	184	47	101						



CODICE			Articolo pompa N°		DIMENSIONI						MASSA (Kg)	NOTE
SERIE	CM³	CONFIG.	Rotazione		A	B	C*	D*				
			SX	DX								C* e D* Sono disponibili
1TK	1	FG	225	226	33.1	99.7	3/8	3/8				anche con la filettatura
1TK	1.25	FG	227	228	33.6	100.7	3/8	3/8				metrica
1TK	1.75	FG	229	230	34.65	102.8	3/8	3/8				
1TK	2.25	FG	231	232	35.65	104.8	3/8	3/8				
1TK	2.75	FG	233	234	36.70	106.9	3/8	3/8				
1TK	3.25	FG	235	236	37.70	108.9	3/8	3/8				
1TK	3.75	FG	237	238	38.75	111	3/8	3/8				
1TK	4.25	FG	239	240	39.75	113	3/8	3/8				
1TK	5	FG	241	242	41.30	116.1	3/8	3/8				
1TK	6	FG	243	244	43.35	120.2	3/8					
1TK	7,8	FG	263	264								



NOTE



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E-mail: tkkfluid@tkkfluid.it - commerciale@tkkfluid.com

www.tkkfluid.it

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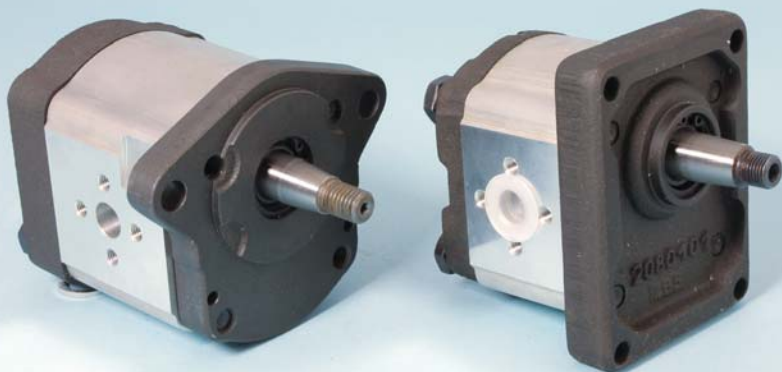
2TK European Standard

18



2TK

19

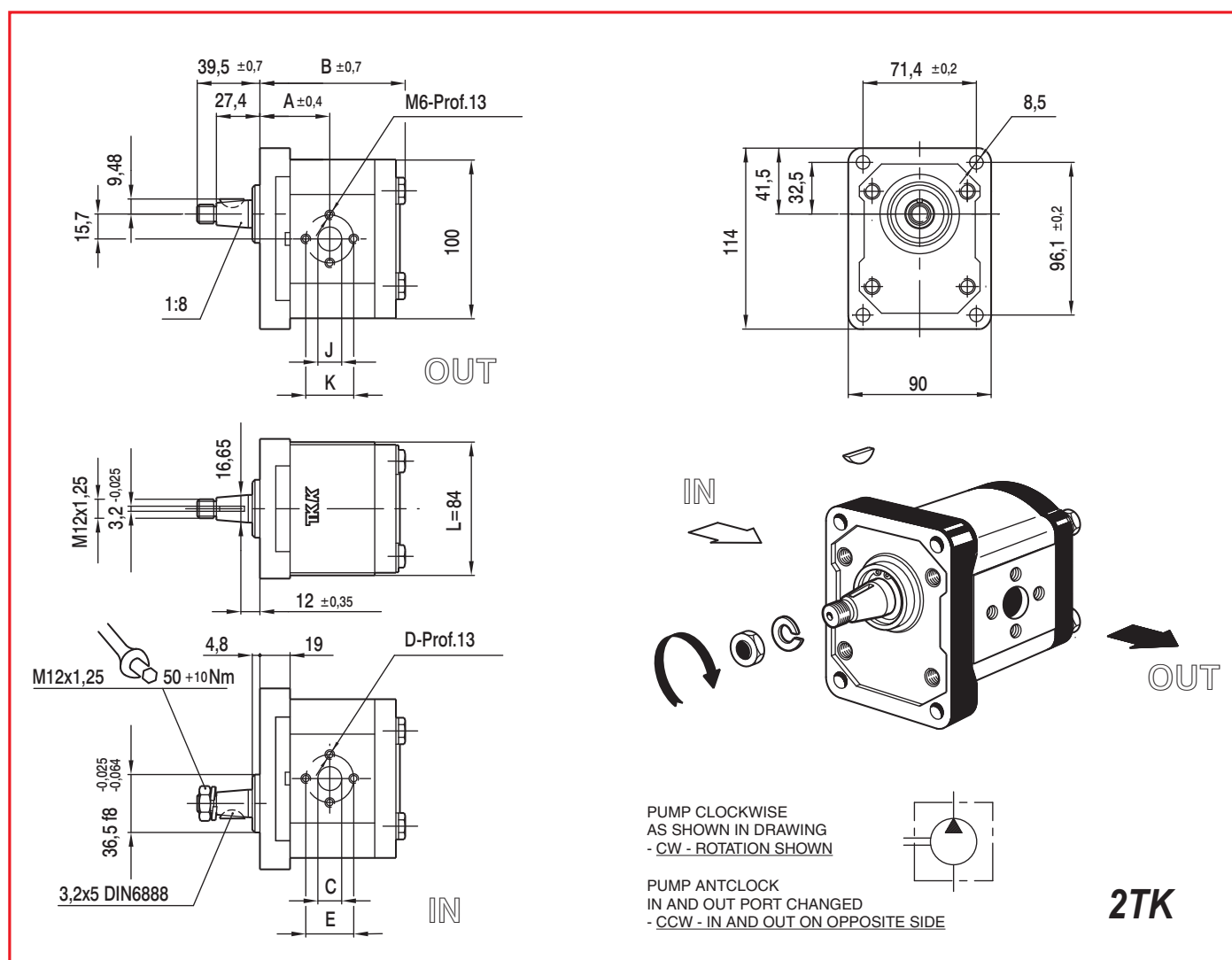


2TK RENAULT 63

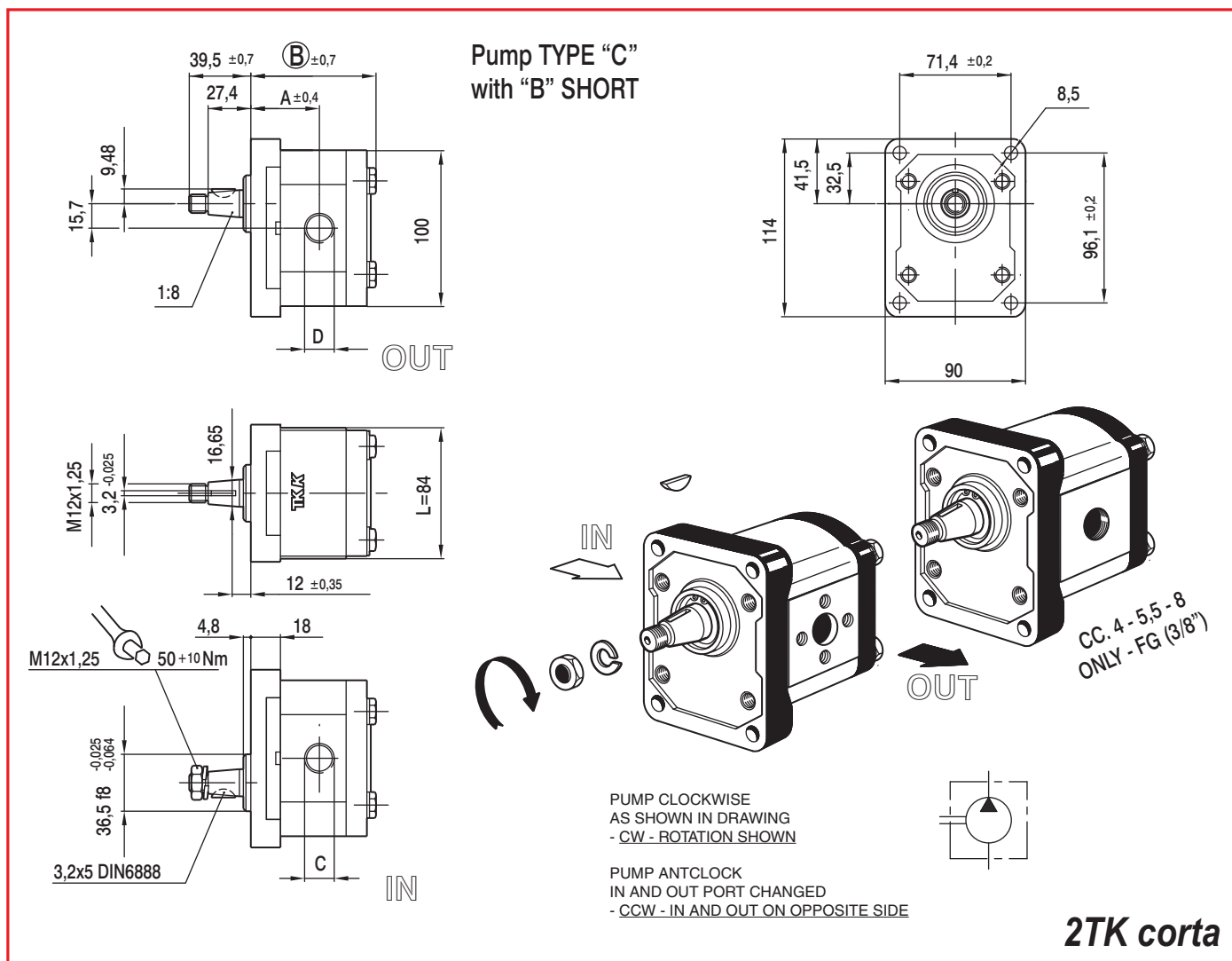
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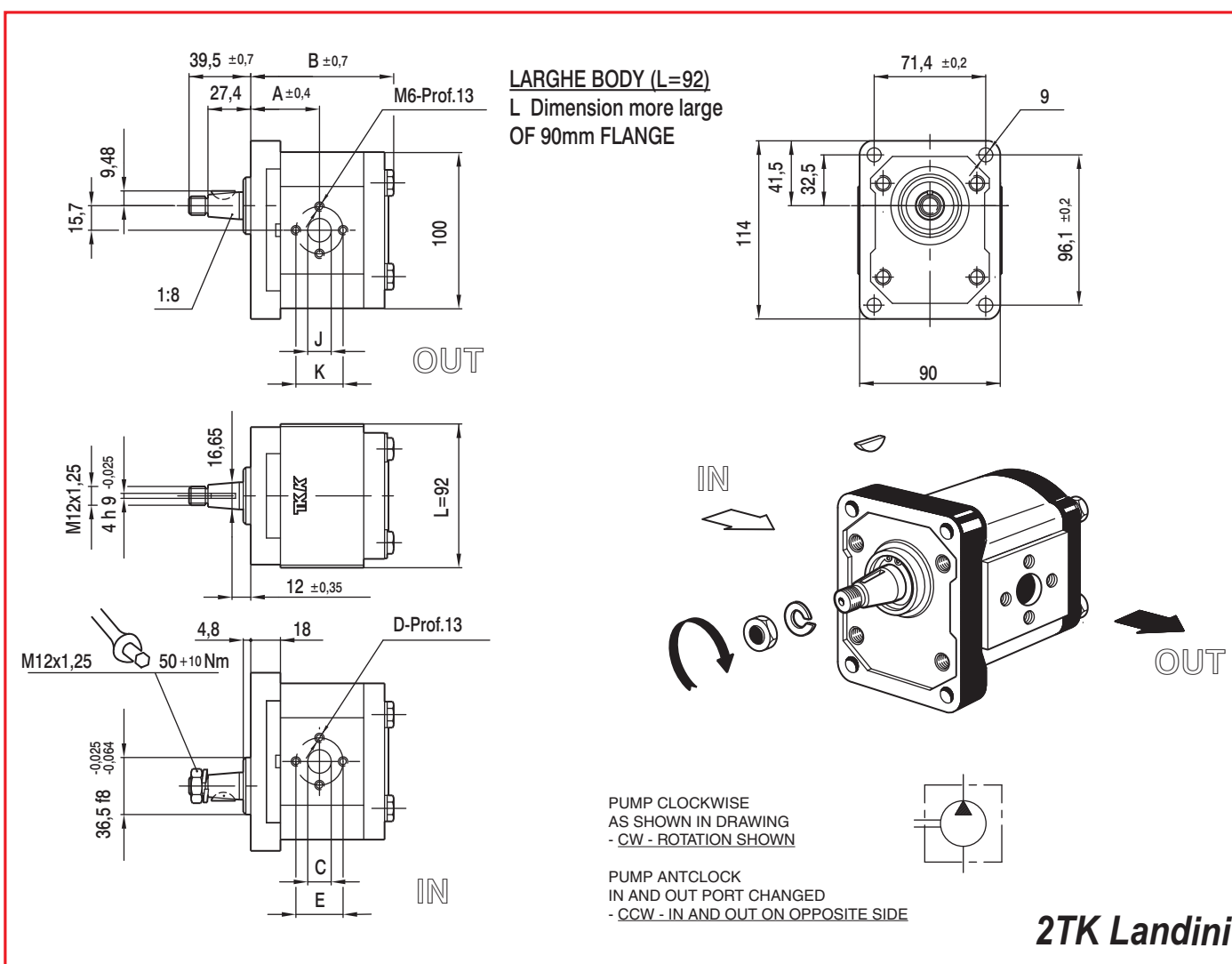
2TK RFC



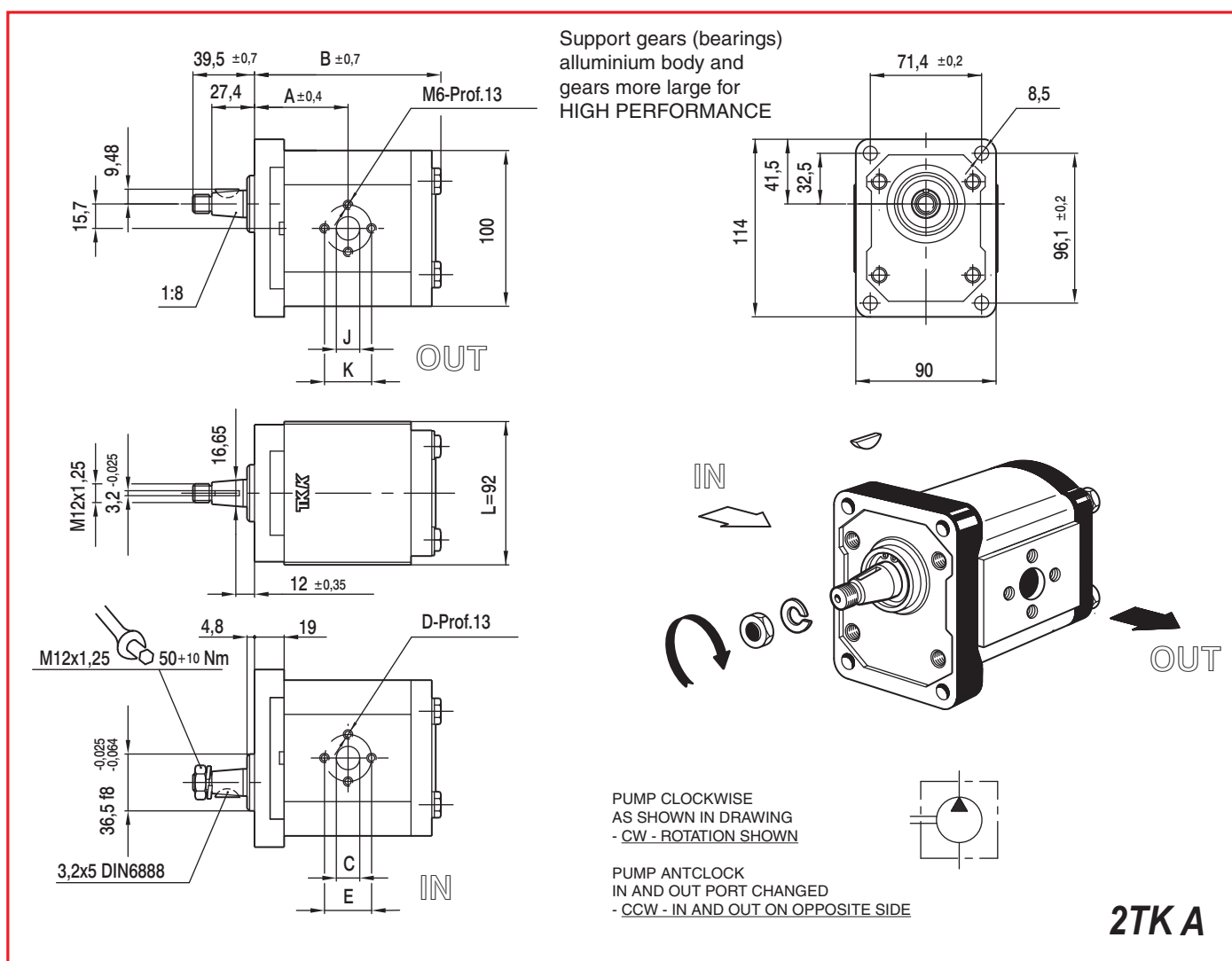
CODICE			Articolo pompa N°		DIMENSIONI							MASSA (Kg)	Max Bar
SERIE	CM³	CONFIG.	Rotazione		A	B	C	D	E	J	K		
2TK	4		SX	DX	41.3	86.7	13,5	M6	30,2	13,5	30,2	2.8	260
2TK	5.5		341	342	42.5	89.2	13,5	M6	30,2	13,5	30,2	2.85	260
2TK	8		343	344	44.6	93.3	13,5	M6	30,2	13,5	30,2	2.9	250
2TK	11		345	346	48.5	98.3	20	M8	39,7	13,5	30,2	3	250
2TK	14		347	348	49	103.3	20	M8	39,7	13,5	30,2	3.2	240
2TK	16		349	350	49	106.3	20	M8	39,7	13,5	30,2	3.4	240
2TK	19		351	352	49	111	20	M8	39,7	13,5	30,2	3.6	230
2TK	22.5		353	354	56.5	117	20	M8	39,7	13,5	30,2	3.8	210
2TK	26		355	356	60	123	20	M8	39,7	13,5	30,2	4	200
			357	358									



CODICE			Articolo pompa N°		DIMENSIONI						MASSA (Kg)	NOTE
SERIE	CM³	CONFIG.	SX	DX	A	B	C	D	P Max Bar			
2TKC	4		1967	1968	41,3	73,7	3/8	3/8	220			Per installazioni dove l'ingombro "B" è limitato. Quota "B" ridotta rispetto lo standard 2TK-STD
2TKC	5,5		1969	1970	42,5	76,2	3/8	3/8	220			
2TKC	8		1971	1972	44,6	80,3	3/8	3/8	210			
2TKC	11		1973	1974	48,5	85,3	19-40	13,5-30	210			When the dimension "B" must to be short. Use type "C" 2TK C.
2TKC	14		1975	1976	49	90,3	19-40	13,5-30	200			
2TKC	16		1977	1978	49	93,3	19-40	13,5-30	190			
2TKC	19		1979	1980	49	98	19-40	13,5-30	180			The peak press. must to be limited compared to 2TK
2TKC	22,5		1981	1982	56,5	104	19-40	13,5-30	180			
2TKC	26		1983	1984	60	110	19-40	13,5-30	180			



CODICE			Articolo pompa N°		DIMENSIONI							MASSA (Kg)	NOTE
SERIE	CM³	CONFIG.	Rotazione		A	B	J	K	C	E	L		
2TKL	11	30-30	SX	DX	49	95	13,5	30	13,5	30	92	2,8	La quota "A" può essere variata secondo richiesta
2TKL	11	40-40	831	832	49	95	20	40	13,5	40	92	2,85	
2TKL	14	30-30	833	834	50	99	13,5	30	13,5	30	92	2,9	Dimension "A" variable on request
2TKL	14	40-40	837	838	50	99	13,5	40	20	40	92	3	
2TKL	16	30-30	835	836	53,7	103	13,5	30	13,5	30	92	3,2	
2TKL	16	40-40	839	840	53,7	103	13,5	40	20	40	92	3,4	
2TKL	19	30-30	387	388	49	107	13,5	30	15	30	92	3,6	
2TKL	19	30-40	771	772	49	107	13,5	30	20	40	92	3,8	
2TKL	19	40-40	985	986	49	107	13,5	40	20	40	92	4	

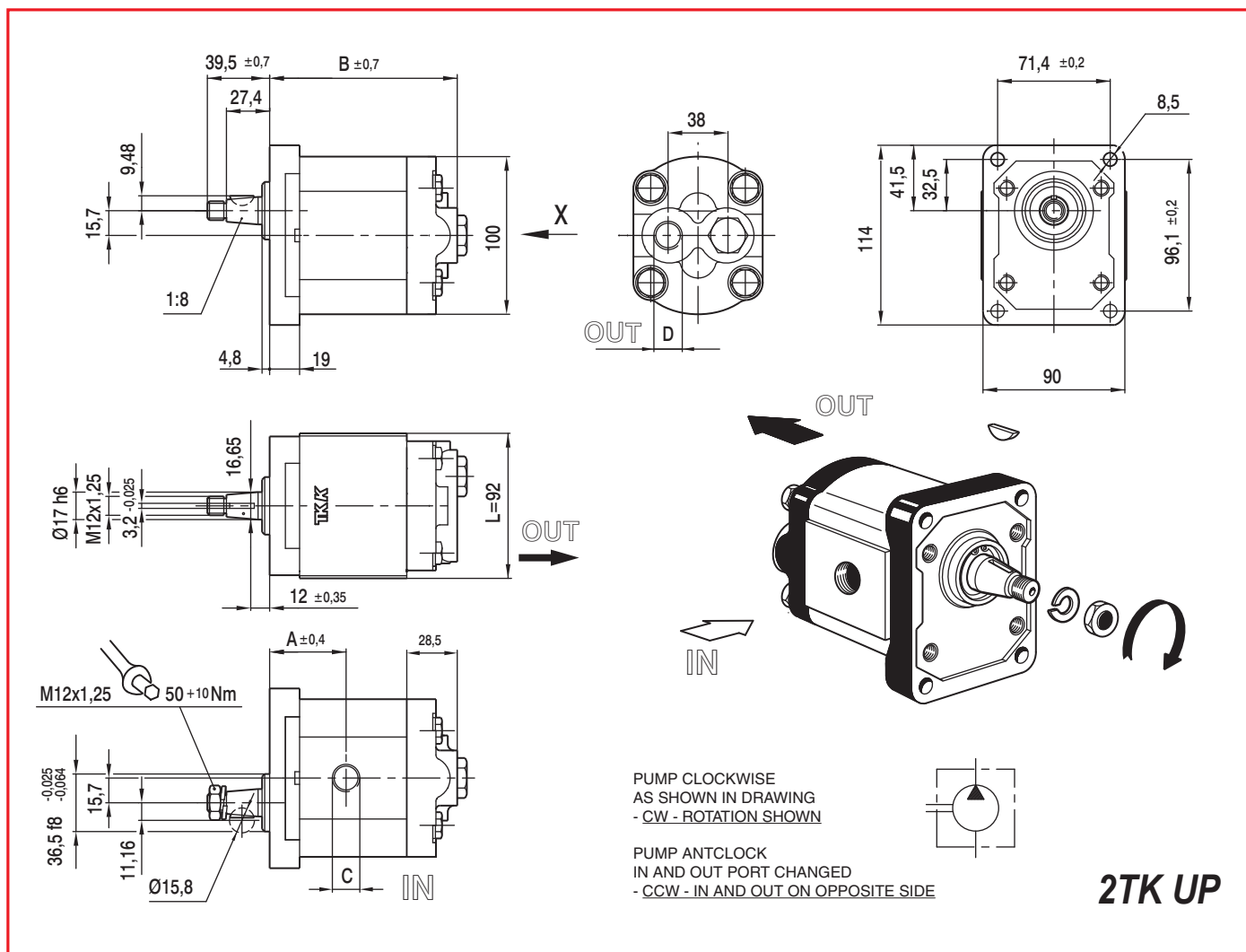


CODICE			Articolo pompa N°		DIMENSIONI							Max Bar	NOTE
SERIE	CM³	CONFIG.	SX	DX	A	B	J	K	C	E	L		
2TKA	16	A	351A	352A	49	119	13,5	30,2	20	39,7	92	280	See Diagrams 2TK A pag.
2TKA	19	A	353A	354A	49	124	13,5	30,2	20	39,7	92	270	For 2TK A the dimension B and L are more big of 2TK STD
2TKA	22,5	A	355A	356A	56,5	128	13,5	30,2	20	39,7	92	250	
2TKA	26	A	357A	358A	60	135	13,5	30,2	20	39,7	92	240	

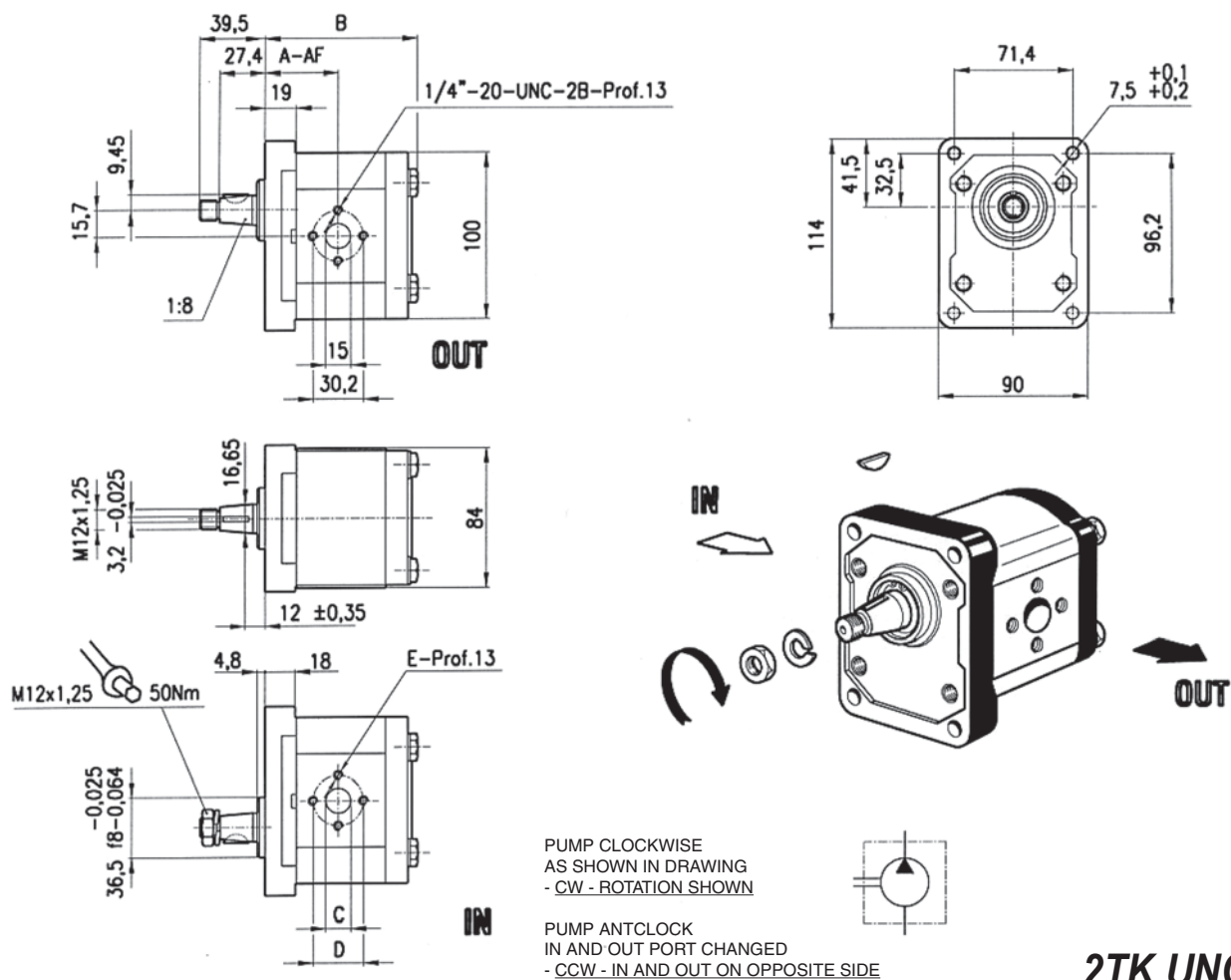


Pompe ad ingranaggi gruppo 2 - Rear Outputs Versione UP - IN-OUT posteriori - corpi L Large Body

2TK UP uscite posteriori

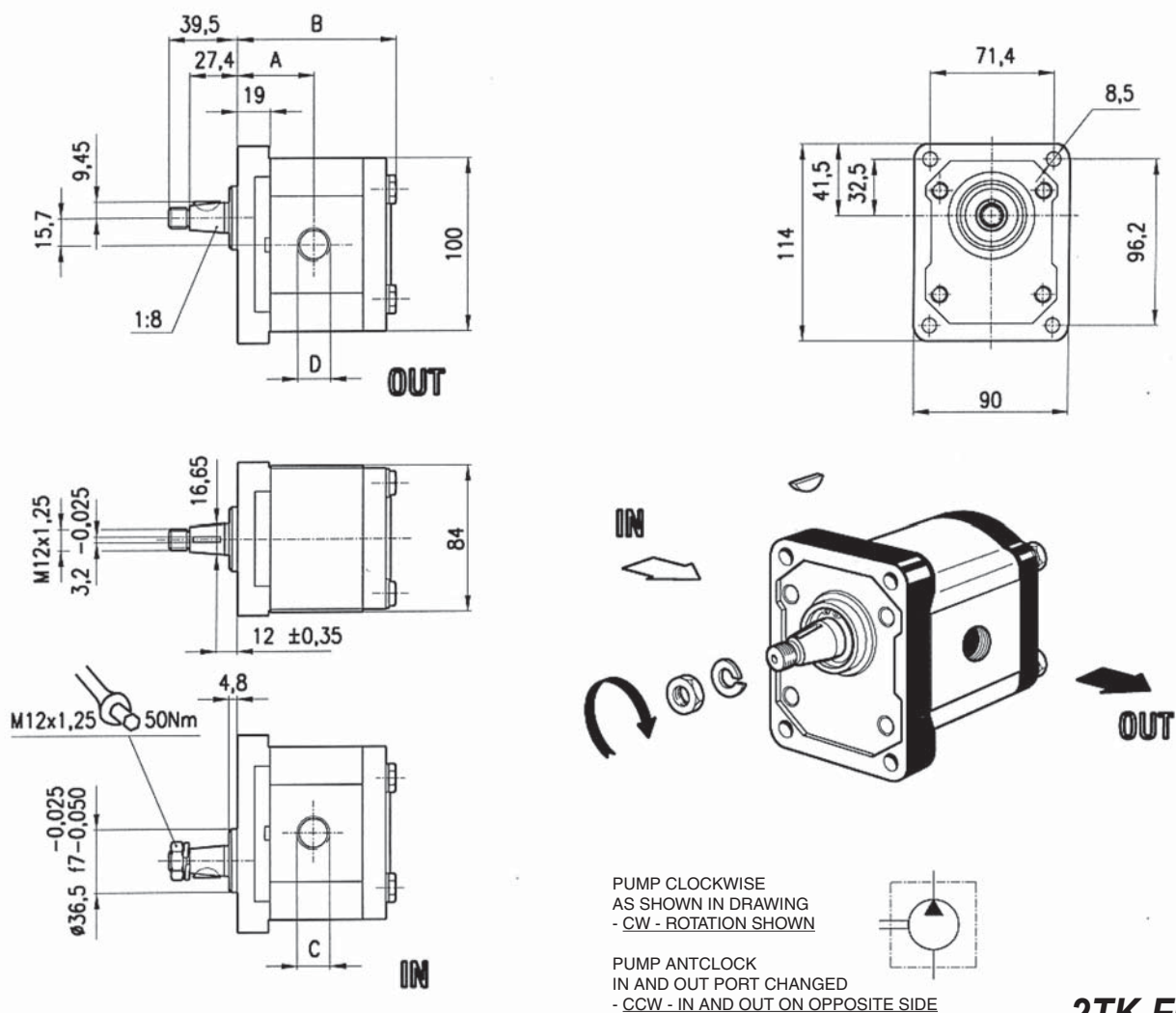


CODICE			Articolo pompa N°		DIMENSIONI						MASSA (Kg)	NOTE
SERIE	CM³	CONFIG.	SX	DX	A	B	C*	D*				
2TKP	4	UP	1985	1986	41,3	92,3	18x1,5	18x1,5				* IN e OUT disponibili
2TKP	5,5	UP	1987	1988	42,5	95,3	18x1,5	18x1,5				anche con filettatura BSPP e UNF
2TKP	8	UP	1989	1990	44,6	99	18x1,5	18x1,5				
2TKP	11	UP	1991	1992	48,5	104	18x1,5	18x1,5				2TK UP available with BSPP and UNF ports.
2TKP	14	UP	1121	1122	49	109	20x1,5	18x1,5				Also with german standard ports see 2TK BC - BS
2TKP	16	UP	1535	1536	49	113	20x1,5	18x1,5				
2TKP	19	UP	1993	1994	49		24x1,5	18x1,5				
2TKP	22,5	UP	1995	1996	56,5		24x1,5	18x1,5				
2TKP	26	UP	1997	1998	60		24x1,5	18x1,5				Available with only one port (rear) or 2 ports rear



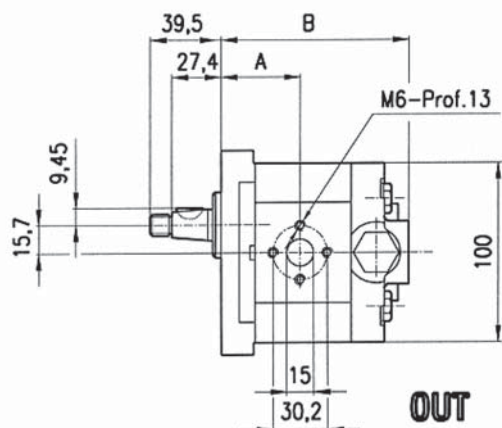
2TK UNC

CODICE			Articolo pompa N°		DIMENSIONI						POMPA PLESSEY FIAT		MASSA (Kg)
SERIE	CM³	CONFIG.	Rotazione		AF	A	B	C	D	E	Rotazione		
			SX	DX							SX	DX	
2TK	4	UNC	401	402	42.6	41.3	86.7	13,5	30.2	1/4" UNC	A10X=UNC	C10X=UNC	2.8
2TK	6	UNC	403	404	42.6	42.5	89.2	13,5	30.2	1/4" UNC	A14X=UNC	C14X=UNC	2.85
2TK	8	UNC	405	406	42.6	44.6	93.3	13,5	30.2	1/4" UNC	A18X=UNC	C18X=UNC	2.9
2TK	11	UNC	407	408	48	48.5	98.3	20	39.7	5/16" UNC	A25X=UNC	C25X=UNC	3
2TK	16	UNC55	409	-	55.5	54	106.7	20	39.7	5/16" UNC	A31X=UNC		3.4
2TK	16	M55	410	-	55.5	54	106.7	20	39.7	M8	A31 (METRICA)		3.4
2TK	16	UNC	-	411	55.5	49	106.7	20	39.7	5/16" UNC		C31X=UNC	3.4
2TK	16	M55	-	412	55.5	54	106.7	20	39.7	M8		C31 (METRICA)	3.4
2TK	16	UNC	413	-	48	49	106.7	20	39.7	5/16" UNC	A33X=UNC		3.4
2TK	16	UNC	-	414	48	49	106.7	20	39.7	5/16" UNC		C33X=UNC	3.4
2TK	19	UNC	415	-	48	49	111	20	39.7	5/16" UNC	A42X=UNC		3.6
2TK	19	M	416	418	59	59	117	20	39.7	M8	A42 (METRICA)		3.6

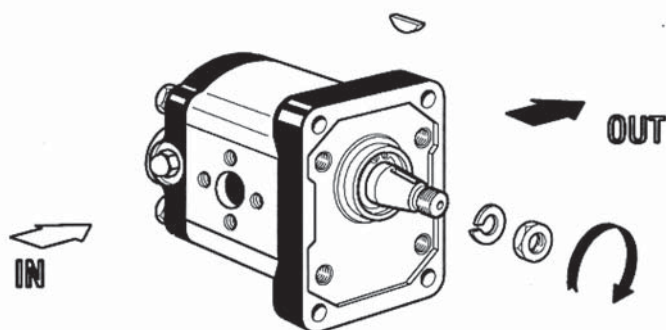
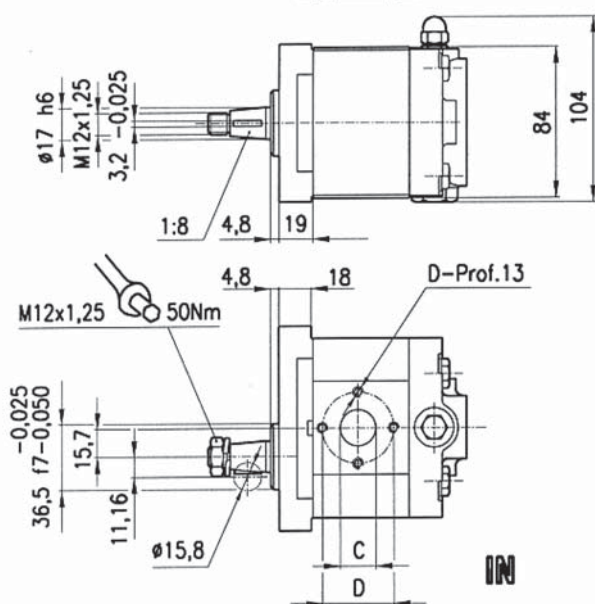
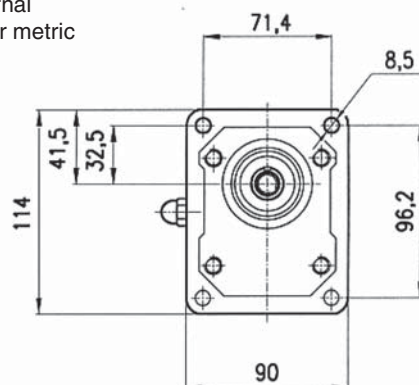


2TK FG

CODICE			Articolo pompa N°		DIMENSIONI					MASSA (Kg)	NOTE
SERIE	CM³	CONFIG.	Rotazione		A	B					
			SX	DX							
2TK	4	FG	493	494	41.3	86.7	3/8"	3/8"		2.8	
2TK	5.5	FG	495	496	42.5	89.2	3/8"	3/8"		2.8	
2TK	8	FG	497	498	44.6	93.3	3/8"	3/8"		2.9	
2TK	11	FG	499	500	48.5	98.3	1/2"	3/8"		3	
2TK	14	FG	501	502	49	103.3	1/2"	3/8"		3.2	
2TK	14	FG	503	504	49	103.3	3/4"	3/8"		3.2	
2TK	14	FG	515	516	49	103.3	3/4"	1/2"		3.2	
2TK	16	FG	505	506	49	106.7	1/2"	3/8"		3.4	
2TK	16	FG	507	508	49	106.7	3/4"	1/2"		3.4	
2TK	19	FG	517	518	49	111.7	3/4"	3/8"		3.6	
2TK	19	FG	509	510	49	111.7	3/4"	1/2"		3.6	
2TK	22.5	FG	511	512	56.5	117	3/4"	1/2"		3.8	
2TK	26	FG	513	514	60	123	3/4"	1/2"		4	



Upon request available with
 flow discharged external
 Port thread 1/4 gas or metric

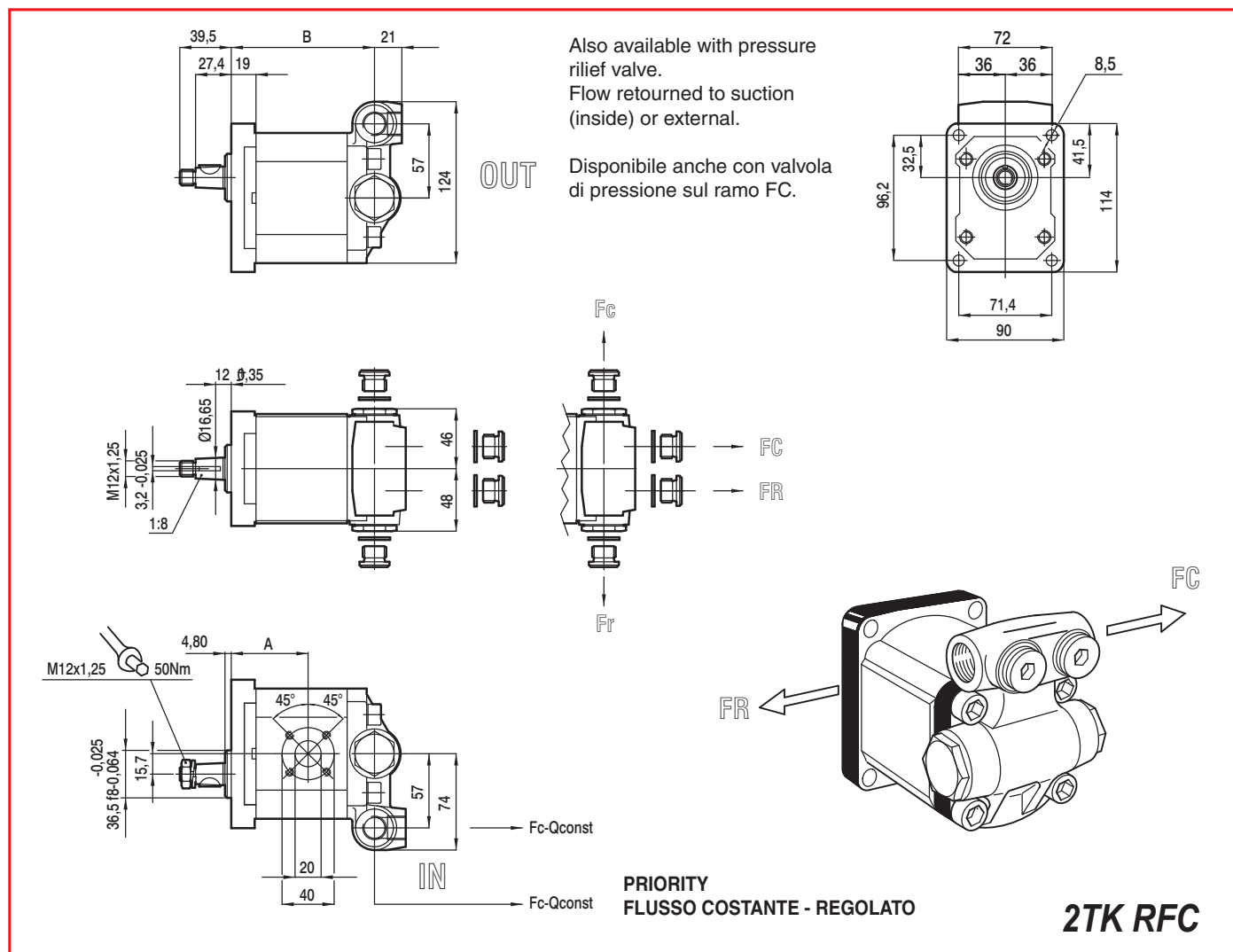


PUMP CLOCKWISE
 AS SHOWN IN DRAWING
 - CW - ROTATION SHOWN

PUMP ANTICLOCK
 IN AND OUT PORT CHANGED
 - CCW - IN AND OUT ON OPPOSITE SIDE

2TK VS

CODICE			Articolo pompa N°		DIMENSIONI						MASSA (Kg)	NOTE
SERIE	CM³	CONFIG.	Rotazione		A	B						
			SX	DX								
2TK	4	VS	461	462	41.3	108	15	30.2	M6		3.5	È consigliabile la valvola con scarico esterno per valori di volume superiori a 20 litri minuto generati a regime di lavoro -
2TK	5.5	VS	463	464	42.5	110	15	30.2	M6		3.55	
2TK	8	VS	465	466	44.6	114	15	30.2	M6		3.6	
2TK	11	VS	467	468	48.5	119	20	39.7	M8		3.7	
2TK	14	VS	469	470	49	124	20	39.7	M8		3.9	
2TK	16	VS	471	472	49	128	20	39.7	M8		4.1	cilindrata per N° giri medi.
2TK	19	VS	473	474	49	133	20	39.7	M8		4.3	
												VSE = advisable from 14cc To 26cc - Discharge flow distributed externally.

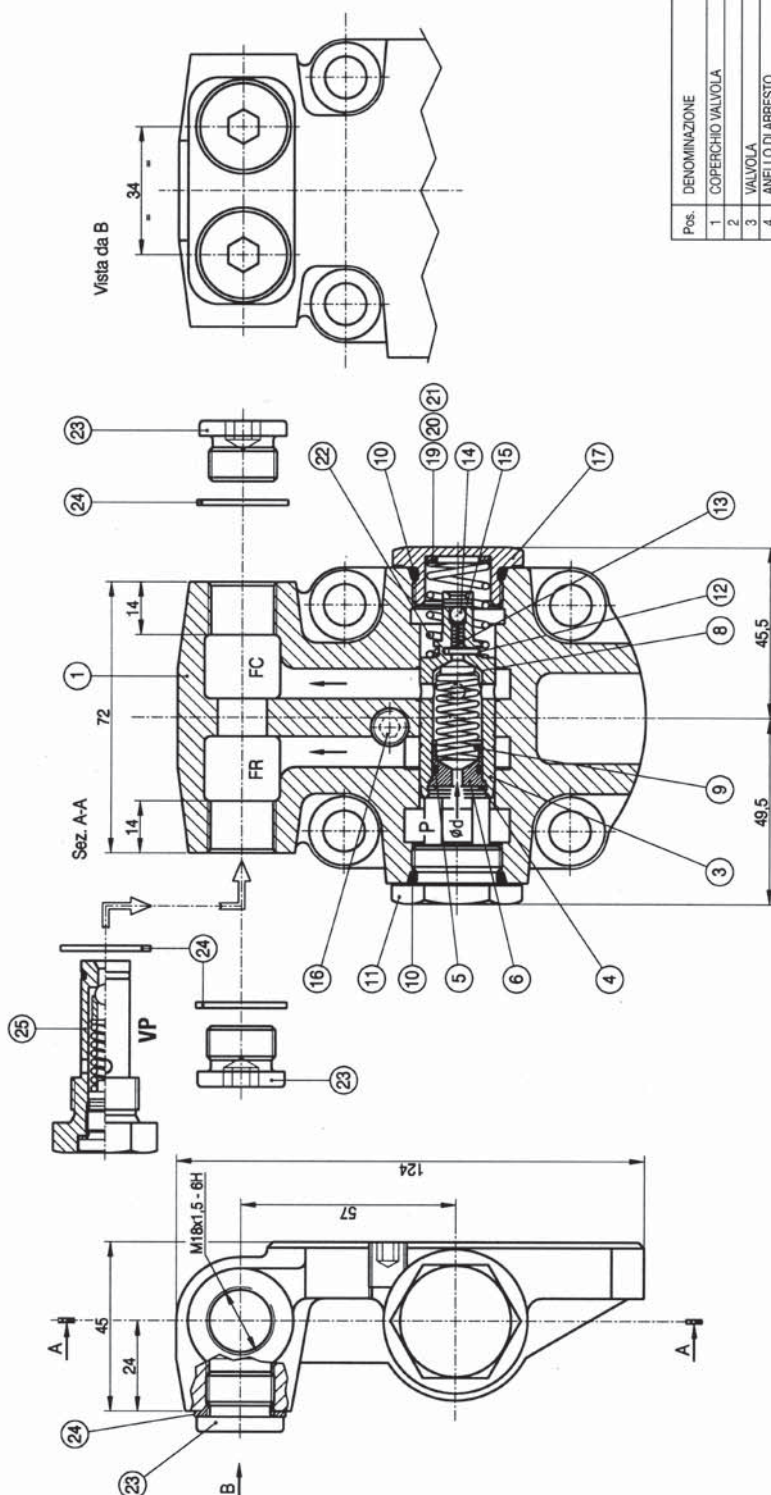


CODICE			Articolo pompa N°		DIMENSIONI					PRIORITY FLOW COSTANT - DIVIDER VALVOLA REGOLATRICE DI PORTATA cost. FC						
SERIE	CM³	CONFIG.	Rotazione		A	B	H	C	D	1 FC Litr/Min Costant.	1 FC Litr/Min Costant.	P BAR	1 FC Litr/Min Costant.	T	1 FC Litr/Min Costant.	P BAR
FB Type			SX	DX												
2TK	11	RFC			48,5	96				15	e	100				
2TK	14	RFC			49	101				19			16			
2TK	16	RFC			49	105										
2TK	19	RFC			49	110				22	6	80	19		11	80
2TK	22	RFC			56,5	115					11	100			8	60
2TK	26	RFC			60	121							24			
FP type																
2TK	11	RFC				96	48	19	39,7	15						
2TK	14	RFC				101	49	19	39,7	19						
2TK	16	RFC				105	55,5	19	39,7	19			16			
2TK	19	RFC				110	59	19	39,7				25		11	
2TK	22	RFC				115	59	19	39,7						8	100
2TK	26	RFC														



2TK 14 D-TI-RFC 2-25

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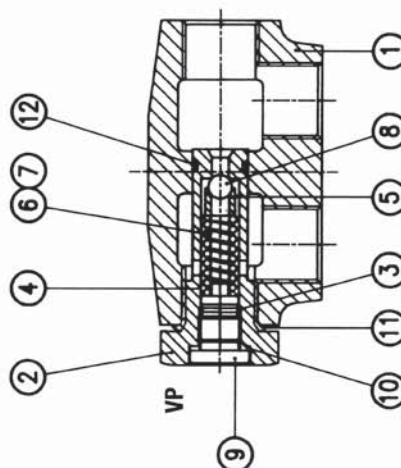
Pos.	DENOMINAZIONE	Codice	n° Pezzi
1	COPERCHIO VALVOLA		
2			
3	VALVOLA	9134	1
4	ANELLO DI ARRESTO	9114	1
5	GUARNIZIONE OR Ø 10X1,5	9117	1
6/1	DOSATORE DI PORTATA	9104	1
6/2	DOSATORE DI PORTATA	9104	1
6/3	DOSATORE DI PORTATA	9104	1
6/4	DOSATORE DI PORTATA	9104	1
7			
8	FILTRO	9106	1
9	MOLLA FILTRO	9141	1
10	GUARNIZIONE OR Ø 21,3X2,4		
11	COPERCHIO DISTANZIALE	9136	1
12	FILO AMMORTIZZATORE	9108	1
13	MOLLA SFERA	9109	1
14	SFERA Ø4	9116	1
15	SPINA ELASTICA	9112	1
16	GRANO M10X1,5	9142	1
17	COPERCHIO PORTAMOLLA	9137	1
18			
19	SPESSORE DI REGOLAZIONE 0,3		
20	SPESSORE DI REGOLAZIONE 0,5		
21	SPESSORE DI REGOLAZIONE 1		
22	MOLLA ESTERNA		
23	TAPO M18X1,5	9138	1
24	GUARNIZIONE RAME	9144	2
25	VALVOLA LIMITATRICE PRESSIONE VP	9150	1

FC - flusso costante
 FR - flusso residuo
 P - condotto pressione
 d = diametro dosatore portata in FC
 Vp = valvola limitatrice di pressione
 S = Spessori di regolazione pressione

Il diametro del foro (d) determina la portata in FC che può variare da 4,6,8,10,12,16,20 litri al minuto con una tolleranza di $\pm 6\%$.

Gli spessori (s) determinano la pressione di taratura in FC, scalarmente di 10 bar, da un min. di 40 ad un max. di 150 bar con tolleranza di $\pm 5\%$. Con l'utilizzo della valvola VP il condotto FC è comunicante con FR.

Per rendere possibili le diverse soluzioni e per soddisfare le molteplici esigenze di cablaggio dei vari tipi di raccordi e relative tubazioni, le condutture FC ed FR sono state dotate di doppie bocche di presa (laterali X, posteriori Y).



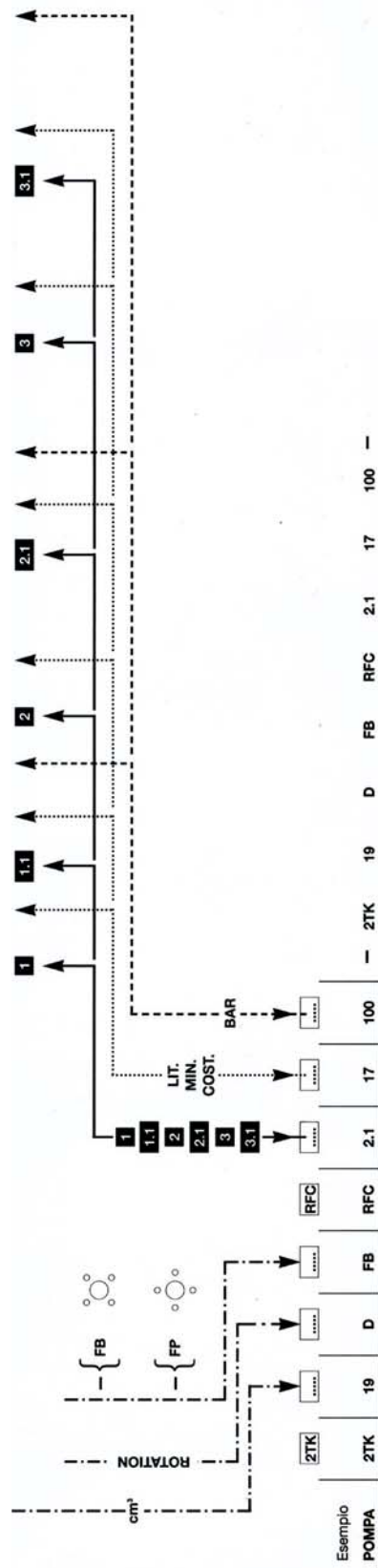
CODICE DI ORDINAZIONE	
2	GRUPPO
TK	ESECUZIONE
19	CILINDRATA
FB-FP	FORATURA "IN"
RFC	VALVOLA DI FLUSSO

CODICI DI DISEGNO	
IN	SAUG - ASPIRATION - ASPIRAZIONE
FC	FLUSSO COSTANTE PRIORITARIO
FR	FLUSSO RESIDUO
P	PRESSIONE
T	SCARICO

SERIE 2TK RFC

- FORATURA CORPO FB
- FORATURA CORPO NH
- VALVOLA REGOLATRICE
- VALVOLA PRESSIONE

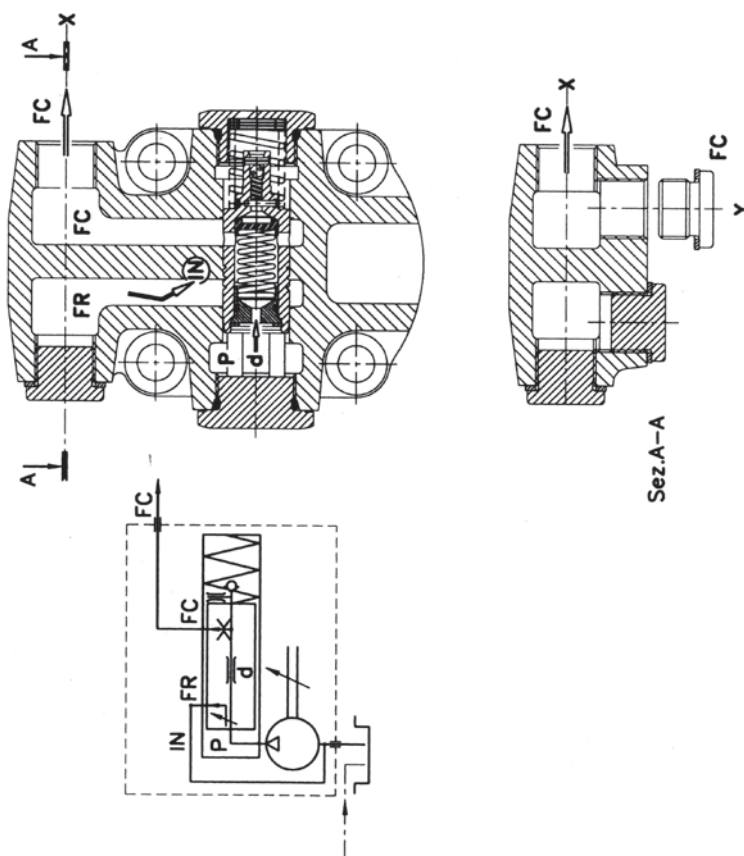
CILINDRATA DISPLACEMENT FÖRDERVOLUMEN cm³ x giro/rev-U-t		DIMENSIONI - COTE - MA8						VALVOLA REGOLATRICE DI PORTATA cost. FC										VALVOLA RIPARTITRICE FC + FR					LISTINO ART. N° S D							
		A	B	H	C	E	1	FC	1.1	FC	P	2	FC	T	2.1	FC	P	T	3	FC	FR	3.1			FC	FR	PT	BAR		
FB type																														
cm³	11	48,5	96						15	8	100																		1199	1200
cm³	14	49	101						19			16											10						1219	1220
cm³	16	49	105																										1229	1230
cm³	19	49	110						22	6	80	19					11	80										1241	1242	
cm³	22	56,5	115							11	100						8	60					6			80		1247	1248	
cm³	26	60	121									24											12					1257	1258	
FC type																														
cm³	11		96	48	19	39,7			15																					
cm³	14		101	49	19	39,7																				40			1267	1268
cm³	16		105	55,5	19	39,7			19														4						1287	1288
cm³	19		110	59	19	39,7						16																	1299	1300
cm³	22		115	59	19	39,7						25					11									80			1329	1330
cm³	26																8	100											1349	1350





1

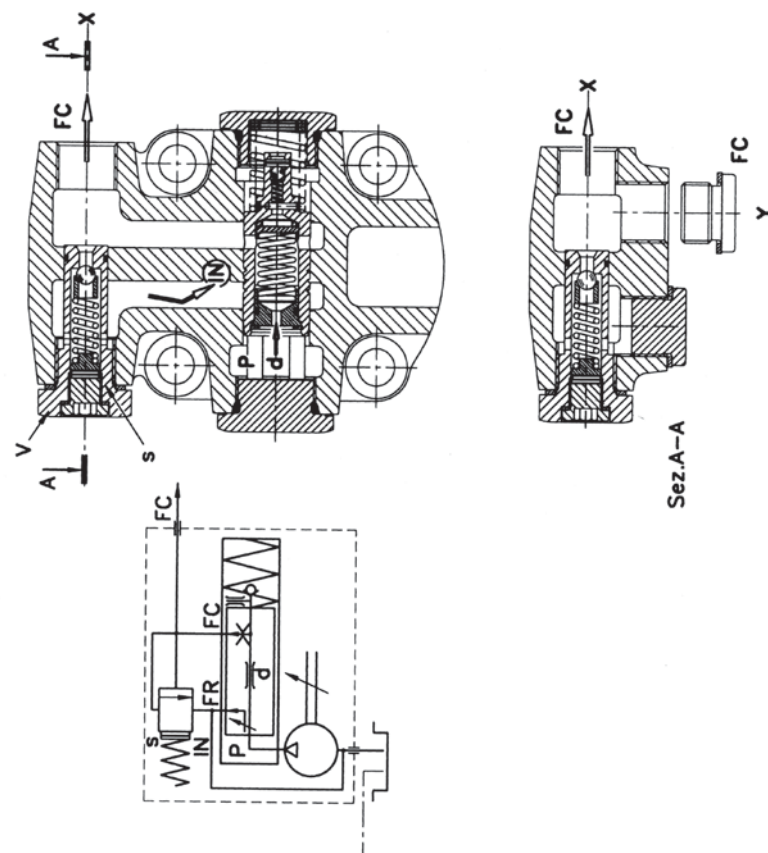
cod. FC



Il flusso costante **Fc** è indipendente dalla pressione d'esercizio e dalla variazione di portata generata dalla pompa (condotto **P**).
 Il flusso eccedente **Fr** viene riciclato alla aspirazione pompa attraverso il foro (**IN**).

1.1 con valvola di pressione

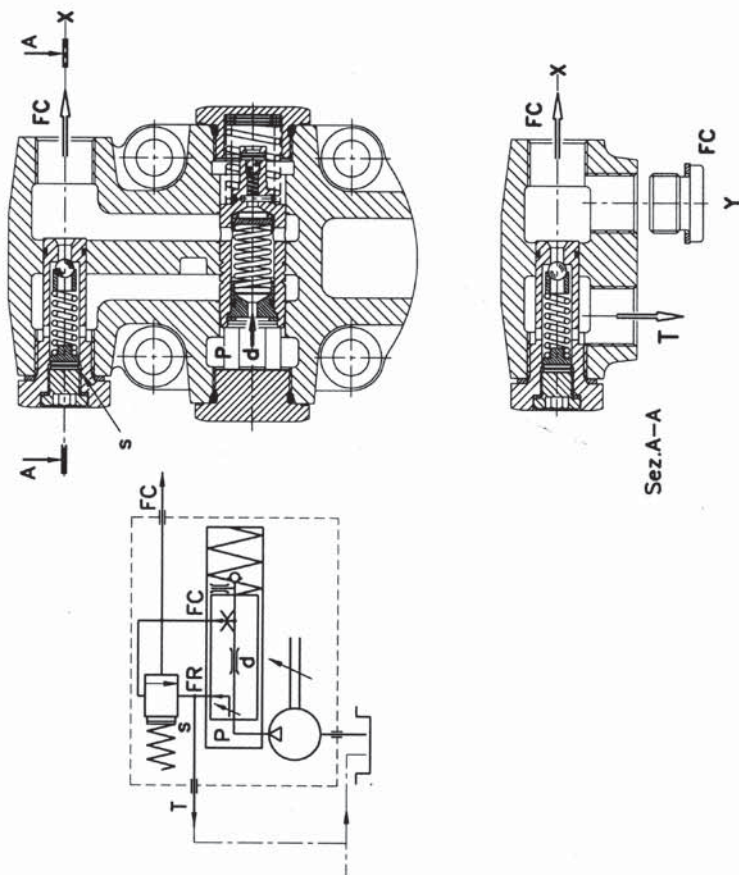
cod. FC P



Sul circuito a flusso costante **Fc** agisce la valvola limitatrice di max pressione. Il suo scarico si unisce al flusso eccedente **Fr** e con questo riciclato nell'aspirazione pompa attraverso il foro (**IN**) (Scarico interno)

2.1 con valvola di pressione

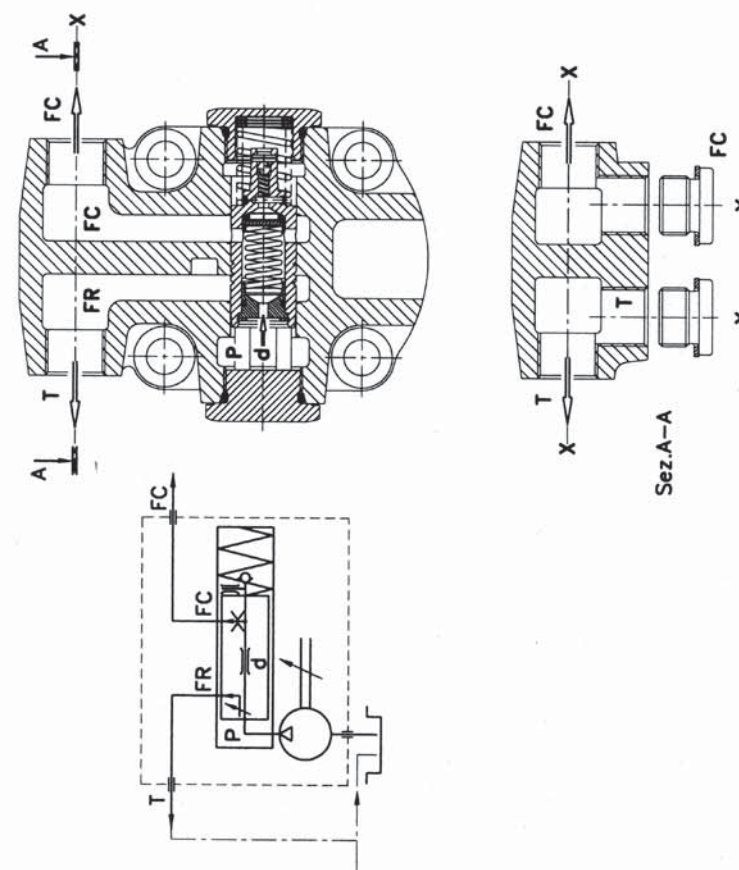
cod. **FC P T**



Sul circuito a flusso costante agisce la valvola limitatrice di max pressione. Il suo scarico si unisce al flusso eccedente per collegarsi allo scarico serbatoio (Scarico esterno) (Se i valori portata-pressione sono elevati, per evitare il surriscaldamento della pompa)

2

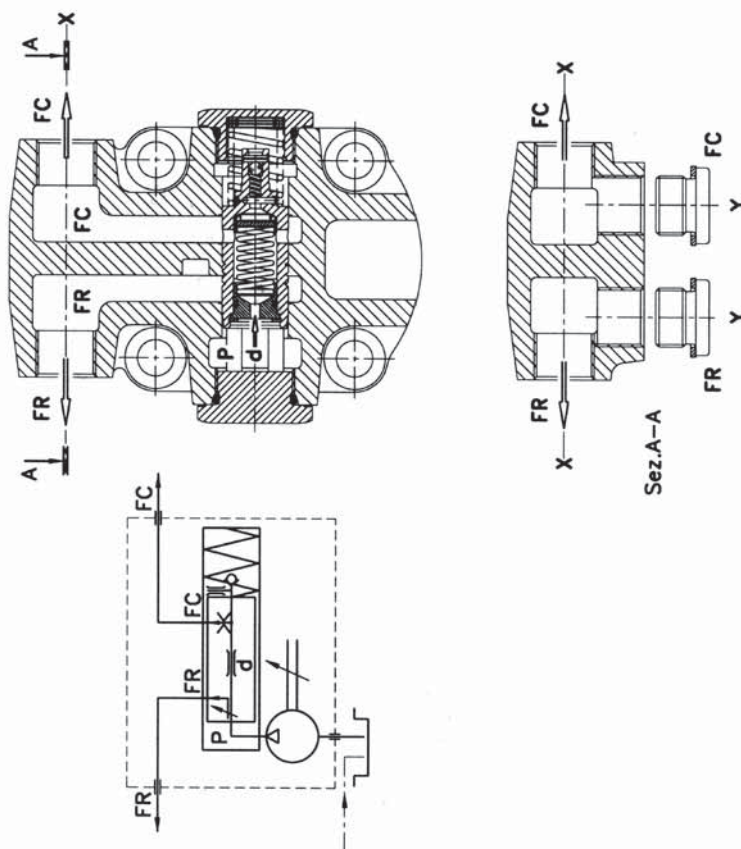
cod. **FC T**



Fc - linea indipendente Q const.
Fr = il flusso eccedente viene riciclato al serbatoio quando i suoi valori elevati generano surriscaldamento nella pompa.

3

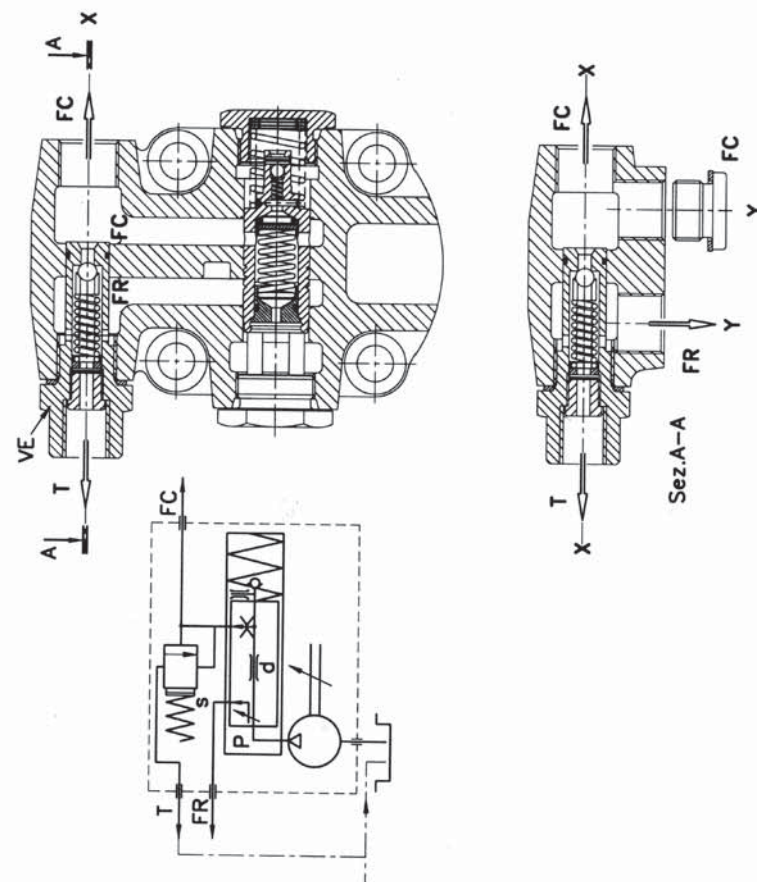
cod. **FC FR**



Fc - Circuito prioritario (guida) (flusso costante) indipendente dalla propria pressione d'esercizio e dalla portata generata dalla pompa attraverso il condotto P.
Fr - Circuito secondario - Volume restante tra la portata totale della pompa e il valore di Fc costante (distributore)

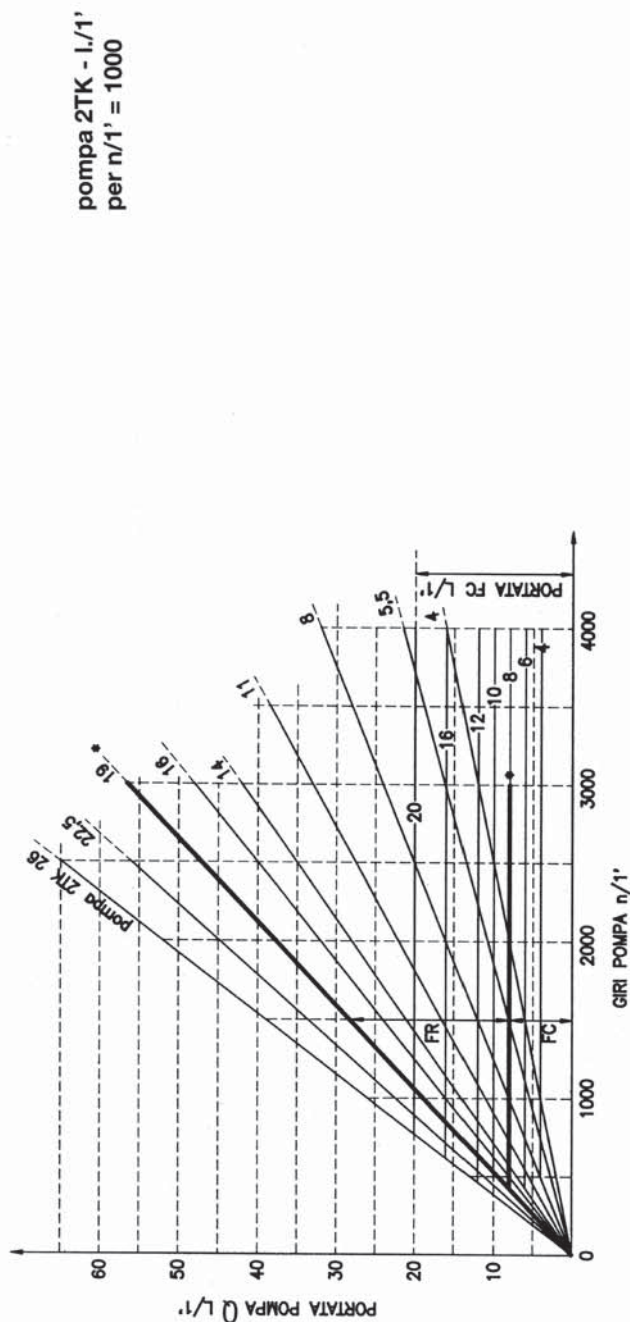
3.1 con valvola di pressione

cod. **FC FR PT**



Fc - Sul circuito Fc costante agisce la valvola limitatrice di pressione VE a scarico esterno (serbatoio).
Fr - La linea Fr alimenta con pressione indipendente da Fc altri utilizzi (distributori)

Diagramma delle portate in litri al 1': **Q** della pompa, **FC** del circuito prioritario, **FR** del circuito restante, in funzione del numero di giri **n** al 1'. La lettura comparativa serve per la scelta della pompa; conoscendo la portata indispensabile in FC, quella necessaria in FR ed i giri min. max., dove $Q = FC + FR$;



La taratura (foro d) della portata in FC viene eseguita con olio alla temperatura di 50° C° e con viscosità di 32 mm²/S. La variazione di detta portata è compresa nell'intervallo ±5%, comunque anche al variare del numero dei giri e della pressione indipendente in FC ed in FR, da 3 bar a 150 bar.

* Esempio:

$Q = 28,5 \text{ l./1'}$ Portata erogata dalla pompa a $n = \text{giri al 1'}$

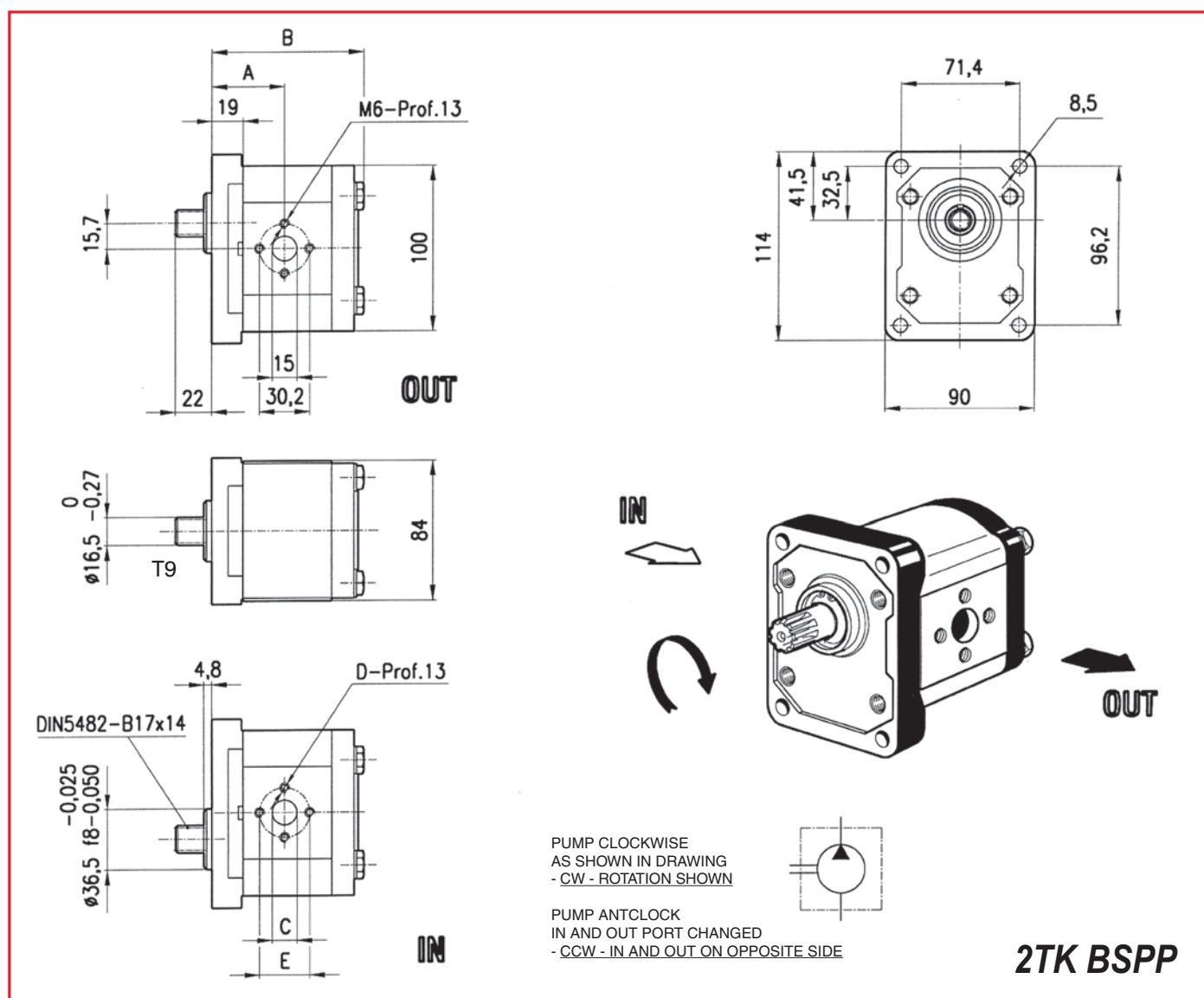
$FC = 8 \text{ l./1'}$ Portata costante comando servosterzo o altro servizio prioritario

$FR = 20,5 \text{ l./1'}$

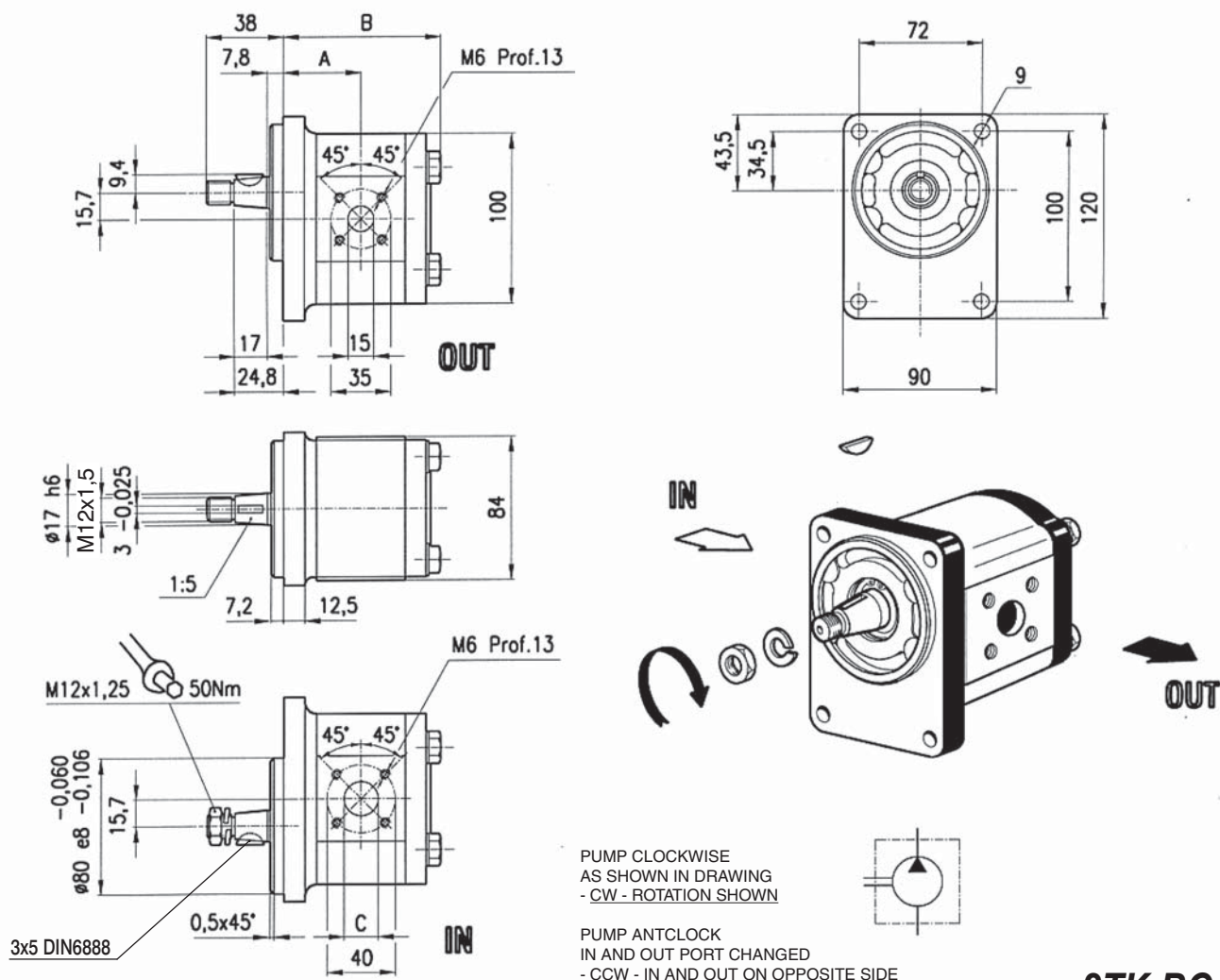
{ - Portata restante disponibile per il comando del o degli altri servizi, se viene utilizzata la pompa con valvola RIPARATRICE. (soluzioni 3 e 3.1).
- Portata restante riciclata in aspirazione o al serbatoio, se viene utilizzata la pompa con valvola REGOLATRICE. (soluzioni 1 e 2).

al massimo regime $n = 3000$ ($Q 57 - FC8$) = $FR 49 \text{ l./1'}$

al minimo regime $n = 500$ in FC è assicurata la portata di 8 l./1'

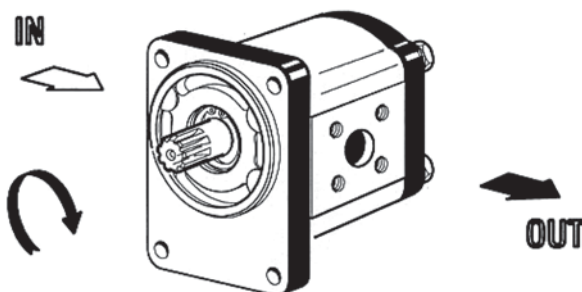
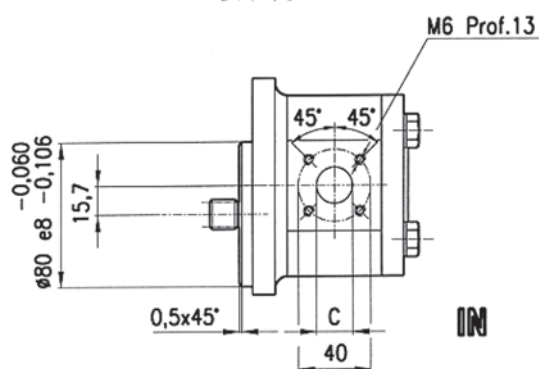
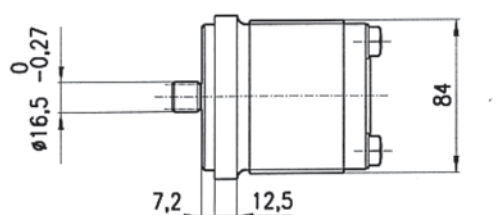
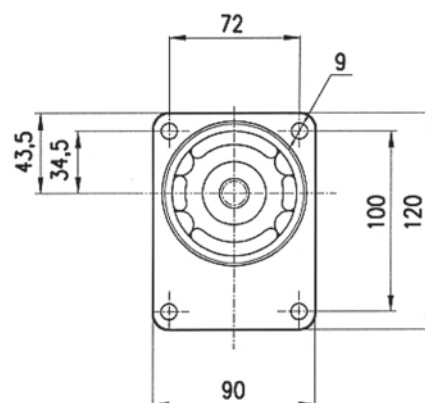
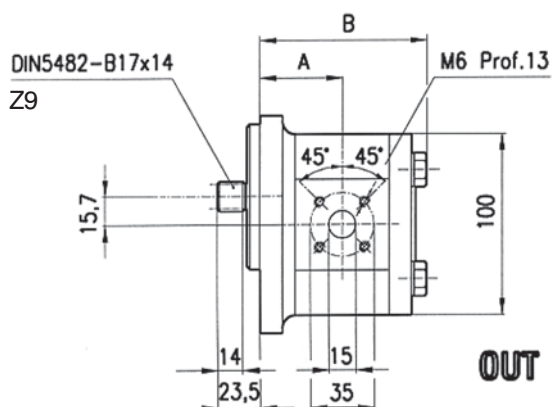


CODICE			Articolo pompa N°		DIMENSIONI						MASSA (Kg)	NOTE
SERIE	CM³	CONFIG.	Rotazione		A	B	C	D	E			
2TK	4	BSPP	SX	DX	41.3	86.7	13.5	30.2	M6		2.8	
2TK	5.5	BSPP	527	528	42.5	89.2	13.5	30.2	M6		2.85	
2TK	8	BSPP	529	530	44.6	93.3	13.5	30.2	M6		2.9	
2TK	11	BSPP	531	532	48.5	98.3	20	39.7	M8		3	
2TK	14	BSPP	533	534	49	103.3	20	39.7	M8		3.2	
2TK	16	BSPP	535	536	49	106.7	20	39.7	M8		3.4	
2TK	19	BSPP	537	538	49	111	20	39.7	M8		3.6	
2TK	19	BSPP	543	544	60	111	20	39.7	M8		3.6	
2TK	22.5	BSPP	539	540	62.5	117	20	39.7	M8		3.8	
2TK	26	BSPP	541	542	60	123	20	39.7	M8		4	
			549	550								



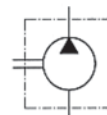
2TK BC

CODICE			Articolo pompa N°		DIMENSIONI						MASSA (Kg)	NOTE
SERIE	CM³	CONFIG.	Rotazione		A	B	C					
			SX	DX								
2TK	4	BC	551	552	39,8	85,2	15				2,8	
2TK	5,5	BC	553	554	41	87,5	15				2,85	
2TK	8	BC	555	556	43,1	91,8	20				2,9	
2TK	11	BC	557	558	47	96,8	20				3	
2TK	14	BC	559	560	47,5	101,8	20				3,2	
2TK	16	BC	561	562	47,5	105,2	20				3,4	
2TK	19	BC	563	564	47,5	110	20				3,6	
2TK	22,5	BC	565	566	55	116	20				3,8	
2TK	26	BC	567	568	60	123	20				4,2	



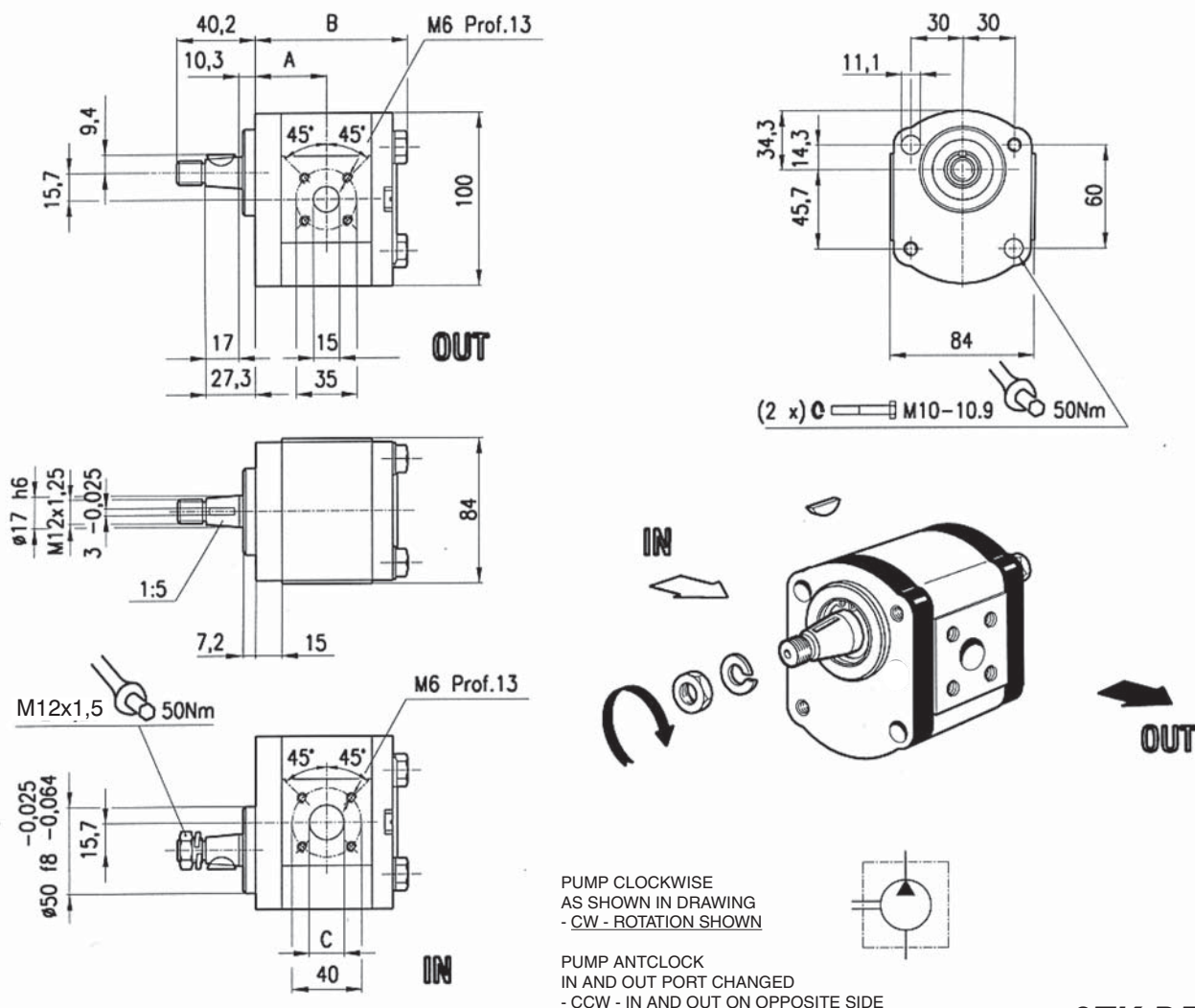
PUMP CLOCKWISE
AS SHOWN IN DRAWING
- CW - ROTATION SHOWN

PUMP ANTICLOCK
IN AND OUT PORT CHANGED
- CCW - IN AND OUT ON OPPOSITE SIDE



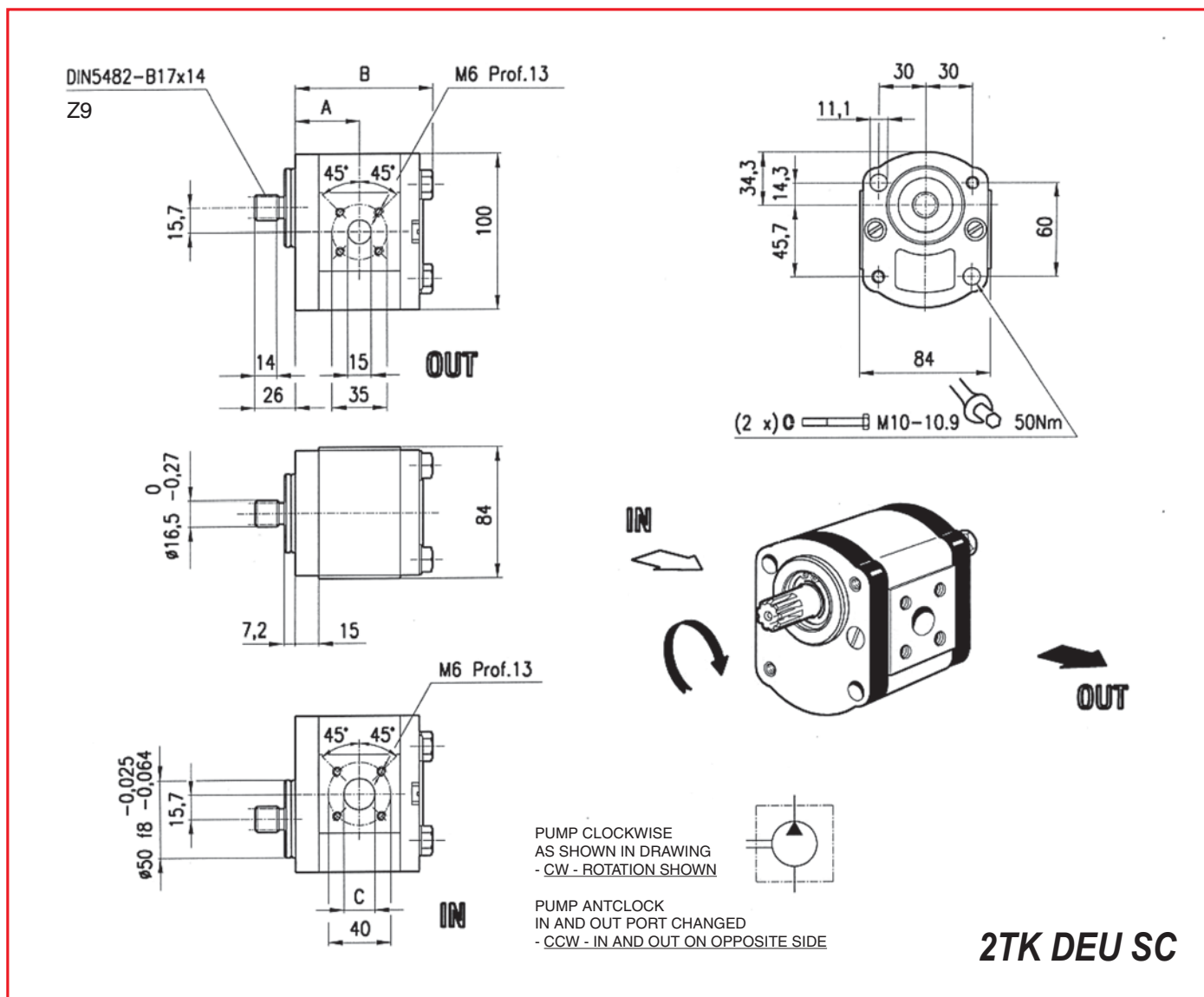
2TK BS

CODICE			Articolo pompa N°		DIMENSIONI						MASSA (Kg)	NOTE
SERIE	CM³	CONFIG.	Rotazione		A	B	C					
			SX	DX								
2TK	4	BS	571	572	39,8	85,2	15				2,8	
2TK	5.5	BS	573	574	41	87,5	15				2.85	
2TK	8	BS	575	576	43,1	91,8	20				2,9	
2TK	11	BS	577	578	47	96,8	20				3	
2TK	14	BS	579	580	47,5	101.8	20				3,2	
2TK	16	BS	581	582	47.5	105,2	20				3,4	
2TK	19	BS	583	584	47,5	110,2	20				3,6	
2TK	22,5	BS	585	586	55	115.6	20				3,8	
2TK	26	BS	587	588							4.2	



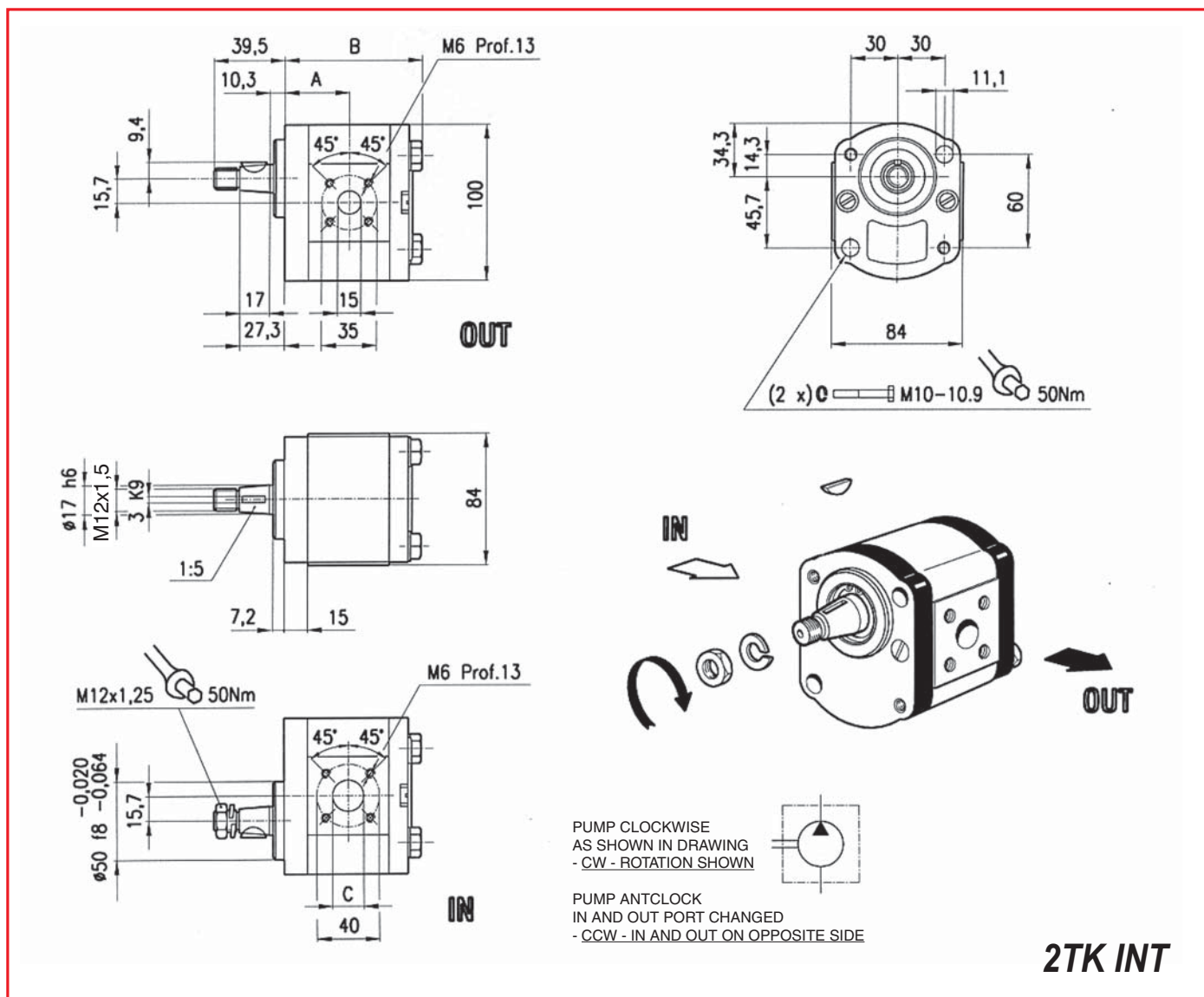
2TK DEU

CODICE			Articolo pompa N°		DIMENSIONI						MASSA (Kg)	NOTE
SERIE	CM³	CONFIG.	Rotazione		A	B	C					
			SX	DX								
2TK	4	DEU	591	592	37,3	73,7	15				2,4	
2TK	5,5	DEU	593	594	38,6	76,2	15				2,45	
2TK	8	DEU	595	596	40,6	80,3	20				2,5	
2TK	11	DEU	597	598	45	85,3	20				2,6	
2TK	14	DEU	599	600	45	90,3	20				2,8	
2TK	16	DEU	601	602	45	93,7	20				3	
2TK	19	DEU	603	604	45	98,7	20				3,2	
2TK	22,5	DEU	605	606	52,5	104	20				3,4	
2TK	26	DEU	817	884	57	120	20				3,8	

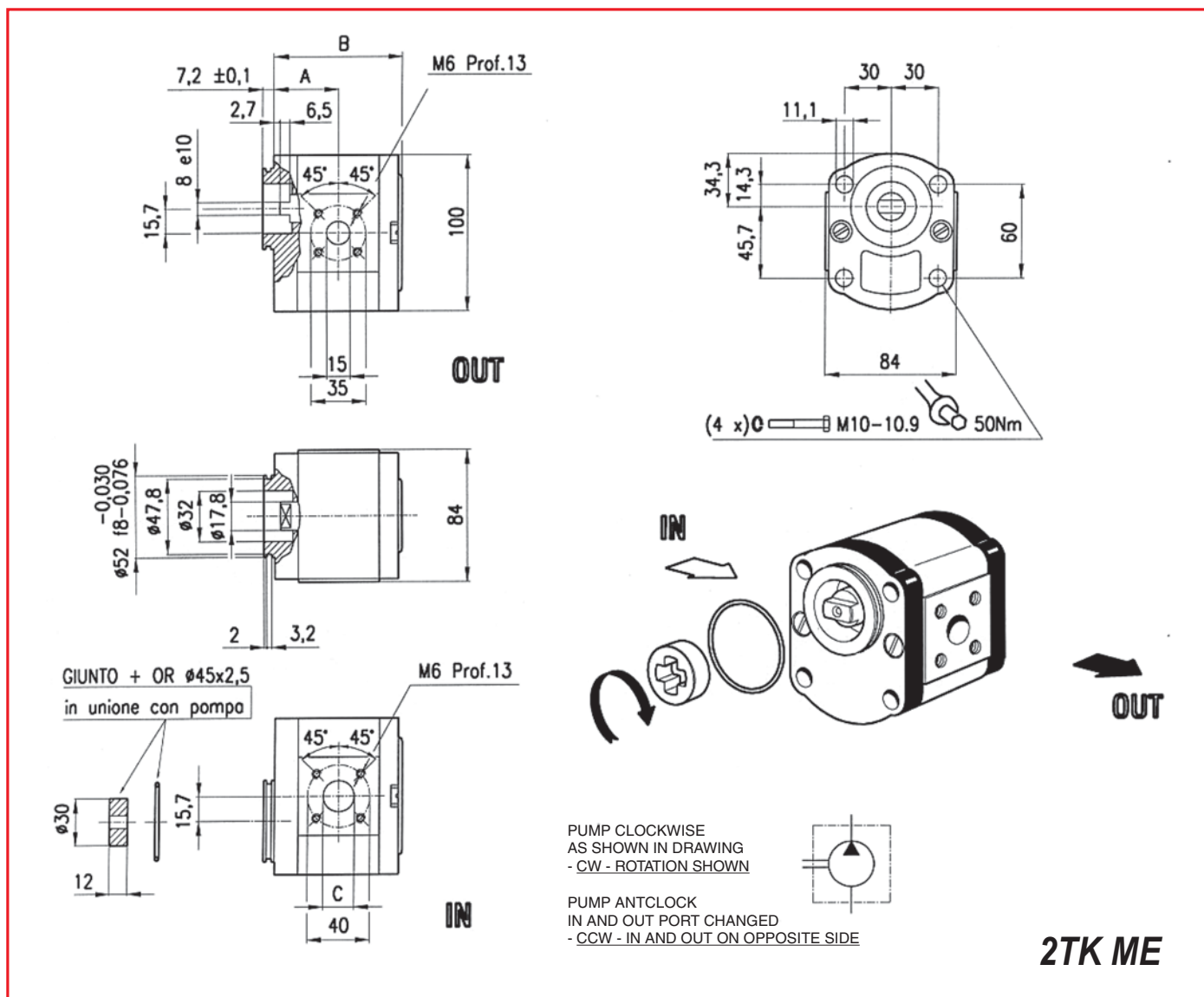


2TK DEU SC

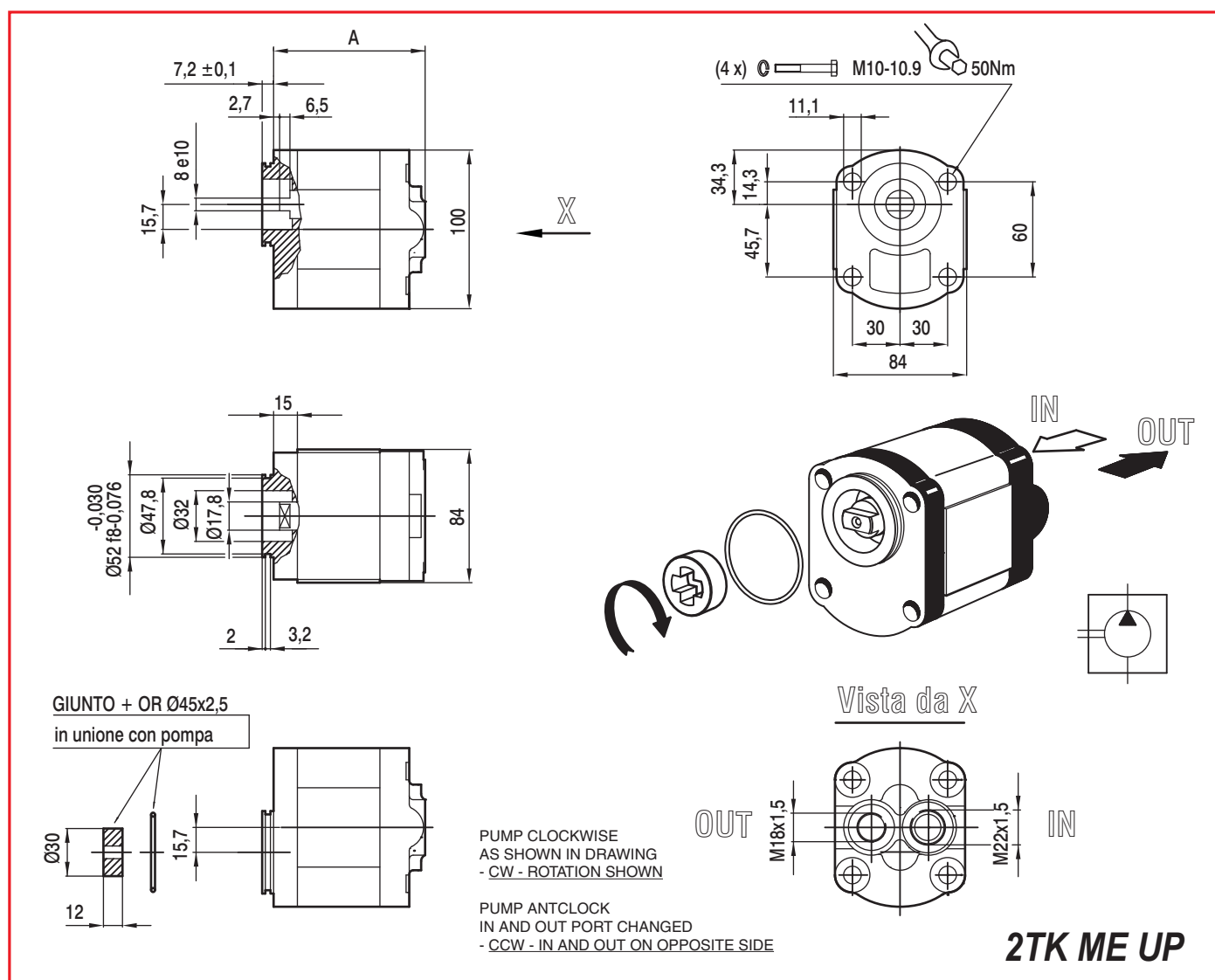
CODICE			Articolo pompa N°		DIMENSIONI						MASSA (Kg)	NOTE
SERIE	CM³	CONFIG.	Rotazione		A	B	C					
			SX	DX								
2TK	4	DEU SC	681	682	37,3	73.7	15				2.4	
2TK	5.5	DEU SC	683	684	38,6	76.2	15				2.45	
2TK	8	DEU SC	685	686	40,6	80,3	20				2.5	
2TK	11	DEU SC	687	688	45	85.3	20				2,6	
2TK	14	DEU SC	689	690	45	90.3	20				2.8	
2TK	16	DEU SC	691	692	45	93,7	20				3	
2TK	19	DEU SC	693	694	45	98.7	20				3,2	
2TK	22,5	DEU SC	695	696	52,5	104	20				3.4	



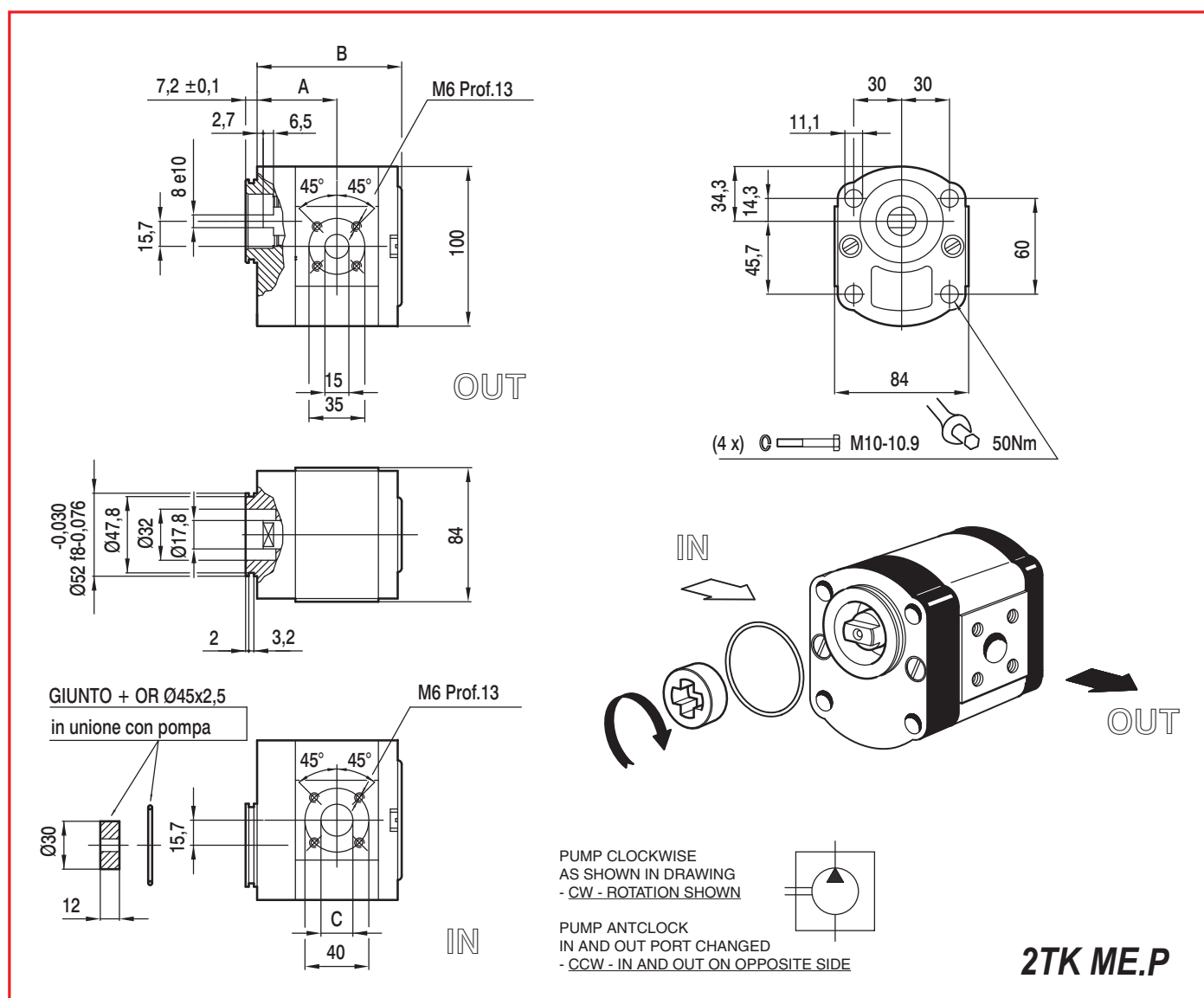
CODICE			Articolo pompa N°		DIMENSIONI						MASSA (Kg)	NOTE
SERIE	CM³	CONFIG.	Rotazione		A	B	C					
			SX	DX								
2TK	4	INT	705	706	37,3	73,7	15				2,4	
2TK	5,5	INT	707	708	38,6	76,2	15				2,45	
2TK	8	INT	709	710	40,6	80,3	20				2,5	
2TK	11	INT	711	712	45	85,3	20				2,6	
2TK	14	INT	713	714	45	90,3	20				2,8	
2TK	16	INT	715	716	45	93,7	20				3	
2TK	19	INT	717	718	45	98,7	20				3,2	
2TK	22,5	INT	719	720	52,5	104	20				3,4	
2TK	26	INT	729	730	56	110	20				3,6	



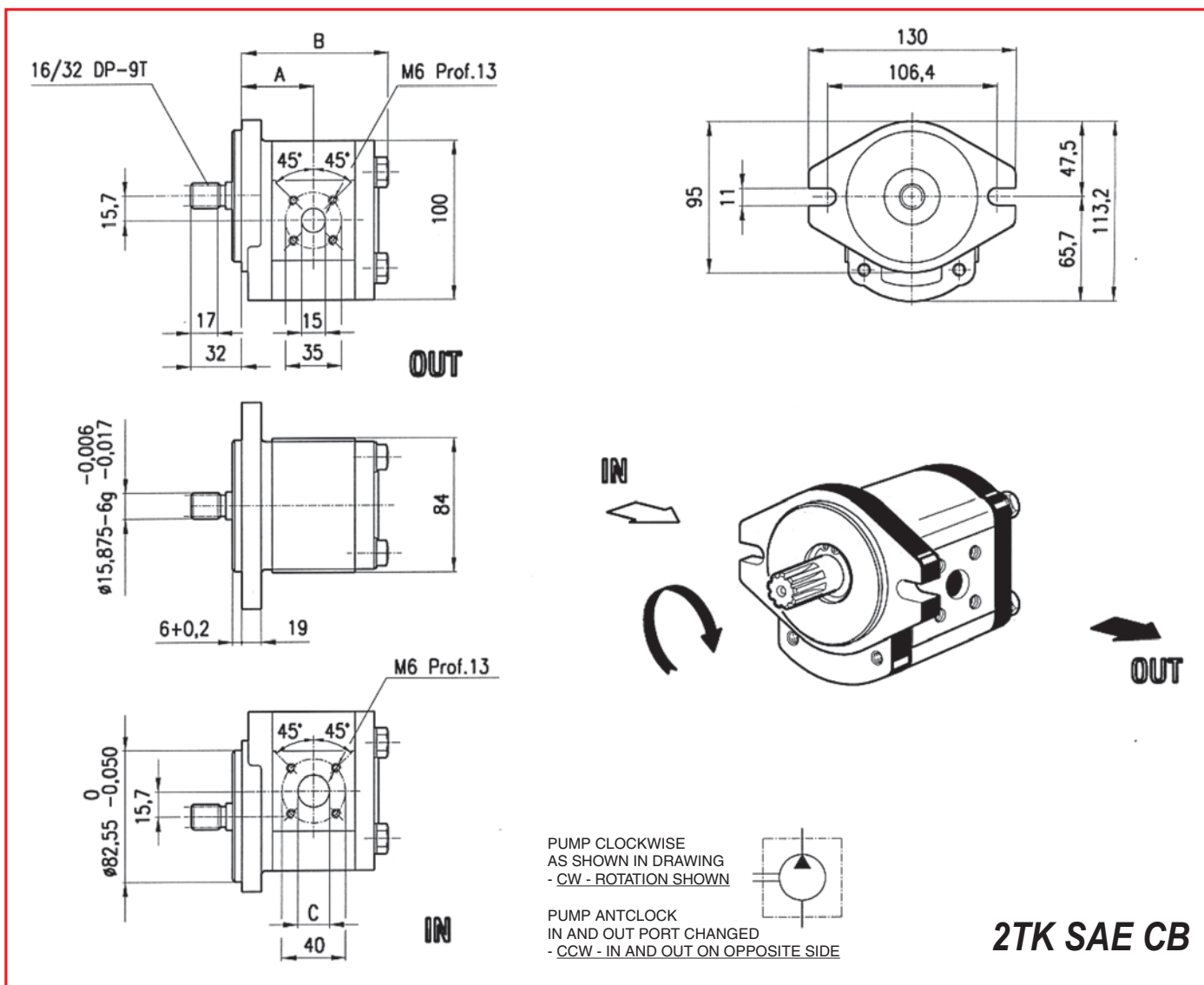
CODICE			Articolo pompa N°		DIMENSIONI						MASSA (Kg)	NOTE
SERIE	CM³	CONFIG.	Rotazione		A	B	C					
			SX	DX								
2TK	4	ME	743	744	37.3	73.7	15				2,4	
2TK	5.5	ME	745	746	38,6	76,2	15				2,45	
2TK	8	ME	747	748	40.6	80,3	20				2,5	
2TK	11	ME	749	750	45	85,3	20				2,6	
2TK	14	ME	751	752	45	90.3	20				2,8	
2TK	16	ME	753	754	45	93.7	20				3	
2TK	19	ME	755	756	45	98.7	20				3,2	
2TK	22,5	ME	757	758	52,5	104	20				3,4	
2TK	26	ME	873	874	56	110	20				3,6	



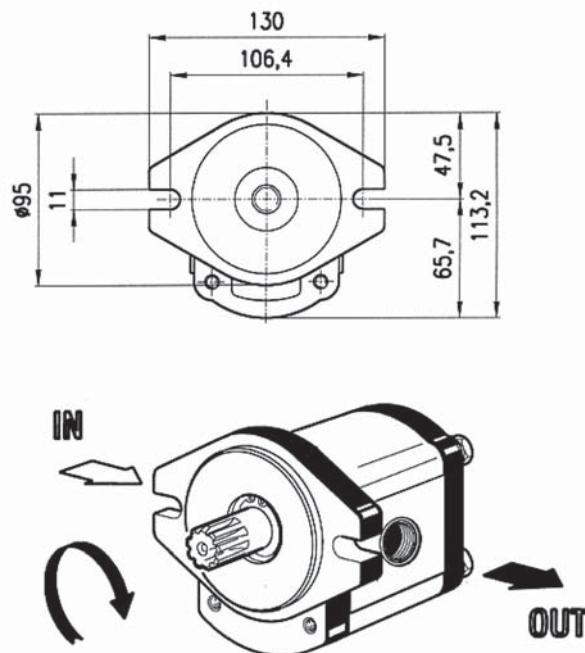
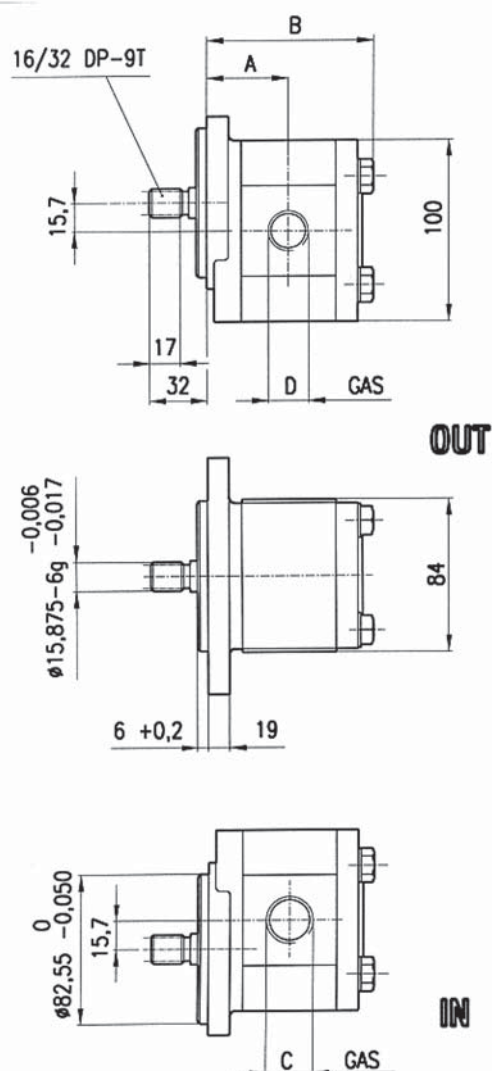
CODICE			Articolo pompa N°		DIMENSIONI						MASSA (Kg)	NOTE
SERIE	CM³	CONFIG.	Rotazione		A							
			SX	DX								
2TK	4	ME UP	1493	1494	88,24						2,5	
2TK	5,5	ME UP	1455	1502	90,74						2,6	
2TK	8	ME UP	1469	1470	94,49						2,6	
2TK	11	ME UP	1471	1472	99,84						2,7	
2TK	14	ME UP	1473	1474	104,80						2,9	
2TK	16	ME UP	1543	1544	108,24						3,2	
2TK	19	ME UP	1483	1484	113,24						3,4	
2TK	22,5	ME UP	1659	1564	118,64						3,5	
2TK	26	ME UP	1479	1480	124,54						3,7	



CODICE			Articolo pompa N°		DIMENSIONI						MASSA (Kg)	NOTE
SERIE	CM³	CONFIG.	Rotazione		A	B	C					
			SX	DX								
2TK	4	ME.P	939	940	46,3	83,7	15					
2TK	5,5	ME.P	941	942	47,6	86,2	15					
2TK	8	ME.P	943	944	49,8	90,3	20					
2TK	11	ME.P	945	946	54	95,3	20					
2TK	14	ME.P	947	948	54	100,3	20					
2TK	16	ME.P	949	950	54	103,7	20					
2TK	19	ME.P	951	952	54	108,7	20					
2TK	22,5	ME.P	953	954	61,5	114,1	20					
2TK	26	ME.P	955	956	65	120	20					

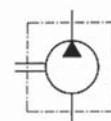


CODICE			Articolo pompa N°		DIMENSIONI						MASSA (Kg)	NOTE
SERIE	CM³	CONFIG.	Rotazione		A	B	C	D	E			
			SX	DX								
2TK	4	SAE CB	611	612	39.9	87.7	15				2,8	
2TK	5.5	SAE CB	613	614	41	90.2	15				2,85	
2TK	8	SAE CB	615	616	43.2	94.3	20				2.9	
2TK	11	SAE CB	617	618	47.5	99.3	20				3	
2TK	14	SAE CB	619	620	47.5	104.3	20				3.2	
2TK	16	SAE CB	621	622	47.5	107.7	20				3.4	
2TK	19	SAE CB	623	624	47.5	112.7	20				3,6	
2TK	22,5	SAE CB	625	626	55,1	118,1	20				4.1	
2TK	26	SAE CB	627	628	60	124	20				4,2	



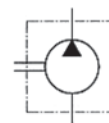
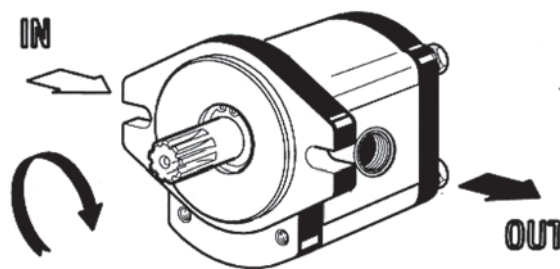
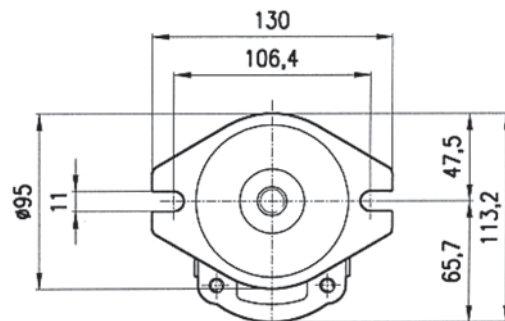
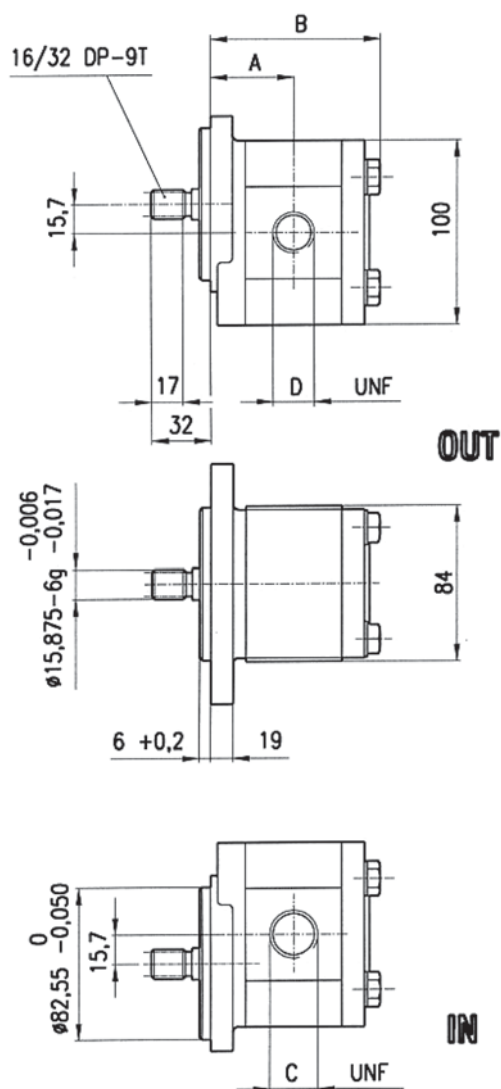
PUMP CLOCKWISE
AS SHOWN IN DRAWING
- CW - ROTATION SHOWN

PUMP ANTICLOCK
IN AND OUT PORT CHANGED
- CCW - IN AND OUT ON OPPOSITE SIDE



2TK SAE G

CODICE			Articolo pompa N°		DIMENSIONI		Aspirazione	MANDATA	MASSA	NOTE
SERIE	CM³	CONFIG.	Rotazione		A	B	IN	OUT	(Kg)	
			SX	DX			C			
2TK	4	SAE-G	651	652	41,4	87,7	G 3/8"	G 3/8"	2,8	
2TK	5,5	SAE-G	653	654	42,6	90,2	G 3/8"	G 3/8"	2,85	
2TK	8	SAE-G	655	656	44,7	94,3	G 3/8"	G 3/8"	2,9	
2TK	11	SAE-G	657	658	48,5	99,3	G 1/2"	G 3/8"	3	
2TK	14	SAE-G	659	660	49	104,3	G 1/2"	G 3/8"	3,2	
2TK	16	SAE-G	661	662	49	107,7	G 1/2"	G 3/8"	3,4	
2TK	19	SAE-G	663	664	49	111,7	G 3/4"	G 1/2"	3,6	
2TK	22,5	SAE-G	665	666	56,6	118,1	G 3/4"	G 1/2"	3,8	
2TK	26	SAE-G	667	668	60	124	G 3/4"	G 1/2"	4	
2TK	26	SAE-G	787	788	60	124	G 1"	G 1/2"	4	

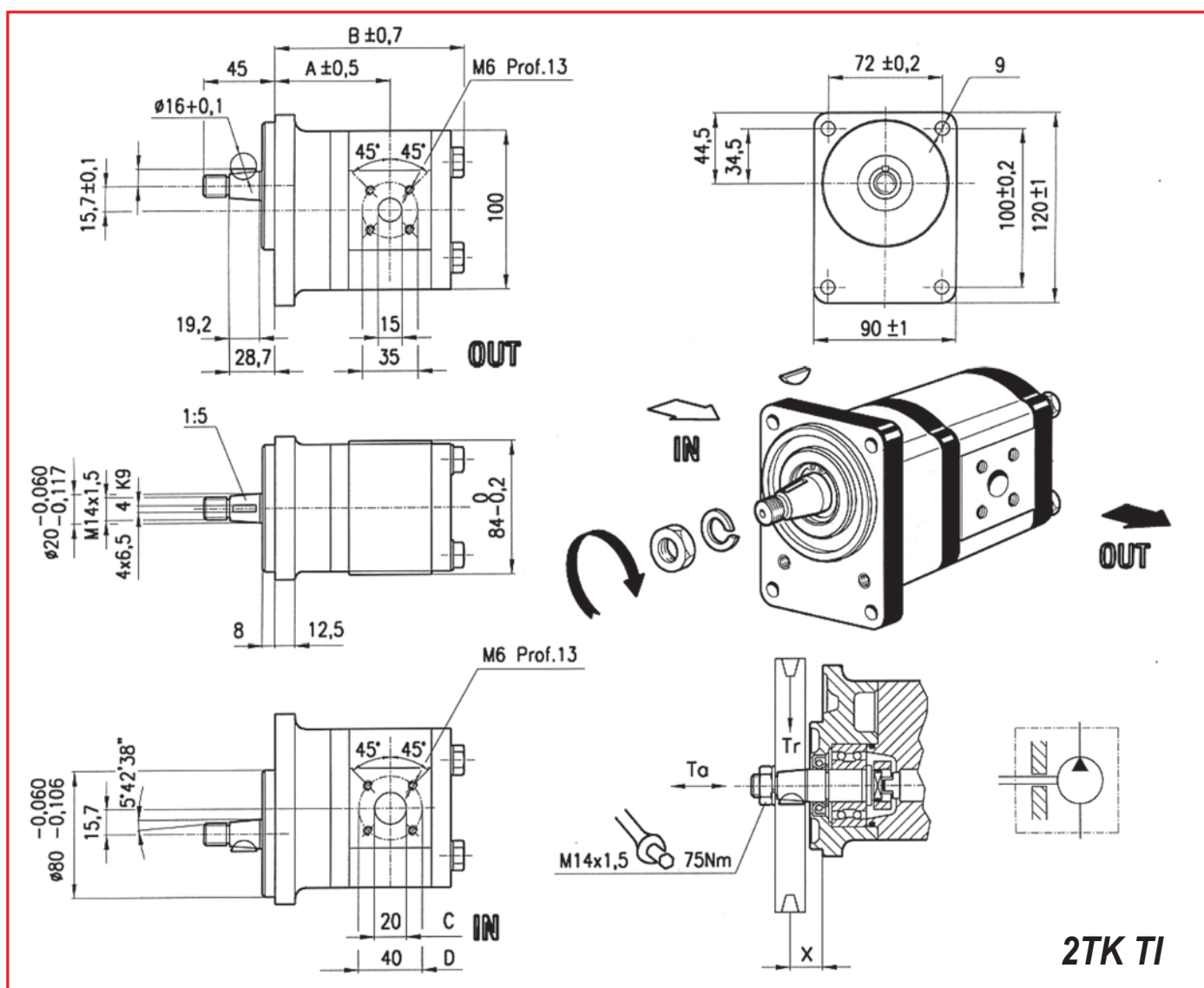


DISPONIBILI FILETTATURE UNF
SECONDO RICHIESTA.

ON REQUEST, DIFFERENT
HOLES IN AND OUT.

2TK SAE UNF

CODICE			Articolo pompa N°		DIMENSIONI					MASSA (Kg)	NOTE
SERIE	CM³	CONFIG.	Rotazione		A	B	C	D			
2TK	4	SAE-UNF	SX	DX	41,4	87,7	1 1/16" -12UNF -2B	7/8-14UNF -2B		2,8	
2TK	5,5	SAE-UNF	631	632	42,6	90,2	1 1/16" -12UNF -2B	7/8-14DNF -2B		2,85	
2TK	8	SAE-UNF	633	634	44,7	94,3	1 1/16" -12UNF -2B	7/8-14UNF -2B		2,9	
2TK	11	SAE-UNF	635	636	48,5	99,3	1 1/16" -12UNF -2B	7/8-14UNF -2B		3	
2TK	14	SAE-UNF	637	633	49	104,3	1 1/16" -12UNF -2B	7/8-14UNF -2B		3,2	
2TK	16	SAE-UNF	639	640	49	107,7	1 1/16" -12UNF -2B	7/8-14UNF -2B		3,4	
2TX	19	SAE-UNF	641	642	49	111,7	1 1/16" -12UNF -2B	7/8-14UNF -2B		3,6	
2TK	22,5	SAE-UNF	643	644	56,6	118,1	1 1/16" -12UNF -2B	7/8-14UNF -2B		3,8	
2TK	26	SAE-UNF	645	646	60	124	1 1/16" -12UNF -2B	7/8-14UNF -2B		4	
			647	648							

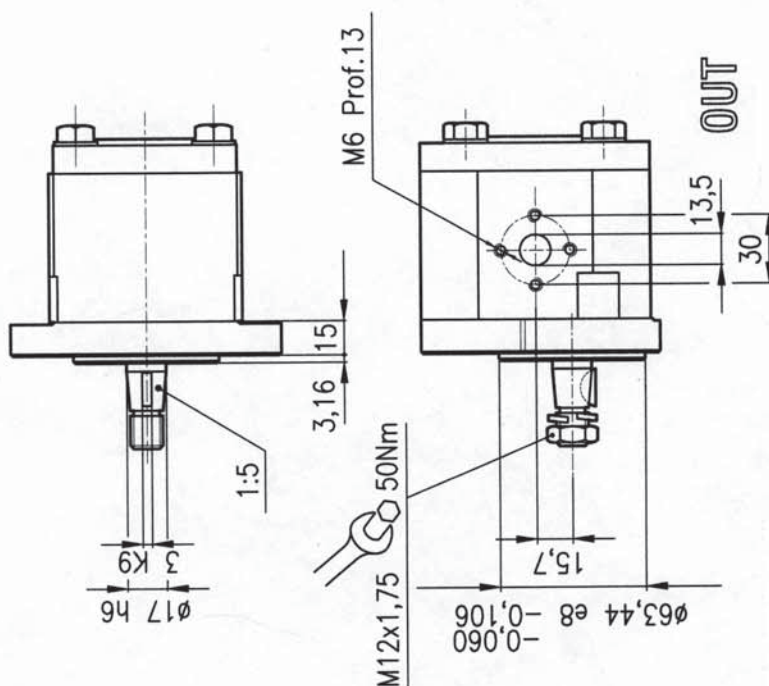


2TK TI

CODICE			Articolo pompa N°		DIMENSIONI					MASSA (Kg)	NOTE
SERIE	CM³	CONFIG.	Rotazione		A	B	C	D			
2TK	4	TI	SX	DX	71,3	87,7	15	40		3,4	
2TK	5,5	TI	791	792	72,6	90,2	15	40		3,45	
2TK	8	TI	793	794	74,7	94,3	20	40		3,5	
2TK	11	TI	795	796	79	99,3	20	40		3,6	
2TK	14	TI	797	798			20	40		3,8	
2TK	16	TI	807	808	79	107,7	20	40		4	
2TK	19	TI	799	800	79	111,7	20	40		4,2	
2TK	22,5	TI	801	802	88,5	118,1	20	40		4,7	
2TK	26	TI	803	804	90	124	20	40		4,9	
			805	806							



PUMP ANTICLOCK
IN AND OUT PORT CHANGED
- CCW - IN AND OUT ON OPPOSITE SIDE



22



2TK - MF Massey Ferguson

23



2TK - MF2 Massey Ferguson

24

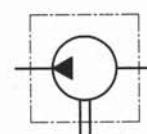
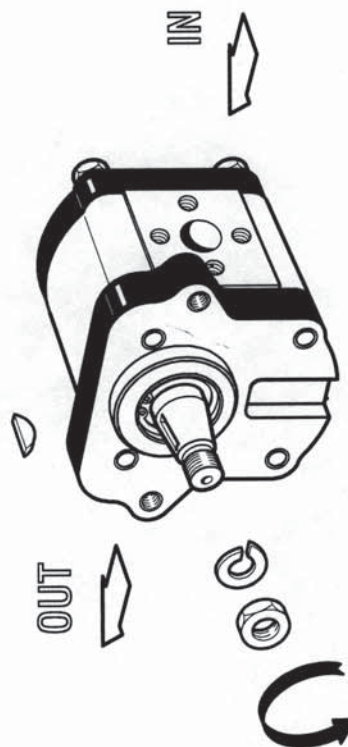
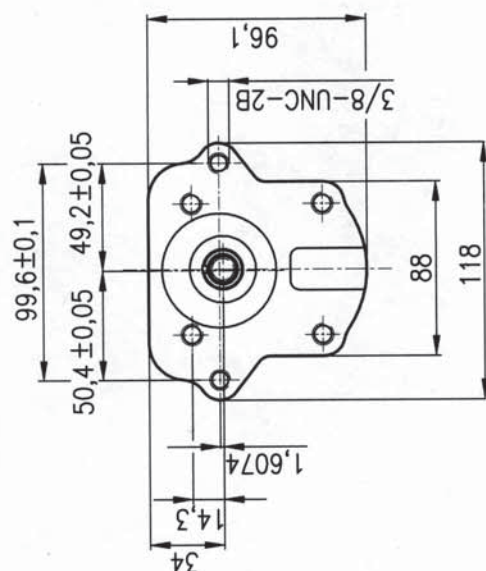


2TK - MF Massey Ferguson

25



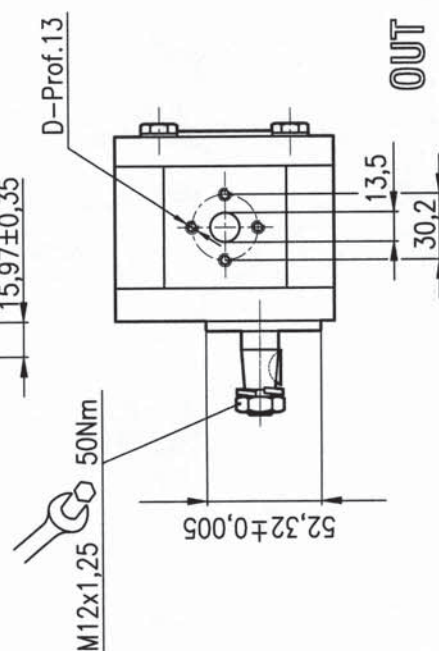
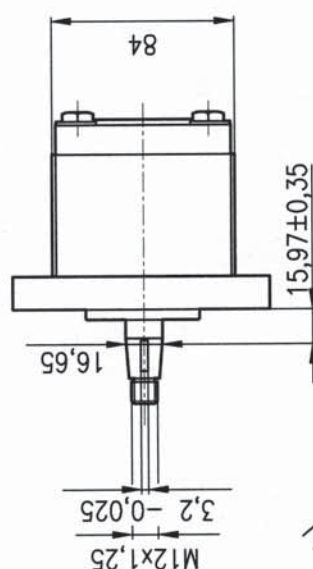
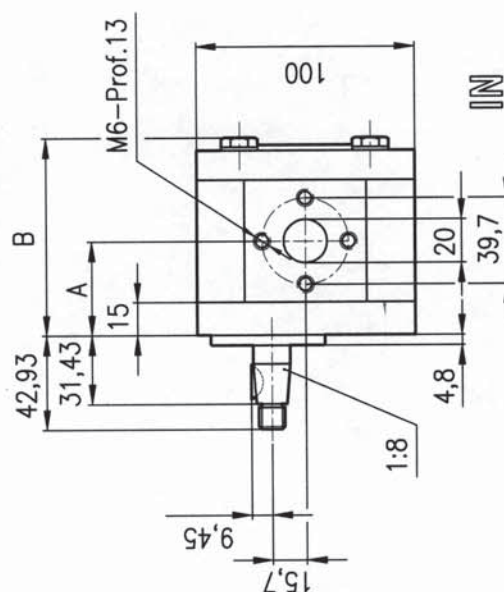
2TK Landini

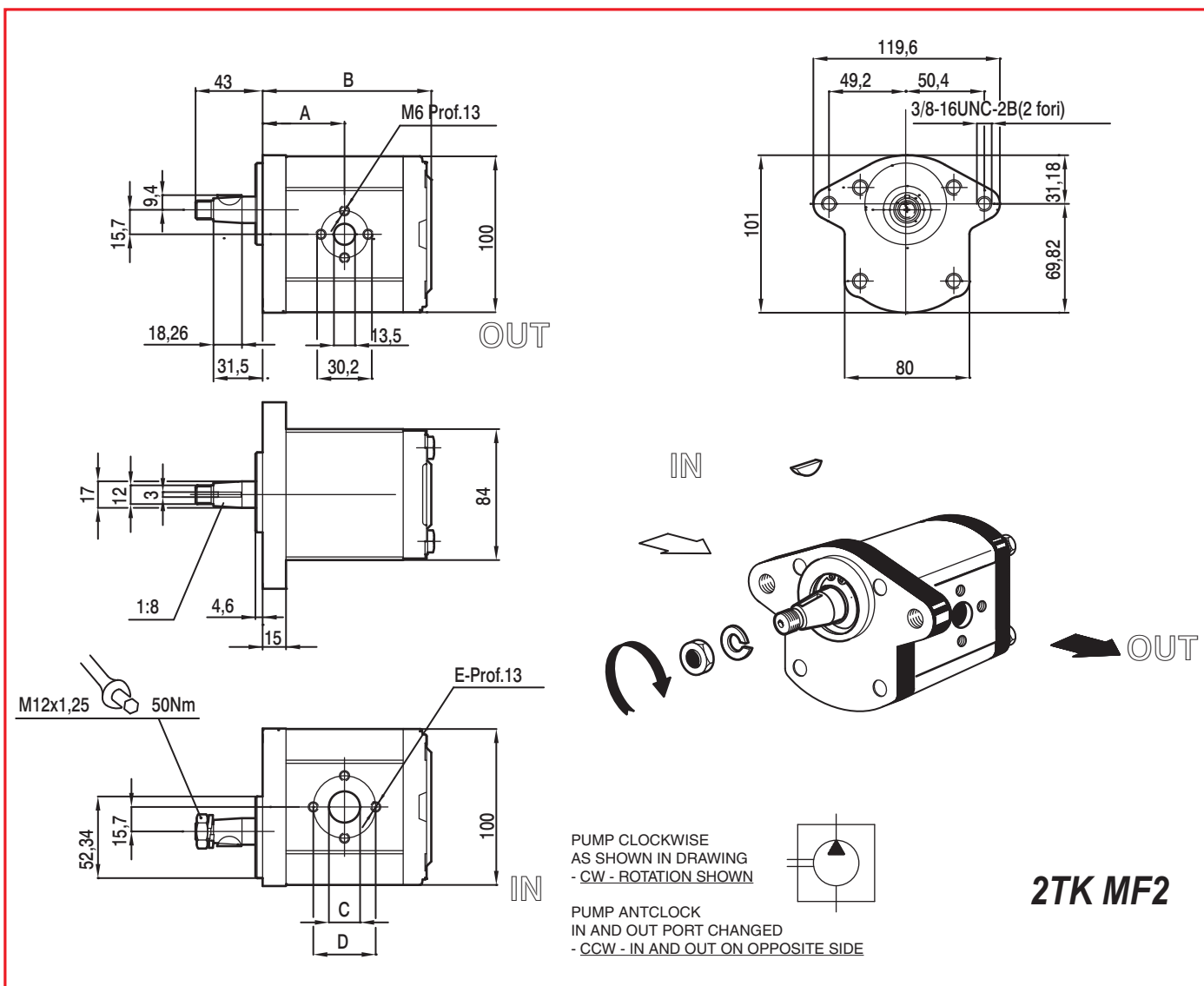


PUMP CLOCKWISE
AS SHOWN IN DRAWING
- CW - ROTATION SHOWN

PUMP ANTICLOCK
IN AND OUT PORT CHANGED
- CCW - IN AND OUT ON OPPOSITE SIDE

2TK MF





CODICE			Articolo pompa N°		DIMENSIONI						MASSA (Kg)	NOTE
SERIE	CM³	CONFIG.	Rotazione		A	B	C	D	C			
2TK	8	MF2FP V	SX	DX								
			1999	2000	40,6	84,34	15	30,2	M6			
2TK	11	MF2FP V										
			1791	1792	44,5	89,34	20	39,7	M8			
2TK	14	MF2FP V										
			1833	1834	45	90,34	20	39,7	M8			
2TK	16	MF2FP V										
			1211	1212	45	97,74	20	39,7	M8			
2TK	19	MF2FP V										
			1213	1214	45	102,74	20	39,7	M8			

26



FIAT - CNH

27



FIAT - CNH

28



FIAT - CNH

29



FIAT - CNH

30



FIAT - CNH

31



FIAT - CNH

32



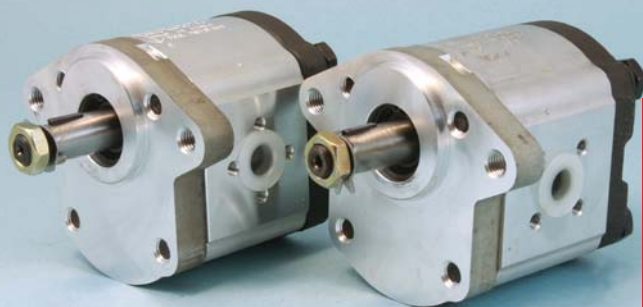
MASSEY - FERGUSON

33



MASSEY - FERGUSON

34



MASSEY - FERGUSON

35



MASSEY - FERGUSON

36

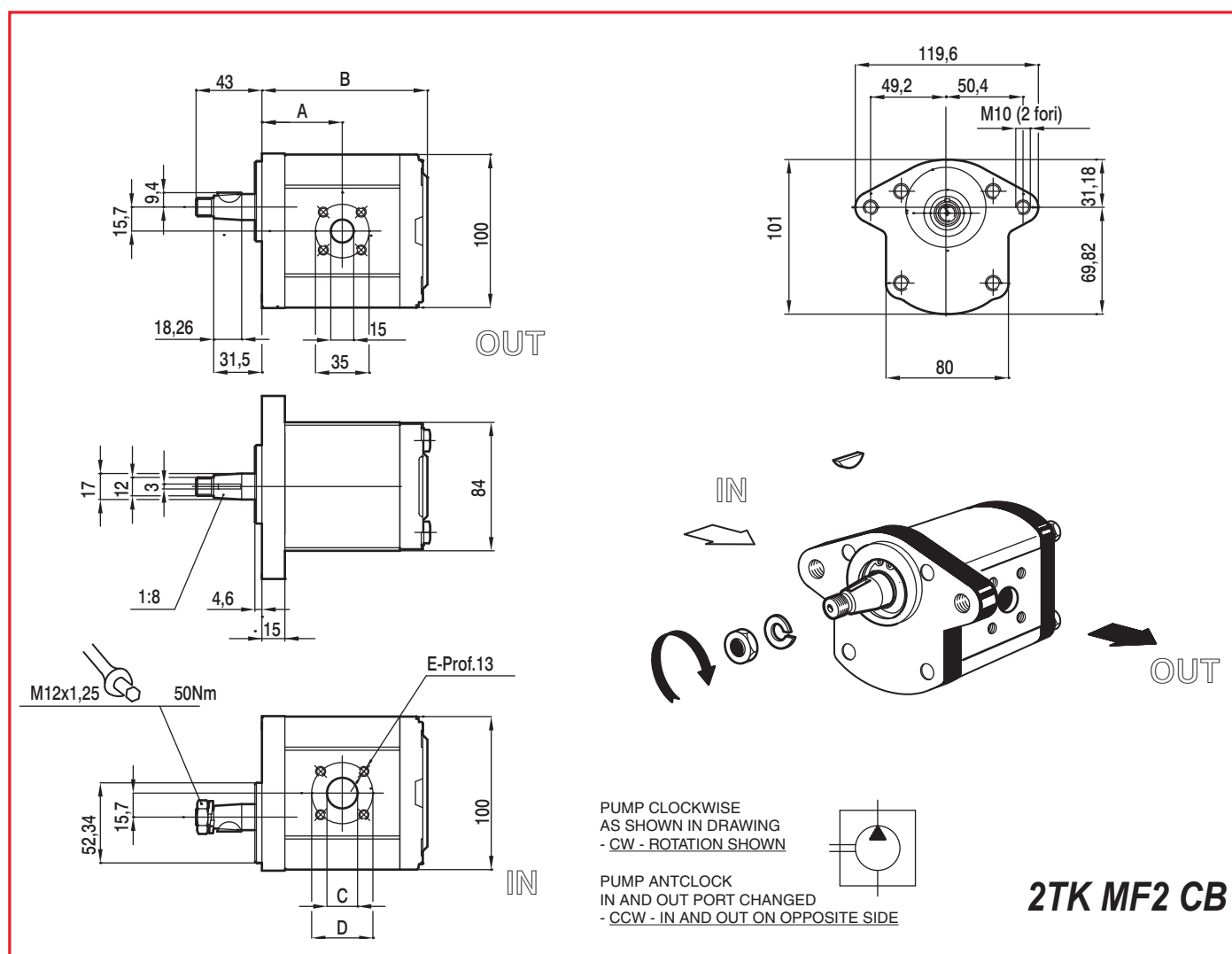


MASSEY - FERGUSON

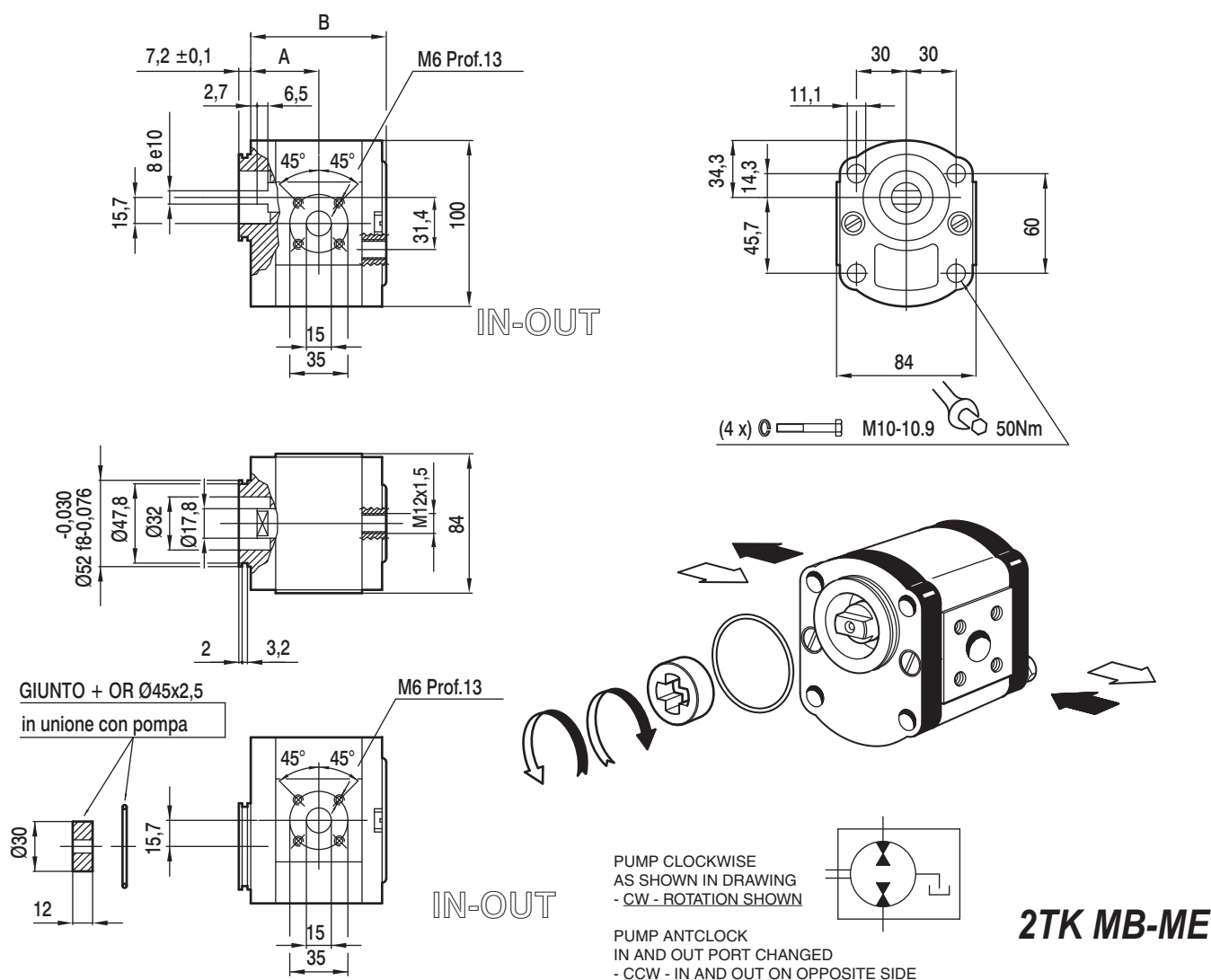
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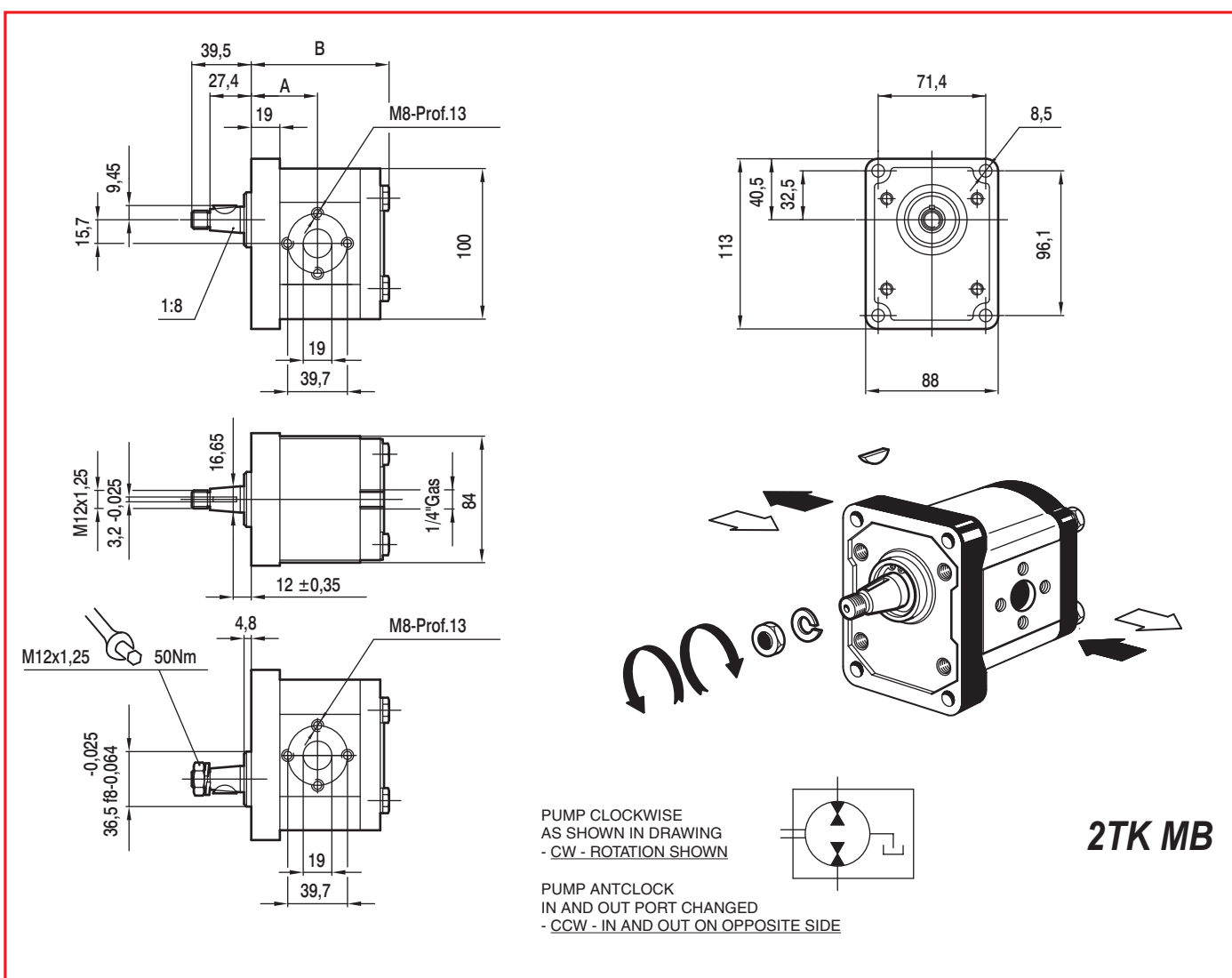


MASSEY - FERGUSON

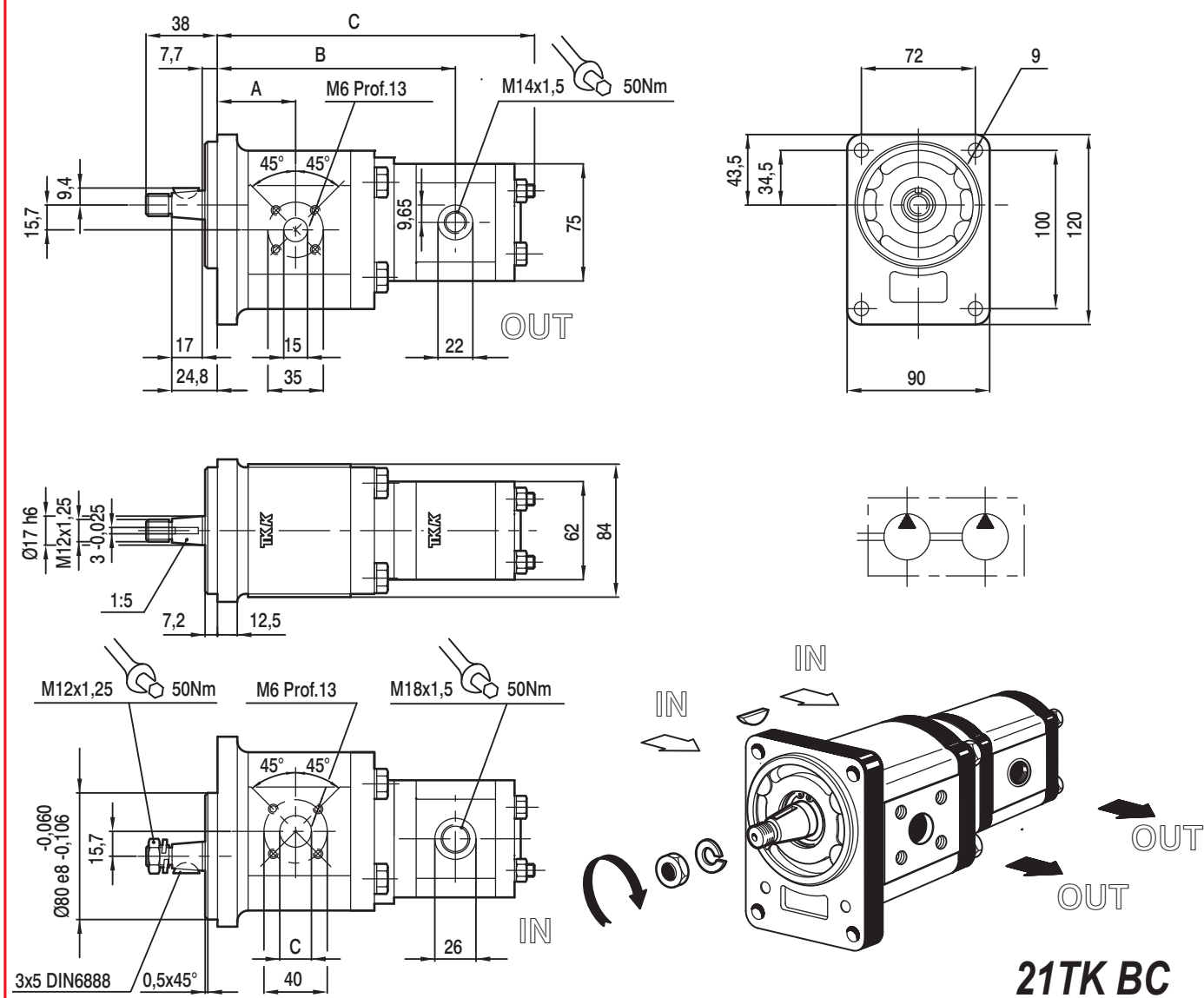


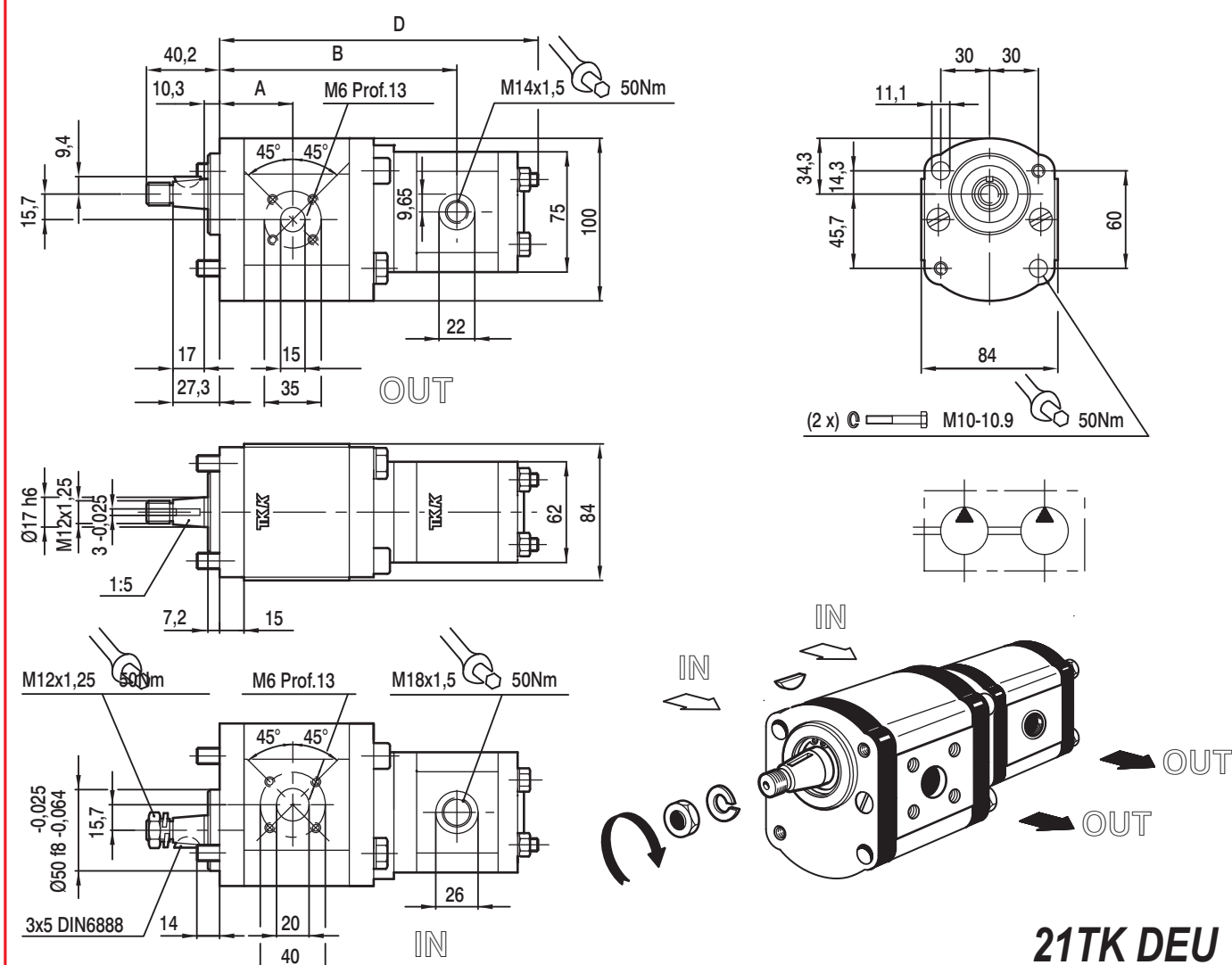
CODICE			Articolo pompa N°		DIMENSIONI						MASSA (Kg)	NOTE
SERIE	CM³	CONFIG.	Rotazione		A	B	C	D	C			
2TK	8	MF2CBV	SX	DX	40,6	84,34	20	40	M6			
2TK	11	MF2CBV			44,5	89,34	20	40	M6			
2TK	14	MF2CBV			45	90,34	20	40	M6			
2TK	16	MF2CBV			45	97,74	20	40	M6			
2TK	19	MF2CBV			45	102,74	20	40	M6			

[illegible]



CODICE			Articolo Motore	DIMENSIONI		MASSA (Kg)	NOTE
SERIE	CM ³	CONFIG.		A	B		
2TK	11	MB	1235	48,5	98,3	3	
2TK	14	MB	1236	49	103,3	3,2	
2TK	16	MB	1237	49	106,3	3,4	
2TK	19	MB	1307	49	111	3,6	
2TK	22,5	MB	1239	56,5	117	3,8	
2TK	26	MB	1214	60	123	4	

[illegible]



CODICE			Articolo pompa N°		DIMENSIONI						MASSA (Kg)	NOTE
SERIE	CM³	CONFIG.	Rotazione		A	B	C	D				
			SX	DX								Also available with threading BSPP on the GROUP 1 (3/8 - 3/8)
21TK	4+3	DEU	4683	4684	37,4	126	74	173				
21TK	5,5+2	DEU	5159	5160	38,6	127	76,2	174			4	
21TK	8+2	DEU	4685	4686	40,6		80,2	175			4,05	
21TK	11+1	DEU	3638	3684	44,5		85,3	175			4	
21TK	14+4	DEU	4687	4688	44,5		85,3	187			4	
21TK	16+1	DEU	4689	4690	45	142	94	183			4,4	
21TK	16+3,7	DEU	4691	4692	45	152	94	193			4,6	
21TK	19+1	DEU	4693	4694	45	147	99	188			4,15	
21TK	19+4,8	DEU	4695	4696	45	161	99	188			4,3	
21TK	22,5+2,7	DEU	4697	4698	52,5	161	105	186			4,4	

38



39



40



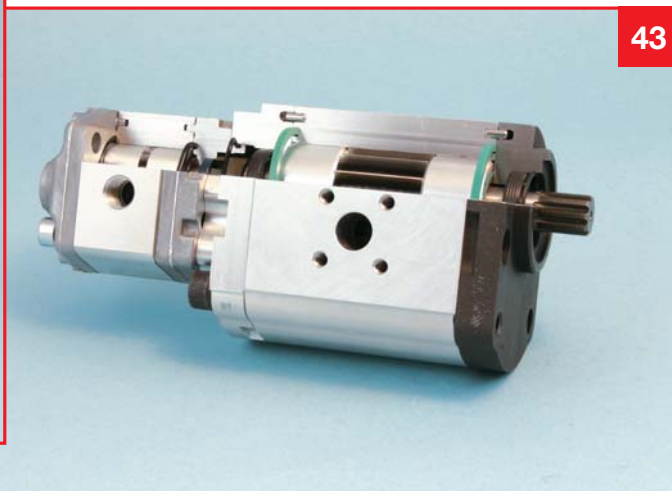
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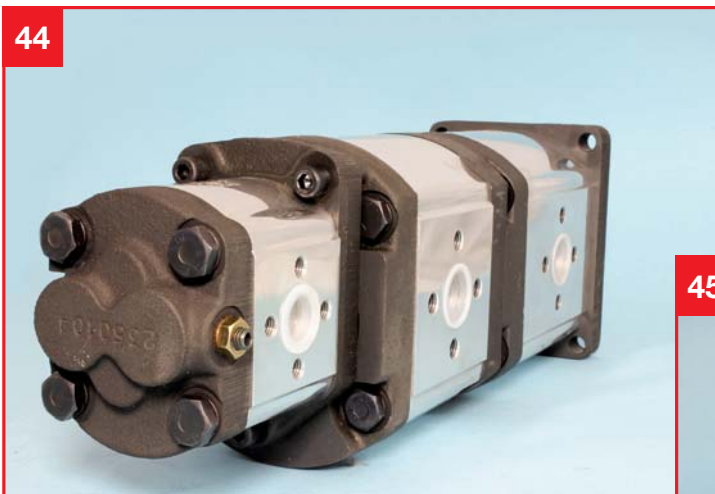
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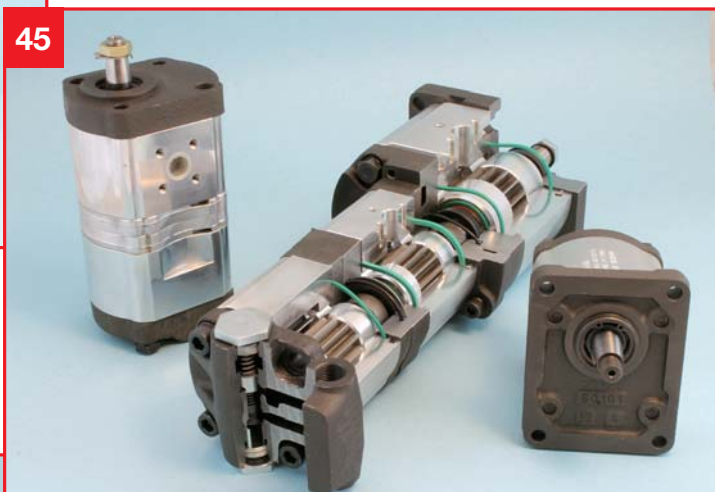
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44



45



46

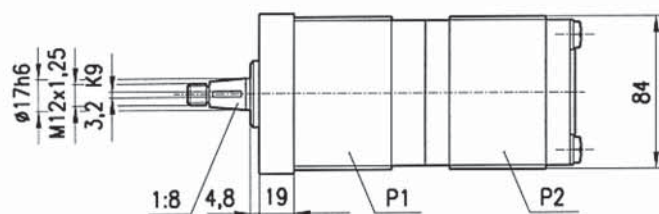
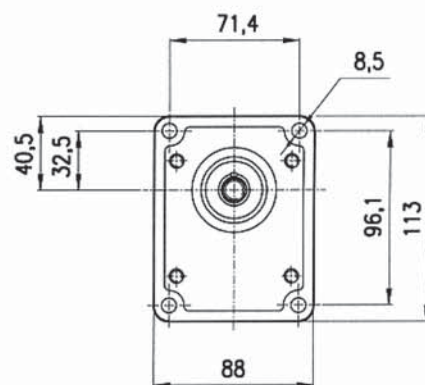
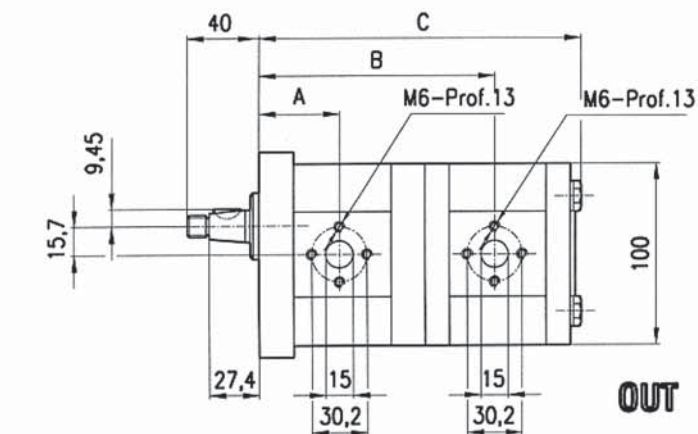


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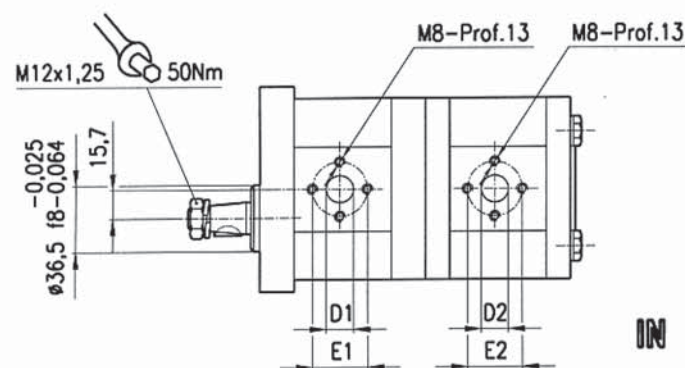


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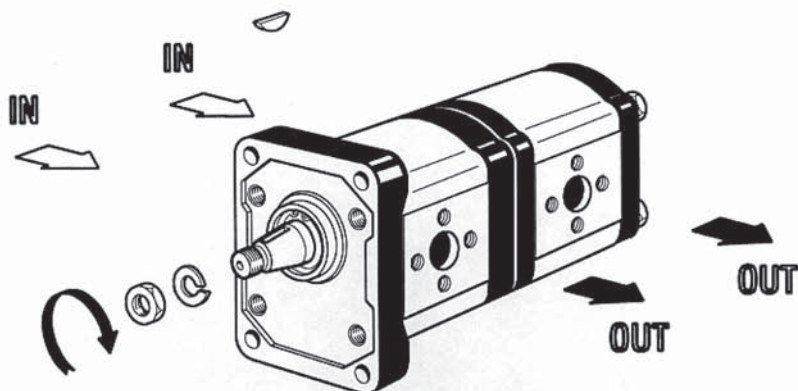
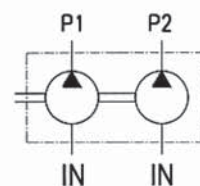




PUMP CLOCKWISE
AS SHOWN IN DRAWING
- CW - ROTATION SHOWN



PUMP ANTICLOCK
IN AND OUT PORT CHANGED
- CCW - IN AND OUT ON OPPOSITE SIDE

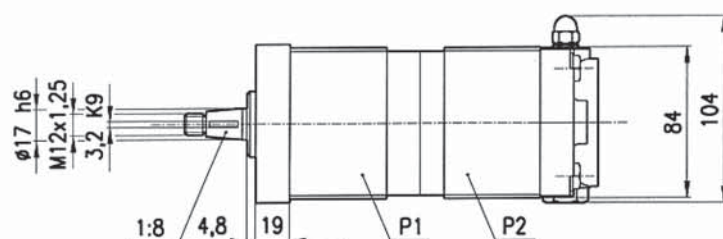
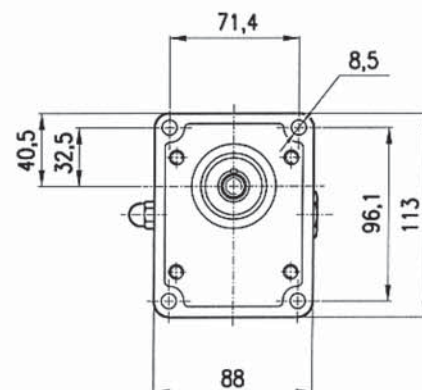
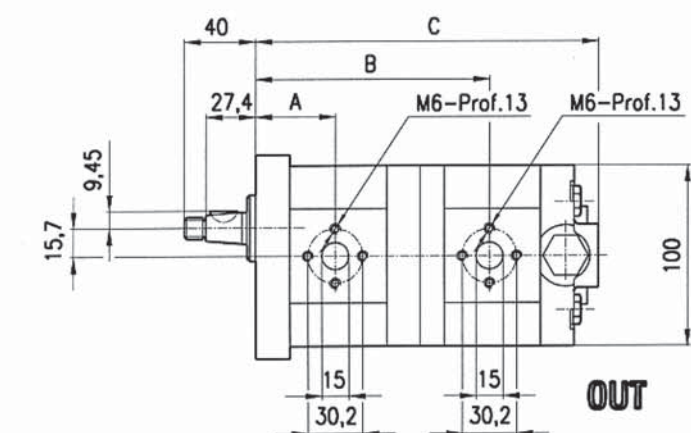




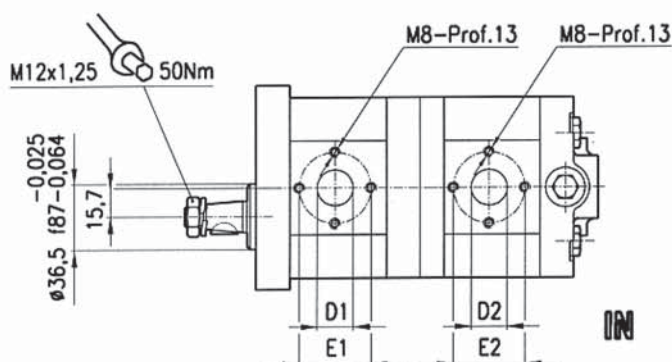
Pompe ad ingranaggi gruppo 2+2 Aspirazioni indipendenti

22TK

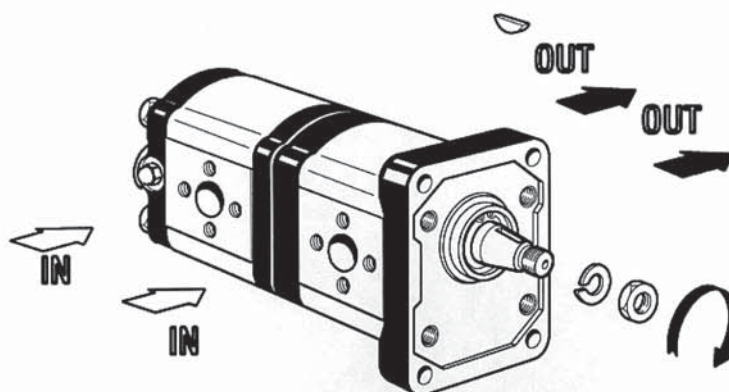
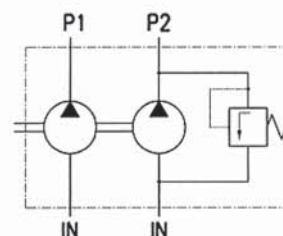
CODICE			Articolo pompa N°		DIMENSIONI								MASSA (Kg)	NOTE
SERIE	CM³	CONFIG.	Rotazione		A	B	C	D	E					
22TK	4+4		SX	DX										
22TK	5,5+5,5		2011	2012	41,4	122,8	166,5	15	30,2	15	30,2		6	
22TK	8+4		2015	2016	42,5	126,7	169	15	30,2	15	30,2		6,1	
22TK	8+5,5		2017	2018	44,75	129,3	173	15	30,2	15	30,2		6,2	
22TK	8+8		2021	2022	44,75	130,5	175,5	15	30,2	15	30,2		6,2	
22TK	8+11		2025	2026	44,75	132,7	179,5	15	30,2	15	30,2		6,3	
			2029	2030	44,75	136,5	184,6	15	30,2	20	39,7		6,4	
22TK	11+4		2035	2036	48,5	134,4	178,1	20	39,7	15	30,2		6,3	
22TK	11+5,5		2039	2040	48,5	135,6	180,6	20	39,7	15	30,2		6,3	
22TK	11+8		2043	2044	48,5	137,8	184,6	20	39,7	15	30,2		6,4	
22TK	11+11		2047	2048	48,5	141,6	189,7	20	39,7	20	39,7		6,5	
22TK	14+5,5		2051	2052	49	140,5	185,5	20	39,7	15	30,2		6,5	
22TK	14+8		2057	2058	49	142,7	189,5	20	39,7	15	30,2		6,6	
22TK	14+11		2061	2062	49	146,5	194,5	20	39,7	20	39,7		6,8	
22TK	14+14		2065	2066	49	147	199,5	20	39,7	20	39,7		7	
22TK	16+5,5		2071	2072	49	144	189	20	39,7	15	30,2		6,7	
22TK	16+8		2073	2074	49	146,2	193	20	39,7	15	30,2		6,8	
22TK	16+11		2077	2078	49	150	198	20	39,7	20	39,7		6,9	
22TK	16+16		2081	2082	49	150,5	206,5	20	39,7	20	39,7	230	7,2	
22TK	19+5,5		2085	2086	49	148,8	193,8	20	39,7	15	30,2		6,8	
22TK	19+8		2089	2090	49	151	197,8	20	39,7	15	30,2		7	
22TK	19+11		2093	2094	49	154,8	203	20	39,7	20	30,2		7	
22TK	19+14		2097	2098	49	155,3	207,8	20	39,7	20	30,2		7,3	
22TK	19+16		2099	2100	49	155,3	211,3	20	39,7	20	39,7	210	7,5	
22TK	19+19		2103	2104	49	155,3	216,1	20	39,7	20	30,2	190	7,7	
22TK	22,5+5,5		2109	2110	49	154,3	199,3	20	39,7	15	30,2		7,5	
22TK	22,5+8		2113	2114	56,6	156,5	203,3	20	39,7	15	30,2		7,7	
22TK	22,5+11		2117	2118	56,6	160,3	208,4	20	39,7	20	39,7		7,8	
22TK	22,5+14		2119	2120	56,6	160,8	213,3	20	39,7	20	30,2		8	
22TK	22,5+16		2123	2124	56,6	160,8	195,5	20	39,7	20	30,2	210	8,2	
22TK	22,5+19		2127	2128	56,6	160,8	221,6	20	39,7	20	39,7	190	8,3	
22TK	22,5+22,5		2131	2132	56,6	168,3	227,1	20	39,7	20	39,7	170	8,5	
22TK	26+8		2133	2134	60	163	209	20	39,7	15	30,2		8	



PUMP CLOCKWISE
AS SHOWN IN DRAWING
- CW - ROTATION SHOWN



PUMP ANTICLOCK
IN AND OUT PORT CHANGED
- CCW - IN AND OUT ON OPPOSITE SIDE



22TK VS

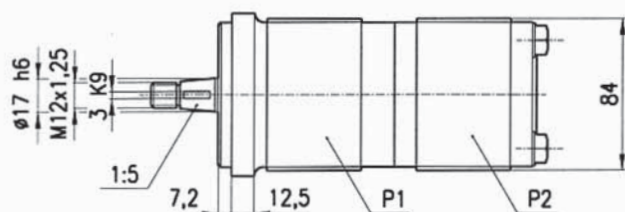
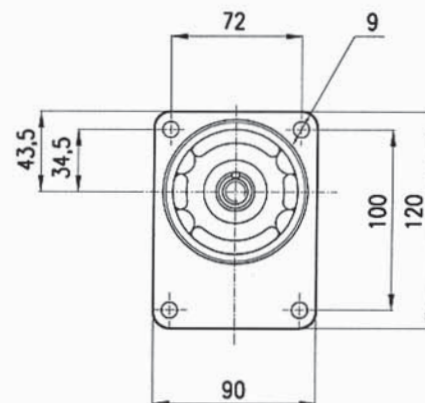
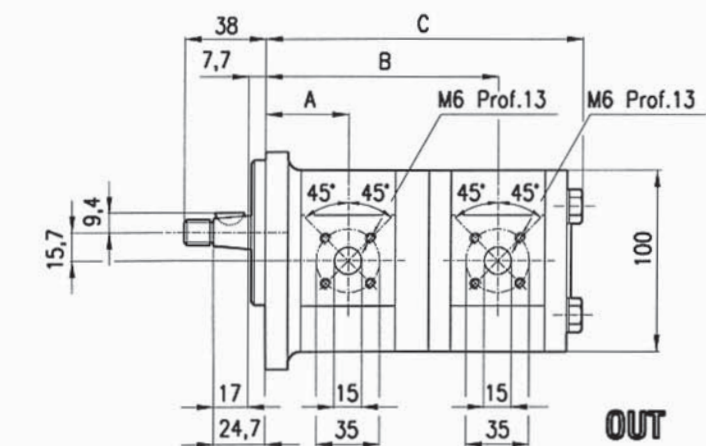


Pompe ad ingranaggi gruppo 2+2

Aspirazioni indipendenti - valvola di max

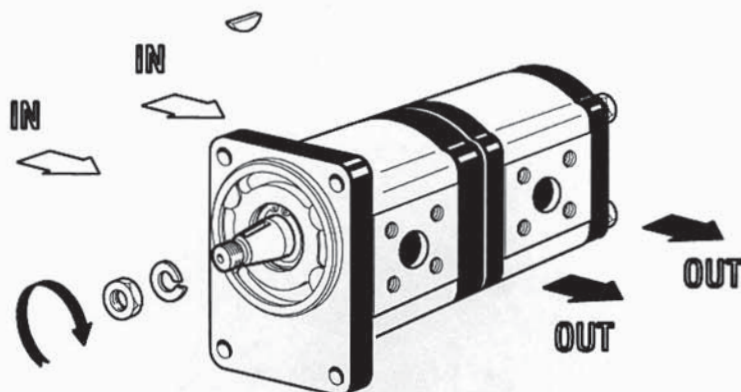
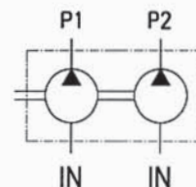
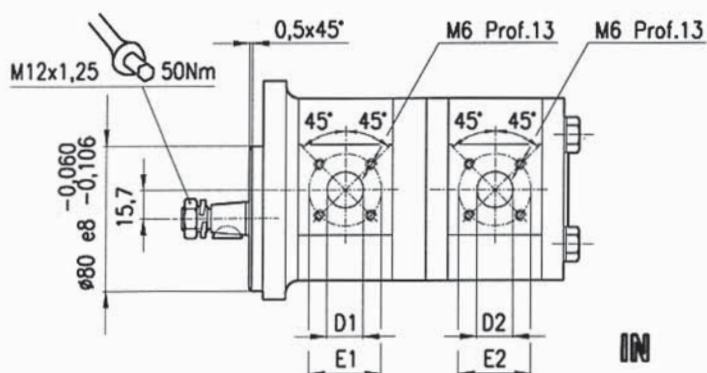
22TK VS

CODICE			Articolo pompa N°		DIMENSIONI								MASSA (Kg)	NOTE
SERIE	CM³	CONFIG.	Rotazione		A	B	C	D1	E1	D2	E2			
22TK	4+4	VS	SX	DX	41,4	122,8	189	15	30,2	15	30,2			
			2141	2142										
22TK	8+4	VS	2145	2146	44,75	129,3	196	15	30,2	15	30,2			
22TK	8+5,5	VS	2147	2148	44,75	130,5	198	15	30,2	15	30,2			
22TK	8+8	VS	2149	2150	44,75	132,7	202	15	30,2	15	30,2			
22TK	8+H	VS	2151	2152	44,75	136,5	208	15	30,2	20	39,7			
22TK	11+4	VS	2155	2156	48,5	134,4	201	20	39,7	15	30,2			
22TK	11+5,5	VS	2157	2158	48,5	135,6	204	20	39,7	15	30,2			
22TK	11+8	VS	2159	2160	48,5	137,8	208	20	39,7	15	30,2			
22TK	11 + 11	VS	2161	2162	48,5	141,6	213	20	39,7	20	39,7			
22TK	14+5,5	VS	2165	2166	49	140,5	208	20	39,7	15	30,2			
22TK	14+8	VS	2167	2168	49	142,7	212	20	39,7	15	30,2			
22TK	14 + 11	VS	2169	2170	49	146,5	217	20	39,7	20	39,7			
22TK	14+14	VS	2173	2174	49	147	225	20	39,7	20	39,7			
22TK	16+5,5	VS	2175	2176	49	144	212	20	39,7	15	30,2			
22TK	16+8	VS	2177	2178	49	146,2	216	20	39,7	15	30,2			
22TK	16+11	VS	2179	2180	49	150	221	20	39,7	20	39,7			
22TK	16+16	VS	2183	2184	49	150,5	230	20	39,7	20	39,7	230		
22TK	19+5,5	VS	2185	2186	49	148,8	217	20	39,7	15	30,2			
22TK	19+8	VS	2187	2188	49	151	221	20	39,7	15	30,2			
22TK	19+11	VS	2189	2190	49	154,8	226	20	39,7	20	30,2			
22TK	19+14	VS	2191	2192	49	155,3	231	20	39,7	20	30,2			
22TK	19+16	VS	2193	2194	49	155,3	234	20	39,7	20	39,7	210		
22TK	19+19	VS	2197	2198	49	155,3	239	20	39,7	20	30,2	190		
22TK	22,5+5,5	VS	2199	2200	56,6	154,3	222	20	39,7	15	30,2			
22TK	22,5+8	VS	2201	2202	56,6	156,5	226	20	39,7	15	30,2			
22TK	22,5+11	VS	2203	2204	56,6	160,3	231	20	39,7	20	39,7			
22TK	22,5+14	VS	2205	2206	56,6	160,8	236	20	39,7	20	30,2			
22TK	22,5+16	VS	2207	2208	56,6	160,8	218	20	39,7	20	30,2	210		
22TK	22,5+19	VS	2209	2210	56,6	160,8	244	20	39,7	20	39,7	190		



PUMP CLOCKWISE
AS SHOWN IN DRAWING
- CW - ROTATION SHOWN

PUMP ANTICLOCK
IN AND OUT PORT CHANGED
- CCW - IN AND OUT ON OPPOSITE SIDE

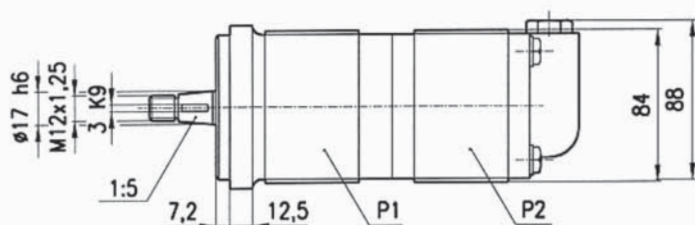
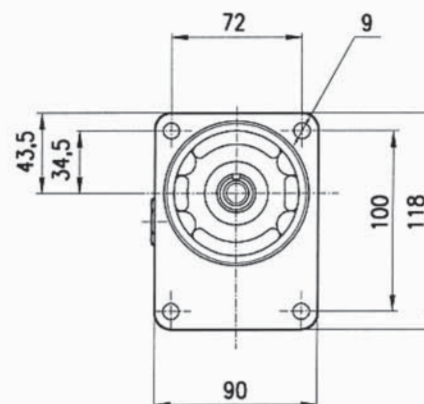
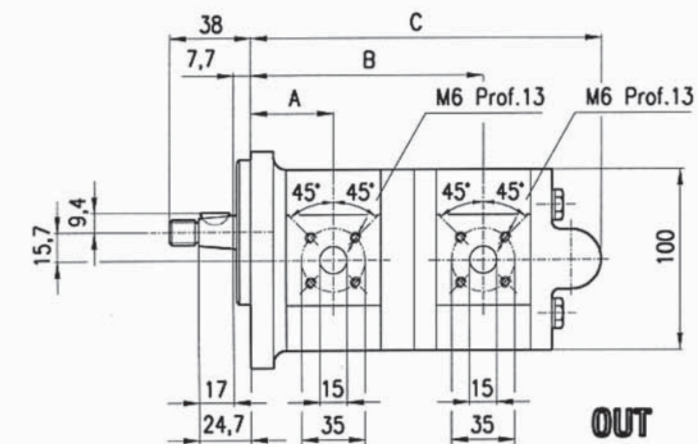


Pompe rappresentate con rotazione D-DESTRA
Con rotazione S-SINISTRA le forature IN e OUT
sono invertite.
Tenute intermedia tra le pompe.
Possibilità di aspirazioni uniche o separate per
impiego con oli differenti - liquidi separati -
(2 serbatoi)

22TK BC

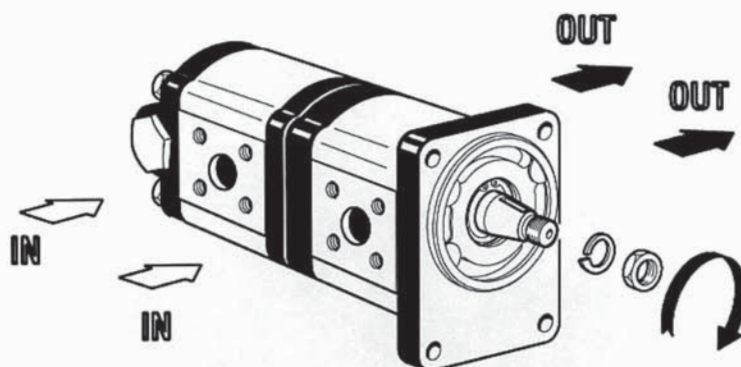
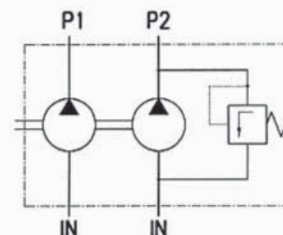
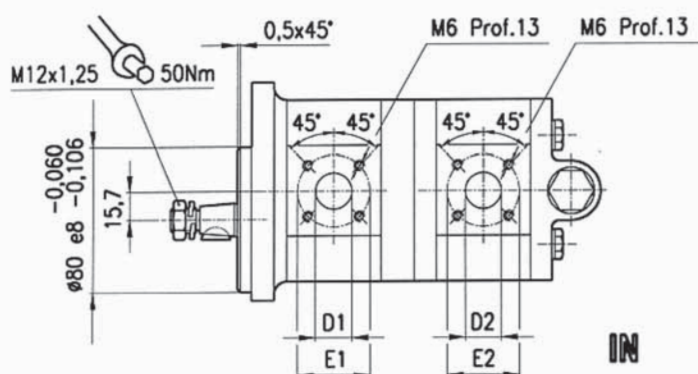


CODICE			Articolo pompa N°		DIMENSIONI							ASPIRAZIONE	PRESS. MAX. P2	MASSA (Kg)	NOTE
SERIE	CM³	CONFIG.	Rotazione		A	B	C	D1	E1	D2	E2	BAR			
22TK	4+4	BC	2231	2232	39,8	121,5	165,5	15	40	15	40			6,1	
22TK	5,5+4	BC	2235	2236	41,1	124	168	15	40	15	40			6,15	
22TK	8+4	BC	2233	2234	43,1	128,2	171,5	20	40	15	40			6,2	
22TK	8+5,5	BC	2237	2238	43,1	129,3	174,5	20	40	15	40			6,25	
22TK	8+8	BC	2239	2240	43,1	131,5	178	20	40	20	40			6,3	
22TK	11+4	BC	2241	2242	47,5	133,1	177	20	40	15	40			6,3	
22TK	11+5,5	BC	2243	2244	47,5	134,3	180	20	40	15	40			6,35	
22TK	11+8	BC	2245	2246	47,5	136,5	184	20	40	20	40			6,4	
22TK	11+11	BC	2247	2248	47,5	140,8	189	20	40	20	40			6,5	
22TK	11+16	BC	2251	2252	47,5	140,8	197	20	40	20	40	230		6,9	
22TK	11+22	BC	5243	5244	47,5	154,5	205	20	40	20	40	180		7,2	
22TK	14+4	BC	2253	2254	47,5	138	181	20	40	15	40			6,4	
22TK	14+5,5	BC	2255	2256	47,5	139,2	184	20	40	15	40			6,5	
22TK	14+8	BC	2257	2258	47,5	141,4	188	20	40	20	40			6,6	
22TK	14+11	BC	2259	2260	47,5	146	193,5	20	40	20	40			6,9	
22TK	14+14	BC	2261	2262	47,5	146	198,7	20	40	20	40			7	
22TK	14+16	BC	2263	2264	47,5	149,4	202	20	40	20	40	230		7,1	
22TK	16+4	BC	2267	2268	47,5	141,5	185,5	20	40	15	40			6,7	
22TK	16+5,5	BC	2269	2270	47,5	142,7	188	20	40	15	40			6,75	
22TK	16+8	BC	2271	2272	47,5	144,8	192	20	40	20	40			6,8	
22TK	16+11	BC	2273	2274	47,5	149,2	197	20	40	20	40			6,9	
22TK	16+14	BC	2275	2276	47,5	149,2	202	20	40	20	40			7,2	
22TK	16+16	BC	2277	2278	47,5	149,2	205,5	20	40	20	40	230		7,3	
22TK	19+5,5	BC	2281	2282	47,5	147,9	193	20	40	15	40			6,9	
22TK	19+8	BC	2283	2284	47,5	150	197	20	40	20	40			7	
22TK	19+11	BC	2285	2286	47,5	154,2	202	20	40	20	40			7,1	
22TK	19+16	BC	2289	2290	47,5	154,2	210	20	40	20	40	230		7,5	
22TK	19+19	BC	2291	2292	47,5	164,2	216	20	40	20	40	190		7,7	
22TK	22,5+5,5	BC	2295	2296	61	165	210	20	40	15	40			7,6	
22TK	22,5+8	BC	2297	2298	61	167	214	20	40	20	40			7,7	
22TK	22,5+11	BC	2299	2300	61	171,5	219	20	40	20	40			7,8	
22TK	22,5+14	BC	2307	2308	61	171,5	224	20	40	20	40	220		8	
22TK	22,5+16	BC	2301	2302	61	171,5	228	20	40	20	40	230		8,1	
22TK	22,5+19	BC	2303	2304	61	171,5	244	20	40	20	40	190		8,3	
22TK	22,5+22,5	BC	2305	2306	61	185	250	20	40	20	40	160		8,5	



PUMP CLOCKWISE
AS SHOWN IN DRAWING
- CW - ROTATION SHOWN

PUMP ANTICLOCK
IN AND OUT PORT CHANGED
- CCW - IN AND OUT ON OPPOSITE SIDE



Pompe rappresentata con rotazione D-DESTRA
Con rotazione S-SINISTRA le forature IN e OUT
sono invertite.

Tenuta intermedia tra le pompe.
Possibilità di aspirazioni uniche o separate per
impiego con oli differenti - liquidi separati -
(2 serbatoi)

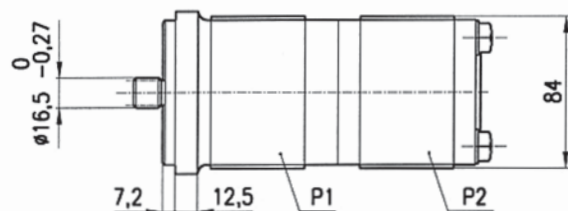
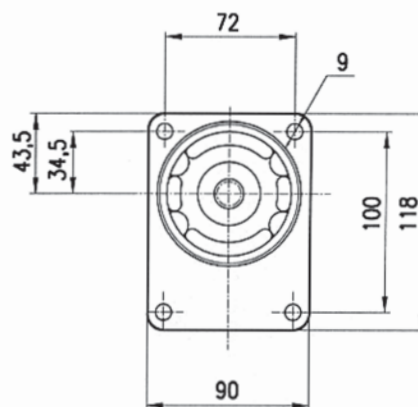
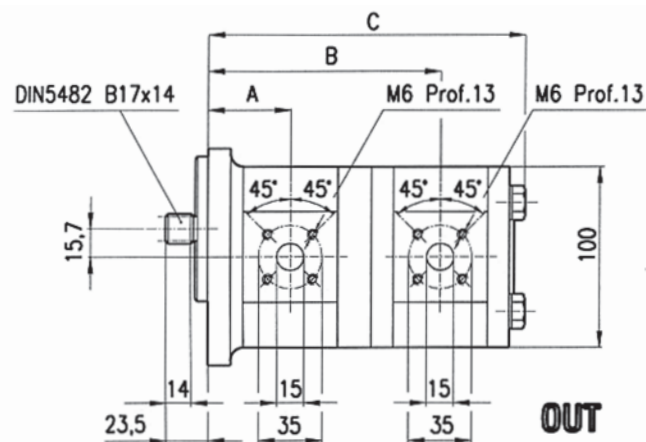
22TK BC VS



Pompe ad ingranaggi gruppo 2+2 Aspirazioni indipendenti

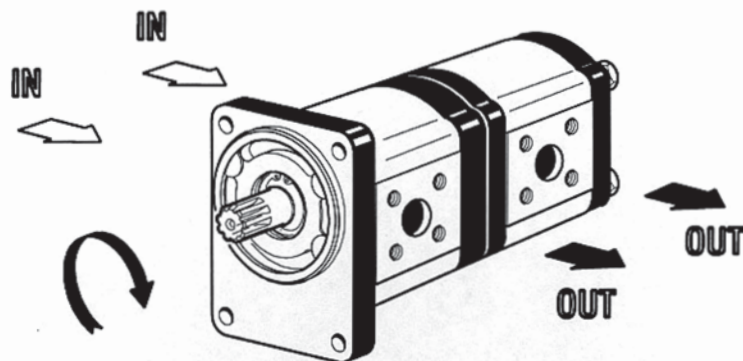
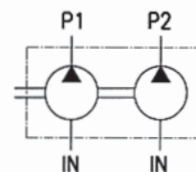
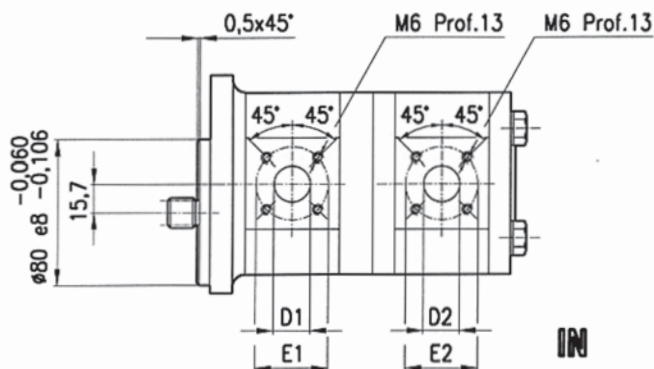
22TK BC VS

CODICE			Articolo pompa N°		DIMENSIONI							ASPIRAZIONE	PRESS. MAX. P2	MASSA (Kg)	NOTE
SERIE	CM³	CONFIG.	SX	DX	A	B	C	D1	E1	D2	E2	BAR			
22TK	4+4	BC-VS	2665	2666	39,8	121,5	188,5	15	35	15	35				
22TK	5,5+4	BC-VS	2669	2670	41,1	124	191	15	35	15	35				
22TK	8+5,5	BC-VS	2673	2674	43,1	129,3	198	20	40	15	35				
22TK	8+8	BC-VS	2675	2676	43,1	131,5	201	20	40	20	40				
22TK	11+4	BC-VS	2679	2680	47,5	133,1	200	20	40	15	35				
22TK	11+5,5	BC-VS	2681	2682	47,5	134,3	203	20	40	15	35				
22TK	11+8	BC-VS	2683	2684	47,5	136,5	207	20	40	20	40				
22TK	11 + 11	BC-VS	2685	2686	47,5	140,8	212	20	40	20	40				
22TK	11 + 16	BC-VS	2687	2688	47,5	140,8	220	20	40	20	40	230			
22TK	14+4	BC-VS	2691	2692	47,5	138	204	20	40	15	35				
22TK	14+5,5	BC-VS	2693	2694	47,5	139,2	207	20	40	15	35				
22TK	14+8	BC-VS	2695	2696	47,5	141,4	211	20	40	20	40				
22TK	14+11	BC-VS	2697	2698	47,5	146	216	20	40	20	40				
22TK	14+14	BC-VS	2699	2700	47,5	146	222	20	40	20	40				
22TK	14+16	BC-VS	2701	2702	47,5	149,4	225	20	40	20	40	230			
22TK	16+4	BC-VS	2705	2706	47,5	141,5	208	20	40	15	35				
22TK	16+5,5	BC-VS	2707	2708	47,5	142,7	211	20	40	15	35				
22TK	16+8	BC-VS	2709	2710	47,5	144,8	215	20	40	20	40				
22TK	16+11	BC-VS	2711	2712	47,5	149,2	220	20	40	20	40				
22TK	16+14	BC-VS	2713	2714	47,5	149,2	225	20	40	20	40				
22TK	16+16	BC-VS	2715	2716	47,5	149,2	228	20	40	20	40	230			
22TK	19+5,5	BC-VS	2719	2720	47,5	147,9	216	20	40	15	35				
22TK	19+8	BC-VS	2721	2722	47,5	150	220	20	40	20	40				
22TK	19+11	BC-VS	2723	2724	47,5	154,2	225	20	40	20	40				
22TK	19+16	BC-VS	2725	2726	47,5	154,2	233	20	40	20	40	230			
22TK	19+19	BC-VS	2727	2728	47,5	164,2	238	20	40	20	35	190			
22TK	22,5+5,5	BC-VS	2731	2732	61	165	233	20	40	15	35				
22TK	22,5+8	BC-VS	2733	2734	61	167	237	20	40	20	40				
22TK	22,5+11	BC-VS	2735	2736	61	171,5	242	20	40	20	40				
22TK	22,5+16	BC-VS	2737	2738	61	171,5	251	20	40	20	40	230			
22TK	22,5+19	BC-VS	2739	2740	61	171,5	267	20	40	20	40	190			
22TK	22,5+22,5	BC-VS	2741	2742	61	185	273	20	40	20	40	160			



PUMP CLOCKWISE
AS SHOWN IN DRAWING
- CW - ROTATION SHOWN

PUMP ANTICLOCK
IN AND OUT PORT CHANGED
- CCW - IN AND OUT ON OPPOSITE SIDE



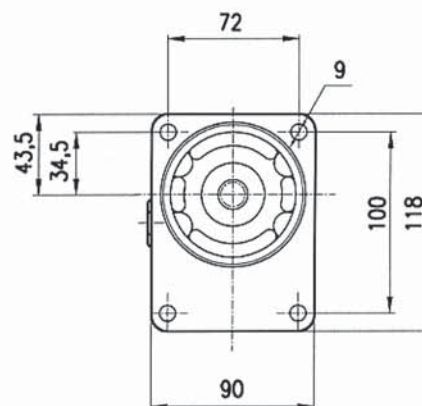
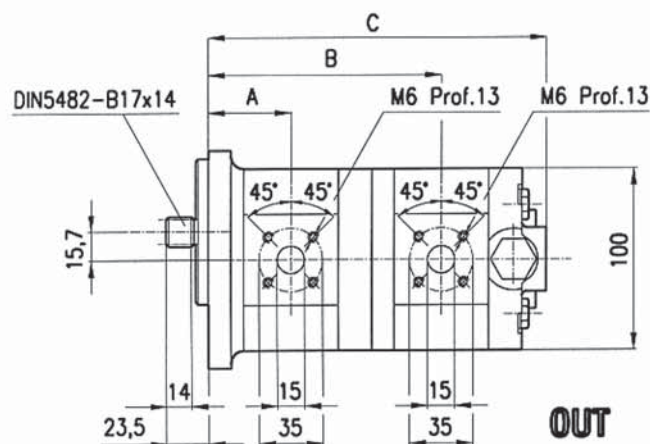
Pompe rappresentata con rotazione D-DESTRA
Con rotazione S-SINISTRA le forature IN e OUT
sono invertite.

Tenuta intermedia tra le pompe.
Possibilità di aspirazioni uniche o separate per
impiego con oli differenti - liquidi separati -
(2 serbatoi)

22TK BS

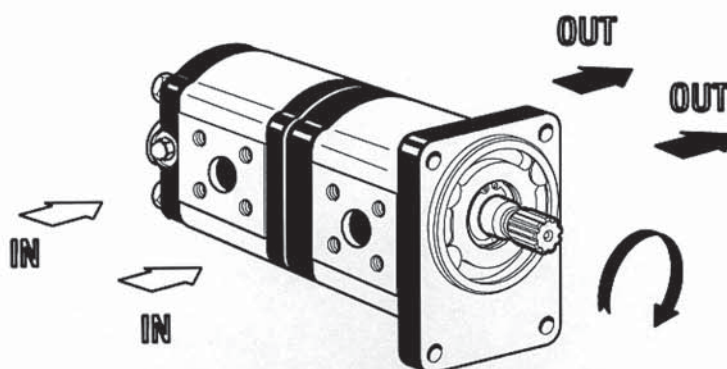
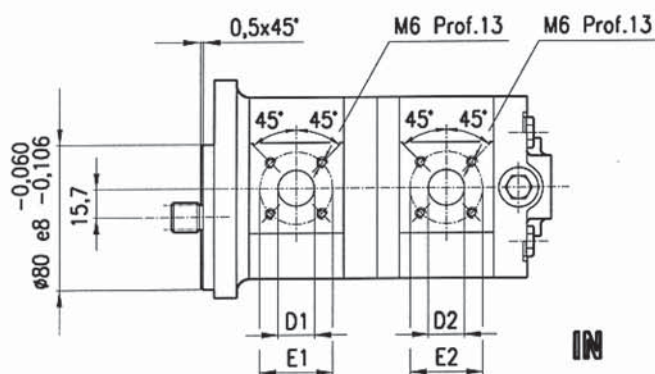
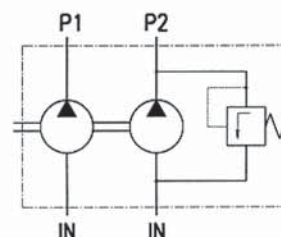


CODICE			Articolo pompa N°		DIMENSIONI							ASPIRAZIONE	PRESS. MAX. P2	MASSA (Kg)	NOTE
SERIE	CM³	CONFIG.	SX	DX	A	B	C	D1	E1	D2	E2	BAR			
22TK	4+4	BS	2831	2832	39,8	122	166	15	35	15	35			6,1	
22TK	5,5+4	BS	2835	2836	41,1	124	168	15	35	15	35			6,2	
22TK	8+5,5	BS	2839	2840	43,1	129.3	175	20	40	15	35			6,3	
22TK	8+8	BS	2841	2842	43,1	132	178	20	40	20	40			6,3	
22TK	11+4	BS	2845	2846	47,5	133	177	20	40	15	35			6,3	
22TK	11+5,5	BS	2847	2848	47,5	134	180	20	40	15	35			6,4	
22TK	11+8	BS	2849	2850	47,5	137	184	20	40	20	40			6,4	
22TK	11 + 11	BS	2851	2852	47,5	140.8	189	20	40	20	40			6,5	
22TK	11 + 16	BS	2853	2854	47,5	141	197	20	40	20	40	230		6,9	
22TK	14+4	BS	2855	2856	47,5	138	181	20	40	15	35			6,4	
22TK	14+5,5	BS	2857	2858	47,5	139	184	20	40	15	35			6,5	
22TK	14+8	BS	2859	2860	47,5	141	188	20	40	20	40			6,6	
22TK	14+11	BS	2861	2862	47,5	146	194	20	40	20	40			6,9	
22TK	14+14	BS	2863	2864	47,5	146	199	20	40	20	40			7	
22TK	14+16	BS	2865	2866	47,5	149.4	202	20	40	20	40	230		7,1	
22TK	16+4	BS	2869	2870	47,5	142	186	20	40	15	35			6,7	
22TK	16+5,5	BS	2871	2872	47,5	142.7	188	20	40	15	35			6,75	
22TK	16+8	BS	2873	2874	47,5	145	192	20	40	20	40			6,8	
22TK	16+11	BS	2875	2876	47,5	149.2	197	20	40	20	40			6,9	
22TK	16+14	BS	2877	2878	47,5	149	202	20	40	20	40			7,2	
22TK	16+16	BS	2879	2880	47,5	149	206	20	40	20	40	230		7,3	
22TK	19+5.5	BS	2881	2882	47,5	148	193	20	40	15	35			6,9	
22TK	19+8	BS	2883	2884	47,5	150	197	20	40	20	40			7	
22TK	19 + 11	BS	2885	2886	47,5	154	202	20	40	20	40			7,1	
22TK	19+16	BS	2887	2888	47,5	154.2	210	20	40	20	40	230		7,5	
22TK	19+19	BS	2889	2890	47,5	164.2	215.5	20	40	20	35	190		7,7	
22TK	22,5+5,5	BS	2891	2892	61	165	210	20	40	15	35			7,6	
22TK	22,5+8	BS	2893	2894	61	167	214	20	40	20	40			7,7	
22TK	22,5+11	BS	2895	2896	61	171.5	219	20	40	20	40			7,8	
22TK	22,5+16	BS	2897	2898	61	172	228	20	40	20	40	230		8,1	
22TK	22,5+19	BS	2899	2900	61	172	244	20	40	20	40	190		8,3	
22TK	22,5+22,5	BS	2901	2902	61	185	250	20	40	20	40	160		8,5	



PUMP CLOCKWISE
 AS SHOWN IN DRAWING
 - CW - ROTATION SHOWN

PUMP ANTICLOCK
 IN AND OUT PORT CHANGED
 - CCW - IN AND OUT ON OPPOSITE SIDE



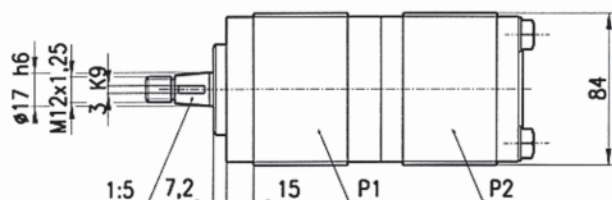
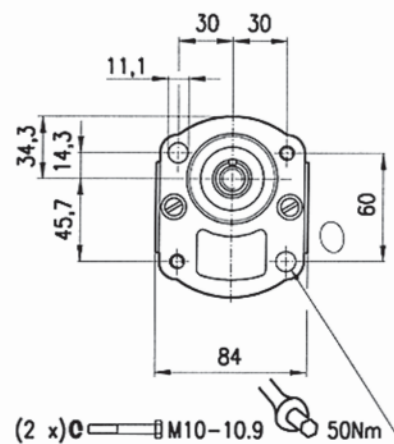
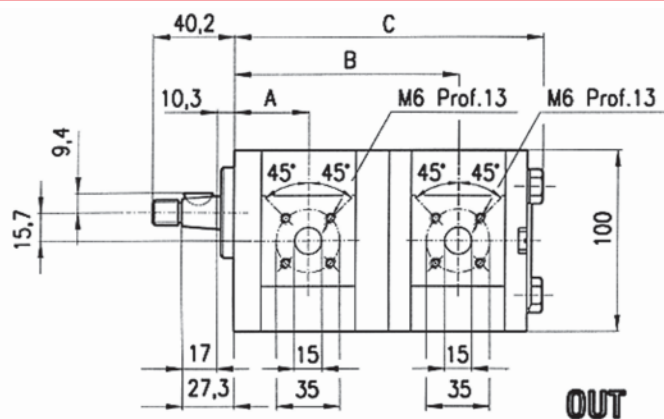
22TK BS VS



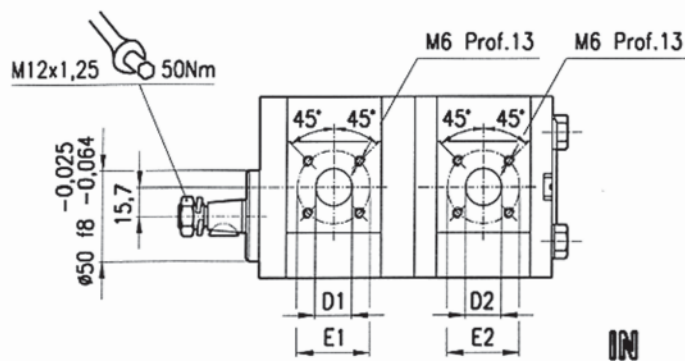
Pompe ad ingranaggi gruppo 2+2 Aspirazioni indipendenti - con valvola limitatrice di pressione - Unificazione tedesca

22TK BS VS

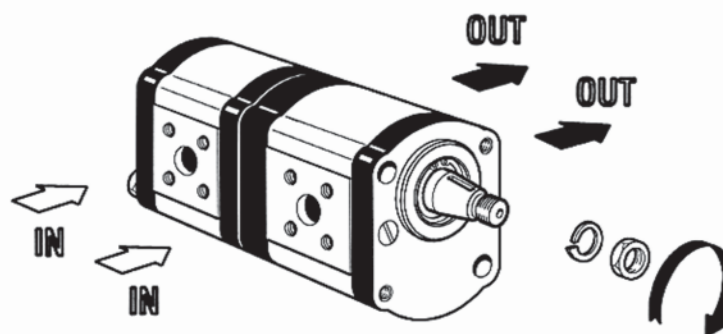
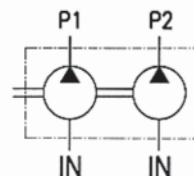
CODICE			Articolo pompa N°		DIMENSIONI			ASPIRAZIONE				PRESS. MAX. P2	MASSA (Kg)	NOTE
SERIE	CM³	CONFIG.	Rotazione					P1		P2				
			SX	DX	A	B	C	D1	E1	D2	E2	BAR		
22TK	4+4	BS-VS	2367	2368	39,8	121,5	188.5	15	35	15	35			
22TK	5,5+4	BS-VS	2369	2370	41,1	124	191	15	35	15	35			
22TK	8+5,5	BS-VS	2371	2372	43,1	129.3	198	20	40	15	35			
22TK	8+8	BS-VS	2373	2374	43.1	131,5	201	20	40	20	40			
22TK	11+4	BS-VS	2375	2376	47,5	133,1	200	20	40	15	35			
22TK	11+5,5	BS-VS	2377	2378	47,5	134,3	203	20	40	15	35			
22TK	11+8	BS-VS	2379	2380	47,5	136,5	207	20	40	20	40			
22TK	11 + 11	BS-VS	2381	2382	47.5	140,8	212	20	40	20	40			
22TK	11 + 16	BS-VS	2383	2384	47,5	140,8	220	20	40	20	40	230		
22TK	14+4	BS-VS	2385	2386	47.5	138	204	20	40	15	35			
22TK	14+5,5	BS-VS	2387	2388	47,5	139,2	207	20	40	15	35			
22TK	14+8	BS-VS	2389	2390	47.5	141,4	211	20	40	20	40			
22TK	14+11	BS-VS	2391	2392	47.5	146	216	20	40	20	40			
22TK	14+14	BS-VS	2393	2394	47,5	146	222	20	40	20	40			
22TK	14+16	BS-VS	2395	2396	47.5	149.4	225	20	40	20	40	230		
22TK	16+4	BS-VS	2397	2398	47,5	141,5	208	20	40	15	35			
22TK	16+5,5	BS-VS	2399	2400	47,5	142,7	211	20	40	15	35			
22TK	16+8	BS-VS	2401	2402	47,5	144,8	215	20	40	20	40			
22TK	16+11	BS-VS	2403	2404	47.5	149,2	220	20	40	20	40			
22TK	16+14	BS-VS	2405	2406	47,5	149,2	225	20	40	20	40			
22TK	16+16	BS-VS	2407	2408	47,5	149,2	228	20	40	20	40	230		
22TK	19+5,5	BS-VS	2409	2410	47,5	147,9	216	20	40	15	35			
22TK	19+8	BS-VS	2411	2412	47.5	150	220	20	40	20	40			
22TK	19+11	BS-VS	2413	2414	47,5	154,2	225	20	40	20	40			
22TK	19+16	BS-VS	2415	2416	47.5	154,2	233	20	40	20	40	230		
22TK	19+19	BS-VS	2417	2418	47.5	164,2	238	20	40	20	35	190		
22TK	22,5+5,5	BS-VS	2419	2420	61	165	233	20	40	15	35			
22TK	22,5+8	BS-VS	2421	2422	61	167	237	20	40	20	40			
22TK	22,5+11	BS-VS	2423	2424	61	171,5	242	20	40	20	40			
22TK	22,5+16	BS-VS	2425	2426	61	171.5	251	20	40	20	40	230		
22TK	22,5+19	BS-VS	2427	2428	61	171.5	267	20	40	20	40	190		
22TK	22,5+22,5	BS-VS	2429	2430	61	185	273	20	40	20	40	160		



PUMP CLOCKWISE
AS SHOWN IN DRAWING
- CW - ROTATION SHOWN



PUMP ANTICLOCK
IN AND OUT PORT CHANGED
- CCW - IN AND OUT ON OPPOSITE SIDE



Pompe rappresentate con rotazione D-DESTRA
Con rotazione S-SINISTRA le forature IN e OUT
sono invertite.

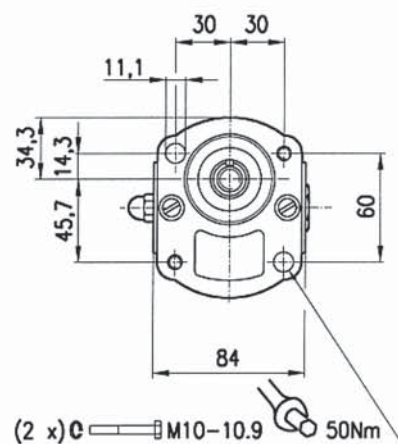
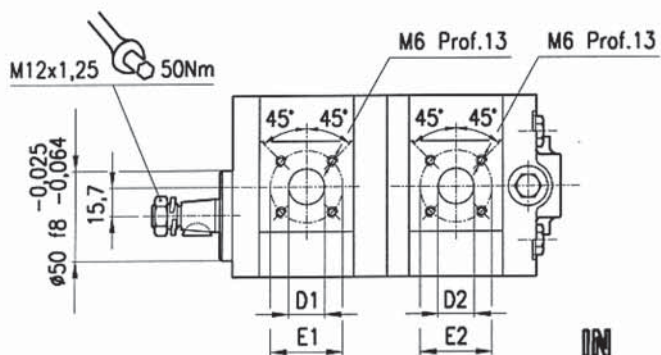
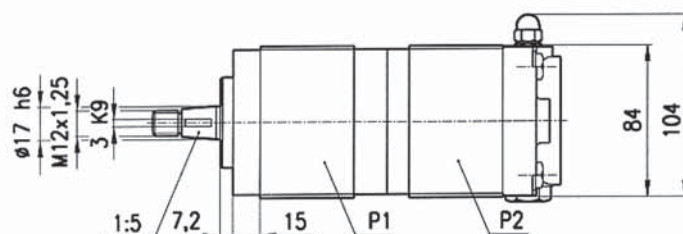
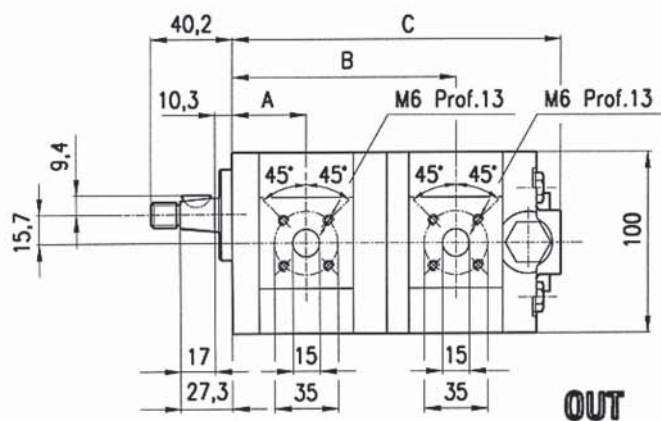
Tenuta intermedia tra le pompe.
Possibilità di aspirazioni uniche o separate per
impiego con oli differenti - liquidi separati -
(2 serbatoi)



Pompe ad ingranaggi gruppo 2+2 Frangitura per motori DEUTZ - KHD

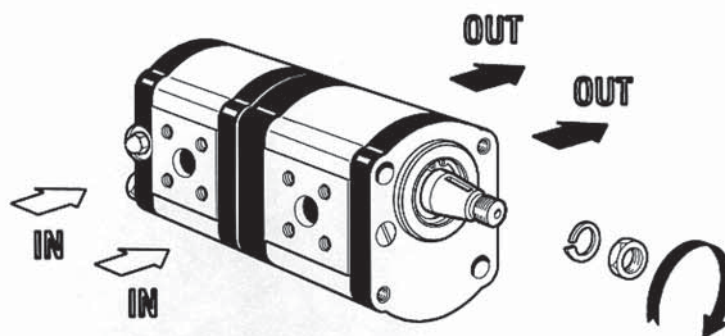
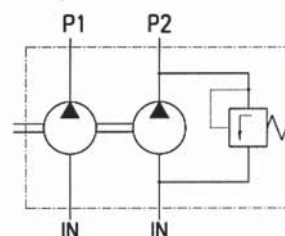
22TK DEU

CODICE			Articolo pompa N°		DIMENSIONI							ASPIRAZIONE	PRESS. MAX. P2	MASSA (Kg)	NOTE
SERIE	CM³	CONFIG.	SX	DX	A	B	C	D1	E1	D2	E2	BAR			
22TK	5,5+4	DEU	2435	2436	38,6	122	159	15	35	15	35			5,75	
22TK	8+4	DEU	2437	2438	40,6	126	163	20	40	15	35			5,8	
22TK	8+8	DEU	2439	2440	40,6	129	169	20	40	20	40			5,9	
22TK	8+11	DEU	2441	2442	40,6		174	20	40	20	40				
22TK	8+14	DEU	2443	2444	40,6		179	20	40	20	40				
22TK	8+16	DEU	2445	2446	40,6		183	20	40	20	40	230			
22TK	8+19	DEU	2447	2448	40,6		187	20	40	20	40	200			
22TK	11+4	DEU	2451	2452	45	131	168	20	40	15	35			5,9	
22TK	11+5,5	DEU	2453	2454	45	132	170	20	40	15	35			6	
22TK	11+8	DEU	2455	2456	45	134	174	20	40	20	40			6	
22TK	11 + 11	DEU	2457	2458	45	138	179	20	40	20	40			6,1	
22TK	14+8	DEU	2503	2504	45	140	188	20	40	20	40				
22TK	14+11	DEU	2505	2506	45	140	190	20	40	20	40				
22TK	16+4	DEU	2461	2462	45	139	176	20	40	15	35			6,3	
22TK	16+5,5	DEU	2463	2464	45	140	179	20	40	15	35			6,3	
22TK	16+8	DEU	2465	2466	45	142	183	20	40	20	40			6,4	
22TK	16+11	DEU	2467	2468	45	146.2	188	20	40	20	40			6,5	
22TK	16+14	DEU	2469	2470	45	146.7	192.6	20	40	20	40			6,6	
22TK	16+16	DEU	2471	2472	45	147	196	20	40	20	40	230		6,9	
22TK	19+4	DEU	2473	2474	49	144	181	20	40	15	35			6,2	
22TK	19+5,5	DEU	2477	2478	45		183.5	20	40	15	35				
22TK	19+8	DEU	2479	2480	45		188	20	40	20	40				
22TK	19+11	DEU	2481	2482	45	154.2	192.5	20	40	20	40			6,8	
22TK	19+14	DEU	2483	2484	45	154	198	20	40	20	40				
22TK	19+16	DEU	2485	2486	45	154.2	201	20	40	20	40	230			
22TK	19+19	DEU	2487	2488	45	151.7	205	20	40	20	40	200		7,4	
22TK	22,5+8	DEU	2491	2492	52,5	167	205	20	40	20	40			6.9	
22TK	22,5+11	DEU	2493	2494	53	172	210	20	40	20	40				
22TK	22,5+14	DEU	2495	2496	53	172	215	20	40	20	40				
22TK	22,5+16	DEU	2497	2498	53	157	206	20	40	20	40	230		7,3	
22TK	22,5+19	DEU	2499	2500	58,5		223	20	40	20	40	200		7,8	
22TK	22,5+22,5	DEU	2501	2502	58,5		229	20	40	20	40	170			



PUMP CLOCKWISE
AS SHOWN IN DRAWING
- CW - ROTATION SHOWN

PUMP ANTICLOCK
IN AND OUT PORT CHANGED
- CCW - IN AND OUT ON OPPOSITE SIDE



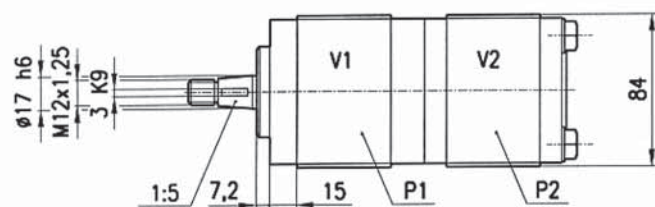
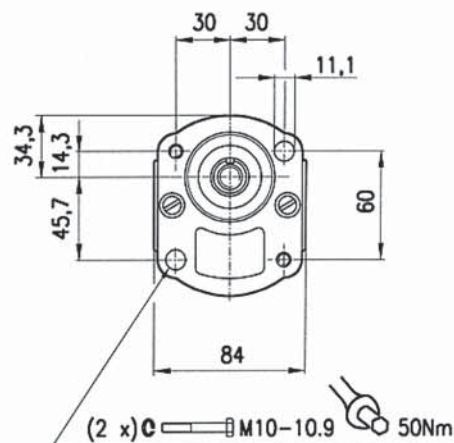
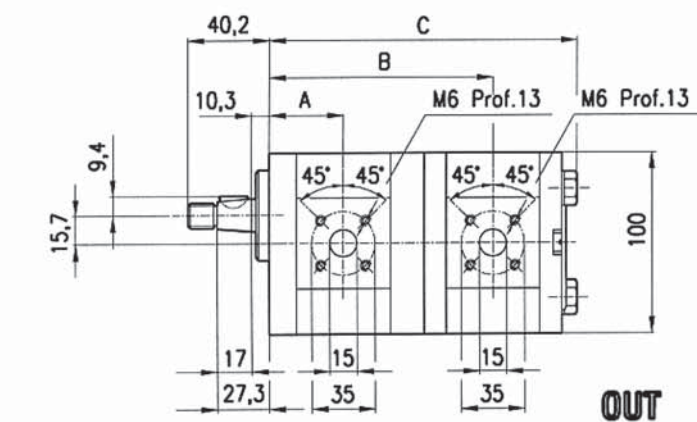
22TK DEU VS



Pompe ad ingranaggi gruppo 2+2 Frangitura per motori DEUTZ - KHD

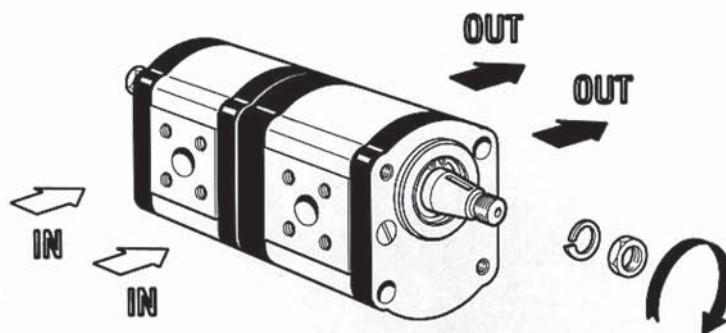
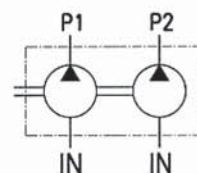
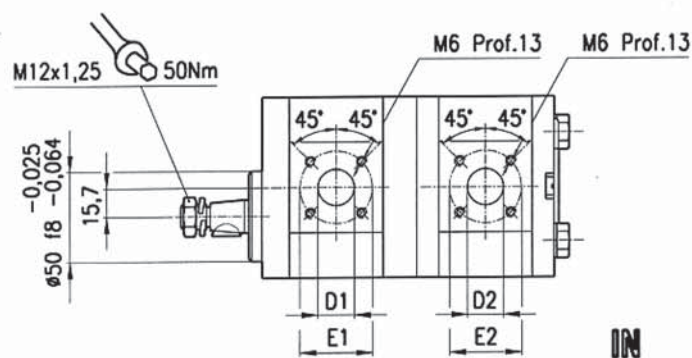
22TK DEU VS

CODICE			Articolo pompa N°		DIMENSIONI							ASPIRAZIONE	PRESS. MAX. P2	MASSA (Kg)	NOTE
SERIE	CM³	CONFIG.	SX	DX	A	B	C	D1	E1	D2	E2	BAR			
22TK	5,5+4	DEU-VS	2511	2512	39	121,5	181	15	35	15	35				
22TK	8+4	DEU-VS	2515	2516	40,6	125,6	185	20	40	15	35				
22TK	8+8	DEU-VS	2517	2520	41	129	191	20	40	20	40				
22TK	8+11	DEU-VS	2521	2522	41		196	20	40	20	40				
22TK	8+14	DEU-VS	2523	2524	40,6		201	20	40	20	40				
22TK	8+16	DEU-VS	2525	2526	41		205	20	40	20	40	230			
22TK	8+19	DEU-VS	2527	2528	41		209	20	40	20	40	200			
22TK	11+4	DEU-VS	2531	2532	45	130,6	190	20	40	15	35				
22TK	11+5,5	DEU-VS	2533	2534	45	131,8	192	20	40	15	35				
22TK	11+8	DEU-VS	2535	2536	45	134	196	20	40	20	40				
22TK	11 + 11	DEU-VS	2537	2538	45	137,9	201	20	40	20	40				
22TK	16+4	DEU-VS	2541	2542	45	139	198	20	40	15	35				
22TK	16+5,5	DEU-VS	2543	2544	45	140,2	201	20	40	15	35				
22TK	16+8	DEU-VS	2545	2546	45	142,3	204	20	40	20	40				
22TK	16+11	DEU-VS	2547	2548	45	146,2	209	20	40	20	40				
22TK	16+14	DEU-VS	2549	2550	45	146,7	215	20	40	20	40				
22TK	16+16	DEU-VS	2551	2552	45	146,7	218	20	40	20	40	230			
22TK	19+4	DEU-VS	2555	2556	49	144	203	20	40	15	35				
22TK	19+5,5	DEU-VS	2557	2558	45		206	20	40	15	35				
22TK	19+8	DEU-VS	2559	2560	45		210	20	40	20	40				
22TK	19 + 11	DEU-VS	2561	2562	45	154,2	214	20	40	20	40				
22TK	19 + 14	DEU-VS	2563	2564	45	154,2	210	20	40	20	40				
22TK	19 + 16	DEU-VS	2565	2566	45	154,2	223	20	40	20	40	230			
22TK	19+19	DEU-VS	2569	2570	45	151,7	227	20	40	20	40	200			
22TK	22,5+8	DEU-VS	2571	2572	53	167	227	20	40	20	40				
22TK	22,5+11	DEU-VS	2573	2574	52,5	171,5	232	20	40	20	40				
22TK	22,5+14	DEU-VS	2575	2576	53	171,5	237	20	40	20	40				
22TK	22,5+16	DEU-VS	2577	2578	53	157	229	20	40	20	40				



PUMP CLOCKWISE
AS SHOWN IN DRAWING
- CW - ROTATION SHOWN

PUMP ANTICLOCK
IN AND OUT PORT CHANGED
- CCW - IN AND OUT ON OPPOSITE SIDE

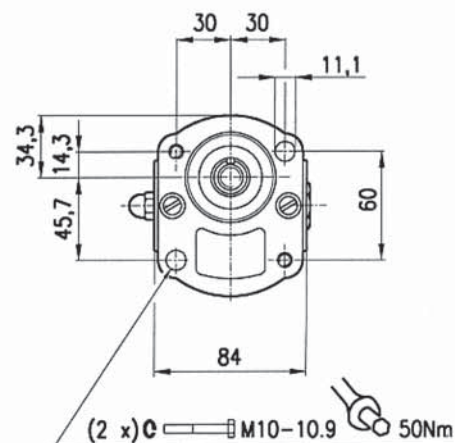
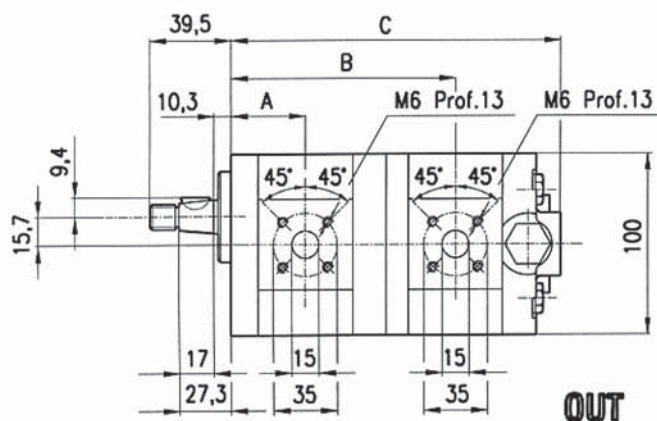




Pompe ad ingranaggi gruppo 2+2 Versioni per motori IHC - INTERNATIONAL

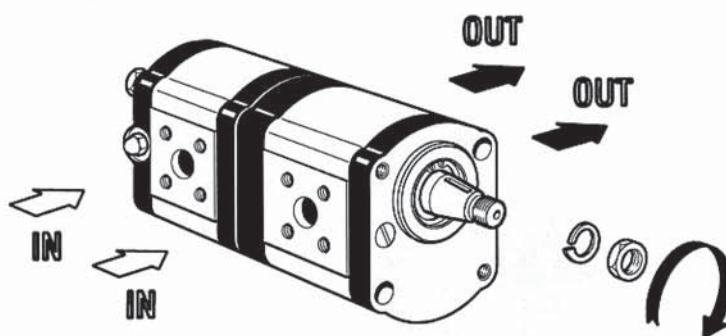
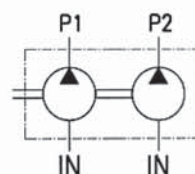
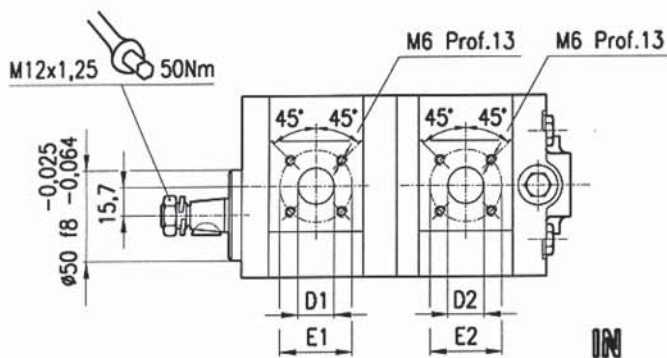
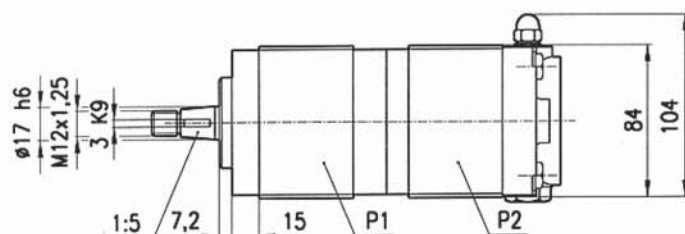
22TK INT

CODICE			Articolo pompa N°		DIMENSIONI							ASPIRAZIONE	PRESS. MAX. P2	MASSA (Kg)	NOTE
SERIE	CM³	CONFIG.	SX	DX	A	B	C	D1	E1	D2	E2	BAR			
22TK	5,5+4	INT	2595	2596	38,6	121,5	158,5	15	35	15	35			5,75	
22TK	8+4	INT	2597	2598	40,6	125,6	162,5	20	40	15	35			5,8	
22TK	8+5,5	INT	2509	2510	40,6	127	170	20	40	15	35				
22TK	8+8	INT	2599	2600	40,6	129	175	20	40	20	40			5,9	
22TK	8+11	INT	2601	2602	40,6			20	40	20	40				
22TK	8+14	INT	2603	2604	40,6		179	20	40	20	40				
22TK	8+16	INT	2605	2606	40,6		182,6	20	40	20	40				
22TK	8+19	INT	2607	2608	40,6		187	20	40	20	40				
22TK	11+4	INT	2611	2612	45	130,6	167,6	20	40	15	35			5,9	
22TK	11+5,5	INT	2613	2614	45	131,8	170	20	40	15	35			6	
22TK	11+8	INT	2615	2616	45	134	174,2	20	40	20	40			6	
22TK	11 + 11	INT	2617	2618	45	137,9	179,2	20	40	20	40			6,1	
22TK	16+4	INT	2621	2622	45	139	176	20	40	15	35			6,3	
22TK	16+5,5	INT	2623	2624	45	140,2	178,5	20	40	15	35			6,3	
22TK	16+8	INT	2625	2626	45	142,3	182,6	20	40	20	40			6,4	
22TK	16+11	INT	2627	2628	45	146,2	187,6	20	40	20	40			6,5	
22TK	16+14	INT	2629	2630	45	146,7	192,6	20	40	20	40			6,6	
22TK	16+16	INT	2631	2632	45	146,7	196	20	40	20	40			6,9	
22TK	19+4	INT	2635	2636	49	144	181	20	40	15	35			6,2	
22TK	19+5,5	INT	2637	2638	45		183,5	20	40	15	35				
22TK	19+8	INT	2639	2640	45		187,6	20	40	20	40				
22TK	19+11	INT	2641	2642	45	154,2	192,5	20	40	20	40			6,8	
22TK	19+14	INT	2643	2644	45	154,2	197,5	20	40	20	40				
22TK	19+16	INT	2645	2646	45	154,2	201	20	40	20	40				
22TK	19+19	INT	2647	2648	45	151,7	205	20	40	20	40			7,4	
22TK	22,5+8	INT	2651	2652	52,5	167	205	20	40	20	40			6,9	
22TK	22,5+11	INT	2653	2654	52,5	171,5	210	20	40	20	40				
22TK	22,5+14	INT	2655	2656	52,5	171,5	215	20	40	20	40				
22TK	22,5+16	INT	2657	2658	52,5	157	206,4	20	40	20	40			7,3	



PUMP CLOCKWISE
AS SHOWN IN DRAWING
- CW - ROTATION SHOWN

PUMP ANTICLOCK
IN AND OUT PORT CHANGED
- CCW - IN AND OUT ON OPPOSITE SIDE



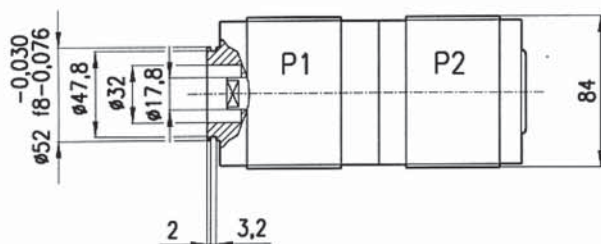
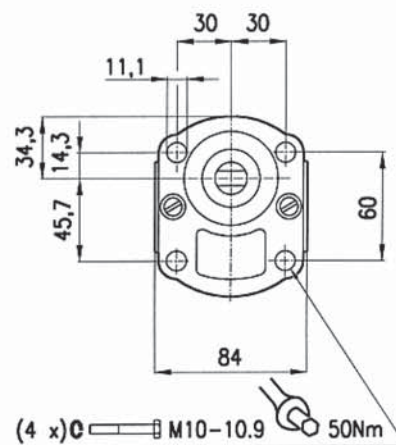
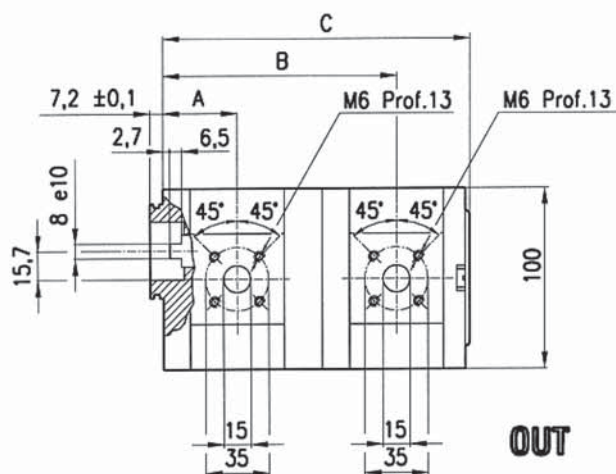
22TK INT VS



Pompe ad ingranaggi gruppo 2+2 Versioni per motori IHC - INTERNATIONAL CON VALVOLA LIMITATRICE

22TK INT VS

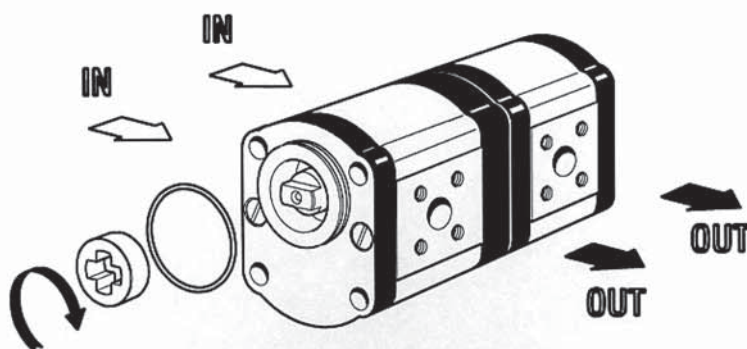
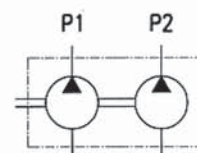
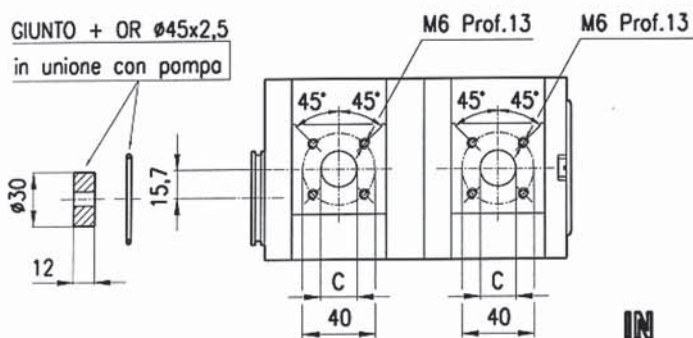
CODICE			Articolo pompa N°		DIMENSIONI							ASPIRAZIONE	PRESS. MAX. P2	MASSA (Kg)	NOTE
SERIE	CM³	CONFIG.	SX	DX	A	B	C	D1	E1	D2	E2		BAR		
22TK	5,5+4	INT VS	2755	2756	39	121.5	181	15	35	15	35				
22TK	8+4	INT VS	2757	2758	40,6	126	185	20	40	15	35				
22TK	8+5,5	INT VS	2781	2782	40,6	127	187	20	40	15	35				
22TK	8+8	INT VS	2759	2760	40,6	129	191	20	40	20	40				
22TK	8+11	INT VS	2761	2762	40,6		196	20	40	20	40				
22TK	8+14	INT VS	2763	2764	40,6		201	20	40	20	40				
22TK	8+16	INT VS	2765	2766	40,6		205	20	40	20	40	230			
22TK	8+19	INT VS	2769	2770	40,6		209	20	40	20	40	200			
22TK	11+4	INT VS	2771	2772	45	131	190	20	40	15	35				
22TK	11+5,5	INT VS	2773	2774	45	132	192	20	40	15	35				
22TK	11+8	INT VS	2775	2776	45	134	196	20	40	20	40				
22TK	11 + 11	INT VS	2777	2778	45	138	201	20	40	20	40				
22TK	16+4	INT VS	2779	2780	45	139	198	20	40	15	35				
22TK	16+5,5	INT VS	2783	2784	45	140	201	20	40	15	35				
22TK	16+8	INT VS	2785	2786	45	142	204	20	40	20	40				
22TK	16+11	INT VS	2787	2788	45	146	209	20	40	20	40				
22TK	16+14	INT VS	2791	2792	45	147	215	0,2	40	20	40				
22TK	16+16	INT VS	2793	2794	45	147	218	20	40	20	40	230			
22TK	19+4	INT VS	2797	2798	49	144	203	20	40	15	35				
22TK	19+5,5	INT VS	2799	2800	45		206	20	40	15	35				
22TK	19+8	INT VS	2801	2802	45		210	20	40	20	40				
22TK	19+11	INT VS	2803	2804	45	154	214	20	40	20	40				
22TK	19+14	INT VS	2805	2806	45	154	210	20	40	20	40				
22TK	19+16	INT VS	2809	2810	45	154	223	20	40	20	40	230			
22TK	19+19	INT VS	2811	2812	45	152	227	20	40	20	40	200			
22TK	22,5+8	INT VS	2815	2816	53	167	227	20	40	20	40				
22TK	22,5+11	INT VS	2817	2818	53	172	232	20	40	20	40				
22TK	22,5+14	INT VS	2821	2822	53	172	237	20	40	20	40				
22TK	22,5+16	INT VS	2823	2824	53	157	229.	20	40	20	40				



PUMP CLOCKWISE
AS SHOWN IN DRAWING
- CW - ROTATION SHOWN

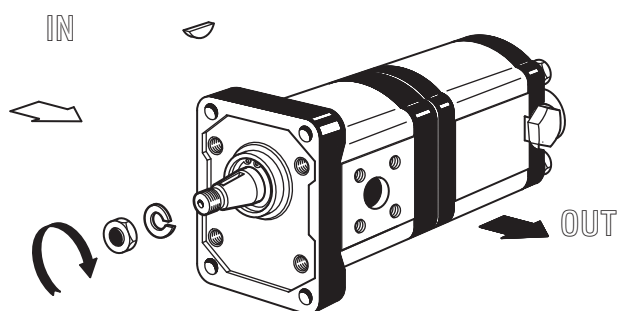
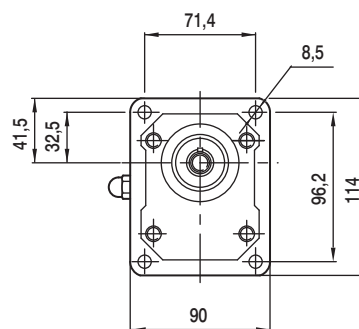
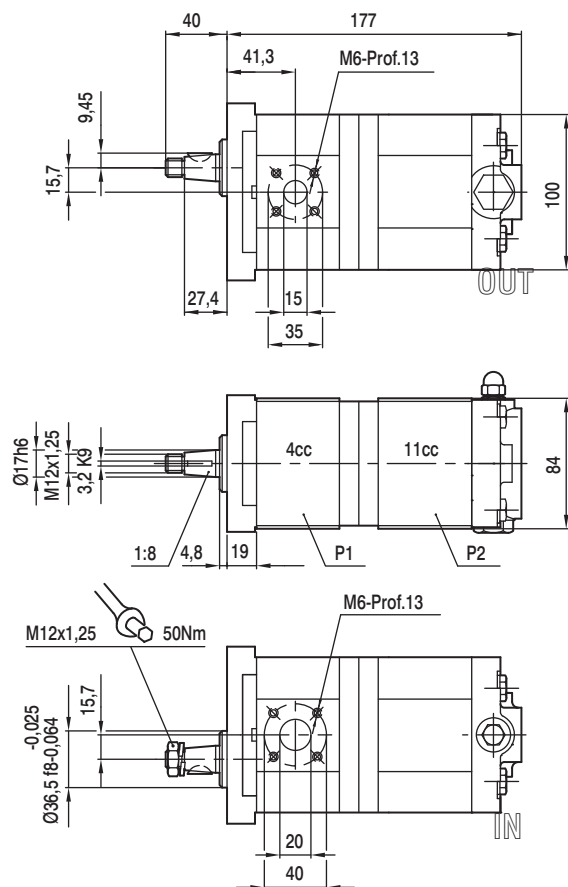
PUMP ANTICLOCK
IN AND OUT PORT CHANGED
- CCW - IN AND OUT ON OPPOSITE SIDE

GIUNTO + OR Ø45x2,5
in unione con pompa



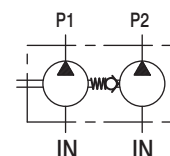
22TK ME

[illegible]



PUMP CLOCKWISE
AS SHOWN IN DRAWING
- CW - ROTATION SHOWN

PUMP ANTICLOCK
IN AND OUT PORT CHANGED
- CCW - IN AND OUT ON OPPOSITE SIDE



22TK 4+11 D-CB-UA-VX-VS150

[illegible]

49



50



51



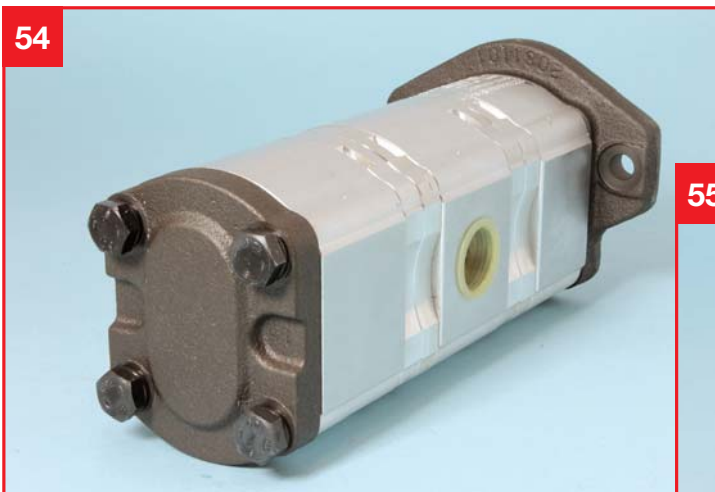
52



53



54



55



56



57



58

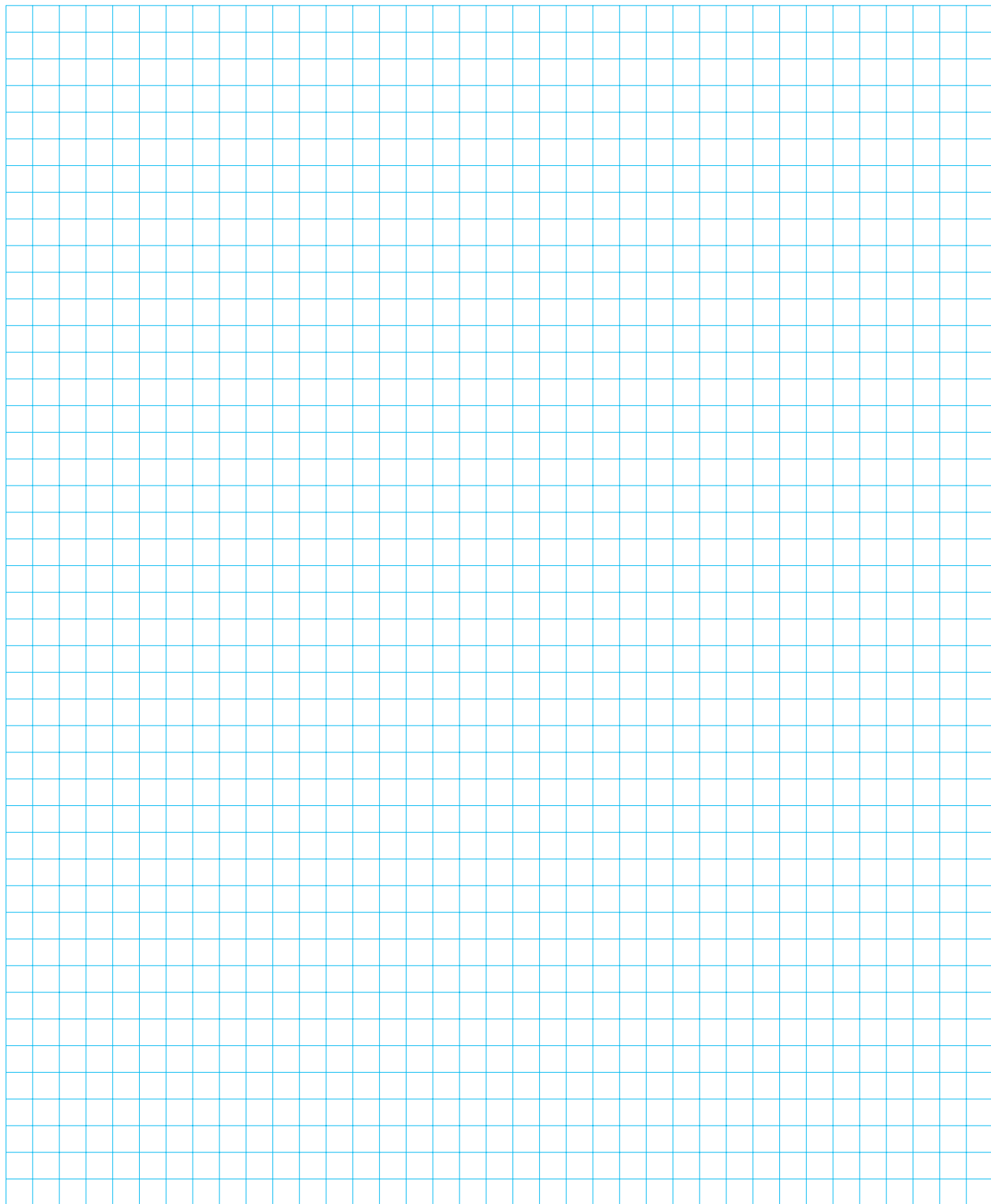


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NOTE



TK&K FLUIDODINAMICA s.r.l.

Via Salgari, 51 - 41123 Modena - (Italy)

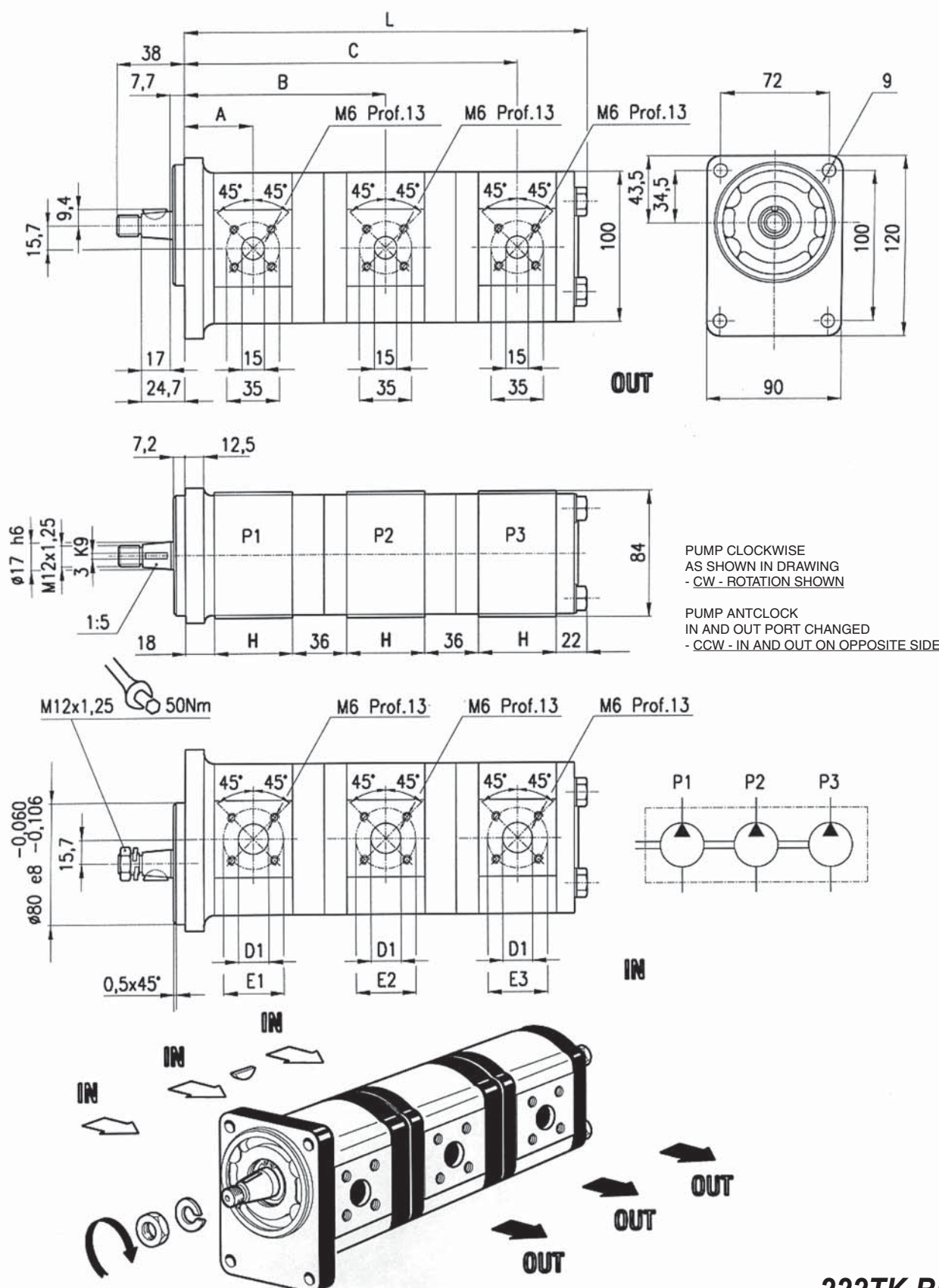
Tel. +39 059 331923 - Fax +39 059 331941

E-mail: tkkfluid@tkkfluid.it - commerciale@tkkfluid.com

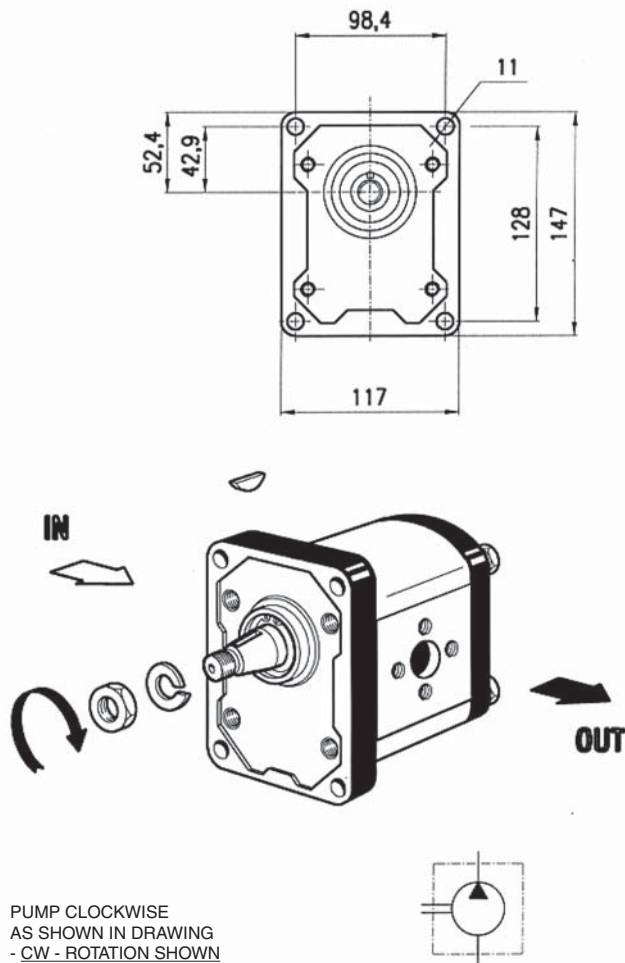
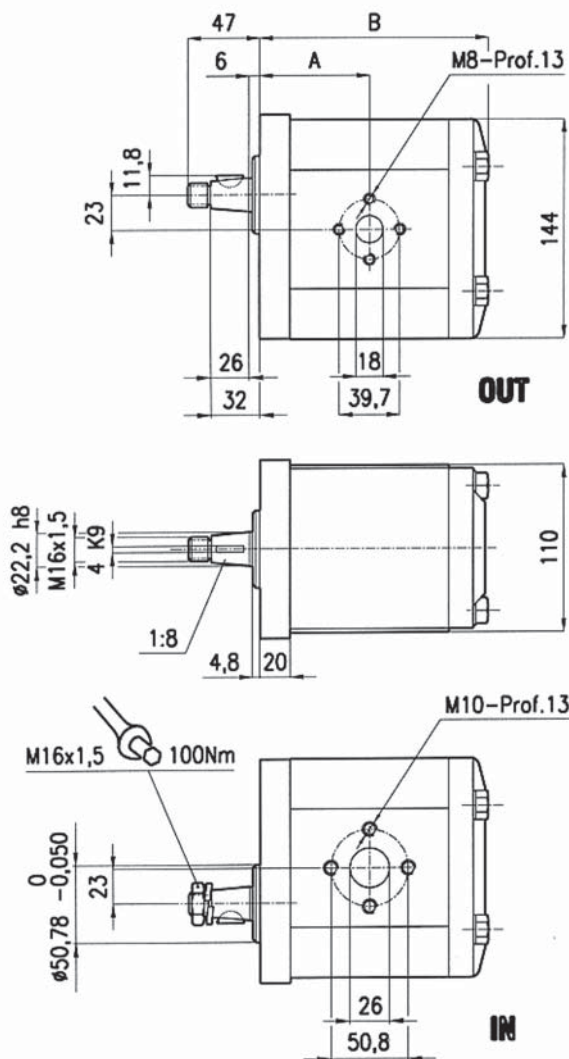
www.tkkfluid.it



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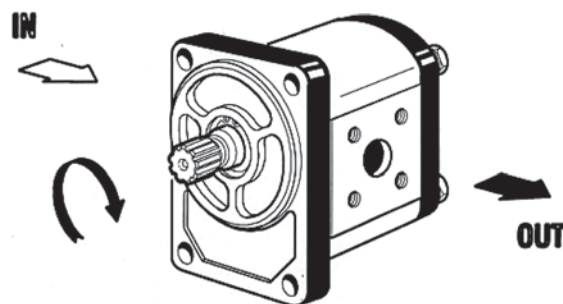
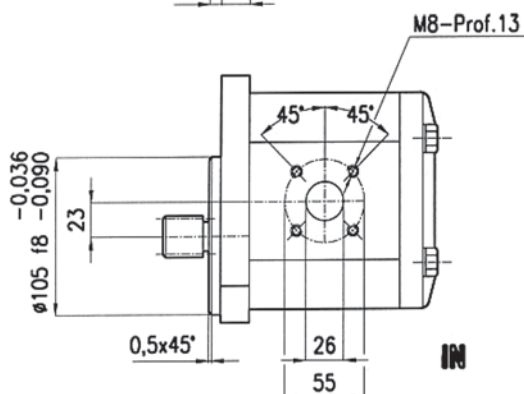
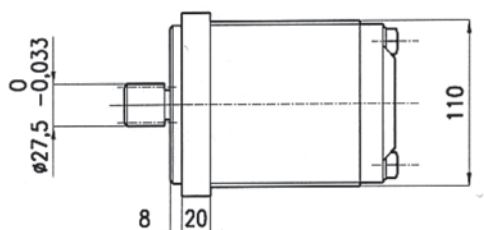
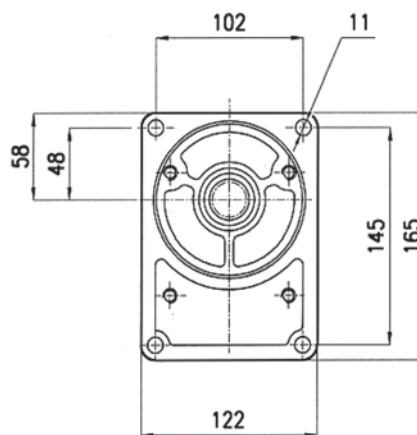
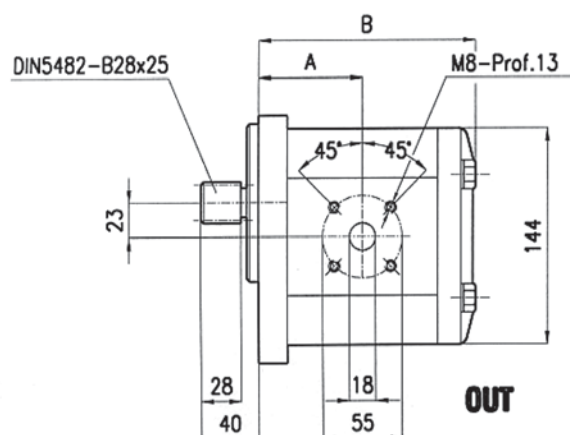
PUMP ANTICLOCK
IN AND OUT PORT CHANGED
- CCW - IN AND OUT ON OPPOSITE SIDE

3TK

CODICE			Articolo pompa N°		DIMENSIONI								PRESS. MAX. P2	MASSA (Kg)	NOTE
SERIE	CM³	CONFIG.	Rotazione		A	B	C	D1	E1	D2	E2	BAR			
3TK	22,5		SX	DX	61	128,7								9	
3TK	28		3455	3456	63	133,7								9	
3TK	32		3459	3460	64,5	137,2								9,2	
3TK	38		3463	3464	66,5	142,7								9,5	
3TK	45		3467	3468	69,5	149,2								9,7	
3TK	56		347 1	3472	77,2	160,2								10.2	
3TK	63		3475	3476											
			3511	3512											

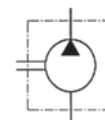
123

124



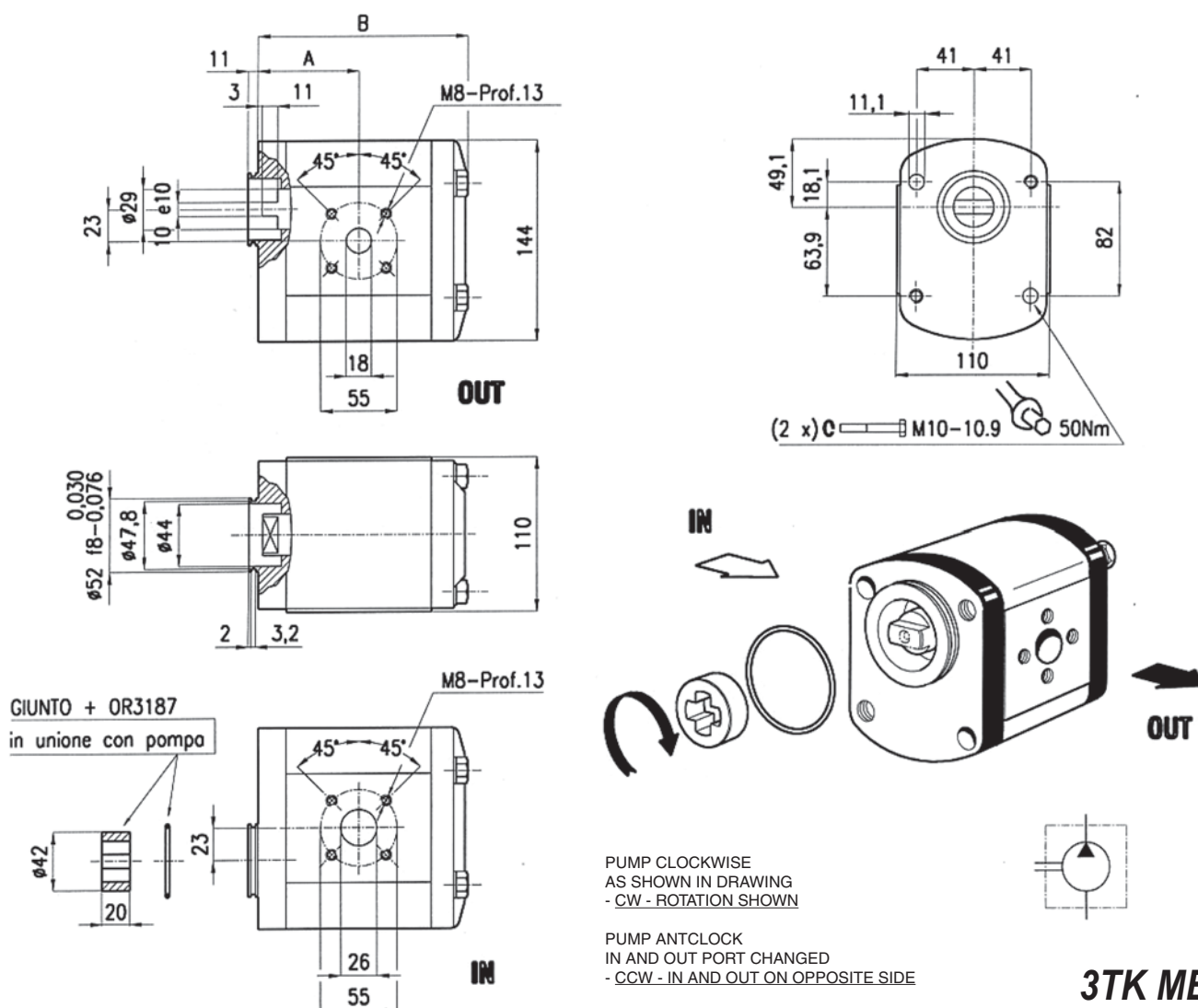
PUMP CLOCKWISE
AS SHOWN IN DRAWING
- CW - ROTATION SHOWN

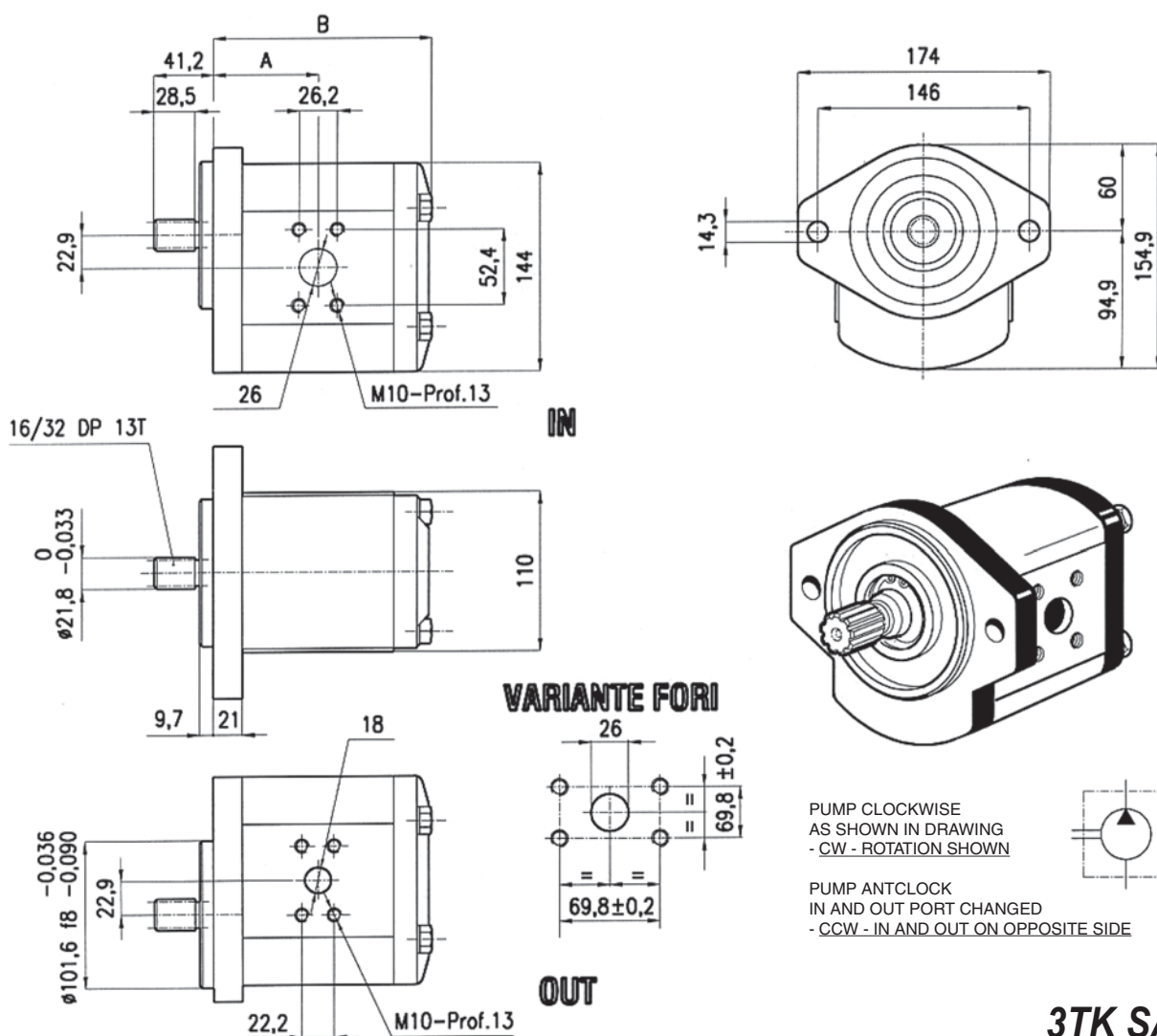
PUMP ANTICLOCK
IN AND OUT PORT CHANGED
- CCW - IN AND OUT ON OPPOSITE SIDE



3TK BS

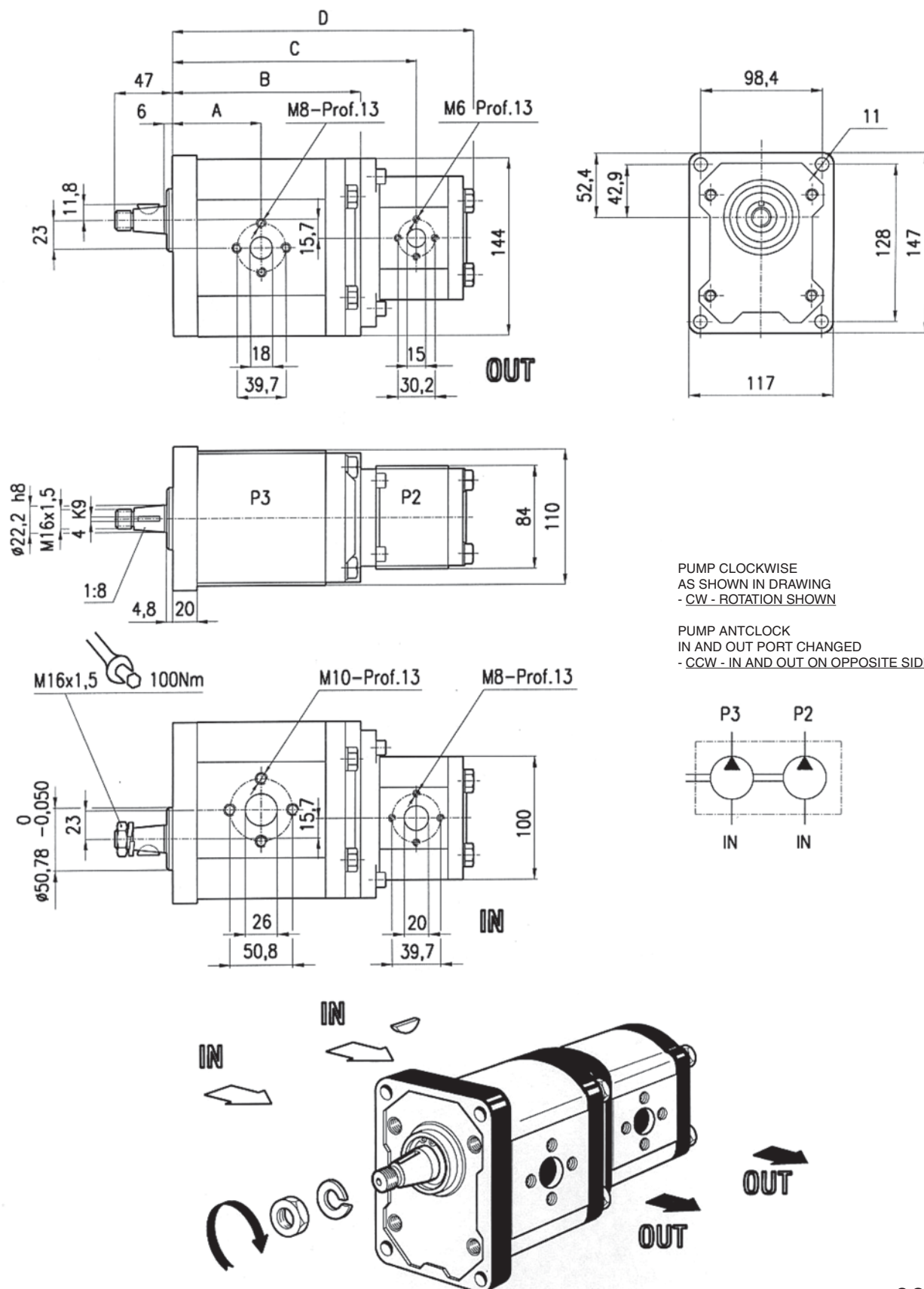
CODICE			Articolo pompa N°		DIMENSIONI								PRESS. MAX. P2	MASSA (Kg)	NOTE
SERIE	CM³	CONFIG.	Rotazione		A	B	(IN) C	(OUT) D					BAR		
3TK	22,5	BS	SX	DX	61	128,7								9	
3TK	28	BS	3555	3556	63	133,7								9,2	
3TK	32	BS	3559	3560	64,5	137,2								9,4	
3TK	38	BS	3563	3564	66,5	142,7								9,7	
3TK	45	BS	3567	3568	69,5	149,2								9,9	
3TK	56	BS	3571	3572	77,2	160,2								10,4	
			3575	3576											

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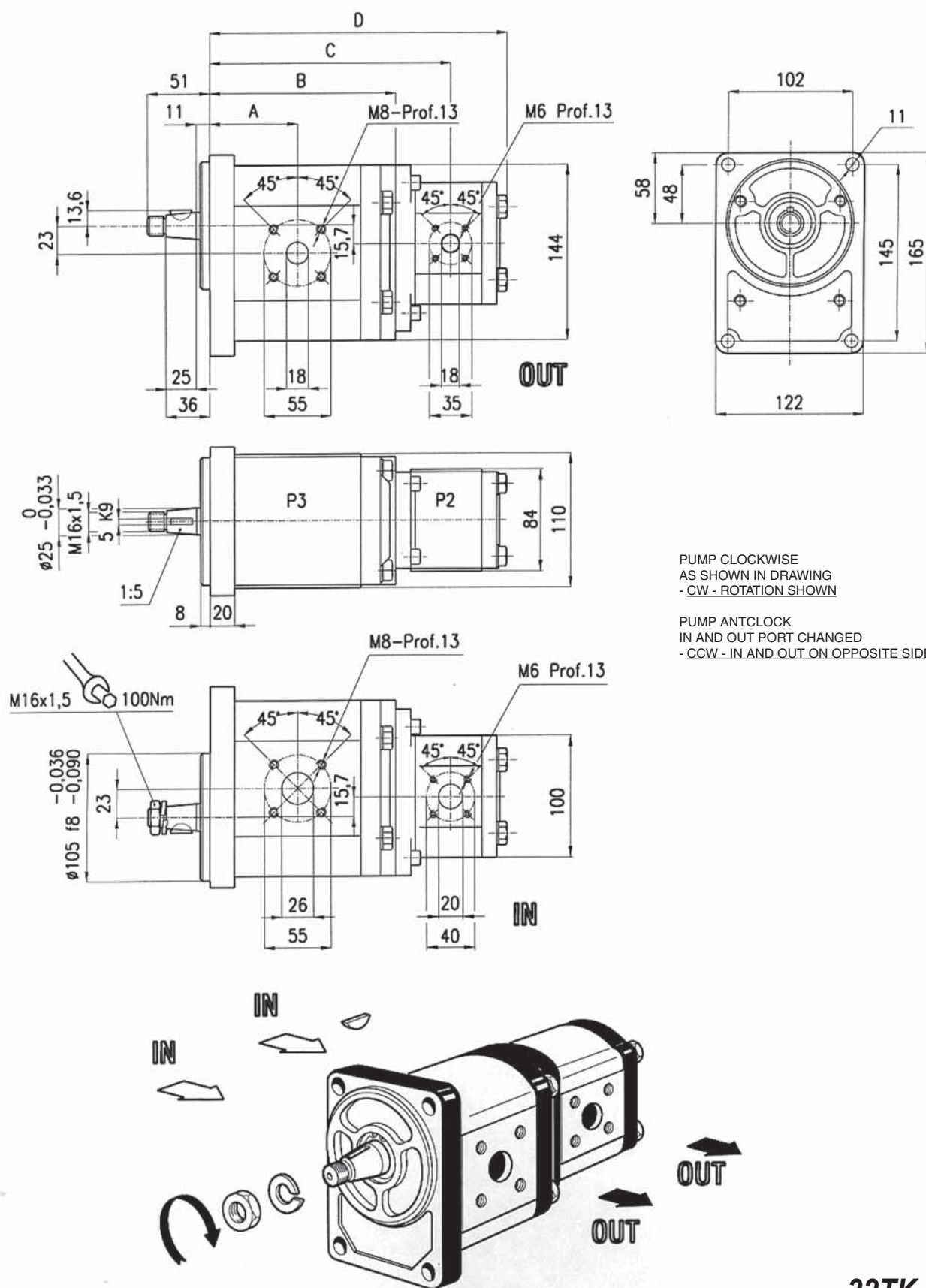


3TK SAE B

CODICE			Articolo pompa N°		DIMENSIONI							PRESS. MAX. P2	MASSA (Kg)	NOTE
SERIE	CM³	CONFIG.	Rotazione		A	B	(IN) C	(OUT) D				BAR		
3TK	22,5	SAE B	SX	DX	62	129,7							9,5	
3TK	28	SAE B	3735	3736	64	134,7							9,7	
3TK	32	SAE B	3739	3740	65,5	138,2							9,9	
3TK	38	SAE B	3743	3744	67,5	143,7							10,2	
3TK	45	SAE B	3747	3748	70,5	150,2							10,4	
3TK	56	SAE B	3751	3752	78,2	161,2							10,9	
			3755	3756										



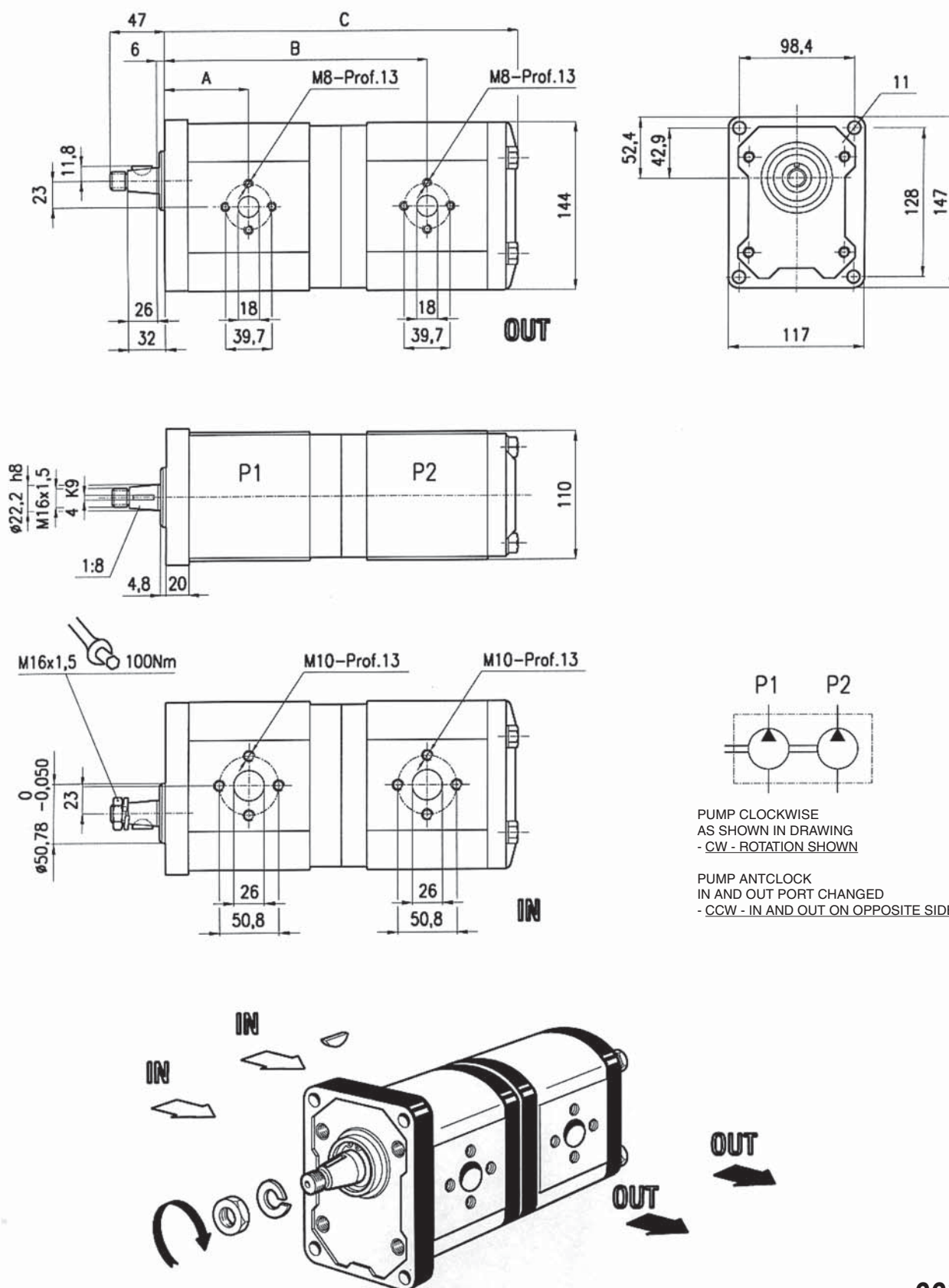
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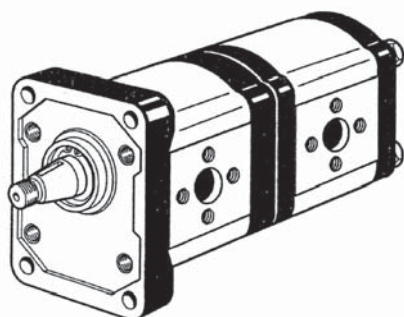
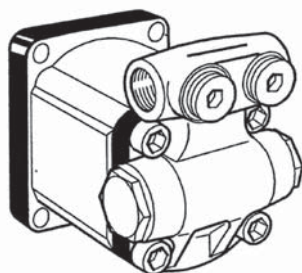
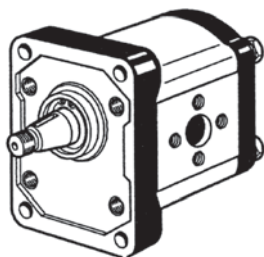
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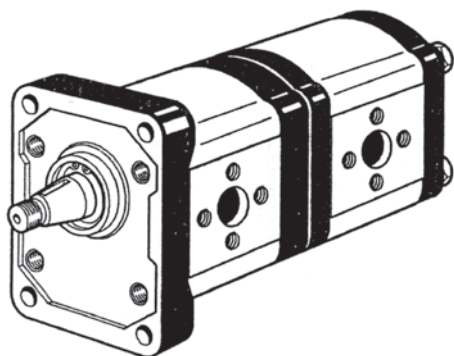
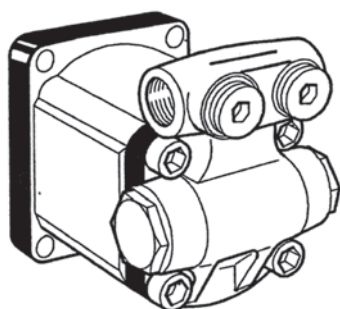
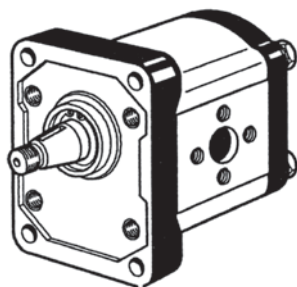
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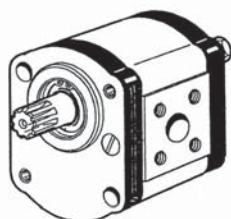
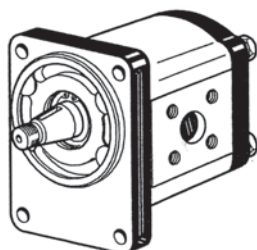
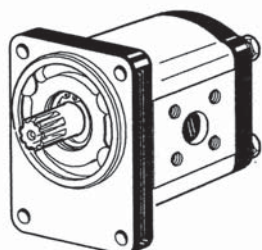
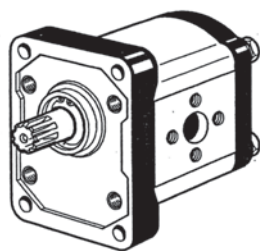
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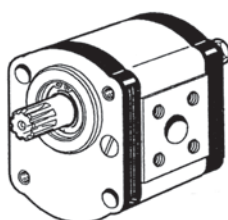
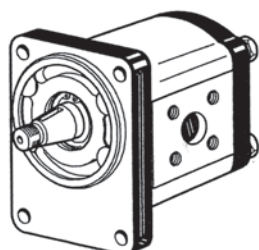
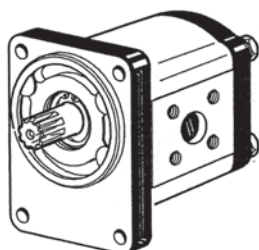
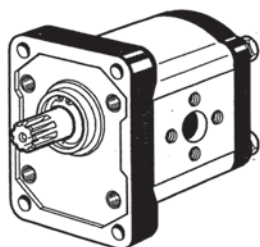
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1901317	343	5135147	5135147
1901319	345	5135305	5135305
1909828	348	5135887	483
1909919	410	5149231	483
1930044	346	5154075	3457
1930046	347	5161711	5161711
1930049	348	5162569	485
1930052	345	5165914	698
1930056	346	5167392	483
1930064	345	5167394	676
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1930398	8004013	5167403	480
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5120406	347	5169039	412
5120481	353	5169041	418
5120849	410	5169042	418
5120964	342	5169770	416
5120971	346	5169772	410
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5121472	8294812	5179719	410
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5126478	5126478	5179724	346
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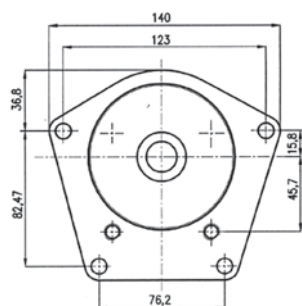
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8273024	8004014
8273030	8004018
8273385	348
8273931	343
8273957	351
8273970	344
8273973	408
8273974	348
8273975	352
8273977	354
8280127	410
8281794	343
8282449	8004013
9967782	416
9967927	416
9967928	410
9967929	410
9967930	346
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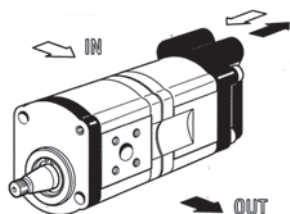
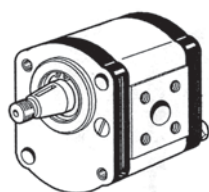
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2.4529.260.0	575	2.4529.920.0	691
2.4529.270.0	555	2.4529.950.0	687V
2.4529.280.0	556	2.4529.960.0	687
2.4529.300.0	541	2.4529.970.0	536
2.4529.310.0	559	2.4529.980.0	536
2.4529.330.0	537V	2.4539.020.0	538
2.4529.340.0	345	2.4539.030.0	538
2.4529.360.0	533	2.4539.060.0	540
2.4529.370.0	531	2.4539.080.0	686
2.4529.380.0	581	2.4539.090.0	693AV
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2.4529.590.0	343	2.4539.360.0	555
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IHC Tractors

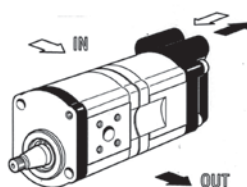
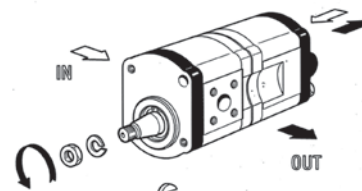
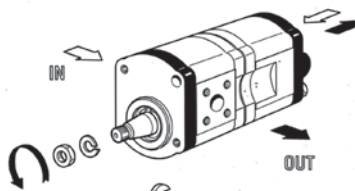
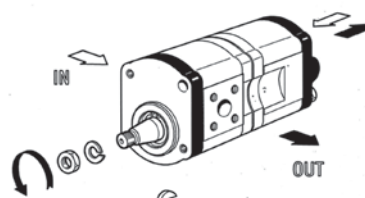


TRACTORS				
IH - CASE	IH - CASE ED ALTRI RIFERI- MENTI	CM ³ LITRI 1000 GIRI	POMPA TK&K TYPE	ARTIC. LISTINO
INTERNATIONAL				

B250 - B275		11	2TK 11 FD 18 FP	362
B414 - B434 - B444				
SOLLEVATORE				

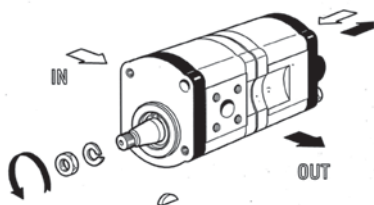
353 - 383 - 423 - 433	314524.R93	8	2TK 8 INT CA	5007
453 - 523 - 533 - 553				
624 - 633 - 644 - 654	0510415311			
724 - 734 - 744 - 824				
SOLLEVATORE				

523 - 553 - 624 - 654	3145619.R92	8 + 8	22TK 8+8 S INT UA UP VS	5026
734 - 824 - 844 SB	0510465353	SOLL.8		
	EX 0510465315			
USCITE POSTERIO- RI				
UNICA ASPIRAZIO- NE	3146446.R93	11+8	22TK 11+8 INT UA UP VS	2663
VALVOLA PRESSIONE	0510565394	SOLL.11		
	EX 0510465314			
SOLLEVATORE + GUIDA	EX 0510465315			

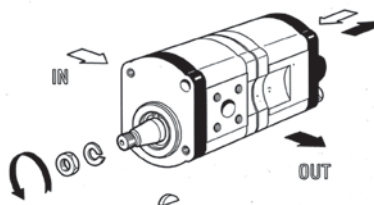


TRACTORS				
IH - CASE	IH - CASE ED ALTRI RIFERI- MENTI	CM ³ LITRI 1000 GIRI	POMPA TK&K TYPE	ARTIC. LISTINO
INTERNATIONAL				
633 - 644 - 645 -	3147535.R91	8 + 8	22TK 8+8 INT UA UP	5015
743 745 - 745S -	0510465349	(SERIE)		
833 - 844 845 - 845S				
	CON POMPA			
USCITE POSTERIORI	SOLLEVATORE 11 CM	11+8	22TK11+8 INT UA UP	5020
UNICA ASPIRAZIONE		(VARIANTE)		
SOLLEVATORE + GUIDA				
743XL - 745XL	1328655.R91	8 + 8	22TK 8+8 INT UA UP V	5014
844XL - 845XL	0510465340	VITON		
USCITE POSTERIORI				
UNICA ASPIRAZIONE				
SOLLEVATORE + GUIDA				
956XL - 956XLA	89880 C91	11+8	22TK11+8 INT UP V	5025
1056XL-1056XLA	0510565365	VITON		
2 ASPIRAZIONI				
1 MANDATA LATERA- LE				
1 MANDATA POSTE- RIORE				
SOLLEVATORE + GUIDA				
946-1046-1246	3146446.R93	11+8	22TK11+8 INT UA UP VS	2663
	0510565394			
USCITE POSTERIORI	EX 0510565314			
UNICA ASPIRAZIONE	EX 051 0565311			
VALVOLA LIMITATRI- CE				
SOLLEVATORE + GUIDA				

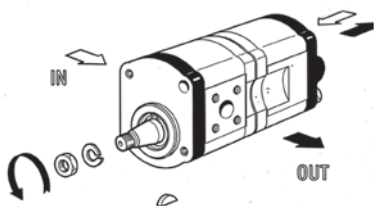
TRACTORS				
IH - CASE	IH - CASE ED ALTRI RIFERIMENTI	CM ³ LITRI 1000 GIRI	POMPA TK&K TYPE	ARTIC. LISTINO
INTERNATIONAL				



745XL - 845XL - 856XL	3401189.R94	8+8	22TK8+8 INT RFC18V	5013
NO - O.DRAULIC	0510465339	VITON		
UNICA ASPIRAZIONE				
DIVISORE DI FLUSSO				
SOLLEVATORE + GUIDA				

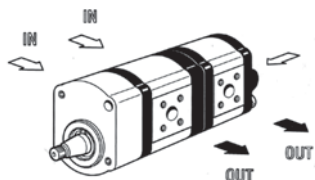


	<u>VECCHI</u>			
955 - 956XL 1055-1056XL	<u>MODELLI</u> 0510565395	11+8	22TK11+8 INT UA UP VNR	5028
NO - O.DRAULIC				
UNICA ASPIRAZIONE				
USCITE POSTERIORI				
<u>SEDE PER VALVOLA UNIDIR.</u>				
SOLLEVATORE + GUIDA				

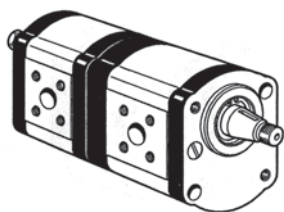


-956XL-1055S	0510565396	11+8	22TK11+8 INT UA UP	5029
1056XL-1055XL	TRAS.SCAN		(SENZA SEDE VNR)	
NO - O.DRAULIC				
UNICA ASPIRAZIONE				
USCITE POSTERIORI				
SOLLEVATORE + GUIDA				

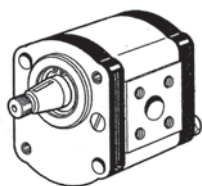
TRACTORS				
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INTERNATIONAL				



1255XL	3226942.R93	14 + 11	22TK 14+11 INT TI UP	2633
1455XL	0510555306			
SUPPORTO CON CUSCINETTI 1				
USCITA POSTERIORE				
SOLLEVATORE + GUIDA				



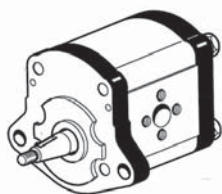
CON MOTORI MVM CS78	0510665335	16 + 11	22TK 16+11 DEU CA	5030
CS86 - 385 CS88				
CS94 - 995				
CX50-CX100				
3210-3240-4210				
4240 - 4220 - 4230				
SOLLEVATORE + GUIDA				



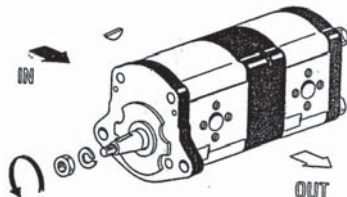
CS50 - CS75 - CS78	0510515316	14	2TK 14 DEU CA	599CA
SOLLEVATORE				

	ART. LIST	RENAULT	TK&K
RIFERIMENTO POMPA ORIGINALE		TRACTOR	
0510625334 (cm ³ 16)	901	R30-R50-R53 R60-R70-R80 R88-R89-R90 351M-461M 498-492-496 R32-R42-R44	2TK16S R
0510565323 (cm ³ 14+8)	2321	61-12 65-12 75-12 75-32 65-34 75-34 94 421 461 551 556 601 651 656 681 751 781 782 891 921 981 1151 1181 7105 7106 7132 7441 7451 7456 7461 7466 7481 7491 7494 7504 7591 7622 7624 7644 7661 7664	22TK14+8S R
0510765347 (cm ³ 22+11)	2323	ERGOS 85-105 ERGOS340-350 85-95 CERES 65 - 75 - 85 - 95	22TK 22+11 S R

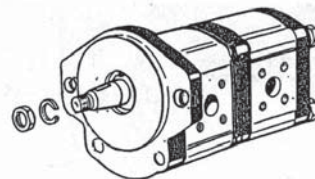
	ART. LIST	RENAULT	TK&K
RIFERIMENTO POMPA ORIGINALE		TRACTOR	
0510665417 (cm ³ 19+11)	2325	TS TZ TE TA ZC TXE ZCE 110.54155.54 106.54 103.5270.32 70.34 58 -3265-32 85.32 90.32	22TK 19+11S R
0510665093 (cm ³ 16+11)	2330	110.14 120.14 145.14 94.14 113.14 133.14	22TK 16+11D R
0510565322 (cm ³ 11+8)	2041	R461 - 462	22TK 11+8S R
0510565323 (cm ³ 14+8)	2321	R652- 651 R656-981	22TK 14+8S R



2TK 16S R

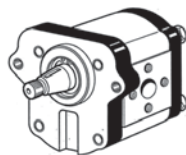


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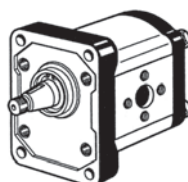


22TK 22+11 SA R

CODICE DI ORIGINE	RICAMBIO	ART. LIST
MF LANDINI	TK&K PUMP	
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3533911 M91	2TK11SMF	309
3539858 M91	2TK 11 S 3030	831
3534941 M91	2TK 11 S MF 3040V	303
3534387 M91	2TK 11 DVMF2 4030	304
3539857 M91	2TK11D3030	832
3536740 M91	3TK 22 STD 4050	3455
3549614 M91	3TK28S4040	3457
3540970 M91	2TK11 S3030VSE	365
3533910M91	2TK 11 D V MF2	
3536739M91	3TK 28 S 40X40	3457



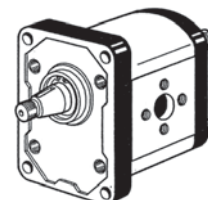
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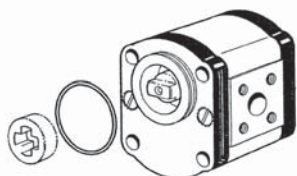
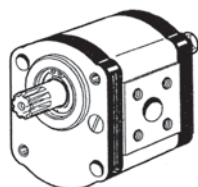
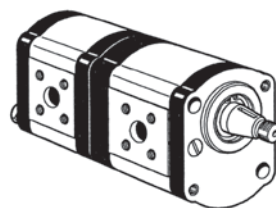
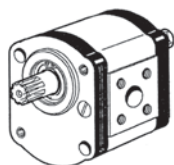
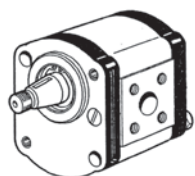
2TK STANDARD

landini

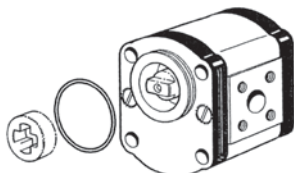
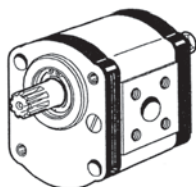
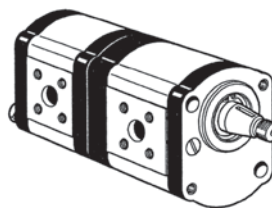
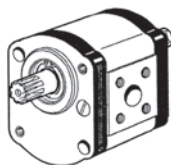
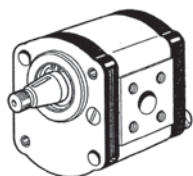
MF
Massey Ferguson



3TK STANDARD



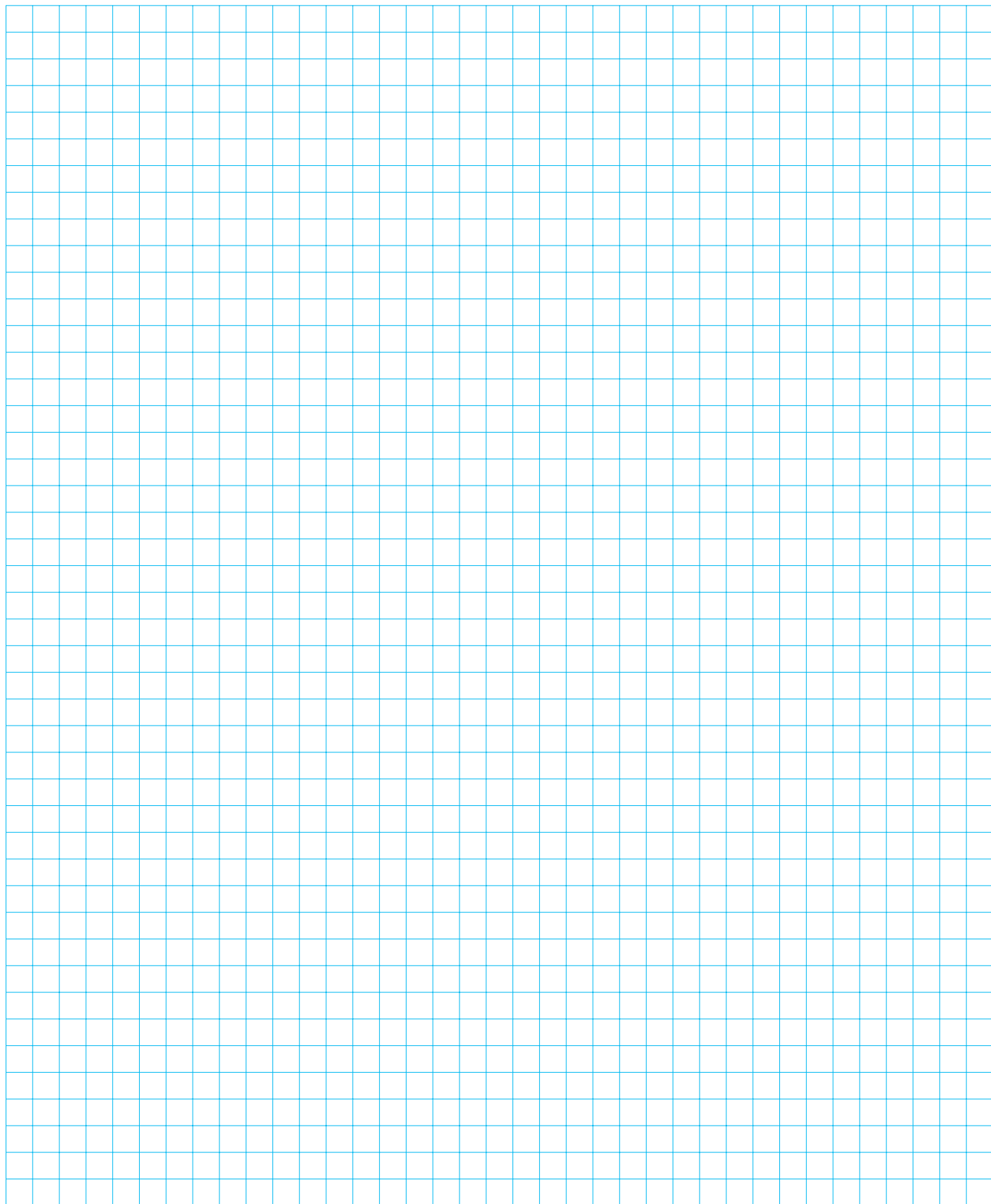
DEUTZ	POMPA CM³	ALTRI RIFERIMENTI	TK&K PUMP	ART. LIST
* D30S * D50 * D30 * D55	8	0510445001	2TK 8 D TI	796
* 040S	16	051 0645004	2TK 16 D TI	800
* D5006 * D40L(812) * D5206 * D4006 * D55 * D2505 * D4506 * D5506 * D6206 * D3005 * D6006 * D4005 * D6806 * D4505 * 07006 * D5005 * D7206 * D6005 * DX36V * D2506 * DX.50V * D3.Q06 * DX55V(2RM)	11	0510515323	2TK 11 S DEU	597
* D5505 * D7206 * D3607 * D5206 * D2807 * D5506 * D4007 * D4807 * D6006 * D4507 * D7007 * D6206 * D5207 * D7207 * D6806 * D6207 * D7807 * D7006 * D6807 * D7016 * DX50 DX36V * DX7.10 * DX55 * DX 3.10 V.C * * DX-3.30 VC. * DX 3.50 V.C. * DX 3.60 V.C. * DX 3.65 V.G.* * DX 3.70 V.C. * DX3.90 VC	14	0510515328	2TK 14 S DEU	599
* D13006 * Intrac2002 2003 * D4807 * D6206 * DX3.10VC * D6006 * DX3.10 SC * D6806 * D5207C * D7206 * D6007C * D6207 * D7007 * D10006 * D8006 * D4007 * D4507C * D6807C * D4807C * D4507 * D6907C * D7207C * D5207 * D7807C * DX140 * D6007 * DX3.10 V * D6507 * DX3.30VF * D6807 * DX3.50VFS D7207 * DX3.70VF * D7807 * DX3.90 VFS	16	0510615326	2TK 16 S DEU	601
* DX140 * DX160 * DX7.10	22.5	0510715313	2TK 22 S DEU SC V	695V
* DX140	19	0510615008	2TK 19 D ME	756



DEUTZ	POMPA CM³	ALTRI RIFERIMENTI	TK&K PUMP	ART. LIST
D5005D-D6005D- D9005D-D6806D- D7206D-D8006-DX140 -D9006 DX160-D10006 D6207 DX3.10V- D6507C DX3.30V- D6507 DX3.50V DXS70V	19	0510615338	2TK 19 S DEU	603
D8006-DX160 D9006-DX3.30 D10006-DX3.50 D5505-DX3.70 S206-OX3.90 D5506-DX7.10 D4006-D7206 D4506-DX30V D5006-DX50V D6006-DX55V D6206-DX3.10 D6806-DX36V D7006	14 16	0510515328 0510615326	22TK 14 S DEU 22TK 16 S DEU	599 601
D6807-DX3.60 D6807C-DX3.65 D7207-DX4.10 D7207C-DX4.30 D7007-DX4.31 D7807CDX80 D7807C-DX86 DX92-DX92 DX3.70VF DX3.50S DX3.90VF	16+11	0510665382	22TK 16+11 S DEU V	2467V
DX80-DX86-DX92 DX3.90-DX4.31 DX4.50-DX4.51 DX4.61-DX4.70 DX4.71-DX6.05 AGRO XTRA 4.47 AGRO XTRA 4.57 AGRO XTRA 4.51	19+11	0510665368	22TK 19+11 S DEU	2481V
DX85-DX90 DX110-DX120 DX145	16+14	0510665381	22TK 16+14 S DEU V	2469V
DX3.11-DX6.31 DX6.61-DX85 DX90-DX110 DX120-DX145 DX6.10-DX6.30 DX6.50-DX3.60VC	22+16	0510765337	22TK 22+16 S DEU SC V	5111
DX3.90VF DX3.60SCC DX3.90VC DX3.70VF DX3.90SC DX3.70SC-VF-SE AGROSTAR 6.08 AGROSTAR 6.8/6.21	22+14	0510765336	22TK 22+14 S DEU SC V	2507 AV



NOTE



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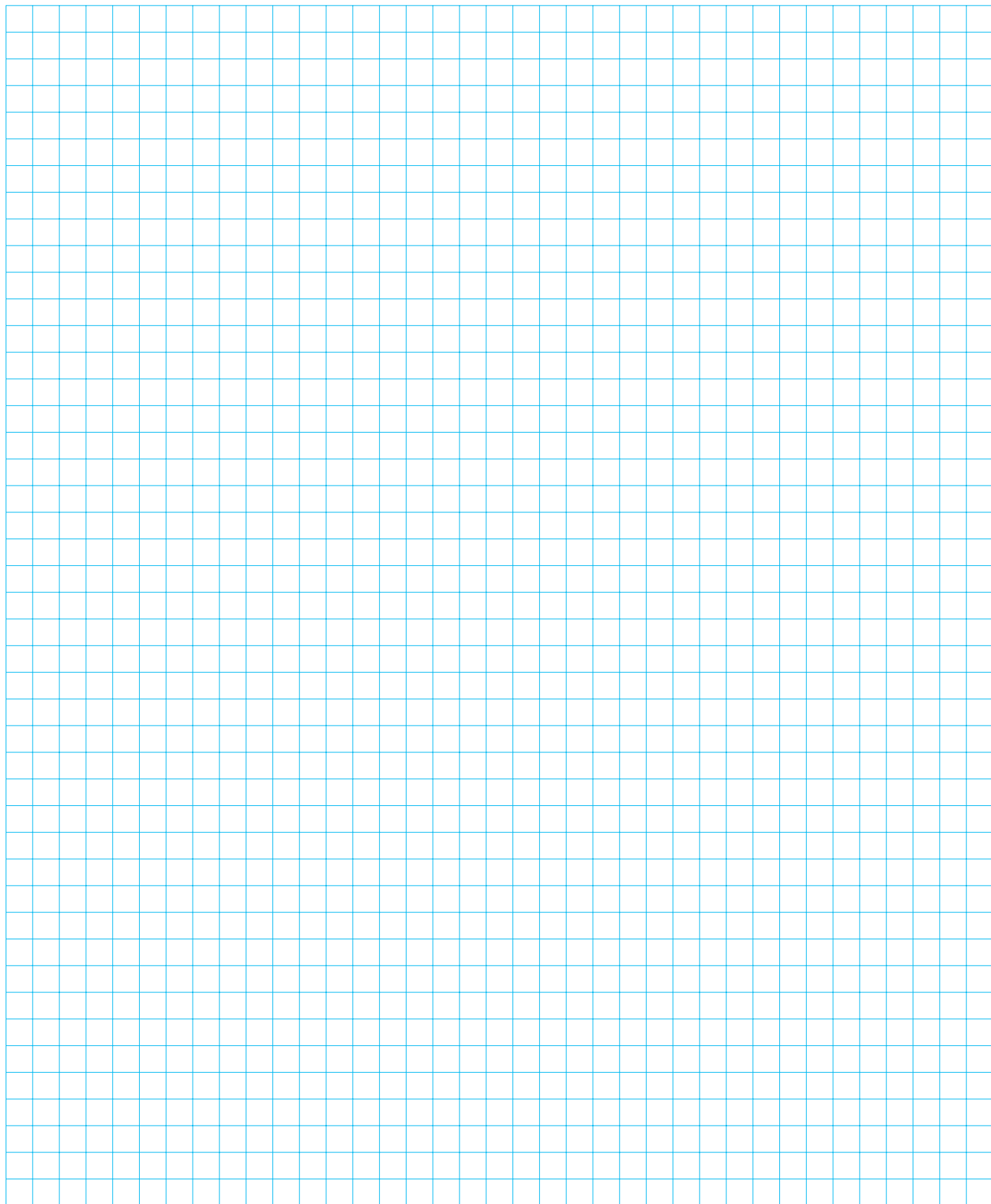
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E-mail: tkkfluid@tkkfluid.it - commerciale@tkkfluid.com

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NOTE



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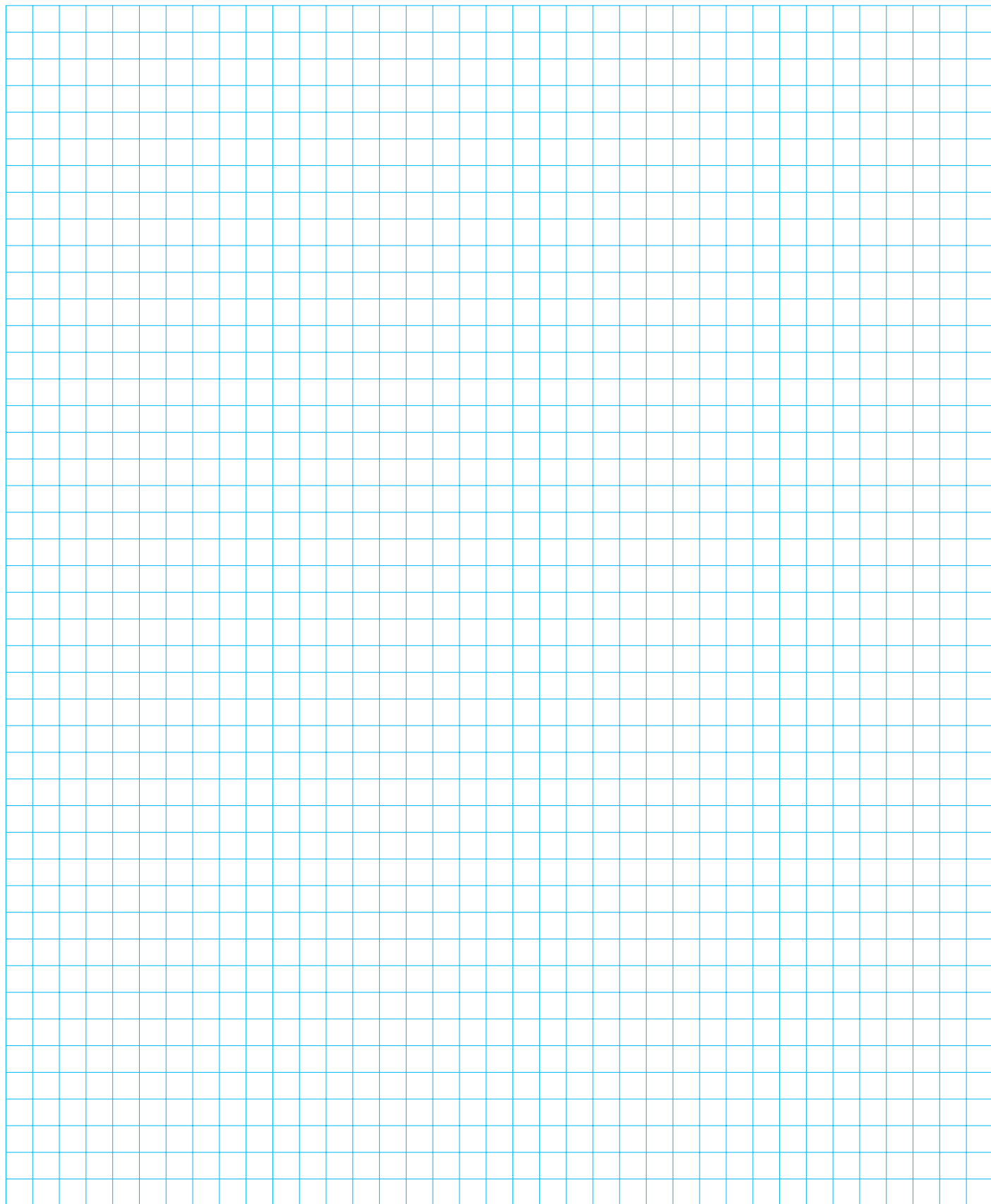
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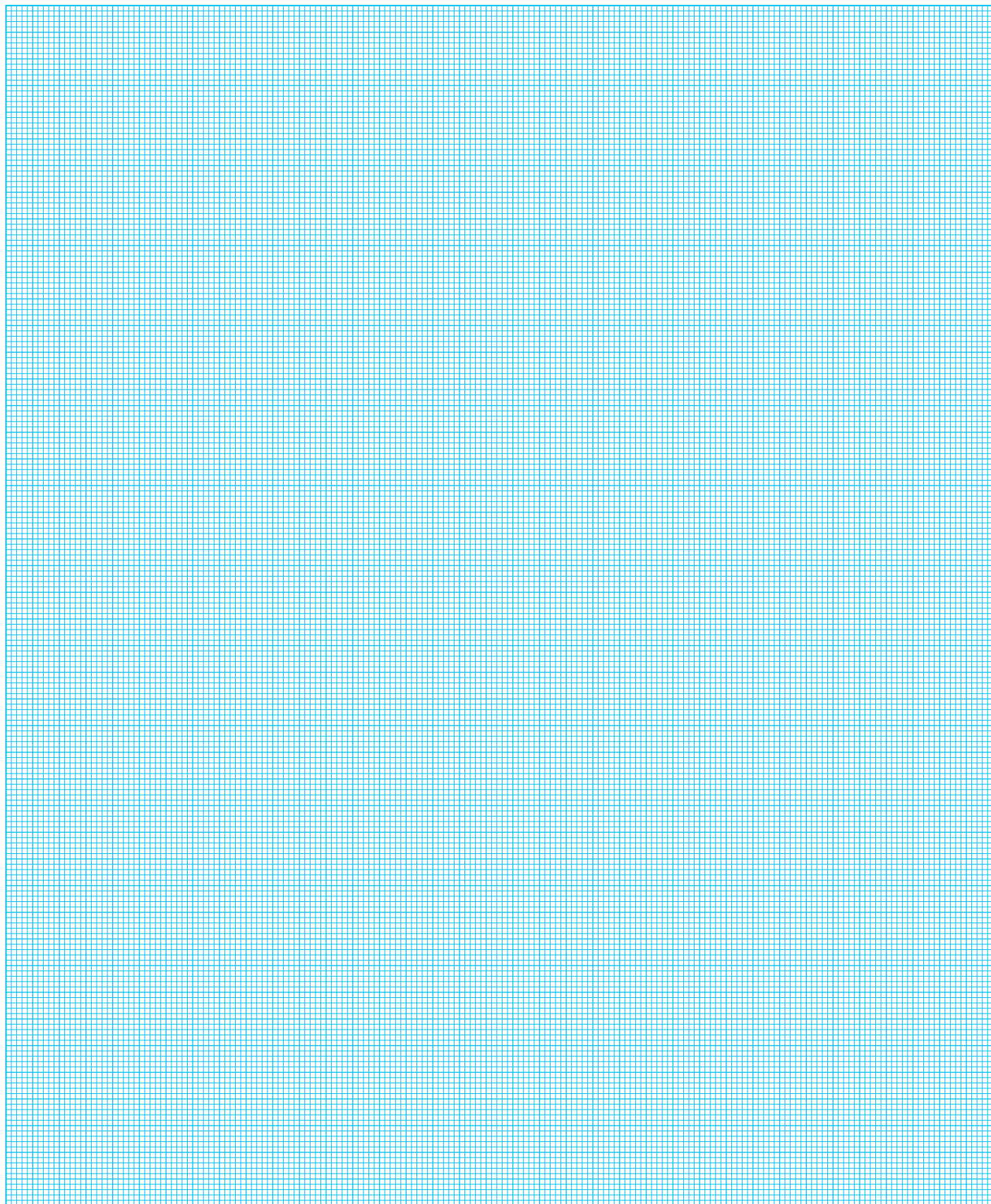
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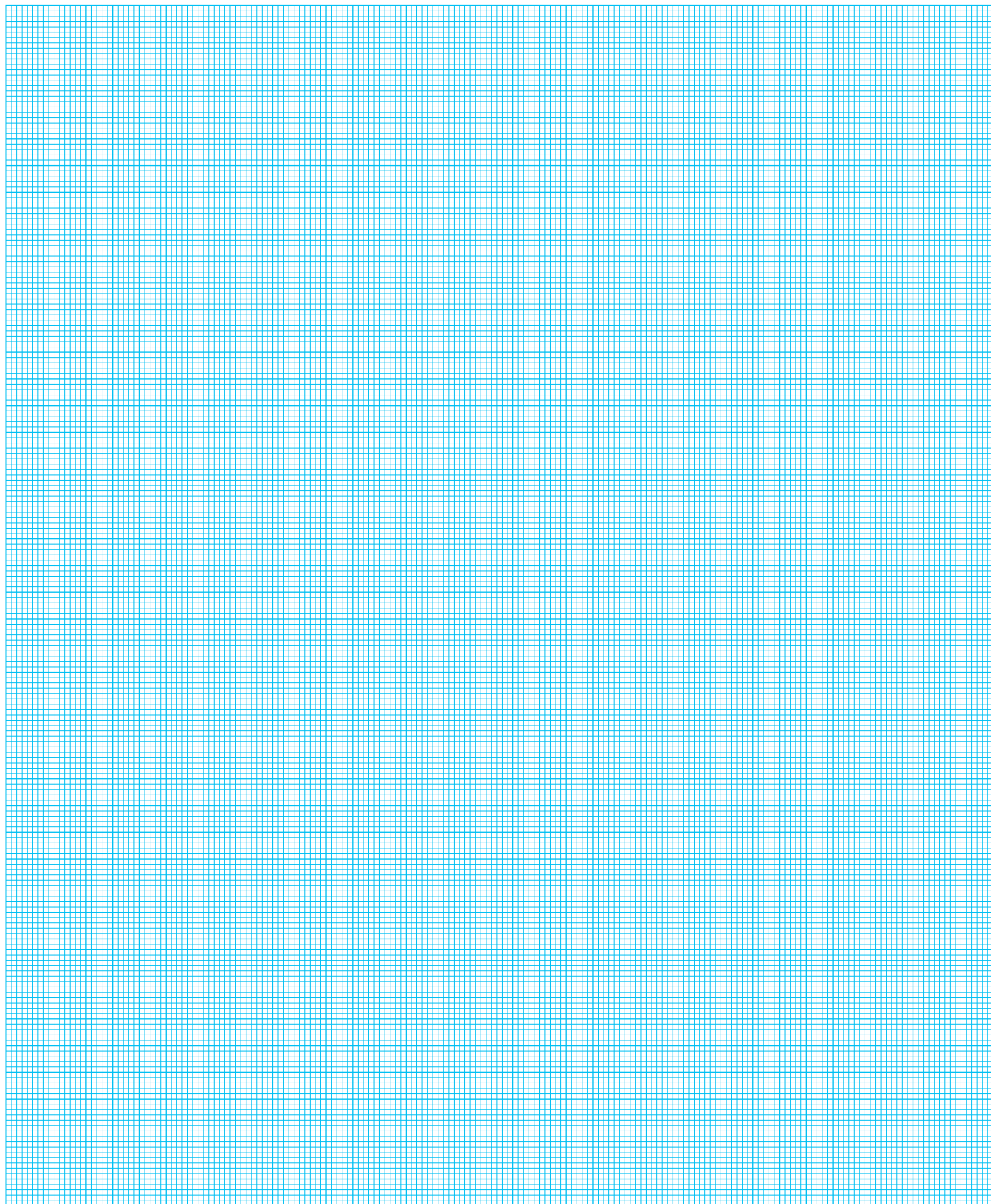
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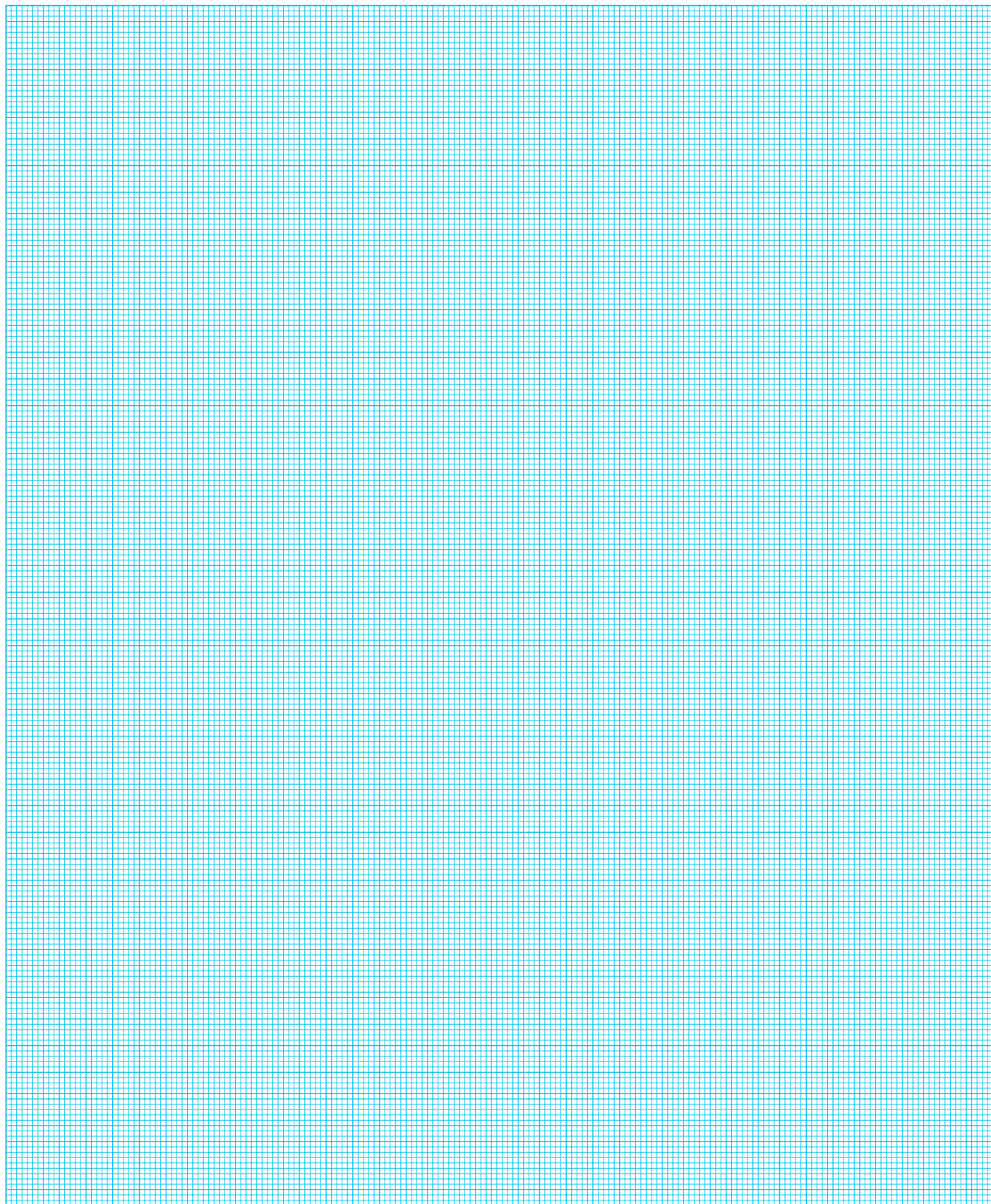
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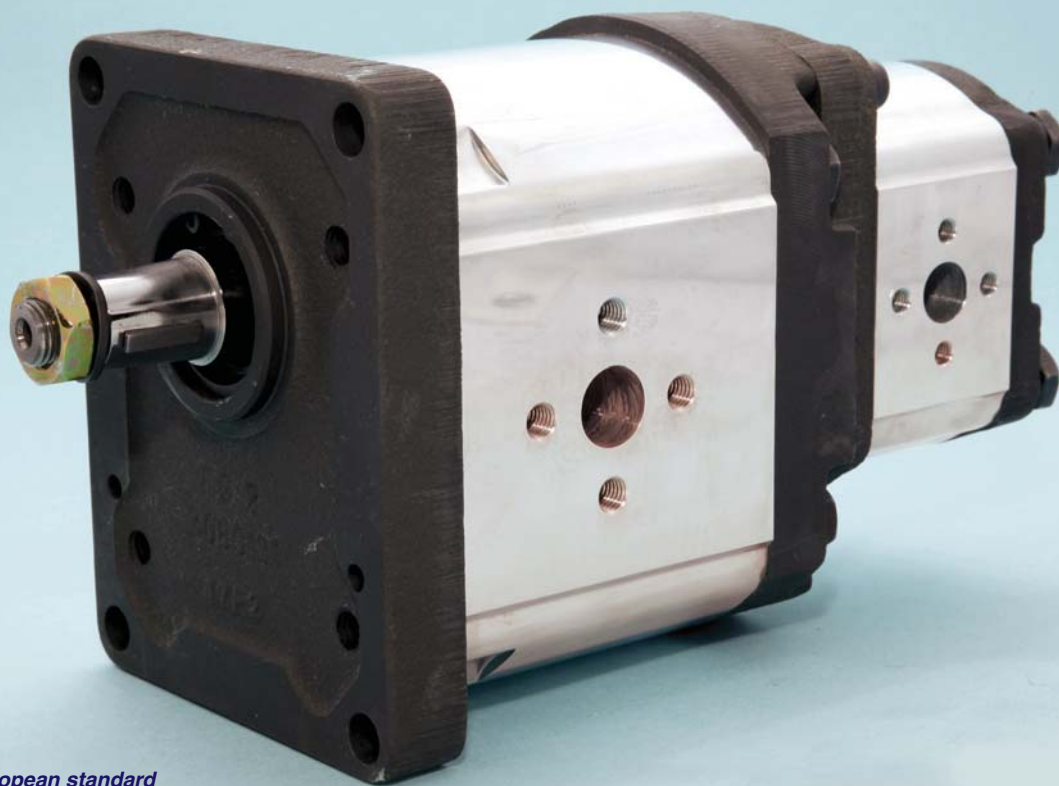
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SIZE 3+2 European standard



SIZE 2+2 With bearing support



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03