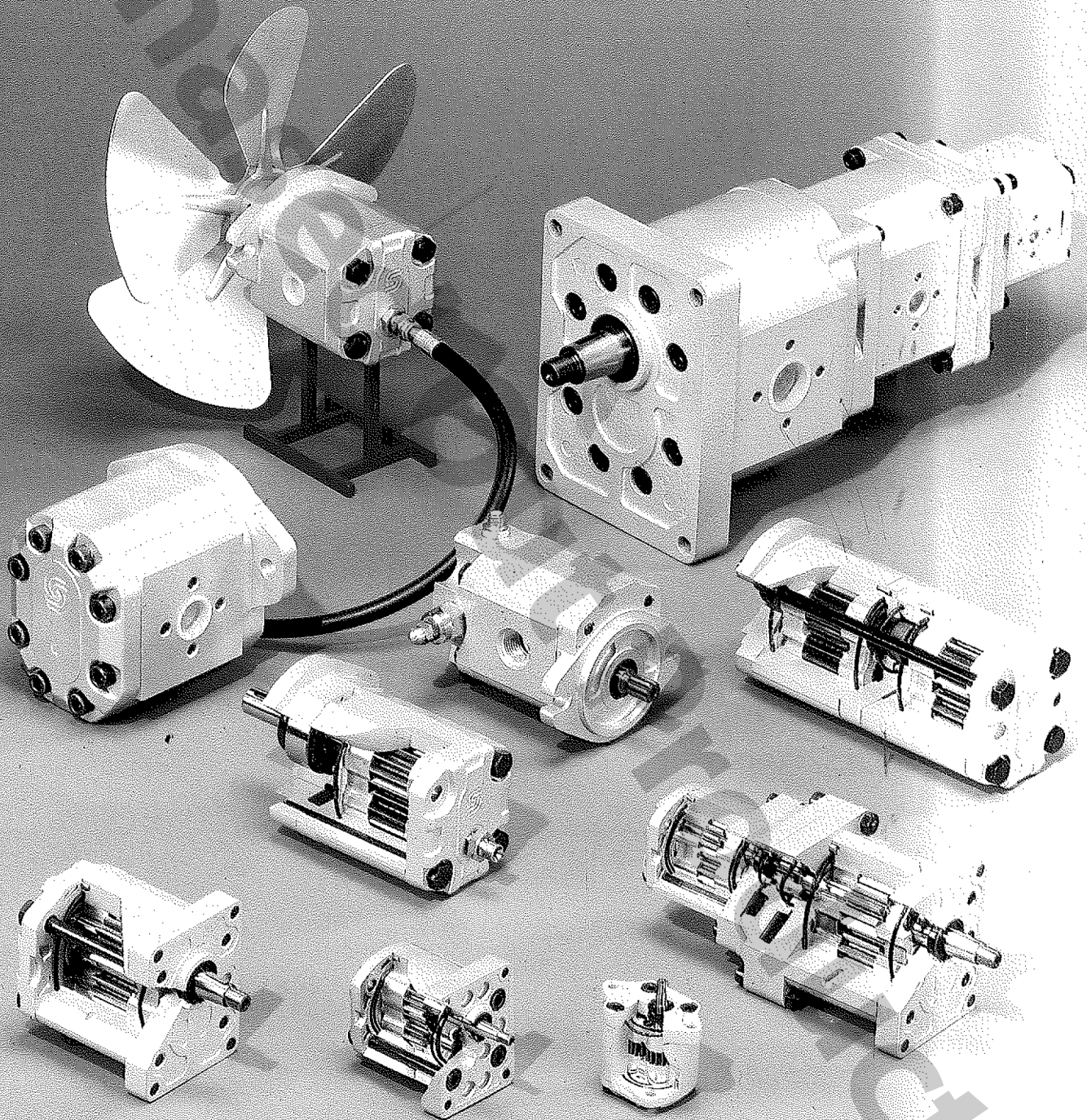


# SAUER DANFOSS



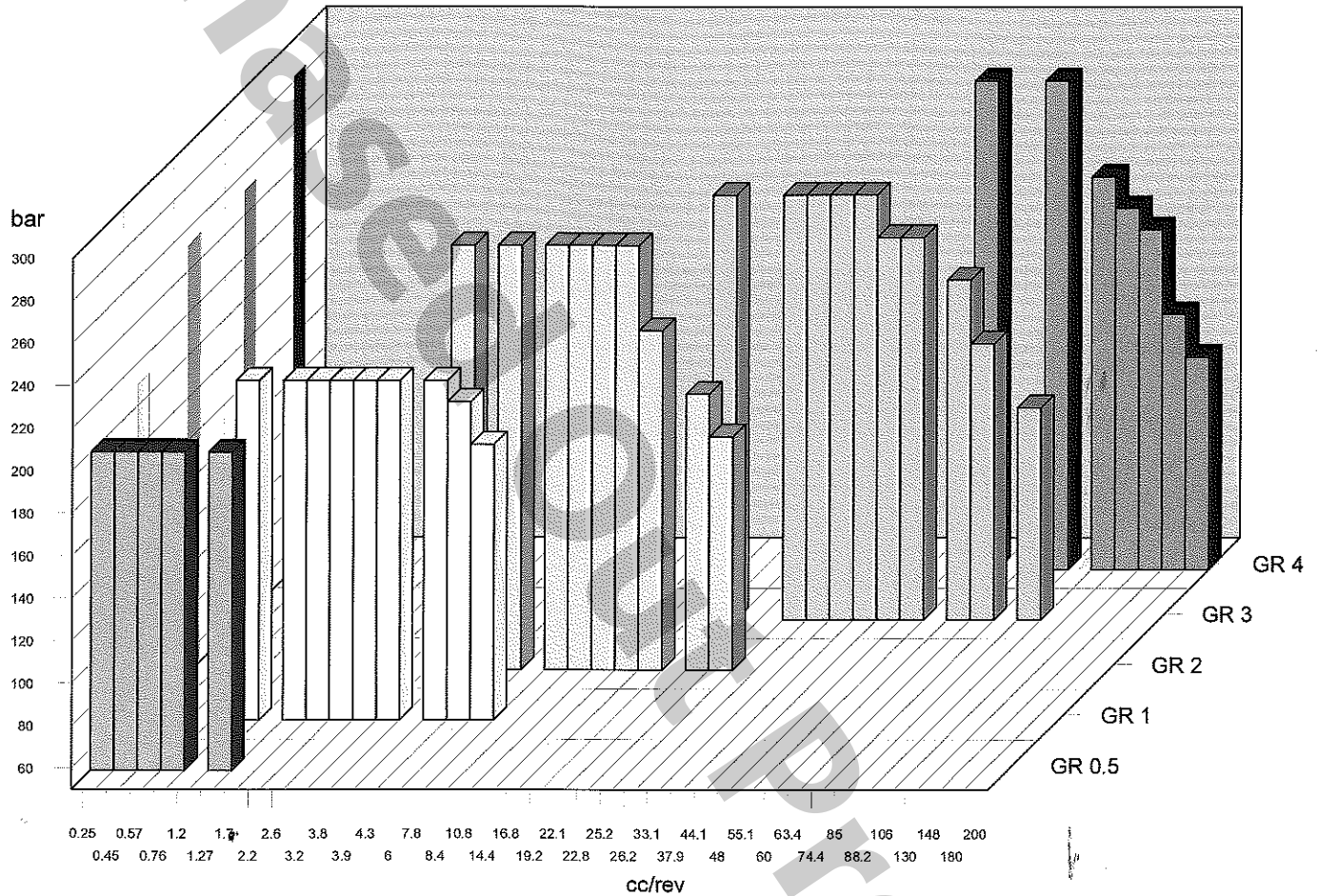
POMPE E MOTORI AD INGRANAG  
GEAR PUMPS AND MOTORS

SOMMARIO - SUMMARY

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**DIAGRAMMI PORTATA-PRESSIONE**

**DISPLACEMENT-PRESSURE CHART**



**NOTE GENERALI**

Per maggiori informazioni e dettagli riguardanti l'impiego e la configurazione delle pompe e dei motori ad ingranaggi, si prega di richiedere l'apposita documentazione tecnica alla SAUER-SUNDSTRAND S.p.A.

Nel presente opuscolo sono esposte in forma riassuntiva le configurazioni standard attualmente più in uso. Per configurazioni speciali, si prega di contattare la SAUER-SUNDSTRAND S.p.A.

Le informazioni contenute in questa pubblicazione sono da considerarsi soltanto indicative e (se non altrimenti specificato) non possono formare parte di ordini e contratti, o essere intese come una esatta rappresentazione dei prodotti e delle loro prestazioni. Ci riserviamo il diritto di alterare senza preavviso la specifica, il progetto, il prezzo e le condizioni di fornitura di qualunque nostro prodotto o servizio.

**GENERAL NOTES**

For more details and information regarding the application and configuration of gear pumps and motors, please ask detailed technical documents to SAUER-SUNDSTRAND S.p.A.

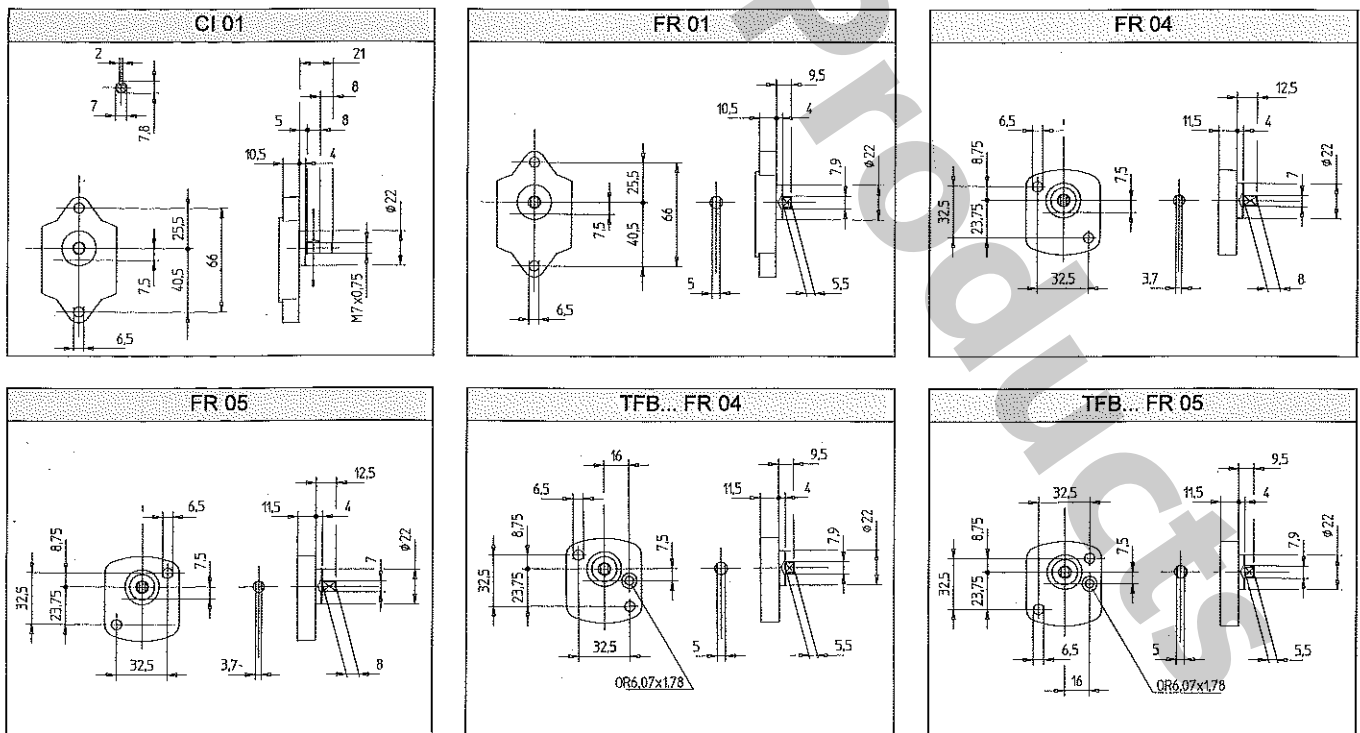
This leaflet is a summary of the main standard configuration. For special versions, please apply to SAUER-SUNDSTRAND S.p.A.

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**GRUPPO 0.5 - GROUP 0.5**

Prodotto <i>Product</i>	Tipo <i>Type</i>	Portata (cc/giro) <i>Displacement (cc/rev)</i>	Pressione Max (bar) <i>Max Pressure (bar)</i>		Velocità Max (giri/min) <i>Max Speed (rev/min)</i>	Combinazioni albero / flangia disponibili <i>Shaft / front flange available combinations</i>
			Continua <i>Continuous</i>	Picco <i>Peak</i>		
<b>TFP 50</b> Pompa standard <i>Standard gear pump</i>	TFP 50/0,25	0.23	180	200	8000	CI 01 FR 01 FR 04 FR 05
	TFP 50/0,45	0.43	180	200	8000	
	TFP 50/0,57	0.55	180	200	8000	
	TFP 50/0,76	0.73	180	200	7000	
	TFP 50/1,27	1.22	180	200	5000	
<b>TFR 50</b> Pompa reversibile <i>Reversible gear pump</i>	TFR 50/0,25	0.23	150	170	8000	CI 01 FR 01
	TFR 50/0,45	0.43	150	170	8000	
	TFR 50/0,57	0.55	150	170	8000	
	TFR 50/0,76	0.73	150	170	7000	
	TFR 50/1,27	1.22	140	160	5000	
<b>TFB 50</b> Pompa con aspirazione sul coperchio, mandata sulla flangia <i>Cover inlet - front flange outlet gear pump</i>	TFB 50/0,25	0.23	180	200	5000	FR 04 FR 05
	TFB 50/0,45	0.43	180	200	5000	
	TFB 50/0,57	0.55	180	200	5000	
	TFB 50/0,76	0.73	180	200	4000	
	TFB 50/1,27	1.22	180	200	2500	

**COMBINAZIONI ALBERO / FLANGIA GRUPPO 0.5  
GROUP 0.5 SHAFT / FRONT FLANGE COMBINATIONS**



**GRUPPO 1 - GROUP 1**

Prodotto <i>Product</i>	Tipo <i>Type</i>	Portata (cc/giro) <i>Displacement (cc/rev)</i>	Pressione Max (bar) <i>Max Pressure (bar)</i>		Velocità Max (giri/min) <i>Max Speed (rev/min)</i>	Combinazioni albero / flangia disponibili <i>Shaft / front flange available combinations</i>
			Continua <i>Continuous</i>	Picco <i>Peak</i>		
<b>TFP 100</b> Pompa standard <i>Standard gear pump</i>	TFP 100/1,2	1.2	210	230	5000	CO 01 SC 01 CI 02 FR 03 CI 06 SC 06
	TFP 100/1,7	1.6	210	230	5000	
	TFP 100/2,2	2.1	210	230	5000	
	TFP 100/2,6	2.6	210	230	5000	
	TFP 100/3,2	3.1	210	230	5000	
	TFP 100/3,8	3.7	210	230	5000	
	TFP 100/4,3	4.2	210	230	3000	
	TFP 100/6	5.9	160	180	3000	
TFP 100/7,8	7.6	140	160	3000		
<b>TFA 100</b> Pompa con aspirazione sul corpo e mandata sulla flangia <i>Body inlet - front flange outlet gear pump</i>	TFA 100/1,2	1.2	200	220	3000	FR 08
	TFA 100/1,7	1.6	200	220	3000	
	TFA 100/2,2	2.1	200	220	3000	
	TFA 100/2,6	2.6	200	220	3000	
	TFA 100/3,2	3.1	200	220	3000	
	TFA 100/3,8	3.7	200	220	3000	
	TFA 100/4,3	4.2	200	220	2500	
	TFA 100/6	5.9	160	180	2000	
TFA 100/7,8	7.6	140	150	1500		
<b>TFB 100</b> Pompa con aspirazione sul coperchio e mandata sulla flangia <i>Cover inlet - front flange outlet gear pump</i>	TFB 100/1,2	1.2	200	220	3000	FR 08
	TFB 100/1,7	1.6	200	220	3000	
	TFB 100/2,2	2.1	200	220	3000	
	TFB 100/2,6	2.6	200	220	3000	
	TFB 100/3,2	3.1	200	220	3000	
	TFB 100/3,8	3.7	200	220	3000	
	TFB 100/4,3	4.2	200	220	2500	
	TFB 100/6	5.9	160	180	2000	
TFB 100/7,8	7.6	140	150	1500		
<b>TFC 100</b> Pompa con aspirazione e mandata sul coperchio <i>Rear ports gear pump</i>	TFC 100/1,2	1.2	200	220	3000	CO 01
	TFC 100/1,7	1.6	200	220	3000	
	TFC 100/2,2	2.1	200	220	3000	
	TFC 100/2,6	2.6	200	220	3000	
	TFC 100/3,2	3.1	200	220	3000	
	TFC 100/3,8	3.7	200	220	3000	
	TFC 100/4,3	4.2	200	220	2500	
	TFC 100/6	5.9	160	180	2000	
TFC 100/7,8	7.6	140	160	1500		



**GRUPPO 2 - GROUP 2**

Prodotto <i>Product</i>	Tipo <i>Type</i>	Portata (cc/giro) <i>Displacement (cc/rev)</i>	Pressione Max (bar) <i>Max Pressure (bar)</i>		Velocità Max (giri/min) <i>Max Speed (rev/min)</i>	Combinazioni albero / flangia disponibili <i>Shaft / front flange available combinations</i>
			Continua <i>Continuous</i>	Picco <i>Peak</i>		
<b>SNP 2</b> Pompa con bussole "DU" <i>Gear pump with "DU" bushes</i>	SNP 2/4	3.9	250	280	4000	CI 01 CO 01 SC 01 CO 02 SC 02 FR 03 CO 04 SC 04 CO 05 SC 05 CI 06 SC 06 CO 09 CO 09 ... BBM
	SNP 2/6	6.0	250	280	4000	
	SNP 2/8	8.4	250	280	4000	
	SNP 2/11	10.8	250	280	4000	
	SNP 2/14	14.4	250	280	3500	
	SNP 2/17	16.8	250	280	3000	
	SNP 2/19	19.2	210	230	3000	
	SNP 2/22	22.8	180	200	3000	
SNP 2/25	25.2	160	175	3000		
<b>SEP 2</b> Pompa senza bussole "DU" <i>Gear pump without "DU" bushes</i>	SEP 2/4	3.9	225	250	4000	CI 01 CO 01 SC 01 FR 03
	SEP 2/6	6.0	225	250	4000	
	SEP 2/8	8.4	225	250	3500	
	SEP 2/11	10.8	225	250	3500	
	SEP 2/14	14.4	180	200	3000	
	SEP 2/17	16.8	180	200	3000	
<b>SHP 2</b> Pompa per alte pressioni <i>High pressure gear pump</i>	SHP 2/19	19.2	240	260	3000	CO 01 CO 02
	SHP 2/22	22.8	210	230	3000	
	SHP 2/25	25.2	190	200	3000	
<b>SEM 2</b> Motore bidirezionale per pressioni normali <i>Birectional gear motor for normal pressures</i>	SEM 2/6	6.0	210	230	4000	CI 01 CO 01
	SEM 2/8	8.4	210	230	4000	
	SEM 2/11	10.8	210	230	4000	
	SEM 2/14	14.4	210	230	4000	
	SEM 2/17	16.8	210	230	4000	
	SEM 2/19	19.2	210	230	3500	
	SEM 2/22	22.8	180	200	3500	
	SEM 2/25	25.2	160	180	3500	
<b>SNM 2</b> Motore bidirezionale per alte pressioni <i>Birectional gear motor for high pressures</i>	* SNM 2/6	6.0	250	280	4000	CI 01 CO 01 CO 02 FR 03 CI 06 SC 06
	SNM 2/8	8.4	250	280	4000	
	SNM 2/11	10.8	250	280	4000	
	SNM 2/14	14.4	250	280	4000	
	SNM 2/17	16.8	230	260	4000	
	SNM 2/19	19.2	210	230	3500	
	SNM 2/22	22.8	180	200	3500	
	SNM 2/25	25.2	160	180	3500	

\* Prima di decidere l' impiego di questa cilindrata, preghiamo contattare il nostro Ufficio Tecnico.  
*Before choosing this capacity please apply to our technical department.*

Prodotto <i>Product</i>	Tipo <i>Type</i>	Portata (cc/giro) <i>Displacement (cc/rev)</i>	Pressione Max (bar) <i>Max Pressure (bar)</i>		Velocità Max (giri/min) <i>Max Speed (rev/min)</i>	Combinazioni albero / flangia disponibili <i>Shaft / front flange available combinations</i>
			Continua <i>Continuous</i>	Picco <i>Peak</i>		
<b>SNU 2</b> Motore unirezionale, ricavato da pompa SNP2 <i>Unirectional gear motor, made out of SNP2 pump</i>	SNU 2/8	8.4	250	280	3500	CI 01 CO 01 SC 01 CO 02 SC 02 FR 03 CO 04 SC 04 CO 05 SC 05 CI 06 SC 06
	SNU 2/11	10.8	250	280	3500	
	SNU 2/14	14.4	250	280	3500	
	SNU 2/17	16.8	230	260	3000	
	SNU 2/19	19.2	210	230	3000	
	SNU 2/22	22.8	180	200	3000	
SNU 2/25	25.2	160	180	2500		

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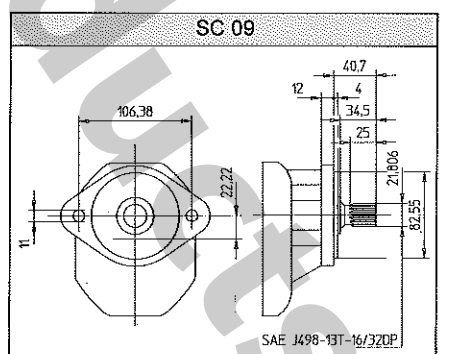
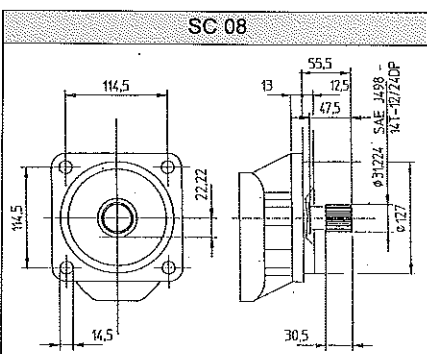
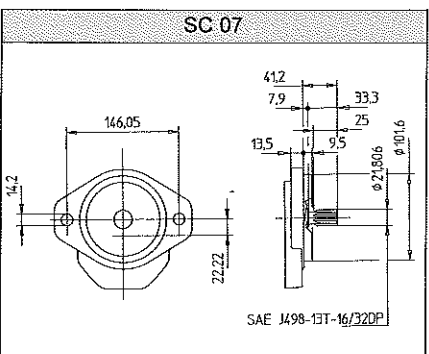
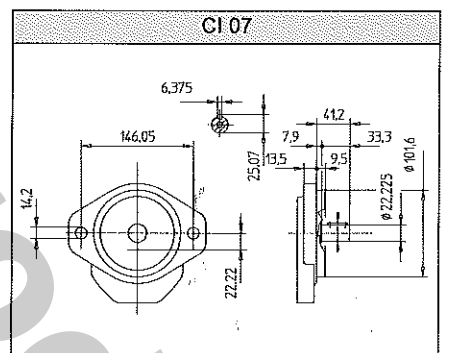
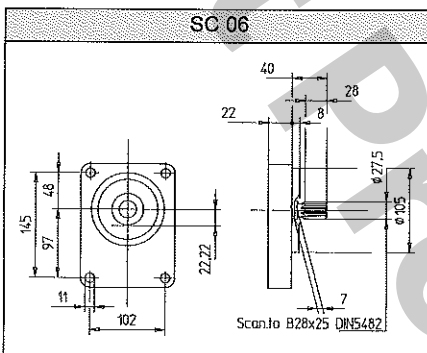
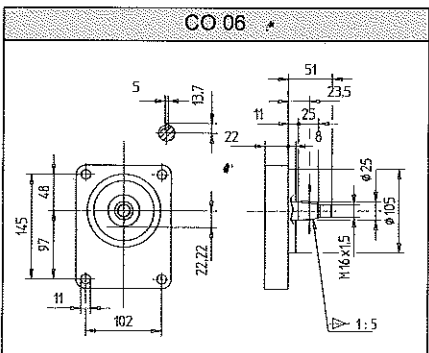
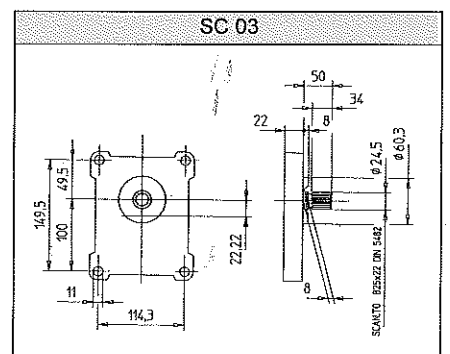
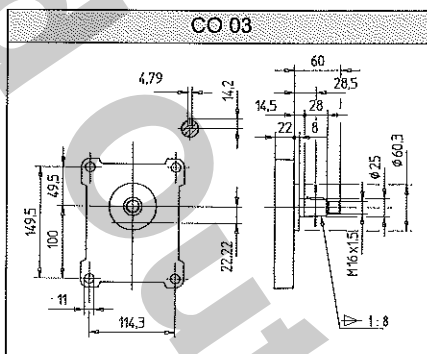
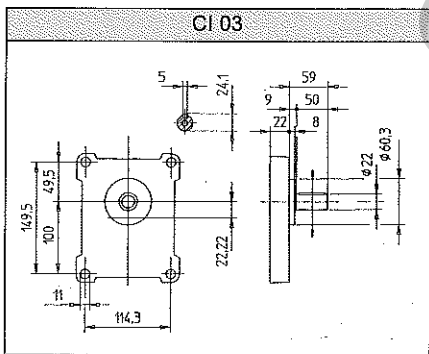
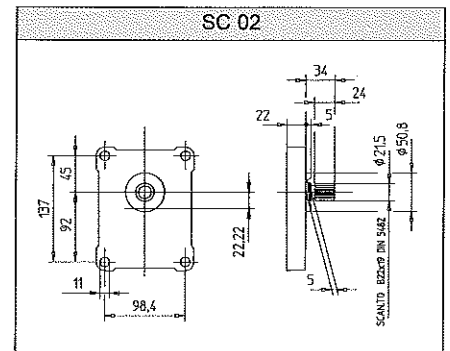
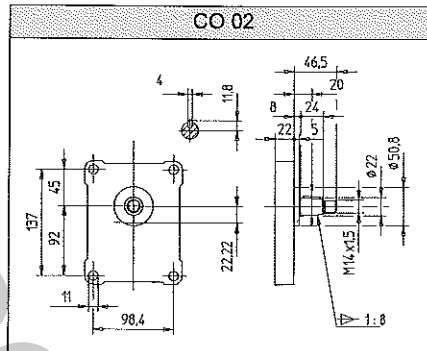
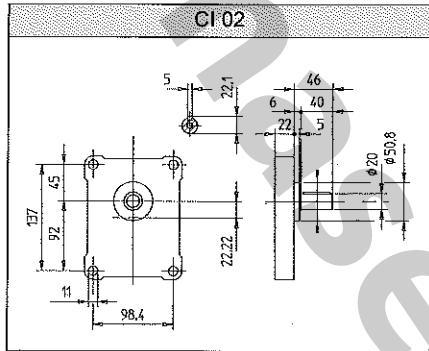
- SNI 2 /...** Pompa con valvola di massima a drenaggio interno  
*Internal drain relief valve gear pump*
- SNE 2 /...** Pompa con valvola di massima a drenaggio esterno  
*External drain relief valve gear pump*
- SEM 2 D. /** Motore bidirezionale con drenaggio interno (solo CO 01)  
*Internal drain bidirectional motor (CO 01 only)*
- SNM 2.L /** Motore bidirezionale con drenaggio laterale sul coperchio  
*Bidirectional gear motor with cover side drain*
- SNM 2 F. /** Motore bidirezionale con by-pass e smorzatore  
*Bidirectional gear motor with backlap valve*
- SNM 2 /...2** Motore bidirezionale con albero di uscita maggiorato ( $\phi = 20$  mm) per alte sollecitazioni meccaniche  
*Bidirectional gear motor with big output shaft ( $\phi = 20$  mm) for high mechanical torque*

Prodotto <i>Product</i>	Tipo <i>Type</i>	Portata (cc/giro) <i>Displ. (cc/rev)</i>	Pressione Max (bar) <i>Max Pressure (bar)</i>		Velocità Max (giri/min) <i>Max Speed (rev/min)</i>	Livello Rumore (db(A))* <i>Noise Level (db(A))</i>	Combinazioni albero / flangia disponibili <i>Shaft / front flange available combinations</i>
			Continua <i>Continuous</i>	Picco <i>Peak</i>			
<b>TSP 4-26</b> Pompa a basso livello di rumore <i>Low noise gear pump</i>	TSP 4-26/4	3.9	210	220	4000	55	CO 01 SC 51 CO 02 FR 03 CI 06 SC 06
	TSP 4-26/6,2	5.6	210	220	4000	55	
	TSP 4-26/8,4	7.8	210	220	4000	56	
	TSP 4-26/11	10.1	210	220	3500	57	
	TSP 4-26/14,3	13.5	210	220	3500	59	
	TSP 4-26/16,5	15.7	190	200	3500	59	

\* Livello di rumorosità a 1 m dalla pompa, 1500 giri/min, pressione massima  
*Noise level at 1 m from the pump, 1500 rev/min, maximum pressure*



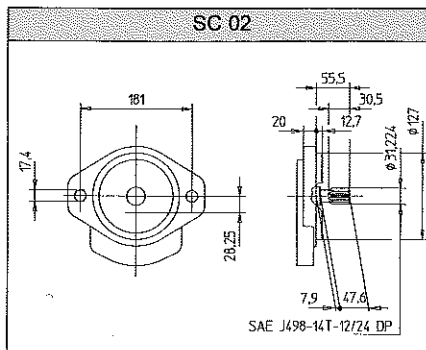
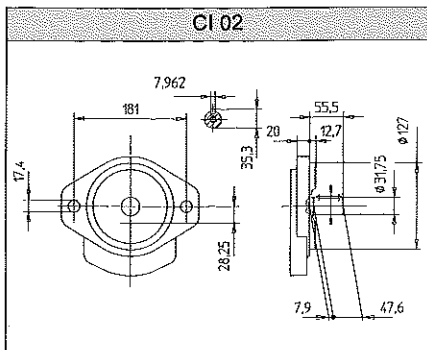
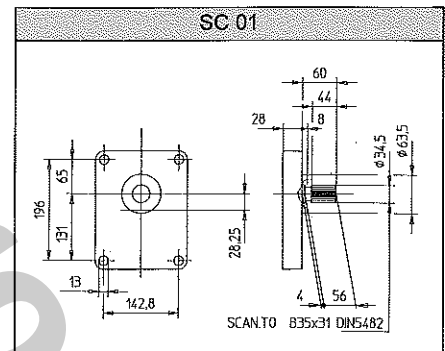
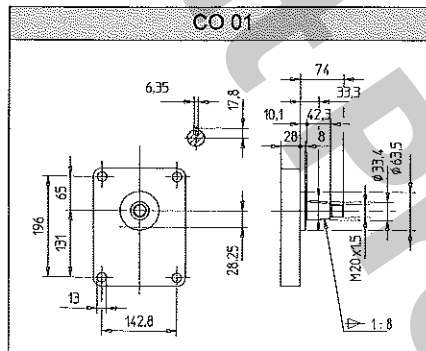
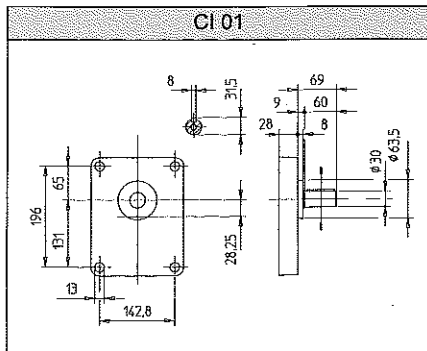




**GRUPPO 4 - GROUP 4**

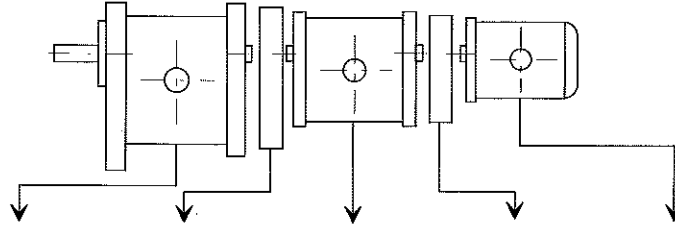
Prodotto <i>Product</i>	Tipo <i>Type</i>	Portata (cc/giro) <i>Displacement (cc/rev)</i>	Pressione Max (bar) <i>Max Pressure (bar)</i>		Velocità Max (giri/min) <i>Max Speed (rev/min)</i>	Combinazioni albero / flangia disponibili <i>Shaft / front flange available combinations</i>
			Continua <i>Continuous</i>	Picco <i>Peak</i>		
<b>TAP 60-200</b> Pompa standard <i>Standard gear pump</i>	TAP 60-200/60	60	250	270	3000	CI 01    CO 01    SC 01 CI 02    SC 02
	TAP 60-200/85	85	250	270	3000	
	TAP 60-200/106	106	235	250	2500	
	TAP 60-200/130	130	220	230	2500	
	TAP 60-200/148	148	210	220	2400	
	TAP 60-200/180	180	170	180	2400	
	TAP 60-200/200	200	150	160	2400	

**COMBINAZIONI ALBERO / FLANGIA GRUPPO 4  
GROUP 4 SHAFT / FRONT FLANGE COMBINATIONS**



**POMPE MULTIPLE - MULTI-STAGE PUMPS**

CODICI COMMERCIALI PER COMPOSIZIONE POMPE MULTIPLE  
MARKET CODES FOR COMPOSITION OF MULTI-STAGE PUMPS



Codice Commerciale Ridotto <i>Compressed Code</i>	Pompa Primaria <i>First Stage</i>	Kit	Pompa Intermedia <i>Middle Stage</i>	Kit	Pompa Finale <i>Rear Stage</i>
PBB ..... CO 31	TFP 100 ..... CO 31	P	-	-	TFP 100 ..... SC 01
PBBB ..... CO 31	TFP 100 ..... CO 31	P	TFP 100 ..... SC 31	P	TFP 100 ..... SC 01
PNB ..... CO 31	SNP 2 ..... CO 31	CC	-	-	TFP 100 ..... SC 01
PNBB ..... CO 31	SNP 2 ..... CO 31	CC	TFP 100 ..... SC 31	P	TFP 100 ..... SC 01
PNN ..... CO 41	SNP 2 ..... CO 41	-	-	-	SNP 2 ..... FR 03
PNNB ..... CO 41	SNP 2 ..... CO 41	-	SNP 2 ..... FR 73 .. 1	CC	TFP 100 ..... SC 01
PNNN ..... CO 41	SNP 2 ..... CO 41	-	SNP 2 ..... FR 73	-	SNP 2 ..... FR 03
PRB ..... CO 31	SNP 3 ..... CO 41	Q	-	-	TFP 100 ..... SC 01
PRBB ..... CO 31	SNP 3 ..... CO 41	Q	TFP 100 ..... SC 31	P	TFP 100 ..... SC 01
PRN ..... CO 31	SNP 3 ..... CO 41	H	-	-	SNP 2 ..... SC 01
PRNB ..... CO 31	SNP 3 ..... CO 41	H	SNP 2 ..... SC 31	CC	TFP 100 ..... SC 01
PRNN ..... CO 31	SNP 3 ..... CO 41	H	SNP 2 ..... SC 41	-	SNP 2 ..... FR 03
PRR ..... CO 41	SNP 3 ..... CO 41	G	-	-	SNP 3 ..... SC 11
PRRB ..... CO 41	SNP 3 ..... CO 41	G	SNP 3 ..... SC 71	Q	TFP 100 ..... SC 01
PRRN ..... CO 41	SNP 3 ..... CO 41	G	SNP 3 ..... SC 71	H	SNP 2 ..... SC 01
PRRR ..... CO 41	SNP 3 ..... CO 41	G	SNP 3 ..... SC 71	G	SNP 3 ..... SC 11
PFB ..... CO 31	TAP 60-200 ... CO 31	Q	-	-	TFP 100 ..... SC 01
PFBFB ..... CO 31	TAP 60-200 ... CO 31	Q	TFP 100 ..... SC 31	P	TFP 100 ..... SC 01
PFN ..... CO 31	TAP 60-200 ... CO 31	S	-	-	SNP 2 ..... SC 01
PFNB ..... CO 31	TAP 60-200 ... CO 31	S	SNP 2 ..... SC 31	CC	TFP 100 ..... SC 01
PFNN ..... CO 31	TAP 60-200 ... CO 31	S	SNP 2 ..... SC 41	-	SNP 2 ..... FR 03
PFR ..... CO 31	TAP 60-200 ... CO 31	E	-	-	SNP 3 ..... SC 11
PFRB ..... CO 31	TAP 60-200 ... CO 31	E	SNP 3 ..... SC 71	Q	TFP 100 ..... SC 01
PFRN ..... CO 31	TAP 60-200 ... CO 31	E	SNP 3 ..... SC 71	H	SNP 2 ..... SC 01
PFRR ..... CO 31	TAP 60-200 ... CO 31	E	SNP 3 ..... SC 71	G	SNP 3 ..... SC 11
PFF ..... CO 41	TAP 60-200 ... CO 41	F	-	-	TAP 60-200 ... SC 11
PFFB ..... CO 41	TAP 60-200 ... CO 41	F	TAP 60-200 ... SC 71	Q	TFP 100 ..... SC 01
PFFN ..... CO 41	TAP 60-200 ... CO 41	F	TAP 60-200 ... SC 71	S	SNP 2 ..... SC 01
PFFR ..... CO 41	TAP 60-200 ... CO 41	F	TAP 60-200 ... SC 71	E	SNP 3 ..... SC 11
PFFF ..... CO 41	TAP 60-200 ... CO 41	F	TAP 60-200 ... SC 71 .. 1	F	TAP 60-200 ... SC 11

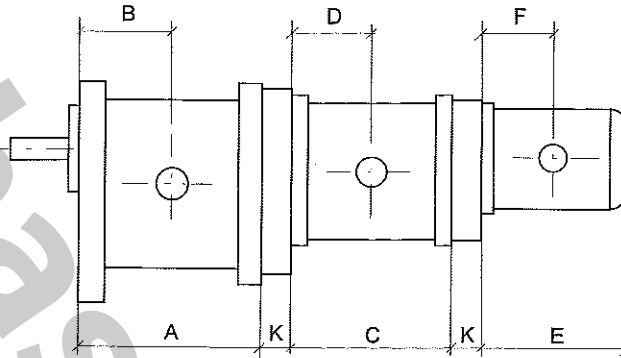
**NOTE:**

Per la composizione delle pompe doppie si considerino la pompa primaria e quella finale; per le triple i tre stadi indicati; per le quadruple la pompa primaria, due volte la pompa intermedia e la finale; così via per pompe multiple.  
In tabella è stata riportata la sola configurazione standard CO. . . 31 - CO. . . 41, corrispondente alla CO. . . 01 delle pompe singole; per le altre configurazioni della parte frontale si rimanda alle pagine precedenti (pompe singole).

**NOTES:**

To assembly tandem pumps consider first and rear stage; for triple pumps consider all stages; for multi-stage pumps consider first stage, middle stages and rear stage.  
Above table shows the CO. . . 31 - CO. . . 41 standard configuration only, corresponding to CO. . . 01 of single pump; for different configurations of shaft and front flange see the pages regarding single pumps.

POMPE MULTIPLE CON FLANGIA ANTERIORE STANDARD EUROPEA (01): Dimensioni Caratteristiche  
MULTI-STAGE PUMPS WITH EUROPEAN STANDARD FRONT FLANGE (01): Typical Dimensions



K = Kit di accoppiamento  
Coupling Kit

Prodotto Product	Tipo Type	A mm	B mm	C mm	D mm	E mm	F mm
<b>GR. 1</b>  <b>TFP 100</b>	TFP 100/1,2	75.5	37.8	75.5	37.8	77.0	37.8
	TFP 100/1,7	77.0	38.5	77.0	38.5	78.5	38.5
	TFP 100/2,2	79.0	39.5	79.0	39.5	80.5	39.5
	TFP 100/2,6	81.0	40.5	81.0	40.5	82.5	40.5
	TFP 100/3,2	83.0	41.5	83.0	41.5	84.5	41.5
	TFP 100/3,8	85.0	42.5	85.0	42.5	86.5	42.5
	TFP 100/4,3	87.0	43.5	87.0	43.5	88.5	43.5
	TFP 100/6	93.5	46.8	93.5	46.8	95.0	46.8
	TFP 100/7,8	100.0	50.0	100.0	50.0	101.5	50.0
<b>GR. 2</b>  <b>SNP 2</b>	SNP 2/4	87.5	43.3	87.5	43.3	93.0	43.3
	SNP 2/6	91.0	45.0	91.0	45.0	96.5	45.0
	SNP 2/8	95.0	45.0	95.0	45.0	100.5	45.0
	SNP 2/11	99.0	49.0	99.0	49.0	104.5	49.0
	SNP 2/14	105.0	52.0	105.0	52.0	110.5	52.0
	SNP 2/17	109.0	52.0	109.0	52.0	114.5	52.0
	SNP 2/19	113.0	56.0	113.0	56.0	118.5	56.0
	SNP 2/22	119.0	59.0	119.0	59.0	124.5	59.0
	SNP 2/25	123.0	59.0	123.0	59.0	128.5	59.0
<b>GR. 3</b>  <b>SNP 3</b>	SNP 3/22	126.0	63.0	126.0	63.0	132.5	63.0
	SNP 3/26	129.0	64.5	129.0	64.5	135.5	64.5
	SNP 3/33	134.0	67.0	134.0	67.0	140.5	67.0
	SNP 3/38	137.5	68.8	137.5	68.8	144.0	68.8
	SNP 3/44	142.0	71.0	142.0	71.0	148.5	71.0
	SNP 3/48	145.0	72.5	145.0	72.5	151.5	72.5
	SNP 3/55	150.0	75.0	150.0	75.0	156.5	75.0
	SNP 3/63	156.0	78.0	156.0	78.0	162.5	78.0
	SNP 3/75	164.0	82.0	164.0	82.0	170.5	82.0
	SNP 3/90	174.0	87.0	174.0	87.0	180.5	87.0
<b>GR. 4</b>  <b>TAP 60-200</b>	TAP 60-200/60	176.0	88.0	176.0	88.0	174.5	88.0
	TAP 60-200/85	186.0	93.0	186.0	93.0	184.5	93.0
	TAP 60-200/106	194.0	97.0	194.0	97.0	192.5	97.0
	TAP 60-200/130	203.0	101.5	203.0	101.5	201.5	101.5
	TAP 60-200/148	210.0	105.0	210.0	105.0	208.5	105.0
	TAP 60-200/180	222.0	111.0	222.0	111.0	220.5	111.0
	TAP 60-200/200	230.0	115.0	230.0	115.0	228.5	115.0

Larghezza kit accopp. Coupling kit width	K mm
TFP 100 + TFP 100	22.5
SNP 2 + TFP 100	27.0
SNP 2 + SNP 2	-
SNP 3 + TFP 100	23.5
SNP 3 + SNP 2	25.0
SNP 3 + SNP 3	-
TAP 60-200 + TFP 100	23.5
TAP 60-200 + SNP 2	25.0
TAP 60-200 + SNP 3	-
TAP 60-200 + TAP 60-200	-

- ESEMPI DI CALCOLO DELLA LUNGHEZZA TOTALE

- EXAMPLES OF OVERALL LENGTH CALCULATION

▪ Pompa doppia - Tandem pump

SNP 3/44 + TFP 100/3,2

A = 142.0 mm  
K = 23.5 mm  
E = 84.5 mm

$L_{TOT} = 142 + 23.5 + 84.5 = 250$  mm

▪ Pompa a 4 stadi - 4 stage pump

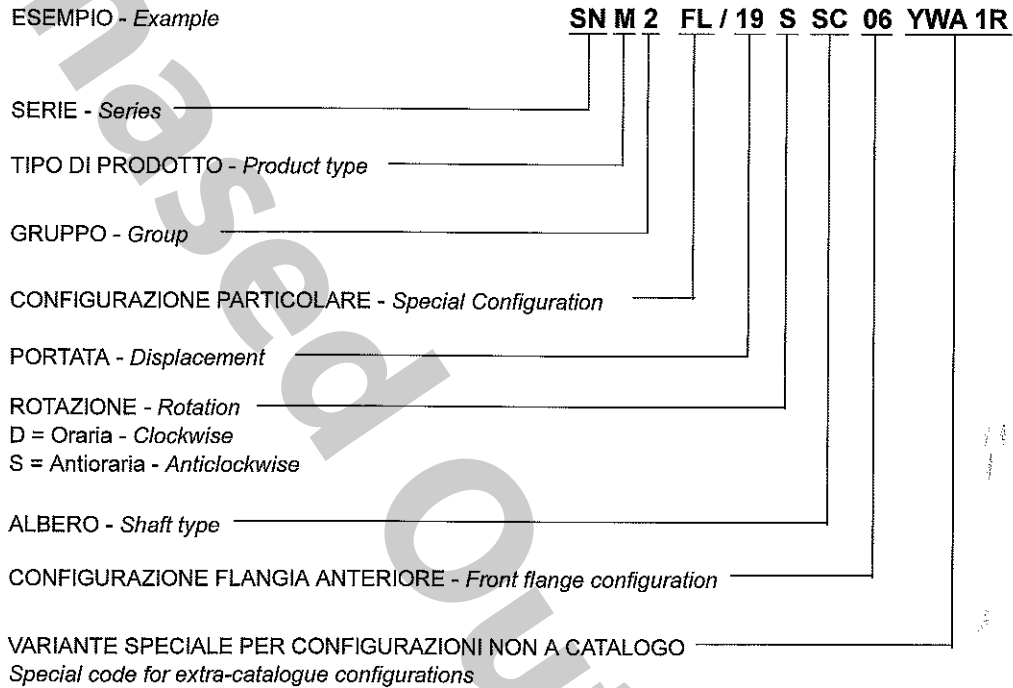
SNP 3/55 + SNP 2/17 + SNP 2/8 + TFP 100/2,2

A = 150.0 mm  
K = 25.0 mm (1° kit - 1<sup>st</sup> kit)  
C = 109.0 mm (2° stadio - 2<sup>nd</sup> stage)  
K = 0.0 mm (2° kit - 2<sup>nd</sup> kit)  
C = 95.0 mm (3° stadio - 3<sup>rd</sup> stage)  
K = 27.0 mm (3° kit - 3<sup>rd</sup> kit)  
E = 80.5 mm

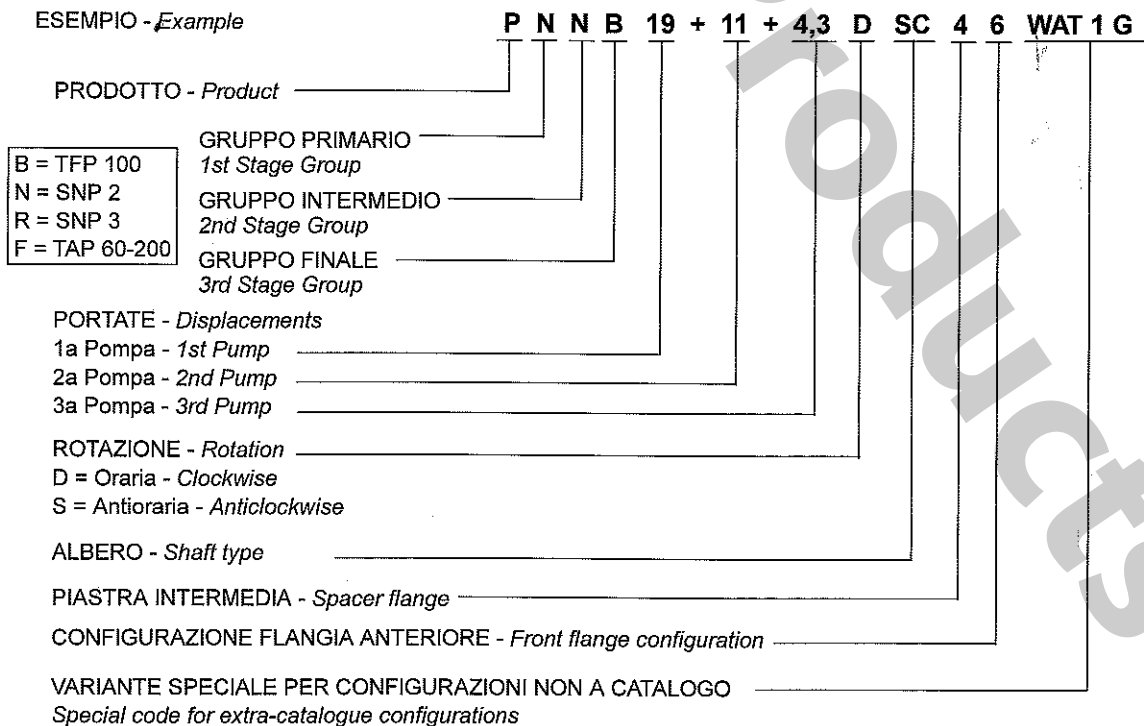
$L_{TOT} = 150.0 + 25.0 + 109.0 + 0.0 + 95.0 + 27.0 + 80.5 = 486.5$  mm

**CODICI COMMERCIALI - MARKET CODES**

**POMPE SINGOLE E MOTORI - SINGLE PUMPS AND MOTORS**



**POMPE MULTIPLE - MULTI-STAGE PUMPS**

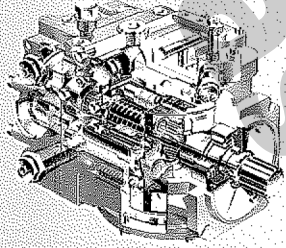
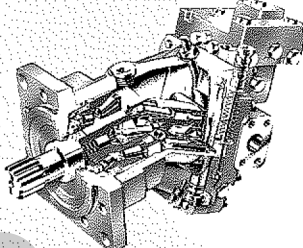
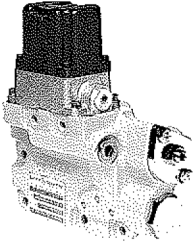
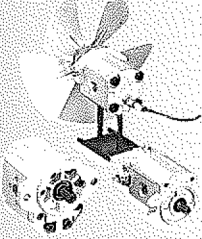
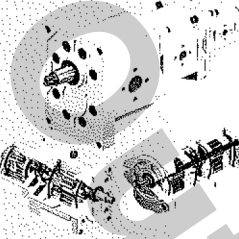
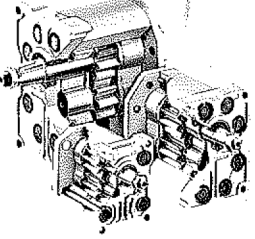
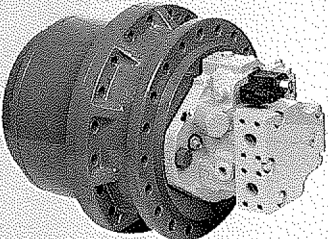
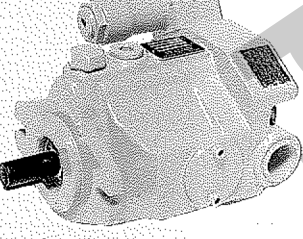
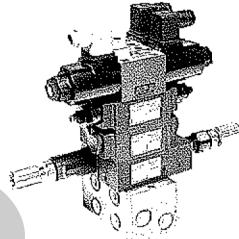


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protagonisti nel mercato

**SAUER-SUNDSTRAND**  
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 <p>Motori oleodinamici ad ingranaggi <i>Hydraulic gear motors</i></p>	 <p>Pompe multiple ad ingranaggi <i>Multistage gear pumps</i></p>	 <p>Pompe oleodinamiche ad ingranaggi <i>Hydraulic gear pumps</i></p>
 <p>Riduttore ruota con motore idraulico <i>Compact Track and Wheel Drives</i></p>	 <p>Pompa a pistoni assiali a circuito aperto, tipo J - V <i>Axial piston pump for open loop, type J - V</i></p>	 <p>Valvole multi - stack <i>Multi - stack valves</i></p>

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