Part number:

HYDROMA HYDRAULICKÉ SYSTÉMY | HIDROMA SISTEMS UKŁADY HYDRAULICZNE | HYDROMA ГИДРАВЛИЧЕСКИЕ СИСТЕМЫ

GHP2

COME ORDINARE / *HOW TO ORDER*

GHP2	Tipo *Type*	Rotazione *Rotation*	Taglia *Size*	Albero* *Shaft**	Porte* *Ports**	Guarnizioni* *Seals**	Opzioni* *Options**	Drenaggio* *Drain**
	omit	D DESTRA *CLOCKWISE*	6					
	A	S SINISTRA *COUNTER CLOCKWISE*	9					
	A3	R** REVERSIBILE *REVERSIBLE*	10					
	BK1		12					
	BK2		13					
	BK4		16					
	BK7		20					
			22					
			25					
			30					
			34					
			37					
			40					
			50					

Guarnizioni / *Seals*

omit (T range = -10°C + 80°C)
V
H
...

Opzioni / *Options*

TR
T
KA
OR***
...

Drenaggio / *Drain*

E0 = drenaggio interno/*internal drain*
E1 = drenaggio esterno/*external drain G1/4*
****E2 = drenaggio esterno/*external drain 9/16-18 UNF*
E3 = drenaggio esterno/*external drain G3/8* (solo per opzione VM/*only for VM options*)
****E4 = drenaggio esterno/*external drain 7/16-20 UNF* (solo per rotazione R e porte KA/*only for R rotation and KA ports*)

(*) = campi da specificare se diversi dallo standard "tipo pompa" / *to be specified if different from standard pump type*
(**) = La rotazione reversibile **R** è disponibile per tutte le taglie indicate (eccetto 6) / ***R** rotation is available for all listed displacements (except 6)*
(***) = solo per tipi pompa A e BK1 / *only for A and BK1 pump types*
(****) = Le porte di drenaggio sono lavorate secondo la specifica SAE J1926/1 (ISO 11926-1) relativa a porte filettate con tenuta O-ring / *Drain ports are machined in compliance with threaded port with O-ring seal in truncated housing SAE J1926/1 (ISO 11926-1)*

Tipi Pompa Standard / *Pump Standard Types*

omit = flangia europea + albero T0 + porte E + guarnizioni standard / *european flange + shaft T0 + ports E + standard seals*
A = flangia A + albero C1 + porte FA + guarnizioni standard / *flange A + shaft C1 + ports FA + standard seals*
A3 = flangia A3 + albero C3 + porte FA + guarnizioni standard / *flange A3 + shaft C3 + ports FA + standard seals*
BK1 = flangia BK1 + albero T1 + porte D + guarnizioni standard / *flange BK1 + shaft T1+ ports D + standard seals*
BK2 = flangia BK2 + albero T2 + porte D + guarnizioni standard / *flange BK2 + shaft T2 + ports D + standard seals*
BK4 = flangia BK4 + albero T2 + porte D + guarnizioni standard / *flange BK4 + shaft T2 + ports D + standard seals*
BK7 = flangia BK7 + albero G0 + porte D + guarnizioni standard / *flange BK7 + shaft G0 + ports D + standard seals*

Esempi / *Examples*:

GHP2-D-6 = pompa destra, 4.5 cc/rev, flangia europea, albero conico 1:8, porte flangiate tipo E, guarnizioni standard
clockwise rotation, 4.5 cc/rev, european flange,1:8 tapered shaft, flanged ports E type, standard seals

GHP2A-D-6-**KA** = pompa destra, 4.5 cc/rev, flangia SAE A 2 fori, albero cilindrico, guarnizioni standard, porte filettate UNF sul coperchio (**KA**)
*clockwise rotation, 4.5 cc/rev, SAE A 2 bolt flange, cilindrical shaft, standard seals, UNF threaded rear ports (**KA**)*

GHP2BK2-D-6-**E** = pompa destra, 4.5 cc/rev, flangia tedesca quadrata, albero conico 1:5, porte flangiate (**E**), guarnizioni standard
*clockwise rotation, 4.5 cc/rev, german square flange, 1:5 tapered shaft , european flanged ports (**E**), standard seals*

GHP2A-D-6-**OR** = pompa destra, 4.5 cc/rev, flangia SAE a 2 fori, albero cilindrico C1, porte filettate FA, guarnizioni standard, guarnizione **OR** sul colletto
*clockwise rotation, 4.5 cc/rev, SAE A 2 bolt flange, cilindrical shaft C1, threaded ports FA, standard seal, **OR** seal on pilot*

LE TAVOLE DI PRODOTTO RAPPRESENTANO I TIPI POMPA STANDARD PER MARZOCCHI POMPE. LE TAVOLE SINOTTICHE DI FLANGE, ALBERI E PORTE HANNO LO SCOPO DI RAPPRESENTARE TUTTE LE POSSIBILI CONFIGURAZIONI DI PRODOTTO. PER MAGGIORI DETTAGLI SULLE DISPONIBILITÀ E CONDIZIONI DI FORNITURA, CONSIGLIAMO DI INTERPELLARE IL NOSTRO UFFICIO TECNICO-COMMERCIALE.

THE PRODUCT DATA SHEETS SHOW OUR STANDARD MODEL TYPES. THE SYNOPTIC TABLES FOR FLANGES, SHAFTS AND PORTS SHOW ALL THE POSSIBLE CONFIGURATIONS. FOR FURTHER DETAILS ABOUT THE AVAILABILITY OF EACH CONFIGURATION PLEASE CONTACT OUR SALES AND TECHNICAL DEPT.

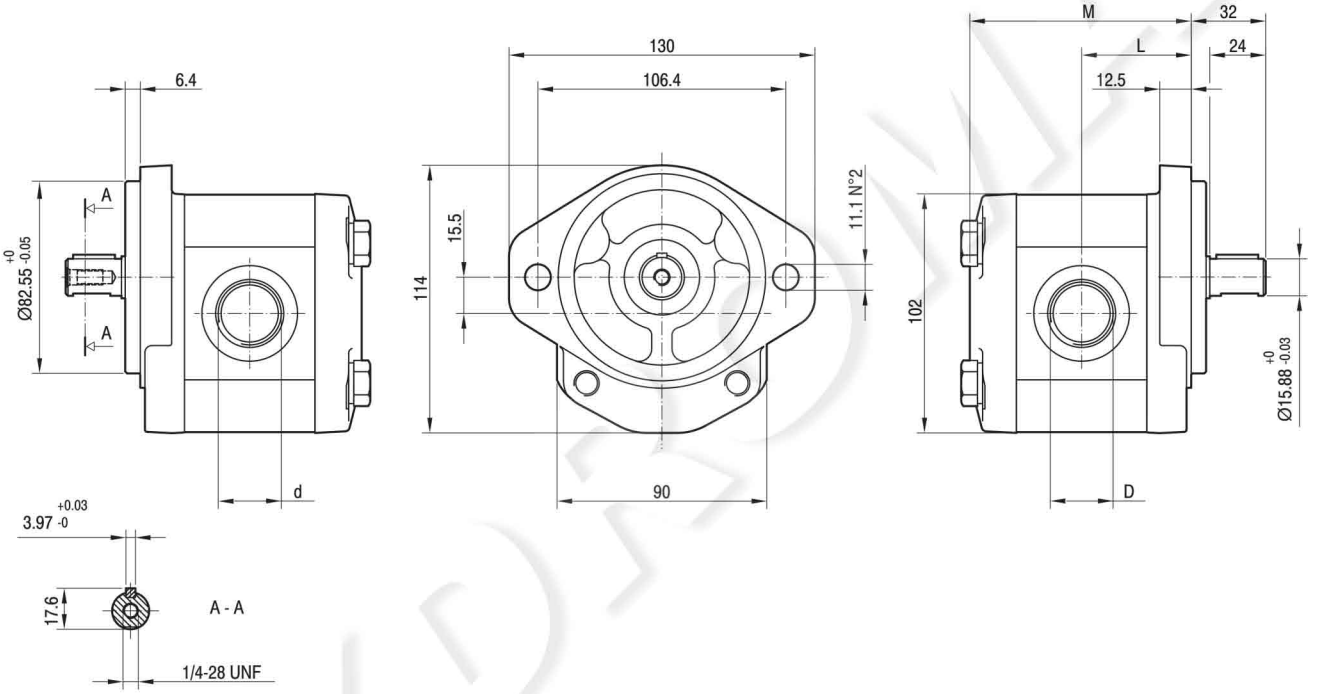
GHP2A

Parti accessorie a corredo della pompa standard: linguetta (codice 522067).
Monta flangia 82-2 (A) secondo norma SAE J744c.
Le porte standard di aspirazione e mandata sono lavorate secondo la specifica SAE J1926/1 (ISO 11926-1) relativa a porte filettate con tenuta O-ring.

Accessories supplied with the standard pump: key (code 522067).
Mounting flange 82-2 (A) in compliance with SAE J744c.
Inlet and outlet standard ports are machined in compliance with threaded port with O-ring seal in truncated housing SAE J1926/1 (ISO 11926-1).

MANDATA
OUTLET

ASPIRAZIONE
INLET

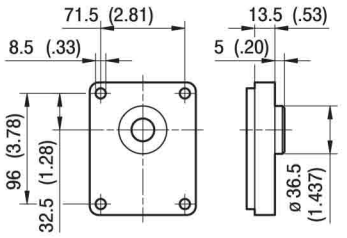


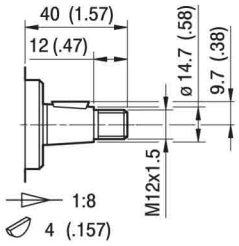
TIPO *TYPE*	CILINDRATA *DISPLACEMENT*	PORTATA a 1500 giri/min *FLOW at 1500 rev/min*	PRESSIONI MASSIME *MAX PRESSURE*			VELOCITÀ MASSIMA *MAX SPEED*	DIMENSIONI *DIMENSIONS*			
			P_1	P_2	P_3		L	M	d	D
	cm^3/giro [cm^3/rev]	litri/min [litres/min]	bar	bar	bar	giri/min [rpm]	mm	mm		
GHP2A-**D**-6	4,5	6,4	280	295	310	4000	45,5	92	7/8-14 UNF	1 1/16-12 UNF
GHP2A-**D**-9	6,4	9,1	280	295	310	4000	47	95	7/8-14 UNF	1 1/16-12 UNF
GHP2A-**D**-10	7,0	10,0	280	295	310	4000	47,5	96	7/8-14 UNF	1 1/16-12 UNF
GHP2A-**D**-12	8,3	11,8	280	295	310	4000	48,5	98	7/8-14 UNF	1 1/16-12 UNF
GHP2A-**D**-13	9,6	13,7	280	295	310	4000	49,5	100	7/8-14 UNF	1 1/16-12 UNF
GHP2A-**D**-16	11,5	16,4	280	295	310	4000	51	103	7/8-14 UNF	1 1/16-12 UNF
GHP2A-**D**-20	14,1	20,1	260	275	290	3200	53	107	7/8-14 UNF	1 1/16-12 UNF
GHP2A-**D**-22	16,0	22,8	260	275	290	2800	54,5	110	7/8-14 UNF	1 1/16-12 UNF
GHP2A-**D**-25	17,9	25,5	260	275	290	2500	56	113	7/8-14 UNF	1 1/16-12 UNF
GHP2A-**D**-30	21,1	30,1	230	245	260	2200	58,5	118	7/8-14 UNF	1 1/16-12 UNF
GHP2A-**D**-34	23,7	33,7	230	245	260	2000	60,5	122	7/8-14 UNF	1 1/16-12 UNF
GHP2A-**D**-37	25,5	36,4	210	225	240	1800	62	125	7/8-14 UNF	1 1/16-12 UNF
GHP2A-**D**-40	28,2	40,1	200	215	230	1800	64	129	7/8-14 UNF	1 1/16-12 UNF
GHP2A-**D**-50	35,2	50,2	160	175	190	1800	69,5	140	7/8-14 UNF	1 5/16-12 UNF

Nel caso di funzionamento a pressioni elevate e intermittenti è possibile una riduzione della resistenza a fatica del corpo.
A reduction of body's fatigue strength may occur if the pump is working at elevated and intermittent pressures.

FLANGE / *FLANGES*

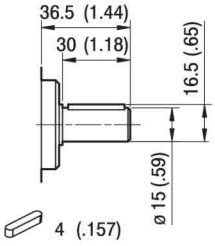
ALBERI / *SHAFTS*





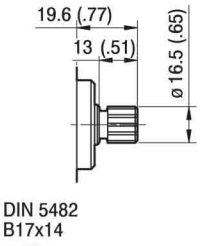
T0

Coppia Max
Max Torque 145 Nm



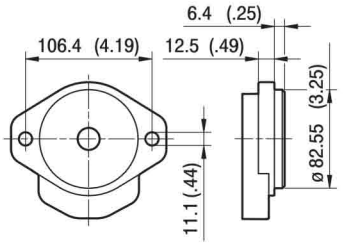
C0

Coppia Max
Max Torque 125 Nm

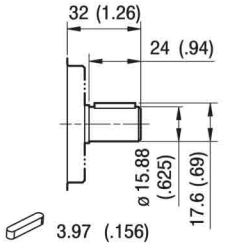


S0

Coppia Max
Max Torque 130 Nm

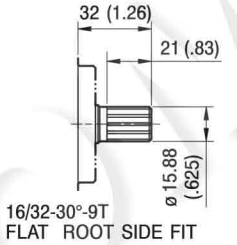


A



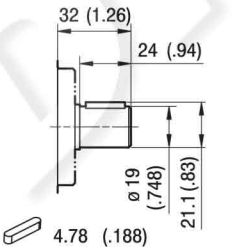
C1

Coppia Max
Max Torque 105 Nm



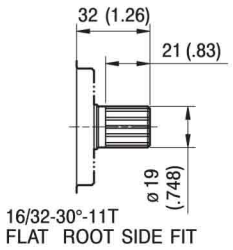
S1

Coppia Max
Max Torque 110 Nm



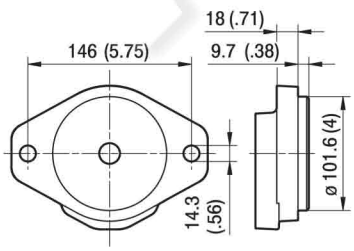
C2

Coppia Max
Max Torque 150 Nm

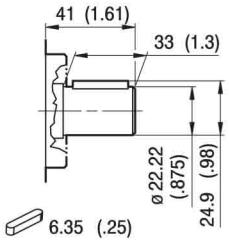


S2

Coppia Max
Max Torque 230 Nm

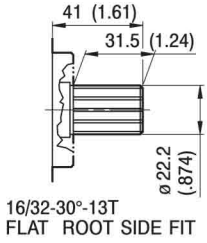


A3



C3

Coppia Max
Max Torque 130 Nm



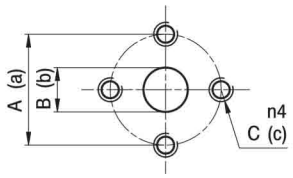
S5

Coppia Max
Max Torque 130 Nm

CD6.0 feb2011

Le coppie massime si riferiscono a condizioni di funzionamento ideali; i valori possono ridursi a causa della qualità dei giunti e connessioni impiegate.
Maximum torque ratings are referred to ideal working conditions; such values may reduce based on the quality of joints and connections used.

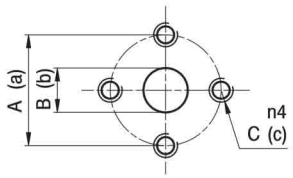
PORTE / *PORTS*



E

TIPO *TYPE*	ASPIRAZIONE *INLET*			MANDATA *OUTLET*		
	A	B	C	a	b	c
GHP2...6 ÷ GHP2...9	30	13	M6	30	13	M6
GHP2..10 ÷ GHP2..13	40	13	M8	40	13	M8
GHP2..16 ÷ GHP2..25	40	19	M8	40	13	M8
GHP2..30 ÷ GHP2..40	40	19	M8	40	19	M8
GHP2...50	40	21	M8	40	19	M8

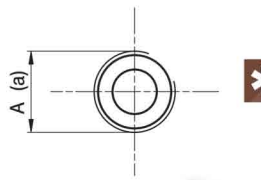
I valori delle coppie di serraggio delle viti presenti nel kit raccordo sono indicate a pag 55 (capitolo accessori)
Tightening torques of the fittings screws are specified on page 55 (accessories section)



EP

TIPO *TYPE*	ASPIRAZIONE *INLET*			MANDATA *OUTLET*		
	A	B	C	a	b	c
GHP2...6	40	13	M8	30	13	M6
GHP2...10 ÷ GHP2...13	30	13	M6	30	13	M6
GHP2...16 ÷ GHP2...40	40	19	M8	30	13	M6
GHP2...50	40	21	M8	30	19	M6

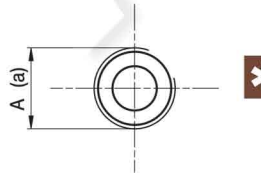
I valori delle coppie di serraggio delle viti presenti nel kit raccordo sono indicate a pag 55 (capitolo accessori)
Tightening torques of the fittings screws are specified on page 55 (accessories section)



FG ✱

TIPO *TYPE*	ASPIRAZIONE *INLET*	MANDATA *OUTLET*
	A	a
GHP2...6 ÷ GHP2...16	G1/2	G1/2
GHP2..20 ÷ GHP2..40	G3/4	G1/2

Raccordo G1/2 coppia di serraggio massima 50 Nm. Raccordo G3/4 coppia di serraggio massima 60 Nm.
Consigliamo di richiedere conferma al fornitore del raccordo.
Tightening torques for G1/2 fitting: 50 Nm. Tightening torques for G3/4 fitting: 60 Nm. Please check with the fittings suppliers.



FC ✱

TIPO *TYPE*	ASPIRAZIONE *INLET*	MANDATA *OUTLET*
	A	a
GHP2...6 ÷ GHP2...16	Rc1/2	Rc1/2
GHP2..20 ÷ GHP2..40	Rc3/4	Rc1/2

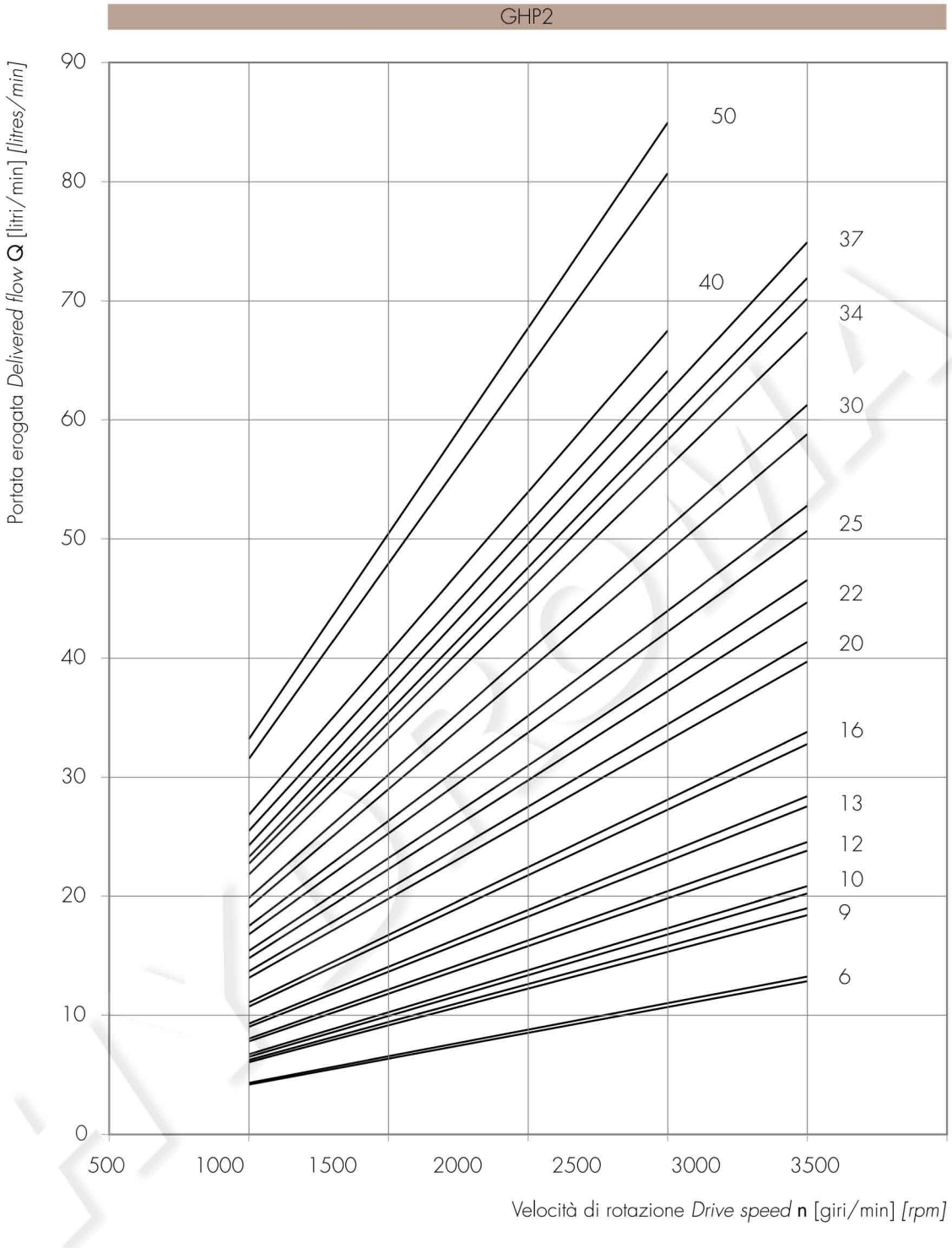
Raccordo Rc1/2 coppia di serraggio massima 50 Nm. Raccordo Rc3/4 coppia di serraggio massima 60 Nm.
Consigliamo di richiedere conferma al fornitore del raccordo.
Tightening torques for Rc1/2 fitting: 50 Nm. Tightening torques for Rc3/4 fitting: 60 Nm. Please check with the fittings suppliers.

CD6.0 feb2011

✱ Nel caso di funzionamento a pressioni elevate e intermittenti è possibile una riduzione della resistenza a fatica del corpo.
A reduction of body's fatigue strength may occur if the pump is working at elevated and intermittent pressures.

GHP2 CURVE CARATTERISTICHE

GHP2 PERFORMANCE CURVES



Le curve sono state ottenute alla temperatura di 50°C, utilizzando olio con viscosità 30 cSt alle pressioni sotto riportate.

Each curve has been obtained at 50°C, using oil with viscosity 30 cSt at these pressure.

6, 9, 10, 12, 13, 16 — 25-290 bar

20, 22, 25 — 25-270 bar

30, 34 — 25-240 bar

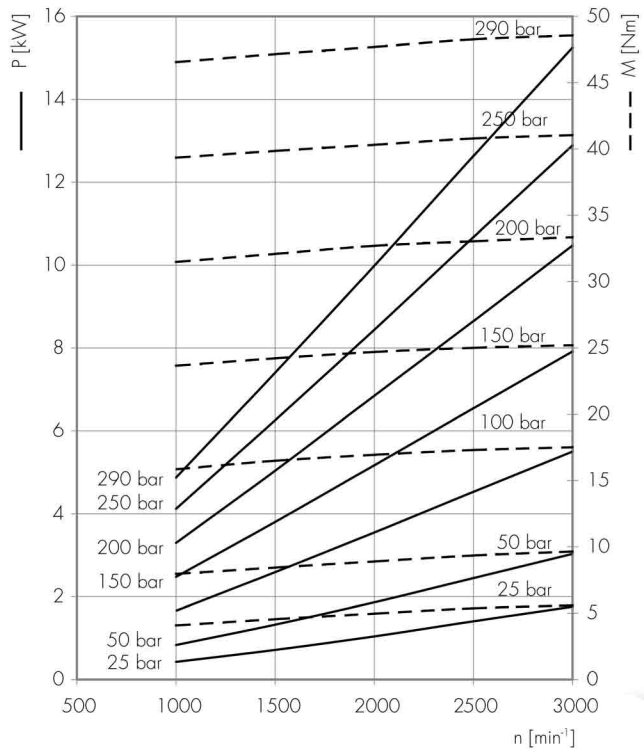
37 — 25-230 bar

40 — 25-210 bar

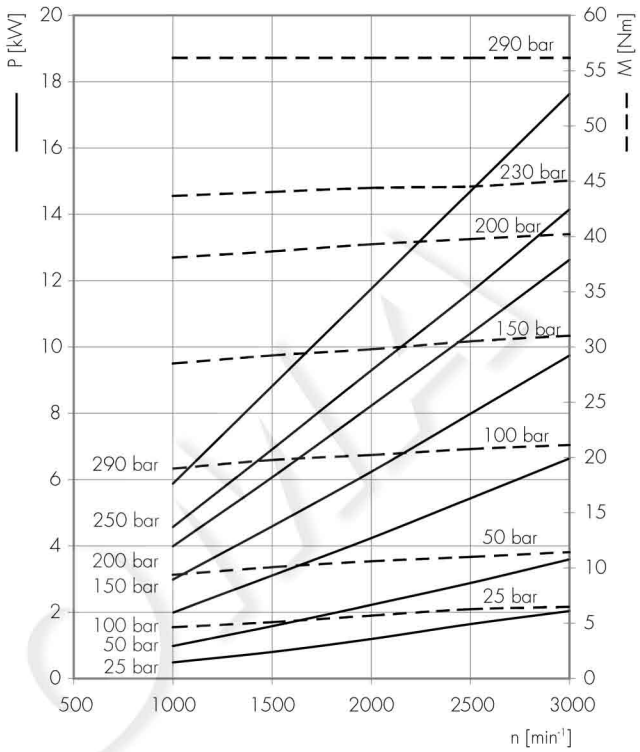
50 — 25-180 bar

Potenza assorbita *Absorbed power* **P** [kW]
Momento torcente assorbito *Absorbed torque* **M** [Nm]
Velocità di rotazione *Drive speed* **n** [giri/min] *[rpm]*

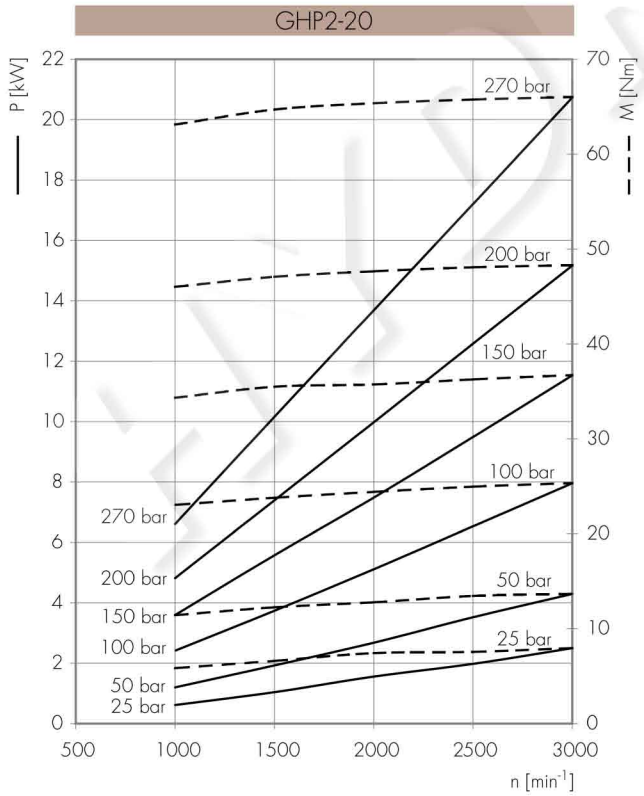
GHP2-13



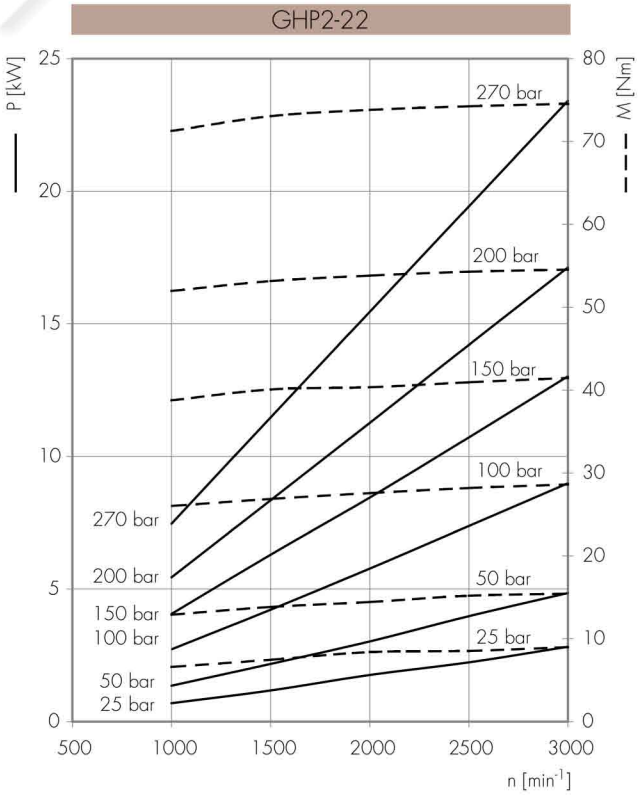
GHP2-16



GHP2-20



GHP2-22



KIT GUARNIZIONI / *SPARE GASKET KIT*

GRUPPO *GROUP*	TIPO *TYPE*	ROTAZIONE *ROTATION*	GUARNIZIONI *SEALS*	OPZIONI *OPTIONS*	CODICE *CODE*
GHP1	tutti / *all*	D/S	omit	omit	650221/R
			V		650222/R
			ST		650224/R
			H		650223/R
			omit	TR	650251/R
			V		650248/R
			ST		650250/R
			H		650249/R
		R	omit		650225/R
			V		650253/R
			ST		650255/R
			H		650254/R
GHP2	omit A BK1 BK2 BK4	D/S	omit	omit	650226/R
			V		650227/R
			ST		650229/R
			H		650228/R
			omit	TR	650244/R
			V		650245/R
			ST		650247/R
			H		650246/R
		R	omit		650230/R
			V		650256/R
			ST		650258/R
			H		650257/R
	BK7	D/S	omit	omit	650273/R
			V		650274/R
		R	omit		650275/R
			V		650276/R
GHP3	omit	D/S	omit	omit	650231/R
			V		650232/R
			ST		650234/R
			H		650233/R
			omit	TR	650263/R
			V		650264/R
			ST		650266/R
			H		650265/R
	A BK1 5	D/S	omit	omit	650236/R
			V		650237/R
			ST		650239/R
			H		650238/R
			omit	TR	650267/R
			V		650268/R
			ST		650270/R
			H		650269/R