

GS2			200	250	300	350	420	500
Displacements	<i>Cilindrate</i>	cm ³ /rev	192	251	304	347	425	493
Alesaggio Ø	<i>Bore Ø</i>	mm	35	40	44	47	52	56
Stroke	<i>Corsa</i>	mm	40	40	40	40	40	40
Specific Torque	<i>Coppia Spec.</i>	Nm/bar	3.00	3.92	4.75	5.42	.63	7.69
Cont. Pressure	<i>Press. Cont.</i>	bar	250	250	250	250	250	250
Peak Pressure	<i>Press. Picco</i>	bar	425	425	400	375	350	350
Cont. Speed	<i>Velocita' Cont.</i>	rpm	900	700	650	600	525	525
Max. Speed	<i>Velocita' Max</i>	rpm	1350	1250	1150	1100	900	850
Peak PowerS	<i>Potenza Picco</i>	kW	80	80	80	80	80	80

· Max. freewheeling speed:	2000 rpm			<i>Velocità max. in folle:</i>	2000 giri/min		
NB: Vacuum freewheeling with inlet port closed				<i>NB: Funzionamento in "vacuum" con ingresso chiuso</i>			
Weight:	approx	52 kg	114 lb	<i>Peso:</i>	ca	52 kg	
Motor casing oil capacity:		2 lit	122 cu.ins	<i>Capacità olio corpo motore:</i>		2 lit	
Max. casing pressure:	cont.	3 bar	42 psi	<i>Pressione max. carcassa:</i>		3 bar cont.	
	peak	6 bar	85 psi			6 bar picco	

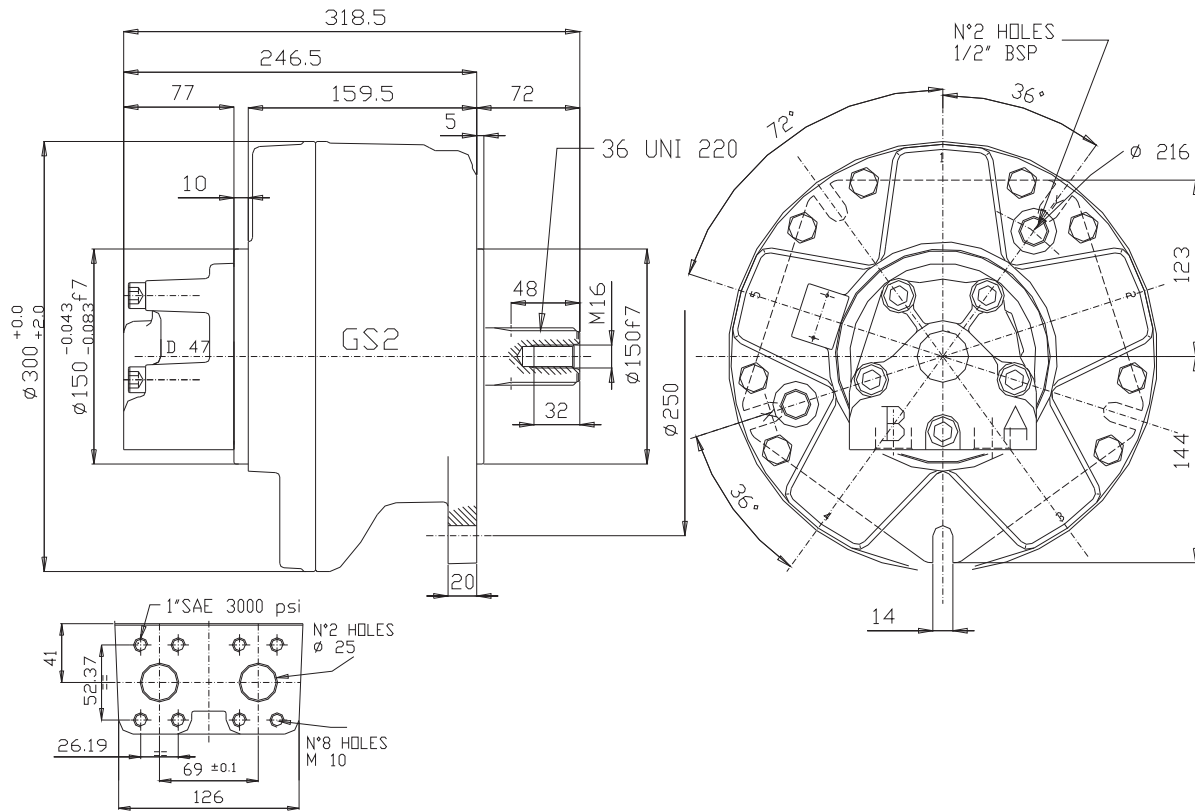
= Preferred type

NB: Continuous or average working pressure should be chosen in function of the required service lifetime (see bearing lifetime).

NB: La pressione continua o media di lavoro va determinata in funzione della vita del motore (vedi vita cuscinetti).

DIMENSIONS

DIMENSIONI



SHAFTS

ALBERI

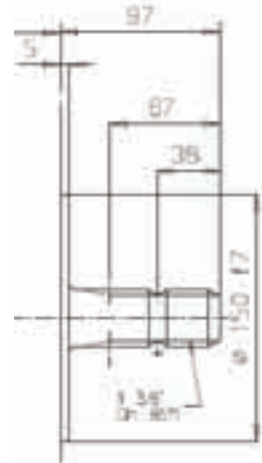
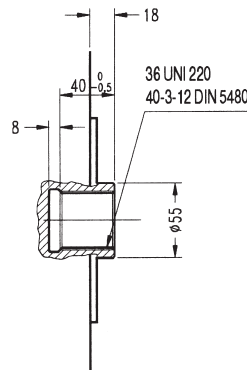
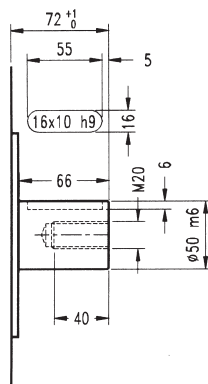
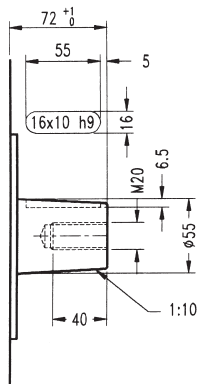
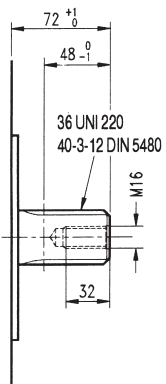
Splined UNI 221 1
Calettato DIN 5480 7

Tapered 2*
Conico

Cylindrical 8*
Cilindrico

Internal spline DIN 5480 9
Calett. Intern. UNI 221 3

PTO Shaft (optional)
Albero tipo PTO (opzionale)

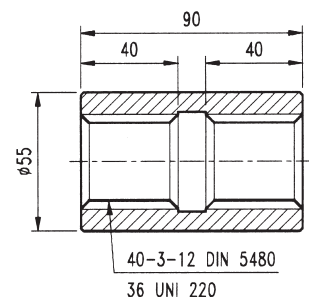


SPLINE DATA - CALETTATURE

40-3-12 DIN 5480	
	d0 Ø36.0
	d1 Ø40.0 ^{+0.620} / ₊₀ H14
	d2 Ø34.0 ^{+0.160} / ₊₀ H11
	A Ø5.25
	da Ø28.964 H11
	d3 Ø39.4 ⁻⁰ / _{-0.160} h11
	d4 Ø33.4 ⁻⁰ / _{-0.620} h14
	B Ø6.0
	db Ø45.989 f8

36 UNI 220 (DIN 5462)	
	d1 Ø36.0 ^{+0.025} / ₊₀ H7
	d2 Ø40.0 ^{+0.160} / ₊₀ H11
	A 7.0 ^{+0.028} / _{+0.013} F7
	d3 Ø36.0 ^{-0.009} / _{-0.025} g6
	d4 Ø40.0 ^{-0.065} / _{-0.160} d11
	B 7.0 ^{-0.013} / _{-0.028} f7

**ADAPTORS
MANICOTTI**



PERFORMANCE

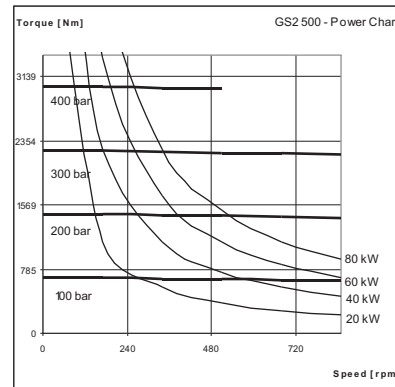
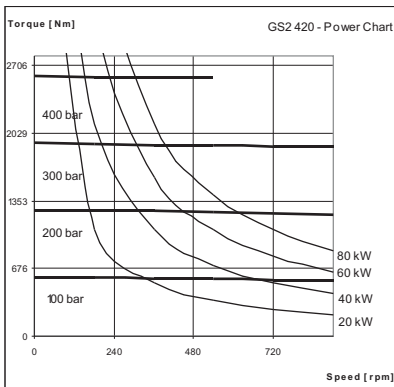
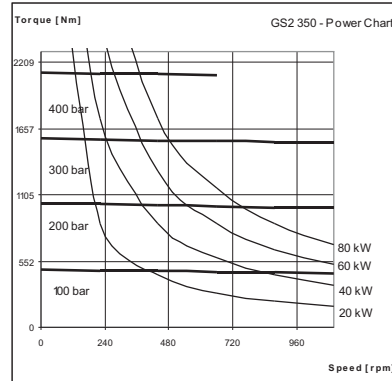
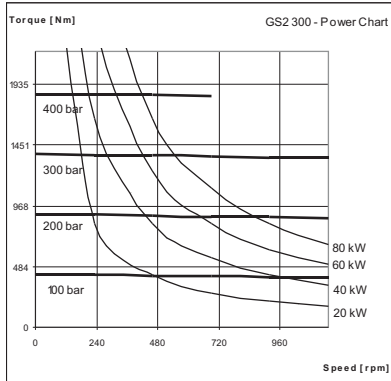
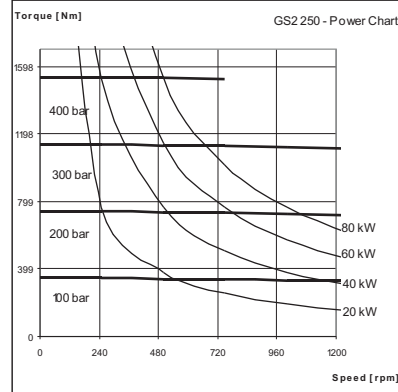
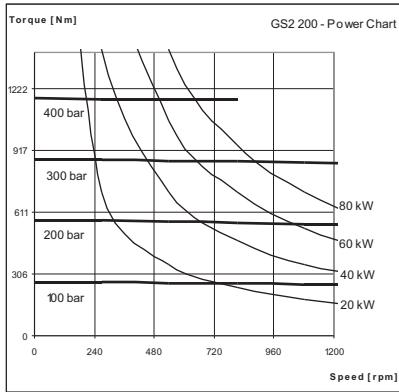
The graphs indicate the typical performance characteristics of the motors operating with mineral oil (standard ISO 68) .

CARATTERISTICHE

I grafici si riferiscono alle caratteristiche dei motori operando con olio minerale (standard ISO 68)

TORQUE - SPEED-POWER

COPPIA-VELOCITÀ-POTENZA



STARTING / STALLING TORQUE

The output torque of the motors does not fall off at stalling speed. The graphs above indicate the starting torque of the motors (torque at 0 rpm).

COPPIA DI SPUNTO / STALLO

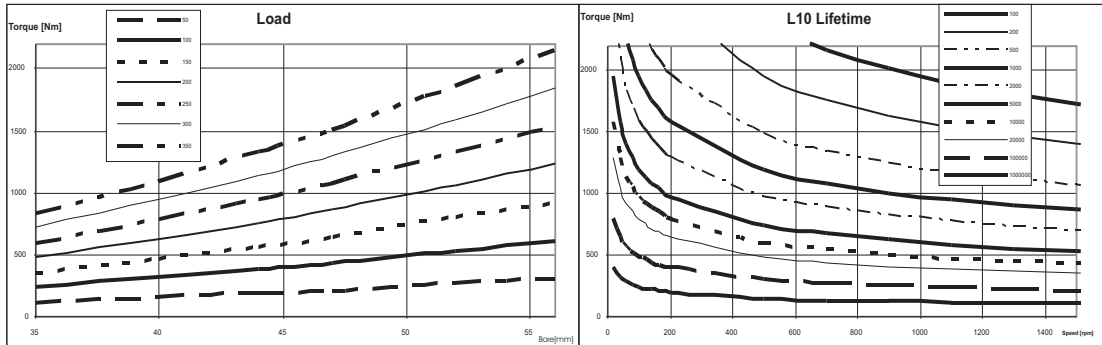
La coppia erogata dal motore non diminuisce in prossimità della velocità di stallo. I grafici indicano la coppia di spunto dei motori (coppia a 0 rpm)

BEARING LIFETIME (See page14)

The following graph is relative to H bearings' configuration (see below, "order codes", point 3)

VITA CUSCINETTI (vedi pagina 14)

Il grafico seguente si riferisce alla configurazione di cuscinetti H (vedi sotto, "codici d'ordine", punto 3)



****Note:** please contact our technical department in order to define bearings' life calculation in specific applications.

****Nota:** si prega di contattare cortesemente il nostro ufficio tecnico per definire la vita dei cuscinetti in applicazioni specifiche.

ORDER CODES

CODICI D'ORDINE

GS2 ① ② ③ ④ + ⑤ ⑥ ; ⑦ ⑧

MOTOR CODE

- 1. Nominal displacement** - see motor spec. table.
- 2. Shaft option:**
 - 1 = male 36 UNI 220 (std)
 - 7 = male 40-3-12 DIN 5480
 - 9 = female 40-3-12 DIN 5480
 - 3 = female 36 UNI 220
 - 2 = tapered keyed
 - 8 = cylindrical keyed
 - 5 = PTO Shaft (optional)
- 3. Bearings:**
 - H = roller bearings (std)
 - HGP = spherical roller bearing on motor cover and roller bearing on shaft output side
- 4. Other options:**
 - U = without shaft seal
 - SV = shaft seal protection
 - VI = Viton seals
 - I = case press. relief valve 3 bar
 - A = high pressure shaft seal in motor body (15 bar max)
 - SBK = disc cage in spherical support
- 5. Distributor:** D47 = standard
- 6. Tachometer:**
 - K = prepared for tachometer
 - J = with tachometer coupling
- 7. Direction of shaft rotation:** standard motors are supplied with clockwise rotation (viewed from shaft end) with flow in port A, out port B.
 - no code = clockwise rotation
 - L = anti-clockwise rotation
- 8. Distributor cover position:** see page 8
 - no code = position DM1
 - DM = other position (DM2/3/4/5)

= Preferred type

CODICE MOTORE

- 1. Cilindrata nominale** - vedi tabella cilindrata.
- 2. Opzioni albero :**
 - 1 = maschio 36 UNI 221 (std)
 - 7 = maschio 40-3-12 DIN 5480
 - 9 = femmina 40-3-12 DIN 5480
 - 3 = femmina 36 UNI 220
 - 2 = conico con chiavetta
 - 8 = cilindrico con chiavetta
 - 5 = albero presa di forza (opzionale)
- 3. Cuscinetti:**
 - H = cuscinetti a rulli (std)
 - HGP = cuscinetto a rulli di botte sul coperchio e a rulli sul corpo motore
- 4. Altre opzioni:**
 - U = senza tenuta albero
 - SV = protezione tenuta albero
 - VY = Tenute in Vyton
 - I = valv. sfiato 3 bar
 - SBK = gabbia del cuscinetto nel supporto sferico H
 - A = anello per alta pressione nel corpo motore
- 5. Distributore:** D47 = standard
- 6. Contagiri:**
 - K = predisposizione per contagiri
 - J = con attacco contagiri
- 7. Rotazione albero:** I motori sono forniti con rotazione in senso orario (visto dal lato albero) con flusso in ingresso in port A, in uscita port B.
 - nessun codice = rotazione in senso orario
 - L = rotazione in senso anti-orario
- 8. Orientamento coperchio distrib.:** vedi pag. 8
 - nessun codice = posizione DM 1
 - DM . = altra posizione (DM2/3/4/5)