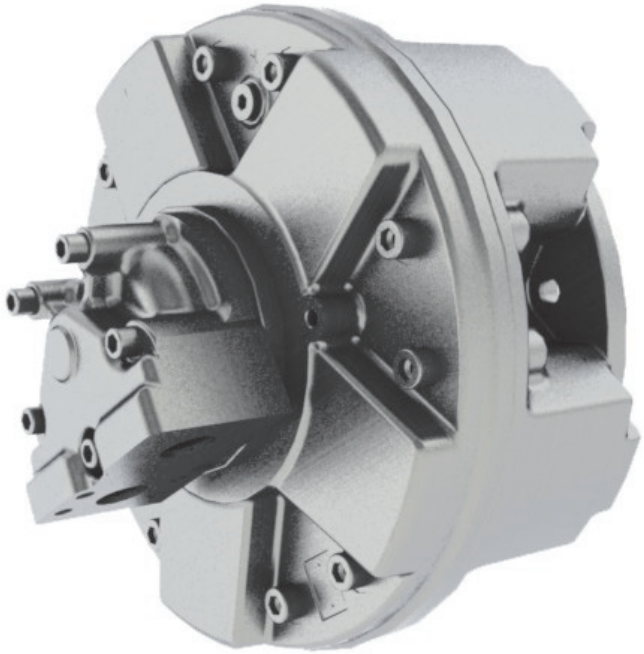
GM5A



PERFORMANCES TABLE
TABELLA DELLE PERFORMANCE

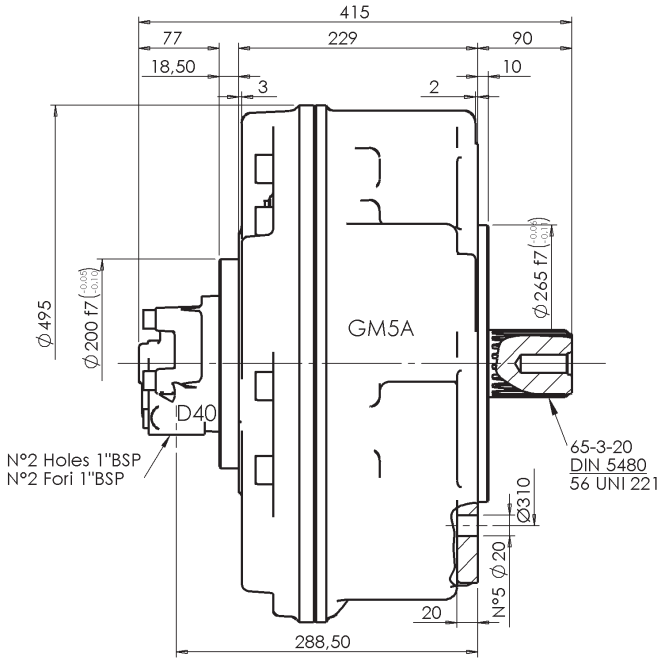
GM5A		800	1000	1200★	1300	1450	1600★	1800★	2000
Displacement / Cilindrata	cm^3/rev	807	1039	1185	1340	1462	1634	1816	2007
Bore / Alesaggio	mm	52	59	63	67	70	74	78	82
Stroke / Corsa	mm	76	76	76	76	76	76	76	76
Specific torque / Coppia spec.	Nm/bar	12,60	16,20	18,50	20,90	22,80	25,35	28,30	31,30
Cont. Pressure / Press. Cont.	bar	250	250	250	250	250	250	250	250
Peak pressure / Press. Picco	bar	425	425	400	400	375	375	350	350
Cont. speed / Velocità Cont.	rpm	325	300	300	300	275	250	250	200
Max. speed / Velocità Max	rpm	450	450	400	400	350	300	300	250
Peak power / Potenza picco	kW	120	120	120	120	120	120	120	120

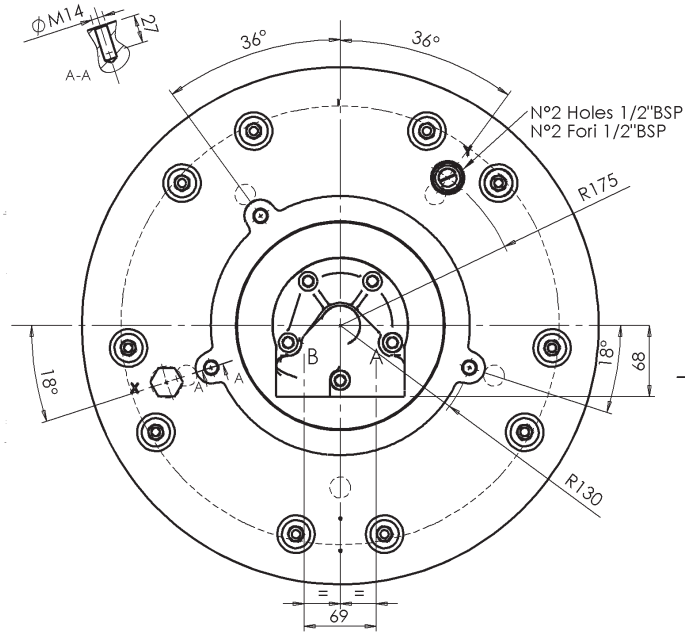
Approximative mass / Massa approssimativa	kg	174		
Motor casing oil capacity / Capacità olio corpo motore	l	10		
Max casing pressure / Pressiona max. in carcassa	bar	5	peak / picco	La pressione continua o media di lavoro va determinata in funzione della vita del motore (vita dei cuscinetti).
		1	continuous / continuo	Continuous or avarage working pressure should be chosen in function of the required service lifetime (bearing lifetime).

★= Preferred motor type / *Morote preferito*

DIMENSIONS

DIMENSIONI



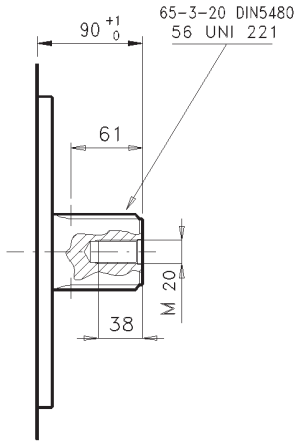


Flange and shaft dimensions are the same as for the M5 series motors
Le dimensioni della flangiatura e degli alberi sono come nella serie M5

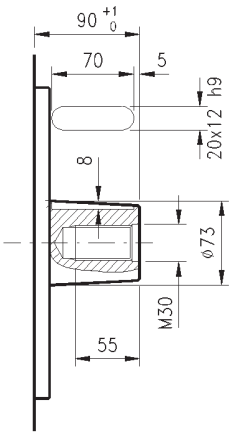
SHAFTS

ALBERI

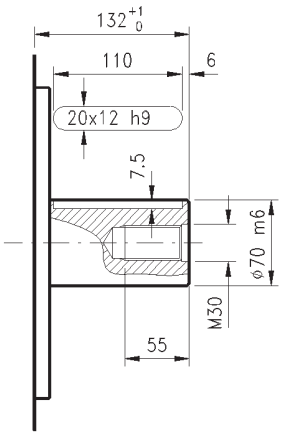
Splined DIN 5480 **7**
Calettato UNI 221 **1**



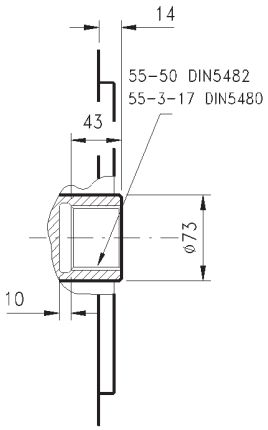
Tapered **2**
Conico



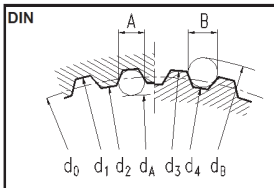
Cylindrical **8**
Cilindrico

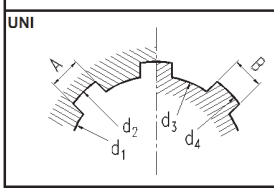


Internal spline DIN 5480 **9**
Calett. intern. DIN 5482 **3**



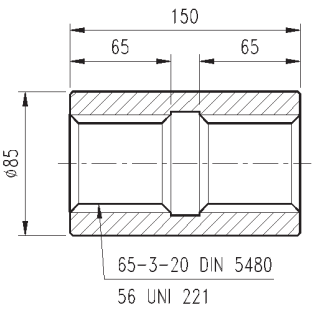
SPLINE DATA - *CALETTATURE*





	65-3-20 DIN 5480	55-2-26 DIN 5482	55-3-17 DIN 5480	56 UNI 221
d0	Ø60.0	Ø52.0	Ø51.0	d1 Ø56.0 +0.030 +0 H7
d1	Ø65.0 +0.740 +0 H14	Ø55.0 +0300 +0 H12	Ø55.0 +0.740 +0 H14	d2 Ø65.0 +0.190 +0 H11
d2	Ø59.0 +0.190 +0 H11	Ø50.0 +0.160 +0 H11	Ø49.0 +0.160 +0 H11	A 10.0 +0.028 +0.013 F7
A	Ø5.25	Ø3.5	Ø5.25	d3 Ø56.0 -0.010 -0.029 g6
da	Ø54.101 H11	Ø46.902 H10	Ø43.807 H11	d4 Ø65.0 -0.100 -0.190 d11
d3	Ø64.4 -0 -0.190 h11	Ø54.5 -0 -0.190 h11	Ø54.4 -0 -0.190 h11	B 10.0 -0.013 -0.028 f7
d4	Ø58.4 -0 -0.740 h14	Ø49.0 -0 -0.300 h12	Ø48.4 -0 -0.620 h14	
B	Ø6.0	Ø3.5	Ø6.0	
db	Ø70.999 f8	Ø56.953 e9	Ø60.873 f8	

ADAPTORS
MANICOTTI

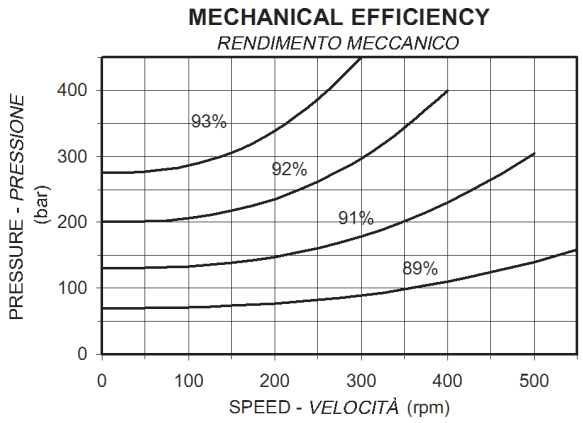


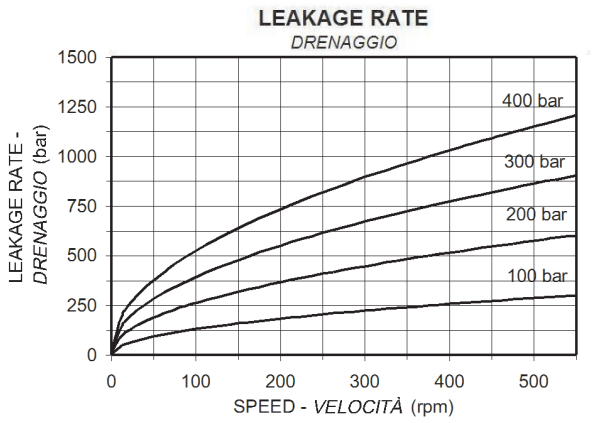
PERFORMANCE

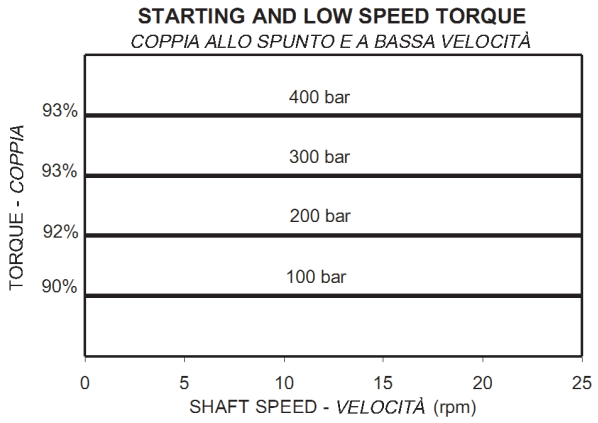
The graphs indicate the typical performance characteristics of the 1200 cc motor operating with mineral oil with viscosity 40 cSt at 50 °C.

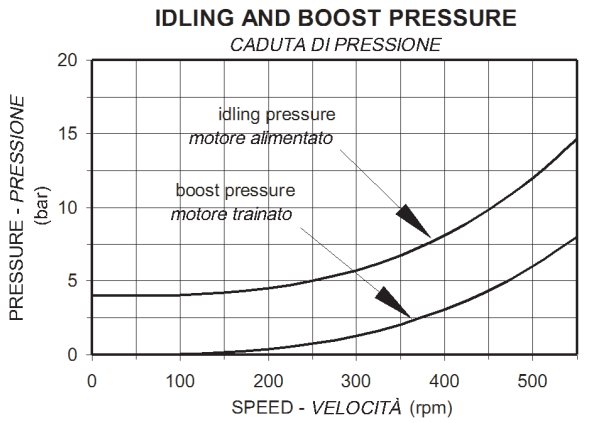
CARATTERISTICHE

I grafici si riferiscono alle caratteristiche del motore 1200 cc operando con olio minerale avente viscosità 40 cSt a 50 °C.







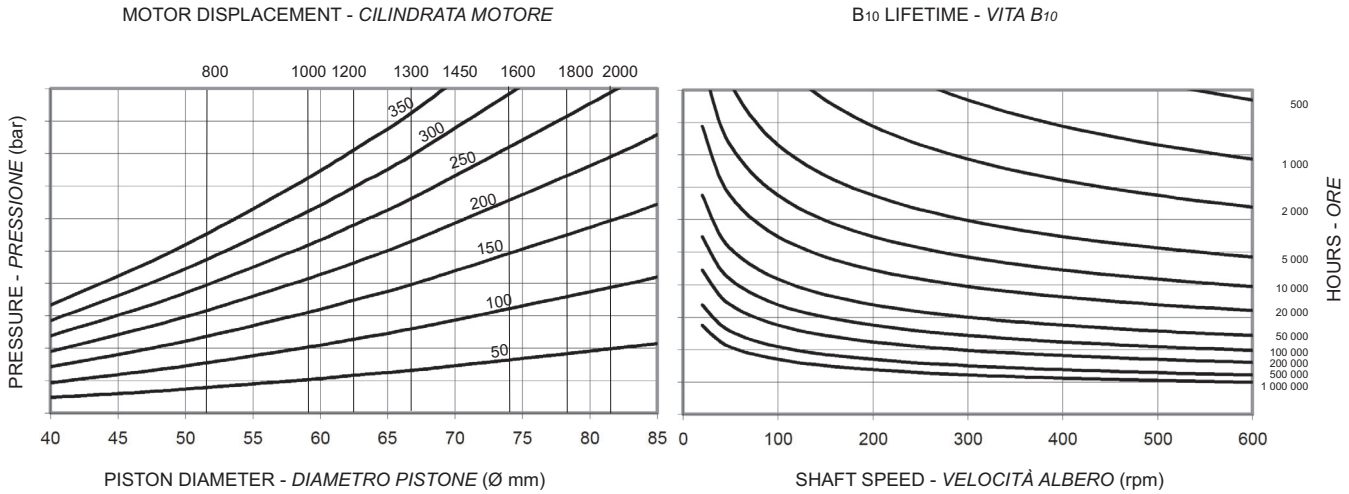


BEARING LIFETIME

The graph refers to the motor with the standard bearings. Note that the average lifetime of a bearing (B_{50} lifetime) is approximately 5 times the B_{10} lifetime.

VITA CUSCINETTI

Il grafico si riferisce ai motori con i cuscinetti standard. Notare che la vita media di un cuscinetto (vita B_{50}) è circa 5 volte superiore alla vita B_{10}.



BEARING OPTIONS

Spherical roller bearings (option G) - the lifetime of the spherical roller bearings is 0.91 times the equivalent lifetime of the roller bearings.

For longer lifetimes contact our technical department.

OPZIONI CUSCINETTI

Cuscinetti a rulli orientabili (opzione G) - la vita dei cuscinetti a rulli orientabili è 0,91 volte l'equivalente vita dei cuscinetti a rulli.

Per una durata maggiore consultare il Ns. ufficio tecnico

ORDER CODES — *CODICI D'ORDINE*

GM5A ❶ ❷ ❸ ❹ + ❺ ❻ ; ❼ ❽

MOTOR CODE

1. **Nominal displacement** - see motor spec. table.
2. **Shaft option:**
   - 7 = male 65-3-20 DIN 5480
   - 1 = male 56 UNI 221
   - 9 = female 55-3-17 DIN 5480
   - 3 = female A 55-50 DIN 5482
   - 2 = tapered keyed
   - 8 = cilindrical keyed
3. **Bearings:**
   - G = spherical roller bearings
4. **Other options:**
   - U = without shaft seal
   - SV = stainless steel shaft sleeve corr. protect. for shaft seal
   - V = Vyton seals
   - I = case press. relief valve 3 bar

DISTRIBUTOR CODE see page *

5. **Distributor**: D40 standard
6. **Tachometer:** K = predisposed for tachometer
   J = with tachometer coupling

ASSEMBLY CODES

7. **Direction of shaft rotation:** standard motors are supplied with clockwise rotation (viewed from shaft end) with flow in port A, out port B.
   - R = clockwise rotation
   - L = anti-clockwise rotation
8. **Distributor cover position:** see page10
   - no code = position DM1
   - DM . , = other position

CODICE MOTORE

1. ***Cilindrata nominale** - vedi tabella cilindrate.*
2. ***Opzioni albero:***
   - *7 = maschio 65-3-20 DIN 5480*
   - *1 = maschio 56 UNI 221*
   - *9 = femmina 55-3-17 DIN 5480*
   - *3 = femmina A 55-50 DIN 5482*
   - *2 = conico con chiavetta*
   - *8 = cilindrico con chiavetta*
3. ***Cuscinetti:***
   - *G = cuscinetti a rulli di botte*
4. ***Altre opzioni:***
   - *U = senza tenuta albero*
   - *SV = manicotto inox sull'albero protez. anticorros. per tenuta*
   - *V = Tenute in Vyton*
   - *I = valv. sfiato 3 bar*

CODICE DISTRIBUTORE *vedi pagina **

5. ***Distributore**: D40 standard*
6. ***Contagiri:*** *K = predisposizione per contagiri*
   J = con attacco contagiri

CODICI PER L'ASSEMBLAGGIO

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.*
   - *R = rotazione in senso orario*
   - *L = rotazione in senso anti-orario*
8. ***Posiz. coperchio distributore:*** *vedi pag.10*
   - *nessun codice = posizione DM1*
   - *DM . , = altra posizione*