GM03

PERFORMANCES TABLE
TABELLA DELLE PERFORMANCE

GM03		25	30	40	50	65	80	90	100	130
Displacement / Cilindrata	cm^3/rev	25	30	39	49	64	77	86	101	127
Bore / Alesaggio	mm	20	22	25	28	32	35	37	40	45
Stroke / Corsa	mm	16	16	16	16	16	16	16	16	16
Specific torque / Coppia spec.	Nm/bar	0,40	0,50	0,60	0,80	1,00	1,20	1,40	1,60	2,02
Cont. Pressure / Press. Cont.	bar	200	200	200	200	200	200	200	200	200
Peak pressure / Press. Picco	bar	450	430	410	390	370	350	330	310	290
Cont. speed / Velocità Cont.	rpm	910	875	840	805	770	735	700	665	650
Max. speed / Velocità Max	rpm	1300	1250	1200	1150	1100	1050	1000	950	900
Peak power / Potenza picco	kW	12	12	12	12	12	12	12	12	12

Approximative mass / Massa approssimativa	kg	15		
Motor casing oil capacity / Capacità olio corpo motore	l	0,8		
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 w orking pressure should be chosen in function of the required service lifetime (bearing lifetime).

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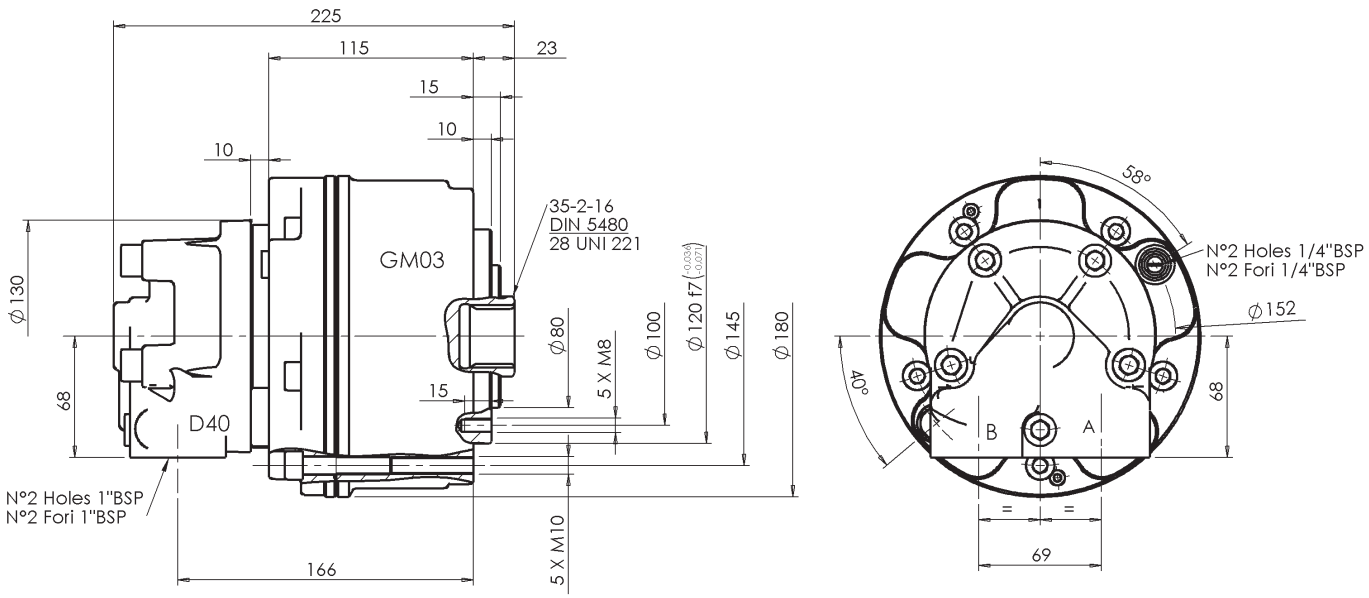
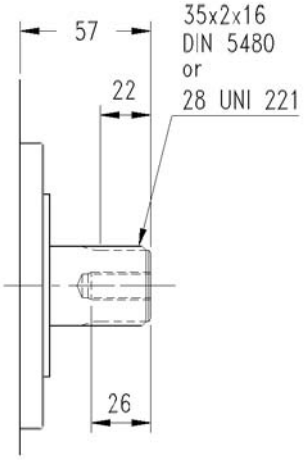
DIMENSIONS *DIMENSIONI*

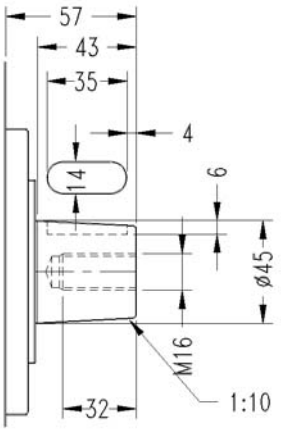


SHAFTS *ALBERI*

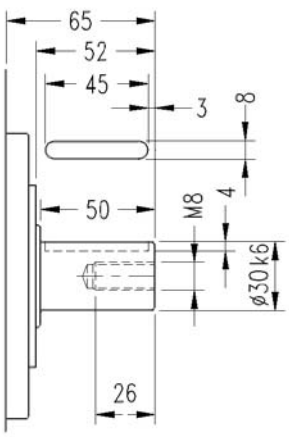
Splined DIN 5480 **7** *Calettato* UNI 221 **1**



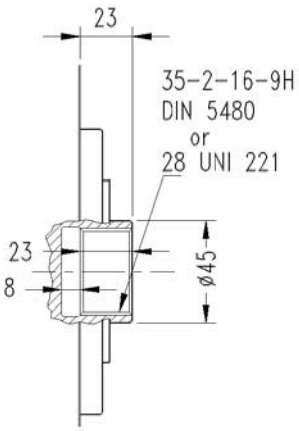
Tapered **2** *Conico*



Cylindrical **8** *Cilindrico*



Internal spline DIN 5480 **9** *Calett. intern.* UNI 221 **3**

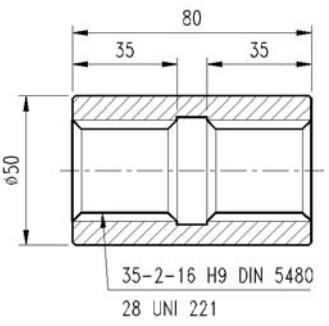


SPLINE DATA - *CALETTATURE*

35-2-16 DIN 5480		
d0	Ø32.0	
d1	Ø35.0 $^{+0.520}_{+0}$	H14
d2	Ø31.0 $^{+0.160}_{+0}$	H11
A	Ø3.5	
da	Ø27.711	H11
d3	Ø34.6 $^{-0}_{-0.160}$	h11
d4	Ø30.6 $^{-0}_{-0.520}$	h14
B	Ø4.0	
db	Ø39.000	f8

28 UNI 221 (6-28-34 DIN 5463)		
d1	Ø28.0 $^{+0.021}_{+0}$	H7
d2	Ø341. $^{+0.160}_{+0}$	H11
A	7.0 $^{+0.028}_{+0.013}$	F7
d3	Ø28.0 $^{-0.007}_{-0.020}$	g6
d4	Ø34.0 $^{-0.065}_{-0.160}$	h14
B	7.0 $^{-0.013}_{-0.028}$	f7

ADAPTORS *MANICOTTI*



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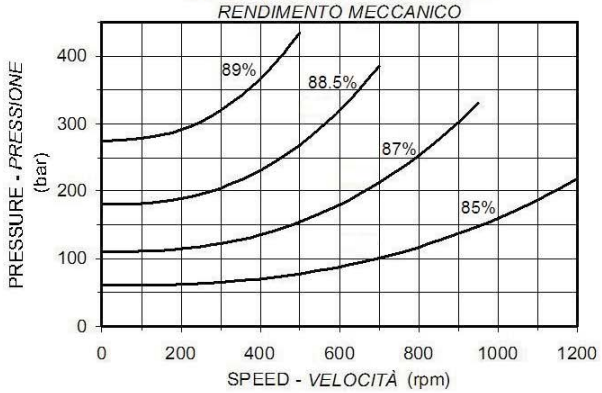
PERFORMANCE

The graphs indicate the typical performance characteristics of the 130 cc motor operating with mineral oil with viscosity 40 cSt at 50 °C.

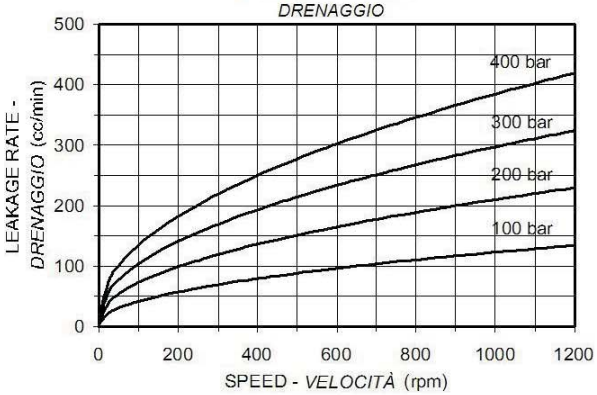
CARATTERISTICHE

I grafici si riferiscono alle caratteristiche del motore 130 cc operando con olio minerale avente viscosità 40 cSt a 50 °C.

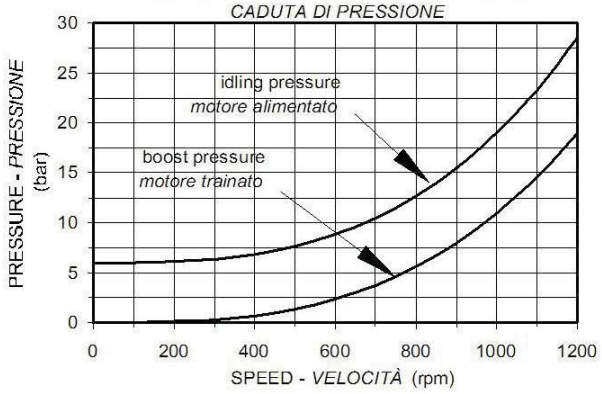
MECHANICAL EFFICIENCY
RENDIMENTO MECCANICO



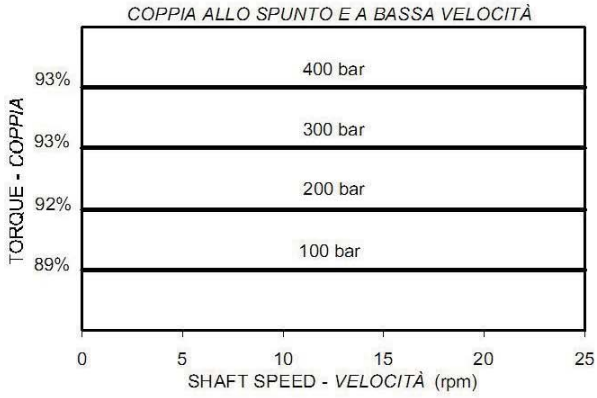
LEAKAGE RATE
DRENAGGIO



IDLING AND BOOST PRESSURE
CADUTA DI PRESSIONE



STARTING AND LOW SPEED TORQUE
COPPIA ALLO SPUNTO E A BASSA VELOCITÀ



BEARING LIFETIME

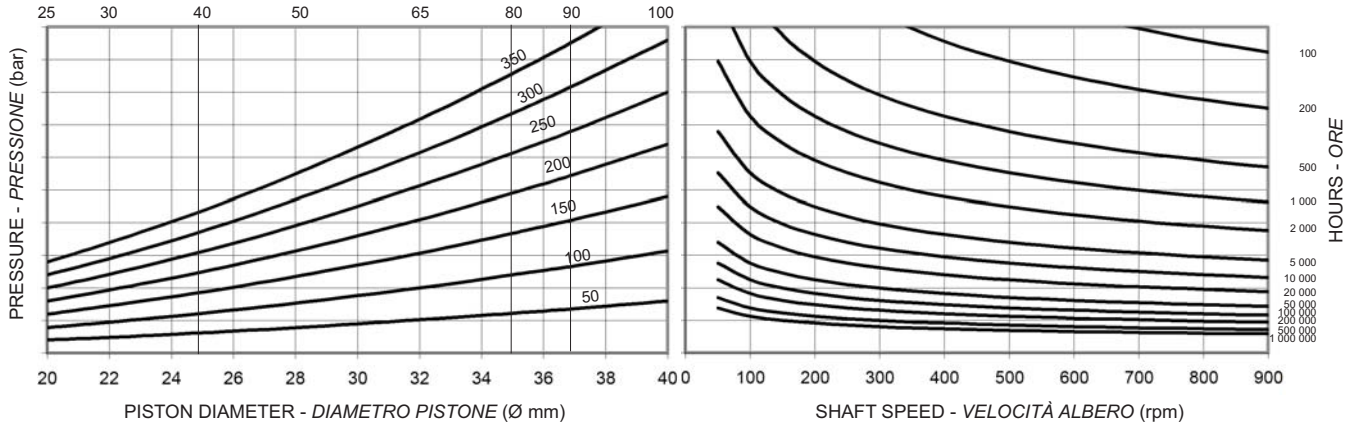
The graph refers to the motor with the standard bearings. Note that the average lifetime of a bearing (B_{50} lifetime) is approximately 5 times the B_{10} lifetime.

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}.

MOTOR DISPLACEMENT - *CILINDRATA MOTORE*

B_{10} LIFETIME - *VITA B_{10}*



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