

GM7



**PERFORMANCES TABLE
TABELLA DELLE PERFORMANCE**

| GM7 | | 1400 | 2000 | 2500 | 3000 | 3600 | 4300 | 4700 |
|---|----------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Displacement / Cilindrata | [cc/rev] | 1373 | 2007 | 2471 | 2985 | 3611 | 4298 | 4663 |
| Bore / Alesaggio | [mm] | 82 | 82 | 110 | 100 | 110 | 120 | 125 |
| Stroke / Corsa | [mm] | 52 | 76 | 52 | 76 | 76 | 76 | 76 |
| Specific Torque / Coppia Specifica | [Nm/bar] | 21,9 | 31,9 | 39,3 | 47,5 | 57,5 | 68,4 | 74,2 |
| Pressure Rating / Press.Nominale | [bar] | 250 | | | | | | |
| Peak Pressure / Pressione di Picco | [bar] | 420 | | | | | | |
| Cont. Speed / Velocità cont | [rpm] | 300 | 280 | 250 | 200 | 175 | 125 | 100 |
| Max Speed / Velocità max | [rpm] | 450 | 400 | 350 | 300 | 250 | 200 | 150 |
| Peak Power / Potenza di Picco | [kW] | 250 | | | | | | |

| | | | | | |
|----------------------------------|------------|---------------------------|-----------------------------------|------------|-------------------------|
| Approximative mass | 300 | [kg] | Massa approssimativa | 300 | [kg] |
| Motor casing oil capacity | 21 | [l] | Capacità olio corpo motore | 21 | [l] |
| Max casing Pressure | 5 | [bar] (peak) | Pressione max in carcassa | 5 | [bar] (picco) |
| | 1 | [bar] (continuous) | | 1 | [bar] (continuo) |

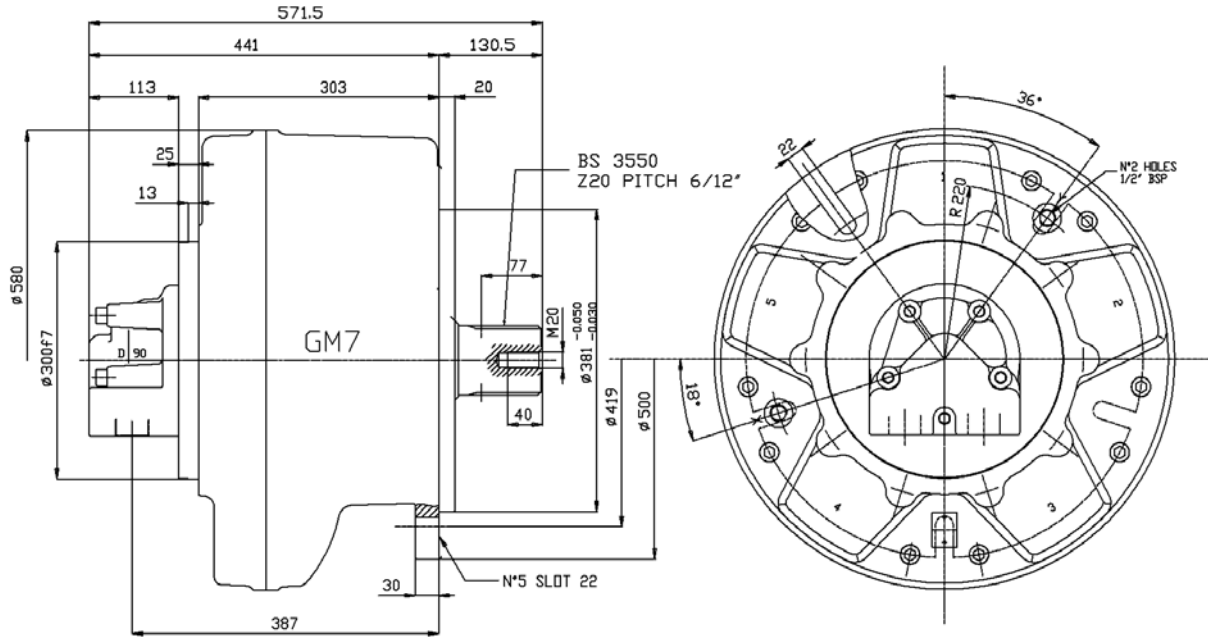
Note:

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

Nota:

La pressione continua o media di lavoro va determinata in funzione della vita del motore (vita dei cuscinetti)

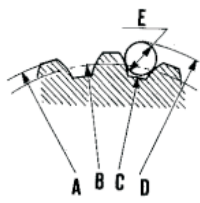
**DIMENSIONAL DRAWING
DIMENSIONI D'INGOMBRO**

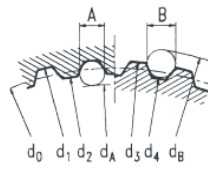


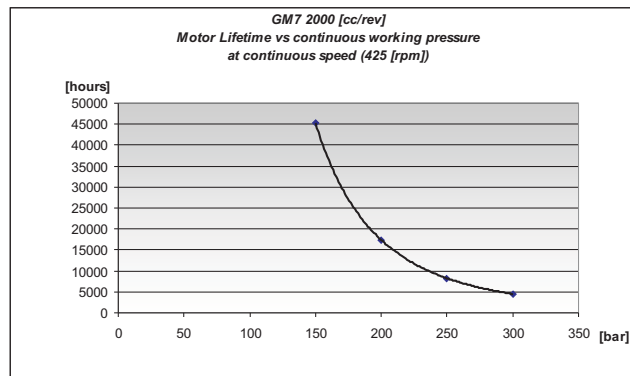
SHAFT OPTIONS / ALBERI OPZIONALI

- 1 BS 3550 (std)
- 8 Cylindrical keyed Ø85x166

- 9 80-3-25 DIN 5480 Female
- 7 80-3-25 DIN 5480 Male

| BS 3550 | |
|---|-----------------|
|  | A Ø88.0 -0.047 |
| | B Ø84.66 |
| | C Ø80.0 -0.48 |
| | d4 Ø97.0 +0.082 |
| | E Ø8.12 |

| 80-3-25 DIN 5480 | |
|--|---------------------------------|
|  | d ₀ Ø75.0 |
| | d ₁ Ø80.0 +0.870 H14 |
| | d ₂ Ø74.0 +0.190 H11 |
| | A Ø5.25 |
| | d _A Ø68.9 H9 |
| | d ₃ Ø79.4 -0 h11 |
| | d ₄ Ø73.4 -0.870 h14 |
| | B Ø6 |
| | d _B Ø85.9 f8 |



Il grafico non considera carichi radiali applicati sull'albero;
la vita è stata calcolata in accordo con la formula L10SAI
This graph has been made considering that No radial is applied on the shaft;
bearing lifetime has been estimated according to L10SAI formulation