

Technical Data Sheet
Gearbox
WORM GEARBOX SQUARE DESIGN



| | | |
|--------------------|-------|-----|
| MODEL | M30 | |
| Ø OUTPUT SHAFT | 14 | mm |
| APPROXIMATE RATIO | 20 | |
| EXACT RATIO | 20.00 | |
| OUTPUT SPEED | 73 | RPM |
| EXACT OUTPUT SPEED | 73 | RPM |
| INPUT POWER | 0.09 | KW |
| INPUT ROTATION | 1400 | RPM |
| INPUT PAM | 56B5 | |
| OUTPUT TORQUE | 8.59 | N.m |
| NOMINAL TORQUE | 19.00 | N.m |
| NOMINAL POWER | 0.2 | KW |
| SERVICE FACTOR | 2.22 | |
| DYNAMIC EFFICIENCY | 0.70 | |



Oil Quantity (L)

| B3/H1 | B6/H4 | B7/H3 | B8/H2 | V5/H5 | V6/H6 |
|-------|-------|-------|-------|-------|-------|
| 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |

Radial and Axial Loads



| n_2 [min ⁻¹] | FA [N] | FR [N] |
|----------------------------|--------|--------|
| 200 | 120 | 600 |
| 100 | 160 | 800 |
| 50 | 200 | 1000 |
| 15 | 280 | 1400 |

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PM30**FB**... Basic wormbox
Riduttore base

Gearbox weight
peso riduttore **1.15 kg**

| M. flanges | Kit code | øF | A |
|------------|------------|-----|------|
| 56B5 | K030.4.041 | 120 | 61.5 |
| 63B5 | K030.4.042 | 140 | 62.5 |
| 56B14 | K030.4.046 | 80 | 61.5 |
| 63B14 | K030.4.045 | 90 | 62.5 |



PM30**FC**... Square flange
Flangia quadrata



PM30**FB**... Feet
Piedini



PM30**BR**... Reaction arm
Braccio di reazione



RM30FB... Input shaft
Albero in entrata



PM30....**S**... Single Shaft
Albero lento semplice

PM30....**D**... Double Shaft
Albero lento bisp.



① kit cod. K030.5.028 type B

② kit cod. K030.5.029 type B

| | ød | e | g | l | m | x | kit code |
|--------|------|------|---|----|----|---|------------------|
| type B | 9 h6 | 10.2 | 3 | 20 | 58 | - | K030.5.006 PAM63 |
| type S | - | - | - | - | - | - | - |

| | b1 | c1 | d1 | e1 | f1 | l1 | m1 | n1 | t2 | o1 |
|--------|----|----|--|------|----|-----|----|------|----|-------|
| type B | 5 | 25 | 14 ^{-0.005} _{-0.020} | 35.5 | 55 | 126 | 59 | 94.5 | 16 | M5x14 |
| type S | - | - | - | - | - | - | - | - | - | - |