

Technical Data Sheet  
Gearbox  
WORM GEARBOX SQUARE DESIGN



|                    |       |     |
|--------------------|-------|-----|
| MODEL              | M30   |     |
| Ø OUTPUT SHAFT     | 14    | mm  |
| APPROXIMATE RATIO  | 7     |     |
| EXACT RATIO        | 7.00  |     |
| OUTPUT SPEED       | 209   | RPM |
| EXACT OUTPUT SPEED | 209   | RPM |
| INPUT POWER        | 0.12  | KW  |
| INPUT ROTATION     | 1400  | RPM |
| INPUT PAM          | 63B14 |     |
| OUTPUT TORQUE      | 4.58  | N.m |
| NOMINAL TORQUE     | 17.00 | N.m |
| NOMINAL POWER      | 0.44  | KW  |
| SERVICE FACTOR     | 3.67  |     |
| DYNAMIC EFFICIENCY | 0.80  |     |



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 <sup>-1</sup> ] | 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 <sup>-0.005</sup> <sub>-0.020</sub> | 35.5 | 55 | 126 | 59 | 94.5 | 16 | M5x14 |
| type S | -  | -  | -                                      | -    | -  | -   | -  | -    | -  | -     |