

Technical Data Sheet  
 Gearbox  
 WORM GEARBOX SQUARE DESIGN



|                    |        |     |
|--------------------|--------|-----|
| MODEL              | Q75    |     |
| Ø OUTPUT SHAFT     | 30     | mm  |
| APPROXIMATE RATIO  | 25     |     |
| EXACT RATIO        | 25.00  |     |
| OUTPUT SPEED       | 58     | RPM |
| EXACT OUTPUT SPEED | 58     | RPM |
| INPUT POWER        | 1.50   | KW  |
| INPUT ROTATION     | 1400   | RPM |
| INPUT PAM          | 90B14  |     |
| OUTPUT TORQUE      | 204.63 | N.m |
| NOMINAL TORQUE     | 250.00 | N.m |
| NOMINAL POWER      | 1.8    | KW  |
| SERVICE FACTOR     | 1.20   |     |
| DYNAMIC EFFICIENCY | 0.80   |     |



Oil Quantity (L)

| B3/H1 | B6/H4 | B7/H3 | B8/H2 | V5/H5 | V6/H6 |
|-------|-------|-------|-------|-------|-------|
| 0.4   | 0.4   | 0.4   | 0.4   | 0.4   | 0.4   |

Radial and Axial Loads



| $n_2$ [min-1] | FA [N] | FR [N] |
|---------------|--------|--------|
| 200           | 460    | 2300   |
| 100           | 560    | 2800   |
| 50            | 720    | 3600   |
| 15            | 1000   | 5000   |

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**PQ75FB...** Basic wormbox  
Riduttore base

Gearbox weight  
peso riduttore **8.70 kg**

| M. flanges | Kit code   | øF  | A   |
|------------|------------|-----|-----|
| 71B5       | K023.4.041 | 160 | 114 |
| 80/90B5    | K023.4.042 | 200 | 116 |
| 100/112B5  | K023.4.043 | 250 | 125 |
| 80B14      | K085.4.046 | 120 | 116 |
| 90B14      | K085.4.045 | 140 | 116 |
| 100/112B14 | K085.4.047 | 160 | 125 |



**PQ75FC...** Square flange  
Flangia quadrata



**PQ75FL...** Square flange  
Flangia quadrata



**PQ75FB...** Feet  
Piedini



**PQ75BR...** Reaction arm  
Braccio di reazione



**RQ75FB...** Input shaft  
Albero in entrata



**PQ75....S...** Single Shaft  
Albero lento semplice

**PQ75....D...** Double Shaft  
Albero lento bisp.



① kit cod. KQ75.5.028 Standard  
kit cod. KQ75.5.026 On request  
② kit cod. KQ75.5.029 Standard

|        | ød    | e    | g | l  | m     | x     | kit code  |
|--------|-------|------|---|----|-------|-------|---|
| type B | 25 h6 | 27.8 | 8 | 50 | 109.5 | M8x20 | KQ75.5.006 PAM80<br>K085.5.007 PAM90<br>K085.5.008 PAM100 |

|            | b1 | c1 | d1                                     | e1 | f1  | l1  | m1  | n1  | t2 | o1    |
|------------|----|----|--|----|-----|-----|-----|-----|----|-------|
| Standard   | 8  | 60 | 30 <sup>-0.005</sup> <sub>-0.020</sub> | 65 | 127 | 255 | 134 | 199 | 33 | M8x20 |
| On request | 8  | 60 | 28 <sup>-0.005</sup> <sub>-0.020</sub> | 65 | -   | -   | 134 | 199 | 31 | M8x20 |