

Technical Data Sheet  
 Gearbox  
 WORM GEARBOX SQUARE DESIGN



|                    |        |     |
|--------------------|--------|-----|
| MODEL              | Q85    |     |
| Ø OUTPUT SHAFT     | 35     | mm  |
| APPROXIMATE RATIO  | 7      |     |
| EXACT RATIO        | 7.00   |     |
| OUTPUT SPEED       | 209    | RPM |
| EXACT OUTPUT SPEED | 209    | RPM |
| INPUT POWER        | 3.00   | KW  |
| INPUT ROTATION     | 1400   | RPM |
| INPUT PAM          | 100B14 |     |
| OUTPUT TORQUE      | 126.05 | N.m |
| NOMINAL TORQUE     | 257.00 | N.m |
| NOMINAL POWER      | 6.1    | KW  |
| SERVICE FACTOR     | 2.03   |     |
| DYNAMIC EFFICIENCY | 0.88   |     |



Oil Quantity (L)

| B3/H1 | B6/H4 | B7/H3 | B8/H2 | V5/H5 | V6/H6 |
|-------|-------|-------|-------|-------|-------|
| 1.2   | 1.2   | 1.2   | 1.2   | 1.2   | 1.2   |

Radial and Axial Loads



| $n_2$ [min <sup>-1</sup> ] | FA [N] | FR [N] |
|----------------------------|--------|--------|
| 200                        | 500    | 2500   |
| 100                        | 600    | 3000   |
| 50                         | 800    | 4000   |
| 15                         | 1160   | 5800   |

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