

Technical Data Sheet  
Gearbox  
INLINE GEARBOX

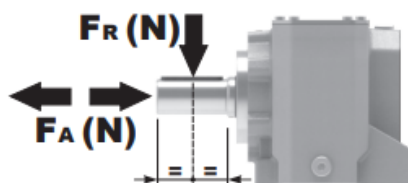


|                    |        |     |
|--------------------|--------|-----|
| MODEL              | 513A   |     |
| Ø OUTPUT SHAFT     | 30     | mm  |
| APPROXIMATE RATIO  | 55     |     |
| EXACT RATIO        | 54.73  |     |
| OUTPUT SPEED       | 27     | RPM |
| EXACT OUTPUT SPEED | 27     | RPM |
| INPUT POWER        | 0.37   | KW  |
| INPUT ROTATION     | 1400   | RPM |
| INPUT PAM          | 71B5   |     |
| OUTPUT TORQUE      | 129.84 | N.m |
| NOMINAL TORQUE     | 354.00 | N.m |
| NOMINAL POWER      | 1      | KW  |
| SERVICE FACTOR     | 2.70   |     |
| DYNAMIC EFFICIENCY | 0.94   |     |

Oil Quantity (L)

| B3/H1 | B6/H4 | B7/H3 | B8/H2 | V5/H5 | V6/H6 |
|-------|-------|-------|-------|-------|-------|
| 1     | 0.9   | 1.79  | 1.15  | 1.45  | 1.4   |

Radial and Axial Loads



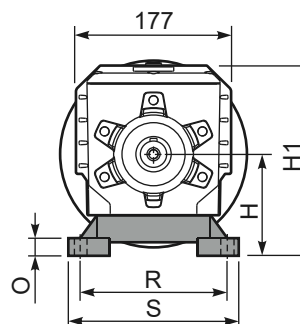
| $n_2$ [min-1] | FA [N] | FR [N] |
|---------------|--------|--------|
| 300           | 460    | 2300   |
| 200           | 520    | 2600   |
| 120           | 620    | 3100   |
| 15            | 1000   | 5000   |

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|                                         |             |                |
|-----------------------------------------|-------------|----------------|
| <b>Gearbox weight</b><br>peso riduttore | With flange | <b>11.9 kg</b> |
|                                         | With feet   | <b>12.1 Kg</b> |



| Feet Code | Market reference | G  | H   | R       | L     | S   | H1  | O  | øI | S2 only with motor flange | B5 max. Flange | kit code   |
|-----------|------------------|----|-----|---------|-------|-----|-----|----|----|---------------------------|----------------|------------|
| B3        | 312/3            | 18 | 110 | 160     | 130   | 190 | 211 | 20 | 11 | -                         | -              | KC50.9.024 |
| B4        | 30/35            | 20 | 130 | 180     | 149.5 | 216 | 231 | 18 | 14 | -                         | -              | KC60.9.024 |
| S4        | 47-57            | 30 | 115 | 135     | 165   | 170 | 216 | 25 | 14 | -                         | -              | KC50.9.022 |
| H3        | 023-233          | 30 | 130 | 135     | 135   | 185 | 231 | 25 | 14 | -                         | -              | KC50.9.025 |
| M2        | 52/3             | 30 | 110 | 135-150 | 100   | 190 | 211 | 18 | 11 | -                         | -              | KC50.9.023 |

 Most popular types  
Tipi più diffusi

The technical drawing illustrates the output shaft assembly with three main views:

- Front View (Left):** Shows a circular shaft with diameter  $\varnothing p1$ . A feature labeled "Detail Y" is indicated by a circle.
- Side View (Middle):** A cross-sectional view of the shaft assembly. Key dimensions include:
  - Total width: 8.5 with KC50.9.011
  - Internal step dimension: 2.5
  - Shaft diameter:  $d1$
  - Flange thickness:  $h1$
- End View (Right):** Shows the profile of the shaft and its connection to the motor housing. Dimensions include:
  - Overall length:  $a1$
  - Distance from end face to keyway:  $b1$
  - Key height:  $f7$
  - Housing bore diameter:  $\varnothing 15$
  - Motor frame width:  $K1$
  - Flange outer diameter:  $\varnothing g6$
  - Shaft diameter at bearing:  $\varnothing f1$
  - Bearing inner diameter:  $c1$
  - Distance from end face to bearing center: 57.5
  - Motor mounting flange diameter: 51.5 with KC50.9.011

|                           | Shaft - d1 | p1 | h1 | x      |
|---------------------------|------------|----|----|--------|
| Standard                  | ø 30x60    | 8  | 33 | M10x22 |
| On request<br>A richiesta | ø 24x50    | 8  | 27 | M8x19  |
|                           | ø 25x50    | 8  | 28 | M8x19  |
|                           | ø 28x60    | 8  | 31 | M8x19  |
|                           | ø 35x60    | 10 | 38 | M10x22 |

| a1 ø | b1  | c1   | e1  | f1  | s1 | kit code   |
|------|-----|------|-----|-----|----|------------|
| 160  | 110 | 14   | 130 | 3.5 | 11 | KC50.9.011 |
| 200  | 130 | 13   | 165 | 3.5 | 11 | KC50.9.012 |
| 250  | 180 | 15.5 | 215 | 4   | 14 | KC50.9.013 |

With flange and feet only on request. Ask for compatibility

[illegible]

| B14 Motor Flanges | A   | C <sub>max</sub> | g6  | k1    | kit code   | k1 with KC50.9.011 |
|-------------------|-----|------------------|-----|-------|------------|--------------------|
| 71 B14            | 236 | 197.5            | 105 | 238.5 | K063.4.047 | 244.5              |
| 80 B14            | 238 | 205              | 120 | 240.5 | K063.4.046 | 246.5              |
| 90 B14            | 238 | 215              | 140 | 240.5 | K063.4.041 | 246.5              |