

Technical Data Sheet  
Gearbox  
INLINE GEARBOX

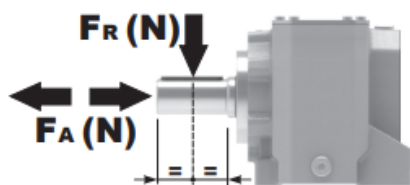


|                    |            |
|--------------------|------------|
| MODEL              | 513A       |
| Ø OUTPUT SHAFT     | 30 mm      |
| APPROXIMATE RATIO  | 84         |
| EXACT RATIO        | 83.59      |
| OUTPUT SPEED       | 17 RPM     |
| EXACT OUTPUT SPEED | 17 RPM     |
| INPUT POWER        | 0.25 KW    |
| INPUT ROTATION     | 1400 RPM   |
| INPUT PAM          | 71B14      |
| OUTPUT TORQUE      | 133.99 N.m |
| NOMINAL TORQUE     | 354.00 N.m |
| NOMINAL POWER      | 0.66 KW    |
| SERVICE FACTOR     | 2.64       |
| DYNAMIC EFFICIENCY | 0.94       |

Oil Quantity (L)

| B3/H1 | B6/H4 | B7/H3 | B8/H2 | V5/H5 | V6/H6 |
|-------|-------|-------|-------|-------|-------|
| 1     | 0.9   | 1.49  | 1.15  | 1.45  | 1.4   |

Radial and Axial Loads



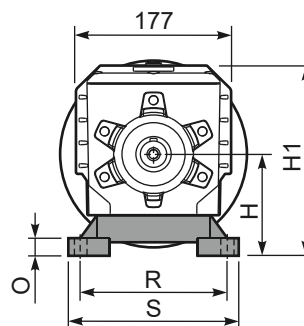
| $n_2$ [min-1] | $F_A$ [N] | $F_R$ [N] |
|---------------|-----------|-----------|
| 300           | 460       | 2300      |
| 200           | 520       | 2600      |
| 120           | 620       | 3100      |
| 15            | 1000      | 5000      |

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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  | Øl | 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

Technical drawing of the output shaft assembly. The drawing includes a front view on the left showing a circular shaft with a central hole of diameter  $p1$  and a mounting flange of diameter  $x$ . A circular detail callout labeled "Detail Y" shows a cross-section of the shaft with a diameter of  $d1$  and a height of  $h1$ . The shaft is mounted on a housing with a total width of  $8.5$  with KC50.9.011 and a specific feature width of  $2.5$ . The side view on the right shows the shaft with a total length of  $a1$ , a mounting flange of diameter  $b1$  and thickness  $f7$ , and a central shaft section of diameter  $f1$  and length  $c1$ . The shaft is mounted on a housing with a total width of  $51.5$  with KC50.9.011 and a specific feature width of  $57.5$ . The shaft is also shown with a diameter of  $15$  and a length of  $g6$ . The drawing is labeled "Available output shaft / Albero di uscita".

|                           | 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

Technical drawing of the B14 motor flange, showing side and front views with dimensions.

**Side View Dimensions:**

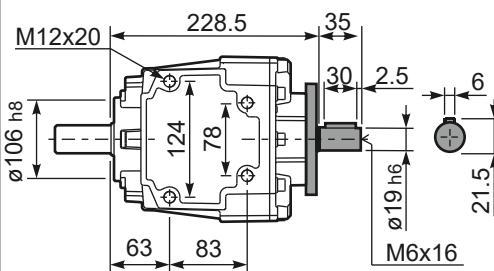
- Total length: 217.5
- Flange thickness: 9.6
- Motor flange diameter:  $\phi 123$
- Shaft diameter:  $\phi 30$  h6
- Shaft thread: M10x22
- Shaft length: 15.5
- Shaft diameter: 50
- Shaft diameter: 60
- Shaft diameter: 12
- Shaft diameter: 15
- Shaft diameter: 33
- Shaft diameter:  $\infty$

**Front View Dimensions:**

- Flange diameter: 170.5
- Flange thickness: 69.5
- Flange diameter:  $\phi 123$
- Flange diameter: 65°
- Flange diameter: 50°
- Flange diameter: N.5 M10x17

**Notes:**

- Suggested B14 motor flanges



| B5 Motor Flanges | A   | C <sub>max</sub> | g6  | k1    | kit code   | k1 with KC50.9.011 |
|------------------|-----|------------------|-----|-------|------------|--------------------|
| 63 B5            | 238 | 215              | 140 | 240.5 | K063.4.041 | 246.5              |
| 71 B5            | 236 | 225              | 160 | 238.5 | K063.4.042 | 244.5              |
| 80/90 B5         | 238 | 245              | 200 | 240.5 | K063.4.043 | 246.5              |

| <b>B14 Motor Flanges</b> | <b>A</b> | <b>C<sub>max</sub></b> | <b>g6</b> | <b>k1</b> | <b>kit code</b> | <b>k1 with KC50.9.011</b> |
|--------------------------|----------|------------------------|-----------|-----------|-----------------|---------------------------|
| 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                     |