

Technical Data Sheet  
Gearbox  
INLINE GEARBOX



|                    |            |
|--------------------|------------|
| MODEL              | 612A       |
| Ø OUTPUT SHAFT     | 35 mm      |
| APPROXIMATE RATIO  | 49         |
| EXACT RATIO        | 49.00      |
| OUTPUT SPEED       | 30 RPM     |
| EXACT OUTPUT SPEED | 30 RPM     |
| INPUT POWER        | 0.55 KW    |
| INPUT ROTATION     | 1400 RPM   |
| INPUT PAM          | 80B14      |
| OUTPUT TORQUE      | 176.47 N.m |
| NOMINAL TORQUE     | 400.00 N.m |
| NOMINAL POWER      | 1.2 KW     |
| SERVICE FACTOR     | 2.18       |
| DYNAMIC EFFICIENCY | 0.96       |

Oil Quantity (L)

| B3/H1 | B6/H4 | B7/H3 | B8/H2 | V5/H5 | V6/H6 |
|-------|-------|-------|-------|-------|-------|
| 0.8   | 1     | 1.2   | 1.2   | 1.3   | 1.35  |

Radial and Axial Loads



| $n_2$ [min-1] | FA [N] | FR [N] |
|---------------|--------|--------|
| 300           | 560    | 2800   |
| 200           | 640    | 3200   |
| 120           | 760    | 3800   |
| 15            | 1300   | 6500   |

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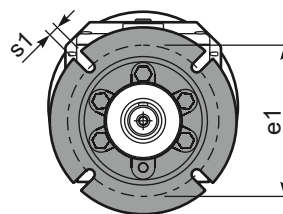
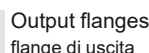
|                                         |             |                |
|-----------------------------------------|-------------|----------------|
| <b>Gearbox weight</b><br>peso riduttore | With flange | <b>14.1 kg</b> |
|                                         | With feet   | <b>14.5 kg</b> |



| Feet Code | Market reference | G  | H   | R       | L     | S   | H1  | O  | Øl | S2 only with motor flange | B5 max. Flange | kit code     |
|-----------|------------------|----|-----|---------|-------|-----|-----|----|----|---------------------------|----------------|--------------|
| B4        | 412/3            | 20 | 130 | 180     | 149.5 | 216 | 242 | 18 | 14 | -                         | -              | KC60.9.024   |
| S4        | 47-57            | 30 | 115 | 135     | 165   | 170 | 227 | 25 | 14 | 13 132B5                  | -              | KC50.9.022   |
| M3        | 62/3             | 35 | 120 | 170+185 | 110   | 230 | 232 | 20 | 14 | 8 132B5                   | -              | KC60.9.023   |
| S7        | 77               | 35 | 140 | 170     | 205   | 204 | 252 | 8  | 14 | -                         | -              | KC60.9.029LM |
| H4        | 024-243          | 35 | 155 | 170     | 150   | 225 | 267 | 30 | 14 | -                         | -              | KC60.9.025   |

**A see on page bottom**

 Most popular types  
Tipi più diffusi



**\*Available output shaft** / Albero di uscita

|                           | Shaft - d1 | p1 | h1 | x      |
|---------------------------|------------|----|----|--------|
| Standard                  | ø 35x70    | 10 | 38 | M10x22 |
| On request<br>A richiesta | ø 28x60    | 8  | 31 | M8x20  |
|                           | ø 30x60    | 8  | 33 | M10x22 |
|                           | ø 38x70    | 10 | 41 | M10x25 |
|                           | ø 40x80    | 12 | 43 | M12x28 |

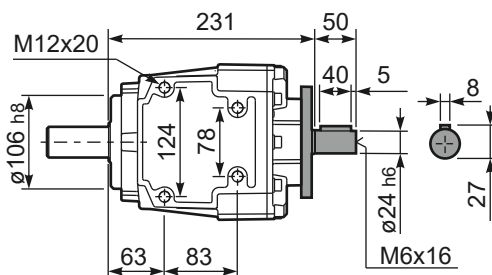
### Available output flanges / flange di uscita

| a1 Ø | b1  | c1   | e1  | f1  | s1 | kit code   |
|------|-----|------|-----|-----|----|------------|
| 160  | 110 | 14   | 130 | 3.5 | 11 | KC50.9.011 |
| 200  | 130 | 13   | 164 | 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

With flange and feet  
only on request.  
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Basic gearbox  
Riduttore base



| <b>B5 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> | <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 B5                   | 237.5    | 251.3                  | 160       | 240       | K023.4.041      | 246                       | 80 B14                   | 239.5    | 231.3                  | 120       | 242       | K085.4.046      | 248                       |
| 80/90 B5                | 239.5    | 271.3                  | 200       | 242       | K023.4.042      | 248                       | 90 B14                   | 239.5    | 241.3                  | 140       | 242       | K085.4.045      | 248                       |
| 100/112 B5              | 248.5    | 296.3                  | 250       | 251       | K023.4.043      | 257                       | 100/112 B14              | 248.5    | 251.3                  | 160       | 251       | K085.4.047      | 257                       |
| 132 B5                  | 269.5    | 321.3                  | 300       | 269       | KC51.4.043      | 275                       | 132 B14                  | 269.5    | 271.3                  | 200       | 269       | KC51.4.041      | 275                       |