

Technical Data Sheet  
Gearbox  
INLINE GEARBOX



|                    |        |     |
|--------------------|--------|-----|
| MODEL              | 302A   |     |
| Ø OUTPUT SHAFT     | 20     | mm  |
| APPROXIMATE RATIO  | 16     |     |
| EXACT RATIO        | 16.20  |     |
| OUTPUT SPEED       | 91     | RPM |
| EXACT OUTPUT SPEED | 90     | RPM |
| INPUT POWER        | 0.37   | KW  |
| INPUT ROTATION     | 1400   | RPM |
| INPUT PAM          | 71B5   |     |
| OUTPUT TORQUE      | 39.25  | N.m |
| NOMINAL TORQUE     | 107.00 | N.m |
| NOMINAL POWER      | 1      | KW  |
| SERVICE FACTOR     | 2.70   |     |
| DYNAMIC EFFICIENCY | 0.96   |     |

Oil Quantity (L)

| B3/H1 | B6/H4 | B7/H3 | B8/H2 | V5/H5 | V6/H6 |
|-------|-------|-------|-------|-------|-------|
| 0.15  | 0.15  | 0.15  | 0.15  | 0.15  | 0.15  |

Radial and Axial Loads



| $n_2$ [min-1] | $F_A$ [N] | $F_R$ [N] |
|---------------|-----------|-----------|
| 300           | 140       | 700       |
| 200           | 185       | 924       |
| 120           | 270       | 1350      |
| 70            | 340       | 1700      |

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Gearbox weight  
peso riduttore

With flange **3.5 kg**  
With feet **4.0 Kg**

P302A**B1**... With feet  
Con piedini



\*See the table of output shaft for the complete list of diameters

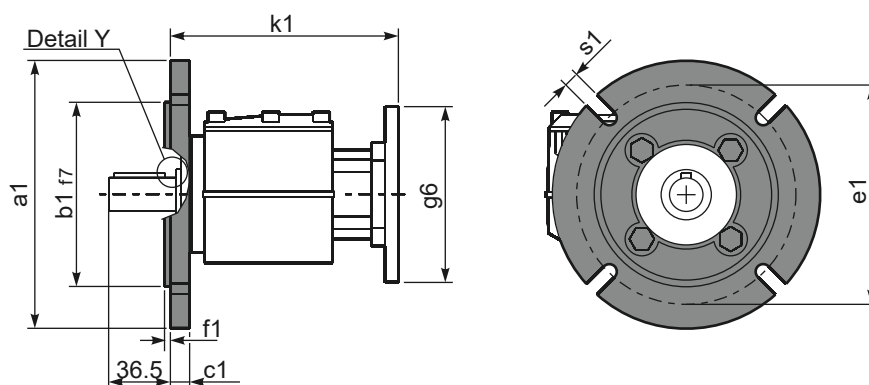
| Feet Code | Market reference | G  | H   | R   | L     | L1 | S   | H1  | O  | Ø  | S2 only with motor flange | B5 max. Flange | kit code     |
|-----------|------------------|----|-----|-----|-------|----|-----|-----|----|----|---------------------------|----------------|--------------|
| B1        | 112              | 18 | 85  | 110 | 87    | 50 | 130 | 133 | 15 | 9  | 15 80/90B5                | -              | KC30.9.022   |
| B2        | 212/3            | 18 | 100 | 130 | 107.5 | 60 | 155 | 145 | 5  | 11 | 3.5 80/90B5               | -              | KC30.9.023LM |
| S1        | 17-32            | 18 | 75  | 110 | 110   | 50 | 130 | 123 | 15 | 9  | 5 71B5                    | 71B5           | KC30.9.024   |

Other feet are available, see our web site  
Sono disponibili altri piedini, consulta il nostro sito web

**A see on page bottom**

Most popular types  
Tipi più diffusi

P302A-**F**... Output flanges  
flange di uscita



\*Available output shaft / Albero di uscita

|                           | Shaft - d1 | p1 | h1   | x     |
|---------------------------|------------|----|------|-------|
| Standard                  | Ø 20x40    | 6  | 22.5 | M8x19 |
| On request<br>A richiesta | Ø 14x30    | 5  | 16   | M6x16 |
|                           | Ø 16x40    | 5  | 18   | M6x16 |
|                           | Ø 19x40    | 6  | 21.5 | M6x16 |
|                           | Ø 24x50    | 8  | 27   | M8x19 |
|                           | Ø 25x50    | 8  | 28   | M8x19 |

Available output flanges / flange di uscita

| a1 Ø | b1  | c1   | e1  | f1  | s1 | kit code   |
|------|-----|------|-----|-----|----|------------|
| 120  | 80  | 11.5 | 100 | 3   | 9* | KC30.9.010 |
| 140  | 95  | 11.5 | 115 | 3   | 9  | KC30.9.011 |
| 160  | 110 | 11.5 | 130 | 3.5 | 9  | KC30.9.012 |
| 200  | 130 | 11.5 | 165 | 3.5 | 11 | KC30.9.013 |

\* Holes position  
Posizione fori



P302A-**N**... Basic gearbox  
Riduttore base



R302A-**N**... Input Shaft  
Albero in entrata



| B5 Motor Flanges | A     | C <sub>max</sub> | g6  | k1    | kit code   |
|------------------|-------|------------------|-----|-------|------------|
| 63 B5            | 151.7 | 170              | 140 | 155.2 | K063.4.041 |
| 71 B5            | 149.7 | 180              | 160 | 153.2 | K063.4.042 |
| 80/90 B5         | 151.7 | 200              | 200 | 155.2 | K063.4.043 |

| B14 Motor Flanges | A     | C <sub>max</sub> | g6  | k1    | kit code   |
|-------------------|-------|------------------|-----|-------|------------|
| 71 B14            | 149.7 | 152.5            | 105 | 153.2 | K063.4.047 |
| 80 B14            | 151.7 | 160              | 120 | 155.2 | K063.4.046 |
| 90 B14            | 151.7 | 170              | 140 | 155.2 | K063.4.041 |