

|                    |       |     |
|--------------------|-------|-----|
| MODEL              | 311A  |     |
| Ø OUTPUT SHAFT     | 14    | mm  |
| APPROXIMATE RATIO  | 5     |     |
| EXACT RATIO        | 4.62  |     |
| OUTPUT SPEED       | 292   | RPM |
| EXACT OUTPUT SPEED | 316   | RPM |
| INPUT POWER        | 0.55  | KW  |
| INPUT ROTATION     | 1400  | RPM |
| INPUT PAM          | 71B14 |     |
| OUTPUT TORQUE      | 15.95 | N.m |
| NOMINAL TORQUE     | 30.00 | N.m |
| NOMINAL POWER      | 0.97  | KW  |
| SERVICE FACTOR     | 1.76  |     |
| DYNAMIC EFFICIENCY | 0.92  |     |

#### Oil Quantity (L)

| B3/H1 | B6/H4 | B7/H3 | B8/H2 | V5/H5 | V6/H6 |
|-------|-------|-------|-------|-------|-------|
| 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   |

#### Radial and Axial Loads



| $n_2$ [min-1] | $F_A$ [N] | $F_R$ [N] |
|---------------|-----------|-----------|
| 700           | 120       | 640       |
| 400           | 160       | 800       |
| 200           | 200       | 1020      |
| 140           | 225       | 1120      |

**P311-F...** Output flange  
flange di uscita

Gearbox weight  
peso riduttore **2.50 kg**



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

|                           | Shaft - d1         | p1     | h1         | x              |
|---------------------------|--------------------|--------|------------|----------------|
| Standard                  | ø 14x30            | 5      | 16         | M5x13          |
| On request<br>A richiesta | ø 19x40<br>ø 24x40 | 6<br>8 | 21.5<br>27 | M6x16<br>M6x16 |

**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



**P311-H1...** With feet  
Con piedini



**R311-N...** Input Shaft  
Albero in entrata



**P311-N...** Basic gearbox  
Riduttore base



| B14 Motor Flanges | A     | g6  | k1    | kit code   |
|-------------------|-------|-----|-------|------------|
| 56 B14            | 103   | 80  | 106.5 | KC40.4.049 |
| 63 B14            | 105.5 | 90  | 109   | K050.4.047 |
| 71 B14            | 103   | 105 | 106.5 | K050.4.045 |

| B5 Motor Flanges | A     | g6  | k1    | kit code   |
|------------------|-------|-----|-------|------------|
| 63 B5            | 105.5 | 138 | 109   | K050.4.041 |
| 71 B5            | 103   | 160 | 106.5 | K050.4.042 |