

|                        |       |     |
|------------------------|-------|-----|
| MODELO                 | 302A  |     |
| Ø VEIO SAÍDA           | 20    | mm  |
| RÁCIO APROXIMADO       | 5.5   |     |
| RÁCIO EXATO            | 5.45  |     |
| VELOCIDADE SAÍDA       | 265   | RPM |
| VELOCIDADE SAÍDA EXATA | 268   | RPM |
| POTÊNCIA ENTRADA       | 0.75  | KW  |
| ROTAÇÃO ENTRADA        | 1400  | RPM |
| PAM ENTRADA            | 80B14 |     |
| TORQUE SAÍDA           | 26.77 | N.m |
| TORQUE NOMINAL         | 52.00 | N.m |
| POTÊNCIA NOMINAL       | 1.5   | KW  |
| FATOR SERVIÇO          | 2.00  |     |
| EFICIÊNCIA DINÂMICA    | 0.96  |     |

QUANTIDADE DE ÓLEO (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  |

CARGAS RADIAIS E AXIAIS



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

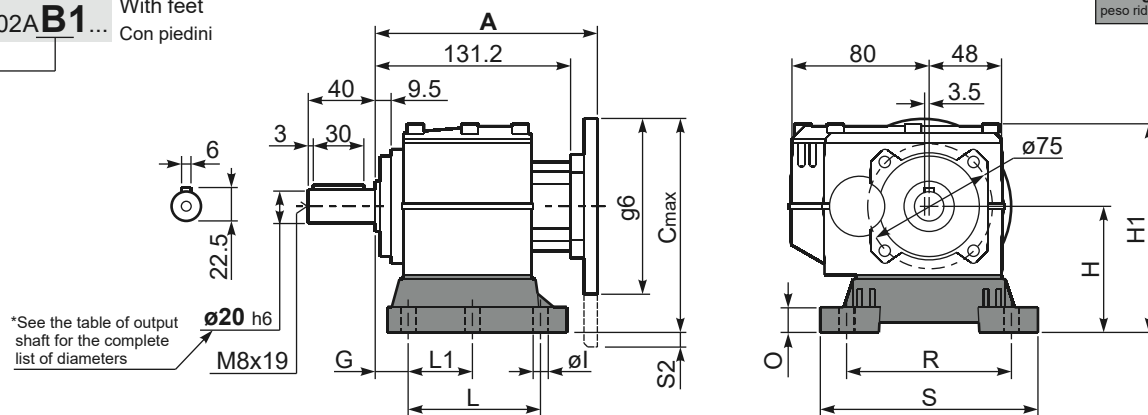
Universal Motors S.A.  
Rua Comendador Brandão, 484  
4495-375 Póvoa de Varzim  
[geral@universalmotors.pt](mailto:geral@universalmotors.pt)  
TEL.: 252 299 080

Universal Motors UK, Ltd  
Unit E2, Meltham Mills Road  
West Yorkshire HD9 4AR  
[enquiries@universalmotors-group.co.uk](mailto:enquiries@universalmotors-group.co.uk)  
TEL.: +44(0) 1484660222

Universal Motors SL  
C/La Habana n.6 nave 4 PI Camporoso  
28806 Alcala de Henares  
[info@universalmotors-group.es](mailto:info@universalmotors-group.es)  
TEL.: 918 864 213

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

|                                         |             |               |
|-----------------------------------------|-------------|---------------|
| <b>Gearbox weight</b><br>peso riduttore | With flange | <b>3.5 kg</b> |
|                                         | With feet   | <b>4.0 Kg</b> |



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

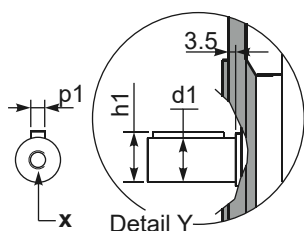
| Feet Code | Market reference | G  | H   | R   | L     | L1 | S   | H1  | O  | øI | S2 only with motor flange | B5 max. Flange | kit code     |
|-----------|------------------|----|-----|-----|-------|----|-----|-----|----|----|---------------------------|----------------|--------------|
| B1        | 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<br>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

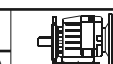


\* Holes position  
Posizione fori

| 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 |

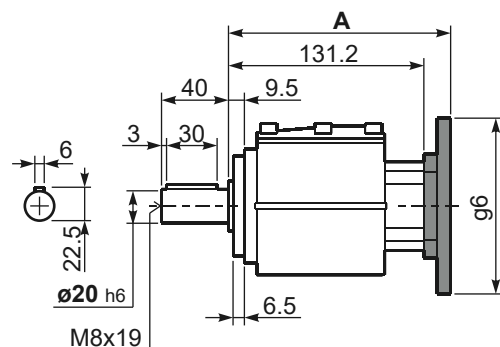


With flange and feet only on request. Ask for compatibility

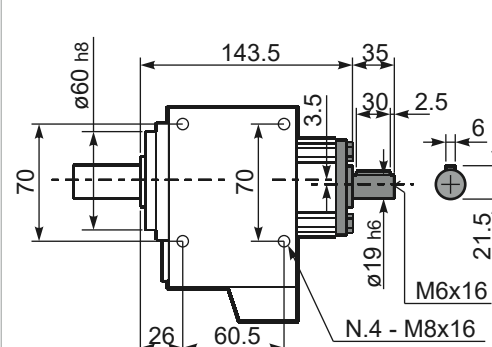


With flange and feet only on request. Ask for compatibility

|            |                                 |
|------------|---------------------------------|
| P302A-N... | Basic gearbox<br>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 |

| <b>B14 Motor<br/>Flanges</b> | <b>A</b> | <b>C<sub>max</sub></b> | <b>g6</b> | <b>k1</b> | <b>kit code</b> |
|------------------------------|----------|------------------------|-----------|-----------|-----------------|
| 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      |