

Technical Data Sheet  
Gearbox  
HELLICAL BEVEL



|                    |            |
|--------------------|------------|
| MODEL              | X42A       |
| Ø OUTPUT SHAFT     | 25 mm      |
| APPROXIMATE RATIO  | 29         |
| EXACT RATIO        | 29.21      |
| OUTPUT SPEED       | 50 RPM     |
| EXACT OUTPUT SPEED | 50 RPM     |
| INPUT POWER        | 0.37 KW    |
| INPUT ROTATION     | 1400 RPM   |
| INPUT PAM          | 71B5       |
| OUTPUT TORQUE      | 70.77 N.m  |
| NOMINAL TORQUE     | 150.00 N.m |
| NOMINAL POWER      | 0.78 KW    |
| SERVICE FACTOR     | 2.11       |
| DYNAMIC EFFICIENCY | 0.96       |

#### Oil Quantity (L)

| B3/H1 | B6/H4 | B7/H3 | B8/H2 | V5/H5 | V6/H6 |
|-------|-------|-------|-------|-------|-------|
| 0.6   | 0.75  | 0.5   | 0.7   | 1.1   | 0.6   |

#### Radial and Axial Loads



| $n_2$ [min-1] | FA [N] | FR [N] |
|---------------|--------|--------|
| 250           | 500    | 2500   |
| 100           | 700    | 3500   |
| 50            | 960    | 4800   |
| 15            | 960    | 4800   |

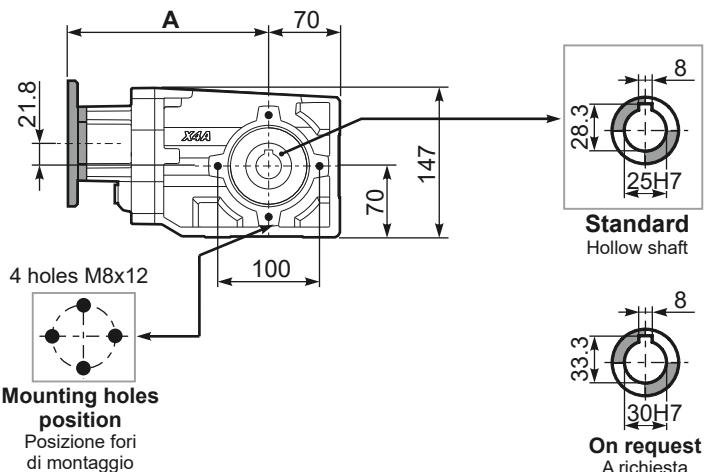
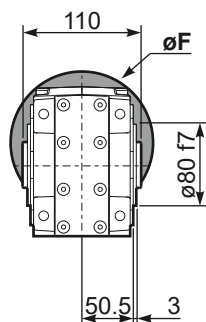
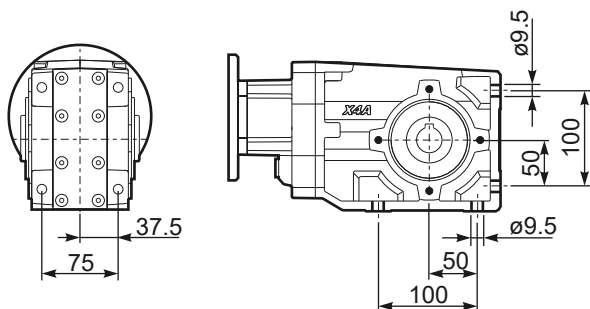
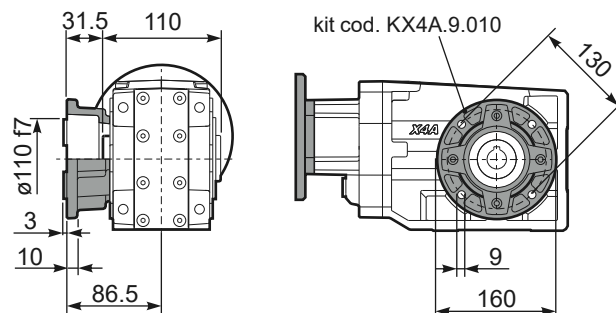
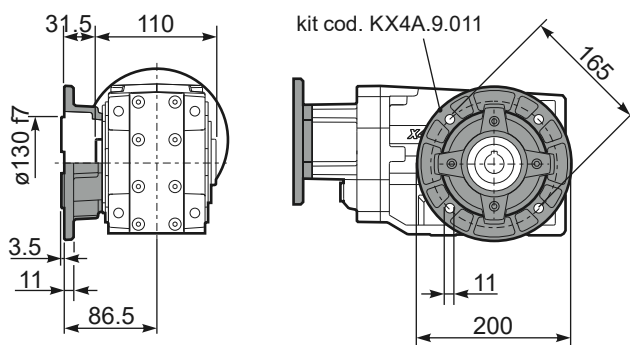
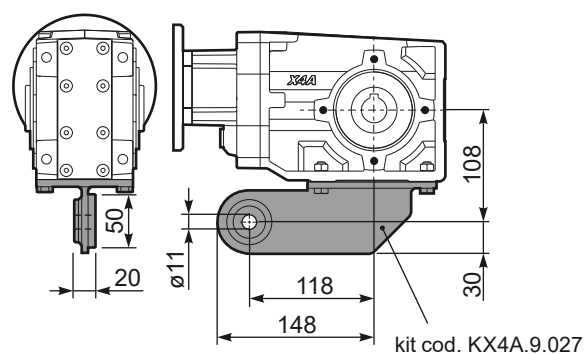
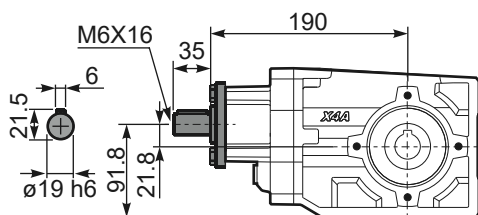
Universal Motors S.A.  
Rua Comendador Brandão, 484  
4495-375 Póvoa de Varzim  
[geral@universalmotors.pt](mailto:geral@universalmotors.pt)  
TEL.: 252 299 080

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

**PX42AC...**Basic Gearbox  
Riduttore baseGearbox  
weight  
peso riduttore**7.82 kg**

| M. flanges        | Kit code   | øF  | A     |
|-------------------|------------|-----|-------|
| <b>63B5</b>       | K063.4.041 | 140 | 199.5 |
| <b>71B5</b>       | K063.4.042 | 160 | 197.5 |
| <b>80/90B5</b>    | K063.4.043 | 200 | 199.5 |
| <b>100/112B5</b>  | KC40.4.043 | 250 | 214.3 |
| <b>71B14</b>      | K063.4.047 | 105 | 197.5 |
| <b>80B14</b>      | K063.4.046 | 120 | 199.5 |
| <b>90B14</b>      | K063.4.041 | 140 | 199.5 |
| <b>100/112B14</b> | KC40.4.041 | 160 | 214.5 |

**PX42A...FB..**Feet  
Piedini**PX42A...-F2..**Output flange  
Flangia uscita**PX42A...-F3..**Output flange  
Flangia uscita**PX42A...BR..**Reaction Arm  
Braccio di reazione**RX42A...**Input shaft  
Albero in entrata**PX42AA..**Single output shaft  
Albero semplice in uscita