

Technical Data Sheet  
Gearbox  
WORM GEARBOX SQUARE DESIGN



|                    |         |     |
|--------------------|---------|-----|
| MODEL              | M13     |     |
| Ø OUTPUT SHAFT     | 45      | mm  |
| APPROXIMATE RATIO  | 40      |     |
| EXACT RATIO        | 40.00   |     |
| OUTPUT SPEED       | 37      | RPM |
| EXACT OUTPUT SPEED | 37      | RPM |
| INPUT POWER        | 2.20    | KW  |
| INPUT ROTATION     | 1400    | RPM |
| INPUT PAM          | 100B5   |     |
| OUTPUT TORQUE      | 468.19  | N.m |
| NOMINAL TORQUE     | 1043.00 | N.m |
| NOMINAL POWER      | 4.9     | KW  |
| SERVICE FACTOR     | 2.23    |     |
| DYNAMIC EFFICIENCY | 0.78    |     |



#### Oil Quantity (L)

| B3/H1 | B6/H4 | B7/H3 | B8/H2 | V5/H5 | V6/H6 |
|-------|-------|-------|-------|-------|-------|
| 4.5   | 3.5   | 3.5   | 3.3   | 4.5   | 3.3   |

#### Radial and Axial Loads



| $n_2$ [min-1] | FA [N] | FR [N] |
|---------------|--------|--------|
| 200           | 960    | 4800   |
| 100           | 1240   | 6200   |
| 50            | 1560   | 7800   |
| 15            | 2400   | 12000  |

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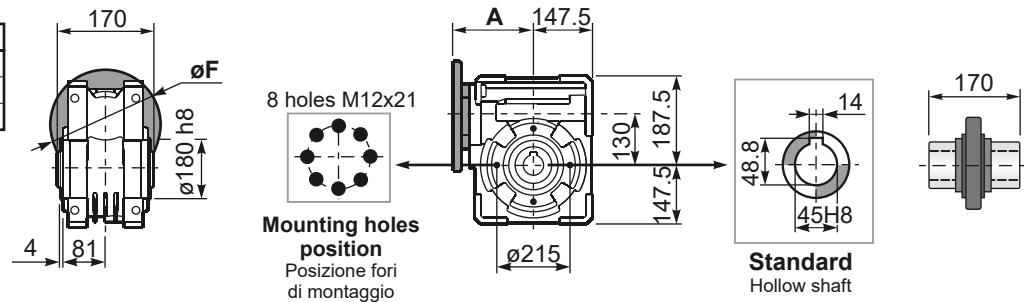
Universal Motors SL  
C/La Habana n.6 nave 4 PI Camporoso  
28806 Alcala de Henares  
[info@universalmotors-group.es](mailto:info@universalmotors-group.es)  
TEL.: 918 864 213

PM13FB...

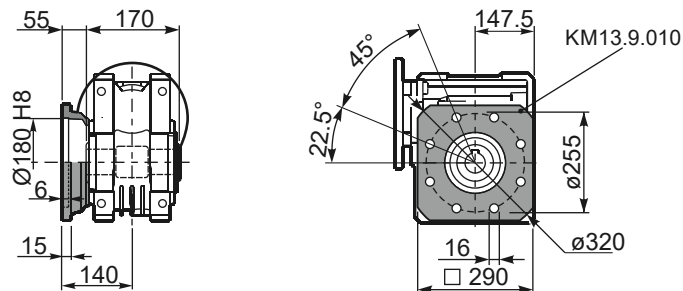
Basic wormbox  
Riduttore base

|                                         |                |
|-----------------------------------------|----------------|
| <b>Gearbox weight</b><br>peso riduttore | <b>48.0 kg</b> |
|-----------------------------------------|----------------|

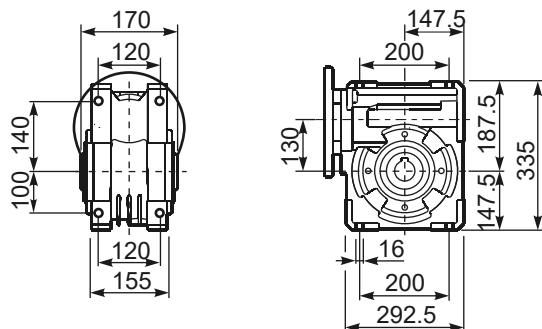
| M. flanges       | Kit code   | øF  | A   |
|------------------|------------|-----|-----|
| <b>90B5</b>      | KM13.4.041 | 200 | 180 |
| <b>100/112B5</b> | KM13.4.042 | 250 | 180 |
| <b>132B5</b>     | KM13.4.043 | 300 | 180 |

PM13**FC**...

Square flange  
Flangia quadrata

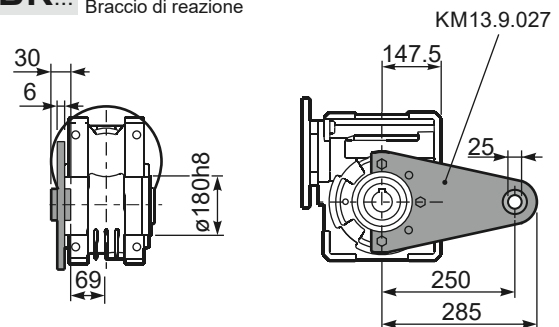


PM13FB...

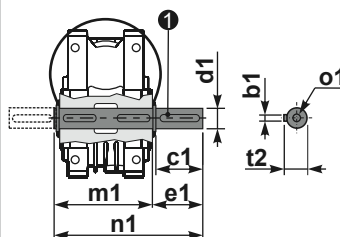
Feet  
Piedini

PM13BR...

Reaction arm  
Braccio di reazione

PM13....**S**...

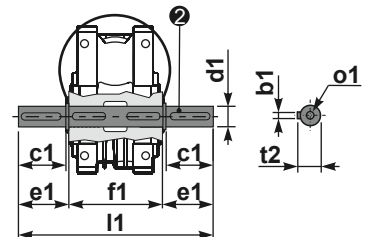
Single Shaft  
Albero lento semplice



① kit cod. KM13.5.028 type B

PM13....**D**...

Double Shaft  
• Albero lento bisp.



② kit cod. KM13.5.029 type B

[illegible]