

Technical Data Sheet  
Gearbox  
INLINE GEARBOX



|                    |            |
|--------------------|------------|
| MODEL              | 413A       |
| Ø OUTPUT SHAFT     | 25 mm      |
| APPROXIMATE RATIO  | 216        |
| EXACT RATIO        | 216.31     |
| OUTPUT SPEED       | 7 RPM      |
| EXACT OUTPUT SPEED | 7 RPM      |
| INPUT POWER        | 0.12 KW    |
| INPUT ROTATION     | 1400 RPM   |
| INPUT PAM          | 63B5       |
| OUTPUT TORQUE      | 166.43 N.m |
| NOMINAL TORQUE     | 138.00 N.m |
| NOMINAL POWER      | 0.1 KW     |
| SERVICE FACTOR     | 0.83       |
| DYNAMIC EFFICIENCY | 0.94       |

#### Oil Quantity (L)

| B3/H1 | B6/H4 | B7/H3 | B8/H2 | V5/H5 | V6/H6 |
|-------|-------|-------|-------|-------|-------|
| 0.3   | 0.35  | 0.45  | 0.45  | 0.45  | 0.55  |

#### Radial and Axial Loads



| $n_2$ [min-1] | $F_A$ [N] | $F_R$ [N] |
|---------------|-----------|-----------|
| 300           | 310       | 1550      |
| 200           | 360       | 1800      |
| 120           | 448       | 2240      |
| 70            | 540       | 2700      |

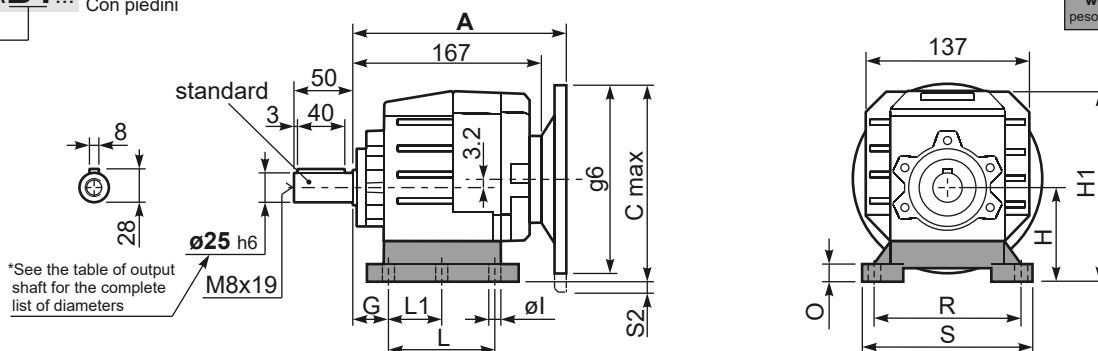
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P413A **B1** ... With feet  
Con piedini

|                                         |             |               |
|-----------------------------------------|-------------|---------------|
| <b>Gearbox weight</b><br>peso riduttore | With flange | <b>6.1 kg</b> |
|                                         | With feet   | <b>6.3 Kg</b> |



## Feet / piedi

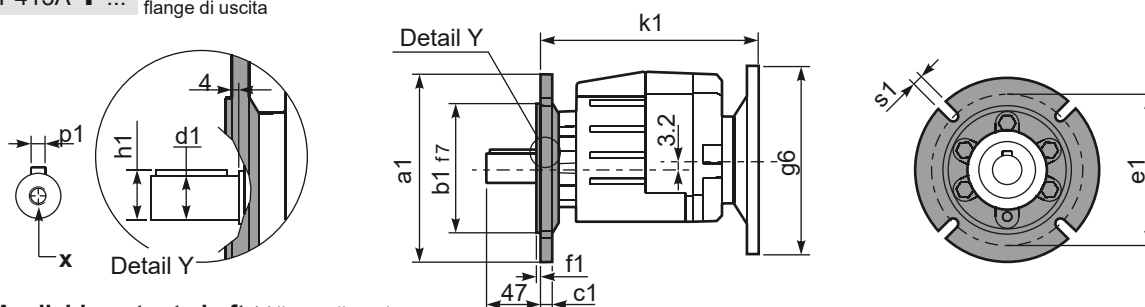
| Feet Code | Market reference | G  | H   | R       | L      | L1 | S   | H1    | O  | øI | S2 only with motor flange | B5 max. Flange | kit code   |
|-----------|------------------|----|-----|---------|--------|----|-----|-------|----|----|---------------------------|----------------|------------|
| B1        | 112              | 18 | 85  | 110     | 87     | 50 | 130 | 167.5 | 15 | -  | -                         | -              | KC35.9.021 |
| B2        | 212/3            | 18 | 100 | 130     | 107.5  | 60 | 155 | 182.5 | 17 | 11 | -                         | -              | KC40.9.025 |
| S1        | 17               | 18 | 75  | 110     | 90÷110 | 50 | 145 | 155.5 | 15 | 9  | 2 80/90B5                 | -              | KC40.9.022 |
| S2        | 27               | 25 | 90  | 110     | 130    | -  | 145 | 172.5 | 20 | 9  | -                         | -              | KC40.9.024 |
| H2        | 022-223          | 25 | 100 | 110     | 115    | -  | 145 | 182.5 | 20 | 9  | -                         | -              | KC40.9.026 |
| M1        | 42/3             | 25 | 80  | 110÷120 | 85     | -  | 145 | 162.5 | 15 | 9  | -                         | -              | KC40.9.023 |

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

**P413A-F ...** Output flanges  
flange di uscita



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

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

### Available output flanges / flange di uscita

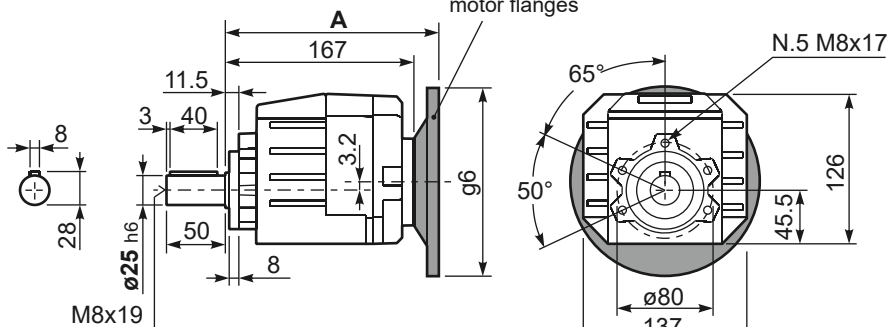
| a1 ø | b1  | c1   | e1  | f1  | s1 | kit code   |
|------|-----|------|-----|-----|----|------------|
| 120  | 80  | 10   | 100 | 3   | 7  | KC40.9.010 |
| 140  | 95  | 10   | 115 | 3   | 9  | KC40.9.011 |
| 160  | 110 | 10   | 130 | 3.5 | 9  | KC40.9.012 |
| 200  | 130 | 10   | 165 | 3.5 | 11 | KC40.9.013 |
| 250  | 180 | 11.5 | 215 | 3.5 | 14 | KC40.9.014 |

With flange and feet only on request. Ask for compatibility

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|            |                                 |
|------------|---------------------------------|
| P413A-N... | Basic gearbox<br>Riduttore base |
|------------|---------------------------------|

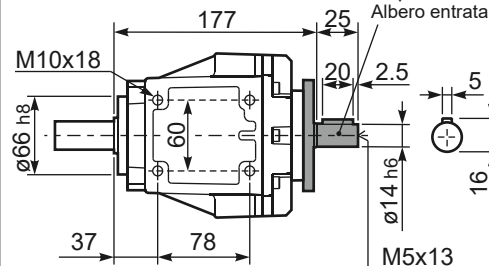
Suggested B14  
motor flanges



| <b>B5 Motor Flanges</b> | <b>A</b> | <b>C<sub>max</sub></b> | <b>g6</b> | <b>k1</b> | <b>kit code</b> |
|-------------------------|----------|------------------------|-----------|-----------|-----------------|
| <b>63 B5</b>            | 185.5    | 173.2                  | 140       | 189.5     | K050.4.041      |
| <b>71 B5</b>            | 183      | 183.2                  | 160       | 187       | K050.4.042      |

**R413A-N...** Input Shaft  
Albero in entrata

|     |    |                |
|-----|----|----------------|
|     |    | Input shaft    |
| 177 | 25 | Albero entrata |



| <b>B14 Motor Flanges</b> | <b>A</b> | <b>C<sub>max</sub></b> | <b>g6</b> | <b>k1</b> | <b>kit code</b> |
|--------------------------|----------|------------------------|-----------|-----------|-----------------|
| 56 B14                   | 183      | 143.2                  | 80        | 187       | KC40.4.049      |
| 63 B14                   | 185.5    | 148.2                  | 90        | 189.5     | K050.4.047      |
| 71 B14                   | 183      | 155.7                  | 105       | 187       | K050.4.045      |