

# Asynchronous motors

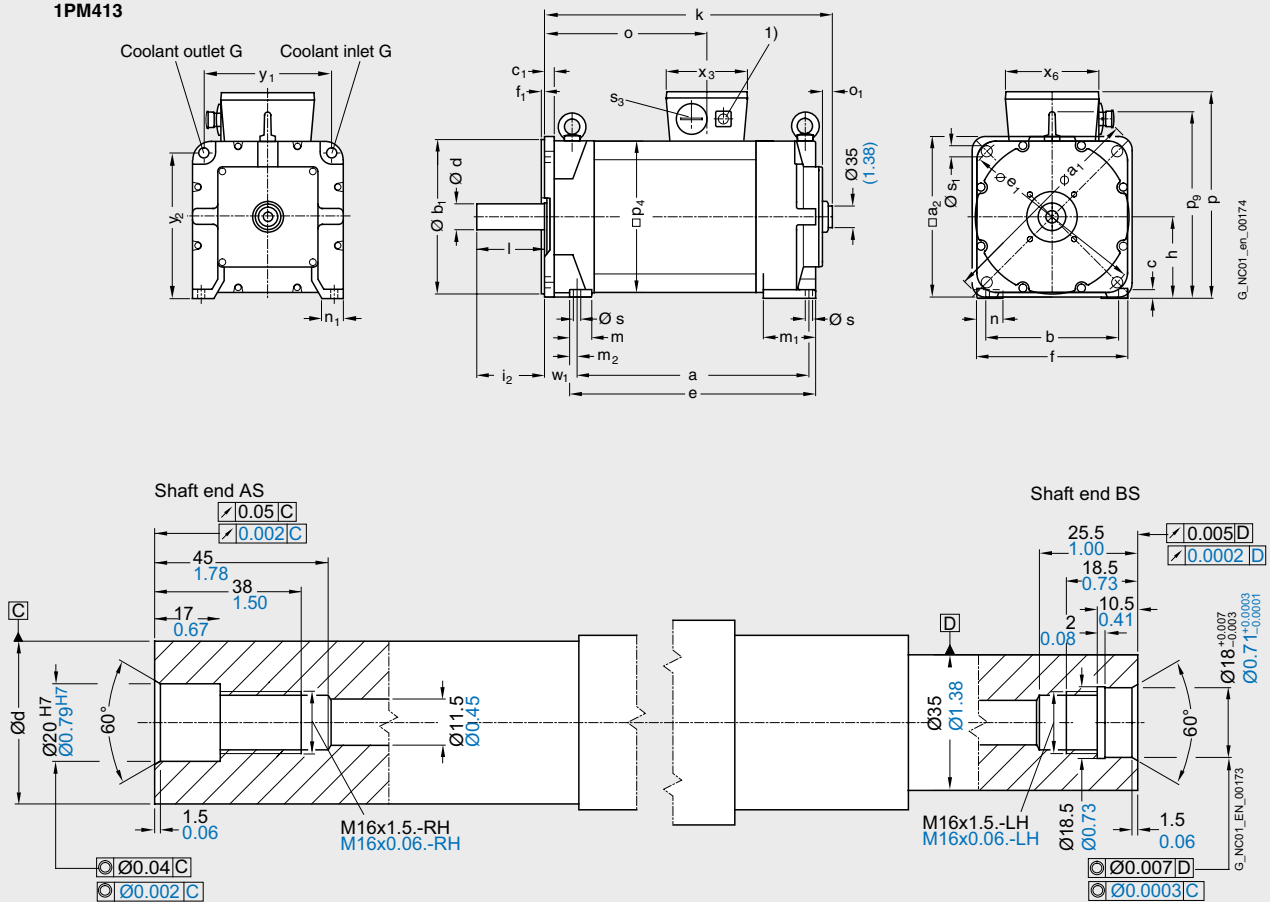
## Dimension drawings

### 1PM4 motors Water cooling

| For motor                        |         | Dimensions in mm (in) |                |                  |                  |               |                  |              |                   |                |                  |               |                  |      |               |                  |                |              |                  |                  |
|----------------------------------|---------|-----------------------|----------------|------------------|------------------|---------------|------------------|--------------|-------------------|----------------|------------------|---------------|------------------|------|---------------|------------------|----------------|--------------|------------------|------------------|
| Shaft height                     | Type    | DIN IEC               | a B            | a <sub>1</sub> P | a <sub>2</sub> – | b A           | b <sub>1</sub> N | c HA         | c <sub>1</sub> LA | e BB           | e <sub>1</sub> M | f AB          | f <sub>1</sub> T | G –  | h H           | i <sub>2</sub> – | k LB           | m BA         | m <sub>1</sub> – | m <sub>2</sub> – |
| 1PM4, type IM B35, water cooling |         |                       |                |                  |                  |               |                  |              |                   |                |                  |               |                  |      |               |                  |                |              |                  |                  |
| 100                              | 1PM4101 |                       | 304<br>(11.97) | 250<br>(9.84)    | 196<br>(7.72)    | 160<br>(6.30) | 180<br>(7.09)    | 11<br>(0.43) | 12<br>(0.47)      | 326<br>(12.83) | 215<br>(8.46)    | 190<br>(7.48) | 4<br>(0.16)      | G1/4 | 100<br>(3.94) | 80<br>(3.15)     | 389<br>(15.31) | 35<br>(1.38) | 60<br>(2.36)     | 11<br>(0.43)     |
|                                  | 1PM4105 |                       | 409<br>(16.10) |                  |                  |               |                  |              |                   | 431<br>(16.97) |                  |               |                  |      |               |                  | 494<br>(19.45) |              |                  |                  |
| 132                              | 1PM4133 |                       | 377<br>(14.84) | 350<br>(13.78)   | 260<br>(10.24)   | 216<br>(8.50) | 250<br>(9.84)    | 14<br>(0.55) | 16<br>(0.63)      | 400<br>(15.75) | 300<br>(11.81)   | 246<br>(9.59) | 5<br>(0.20)      | G3/8 | 132<br>(5.20) | 110<br>(4.33)    | 468<br>(18.43) | 36<br>(1.42) | 85<br>(3.35)     | 12<br>(0.47)     |
|                                  | 1PM4137 |                       | 497<br>(19.57) |                  |                  |               |                  |              |                   | 520<br>(20.47) |                  |               |                  |      |               |                  | 588<br>(23.15) |              |                  |                  |

| Motor        |         | Dimensions in mm (in) |              |                  |                |                  |                |                   |                  |              |                  |                  |  |                  |                |                |                  | DE shaft extension |              |               |
|--------------|---------|-----------------------|--------------|------------------|----------------|------------------|----------------|-------------------|------------------|--------------|------------------|------------------|--|------------------|----------------|----------------|------------------|--------------------|--------------|---------------|
| Shaft height | Type    | DIN IEC               | n AA         | n <sub>1</sub> – | o –            | o <sub>1</sub> – | p HD           | p <sub>4</sub> AC | p <sub>9</sub> – | s K          | s <sub>1</sub> S | s <sub>3</sub> – |  | w <sub>1</sub> C | x <sub>3</sub> | x <sub>6</sub> | y <sub>1</sub> – | y <sub>2</sub> –   | d D          | l E           |
| 100          | 1PM4101 |                       | 37<br>(1.46) | 35<br>(1.38)     | 199<br>(7.83)  | 18<br>(0.71)     | 259<br>(10.20) | 190<br>(7.48)     | 233<br>(9.17)    | 12<br>(0.47) | 14<br>(0.55)     | M32x1.5          |  | 44<br>(1.73)     | 117<br>(4.61)  | 122<br>(4.80)  | 154<br>(6.06)    | 177<br>(6.97)      | 38<br>(1.50) | 80<br>(3.15)  |
|              | 1PM4105 |                       |              |                  | 304<br>(12)    |                  |                |                   |                  |              |                  |                  |  |                  |                |                |                  |                    |              |               |
| 132          | 1PM4133 |                       | 43<br>(1.69) | 35<br>(1.38)     | 264<br>(10.39) | 16<br>(0.63)     | 335<br>(13.19) | 245<br>(9.65)     | 302<br>(11.89)   | 12<br>(0.47) | 18<br>(0.71)     | M40x1.5          |  | 53<br>(2.09)     | 132<br>(5.20)  | 152<br>(5.98)  | 206<br>(8.11)    | 235<br>(9.25)      | 42<br>(1.65) | 110<br>(4.33) |
|              | 1PM4137 |                       |              |                  | 384<br>(15.12) |                  |                |                   |                  |              |                  |                  |  |                  |                |                |                  |                    |              |               |

**1PM410  
1PM413**



<sup>1)</sup> Signal connection.