

# Water-cooled motors with air-to-water heat exchanger

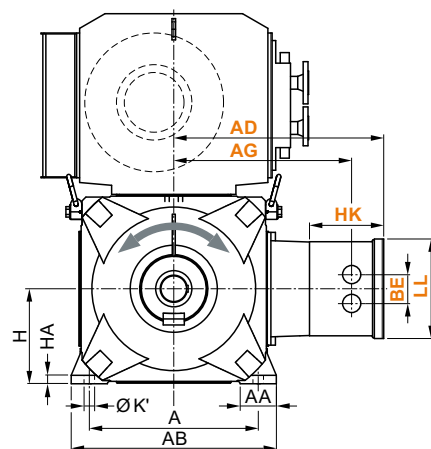
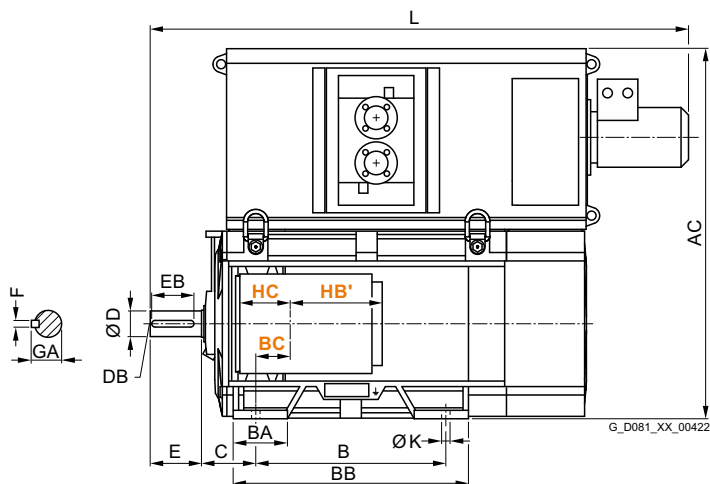
## Dimensions

### 1MN1 motors

#### Dimensional drawings

##### IM B3 type of construction

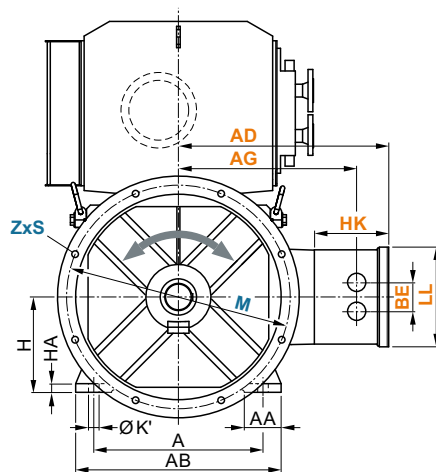
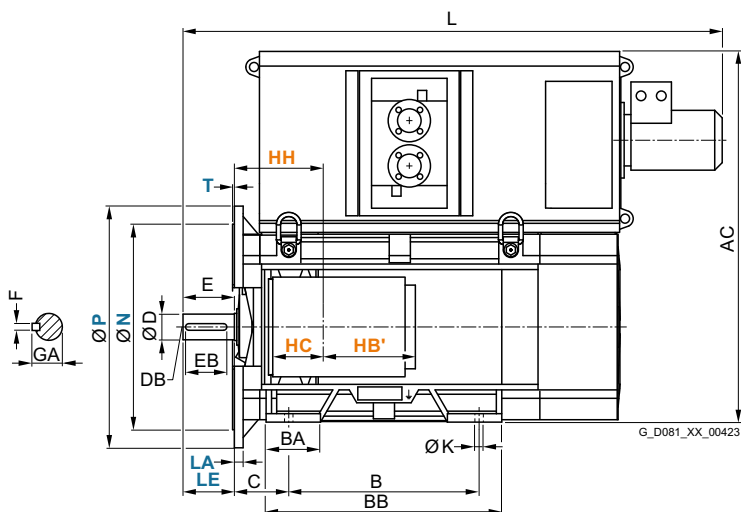
For terminal box dimensions, see Page 7/14.



##### IM B35, IM V1 types of construction

For flange dimensions, see Page 7/13 (Z = the number of retaining holes),

For terminal box dimensions, see Page 7/14



| Frame size | No. of poles | Motor type           | Dimension designation acc. to IEC |     |     |      |     |     |     |     |     |    |    |    |                 |     |     |     |     |    |     |
|------------|--------------|----------------------|-----------------------------------|-----|-----|------|-----|-----|-----|-----|-----|----|----|----|-----------------|-----|-----|-----|-----|----|-----|
|            |              |                      | A                                 | AA  | AB  | AC   | B   | BA  | BB  | C   | H   | HA | K  | K' | L <sup>1)</sup> | D   | DB  | E   | EB  | F  | GA  |
| 315        | 4, 6         | 1MN12...3A.1.-....   | 560                               | 120 | 680 | 1230 | 630 | 180 | 780 | 180 | 315 | 28 | 28 | 35 | 1785            | 85  | M20 | 170 | 140 | 22 | 90  |
|            |              | ● 1MN12...3A.3.-.... | 560                               | 120 | 680 | 1230 | 630 | 180 | 780 | 200 | 315 | 28 | 28 | 35 | 1805            | 95  | M24 | 170 | 140 | 25 | 100 |
|            |              | 1MN12...3A.5.-....   | 560                               | 120 | 680 | 1230 | 835 | 180 | 985 | 180 | 315 | 28 | 28 | 35 | 1925            | 85  | M20 | 170 | 140 | 22 | 90  |
|            |              | ● 1MN12...3A.7.-.... | 560                               | 120 | 680 | 1230 | 835 | 180 | 985 | 200 | 315 | 28 | 28 | 35 | 1945            | 95  | M24 | 170 | 140 | 25 | 100 |
| 355        | 4, 6         | 1MN12...3A.5.-....   | 630                               | 150 | 780 | 1470 | 800 | 220 | 980 | 200 | 355 | 35 | 35 | 42 | 2080            | 95  | M24 | 170 | 140 | 22 | 100 |
|            |              | ● 1MN12...3A.7.-.... | 630                               | 150 | 780 | 1470 | 800 | 220 | 980 | 224 | 355 | 35 | 35 | 42 | 2145            | 100 | M24 | 210 | 180 | 28 | 106 |

- Bearing design for increased cantilever forces, for type of construction IM B3 only.

<sup>1)</sup> With IM V1 type of construction, dimension L may increase due to a protective cover for the fan motor