

# Forced-air cooled motors – enclosed version

## Dimensions

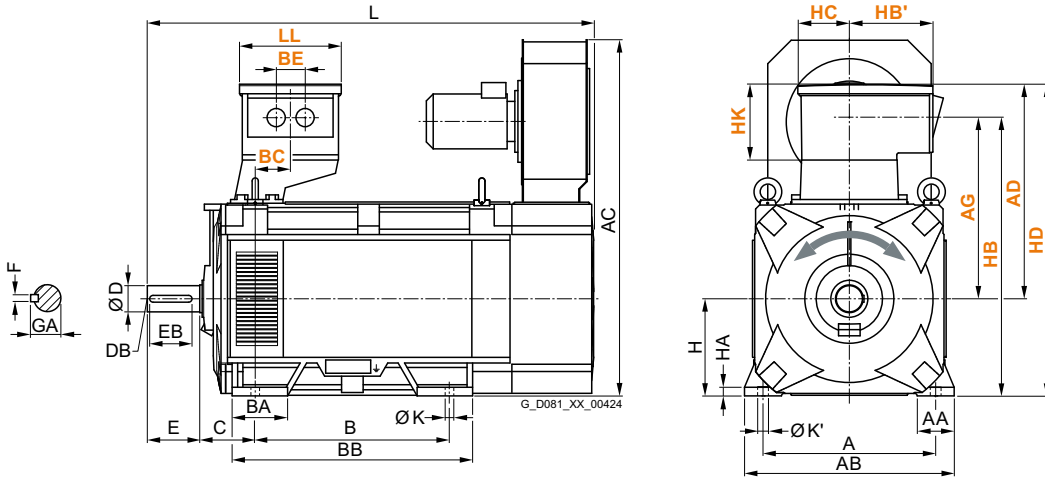
### 1LQ1 motors

### Radially mounted equipment unit

#### Dimensional drawings

##### IM B3 type of construction

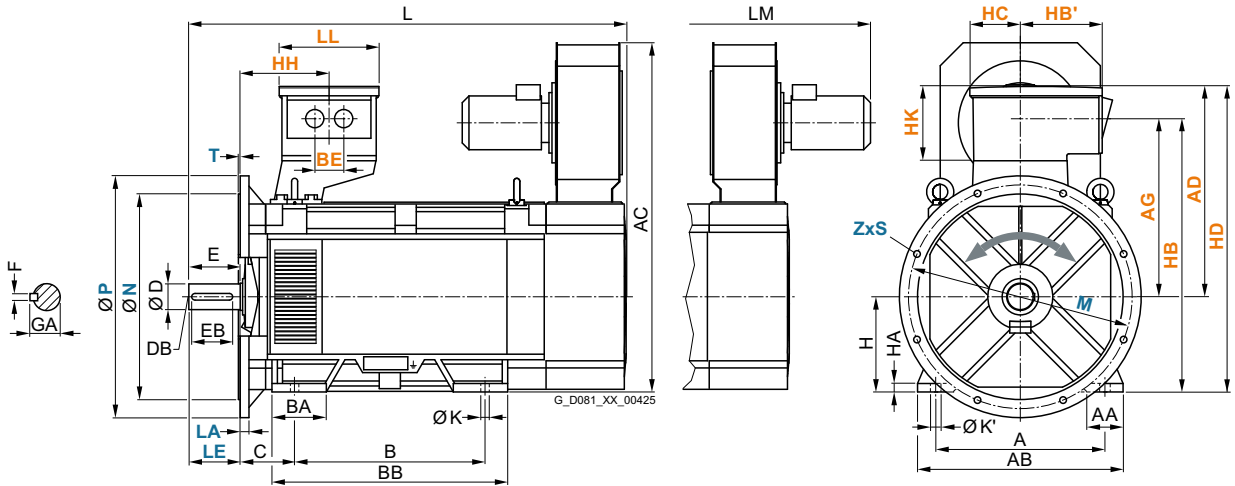
For terminal box dimensions, see Page 5/35.



##### IM B35 and IM V1 types of construction

For flange dimensions, see Page 5/34 (Z = the number of retaining holes),

For terminal box dimensions, see Page 5/35



| 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> | LM <sup>1)</sup> | D   | DB  | E   | EB  | F  | GA  |
| 315        | 4, 6         | 1LQ12...-3A.1.-..... | 560                               | 120 | 680 | 1155 | 630 | 180 | 780 | 180 | 315 | 28 | 28 | 35 | 1450            | 1670             | 85  | M20 | 170 | 140 | 22 | 90  |
|            |              | 1LQ12...-3A.3.-..... | ● 560                             | 120 | 680 | 1155 | 630 | 180 | 780 | 200 | 315 | 28 | 28 | 35 | 1470            | 1690             | 95  | M24 | 170 | 140 | 25 | 100 |
|            |              | 1LQ12...-3A.5.-..... | 560                               | 120 | 680 | 1155 | 835 | 180 | 985 | 180 | 315 | 28 | 28 | 35 | 1590            | 1810             | 85  | M20 | 170 | 140 | 22 | 90  |
|            |              | 1LQ12...-3A.7.-..... | ● 560                             | 120 | 680 | 1155 | 835 | 180 | 985 | 200 | 315 | 28 | 28 | 35 | 1610            | 1830             | 95  | M24 | 170 | 140 | 25 | 100 |
|            |              | 1LQ13...-3A.1.-..... | 560                               | 120 | 680 | 1245 | 630 | 180 | 780 | 180 | 315 | 28 | 28 | 35 | 1450            | 1765             | 85  | M20 | 170 | 140 | 22 | 90  |
|            |              | 1LQ13...-3A.3.-..... | ● 560                             | 120 | 680 | 1245 | 630 | 180 | 780 | 200 | 315 | 28 | 28 | 35 | 1470            | 1785             | 95  | M24 | 170 | 140 | 25 | 100 |
|            |              | 1LQ13...-3A.5.-..... | 560                               | 120 | 680 | 1245 | 835 | 180 | 985 | 180 | 315 | 28 | 28 | 35 | 1590            | 1905             | 85  | M20 | 170 | 140 | 22 | 90  |
|            |              | 1LQ13...-3A.7.-..... | ● 560                             | 120 | 680 | 1245 | 835 | 180 | 985 | 200 | 315 | 28 | 28 | 35 | 1610            | 1925             | 95  | M24 | 170 | 140 | 25 | 100 |
| 355        | 4, 6         | 1LQ12...-3A.5.-..... | 630                               | 150 | 780 | 1305 | 800 | 220 | 980 | 200 | 355 | 35 | 35 | 42 | 1725            | 1975             | 95  | M24 | 170 | 140 | 25 | 100 |
|            |              | 1LQ12...-3A.7.-..... | ● 630                             | 150 | 780 | 1305 | 800 | 220 | 980 | 224 | 355 | 35 | 35 | 42 | 1790            | 2040             | 100 | M24 | 210 | 180 | 28 | 106 |
|            |              | 1LQ13...-3A.5.-..... | 630                               | 150 | 780 | 1305 | 800 | 220 | 980 | 200 | 355 | 35 | 35 | 42 | 1725            | 2075             | 95  | M24 | 170 | 140 | 25 | 100 |
|            |              | 1LQ13...-3A.7.-..... | ● 630                             | 150 | 780 | 1305 | 800 | 220 | 980 | 224 | 355 | 25 | 35 | 42 | 1790            | 2140             | 100 | M24 | 210 | 180 | 28 | 106 |

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

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