

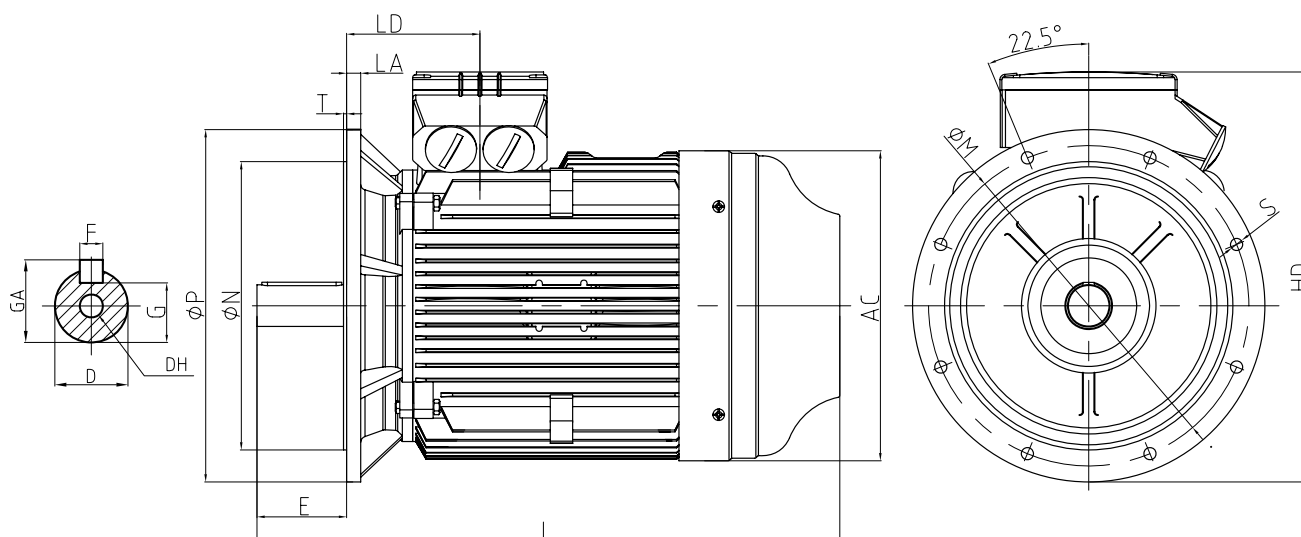
# WE280M-2 90KW 230/400V B5

## Three-phase asynchronous motor in cast iron

Motor type WE280M-2 90KW 230/400V B5  
 Brand BUSCK  
 Item number 83A22812

| Voltage V | Power kW | Frequency Hz | Current A | Speed rpm |
|-----------|----------|--------------|-----------|-----------|
| 230       | 90       | 50           | 261,3     | 2970      |
| 400       | 90       | 50           | 150,3     | 2970      |
| 460       | 103,5    | 60           | 150,3     | 3564      |

|                        |                    |                         |               |
|------------------------|--------------------|-------------------------|---------------|
| Duty                   | S1                 | Efficiency class        | IE2           |
| Enclosure              | IP55               | Efficiency, load 100%   | 94,5          |
| Insulation class       | F                  | Efficiency, load 75%    | 94,1          |
| Cooling                | IC411 (TEFC)       | Efficiency, load 50%    | 92,7          |
| Max. ambient temp.     | 40°C               | Power fact, load 100%   | 0,91          |
| Min. ambient temp.     | -20°C              |                         |               |
| Max. temp. rise        | 80 K               | Painting                | Standard      |
| Max altitude, masl     | 1000               | Color                   | RAL 9005      |
|                        |                    | Weight kg               | 545           |
| Torque, Nm             | 290                | Sound pressure Lp dB(A) | 79            |
| Starting torque ratio  | 2                  | Bearing DE              | 6314          |
| Pull out torque ratio  | 2,3                | Bearing NDE             | 6314          |
| Starting current ratio | 7,5                | Balance grade           | Normal        |
| Winding protection     | Thermistors        | Inertia kgm2            | 0,765         |
|                        |                    | Cable entries           | 2xM63 + 1xM16 |
| Note                   | IE2<br>axel 65x140 |                         |               |



| D  | E   | F  | G  | GA | DH  | M   | N   | P   | S    | T | AC  | HD  | LA | LD  | L    |
|----|-----|----|----|----|-----|-----|-----|-----|------|---|-----|-----|----|-----|------|
| 65 | 140 | 18 | 58 | 69 | M20 | 500 | 450 | 550 | 18.5 | 5 | 550 | 675 | 22 | 221 | 1020 |