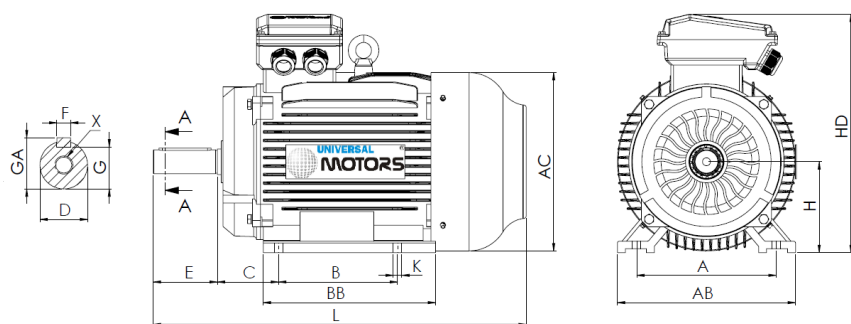


Technical Data Sheet  
Electric Motor Three phase in Cast Iron IE3



L (standard motor)

745

L (motor w/brake)

900

L (motor w/forced ventilation)

840

L (motor without ventilation)

650

| Feet |     |     |     |    | Shaft |     |    |      |      |        | Carcass |     |     |     | Flange |   |   |   |   |
|------|-----|-----|-----|----|-------|-----|----|------|------|--------|---------|-----|-----|-----|--------|---|---|---|---|
| H    | A   | B   | C   | K  | D     | E   | F  | G    | GA   | X      | AB      | BB  | AC  | HD  | M      | N | P | S | T |
| 180  | 279 | 241 | 121 | 15 | 48k6  | 110 | 14 | 42.5 | 51.5 | M16x36 | 355     | 298 | 355 | 455 | -      | - | - | - | - |

### Electrical Data

|                 |            |       |
|-----------------|------------|-------|
| Type            | PE30/UM3C* |       |
|                 | 180M-4     |       |
| Poles           | 4/1500     | Poles |
| Power           | 18.50      | Kw    |
| Voltage         | 400        | V     |
| Frequency       | 50         | Hz    |
| Speed           | 1475       | rpm   |
| Nominal current | 33.53      | A     |
| Power factor    | 0.86       |       |
| Efficiency 100% | 92.6       | %     |
| Efficiency 75%  | 93.0       | %     |
| Efficiency 50%  | 92.1       | %     |
| Torque          | 119.8      | N.m   |
| Ta/Tn           | 2          |       |
| Ia/In           | 7.8        |       |
| Tm/Tn           | 2.3        |       |

### Mechanical Data

|                       |            |       |
|-----------------------|------------|-------|
| Shaft height          | 180        |       |
| Construction form     | B3         |       |
| Mechanical protection | 55         |       |
| Heating class         | B          |       |
| Insulation class      | F          |       |
| Service               | S1         |       |
| Ambient temp.         | -10°C-40°C |       |
| Altitude              | 1000       |       |
| Noise                 | 76         | dB(A) |
| Weight                | 195        | kg    |
| Bearing DE            | 6311 C3    |       |
| Bearing NDE           | 6311 C3    |       |

### Extra Data

#### Applicable brakes

|          |      |              |     |     |
|----------|------|--------------|-----|-----|
| DC brake | K8D  | Brake torque | 400 | N.m |
| AC brake | AC8D | Brake torque | 400 | N.m |

#### Applicable forced ventilations

|                                 |       |    |   |
|---------------------------------|-------|----|---|
| Single-phase forced ventilation | Power | NA | W |
| Three-phase forced ventilation  | Power | 85 | W |