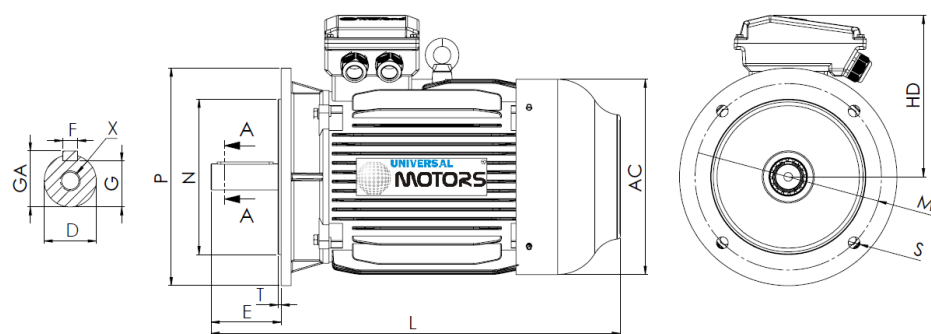


Technical Data Sheet  
Electric Motor Three phase in Cast Iron IE3



L (standard motor)

745

L (motor w/brake)

855

L (motor w/forced ventilation)

865

L (motor without ventilation)

655

| Feet |   |   |   |   | Shaft |     |    |    |    |        | Carcass |    |     |     | Flange |     |     |      |   |
|------|---|---|---|---|-------|-----|----|----|----|--------|---------|----|-----|-----|--------|-----|-----|------|---|
| H    | A | B | C | K | D     | E   | F  | G  | GA | X      | AB      | BB | AC  | HD  | M      | N   | P   | S    | T |
| -    | - | - | - | - | 42k6  | 110 | 12 | 37 | 45 | M16x36 | -       | -  | 315 | 255 | 300    | 250 | 350 | 4x19 | 5 |

### Electrical Data

|                 |                   |       |
|-----------------|-------------------|-------|
| Type            | PE30/UM3C* 160L-8 |       |
| Poles           | 8/750             | Poles |
| Power           | 7.50              | Kw    |
| Voltage         | 400               | V     |
| Frequency       | 50                | Hz    |
| Speed           | 720               | rpm   |
| Nominal current | 16.50             | A     |
| Power factor    | 0.75              |       |
| Efficiency 100% | 87.3              | %     |
| Efficiency 75%  | 87.6              | %     |
| Efficiency 50%  | 85.1              | %     |
| Torque          | 99.47             | N.m   |
| Ta/Tn           | 1.9               |       |
| Ia/In           | 6.0               |       |
| Tm/Tn           | 2                 |       |

### Mechanical Data

|                       |            |       |
|-----------------------|------------|-------|
| Shaft height          | -          |       |
| Construction form     | B5         |       |
| Mechanical protection | 55         |       |
| Heating class         | B          |       |
| Insulation class      | F          |       |
| Service               | S1         |       |
| Ambient temp.         | -10°C-40°C |       |
| Altitude              | 1000       |       |
| Noise                 | 68         | dB(A) |
| Weight                | 160        | kg    |
| Bearing DE            | 6309 C3    |       |
| Bearing NDE           | 6309 C3    |       |

### Extra Data

#### Applicable brakes

|          |     |              |     |     |
|----------|-----|--------------|-----|-----|
| DC brake | K8  | Brake torque | 200 | N.m |
| AC brake | AC8 | Brake torque | 200 | N.m |

#### Applicable forced ventilations

|                                 |       |    |   |
|---------------------------------|-------|----|---|
| Single-phase forced ventilation | Power | NA | W |
| Three-phase forced ventilation  | Power | 60 | W |