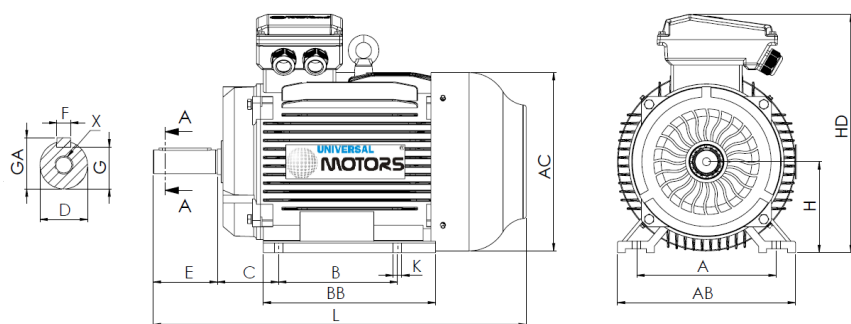


Technical Data Sheet  
Electric Motor Three phase in Cast Iron IE3



L (standard motor)

745

L (motor w/brake)

NA

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 |
| 160  | 254 | 254 | 108 | 15 | 42k6  | 110 | 12 | 37 | 45 | M16x36 | 320     | 305 | 315 | 420 | -      | - | - | - | - |

### Electrical Data

|                 |                   |       |
|-----------------|-------------------|-------|
| Type            | PE30/UM3C* 160L-2 |       |
| Poles           | 2/3000            | Poles |
| Power           | 18.50             | Kw    |
| Voltage         | 400               | V     |
| Frequency       | 50                | Hz    |
| Speed           | 2950              | rpm   |
| Nominal current | 32.50             | A     |
| Power factor    | 0.89              |       |
| Efficiency 100% | 92.4              | %     |
| Efficiency 75%  | 92.8              | %     |
| Efficiency 50%  | 91.6              | %     |
| Torque          | 59.9              | N.m   |
| Ta/Tn           | 2                 |       |
| Ia/In           | 8.2               |       |
| Tm/Tn           | 2.3               |       |

### Mechanical Data

|                       |            |       |
|-----------------------|------------|-------|
| Shaft height          | 160        |       |
| Construction form     | B3         |       |
| Mechanical protection | 55         |       |
| Heating class         | B          |       |
| Insulation class      | F          |       |
| Service               | S1         |       |
| Ambient temp.         | -10°C-40°C |       |
| Altitude              | 1000       |       |
| Noise                 | 81         | dB(A) |
| Weight                | 161        | kg    |
| Bearing DE            | 6309 C3    |       |
| Bearing NDE           | 6309 C3    |       |

### Extra Data

#### Applicable brakes

|          |    |              |    |     |
|----------|----|--------------|----|-----|
| DC brake | NA | Brake torque | NA | N.m |
| AC brake | NA | Brake torque | NA | N.m |

#### Applicable forced ventilations

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