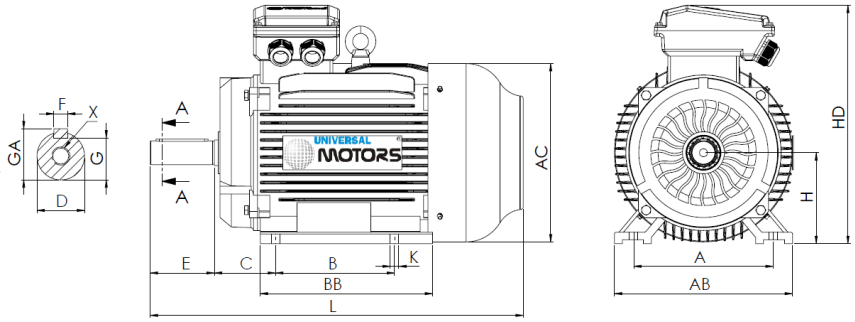
Technical Data Sheet
Electric Motor Three phase in Cast Iron IE2




L (standard motor)
1030

L (motor w/brake)
1240

L (motor w/forced ventilation)
1185

L (motor without ventilation)
910

| Feet | | | | | Shaft | | | | | | Carcass | | | | Flange | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| H | A | B | C | K | D | E | F | G | GA | X | AB | BB | AC | HD | M | N | P | S | T |
| 280 | 457 | 368 | 190 | 14 | 75m6 | 140 | 20 | 67.5 | 79.5 | M20x42 | 550 | 485 | 547 | 680 | - | - | - | - | - |

## Electrical Data

| | | |
|---|---|---|
| Type | HE30 280S-6 | |
| Poles | 6/1000 | Poles |
| Power | 45.00 | Kw |
| Voltage | 400 | V |
| Frequency | 50 | Hz |
| Speed | 980 | rpm |
| Nominal current | 82.44 | A |
| Power factor | 0.85 | |
| Efficiency 100% | 92.7 | % |
| Efficiency 75% | 93.0 | % |
| Efficiency 50% | 92.4 | % |
| Torque | 438.49 | N.m |
| Ta/Tn | 2.1 | |
| Ia/In | 7.2 | |
| Tm/Tn | 2 | |

## Mechanical Data

| | | |
|---|---|---|
| Shaft height | 280 | |
| Construction form | B3 | |
| Mechanical protection | 55 | |
| Heating class | B | |
| Insulation class | F | |
| Service | S3-70% | |
| Ambient temp. | -10ºC-40ºC | |
| Altitude | 1000 | |
| Noise | 78 | dB(A) |
| Weight | 521 | kg |
| Bearing DE | 6317 C3 | |
| Bearing NDE | 6317 C3 | |

## Extra Data

**Applicable brakes**

| | | | | |
|---|---|---|---|---|
| DC brake | K10D | Brake torque | 1000/1500 | 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 | 270 | W |


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