



MOTOR DATA SHEET

MOTOR PART CODE:

45.063TECCB5-IE3

FRAME SIZE:

280S-6

| | 50Hz |
|-----------------------|---------------|
| Output (kW) | 45 |
| Rotation Speed (rpm) | 980 |
| Voltage | 400/690 |
| Full Load Current (A) | 83.52 48.22 |
| Full Load Torque (Nm) | 438.5 |

| | 60Hz |
|-----------------------|---------------|
| Output (kW) | 54 |
| Rotation Speed (rpm) | 1176 |
| Voltage | 480 828 |
| Full Load Current (A) | 83.52 48.22 |
| Full Load Torque (Nm) | 365.42 |

Efficiency Data

| 100% | 75% | 50% |
|------|------|------|
| 93.7 | 94.6 | 92.7 |

| | |
|--------------------|--------------|
| Factory Reference | T3C 280S-6 |
| Tst/Tn (times) | 2.5 |
| Tmax/Tn | 2.8 |
| Noise (dB) | 80 |
| Moment of inertia | 2.20274 |
| Type of feet | Not Fitted |
| Protection | IP55 |
| Rotation Direction | F / R |
| Cable Glands | 2 - M50× 1.5 |
| Paint Colour | RAL 7024 |
| Efficiency | IE3 |
| Bearing (DE) | 6316 C3 |

| | |
|---------------------|----------------|
| Power Factor (cos) | 0.83 |
| Tmin/Tn | 1.8 |
| Ist/In (Times) | 10 |
| Net Weight (Kg) | 551 |
| Housing material | Cast Iron |
| Insulation Class | F |
| Thermal Protection | PTC 140°C |
| Duty Cycle | S1 |
| Cooling | IC411 |
| Ambient Temperature | -20°C to +40°C |
| Bearing Brand | NSK |
| Bearing (NDE) | 6316 C3 |

Motors designed and manufactured in accordance with:

**IEC 60034
IEC 60038
IEC 60072
2014/30/EU (EMC)
2014/35/EU (LVD)
2011/65/EU (RoHS 2)**

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