



## MOTOR DATA SHEET

**MOTOR PART CODE:**

**45.083TECCB35**

**FRAME SIZE:**

**280M-8**

**50Hz**

|                       |               |
|-----------------------|---------------|
| Output (kW)           | 45            |
| Rotation Speed (rpm)  | 740           |
| Voltage               | 400   690     |
| Full Load Current (A) | 89.37   51.59 |
| Full Load Torque (Nm) | 580.7432432   |

**60Hz**

|                       |               |
|-----------------------|---------------|
| Output (kW)           | 54            |
| Rotation Speed (rpm)  | 888           |
| Voltage               | 480   828     |
| Full Load Current (A) | 89.37   51.59 |
| Full Load Torque (Nm) | 483.95        |

### Efficiency Data

| 100% | 75%  | 50%  |
|------|------|------|
| 92   | 92.3 | 90.8 |

|                    |                |
|--------------------|----------------|
| Factory Reference  | T1C 280M-8     |
| Tst/Tn (times)     | 1.9            |
| Tmax/Tn            | 2              |
| Noise (dB)         | 76             |
| Moment of inertia  | 2.26007525     |
| Type of feet       | Removable feet |
| Protection         | IP55           |
| Rotation Direction | F / R          |
| Cable Glands       | 2 - M50× 1.5   |
| Paint Colour       | RAL 7024       |
| Efficiency         | IE1            |
| Bearing (DE)       | 6316 C3        |

|                     |                |
|---------------------|----------------|
| Power Factor (cos)  | 0.79           |
| Tmin/Tn             | 1              |
| Ist/In (Times)      | 6.6            |
| Net Weight (Kg)     | 575            |
| 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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