



# 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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