

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel High Efficiency Three-Phase
Product code : 13248530
Catalog # : 00336AP3EAF145TZ-S

Frame	: 143/5TZ	Locked rotor time	: 16s (cold) 9s (hot)
Output	: 3 HP (2.2 kW)	Temperature rise	: 80 K
Poles	: 2	Duty cycle	: Cont.(S1)
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C
Rated voltage	: 208-230/460 V	Altitude	: 1000 m.a.s.l.
Rated current	: 7.85-7.10/3.55 A	Protection degree	: IP55
L. R. Amperes	: 65.9-59.6/29.8 A	Cooling method	: IC410 - TEAO
LRC	: 8.4x(Code J)	Mounting	: F-1
No load current	: 0.000-2.60/1.30 A	Rotation ¹	: Both (CW and CCW)
Rated speed	: 3480 rpm	Starting method	: Direct On Line
Slip	: 3.33 %		
Rated torque	: 4.47 ft.lb		
Locked rotor torque	: 270 %		
Breakdown torque	: 330 %		
Insulation class	: F		
Service factor	: 1.15		
Moment of inertia (J)	: A		
Design			

Output	25%	50%	75%	100%
Efficiency (%)	0.000	84.0	85.5	85.5
Power Factor	0.00	0.78	0.87	0.91

Notes

This revision replaces and cancel the previous one, which must be eliminated.

- (1) Looking the motor from the shaft end.
- (2) Measured at 1m and with tolerance of +3dB(A).
- (4) At 100% of full load.

These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG-1.

Rev.	Changes Summary	Performed	Checked	Date
Performed by				
Checked by				
Date	24/01/2018			

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