

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel Grain Dryer Standard Efficiency Three-Phase Product code : 13248537
Catalog # : 00456AP3EGD145TZ-S

Frame	: 143/5TZ	Locked rotor time	: 14s (cold) 8s (hot)
Output	: 3 HP (2.22 kW)	Temperature rise	: 105 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	: 8.87-8.02/4.01 A	Protection degree	: IP55
L. R. Amperes	: 97.6-88.2/44.1 A	Cooling method	: IC418 - TEAO
LRC	: 11.0x(Code N)	Mounting	: F-3
No load current	: 0.000-4.52/2.26 A	Rotation ¹	: CCW
Rated speed	: 3525 rpm	Starting method	: Direct On Line
Slip	: 2.08 %	Approx. weight ³	: 43.7 lb
Rated torque	: 4.47 ft.lb		
Locked rotor torque	: 409 %		
Breakdown torque	: 509 %		
Insulation class	: F		
Service factor	: 1.00		
Moment of inertia (J)	: 0.1471 sq.ft.lb		
Design	: B		

Output	25%	50%	75%	100%	Foundation loads					
Efficiency (%)	0.000	77.7	82.1	82.1	84.1	83.8 83.9	Max. traction	: 173 lb		
	0.000									
Power Factor	0.00	0.00	0.63	0.76	0.76	0.86	0.83	0.90	Max. compression	: 217 lb

		<u>Drive end</u>	<u>Non drive end</u>
Bearing type	:	6205 ZZ	6203 ZZ
Sealing	:	V'Ring	Without Bearing Seal
Lubrication interval	:	0 h	0 h
Lubricant amount	:	0 g	0 g
Lubricant type	:	Mobil Polyrex EM	

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).
- (3) Approximate weight subject to changes after manufacturing process.
- (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.

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Customer :

Thermal protection

ID	Application	Type	Quantity	Sensing Temperature
1	Winding	Thermostat - 2 wires	1 x Phase	155 °C

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