

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel Grain Dryer Standard Efficiency Three-Phase Product code : 13667477
Catalog # : 01536AP3EGD215TZ-S

Frame	: 213/5TZ	Locked rotor time	: 12s (cold) 7s (hot)
Output	: 10 HP (7.5 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	: 27.0-24.4/12.2 A	Protection degree	: IP55
L. R. Amperes	: 197-178/89.1 A	Cooling method	: IC418 - TEAO
LRC	: 7.3x(Code H)	Mounting	: F-3
No load current	: 13.7-12.4/6.20 A	Rotation ¹	: CCW
Rated speed	: 3550 rpm	Noise level ²	: 70.0 dB(A)
Slip	: 1.39 %	Starting method	: Direct On Line
Rated torque	: 14.8 ft.lb	Approx. weight ³	: 139 lb
Locked rotor torque	: 350 %		
Breakdown torque	: 459 %		
Insulation class	: F		
Service factor	: 1.00		
Moment of inertia (J)	: 0.6787 sq.ft.lb		
Design	: B		

Output	50%	75%	100%	Foundation loads	
Efficiency (%)	90.9 91.8	92.3 91.8	92.5 91.0	Max. traction	: 298 lb
Power Factor	0.63 0.76	0.76 0.85	0.82 0.88	Max. compression	: 436 lb

		<u>Drive end</u>	<u>Non drive end</u>
Bearing type	:	6208 ZZ	6206 ZZ
Sealing	:	V'Ring	Without Bearing Seal
Lubrication interval	:	-	-
Lubricant amount	:	-	-
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.

Rev.	Changes Summary	Performed	Checked	Date
Performed by		Page Revision 1 / 2		
Checked by				
Date	26/03/2024			

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Thermal protection

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

Rev.	Changes Summary		Performed	Checked	Date
Performed by				Page 2 / 2Revision	
Checked by					
Date	26/03/2024				