

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 NEMA Premium Efficiency Three-Phase Product code : 13500651
Catalog # : 35009ET3GKD586/7-W22

Frame	: 586/7T	Locked rotor time	: 61s (cold) 34s (hot)
Output	: 350 HP (260 kW)	Temperature rise	: 80 K
Poles	: 8	Duty cycle	: Cont.(S1)
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C
Rated voltage	: 460 V	Altitude	: 1000 m.a.s.l.
Rated current	: 426 A	Protection degree	: IP55
L. R. Amperes	: 2726 A	Cooling method	: IC411 - TEFC
LRC	: 6.4x(Code G)	Mounting	: F-1
No load current	: 190 A	Rotation ¹	: Both (CW and CCW)
Rated speed	: 895 rpm	Noise level ²	: 75.0 dB(A)
Slip	: 0.56 %	Starting method	: Direct On Line
Rated torque	: 2030 ft.lb	Approx. weight ³	: 4493 lb
Locked rotor torque	: 160 %		
Breakdown torque	: 229 %		
Insulation class	: F		
Service factor	: 1.00		
Moment of inertia (J)			

Output	25%	50%	75%	100%	Foundation loads	
Efficiency (%)	95.3	95.4	95.8	95.8	Max. traction	: 7476 lb
Power Factor	0.39	0.64	0.75	0.80	Max. compression	: 11969 lb

		<u>Drive end</u>	<u>Non drive end</u>
Bearing type	:	NU-322 C3	6319 C3
Sealing	:	Taconite Labyrinth	Taconite Labyrinth
Lubrication interval	:	13000 h	17000 h
Lubricant amount	:	60 g	45 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.

Rev.	Changes Summary	Performed	Checked	Date
Performed by		Page Revision 1 / 2		
Checked by				
Date	27/01/2018			

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Space heater information

Voltage: 200 - 240 V

Rev.	Changes Summary		Performed	Checked	Date
Performed by			Page 2 / 2		Revision
Checked by					
Date	27/01/2018				