

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :										
Product line		: W22 Super Premium Efficiency Three-Phase		Product code : 11792554						
				Catalog # : 25036EG3G447TS-W22						
Frame	: 445/7TS	Locked rotor time	: 41s (cold) 23s (hot)							
Output	: 250 HP (185 kW)	Temperature rise	: 80 K							
Poles	: 2	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	: 267 A	Protection degree	: IP55							
L. R. Amperes	: 2109 A	Cooling method	: IC411 - TEFC							
LRC	: 7.9x(Code H)	Mounting	: F-1							
No load current	: 70.0 A	Rotation ¹	: Both (CW and CCW)							
Rated speed	: 3575 rpm	Noise level ²	: 81.0 dB(A)							
Slip	: 0.69 %	Starting method	: Direct On Line							
Rated torque	: 367 ft.lb	Approx. weight ³	: 2301 lb							
Locked rotor torque	: 220 %									
Breakdown torque	: 300 %									
Insulation class	: F									
Service factor	: 1.25									
Moment of inertia (J)	: 46.7 sq.ft.lb									
Design	: A									
Output	25%	50%	75%	100%						
Efficiency (%)	95.7	95.7	95.8	95.8						
	95.7	96.1	95.8	96.2						
Power Factor	0.58	0.65	0.82	0.87						
	0.62	0.59	0.85	0.83						
		0.88	0.89	0.88						
		0.90	0.90	0.91						
		0.62	0.59	0.89						
Foundation loads										
	Max. traction		: 2378 lb							
	Max. compression		: 4680 lb							
Drive end										
Bearing type	: 6314 C3	Non drive end	6314 C3							
Sealing	: WSeal		WSeal							
Lubrication interval	: 4000 h		4000 h							
Lubricant amount	: 27 g		27 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.										
Rev.	Changes Summary			Performed						
				Checked						
Performed by										
Checked by										
Date	29/03/2024									
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