

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :																						
Product line		: W40 NEMA Premium Efficiency Three-Phase		Product code : 16086810																		
				Catalog # : 30036OT3G449TS-RFVFD																		
Frame	: 447/9TS		Locked rotor time	: 25s (cold) 14s (hot)																		
Output	: 300 HP (220 kW)		Temperature rise	: 105 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	: 329 A		Protection degree	: IP23																		
L. R. Amperes	: 2764 A		Cooling method	: IC01 - ODP																		
LRC	: 8.4x(Code J)		Mounting	: F-1																		
No load current	: 95.0 A		Rotation ¹	: Both (CW and CCW)																		
Rated speed	: 3575 rpm		Noise level ²	: 87.0 dB(A)																		
Slip	: 0.69 %		Starting method	: VFD																		
Rated torque	: 60.9 kgfm		Approx. weight ³	: 881 kg																		
Locked rotor torque	: 229 %																					
Breakdown torque	: 320 %																					
Insulation class	: F																					
Service factor	: 1.15																					
Moment of inertia (J)	: 1.42 kgm ²																					
Design	: A																					
Output	25%	50%	75%	100%																		
Efficiency (%)	0.000	95.2	95.4	95.4																		
Power Factor	0.00	0.77	0.84	0.88																		
Foundation loads																						
Max. traction : 1264 kgf																						
Max. compression : 2145 kgf																						
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Notes - W40 - Nema Premium Efficiency at 60 Hz - Inverter duty 2.5:1 with 1.15 SF.																						
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																	
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Checked by				Page	Revision																	
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Thermal protection

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

Space heater information

Voltage: 110-127/200-240 V

Rev.	Changes Summary	Performed	Checked	Date
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