

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :																																		
Product line	: W40 NEMA Premium Efficiency Three-Phase		Product code :	16065116																														
			Catalog # :	10036OT3G365TS-RFVFD																														
Frame : 364/5TS Output : 100 HP (75 kW) Poles : 2 Frequency : 50 Hz Rated voltage : 380 V Rated current : 142 A L. R. Amperes : 1136 A LRC : 8.0x(Code J) No load current : 48.0 A Rated speed : 2965 rpm Slip : 1.17 % Rated torque : 177 ft.lb Locked rotor torque : 310 % Breakdown torque : 340 % Insulation class : F Service factor : 1.15 Moment of inertia (J) : 9.20 sq.ft.lb Design : A		Locked rotor time : 25s (cold) 14s (hot) Temperature rise : 105 K Duty cycle : Cont.(S1) Ambient temperature : -20°C to +40°C Altitude : 1000 m.a.s.l. Protection degree : IP23 Cooling method : IC01 - ODP Mounting : F-1 Rotation ¹ : Both (CW and CCW) Noise level ² : 84.0 dB(A) Starting method : VFD Approx. weight ³ : 827 lb																																
Output	25%	50%	75%	100%																														
Efficiency (%)	0.000 0.000	92.8 92.2	93.0 93.6	93.0 93.6																														
Power Factor	0.00 0.00	0.74 0.67	0.83 0.78	0.86 0.83																														
<table> <thead> <tr> <th></th><th colspan="2">Drive end</th><th colspan="2">Non drive end</th></tr> </thead> <tbody> <tr> <td>Bearing type</td><td colspan="2">: 6314 C4</td><td colspan="2">6212 Z C4</td></tr> <tr> <td>Sealing</td><td colspan="2">: Without Bearing Seal</td><td colspan="2">Without Bearing Seal</td></tr> <tr> <td>Lubrication interval</td><td colspan="2">: 1200 h</td><td colspan="2">1200 h</td></tr> <tr> <td>Lubricant amount</td><td colspan="2">: 10 g</td><td colspan="2" rowspan="3">10 g</td></tr> <tr> <td>Lubricant type</td><td colspan="4" rowspan="2">: Mobil Polyrex EM</td></tr> </tbody></table>						Drive end		Non drive end		Bearing type	: 6314 C4		6212 Z C4		Sealing	: Without Bearing Seal		Without Bearing Seal		Lubrication interval	: 1200 h		1200 h		Lubricant amount	: 10 g		10 g		Lubricant type	: Mobil Polyrex EM			
	Drive end		Non drive end																															
Bearing type	: 6314 C4		6212 Z C4																															
Sealing	: Without Bearing Seal		Without Bearing Seal																															
Lubrication interval	: 1200 h		1200 h																															
Lubricant amount	: 10 g		10 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																														
Performed by																																		
Checked by																																		
Date	26/03/2024																																	
		Page	Revision																															
		1 / 2																																

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Space heater information

Voltage: 110-127/200-240 V

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