

# DATA SHEET



## Three Phase Induction Motor - Squirrel Cage

Customer :					
Product line : W40 NEMA Premium Efficiency Three-Phase		Product code : 14272920			
		Catalog # : 10018OT3H404T-W40G			
Frame	: 404/5T		Locked rotor time	: 21s (cold) 12s (hot)	
Output	: 100 HP (75 kW)		Temperature rise	: 80 K	
Poles	: 4		Duty cycle	: Cont.(S1)	
Frequency	: 60 Hz		Ambient temperature	: -20°C to +40°C	
Rated voltage	: 575 V		Altitude	: 1000 m.a.s.l.	
Rated current	: 91.8 A		Protection degree	: IP23	
L. R. Amperes	: 624 A		Cooling method	: IC01 - ODP	
LRC	: 6.8x(Code G)		Mounting	: F-1	
No load current	: 29.6 A		Rotation <sup>1</sup>	: Both (CW and CCW)	
Rated speed	: 1780 rpm		Noise level <sup>2</sup>	: 69.0 dB(A)	
Slip	: 1.11 %		Starting method	: Direct On Line	
Rated torque	: 295 ft.lb		Approx. weight <sup>3</sup>	: 992 lb	
Locked rotor torque	: 200 %				
Breakdown torque	: 250 %				
Insulation class	: F				
Service factor	: 1.25				
Moment of inertia (J)	: 21.9 sq.ft.lb				
Design	: B				
Output	25%	50%	75%	100%	
Efficiency (%)	94.9	95.0	95.4	95.4	
Power Factor	0.50	0.75	0.83	0.86	
Foundation loads					
Max. traction : 1716 lb					
Max. compression : 2708 lb					
		<u>Drive end</u>	<u>Non drive end</u>		
Bearing type	:	6316 C3	6212 Z C3		
Sealing	:	Without Bearing Seal	Without Bearing Seal		
Lubrication interval	:	20000 h	20000 h		
Lubricant amount	:	34 g	13 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
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Checked by				Page	Revision
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