

# DATA SHEET



## Three Phase Induction Motor - Squirrel Cage

Customer :					
Product line : Close Coupled Pump NEMA Premium Efficiency Three-Phase		Product code : 11168046			
		Catalog # : 03018OT3H286JM			
Frame	: 286JM		Locked rotor time	: 25s (cold) 14s (hot)	
Output	: 30 HP (22 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	: 27.9 A		Protection degree	: IP23	
L. R. Amperes	: 184 A		Cooling method	: IC01 - ODP	
LRC	: 6.6x(Code G)		Mounting	: F-1	
No load current	: 9.68 A		Rotation <sup>1</sup>	: Both (CW and CCW)	
Rated speed	: 1770 rpm		Noise level <sup>2</sup>	: 63.0 dB(A)	
Slip	: 1.67 %		Starting method	: Direct On Line	
Rated torque	: 89.0 ft.lb		Approx. weight <sup>3</sup>	: 423 lb	
Locked rotor torque	: 240 %				
Breakdown torque	: 270 %				
Insulation class	: F				
Service factor	: 1.15				
Moment of inertia (J)	: 4.90 sq.ft.lb				
Design	: B				
Output	25%	50%	75%	100%	
Efficiency (%)	93.4	93.6	94.1	94.1	
Power Factor	0.46	0.70	0.80	0.84	
Foundation loads					
Max. traction : 836 lb					
Max. compression : 1260 lb					
		<u>Drive end</u>	<u>Non drive end</u>		
Bearing type	:	6311 Z C3	6211 Z C3		
Sealing	:	Without Bearing Seal	Without Bearing Seal		
Lubrication interval	:	20000 h	20000 h		
Lubricant amount	:	18 g	11 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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