

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer :						
Product line	: General NEMA Premium Efficiency Three-Phase		Product code :	10752573		
			Catalog # :	01018OT3E215TF3		
Frame	: 213/5T	Locked rotor time	: 10s (cold) 6s (hot)			
Output	: 10 HP (7.5 kW)	Temperature rise	: 105 K			
Poles	: 4	Duty cycle	: Cont.(S1)			
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C			
Rated voltage	: 230/460 V	Altitude	: 1000 m.a.s.l.			
Rated current	: 24.7/12.4 A	Protection degree	: IP21			
L. R. Amperes	: 161/80.4 A	Cooling method	: IC01 - ODP			
LRC	: 6.5x(Code H)	Mounting	: F-3			
No load current	: 10.9/5.45 A	Rotation <sup>1</sup>	: Both (CW and CCW)			
Rated speed	: 1765 rpm	Noise level <sup>2</sup>	: 59.0 dB(A)			
Slip	: 1.94 %	Starting method	: Direct On Line			
Rated torque	: 29.8 ft.lb	Approx. weight <sup>3</sup>	: 119 lb			
Locked rotor torque	: 210 %					
Breakdown torque	: 290 %					
Insulation class	: F					
Service factor	: 1.15					
Moment of inertia (J)	: 1.20 sq.ft.lb					
Design	: B					
Output	25%	50%	75%	100%		
Efficiency (%)	89.4	83.1	90.2	85.1		
	83.5	83.6	85.1	85.0		
	87.3	87.2	87.5	87.7		
	87.3	88.2	88.7	89.5		
Power Factor	0.40	0.37	0.64	0.59		
	0.33	0.30	0.55	0.51		
	0.45	0.41	0.69	0.65		
	0.38	0.61	0.75	0.82		
Foundation loads						
Max. traction : 448 lb						
Max. compression : 567 lb						
Drive end						
Bearing type	: 6208 ZZ	Non drive end				
Sealing	: Without Bearing Seal	6206 ZZ				
Lubrication interval	: -	Without Bearing Seal				
Lubricant amount	: -	-				
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	25/03/2024					
		Page	Revision			
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