

# DATA SHEET



## Three Phase Induction Motor - Squirrel Cage

Customer :						
Product line		: Rolled Steel NEMA Premium Efficiency Three-Phase		Product code : 12674880		
				Catalog # : 01018OT3P215T-S		
Frame	: 213/5T		Locked rotor time	: 25s (cold) 14s (hot)		
Output	: 10 HP (7.5 kW)		Temperature rise	: 80 K		
Poles	: 4		Duty cycle	: Cont.(S1)		
Frequency	: 60 Hz		Ambient temperature	: -20°C to +40°C		
Rated voltage	: 200 V		Altitude	: 1000 m.a.s.l.		
Rated current	: 28.5 A		Cooling method	: IC01 - ODP		
L. R. Amperes	: 200 A		Mounting	: F-1		
LRC	: 7.0x(Code H)		Rotation <sup>1</sup>	: Both (CW and CCW)		
No load current	: 13.8 A		Noise level <sup>2</sup>	: 59.0 dB(A)		
Rated speed	: 1770 rpm		Starting method	: Direct On Line		
Slip	: 1.67 %		Approx. weight <sup>3</sup>	: 121 lb		
Rated torque	: 29.7 ft.lb					
Locked rotor torque	: 250 %					
Breakdown torque	: 350 %					
Insulation class	: F					
Service factor	: 1.15					
Moment of inertia (J)	: 1.30 sq.ft.lb					
Design	: B					
Output	25%	50%	75%	100%		
Efficiency (%)	89.4	90.2	91.0	91.7		
Power Factor	0.38	0.64	0.77	0.83		
Foundation loads						
Max. traction : 525 lb						
Max. compression : 646 lb						
		<u>Drive end</u>		<u>Non drive end</u>		
Bearing type	: 6208 ZZ		: 6206 ZZ			
Sealing	: Without Bearing Seal		: Without Bearing Seal			
Lubrication interval	: -		: -			
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.						
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
Performed by						
Checked by					Page	Revision
Date	30/06/2024				1 / 1	