

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :							
Product line		: Rolled Steel NEMA Premium Efficiency Three-Phase		Product code : 12795529			
		Catalog # : 00212OT3H184T-S					
Frame	: 182/4T	Locked rotor time	: 59s (cold) 33s (hot)				
Output	: 2 HP (1.5 kW)	Temperature rise	: 80 K				
Poles	: 6	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	: 2.36 A	Cooling method	: IC01 - ODP				
L. R. Amperes	: 15.6 A	Mounting	: F-1				
LRC	: 6.6x(Code J)	Rotation ¹	: Both (CW and CCW)				
No load current	: 1.37 A	Noise level ²	: 52.0 dB(A)				
Rated speed	: 1165 rpm	Starting method	: Direct On Line				
Slip	: 2.92 %	Approx. weight ³	: 66.3 lb				
Rated torque	: 9.02 ft.lb						
Locked rotor torque	: 200 %						
Breakdown torque	: 300 %						
Insulation class	: F						
Service factor	: 1.15						
Moment of inertia (J)	: 0.2800 sq.ft.lb						
Design	: B						
Output	25%	50%	75%	100%			
Efficiency (%)	84.4	85.5	86.5	87.5			
Power Factor	0.30	0.53	0.66	0.73			
Foundation loads							
		Max. traction	: 139 lb				
		Max. compression	: 206 lb				
Drive end							
Bearing type	:	6206 ZZ	Non drive end				
Sealing	:	Without Bearing Seal	6205 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	27/03/2024						
				Page			
				Revision			
				1 / 1			