

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :										
Product line		: Rolled Steel NEMA Premium Efficiency Three-Phase		Product code :	15378604					
				Catalog # :	01018OT3E215T-SGH					
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	:	230/460 V		Altitude	: 1000 m.a.s.l.					
Rated current	:	24.8/12.4 A		Cooling method	: IC01 - ODP					
L. R. Amperes	:	174/86.8 A		Mounting	: F-1					
LRC	:	7.0x(Code H)		Rotation ¹	: Both (CW and CCW)					
No load current	:	12.0/5.99 A		Noise level ²	: 59.0 dB(A)					
Rated speed	:	1770 rpm		Starting method	: Direct On Line					
Slip	:	1.67 %		Approx. weight ³	: 121 lb					
Rated torque	:	29.7 ft.lb								
Locked rotor torque	:	250 %								
Breakdown torque	:	350 %								
Insulation class	:	H								
Service factor	:	1.15								
Moment of inertia (J)	:	1.30 sq.ft.lb								
Design	:	B								
Output	25%	50%	75%	100%	Foundation loads					
Efficiency (%)	89.4	91.4	90.2	90.1	91.0	89.7	91.7	88.1	Max. traction	: 544 lb
	89.5	89.1	89.7	89.0					Max. compression	: 665 lb
Power Factor	0.38	0.45	0.64	0.72	0.77	0.82	0.83	0.87		
	0.38	0.64	0.77	0.84						
Bearing type	:	Drive end 6208 ZZ		Non drive end 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					