

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :	
Product line	: Rolled Steel NEMA Premium Efficiency Three-Phase
Product code	: 12674768
Catalog #	: 01018OT3H215TC-S
Frame	: 213/5TC
Output	: 10 HP (7.5 kW)
Poles	: 4
Frequency	: 60 Hz
Rated voltage	: 575 V
Rated current	: 9.92 A
L. R. Amperes	: 69.4 A
LRC	: 7.0x(Code H)
No load current	: 4.79 A
Rated speed	: 1770 rpm
Slip	: 1.67 %
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
Locked rotor time	: 25s (cold) 14s (hot)
Temperature rise	: 80 K
Duty cycle	: Cont.(S1)
Ambient temperature	: -20°C to +40°C
Altitude	: 1000 m.a.s.l.
Cooling method	: IC01 - ODP
Mounting	: F-1
Rotation ¹	: Both (CW and CCW)
Noise level ²	: 59.0 dB(A)
Starting method	: Direct On Line
Approx. weight ³	: 130 lb
Output	50% 75% 100%
Efficiency (%)	90.2 91.0 91.7
Power Factor	0.64 0.77 0.83
Foundation loads	
Max. traction	: 521 lb
Max. compression	: 651 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.
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Rev.	Changes Summary	Performed	Checked	Date
Performed by			Page	Revision
Checked by			1 / 1	
Date	30/06/2024			