

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :		
Product line	: Rolled Steel NEMA Premium Efficiency Three-Phase	
Product code :	12675359	
Catalog # :	00118ET3E143TC-S	
Frame	: 143/5TC	
Insulation class	: F	
Duty cycle	: Cont.(S1)	
Ambient temperature	: -20°C to +40°C	
Altitude	: 1000 m.a.s.l.	
Protection degree	: IP55	
Design	: B	
Cooling method	: IC411 - TEFC	
Mounting	: F-1	
Rotation ¹	: Both (CW and CCW)	
Starting method	: Direct On Line	
Approx. weight ²	: 38.5 lb	
Moment of inertia (J)	: 0.1232 sq.ft.lb	
Output [HP]	1	
Poles	4	
Frequency [Hz]	60	
Rated voltage [V]	208-230/460	
Rated current [A]	3.25-2.94/1.47	
L. R. Amperes [A]	28.0-25.3/12.6	
LRC [A]	8.6x(Code M)	
No load current [A]	1.53-1.78/0.890	
Rated speed [RPM]	1765	
Slip [%]	1.94	
Rated torque [ft.lb]	2.94	
Locked rotor torque [%]	280	
Breakdown torque [%]	300	
Service factor	1.15	
Temperature rise	80 K	
Locked rotor time	34s (cold) 19s (hot)	
Noise level ²	52.0 dB(A)	
Efficiency (%)	25%	81.0
	50%	82.5
	75%	84.0
	100%	85.5
Power Factor	25%	0.30
	50%	0.52
	75%	0.66
	100%	0.75
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). (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 by	Performed	
Checked by	Checked	
Date	24/01/2018	
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Revision		