

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel NEMA Premium  
Efficiency Three-Phase

Product code : 12655083

Catalog # : 00118ET3E143T-S

Frame	: 143/5T	Cooling method	: IC411 - TEFC
Insulation class	: F	Mounting	: F-1
Duty cycle	: Cont.(S1)	Rotation <sup>1</sup>	: Both (CW and CCW)
Ambient temperature	: -20°C to +40°C	Starting method	: Direct On Line
Altitude	: 1000 m.a.s.l.	Approx. weight <sup>2</sup>	: 38.1 lb
Protection degree	: IP55	Moment of inertia (J)	: 0.1232 sq.ft.lb
Design	: B		

Output [HP]	1	1	1
Poles	4	4	4
Frequency [Hz]	60	50	50
Rated voltage [V]	208-230/460	190/380	220/415
Rated current [A]	3.25-2.94/1.47	3.40/1.70	3.06/1.62
L. R. Amperes [A]	28.0-25.3/12.6	22.1/11.0	22.9/12.2
LRC [A]	8.6x(Code M)	6.5x(Code J)	7.5x(Code K)
No load current [A]	1.53-1.78/0.890	1.76/0.879	1.86/0.988
Rated speed [RPM]	1765	1450	1460
Slip [%]	1.94	3.33	2.67
Rated torque [ft.lb]	2.94	3.57	3.55
Locked rotor torque [%]	280	200	250
Breakdown torque [%]	300	270	330
Service factor		1.15	1.15
Temperature rise	80 K	80 K	80 K
Locked rotor time	34s (cold) 19s (hot)	0s (cold) 0s (hot)	0s (cold) 0s (hot)
Noise level <sup>2</sup>	52.0 dB(A)	49.0 dB(A)	49.0 dB(A)
Efficiency (%)	25%	81.0	80.4
	50%	82.5	80.9
	75%	84.0	83.5
	100%	85.5	83.7
Power Factor	25%	0.30	0.31
	50%	0.52	0.55
	75%	0.66	0.68
	100%	0.75	0.77

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	Checked	Date
Performed by				
Checked by				
Date	23/01/2018			

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