

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel NEMA Premium
Efficiency Three-Phase

Product code : 12675405

Catalog # : 00718ET3E213T-S

Frame	: 213/5T	Cooling method	: IC411 - TEFC
Insulation class	: F	Mounting	: F-1
Duty cycle	: Cont.(S1)	Rotation ¹	: Both (CW and CCW)
Ambient temperature	: -20°C to +40°C	Starting method	: Direct On Line
Altitude	: 1000 m.a.s.l.	Approx. weight ²	: 120 lb
Protection degree	: IP55	Moment of inertia (J)	: 0.9380 sq.ft.lb
Design	: B		

Output [HP]	7.5	7.5	7.5
Poles	4	4	4
Frequency [Hz]	60	50	50
Rated voltage [V]	208-230/460	190/380	220/415
Rated current [A]	20.1-18.1/9.07	22.0/11.0	19.4/10.3
L. R. Amperes [A]	146-132/66.2	136/68.2	142/75.2
LRC [A]	7.3x(Code H)	6.2x(Code G)	7.3x(Code J)
No load current [A]	7.60-8.81/4.41	8.65/4.33	9.60/5.09
Rated speed [RPM]	1770	1455	1465
Slip [%]	1.67	3.00	2.33
Rated torque [ft.lb]	22.0	26.7	26.5
Locked rotor torque [%]	260	190	240
Breakdown torque [%]	300	250	300
Service factor	1.15	1.00	1.00
Temperature rise	80 K	105 K	80 K
Locked rotor time	39s (cold) 22s (hot)	0s (cold) 0s (hot)	0s (cold) 0s (hot)
Noise level ²	60.0 dB(A)	57.0 dB(A)	57.0 dB(A)
Efficiency (%)	25%		
	50%	90.2	89.4
	75%	91.0	90.1
	100%	91.7	89.4
Power Factor	25%		
	50%	0.64	0.64
	75%	0.76	0.76
	100%	0.82	0.83

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			

Page 1 / Revision