

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer :			
Product line	: Rolled Steel NEMA Premium Efficiency Three-Phase	Product code :	12675355
		Catalog # :	00736ET3E213TC-S
Frame	: 213/5TC	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>	: 143 lb
Protection degree	: IP55	Moment of inertia (J)	: 0.5496 sq.ft.lb
Design	: B		
Output [HP]	7.5	7.5	7.5
Poles	2	2	2
Frequency [Hz]	60	50	50
Rated voltage [V]	208-230/460	190/380	220/415
Rated current [A]	19.2-17.3/8.67	21.2/10.6	18.4/9.75
L. R. Amperes [A]	146-132/65.9	134/66.8	140/74.1
LRC [A]	7.6x(Code H)	6.3x(Code G)	7.6x(Code J)
No load current [A]	5.72-6.63/3.32	6.54/3.27	7.02/3.72
Rated speed [RPM]	3530	2905	2925
Slip [%]	1.94	3.17	2.50
Rated torque [ft.lb]	11.0	13.4	13.3
Locked rotor torque [%]	260	190	240
Breakdown torque [%]	300	240	300
Service factor	1.15	1.00	1.00
Temperature rise	80 K	105 K	80 K
Locked rotor time	27s (cold) 15s (hot)	0s (cold) 0s (hot)	0s (cold) 0s (hot)
Noise level <sup>2</sup>	70.0 dB(A)	67.0 dB(A)	67.0 dB(A)
Efficiency (%)	25%		
	50%	87.5	88.6
	75%	88.5	88.4
	100%	89.5	86.9
Power Factor	25%		
	50%	0.76	0.81
	75%	0.85	0.88
	100%	0.89	0.91
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			Page
Date	24/01/2018		Revision
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