

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer :				
Product line	: Rolled Steel NEMA Premium Efficiency Three-Phase	Product code :	12674849	
		Catalog # :	00718OT3E213T-S	
Frame	: 213/5T	Cooling method	: IC01 - ODP	
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>	: 116 lb	
Design	: B	Moment of inertia (J)	: 1.03 sq.ft.lb	
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]	20.5-18.5/9.25	22.2/11.1	19.6/10.4	
L. R. Amperes [A]	147-133/66.6	129/64.4	135/71.8	
LRC [A]	7.2x(Code H)	5.8x(Code G)	6.9x(Code H)	
No load current [A]	7.58-8.79/4.39	8.64/4.32	9.47/5.02	
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 [%]	240	170	210	
Breakdown torque [%]	320	229	280	
Service factor	1.15	1.15	1.15	
Temperature rise	80 K	80 K	80 K	
Locked rotor time	23s (cold) 13s (hot)	0s (cold) 0s (hot)	0s (cold) 0s (hot)	
Noise level <sup>2</sup>	59.0 dB(A)	56.0 dB(A)	56.0 dB(A)	
Efficiency (%)	25%	88.6	88.8	
	50%	89.5	88.2	
	75%	90.2	88.7	
	100%	91.0	87.8	
Power Factor	25%	0.39	0.39	
	50%	0.65	0.65	
	75%	0.77	0.78	
	100%	0.82	0.84	
Notes				
<p>This revision replaces and cancel the previous one, which must be eliminated.</p> <p>(1) Looking the motor from the shaft end.</p> <p>(2) Measured at 1m and with tolerance of +3dB(A).</p> <p>(4) At 100% of full load.</p>		<p>These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG-1.</p>		
Rev.	Changes Summary	Performed	Checked	Date
Performed by				
Checked by			Page	Revision
Date	23/01/2018		1 /	