

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel NEMA Premium
Efficiency Three-Phase

Product code : 12502805

Catalog # : 01518OT3E254T-S

Frame	: 254/6T	Cooling method	: IC01 - ODP
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	: 189 lb
Design	: B	Moment of inertia (J)	: 1.82 sq.ft.lb

Output [HP]	15	15	15
Poles	4	4	4
Frequency [Hz]	60	50	50
Rated voltage [V]	208-230/460	190/380	220/415
Rated current [A]	41.1-37.2/18.6	43.8/21.9	39.4/20.9
L. R. Amperes [A]	276-249/125	237/118	248/132
LRC [A]	6.7x(Code H)	5.4x(Code F)	6.3x(Code H)
No load current [A]	16.4-19.0/9.50	17.3/8.67	19.8/10.5
Rated speed [RPM]	1775	1465	1470
Slip [%]	1.39	2.33	2.00
Rated torque [ft.lb]	43.8	53.0	52.9
Locked rotor torque [%]	240	170	210
Breakdown torque [%]	300	220	270
Service factor	1.15	1.15	1.15
Temperature rise	80 K	80 K	80 K
Locked rotor time	30s (cold) 17s (hot)	0s (cold) 0s (hot)	0s (cold) 0s (hot)
Noise level ²	64.0 dB(A)	62.0 dB(A)	62.0 dB(A)
Efficiency (%)	25%		
	50%	91.7	90.3
	75%	92.4	90.9
	100%	93.0	90.3
Power Factor	25%		
	50%	0.62	0.62
	75%	0.73	0.75
	100%	0.80	0.81

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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