

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel NEMA Premium  
Efficiency Three-Phase

Product code : 12707653

Catalog # : 02536OT3E256TC-S

Frame	: 254/6TC	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>a</sup>	: 194 lb
Design	: B	Moment of inertia (J)	: 0.9155 sq.ft.lb

Output [HP]	25	25	25
Poles	2	2	2
Frequency [Hz]	60	50	50
Rated voltage [V]	208-230/460	190/380	220/415
Rated current [A]	64.3-58.2/29.1	70.6/35.3	62.2/33.0
L. R. Amperes [A]	405-367/183	374/187	392/208
LRC [A]	6.3x(Code G)	5.3x(Code E)	6.3x(Code G)
No load current [A]	19.7-22.8/11.4	22.3/11.2	26.5/14.1
Rated speed [RPM]	3530	2905	2920
Slip [%]	1.94	3.17	2.67
Rated torque [ft.lb]	36.7	44.6	44.4
Locked rotor torque [%]	180	150	180
Breakdown torque [%]	290	220	260
Service factor	1.15	1.15	1.15
Temperature rise	80 K	80 K	80 K
Locked rotor time	16s (cold) 9s (hot)	0s (cold) 0s (hot)	0s (cold) 0s (hot)
Noise level <sup>2</sup>	70.0 dB(A)	68.0 dB(A)	68.0 dB(A)
Efficiency (%)	25%		
	50%	91.0	90.6
	75%	91.7	90.6
	100%	91.7	89.6
Power Factor	25%		
	50%	0.73	0.71
	75%	0.83	0.82
	100%	0.87	0.87

### 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	22/01/2018			

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