

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel High Efficiency Three-Phase  
Product code : 12930587  
Catalog # : 02536OP3EFP256TC-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>2</sup> : 185 lb
Design : B	Moment of inertia (J) : 0.8718 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]	64.1-58.0/29.0	71.4/35.7	63.0/33.4
L. R. Amperes [A]	398-360/180	371/186	391/207
LRC [A]	6.2x(Code G)	5.2x(Code E)	6.2x(Code G)
No load current [A]	19.3-22.4/11.2	21.7/10.9	27.2/14.4
Rated speed [RPM]	3530	2900	2920
Slip [%]	1.94	3.33	2.67
Rated torque [ft.lb]	36.7	44.7	44.4
Locked rotor torque [%]	180	130	160
Breakdown torque [%]	280	210	250
Service factor	1.15	1.00	1.00
Temperature rise	80 K	105 K	80 K
Locked rotor time	16s (cold) 9s (hot)	12s (cold) 7s (hot)	10s (cold) 6s (hot)
Noise level <sup>2</sup>	70.0 dB(A)	68.0 dB(A)	68.0 dB(A)
Efficiency (%)	25%		
	50%	90.2	89.6
	75%	91.0	89.8
	100%	91.0	88.7
Power Factor	25%		
	50%	0.75	0.71
	75%	0.84	0.82
	100%	0.88	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	18/01/2018			

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