

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel NEMA Premium  
Efficiency Three-Phase

Product code : 12675402

Catalog # : 00318ET3E182T-S

Frame	: 182/4T	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>	: 83.1 lb
Protection degree	: IP55	Moment of inertia (J)	: 0.4017 sq.ft.lb
Design	: B		

Output [HP]	3	3	3
Poles	4	4	4
Frequency [Hz]	60	50	50
Rated voltage [V]	208-230/460	190/380	220/415
Rated current [A]	8.43-7.62/3.81	9.08/4.54	8.15/4.32
L. R. Amperes [A]	74.1-67.1/33.5	60.8/30.4	65.2/34.6
LRC [A]	8.8x(Code K)	6.7x(Code H)	8.0x(Code K)
No load current [A]	3.45-4.00/2.00	3.95/1.97	4.22/2.23
Rated speed [RPM]	1765	1455	1465
Slip [%]	1.94	3.00	2.33
Rated torque [ft.lb]	8.81	10.7	10.6
Locked rotor torque [%]	220	170	220
Breakdown torque [%]	300	260	320
Service factor	1.15	1.15	1.15
Temperature rise	80 K	80 K	80 K
Locked rotor time	32s (cold) 18s (hot)	0s (cold) 0s (hot)	0s (cold) 0s (hot)
Noise level <sup>2</sup>	56.0 dB(A)	53.0 dB(A)	53.0 dB(A)
Efficiency (%)	25%		
	50%	87.5	86.9
	75%	88.5	88.0
	100%	89.5	87.4
Power Factor	25%		
	50%	0.61	0.62
	75%	0.74	0.74
	100%	0.81	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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