

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel High Efficiency Three-Phase  
Product code : 12736505  
Catalog # : 00736OP3EFP184TC-S

Frame : 182/4TC	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> : 0.0 lb
Design : B	Moment of inertia (J) : 0.1559 sq.ft.lb

Output [HP]	7.5	7.5	7.5
Poles	2	2	2
Frequency [Hz]	60	50	50
Rated voltage [V]	208-230/460	190/380	220/415
Rated current [A]	19.6-17.7/8.86	22.0/11.0	19.1/10.1
L. R. Amperes [A]	137-124/62.0	112/56.1	116/61.6
LRC [A]	7.0x(Code H)	5.1x(Code E)	6.1x(Code G)
No load current [A]	6.02-6.99/3.49	6.86/3.43	8.05/4.27
Rated speed [RPM]	3500	2850	2885
Slip [%]	2.78	5.00	3.83
Rated torque [ft.lb]	11.1	13.6	13.5
Locked rotor torque [%]	180	130	150
Breakdown torque [%]	280	200	240
Service factor	1.15	1.00	1.00
Temperature rise	80 K	105 K	105 K
Locked rotor time	14s (cold) 8s (hot)	10s (cold) 6s (hot)	10s (cold) 6s (hot)
Noise level <sup>2</sup>	65.0 dB(A)	63.0 dB(A)	63.0 dB(A)
Efficiency (%)	25%		
	50%	87.5	87.3
	75%	88.5	87.0
	100%	87.5	85.2
Power Factor	25%		
	50%	0.74	0.73
	75%	0.84	0.84
	100%	0.89	0.89

### 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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