

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer	:		
Product line	: Rolled Steel Three-Phase	Product code :	12812242
		Catalog # :	00236OT3E56CFL-S
Frame	: 56C	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 ³	: 34.5 lb
Design	: A	Moment of inertia (J)	: 0.1151 sq.ft.lb
Output [HP]	2	2	2
Poles	2	2	2
Frequency [Hz]	60	50	50
Rated voltage [V]	208-230/460	190/380	220/415
Rated current [A]	5.35-4.84/2.42	5.88/2.94	5.11/2.71
L. R. Amperes [A]	47.6-43.1/21.5	40.6/20.3	41.9/22.2
LRC [A]	8.9x(Code K)	6.9x(Code H)	8.2x(Code J)
No load current [A]	1.58-1.83/0.917	1.81/0.906	1.98/1.05
Rated speed [RPM]	3510	2890	2910
Slip [%]	2.50	3.67	3.00
Rated torque [ft.lb]	2.95	3.59	3.56
Locked rotor torque [%]	220	180	220
Breakdown torque [%]	330	250	310
Service factor		1.15	1.15
Temperature rise	80 K	80 K	80 K
Locked rotor time	25s (cold) 14s (hot)	18s (cold) 10s (hot)	18s (cold) 10s (hot)
Noise level ²	62.0 dB(A)	60.0 dB(A)	60.0 dB(A)
Efficiency (%)	25%		
	50%	84.0	84.3
	75%	85.5	85.5
	100%	85.5	84.7
Power Factor	25%		
	50%	0.77	0.77
	75%	0.86	0.87
	100%	0.91	0.91

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			Page	Revision
Date	23/01/2018		1 /	