

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel NEMA Premium
Efficiency Three-Phase

Product code : 12751165

Catalog # : 002120T3E184T-S

Frame	: 182/4T	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 ²	: 66.5 lb
Design	: B	Moment of inertia (J)	: 0.2800 sq.ft.lb

Output [HP]	2	2	2
Poles	6	6	6
Frequency [Hz]	60	50	50
Rated voltage [V]	208-230/460	190/380	220/415
Rated current [A]	6.52-5.90/2.95	6.96/3.48	6.34/3.36
L. R. Amperes [A]	43.0-38.9/19.5	35.5/17.7	38.7/20.5
LRC [A]	6.6x(Code J)	5.1x(Code G)	6.1x(Code J)
No load current [A]	2.95-3.42/1.71	3.37/1.69	3.75/1.99
Rated speed [RPM]	1165	945	955
Slip [%]	2.92	5.50	4.50
Rated torque [ft.lb]	8.89	11.0	10.8
Locked rotor torque [%]	200	160	210
Breakdown torque [%]	300	220	270
Service factor	1.15	1.00	1.00
Temperature rise	80 K	105 K	80 K
Locked rotor time	59s (cold) 33s (hot)	0s (cold) 0s (hot)	0s (cold) 0s (hot)
Noise level ²	52.0 dB(A)	50.0 dB(A)	50.0 dB(A)
Efficiency (%)	25%		
	50%	85.5	83.0
	75%	86.5	84.6
	100%	87.5	84.0
Power Factor	25%		
	50%	0.53	0.53
	75%	0.66	0.66
	100%	0.73	0.74

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			

Page 1 / Revision