

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :					
Product line		: Rolled Steel Three-Phase	Product code :	12809667	
			Catalog # :	00158OT3E56-S	
Frame		: 56H	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	: 37.6 lb	
Design		: A	Moment of inertia (J)	: 0.1296 sq.ft.lb	
Output [HP]		1.5	1.5	1.5	
Poles		4	4	4	
Frequency [Hz]		60	50	50	
Rated voltage [V]		208-230/460	190/380	220/415	
Rated current [A]		4.64-4.20/2.10	4.94/2.47	4.51/2.39	
L. R. Amperes [A]		40.9-37.0/18.5	33.6/16.8	35.2/18.6	
LRC [A]		8.8x(Code L)	6.8x(Code J)	7.8x(Code K)	
No load current [A]		2.24-2.60/1.30	2.61/1.30	2.91/1.54	
Rated speed [RPM]		1760	1445	1455	
Slip [%]		2.22	3.67	3.00	
Rated torque [ft.lb]		4.42	5.38	5.34	
Locked rotor torque [%]		290	220	280	
Breakdown torque [%]		350	280	340	
Service factor			1.15	1.15	
Temperature rise		80 K	80 K	80 K	
Locked rotor time		25s (cold) 14s (hot)	27s (cold) 15s (hot)	21s (cold) 12s (hot)	
Noise level ²		52.0 dB(A)	49.0 dB(A)	49.0 dB(A)	
Efficiency (%)	25%	82.9	84.3	81.0	
	50%	84.0	83.7	81.6	
	75%	85.5	84.7	84.0	
	100%	86.5	83.6	84.2	
Power Factor	25%	0.30	0.36	0.30	
	50%	0.53	0.61	0.53	
	75%	0.66	0.74	0.67	
	100%	0.76	0.81	0.76	
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	Revision
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