

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :		
Product line	: Multimounting IE3 Three-Phase	
Product code :	13971582	
Catalog # :	00136ET3EAL80-W22	
Frame	: 80	
Insulation class	: F	
Duty cycle	: S1	
Ambient temperature	: -20°C to +40°C	
Altitude	: 1000 m.a.s.l.	
Protection degree	: IP55	
Design	: N	
Cooling method	: IC411 - TEFC	
Mounting	: B3L(E)	
Rotation ¹	: Both (CW and CCW)	
Starting method	: Direct On Line	
Approx. weight ³	: 28.2 lb	
Moment of inertia (J)	: 0.0356 sq.ft.lb	
Output [HP]	1.5	
Poles	2	
Frequency [Hz]	60	
Rated voltage [V]	230/460	
Rated current [A]	4.06/2.03	
L. R. Amperes [A]	32.5/16.2	
LRC [A]	8.0	
No load current [A]	2.12/1.06	
Rated speed [RPM]	3450	
Slip [%]	4.17	
Rated torque [ft.lb]	2.25	
Locked rotor torque [%]	530	
Breakdown torque [%]	520	
Service factor	1.25	
Temperature rise	80 K	
Locked rotor time	48s (cold) 27s (hot)	
Noise level ²	59.0 dB(A)	
Efficiency (%)	25%	76.1
	50%	78.5
	75%	81.5
	100%	84.0
Power Factor	25%	0.38
	50%	0.62
	75%	0.74
	100%	0.81
Bearing type	: <u>Drive end</u> 6204 ZZ <u>Non drive end</u> 6203 ZZ	
Sealing	: V'Ring V'Ring	
Lubrication interval	: - -	
Lubricant amount	: - -	
Lubricant type	: Mobil Polyrex EM	
Foundation loads	Max. traction : 91 lb	
	Max. compression : 119 lb	
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). (3) Approximate weight subject to changes after manufacturing process. (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 by	Performed	
Checked by	Checked	
Date	22/01/2018	
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Revision		