DATA SHEET

Three Phase Induction Motor - Squirrel Cage

Customer	:

Product line	: W22 IEEE 841 NEMA Premium Efficiency Three-Phase	Product code :	11684303
		Catalog # :	00309ST3QIE215T-W22

Frame	: 213/5T	Cooling method	: IC411 - TEFC
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]	: 190 lb
Protection degree	: IP55	Moment of inertia (J)	: 2.11 sq.ft.lb
Design	: B		

Output [HP]		3	3	3	3
Poles		8	8	8	8
Frequency [Hz]		60	50	50	50
Rated voltage [V]		460	380	400	415
Rated current [A]		4.55	5.33	5.20	5.06
L. R. Amperes [A]		30.9	28.2	31.2	32.9
LRC [A]		6.8x(Code K)	5.3x(Code G)	6.0x(Code J)	6.5x(Code J)
No load current [A]		2.71	2.68	2.86	3.00
Rated speed [RPM]		870	710	715	720
Slip [%]		3.33	5.33	4.67	4.00
Rated torque [ft.lb]		17.9	21.9	21.7	21.6
Locked rotor torque [%]		229	180	220	260
Breakdown torque [%]		276	200	240	270
Service factor		1.25	1.25	1.25	1.25
Temperature rise		80 K	80 K	80 K	80 K
Locked rotor time		79s (cold) 44s (hot)	59s (cold) 33s (hot)	59s (cold) 33s (hot)	59s (cold) 33s (hot)
Noise level[2]		52.0 dB(A)	52.0 dB(A)	52.0 dB(A)	52.0 dB(A)
Efficiency (%)	25%				
	50%	84.0	84.0	84.0	82.5
	75%	85.5	84.0	84.0	84.0
	100%	85.5	82.5	82.5	84.0
Power Factor	25%				
	50%	0.50	0.57	0.54	0.51
	75%	0.63	0.70	0.67	0.64
	100%	0.71	0.76	0.74	0.72

		Drive end	Non drive end
Bearing type	:	6308 C3	6207 C3
Sealing	:	Inpro/Seal	Inpro/Seal
Lubrication interval	:	20000 h	20000 h
Lubricant amount	:	11 g	7 g
Lubricant type	:	Mobil Polyrex EM	

Foundation loads

Max. traction : 238 lb

Max. compression : 428 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	Checked	Date

Performed by				
Checked by			Page	Revision
Date	23/01/2018		1 / 1	