DATA SHEET

Three Phase Induction Motor - Squirrel Cage

Customer	:

Product line	: W22 Tru-Metric IE3 Three-Phase	Product code :	13034287
		Catalog # :	11009ET3Y315L-W22

Frame	: 315L	Cooling method	: IC411 - TEFC
Insulation class	: F	Mounting	: B3L(E)
Duty cycle	: 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]	: 3014 lb
Protection degree	: IP55	Moment of inertia (J)	: 298 sq.ft.lb
Design	: N		

Output [HP]		150	150	150	150
Poles		8	8	8	8
Frequency [Hz]		60	50	50	50
Rated voltage [V]		460	380	400	415
Rated current [A]		186	217	211	205
L. R. Amperes [A]		1246	1302	1266	1230
LRC [A]		6.7	6.0	6.0	6.0
No load current [A]		90.1	88.6	95.0	100
Rated speed [RPM]		890	740	740	740
Slip [%]		1.11	1.33	1.33	1.33
Rated torque [ft.lb]		873	1050	1050	1050
Locked rotor torque [%]		210	160	190	210
Breakdown torque [%]		270	200	220	240
Service factor		1.25	1.00	1.00	1.00
Temperature rise		80 K	80 K	80 K	80 K
Locked rotor time		88s (cold) 49s (hot)	63s (cold) 35s (hot)	63s (cold) 35s (hot)	63s (cold) 35s (hot)
Noise level[2]		71.0 dB(A)	68.0 dB(A)	68.0 dB(A)	68.0 dB(A)
Efficiency (%)	25%	94.3	95.3	94.9	94.5
	50%	94.5	95.2	95.0	94.8
	75%	95.4	95.3	95.4	95.3
	100%	95.4	95.1	95.4	95.5
Power Factor	25%	0.36	0.42	0.39	0.36
	50%	0.60	0.68	0.64	0.61
	75%	0.72	0.77	0.74	0.72
	100%	0.78	0.81	0.79	0.78

		Drive end	Non drive end
Bearing type	:	6319 C3	6316 C3
Sealing	:	WSeal	WSeal
Lubrication interval	:	17000 h	20000 h
Lubricant amount	:	45 g	34 g
Lubricant type	:	Mobil Polyrex EM	

Foundation loads

Max. traction : 4622 lb

Max. compression : 7636 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	22/01/2018		1 / 1	