DATA SHEET

Three Phase Induction Motor - Squirrel Cage

Customer	:

Product line	: W22 Super Premium Efficiency Three-Phase	Product code :	11792521
		Catalog # :	12518EG3G444T-W22

Frame	: 444/5T	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]	: 1823 lb
Protection degree	: IP55	Moment of inertia (J)	: 58.4 sq.ft.lb
Design	: A		

Output [HP]		125	125	125	125
Poles		4	4	4	4
Frequency [Hz]		60	50	50	50
Rated voltage [V]		460	380	400	415
Rated current [A]		140	167	160	156
L. R. Amperes [A]		1148	1152	1200	1248
LRC [A]		8.2x(Code J)	6.9x(Code G)	7.5x(Code H)	8.0x(Code J)
No load current [A]		55.0	54.5	58.0	61.0
Rated speed [RPM]		1785	1480	1485	1485
Slip [%]		0.83	1.33	1.00	1.00
Rated torque [ft.lb]		363	438	436	436
Locked rotor torque [%]		240	200	210	229
Breakdown torque [%]		300	250	280	300
Service factor		1.25	1.25	1.15	1.15
Temperature rise		80 K	80 K	80 K	80 K
Locked rotor time		68s (cold) 38s (hot)	54s (cold) 30s (hot)	54s (cold) 30s (hot)	54s (cold) 30s (hot)
Noise level[2]		73.0 dB(A)	69.0 dB(A)	69.0 dB(A)	69.0 dB(A)
Efficiency (%)	25%	94.5	94.9	95.3	95.3
	50%	95.0	95.0	95.4	95.4
	75%	95.8	95.4	95.8	95.8
	100%	96.2	95.4	95.8	95.8
Power Factor	25%	0.44	0.50	0.47	0.44
	50%	0.68	0.75	0.72	0.69
	75%	0.79	0.83	0.81	0.79
	100%	0.84	0.86	0.85	0.84

		Drive end	Non drive end
Bearing type	:	6319 C3	6316 C3
Sealing	:	WSeal	WSeal
Lubrication interval	:	8000 h	10000 h
Lubricant amount	:	45 g	34 g
Lubricant type	:	Mobil Polyrex EM	

Foundation loads

Max. traction : 2623 lb

Max. compression : 4447 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	24/01/2018		1 / 1	