

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer :				
Product line	: W21 Flameproof Motor NEMA Premium Efficiency Three-Phase			
Product code :	11439789			
Catalog # :	06018XT3E364T			
Frame	: 364/5T			
Insulation class	: F			
Duty cycle	: Cont.(S1)			
Ambient temperature	: -20°C to +40°C			
Altitude	: 1000 m.a.s.l.			
Protection degree	: IP55			
Design	: B			
Cooling method	: IC411 - TEFC			
Mounting	: F-1			
Rotation <sup>1</sup>	: Both (CW and CCW)			
Starting method	: Direct On Line			
Approx. weight <sup>2</sup>	: 1009 lb			
Moment of inertia (J)	: 20.8 sq.ft.lb			
Output [HP]	60	50	50	50
Poles	4	4	4	4
Frequency [Hz]	60	50	50	50
Rated voltage [V]	208-230/460	380	400	415
Rated current [A]	151-137/68.3	69.0	66.0	64.8
L. R. Amperes [A]	1057-956/478	449	482	505
LRC [A]	7.0x(Code H)	6.5x(Code G)	7.3x(Code H)	7.8x(Code J)
No load current [A]	37.9-44.0/22.0	21.7	23.5	24.9
Rated speed [RPM]	1780	1480	1480	1480
Slip [%]	1.11	1.33	1.33	1.33
Rated torque [ft.lb]	175	175	175	175
Locked rotor torque [%]	250	210	250	270
Breakdown torque [%]	250	229	260	290
Service factor	1.15	1.00	1.00	1.00
Temperature rise	80 K	80 K	80 K	80 K
Locked rotor time	36s (cold) 20s (hot)	39s (cold) 22s (hot)	39s (cold) 22s (hot)	39s (cold) 22s (hot)
Noise level <sup>2</sup>	75.0 dB(A)	70.0 dB(A)	70.0 dB(A)	70.0 dB(A)
Efficiency (%)	25%			
	50%	94.1	94.1	93.6
	75%	94.5	94.1	94.1
	100%	95.0	93.6	94.1
Power Factor	25%			
	50%	0.72	0.72	0.69
	75%	0.82	0.82	0.80
	100%	0.87	0.87	0.86
Bearing type	: <u>Drive end</u> 6314 C3 <u>Non drive end</u> 6314 C3	Foundation loads		
Sealing	: Oil Seal Lip Seal	Max. traction : 1259 lb		
Lubrication interval	: 9789 h 9789 h	Max. compression : 2267 lb		
Lubricant amount	: 27 g 27 g			
Lubricant type	: Mobil Polyrex EM			
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 / 2	

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Customer : \_\_\_\_\_

### Thermal protection

ID	Application	Type	Quantity	Sensing Temperature
1	Winding	Thermostat - 2 wires	1 x Phase	155 °C

Rev.	Changes Summary	Performed	Checked	Date
Performed by		Page 2 / 2		Revision
Checked by				
Date	24/01/2018			