## **DATA SHEET**

### Three Phase Induction Motor - Squirrel Cage



Customer

Product line : W21 Flameproof Motor NEMA

Premium Efficiency Three-Phase

Product code: 11341204

Catalog #: 00336XT3E182T

Frame : 182T Cooling method : IC411 - TEFC

Insulation class : F Mounting : F-1

Duty cycle : Cont.(S1) Rotation<sup>1</sup> : Both (CW and CCW) : -20°C to +40°C Starting method Ambient temperature : Direct On Line

Altitude : 1000 m.a.s.l. Approx. weight<sup>3</sup> : 114 lb

: IP55 Protection degree Moment of inertia (J) : 0.1471 sq.ft.lb

Design	•	: B				
Output [HP]		3	3	3	3	
Poles		2	2	2	2	
Frequency [Hz]		60	50	50	50	
Rated voltage [V]		208-230/460	380	400	415	
Rated current [A]		8.32-7.52/3.76	4.44	4.27	4.16	
L. R. Amperes [A]		69.8-63.2/31.6	29.7	31.6	33.3	
LRC [A]		8.4x(Code K)	6.7x(Code H)	7.4x(Code J)	8.0x(Code J)	
No load current [A	]	1.40-2.80/1.40	1.30	1.40	1.48	
Rated speed [RPN	<b>/</b> 1]	3510	2880	2890	2900	
Slip [%]		2.50	4.00	3.67	3.33	
Rated torque [ft.lb] Locked rotor torque [%]		4.43	5.40	5.38	5.36	
		250	210	240	260	
Breakdown torque [%]		400	300	340	370	
Service factor		1.15	1.00	1.00	1.00	
Temperature rise		80 K	80 K			
Locked rotor time		54s (cold) 30s (hot)	77s (cold) 43s (hot)	77s (cold) 43s (hot)	77s (cold) 43s (hot)	
Noise level <sup>2</sup>		69.0 dB(A)	64.0 dB(A)	64.0 dB(A)	64.0 dB(A)	
	25%	81.3	82.0	81.2	81.3	
Efficiency (%)	50%	82.5	82.5	82.5	82.5	
Liliciency (70)	75%	85.5	85.5	85.5	85.5	
	100%	86.5	85.5	86.5	86.5	
	25%	0.48	0.55	0.51	0.48	
Power Factor	50%	0.73	0.78	0.75	0.72	
1 OWELL ACTOR	75%	0.81	0.85	0.83	0.81	
	100%	0.85	0.88	0.86	0.85	

Non drive end Foundation loads **Drive end** 

6206 2RS Bearing type 6307 2RS Max. traction : 71 lb Sealing Oil Seal Lip Seal Max. compression : 185 lb

Lubrication interval Lubricant amount 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.

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#### Thermal protection

ID	Application	Type Quantity		Sensing Temperature	
1	Winding	Thermostat - 2 wires	1 x Phase	130 °C	
2	Winding	Thermostat - 2 wires	1 x Phase	155 °C	

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