DATA SHEET



Three Phase	e Induction Mo	otor - Squirrel	Cage		
Customer	:				
Product line	: W21 Explosion	Proof IE2 Three-Phas	se Product code	: 1358545	57
Frame Output Poles Frequency Rated voltage Rated current L. R. Amperes LRC No load current Rated speed Slip Rated torque Locked rotor torque Breakdown torque Insulation class Service factor Moment of inertia Design	: 6 : 50 Hz : 380/60 : 86.5/4 : 588/3; : 6.8 : 34.0/1 : 985 rp : 1.50 % : 322 ft. e : 200 % : 250 % : F	(60 HP) 60 V 9.8 A 39 A 9.6 A m 6	Locked rotor time Temperature rise Duty cycle Ambient temperature Altitude Protection degree Cooling method Mounting Rotation ¹ Noise level ² Starting method Approx. weight ³	: 80 K : S1 : -20°C : 1000 r : IP55 : IC411 : B3T : Both (- TEFC CW and CCW) B(A) On Line
Output	25% 50%	75% 100%	Foundation loads		
Efficiency (%)		93.1 93.1 93.5 93.5	Max. traction	: 1464 lb	
Power Factor	89.3 90.2 0.45 0.39 0.71 0.64 0.39 0.63	92.7 93.4 0.79 0.75 0.84 0.80 0.75 0.80	Max. compression	: 3104 lb	
Losses at normativ	e operating points (s	peed;torque), in perce	ntage of rated output po	wer	
	P1 (0,9;1,0)	6.6	6.6	6.7	
	P2 (0,5;1,0)	5.1	5.1	5.2	
	P3 (0,25;1,0)	4.7	4.7	4.8	
Losses (%)	P4 (0,9;0,5)	3.4	3.4	3.5	
	P5 (0,5;0,5)	2.1	2.1	2.2	
	P6 (0,5;0,25)	1.4	1.4	1.5	
	P7 (0,25;0,25)	0.9	0.9	0.9	
		Drive end	Non drive		
Bearing type	:	6316 C3	6316		
Sealing	:	Lip Seal	Lip Se		
Lubrication interva	l :	14935 h	14935		
Lubricant amount	:	34 g	34 g)	
Lubricant type	:	Mol	Nobil 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 IEC 60034-1.

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Customer	
Customer	

Thermal protection

ID	Application	Туре	Quantity	Sensing Temperature
1	Winding	Thermistor - 2 wires	1 x Phase	150 °C

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Checked by				Page	Revision
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