DATA SHEET



Customer	Induction Mo				
Product line	: W22 IE2 Three-Phase		Product code : Catalog # :		23Y180LF3-W22
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 (and to	: 330 % : F : 1.00	0 V .6 A 7 A .5 A om	Locked rotor time Temperature rise Duty cycle Ambient temperature Altitude Protection degree Cooling method Mounting Rotation¹ Noise level² Starting method Approx. weight³	: 80 K : S1 : -20°C to : 1000 m. : IP55 : IC411	a.s.l. TEFC W and CCW) (A)
		75% 100%	Foundation loads	. 4402 lb	
Efficiency (%) 90.8 90.3 91.0 90.5 91.6 91.6 91.6 91.6 88.8 89.7 89.5 90.3 91.0 92.0 91.6 92.4 Power Factor 0.39 0.35 0.64 0.60 0.76 0.72 0.82 0.80 0.32 0.33 0.55 0.56 0.68 0.69 0.76 0.77		Max. traction Max. compression	: 1403 lb : 1864 lb		
Losses at normative	e operating points (sp	eed:torque), in perce	ntage of rated output pow	/er	
	P1 (0,9;1,0)	8.6	8.2	8.0	8.0
	P2 (0,5;1,0)	7.6	7.2	7.1	7.1
	P3 (0,25;1,0)	7.2	6.8	6.7	6.7
Losses (%)	P4 (0,9;0,5)	4.1	3.8	3.8	3.8
	P5 (0,5;0,5)	2.9	2.8	2.7	2.7
	P6 (0,5;0,25)	1.9	1.8	1.8	1.8
	P7 (0,25;0,25)	1.4	1.3	1.3	1.3
		Drive end	Non drive e	<u>end</u>	
Bearing type	:	6311 ZZ C3	6211 ZZ	C3	
Sealing	:	V'Ring	V'Ring)	
Lubrication interval	:	-	-		
Lubricant amount	:	-	-		
Lubricant type	:	Mol	oil Polyrex EM		
Notes:					
3					

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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DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer	

Thermal protection

r P					
ID	Application	Туре	Quantity	Sensing Temperature	
1	Winding	Thermistor - 2 wires	1 x Phase	155 °C	

Rev.	Changes Summary		Performed	Checked	Date
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Checked by				Page	Revision
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