# DATA SHEET

#### Three Phase Induction Motor - Squirrel Cage



Customer	:					
Product line	: W22 IE2 Three-	Phase	Product code		· ·	
			Catalog # :	E022361	EP3Y180MF3-W22	
Frame	: 180M		Locked rotor time	: 18s (c	old) 10s (hot)	
Output	: 22 kW (30 HP)		Temperature rise	: 80 K		
Poles	: 2		Duty cycle	: S1	: S1	
Frequency	: 50 Hz		Ambient temperatur	re : -20°C	to +40°C	
Rated voltage	: 380/660 V		Altitude	: 1000 r	m.a.s.l.	
Rated current	: 41.4/23.8 A		Protection degree	: IP55		
L. R. Amperes	: 302/174 A		Cooling method		: IC411 - TEFC	
LRC	: 7.3		Mounting		: B3T	
No load current	: 12.5/7.		Rotation <sup>1</sup>		: Both (CW and CCW)	
Rated speed	: 2950 rp	om	Noise level <sup>2</sup>		: 67.0 dB(A)	
Slip	: 1.67 %		Starting method		On Line	
Rated torque	: 52.6 ft.l	b	Approx. weight <sup>3</sup>	: 372 lb		
Locked rotor torqu						
Breakdown torque						
Insulation class	: F					
Service factor	: 1.00					
Moment of inertia	• •	.ft.lb				
Design	: N					
 Output	25% 50%	75% 100%	Foundation loads			
				. 400 lb		
Efficiency (%)	92.4 91.9 92.2 91.9 9		Max. traction	: 480 lb		
5 <b>.</b>	91.3 90.8 91.5 91.0 9			054.11		
Power Factor	0.53 0.49 0.78 0.74 ( 0.45 0.47 0.71 0.72 (		Max. compression	: 851 lb		
_osses at normativ			ntage of rated output p			
	P1 (0,9;1,0)	8.6	8.2	7.9	7.9	
	P2 (0,5;1,0)	7.3	6.9	6.7	6.7	
	P3 (0,25;1,0)	6.8	6.4	6.3	6.3	
Losses (%)	P4 (0,9;0,5)	4.0	3.8	3.7	3.7	
	P5 (0,5;0,5)	2.7	2.5	2.5	2.5	
	P6 (0,5;0,25)	1.7	1.6	1.5	1.5	
	P7 (0,25;0,25)	1.1	1.1	1.0	1.0	
		Drive end	Non driv	<del></del>		
Bearing type	:	6311 ZZ C3	6211 2			
Sealing	:	V'Ring	V'R	ing		
Lubrication interva		-	-			
Lubricant amount	:	-	<b>-</b>			
Lubricant type	:	Mo	bil Polyrex EM			
Notes:						
This revision repla	ces and cancel the pre	vious one, which	These are average value	alues based on test	s with sinusoidal	
must be eliminated.			power supply, subjec			
(1) Looking the mo	otor from the shaft end.		60034-1.			
	n and with tolerance of					
	eight subject to change					
manufacturing pro						
(4) At 100% of full						

( <del>+</del> ) At 100 /0 01 10	ili load.				
Rev.	Changes Summary		Performed	Checked	Date
Performed by					
Checked by		-		Page	Revision
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#### 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
Performed by					
Checked by				Page	Revision
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