## DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Frame	Customer	:							
Dutyput	Product line	: W22 T	ru-Metric	IE3 Three-Phase				02218ET3Y180L-W22  : 21s (cold) 12s (hot) : 80 K : S1 : -20°C to +40°C : 1000 m.a.s.l. : IP55 : IC411 - TEFC : B3L(E) : Both (CW and CCW) : 61.0 dB(A)	
Locked rotor torque : 270 % Breakdown torque : 300 % Insulation class : F Service factor : 1.25 Moment of inertia (J) : 5.39 sq.ft.lb Design : N	Output Poles Frequency Rated voltage Rated current L. R. Amperes LRC No load current Rated speed		: 30 HP ( : 4 : 50 Hz : 380 V : 42.3 A : 317 A : 7.5 : 16.5 A : 1470 rp		Tempel Duty cy Ambier Altitude Protect Cooling Mountil Rotatio Noise I	rature rise rocle to temperature rion degree method ng n¹ evel²	: 80 K : S1 : -20°C : 1000 i : IP55 : IC411 : B3L(E : Both (		
## Continuation	Rated torque Locked rotor torque Breakdown torque Insulation class Service factor Moment of inertia	е	: 270 % : 300 % : F : 1.25 : 5.39 sq				: 438 lb	)	
Power Factor	Output	50%	75%	100%	Foundati	Foundation loads			
Concess at normative operating points (speed;torque), in percentage of rated output power	Efficiency (%)				Max. traction		: 1252 lb		
P1 (0,9;1,0)   7.2   7.0   6.5	Power Factor	0.70 0.62	0.80 0.7	74 0.85 0.81	Max. compression		: 1689 lb		
P2 (0,5;1,0)   5.5   5.3   5.0	osses at normati			eed;torque), in perce	entage of ra	ited output powe	er		
P3 (0,25;1,0)									
P4 (0,9:0,5)									
P5 (0,5;0,5) 2.7 2.6 2.4  P6 (0,5;0,25) 2.0 2.0 1.8  P7 (0,25;0,25) 1.3 1.3 1.2    Drive end									
P6 (0,5;0,25) 2.0 2.0 1.8 P7 (0,25;0,25) 1.3 1.3 1.2    Drive end   Non drive end   6211 C3   62	Losses (%)							_	
P7 (0,25;0,25)  1.3  1.3  1.2    Drive end   Non drive end   6211 C3     Sealing									
Drive end Non drive end Bearing type : 6311 C3 6211 C3 Sealing : V'Ring V'Ring Lubrication interval : 20000 h 20000 h Lubricant amount : 18 g 11 g Lubricant type : Mobil Polyrex EM  This revision replaces and cancel the previous one, which nust 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 nanufacturing process. 4) At 100% of full load.									
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