DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer	:								
Product line	: W22 Tru	u-Metric I			Product code : Catalog # :		11711384 07536ET3Y280S/M-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		: 280S/M : 100 HP (75 kW) : 2 : 50 Hz : 380 V : 134 A : 993 A : 7.4 : 27.5 A : 2970 rpm : 1.00 % : 177 ft.lb : 200 % : 240 % : F : 1.25		Locked rotor time Temperature rise Duty cycle Ambient temperature Altitude Protection degree Cooling method Mounting Rotation¹ Noise level² Starting method Approx. weight³		: 57s (cc : 80 K : S1 : -20°C t : 1000 n : IP55 : IC411 : B3L(E) : Both (C : 77.0 dl	: 57s (cold) 32s (hot) : 80 K : S1 : -20°C to +40°C : 1000 m.a.s.l.		
Moment of inertian Design Output	` '	28.6 sq N 75%	100%	Foundati	on loads				
Efficiency (%)	•			Max. trac		: 358 lb			
Emciency (70)	92.4	94.1	94.5	Wax. true	alon .	. 000 15			
Power Factor	0.84 0.80 0.80	0.88 0.8 0.87	36 0.89 0.87 0.88	Max. con	npression	: 1989 lb			
Losses at normati	ve operating po	oints (spe	eed;torque), in perc	entage of ra	ated output powe	er			
	P1 (0,9;1,0)		4.3	4	4.0				
	P2 (0,5;		2.4		2.2				
	P3 (0,25;		1.8		.7	2.2			
Losses (%)	P4 (0,9;0,5)		3.1		2.8	3.7			
	P5 (0,5;0		1.3		.2	1.5			
	P6 (0,5;0		1.0	0.9		1.2			
<u> </u>	P7 (0,25;0	0,25)	0.4	(0.5			
B			Drive end		Non drive e				
Bearing type	:		6314 C3	6314 C3 WSeal		5			
Sealing Lubrication interv	:		WSeal 4000 h		4000 h				
Lubricant amount			27 g		27 g				
Lubricant type				bil Polyrex	-				
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.				
Rev.		Chang	es Summary		Performed	Checked	Date		

Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	26/03/2024			1/1	