DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer	:								
Product line	: W22 Tru-Metric IE2 Three-Phase			Product code : Catalog # :			12422935 18512EP3Y315L-W22		
Frame Output Poles Frequency Rated voltage Rated current L. R. Amperes LRC No load current Rated speed Slip Rated torque Locked rotor torque	ıe	: 315L : 250 HP : 6 : 50 Hz : 380 V : 351 A : 2422 A : 6.9 : 129 A : 990 rpr : 1.00 % : 1330 ft : 200 %	n	Locked rotor time Temperature rise Duty cycle Ambient temperature Altitude Protection degree Cooling method Mounting Rotation¹ Noise level² Starting method Approx. weight³			: 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) : 68.0 dB(A) : Direct On Line : 3159 lb		
Breakdown torque Insulation class Service factor Moment of inertia Design	2	: 210 % : F : 1.15 : 243 sq. : N	ft.lb						
Output	50%	75%	100%	Foundati	on loads				
Efficiency (%)	95.2 94.7 94.5	95.4 95 95.4		Max. trac		: 5	5567 lb		
Power Factor	0.73 0.66 0.65	0.82 0.7 0.78	77 0.84 0.81 0.83	Max. con	npression	: 8	3726 lb		
osses at normativ	e operating p	points (sp	eed;torque), in perc	entage of ra	ated output pov	wer			
	P1 (0,9;1,0)		5.2	5	5.0				
	P2 (0,5;1,0)		3.8		3.6				
	P3 (0,25;1,0)		3.1		2.9				
Losses (%)	P4 (0,9;0,5)		3.2	3	3.1		_		
	P5 (0,5;0,5)		2.0	1	1.9				
	P6 (0,5;0,25)		1.6	1.5		1.5			
	P7 (0,25	5;0,25)	0.9	().9	0.9			
Bearing type	·		Drive end 6319 C3			C3	1		
Sealing	. :		WSeal	WSeal 16000 h					
Lubrication interval		: 13000 h							
Lubricant amount Lubricant type	:		45 g Mo	34 g bil Polyrex EM					
Notes:									
This revision replacement be eliminated 1) Looking the mo 2) Measured at 1n 3) Approximate we manufacturing process.	l. tor from the s n and with to eight subject cess.	shaft end. lerance of	f +3dB(A).		re average val upply, subject t				
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Date	26/03/2024			1/1	