DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer	:					
Product line	: W22 IE2 Three-Phase		Product code Catalog # :		14414751 E01112EP3Y160LF3-W22	
Frame	: 160L		Locked rotor time	: 27s (co	old) 15s (hot)	
Output	: 11 kW (15 HP)		Temperature rise	: 80 K	31d) 100 (110t)	
Poles	: 6		Duty cycle	: S1		
Frequency	: 50 Hz		Ambient temperatur		: -20°C to +40°C	
Rated voltage	: 380/660 V		Altitude		: 1000 m.a.s.l.	
			Protection degree		: IP55	
Rated current	: 23.6/13.6 A					
L. R. Amperes	: 142/81.	.5 A	Cooling method		: IC411 - TEFC	
LRC	: 6.0	40.4	Mounting		: B3T	
No load current	: 13.0/7.4		Rotation ¹		: Both (CW and CCW)	
Rated speed	: 975 rpn		Noise level ²	: 57.0 dl		
Slip	: 2.50 %		Starting method	: Direct	On Line	
Rated torque	: 79.5 ft.I	lb	Approx. weight ³	: 300 lb		
Locked rotor torque						
Breakdown torque						
Insulation class	: F					
Service factor	: 1.00					
Moment of inertia ((J) : 3.95 sq	ı.ft.lb				
Design	: N	,				
Dutput	25% 50%	75% 100%	Foundation loads			
<u>'</u>	87.6 86.6 88.0 87.0 8		Max. traction	: 1108 lb		
incicitoy (70)	85.5 86.5 86.0 87.0 8		Wax. traction	. 110010		
Power Factor	0.35 0.32 0.62 0.58 (Max. compression	: 1409 lb		
ower ractor	0.29 0.30 0.54 0.55 (Max. compression	. 1400 10		
_osses at normative	e operating points (sperating points)	eea;torque), in perce	entage of rated output p	12.4	10.6	
	P2 (0,5;1,0)	10.7	10.7	10.7	9.1	
		10.7	10.7	10.7	8.6	
1 (0/)	P3 (0,25;1,0)					
Losses (%)	P4 (0,9;0,5)	6.6	6.6	6.6	5.7	
	P5 (0,5;0,5)	4.7	4.7	4.7	4.0	
	P6 (0,5;0,25)	3.5	3.5	3.5	3.0	
	P7 (0,25;0,25)	2.5	2.5	2.5	2.1	
		Drive end	Non driv			
Bearing type	:	6309 ZZ C3	6209 2			
Sealing	:	V'Ring	V'R	ing		
Lubrication interva	l :	-	-			
Lubricant amount	:	-	-			
Lubricant type	:	Мо	bil Polyrex EM			
Notes:						
NOIES.						
			<u> </u>			
This revision replac	es and cancel the pre	vious one, which	These are average v	alues based on tests	s with sinusoidal	
This revision replaces and cancel the previous one, which must be eliminated.			power supply, subjec			
	tor from the shaft end.		60034-1.	t to the tolerances Si	apaiated III ILO	
			00004-1.			
	n and with tolerance of					
	eight subject to change	es allei				
manufacturing proc						
(4) At 100% of full le						

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Rev.	Changes Summary		Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	26/03/2024			1/2	

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Customer	

Thermal protection

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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
Date	26/03/2024			2/2	