DATA SHEET

Three Phase Induction Motor - Squirrel Cage

:



Customer

Product line		IE3 Three-	Filase	ı	F	Product of	Joue .	13120	559	
Frame Insulation class Duty cycle Ambient temperature Altitude Protection degree Design		: 250S/M : F : S1 : -20°C to +40°C : 1000 m.a.s.l. : IP55 : N			Mounting: B3Rotation1: BoStarting method: DirApprox. weight3: 472			: B3T : Both : Direc : 472 k	th (CW and CCW) rect On Line	
Output [kW]			55		55		55		Ę	55
Poles		2		2			2		2	
Frequency [Hz]		50			50		50		f	60
Rated voltage [V]		380/660		400/690			415			60
Rated current [A]		101/58.0		97.9/56.7			95.4		85.8	
. R. Amperes [A]		755/435		783/454			811		763	
RC [A]		7.5		8.0			8.5		8.9	
No load current [A] Rated speed [RPM		32.0/18.4 2963		35.0/20.3 2968			37.0 2970		32.0	
Rated speed [RPM Slip [%]	']	2963 1.23		1.07			2970		3572 0.78	
Rated torque [Nm]		1.23		177			177		0.78	
_ocked rotor torque	e [%]	260			280		310		350	
Breakdown torque		290			330		360		370	
Service factor		1.00			1.00		1.00		1.00	
Temperature rise		80 K			80 K		80 K		80 K	
ocked rotor time		16s (cold) 9s (hot)			16s (cold) 9s (hot)		14s (cold)		18s (cold) 10s (hot	
Noise level ²		74.0	dB(A)	74	4.0 dB(A)		74.0 dl	B(A)	79.0	dB(A)
ŀ	25%	-								
Efficiency (%)	50%		3.5		93.3		93.1		92.2	
,	75% 100%		94.0 94.3		94.0		94.0		93.6 93.6	
	25%	5	4.3		94.3		94.4		9	3.0
-	25% 50%	0.78			0.75		0.72		0	.73
Power Factor	75%	0.78		0.83			0.81		0.82	
-	100%		0.88		0.86		0.85		0.86	
Losses at normati				norcor		ad outor				
	P1 (0,		5.7	i percer	5.		at power	5.6		6.5
	P2 (0,			4.7			4.6		_	5.3
		25;1,0)	4.6	4.6			4.5		5.1	
Losses (%)		9;0,5)	2.9			9	2.8		3.2	
	P5 (0,	5;0,5)	1.8	1.8		8	1.8		2.0	
		5;0,25) 1.1		1.1			1.1			1.3
	P7 (0,2	5;0,25)	0.7		0.	7		0.7		0.8
Bearing type Sealing Lubrication interval Lubricant amount Lubricant type		: 6314 : WS : 500 : 27	Drive end 6314 C3Non drive end 6314 C3WSeal6314 C3WSealWSeal5000 h5000 h27 g27 gMobil Polyrex EM		Foundation loads Max. traction Max. compression		: 3046 N : 7679 N			
This revision repla must be eliminated (1) Looking the mo (2) Measured at 11 (3) Approximate w manufacturing pro (4) At 100% of full	d. otor from the m and with to reight subjec cess.	shaft end. olerance of	⁺ +3dB(A).	ich				based on te		
Rev.		Changes Summary				Performed Che		Checke	cked Date	
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Notes

Rev.		Changes Summary	Performed	Checked	Date
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Performed by					
Checked by				Page	Revision
Date	30/08/2023			2/3	

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ID	Application	Sensing	Temperature		
1	Winding	Type Thermistor - 2 wires	Quantity 1 x Phase		55 °C
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Rev.	Chan	ges Summary	Performed	Checked	Date
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Checked by				Page	Revision
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