DATA SHEET

Three Phase Induction Motor - Squirrel Cage

:



Customer

Product line		IE3 Three-	1 11035		[oduct coo		1286820	
Frame Insulation class Duty cycle Ambient temperature Altitude Protection degree		: 100L : F : S1 : -20°C to +40°C : 1000 m.a.s.l. : IP55			Cooling method: IC411 - TEFCMounting: B5TRotation1: Both (CW and CCVStarting method: Direct On LineApprox. weight3: 34.3 kgMoment of inertia (J): 0.0090 kgm²			CW and CCW) On Line g	
		: N	2.2		2.2		2.2		2.2
Output [kW] Poles		2.2			4		4		2.2
Frequency [Hz]		50			50		50		60
Rated voltage [V]		220/380			230/400		240/415		460
Rated current [A]		8.22/4.76		5	8.03/4.62		7.89/4.56		4.06
. R. Amperes [A]		60.8/35.2		6	62.7/36.0		64.7/37.4		36.5
_RC [A]	_	7.4		7.8			8.2		9.0
No load current [A		3.80/2.20		2	4.17/2.40		4.50/2.60		2.20
Rated speed [RPN	1]	1430			1435		1440		1745
Slip [%] Rated torque [Nm]		4.67 14.7			4.33 14.6		4.00 14.6		3.06 12.0
_ocked rotor torqu		310			350		380		409
Breakdown torque		290			340		370		400
Service factor	r1	1.00			1.00		1.00		1.00
Temperature rise		80 K			80 K		80 K		80 K
_ocked rotor time		32s (cold) 18s (hot)			(cold) 18s (hot)		2s (cold) 18s (hot)		32s (cold) 18s (hot)
Noise level ²	25%	53.0) dB(A)	5	3.0 dB(A)		53.0 dB(A)	54.0 dB(A)
-	25% 50%	87.2		00 5			85.7		84.0
Efficiency (%)	75%		37.2 37.1		86.5 87.0		85.7		86.5
	100%		37.1 36.7		87.0		87.2		89.5
	25%						01.2		
Dower Faster	50%	().62		0.59		0.55		0.55
Power Factor	75%	0.75 0.81		0.72			0.68 0.77		0.68
	100%				0.79				0.76
Losses at normat				n percer	-				· · · -
		,9;1,0)	15.3		14.9		14		11.7
		,5;1,0) 25:1.0)	13.9 12.5		13.5 12.2		13.3 11.9		10.6 9.5
Losses (%)						2.2 6.5			5.1
200000 (70)		,5;0,5)	5.0		4.9		6.4 4.8		3.8
		5;0,25)	3.1		3.0		3.0		2.4
		25;0,25)	2.4		2.3		2.3		1.8
Bearing type		Drive endNon drive end6206 ZZ6205 ZZ		Foundation loads Max. traction : 1036 N			1		
Sealing Lubrication interval		: Oil Seal Lip Seal		Max. compression : 1372 N					
Lubrication Interv		· -		-					
Lubricant type	-	: M	obil Polyrex E	M					
This revision repla must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v manufacturing pro (4) At 100% of ful	d. otor from the m and with to veight subjectocess.	shaft end. olerance o	f +3dB(A).	nich					s with sinusoidal stipulated in IEC
Rev.		Changes Summary				Performed Check		Checked	Date
Performed by									
Checked by								Page	Revision
Checked by	Date 30/08/2023						1	•	

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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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					1
Rev.	Chan	ges Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	30/08/2023		1	3/3	1

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