## DATA SHEET

### Three Phase Induction Motor - Squirrel Cage



Customer :

Customer	:									
Product line	: W22	IE3 Three-	Phase			Product	t code :	12932	2479	
Frame Insulation class Duty cycle Ambient temperature Altitude Protection degree Design		: 90S : F : S1 : -20°C to +40°C : 1000 m.a.s.l. : IP55 : N		Cooling method Mounting Rotation¹ Starting method Approx. weight³ Moment of inertia (J)		: B5T : Both : Direc : 21.5	: IC411 - TEFC : B5T : Both (CW and CCW) : Direct On Line : 21.5 kg : 0.0020 kgm²			
Output [kW]			1.5		1.5		1	.5		1.5
Poles			2		2		2	2		2
Frequency [Hz]			50		50			0		60
Rated voltage [V]			0/380		230/400			/415		460
Rated current [A]		5.56/3.22		5.51/3.17			5.50/3.18			2.75
L. R. Amperes [A]			2/20.9		38.6/22.2			/23.9		23.1
LRC [A]			6.5		7.0			.5		8.4
No load current [A			2/1.40	2	2.78/1.60		3.11/1.80			1.50
Rated speed [RPN	/lj		2870		2885			2895 3.50		3505
Slip [%]	1	4.33			3.83					2.64
Rated torque [Nm]			4.99		4.97			95		4.09
Locked rotor torqu		220			250			70		300
Breakdown torque Service factor	[70]	270			300 1.00			30 00		409 1.00
			1.00 30 K		80 K			00 ) K		80 K
Temperature rise  Locked rotor time			d) 10s (hot)	190 /	cold) 10s (	hot)		) 10s (hot)	190	(cold) 10s (hot)
Noise level <sup>2</sup>			0 dB(A)		2.0 dB(A)	1101)		dB(A)		68.0 dB(A)
TVOISC ICVCI	25%	02.0	J dB(A)	0	2.0 UD(A)		02.0	dD(A)		00.0 db(A)
	50%	82.0			82.0		81	1.5		81.0
Efficiency (%)	75%		33.5		83.5			3.5		84.0
	100%		34.2		84.2			1.2		85.5
	25%									
	50%	(	0.67		0.62		0.	57		0.61
Power Factor	75%	(	0.78		0.74		0.	70		0.73
	100%	(	0.84		0.81		0.78			0.80
Losses at normat	ive operating	noints (sn	eed:torque) i	n nercei	ntage of ra	ited out	nut nower			
Losses at normal		,9;1,0)	18.7	•		8.7	put power	18.7		16.9
		,5,1,0) ,5;1,0)	17.4			7.4		17.4	+	15.7
		25;1,0)	16.2			6.2		16.2		14.6
Losses (%)		,9;0,5)				3.8		8.8		7.9
		,5;0,5)	6.2		_	5.2		6.2	$\dashv$	5.6
		5;0,25)	4.1			i.1		4.1		3.7
		25;0,25)	2.9		2	2.9		2.9		2.7
	1	Drive	end Non dr	ive end	Foundati	ion load	s			
Bearing type		: 6205		04 ZZ	Max. trad			: 373 N	J	
Sealing		: V'R	ing V'	'Ring	Max. cor		on	: 584 N		
Lubrication inter	/al	: -		-		•				
Lubricant amour	it	: -		-						
Lubricant type		: N	lobil Polyrex E	ΞM						
This revision repl must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v manufacturing pro	ed. lotor from the Im and with t weight subject ocess.	shaft end olerance o	f +3dB(A).	hich		ıpply, sı		based on te		th sinusoidal lated in IEC
(4) At 100% of ful	i ioad.									
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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

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Checked by		_		Page	Revision
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