DATA SHEET

Three Phase Induction Motor - Squirrel Cage

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Product line			EE 841 NEM		ium F	Product co	de : 114	432051	
Frame Insulation class Duty cycle Ambient temperature Altitude		: 213/5T : F : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l.			Cooling method Mounting Rotation ¹ Starting method Approx. weight ³		: F : B : C	: IC411 - TEFC : F-1 : Both (CW and CCW) : Direct On Line : 81.5 kg	
Protection degree Design		: IP56 : B			Moment of inertia (J)			: 0.0620 kgm²	
Output [HP] Poles		5		5			5 6		5
Frequency [Hz]		60		50			50		50
Rated voltage [V]		460		380			400		415
Rated current [A]		6.83			8.20		7.82		7.65
L. R. Amperes [A]		46.4		45.1			47.7		49.7
RC [A]		6.8x(Code J)		5.5	5.5x(Code G)		6.1x(Code H)		6.5x(Code J)
No load current [A]		3.45		0.0	3.41		3.68		3.90
Rated speed [RPM	1	1170		960			965		970
Slip [%]	1	2.50		4.00			3.50		3.00
Rated torque [kgfm	1	3.10		3.78			3.76		3.74
_ocked rotor torque		170			150		160		190
Breakdown torque		260			215		220		250
Service factor	L ^ ~ J	1.25			1.00		1.00		1.00
Temperature rise		80 K			80 K		80 K		80 K
Locked rotor time		102s (cold) 57s (hot)		54e (r	s (cold) 30s (hot)		s (cold) 30s (ho	t) 54	s (cold) 30s (hot
Noise level ²) dB(A)		3.0 dB(A)		53.0 dB(A)	<u>()</u>	53.0 dB(A)
	25%	00.0			0.0 0.0(7)		00.0 GB(/ ()		00.0 00(71)
Efficiency (%)	50%	5	88.5		88.5		88.5		87.5
	75%		39.5		88.5		88.5		88.5
	100%		89.5		86.8			87.5	
	25%		55.5		00.0		07.5		88.5
Power Factor	50%	0.58			0.65		0.61		0.58
	75%	0.56			0.05		0.73		0.71
	100%	0.76			0.79		0.78		0.76
									0.70
Losses at normativ				n percer					
		,9;1,0)	11.1		14.4		13.5		12.3
		,5;1,0)	9.1		11.8		11.1		10.1
		25;1,0)	8.8		11.4		10.8		9.8
Losses (%)		,9;0,5)	5.8		7.5		7.1		6.4
		,5;0,5)	4.0		5.		4.9		4.5
		5;0,25)	2.9 2.1		3.		3.5		3.2
	P7 (0,2),25;0,25)			2.7		2.6		2.3
Bearing type Sealing Lubrication interval		: <u>Drive end</u> <u>Non drive end</u> : 6308 C3 6207 C3			Foundation Max. trac		: 13	: 132 kgf : 214 kgf	
			Inpro/Seal Inpro/Seal 20000 h 20000 h		Max. com	Max. compression			
Lubricant amount Lubricant type		: 11 : N	g lobil Polyrex E	7 g EM					
This revision repla must be eliminated (1) Looking the mo (2) Measured at 11 (3) Approximate w	d. otor from the m and with t eight subject	e shaft end olerance o	f +3dB(A).	nich			values based o cct to the tolerar		/ith sinusoidal ulated in NEMA
manufacturing pro	Changes Summary			Performed		ned Cha	cked	Date	
		Unang	jes Summary			Fellom		UKEU	Dale
Rev.					1				
Performed by									
							Pa	age	Revision

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Notes

					
Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	27/10/2024	-		2/6	

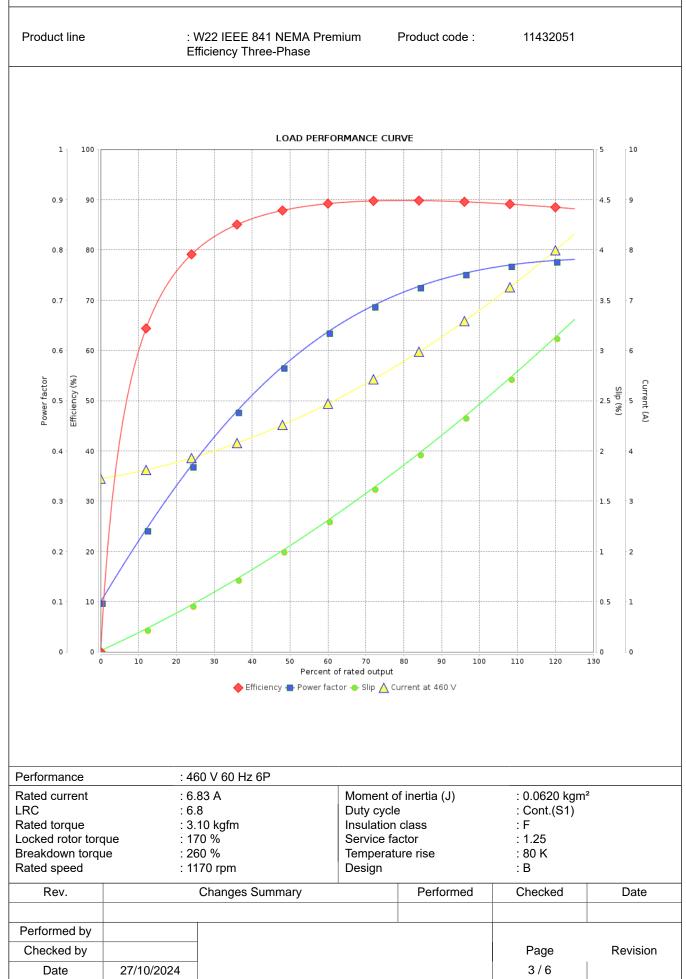
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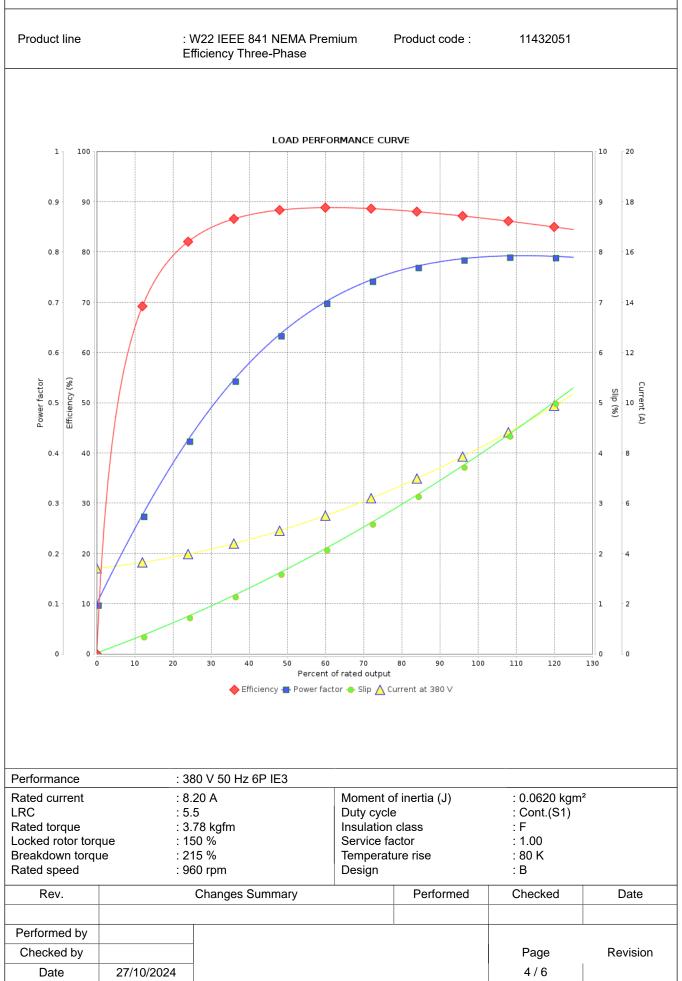
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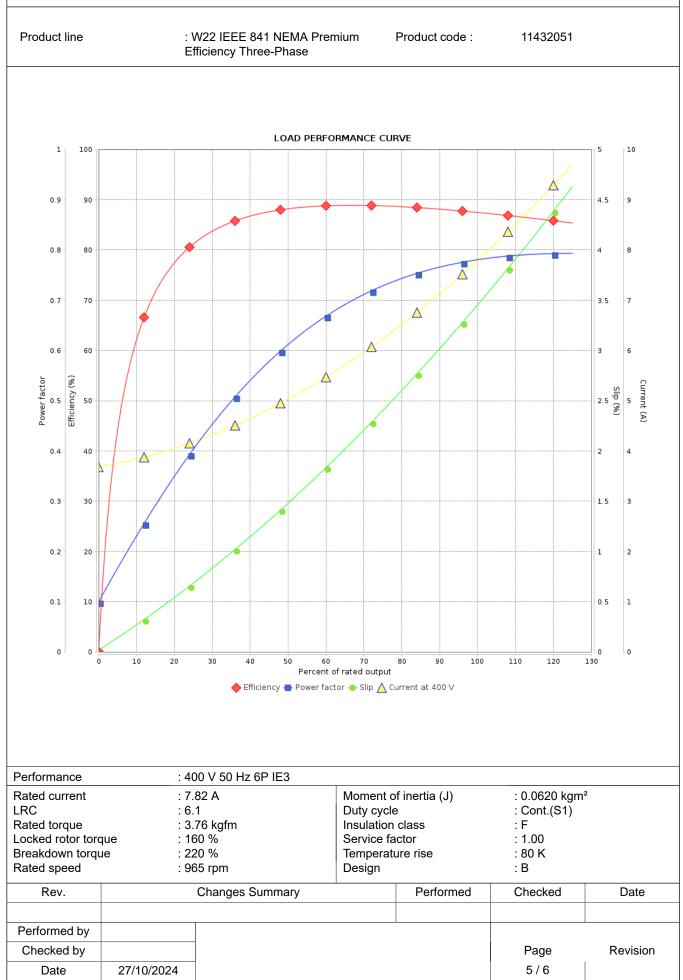


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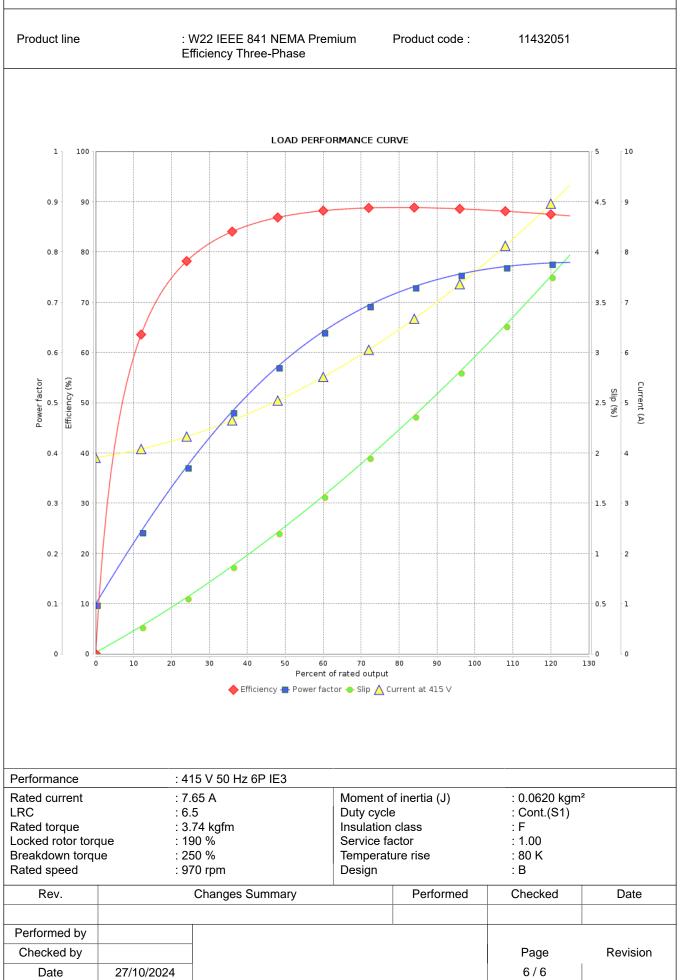
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