# DATA SHEET

Three Phase Induction Motor - Squirrel Cage

:



#### Customer

Product line		: W22 N Three-P	EMA Premiun hase	n Efficie	ncy F	Product	code :	13025	590	
Frame Insulation class Duty cycle Ambient temperature		: 182/4TC : F : Cont.(S1) : -20°C to +40°C			Cooling method Mounting Rotation <sup>1</sup> Starting method			: IC411 - TEFC : F-1 : Both (CW and CCW) : Direct On Line		
Altitude	ature	: 1000 m.a.s.l.			Approx. weight <sup>3</sup>			: 46.0 kg		
Altitude Protection degree		: IP55			Moment of inertia (J)			: 0.0243 kgm <sup>2</sup>		
Design	C	: IF 35						. 0.0243 Kgm		
Dutput [HP]			1.5		1.5		1.5			1.5
Poles		8		8			8			8
Frequency [Hz]		60		50			50			50
Rated voltage [V]		230/460		380			400		415	
Rated current [A]		5.68/2.84		3.10			3.13		3.11	
L. R. Amperes [A]		33.5/16.8		15.5			17.2		18.7	
LRC [A]		5.9x(Code L)		5.0x(Code J)			5.5x(Code K)		6.0x(Code L)	
No load current [A]		4.20/2.10		2.00			2.30		2.50	
Rated speed [RPM]		860		700			705			710
Slip [%]	-	4.44		6.67			6.00			5.33
Rated torque [kgfm]		1.25		1.52			1.51		1.51	
ocked rotor torqu		229		210			240		260	
Breakdown torque [%]		290		220			240		270	
Service factor		1.25			1.00		1.00			1.00
Temperature rise		80 K			80 K		80 ł			80 K
Locked rotor time		30s (cold) 17s (hot)		30s (o	B0s (cold) 17s (hot)			0s (cold) 17s (hot)		cold) 17s (hot
Noise level <sup>2</sup>			) dB(A)		6.0 dB(A)		46.0 dE			6.0 dB(A)
	25%									. ,
Efficiency (%)	50%	-	76.0		74.0		74.5			73.5
Efficiency (%)	75%	-	78.0		76.0		76.0			76.0
	100%	-	78.5		77.0		76.9	76.9		76.9
Power Factor	25%									
	50%		0.43		0.51		0.47			0.44
	75%		0.54		0.62		0.58			0.55
	100%	(	0.62		0.70		0.66	6		0.64
Losses at normat	ive operating	points (sp	eed;torque), i	n percer	ntage of rat	ted outp	ut power			
	P1 (0,	),9;1,0) 25.9			28.3		28.4			28.4
	P2 (0,	5;1,0)	20.5		22.4		22.5		22.5	
	P3 (0,2	25;1,0)	18.6		20.3		20.4		20.4	
Losses (%)	P4 (0,		18.4		20.1		20.2		20.2	
	P5 (0,		13.2		14.4		14.4		14.4	
		,5;0,25) 11.6			12.7		12.8			12.8
	P7 (0,2	25;0,25) 8.8			9.6			9.7 9.7		9.7
		Drive end Non drive			Foundation loads					
Bearing type		6207		)6 ZZ	Z Max. traction			: 63 kgf		
Sealing		: V'Ring V'Ring			Max. compression			: 109 kgf		
Lubrication interval		:								
Lubricant amount		:								
Lubricant type		: N	lobil Polyrex E	:M						
<ul> <li>This revision replaces and cancel the previous one, which must be eliminated.</li> <li>(1) Looking the motor from the shaft end.</li> <li>(2) Measured at 1m and with tolerance of +3dB(A).</li> <li>(3) Approximate weight subject to changes after manufacturing process.</li> </ul>			nich	These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG-1.						
	JUESS.				<u>                                     </u>	- ·	I	01	-l	D-1
Rev.		Changes Summary				Perfo	ormed	Checke	a	Date
Performed by										
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		1						-		
Date	29/10/2024							1/6		

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Notes USABLE @208V 5.97A SF 1.15 SFA 6.87A

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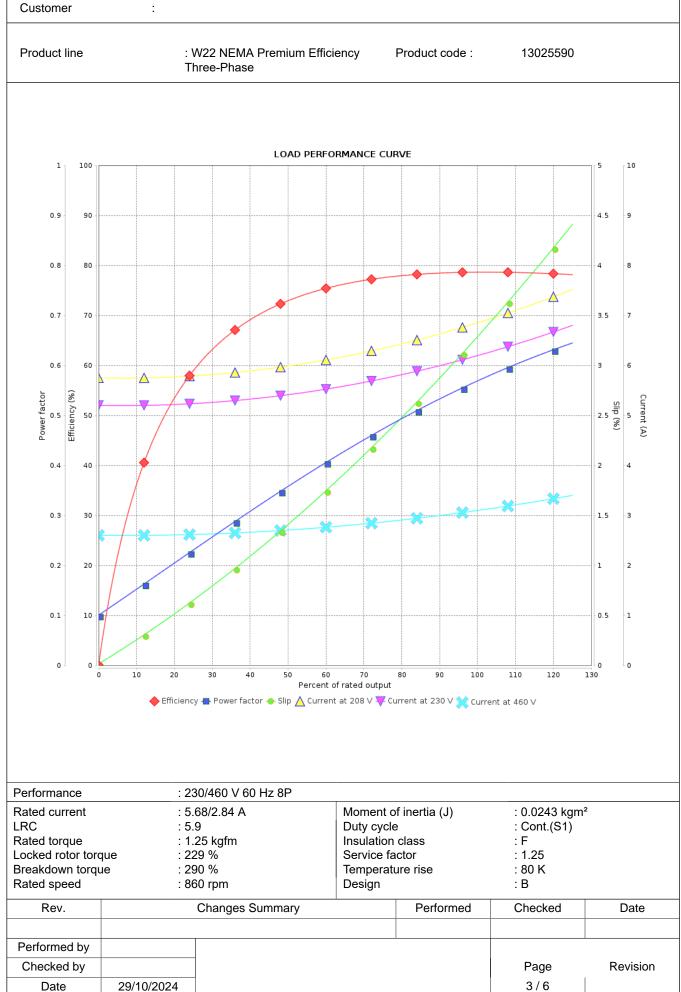
Rev.		Changes Summary	Performed	Checked	Date
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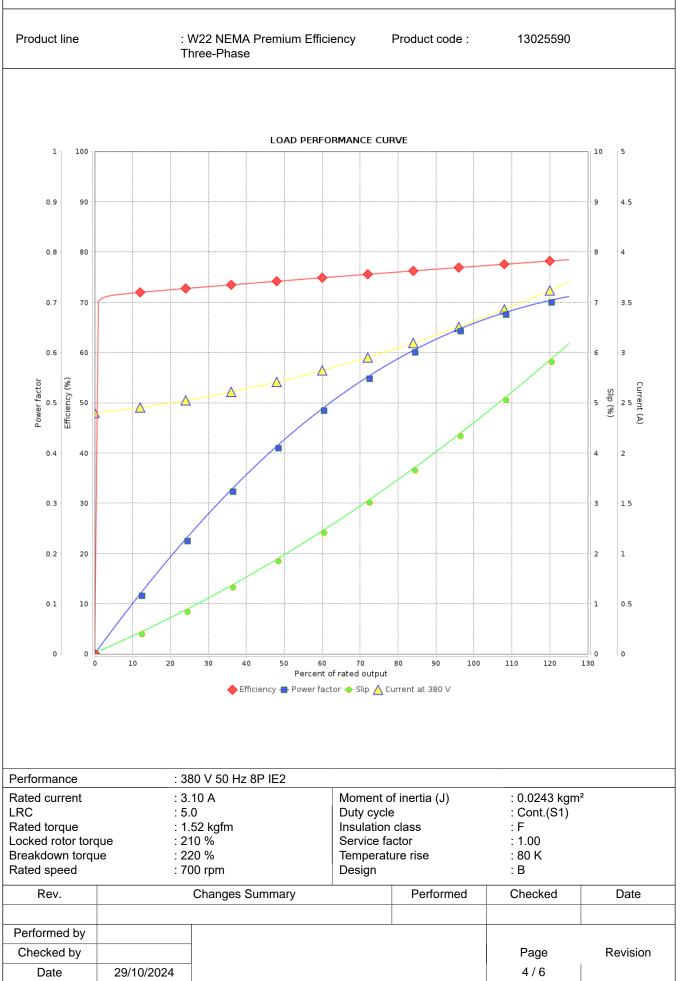
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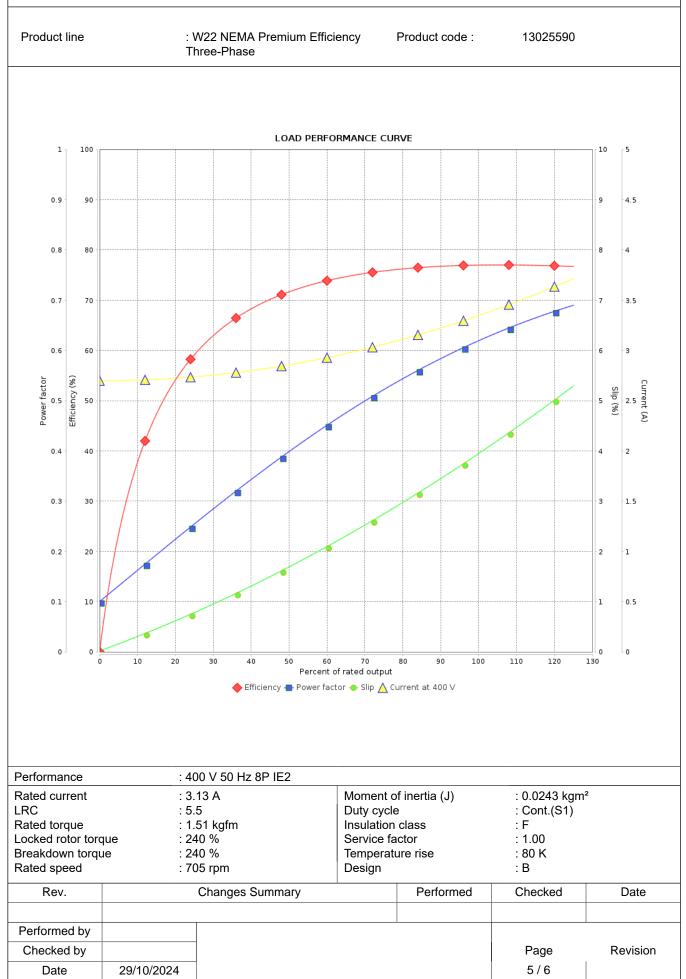


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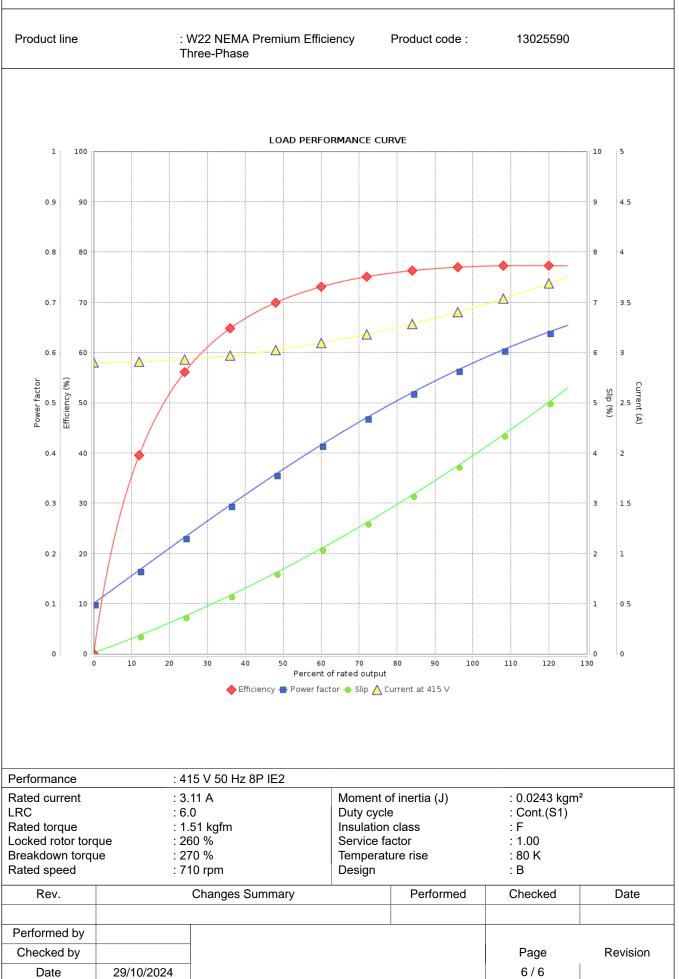
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