# DATA SHEET

Three Phase Induction Motor - Squirrel Cage

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Product line		: W22 N Three-P	EMA Premiun hase	n Efficiei	ncy Pro	duct code :	12744	12744764	
Frame Insulation class Duty cycle Ambient temperature Altitude Protection degree		: 284/6TC : F : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IP55			Cooling method Mounting Rotation <sup>1</sup> Starting method Approx. weight <sup>3</sup> Moment of inertia (J)		: IC411 - TEFC : F-1 : Both (CW and CCW) : Direct On Line : 195 kg : 0.3448 kgm <sup>2</sup>		
Design		: B					. 0.01	io kgm	
Output [HP]		15			15		5	15	
Poles		8			8		8	8	
Frequency [Hz]		60 230/460		50 380			0 00	50 415	
Rated voltage [V] Rated current [A]		39.2/19.6			23.6		2.7	22.1	
L. R. Amperes [A]		216/108		101				113	
L. R. Amperes [A]		5.5x(Code G)		4.3x(Code D)			ode F)	5.1x(Code F)	
No load current [A]		19.6/9.80		9.70			).5	11.1	
Rated speed [RPM]		880		<u> </u>	720		25	730	
Slip [%]		2.22		<u> </u>	4.00		33	2.67	
Rated torque [kgfm		12.4		L	15.1		5.0	14.9	
Locked rotor torque		200			150		70	190	
Breakdown torque [%]		229			180	20	00	220	
Service factor		1.25			1.00		00	1.15	
Temperature rise		80 K			105 K		5 K	105 K	
Locked rotor time		45s (cold) 25s (hot)			cold) 18s (hot)		) 18s (hot)	32s (cold) 18s (hot	
Noise level <sup>2</sup>		54.0	) dB(A)	5	2.0 dB(A)	52.0	dB(A)	52.0 dB(A)	
Efficiency (%)	25%								
	50%		35.5		88.0		3.0	88.0	
	75% 100%		90.0				3.5 3.6	88.5	
	25%	2	90.2		88.0	80	5.0	88.6	
Power Factor	23% 50%	0.62			0.68	0	64	0.62	
	75%	0.02			0.76		74	0.73	
	100%	0.78			0.80		79	0.78	
Loopoo at normati		1							
Losses at normati				n percer	10.3	output power	10.3	10.3	
		(,9;1,0) 10.3			8.2		8.2	8.2	
		0,5;1,0) 8.2 (25;1,0) 7.6			7.6		7.6	7.6	
Losses (%)		,25;1,0) 7.6 0,9;0,5) 5.5			5.5		5.5	5.5	
200000 (70)		,5;0,5)	3.7		3.7		3.7	3.7	
		5;0,25)	2.7		2.7		2.7	2.7	
		25;0,25)	1.8		1.8		1.8	1.8	
			Drive end Non drive end				1.0	1.0	
Bearing type		: 6311		11 C3	Max. traction		· 270 k	of	
Sealing					Max. traction Max. compression		: 372 kgf : 566 kgf		
Lubrication interv	al		: V'Ring V'Ring : 20000 h 20000 h				. 300 K	gi	
Lubricant amount		: 18 g 11 g							
Lubricant type			lobil Polyrex E						
This revision repla must be eliminate (1) Looking the me (2) Measured at 1 (3) Approximate w	d. otor from the m and with t veight subjec	shaft end olerance o	f +3dB(A).	nich				ests with sinusoidal s stipulated in NEMA	
manufacturing pro	cess.	~			<u> </u>				
Rev.		Chang	ges Summary			Performed	Checke	ed Date	
Performed by									
							Page	Revision	

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Notes

USABLE @208V 42.9A SF 1.15 SFA 49.3A

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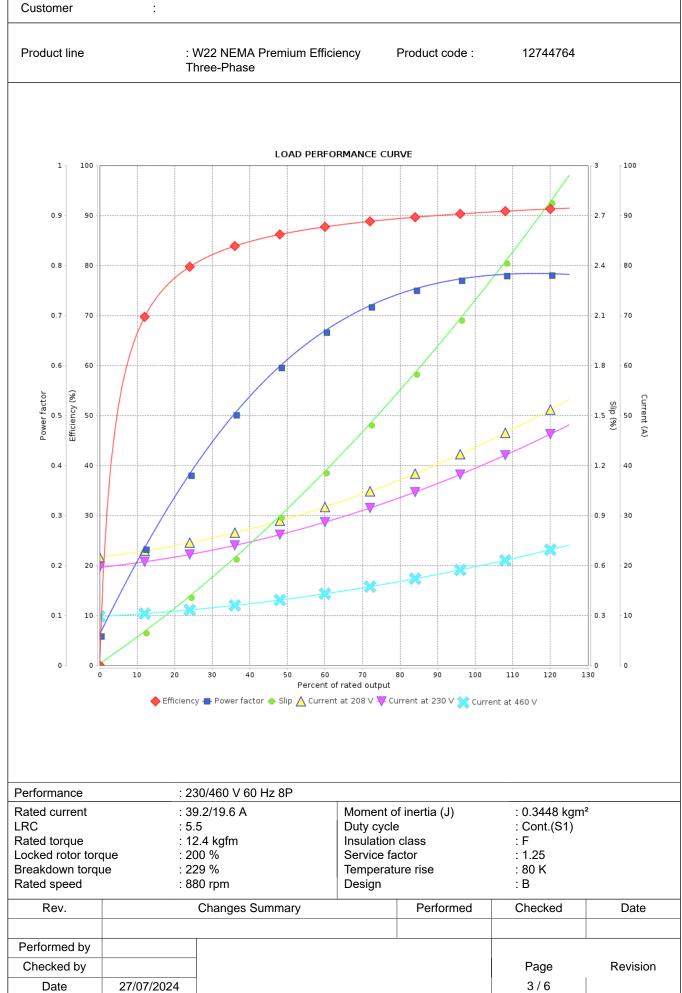
Rev.		Changes Summary	Performed	Checked	Date
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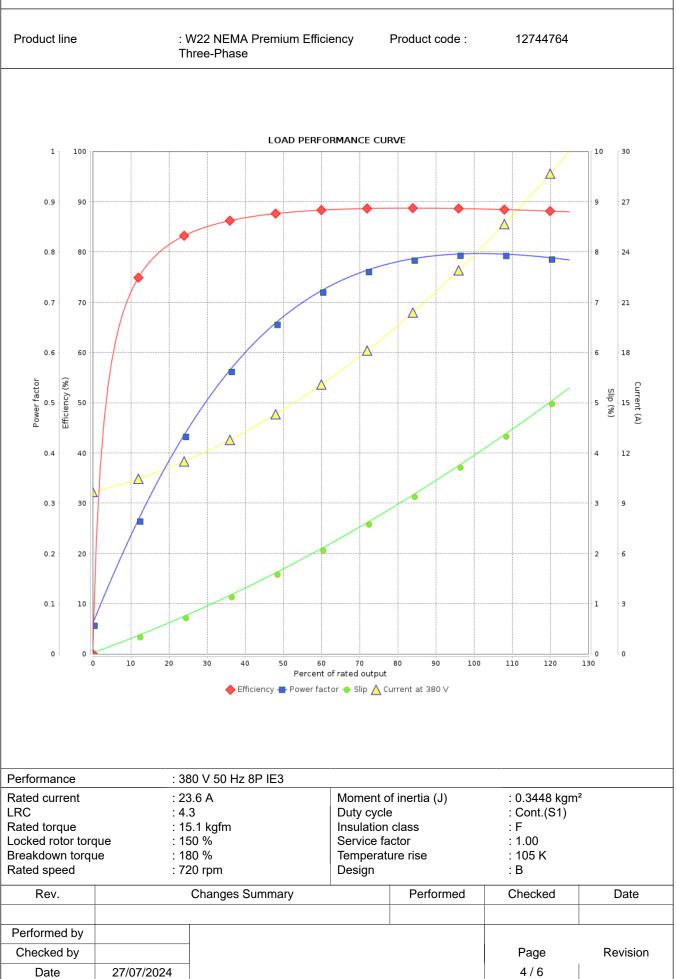
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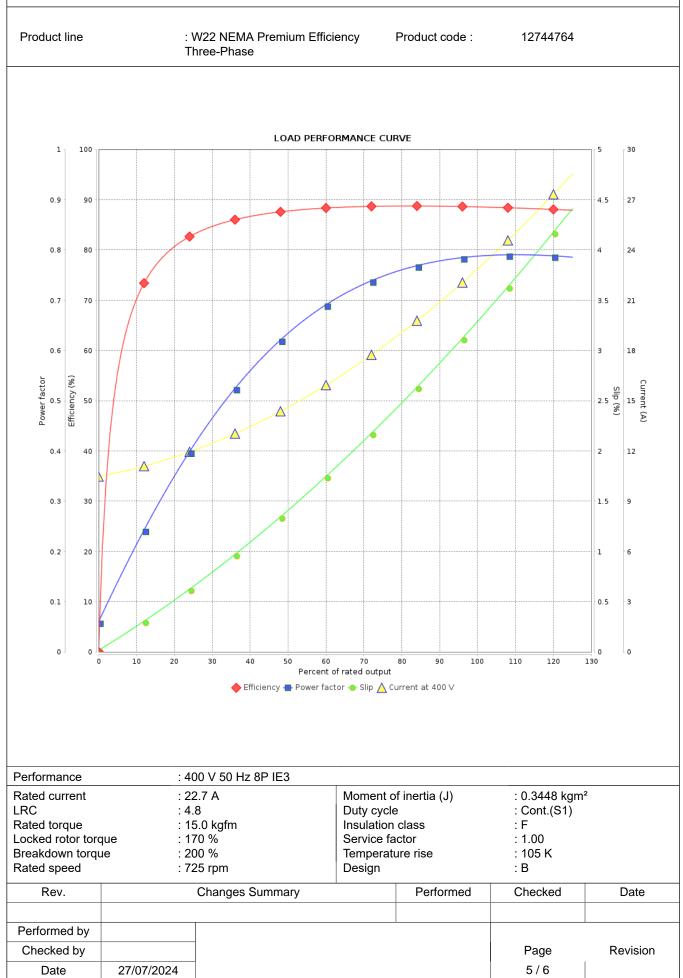


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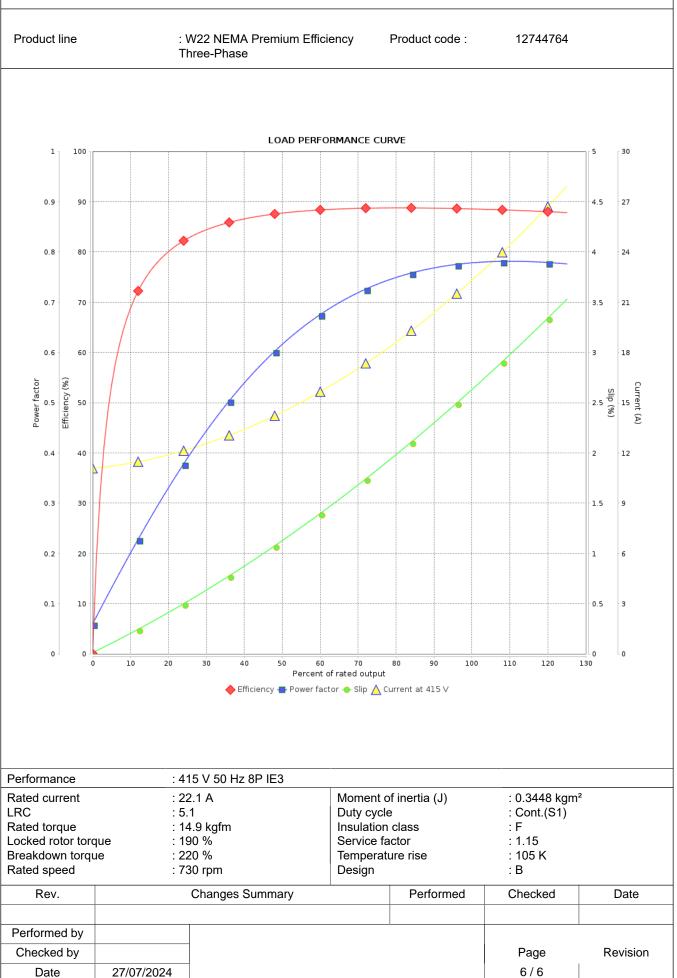
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