## DATA SHEET

Three Phase Induction Motor - Squirrel Cage

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#### Customer

Product line	: W22 I Phase	NEMA Pre	mium Efficien	icy Thre	e- l	Product	code :	12446	748	
Frame Insulation class Duty cycle Ambient temperature Altitude Protection degree Design		: 284/6T : F : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IP55 : B			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 : 165 kg : 0.3034 kgm <sup>2</sup>		
Output [HP]			10	1	10		1(	n		10
Poles		8		8			8			8
Frequency [Hz]		60		50			50			50
Rated voltage [V]		230/460		380			400		415	
Rated current [A]		26.8/13.4		16.1			15.3		15.1	
L. R. Amperes [A]		150/75.0		70.8			75.0		78.5	
.RC [A]		5.6x(Code G)		4.4x(Code E)		)	4.9x(Code F)		5.2x(Code G)	
No load current [A]		13.0/6.50		6.40			6.90		7.35	
Rated speed [RPM]		880		725			725		730	
Slip [%]		2.22		3.33			3.33		2.67	
Rated torque [kgfm]		8.25		10.0			10.0		9.94	
Locked rotor torque [%]		200		150			170		190	
Breakdown torque [%]		240		190			210		229	
Service factor		1.25		1.00			1.15		1.15	
Temperature rise		80 K		105 K			105 K		105 K	
ocked rotor time		57s (cold) 32s (hot)			45s (cold) 25s (hot)		45s (cold) 25s (hot)			cold) 25s (hot)
Noise level <sup>2</sup>	05%	54.0	) dB(A)	5	2.0 dB(A)		52.0 c	IB(A)	Ę	52.0 dB(A)
Efficiency (%)	25%									
	50%		39.5	89.5			88.5		88.5	
	75%	90.2		88.5			88.5			89.5
	100% 25%		90.2		87.5		88.5			88.5
Power Factor	25% 50%	0.61		0.68			0.6	24		0.61
	50% 75%	0.61		0.00			0.64			0.01
	100%		0.72		0.81		0.80			0.72
								00		0.70
Losses at normati				n percer	~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~		out power			
	P1 (0,		10.3 8.5			).3		10.3		10.3
		P2 (0,5;1,0)			8.5		8.5		_	8.5
		P3 (0,25;1,0) P4 (0,9;0,5)			8.4		8.4		8.4	
Losses (%)			5.4		5.4		5.4		5.4	
	P5 (0,		3.7		2.6					
	P6 (0,5		<u>2.6</u> 1.8		1.8			2.6	_	2.6
	P7 (0,2	-	1					1.8		1.8
Bearing type Sealing Lubrication interval Lubricant amount Lubricant type		Drive end         Non drive en           6311 C3         6211 C3           V'Ring         V'Ring           20000 h         20000 h           18 g         11 g           Mobil Polyrex EM			Image: Second state of the second s					
<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>				hich	These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG-1.					
Rev.		Changes Summary			Pe		erformed Checke		ed	Date
Performed by										
					1			Page		Revision

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Notes

USABLE @208V 29.6A SF 1.15 SFA 34.1A

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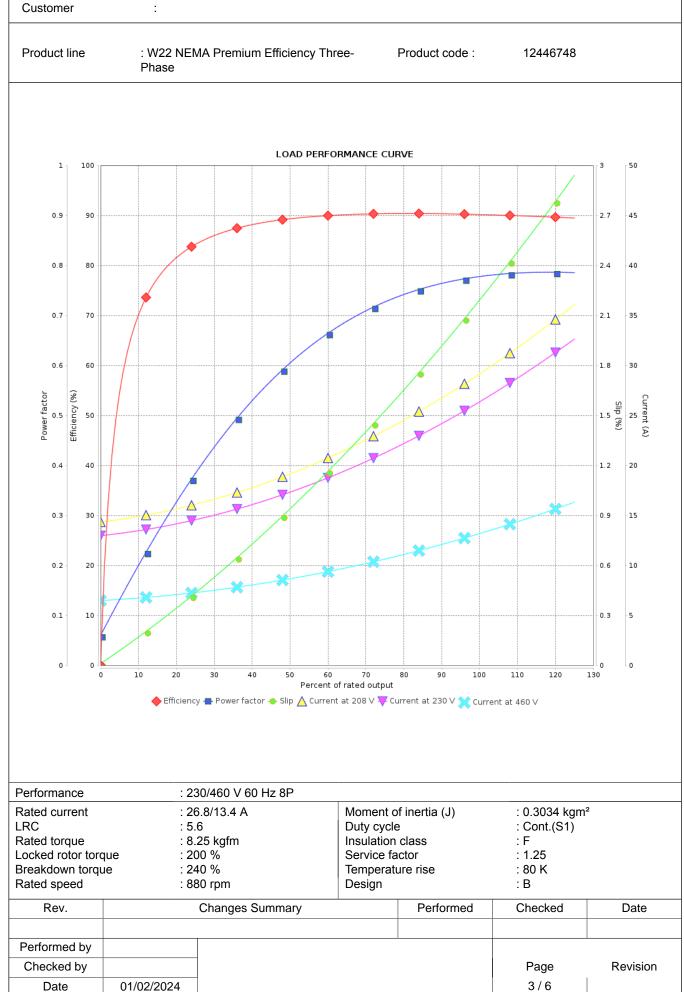
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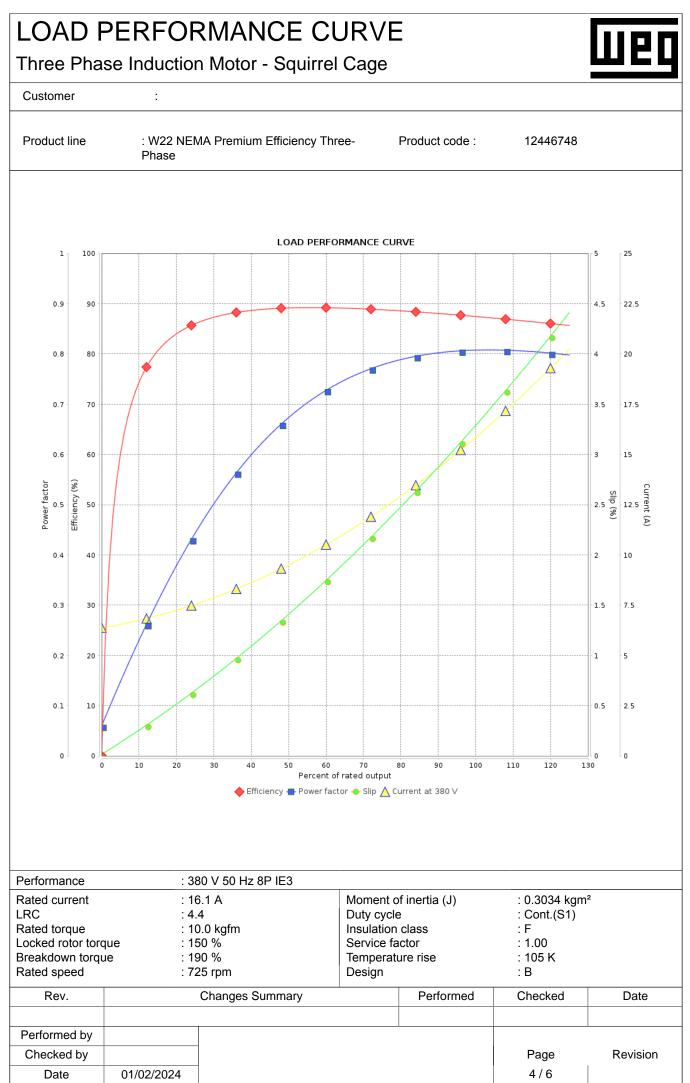
# LOAD PERFORMANCE CURVE

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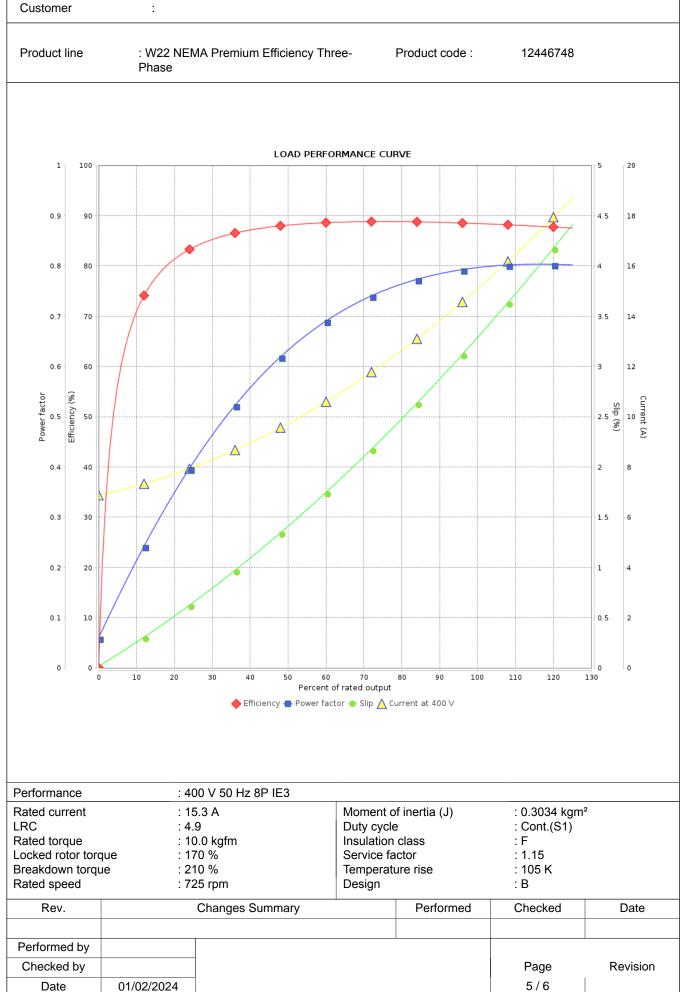


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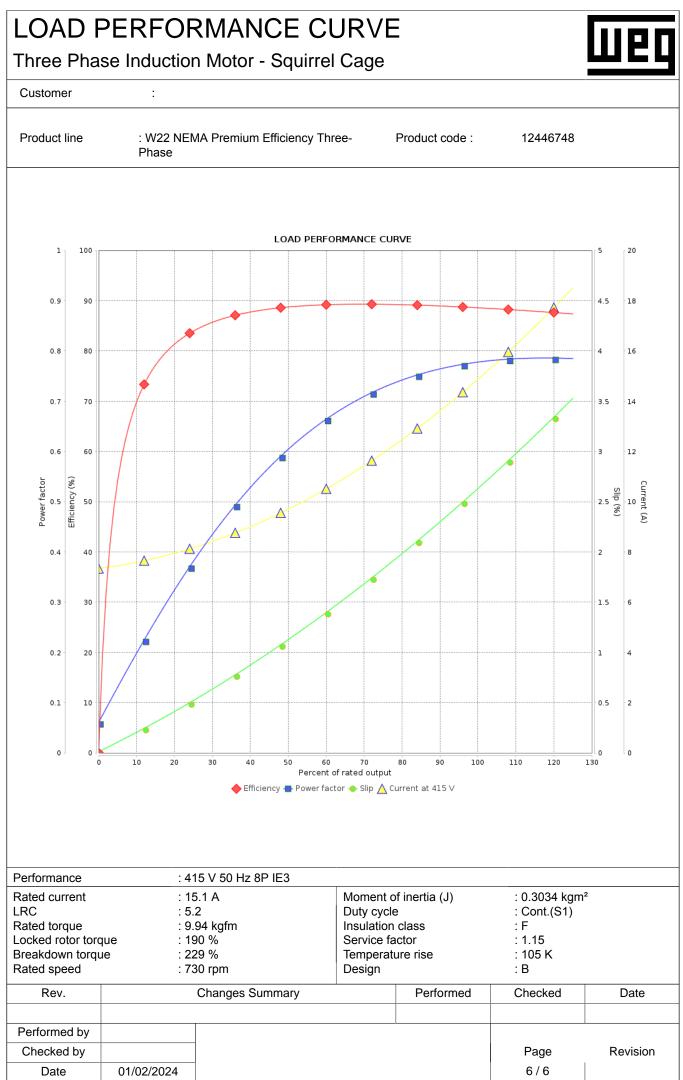
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