## 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-	Product	code :	12383	642	
Frame Insulation class Duty cycle Ambient temperature Altitude Protection degree Design		: 254/6T : 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 : 128 kg : 0.1652 kgm <sup>2</sup>	
Output [HP]			7.5		7.5		7.	5		7.5
Poles		6		6			6		6	
Frequency [Hz]		60		50			50		50	
Rated voltage [V]		230/460		380			400		415	
Rated current [A]		19.0/9.48		11.4			11.0		10.7	
L. R. Amperes [A]		129/64.5		59.3			63.8		66.3	
LRC [A]		6.8x(Code H)		5.2x(Code F)		)	5.8x(Code G)		6.2x(Code H)	
No load current [A]		9.00/4.50		4.50 970			4.75		4.95	
Rated speed [RPN	/1]	1178 1.83		<u> </u>			975 2.50			975 2.50
Slip [%] Rated torque [kgfm]		4.62		5.61			5.58		5.58	
Locked rotor torque		250		170			200		220	
Breakdown torque [%]		300		220			240		220	
Service factor		1.25		1.00			1.15		1.15	
Temperature rise		80 K		80 K			80 K		80 K	
Locked rotor time		54s (cold) 30s (hot)		48s (cold) 27s (hot)		hot) 4	48s (cold) 27s (hot)		48s (	cold) 27s (hot)
Noise level <sup>2</sup>		59.0	) dB(A)	5	7.0 dB(A)		57.0 c	dB(A)	ł	57.0 dB(A)
Efficiency (%)	25%			-						
	50%	89.5		87.5			87.5			87.5
	75% 100%	90.2		88.0			88.0 88.0			88.0 88.0
	25%		91.0		88.0		00.0			00.0
Power Factor	50%	0.63		0.70			0.66			0.64
	75%	0.03		0.79			0.77			0.75
	100%	0.80		0.83			0.82			0.81
Losses at normat	ive operating	nointe (en	eed:torque) i	n nercer	ntana of ra	ted outp	ut nower			
Loobed at normat	P1 (0,		9.6		-	.6		9.6		9.6
	P2 (0,		8.0		8.0		8.0			8.0
	P3 (0,2		7.4		7.4		7.4			7.4
Losses (%)	P4 (0,		5.1		5.1		5.1		5.1	
	P5 (0,		3.4		3.4		3.4		3.4	
	P6 (0,5		2.4		2.4		2.4		2.4	
	P7 (0,2	5;0,25)	5;0,25) 1.7		1.7		1.7		1.7	
Bearing type Sealing Lubrication interval Lubricant amount Lubricant type		: V'Ring V'Ri : 20000 h 2000		09 C3 Ring 000 h 9 g	3 Max. traction Max. compression			: 164 kgf : 292 kgf		
This revision repla must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v manufacturing pro	d. otor from the m and with to veight subjec	shaft end. blerance o t to change	f +3dB(A). es after			ipply, sui	bject to th		s stipula	ated in NEMA
Rev. Changes Summary						Performed		Checked		Date
Performed by										
Performed by Checked by					I			Page		Revision

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Notes

USABLE @208V 21.0A SF 1.15 SFA 24.1A

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Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	01/02/2024			2/6	

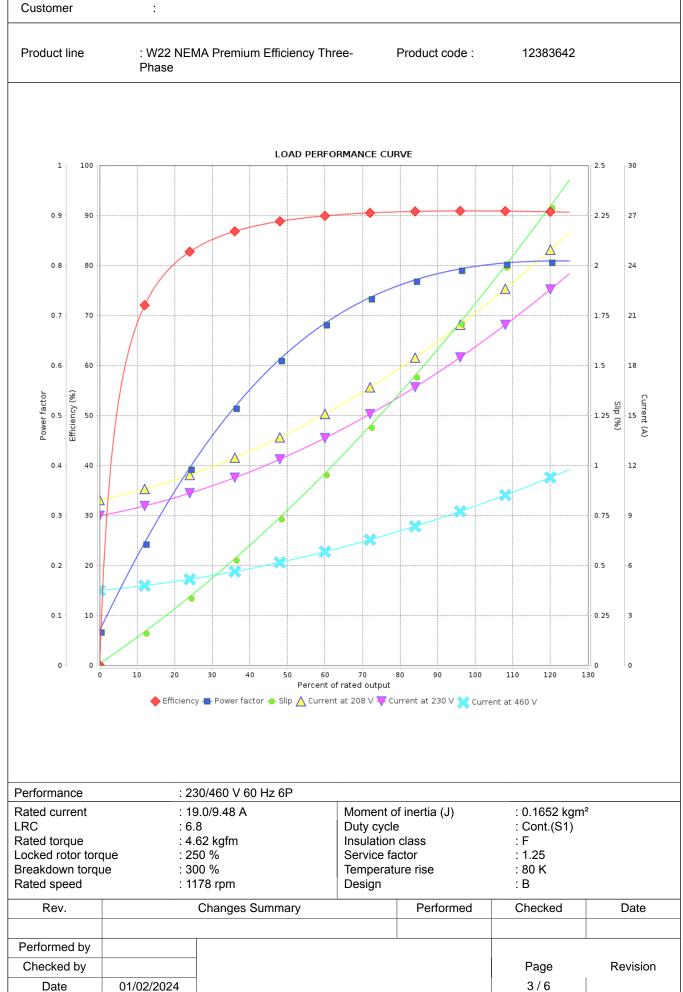
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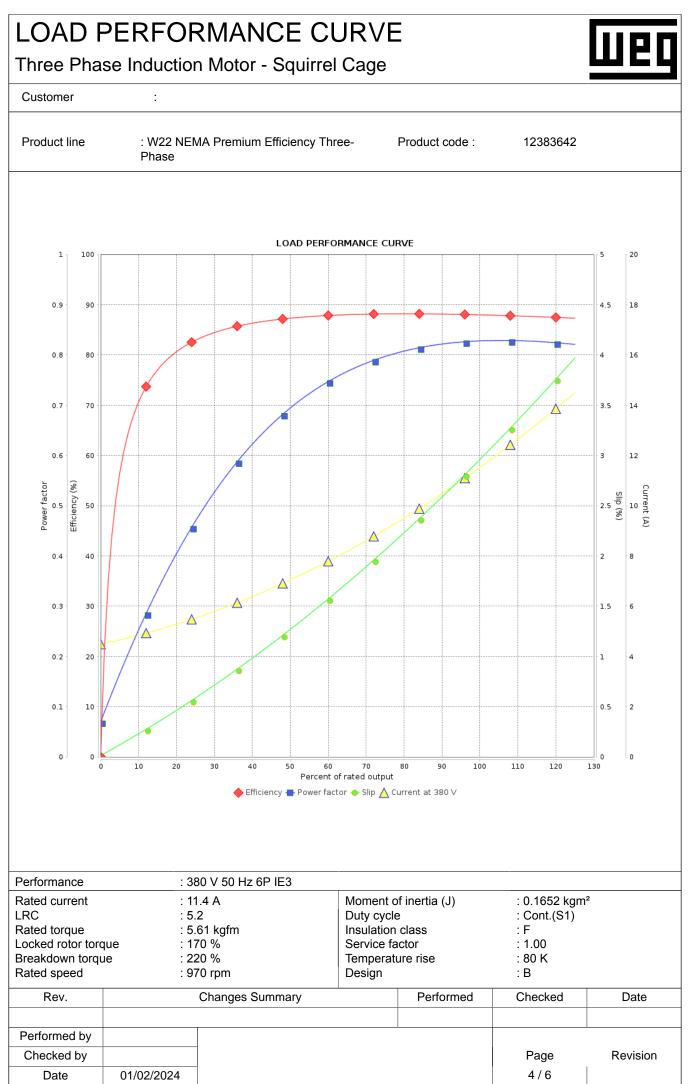
# LOAD PERFORMANCE CURVE

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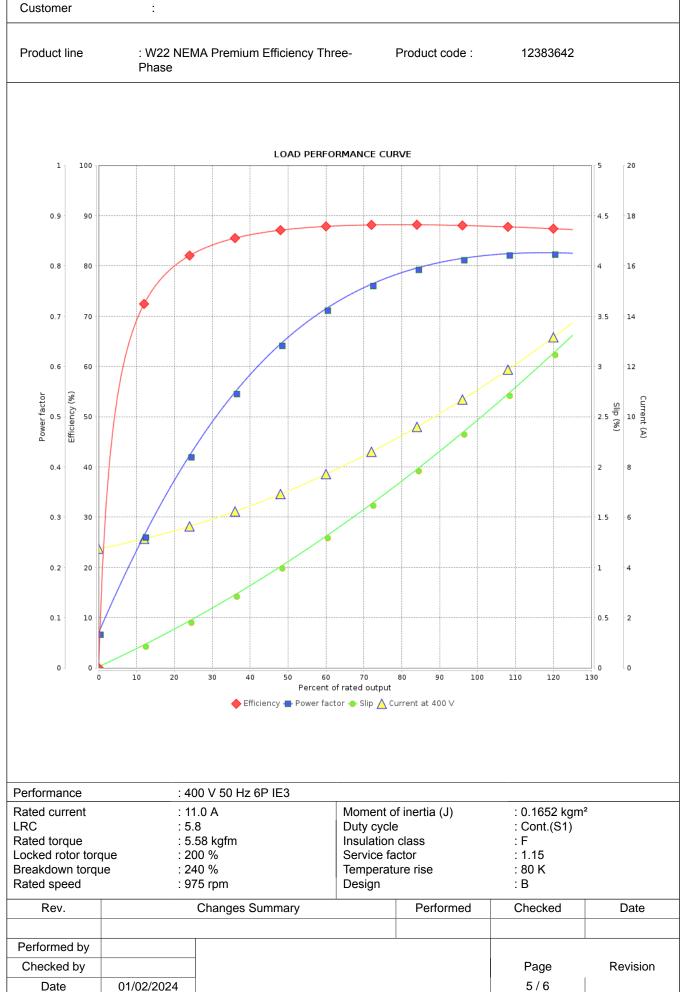


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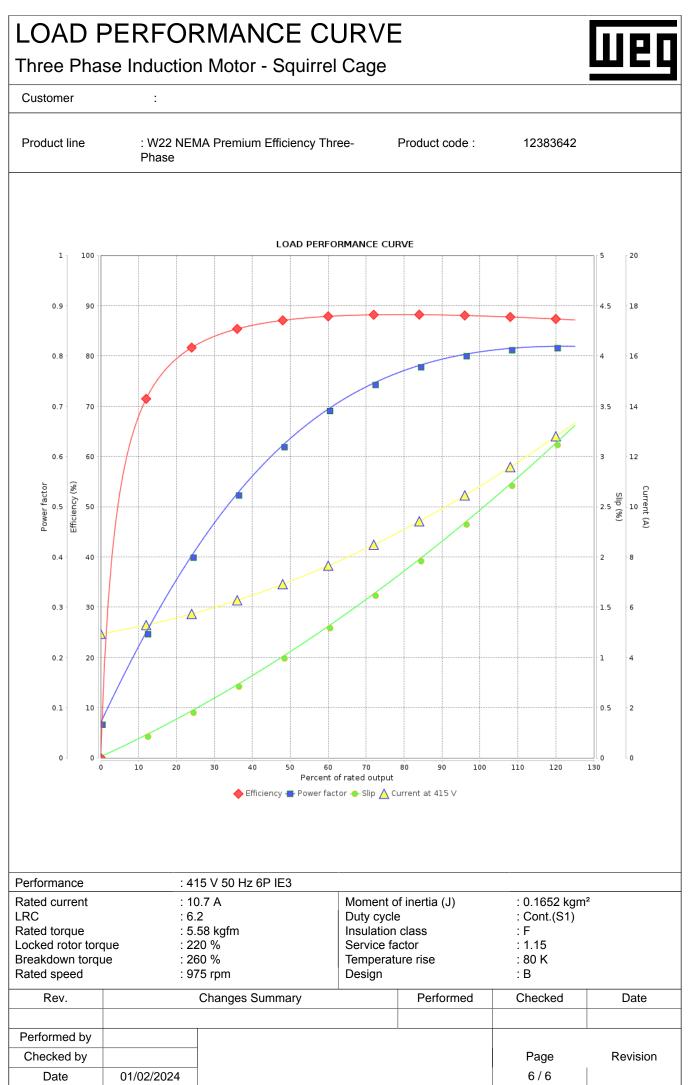
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