## DATA SHEET

Three Phase Induction Motor - Squirrel Cage

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#### Customer

Product line	: W22 Phase	NEMA Pre	mium Efficien	icy Thre	e- Pro	oduct co	de :	12717	282	
Frame Insulation class Duty cycle Ambient temperature Altitude Protection degree Design		: 213/5TC : 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 : 77.8 kg : 0.0566 kgm <sup>2</sup>		
Output [HP]			7.5		7.5		7.5	:		7.5
Poles		4			4		4			4
Frequency [Hz]		60		50			50			50
Rated voltage [V]		230/460		380			400		415	
Rated current [A]		18.4/9.18		11.0			10.6		10.3	
L. R. Amperes [A]		130/65.2		61.6			65.7		69.0	
LRC [A]		7.1x(Code H)		5.6x(Code F)			6.2x(Code G)		6.7x(Code H)	
No load current [A]		8.40/4.20		4.10			4.40		4.70	
Rated speed [RPN	1765		1455			1460		1465		
Slip [%]	-1	1.94			3.00		2.67			2.33
Rated torque [kgfm]		3.08		3.74			3.73		3.72	
ocked rotor torqu	220		170			190		210		
Breakdown torque [%]		310			240		270		290	
Service factor		1.25		1.25			1.25		1.25	
Temperature rise		80 K		07- /-	80 K		80 K		80 K 27s (cold) 15s (hot	
Locked rotor time Noise level <sup>2</sup>		36s (cold) 20s (hot) 58.0 dB(A)			27s (cold) 15s (hot) 56.0 dB(A)		27s (cold) 15s (hot) 56.0 dB(A)			6.0 dB(A)
	25%	50.0	JUD(A)	5	0.0 UB(A)		50.0 u	D(A)	5	0.0 UB(A)
	50%	\$	39.5	89.5			89.5			89.5
Efficiency (%)	75%	91.0		89.5			90.2			90.2
	100%	91.7		89.6			90.2			90.2
Power Factor	25%	01.1								00.2
	50%	0.66		0.72			0.6	9		0.66
	75%	0.76		0.81			0.78			0.76
	100%	0.82		0.85			0.83			0.82
Losses at normat	ive operating	noints (sn	eed:torque) i	n nercei	tage of rate	d output	nower	1		
Losses at normat			8.8	ii percei	8.8			8.8		8.8
		P1 (0,9;1,0) P2 (0,5;1,0)		7.0			7.0		7.0	
		P3 (0,25;1,0)			7.0		6.5		6.5	
Losses (%)		P4 (0,9;0,5)			4.9		4.9		4.9	
~ /		P5 (0,5;0,5)			3.3		3.3		3.3	
	P6 (0,	P6 (0,5;0,25)		2.4			2.4		2.4	
		25;0,25) 1.6			1.6		1.6			1.6
		Drive end Non drive e			Foundation loads			I		
Bearing type		: 6308		07 ZZ	ZZ Max. traction			: 160 kgf		
Sealing		: V'R	ing V'	Ring	Ring Max. compre		•			
Lubrication interval		:		-						
Lubricant amoun	t	: -		-						
Lubricant type		: Mobil Polyrex EM								
This revision repla must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v	d. otor from the m and with to veight subjec	shaft end. olerance o	f +3dB(A).	hich	These are a power supp MG-1.					sinusoidal ted in NEMA
nanufacturing process.					Performed		ned	Chaokad		Date
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Notes USABLE @208V 19.9A SF 1.15 SFA 22.9A

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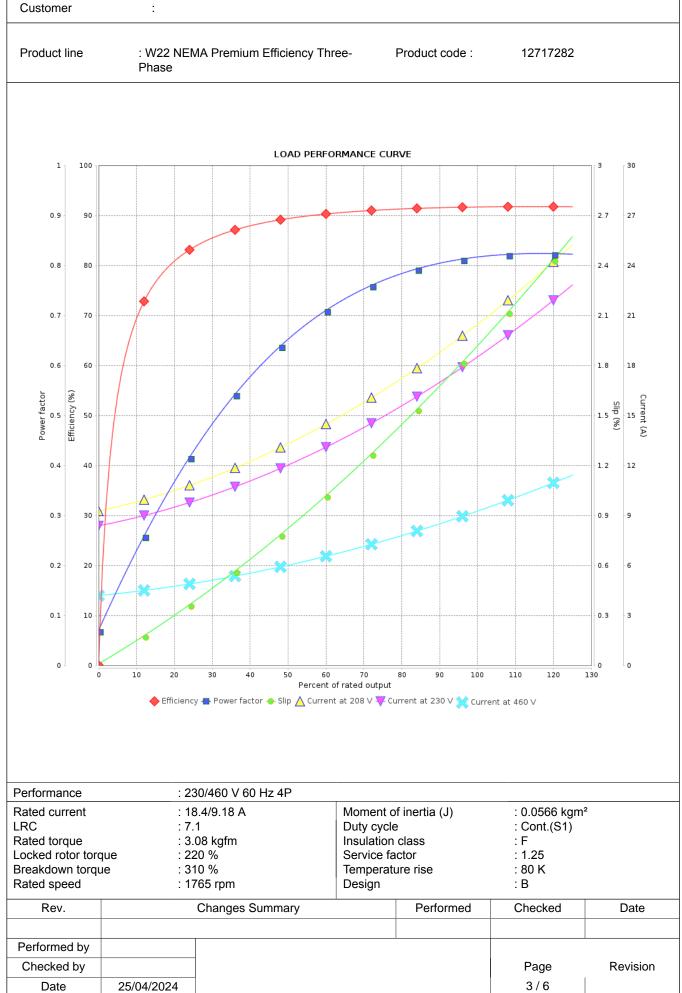
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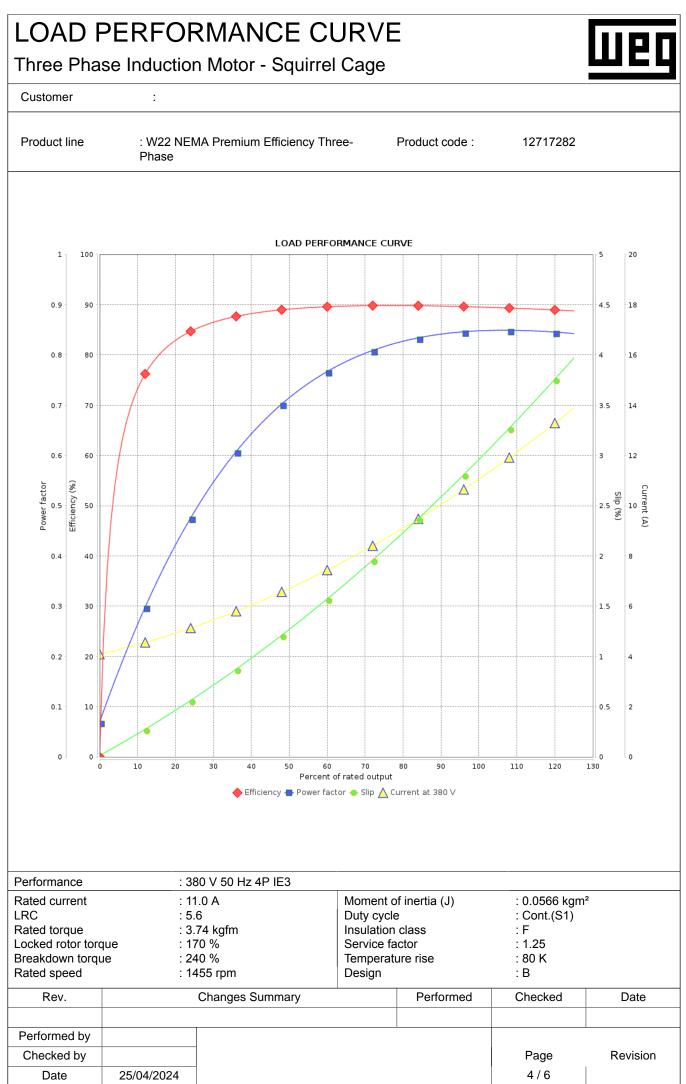
# LOAD PERFORMANCE CURVE

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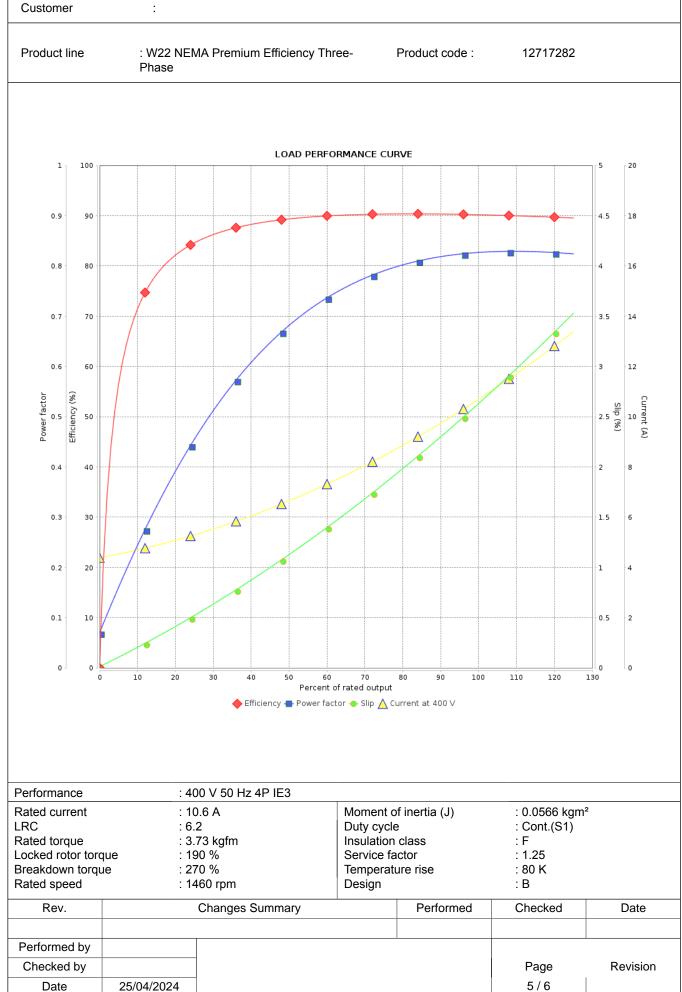


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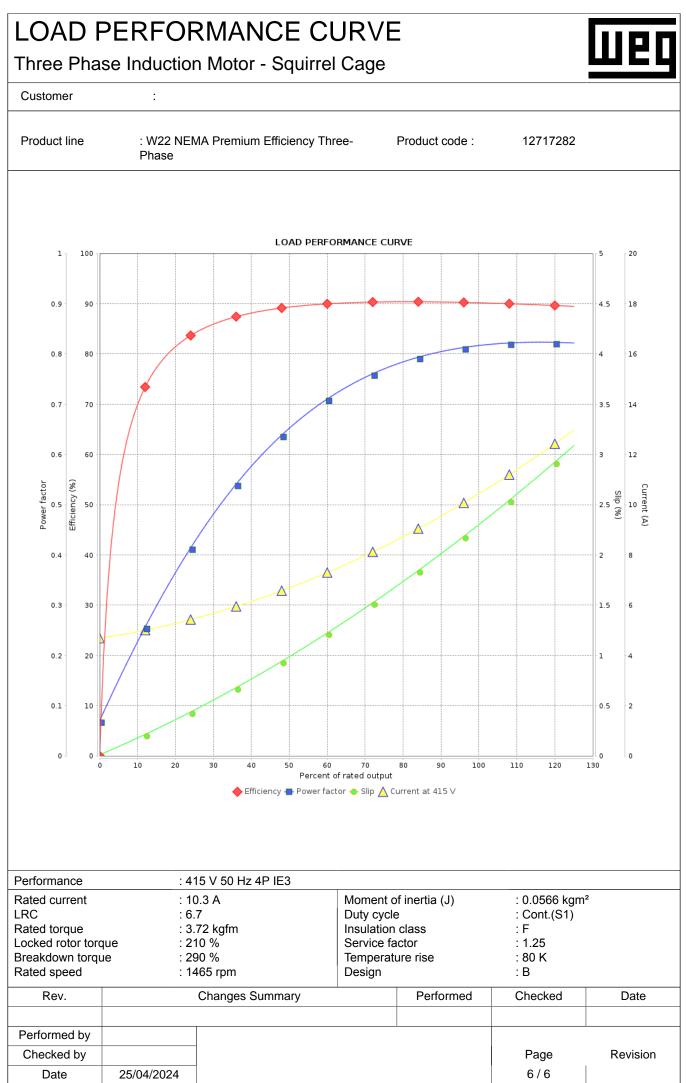
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