# DATA SHEET

Three Phase Induction Motor - Squirrel Cage

:



#### Customer

Frame	: 364/5T			Cooling method			: IC411 - TEFC			
Insulation class		: F			Mounting			: F-1		
Duty cycle	: Cont.(S1)			Rotation <sup>1</sup>			: Both (CW and CCW)			
Ambient temperature		: -20°C to +40°C			Starting method			: Direct On Line		
Altitude		: 1000 m.a.s.l.			Approx. weight <sup>3</sup>			: 0.0 kg		
Protection degree	е	: IP55			Moment of inertia (J)			: 0.9884 kgm²		
Design		: B								
Dutput [HP]		30			30		30		30	
Poles		8			8		3			8
Frequency [Hz]		60		50			50		50	
Rated voltage [V]		460		380			400		415	
Rated current [A]		38.1		45.5			43.3		42.2	
L. R. Amperes [A]		236		223			238		249	
RC [A]		6.2x(Code G)		4.9x(Code E)		)	5.5x(Code F)		5.9x(Code G)	
lo load current [A		16.0		16.0			17.0		18.0	
Rated speed [RPM]		882		725			725		730	
Slip [%]	-1	2.00		3.33			3.33			2.67
Rated torque [kgfn		24.7		30.0			30.0		29.8	
ocked rotor torqu		160		120			140		150	
Breakdown torque [%]		229		160			190		200	
Service factor		1.25			1.00		1.00		1.00	
Temperature rise		80 K		105 K			105 K		105 K	
Locked rotor time		45s (cold) 25s (hot)			30s (cold) 17s (hot)		34s (cold) 19s (hot)			old) 18s (hot
loise level <sup>2</sup>	050/	60.0	dB(A)	5	6.0 dB(A)		56.0 0	dB(A)	56	.0 dB(A)
	25%		4 5							00 5
Efficiency (%)	50%	91.5		89.0			90.5			90.5
	75%	91.7		89.5			90.6			90.6
	100%	ç	91.7		89.5		90.6			90.6
Power Factor	25%		0.00		0.74		0.07			0.05
	50%	0.62		0.71			0.67			0.65
	75%		0.73 0.79		0.79		0.77 0.81			0.75
	100%				0.82			01		0.80
Losses at normati				n percer			put power			
		P1 (0,9;1,0)		8.9		.9	8.9		8.9	
	P2 (0,	5;1,0)	7.7		7.7		7.7		7.7	
	P3 (0,2		7.2		7.2		7.2		7.2	
Losses (%)	P4 (0,		3.9		3.9		3.9		3.9	
	P5 (0,		2.8		2.8		2.8		2.8	
	P6 (0,5		1.7		1.7		1.7		1.7	
	P7 (0,2	5;0,25)	1.3		1.3			1.3		1.3
		Drive e		ive end	Foundati	on load	ls			
Bearing type Sealing		6314	C3 63	14 C3	Max. traction			: 670 k	gf	
		: Taconite Taconit			Max. compression			: 670 kgf		
-	Labyı	inth Lab	oyrinth		-		-			
Lubrication interv	20000 h 20000 h 27 g 27 g									
Lubricant amoun										
Lubricant type		: M	obil Polyrex E	EM						
			·							
							-			
This revision repla		cel the pre	vious one, wł	nich	These are average values based on tests with sinusoidal					
must be eliminated.						ipply, si	ubject to th	ne tolerances stipulated in NEMA		
(1) Looking the m					MG-1.					
(2) Measured at 1m and with tolerance of +3dB(A).							<b>,</b> , ,			
Rev.		Changes Summary			Perforr		tormed	rmed Checke		Date
Performed by										
Checked by								Page		Revision
Date	13/01/2024							1/6		

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Notes

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Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	13/01/2024	-		2/6	

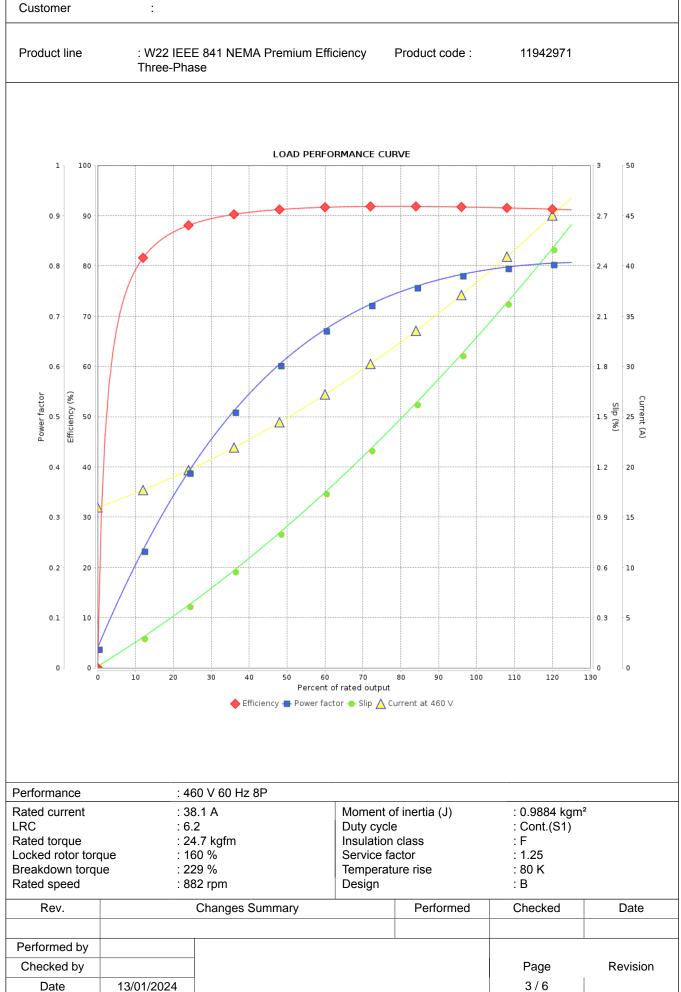
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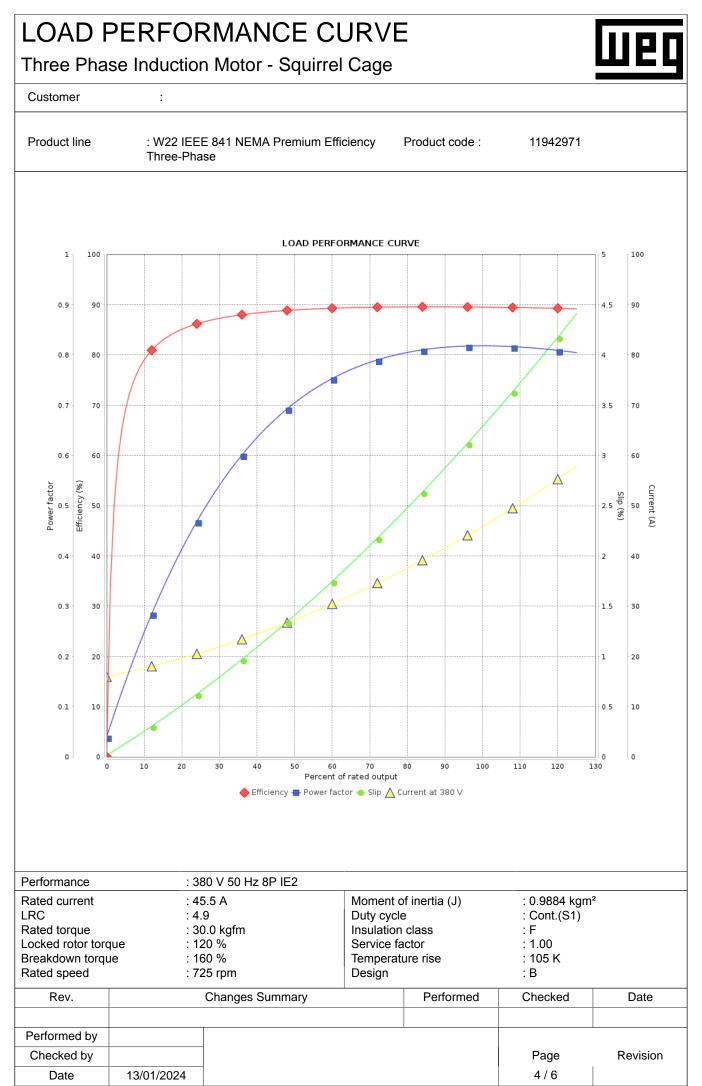
# LOAD PERFORMANCE CURVE

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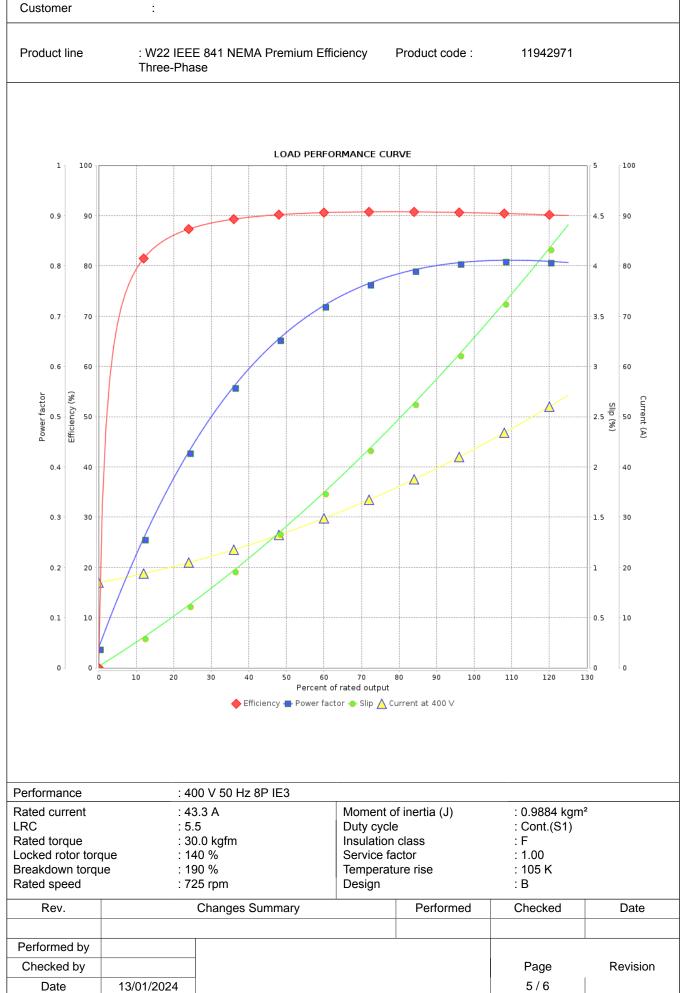


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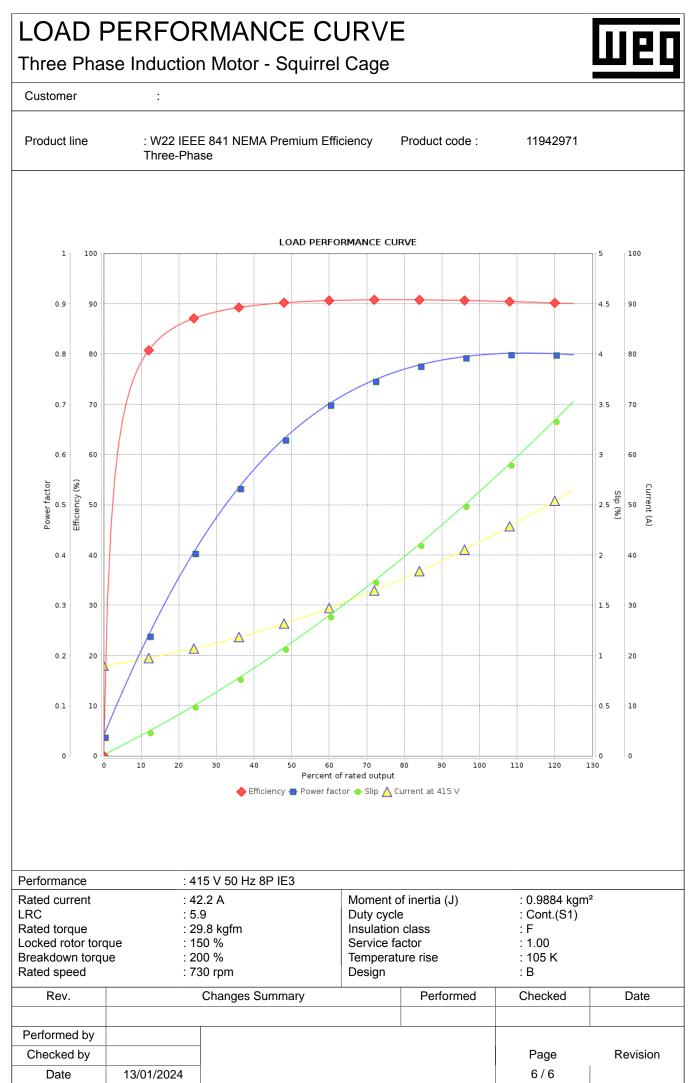
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