## DATA SHEET

Three Phase Induction Motor - Squirrel Cage

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#### Customer

	Phase				1						
Frame Insulation class Duty cycle		: 586/7T : F : Cont.(S1)			Cooling method: IC411 - TEFCMounting: F-1Rotation1: Both (CW and CC)						
Ambient temperature Altitude		: -20°C to +40°C : 1000 m.a.s.l.			Starting method Approx. weight <sup>3</sup>				: Direct On Line : 1664 kg		
Protection degree Design		: IP55 : B			Moment of inertia (J) : 6.80 kgm <sup>2</sup>						
Dutput [HP]		300		250			250		250		
Poles		4		4 50			4 50			<u>4</u> 50	
Frequency [Hz]		60 230/460		380			400		415		
Rated voltage [V] Rated current [A]		676/338		344			331		327		
L. R. Amperes [A]		4394/2197		1926			2052		2224		
.RC [A]		6.5x(Code G)		5.6x(Code F)			6.2x(Code G)		6.8x(Code H)		
No load current [A]		230/115		113			126		137		
Rated speed [RPM		1789		1489			1490		1491		
Slip [%]		0.61		0.73			0.67		0.60		
Rated torque [kgfm		122		122			122		122		
ocked rotor torque		210		200			220		240		
Breakdown torque [%]		229			220		250		270		
Service factor		1.15			1.00		1.00		1.00		
emperature rise		80 K			80 K		80		80 K		
Locked rotor time		34s (cold) 19s (hot)			21s (cold) 12s (hot)		21s (cold) 12s (hot)			cold) 12s (hot)	
loise level <sup>2</sup>	050/	81.0	) dB(A)	1	6.0 dB(A)		76.0 c	3B(A)		6.0 dB(A)	
	25% 50%		05.0		95.8		95.8			95.4	
Efficiency (%)	75%	95.0 96.0		95.0			95.8			95.4	
	100%		)6.2	96.0			96.0			96.0	
	25%		00.2							00.0	
	50%	(	0.75		0.75		0.7	72		0.69	
Power Factor	75%		0.82		0.83		0.80			0.78	
	100%	(	0.85		0.85		0.84			0.82	
Losses at normati	ve operating	noints (sn	eed:toraue) i	n nercei	ntage of rat	ed outo	ut nower				
Loooco at normati	P1 (0,		4.2	ii peroer	4.			4.2		4.2	
					3.0		3.0			3.0	
	P3 (0,2		3.0 2.4		2.4		2.4		2.4		
Losses (%)	P4 (0,		2.6		2.6		2.6		2.6		
	P5 (0,		1.6		1.6		1.6		1.6		
	P6 (0,5				1.2		1.2		1.2		
	P7 (0,2		0.7		0.	.7		0.7		0.7	
		Drive e	end Non dr	ive end	Foundatio	on loads	3				
Bearing type		: NU-322 C3 6319 C3			Max. traction			: 1417	: 1417 kgf		
Sealing		: Taconite Taconite Labyrinth Labyrinth			Max. compression			: 3081 kgf			
Lubrication interv					: 4000 h 8000 h						
Lubricant amount					: 60 g 45 g						
Lubricant type		: M	obil Polyrex E	=M							
This revision repla must be eliminated		cel the pre	vious one, wł	hich				based on te e tolerances		i sinusoidal ited in NEMA	
(1) Looking the mo					MG-1.	-			-		
(2) Measured at 1m and with tolerance of +3dB(A). Rev. Changes Summary				Performed		Checked		Date			
<u> </u>							I				
Performed by											
Performed by Checked by								Page		Revision	

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Notes USABLE @208V 739A SF 1.00 SFA 739A

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Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by		-		Page	Revision
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## DATA SHEET

Three Phase Induction Motor - Squirrel Cage

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Customer

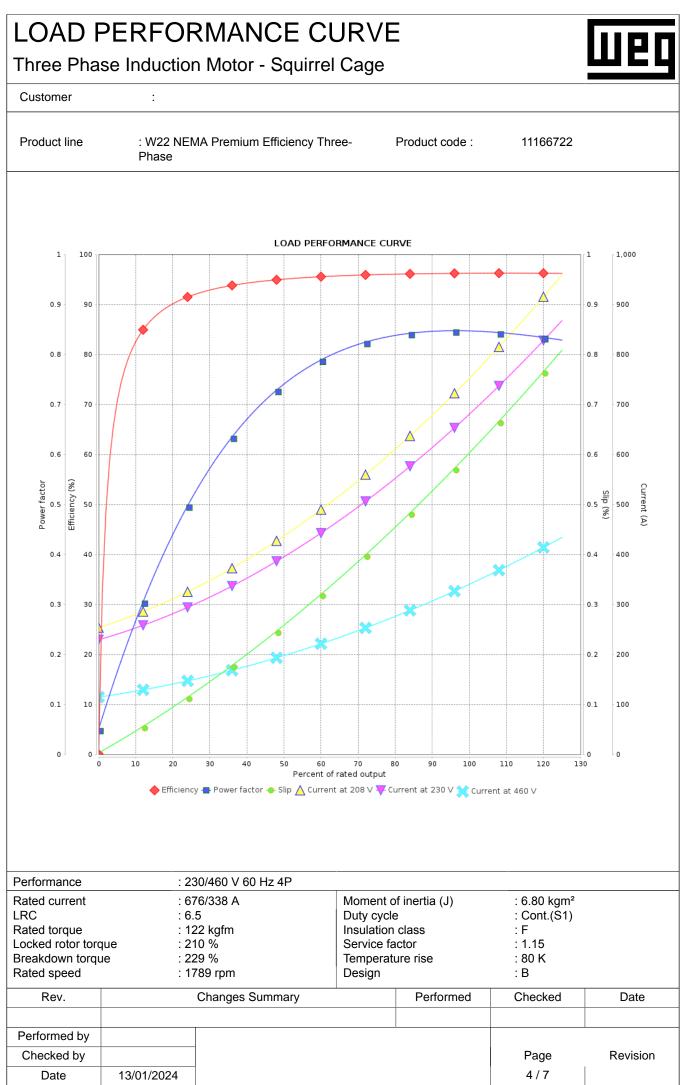
Space heater information

Шеq

Voltage: 200 - 240 V

Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	13/01/2024			3 / 7	

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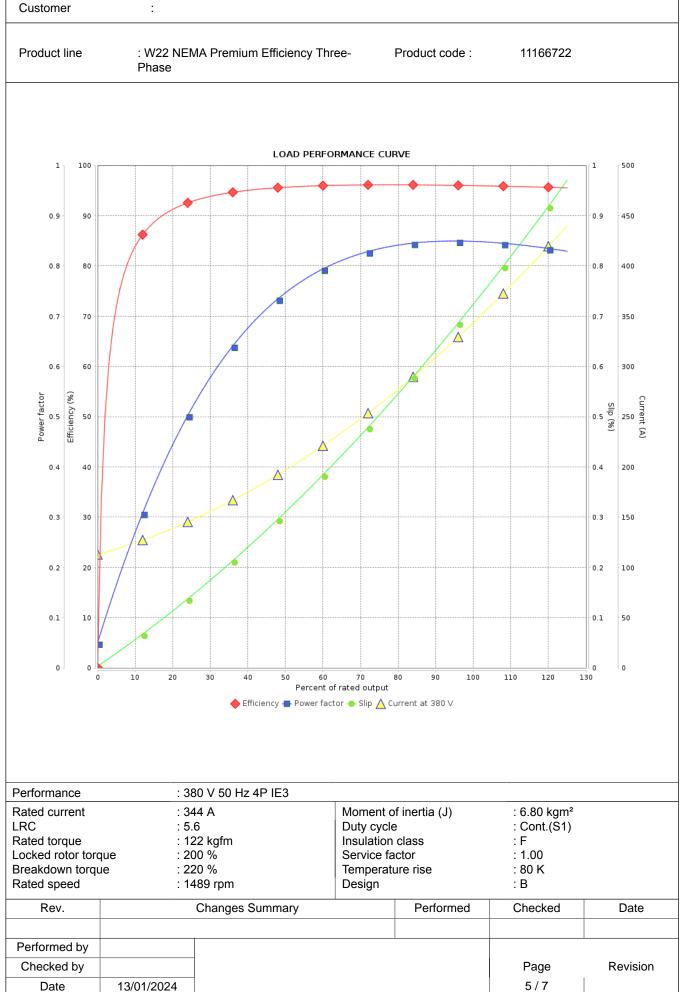


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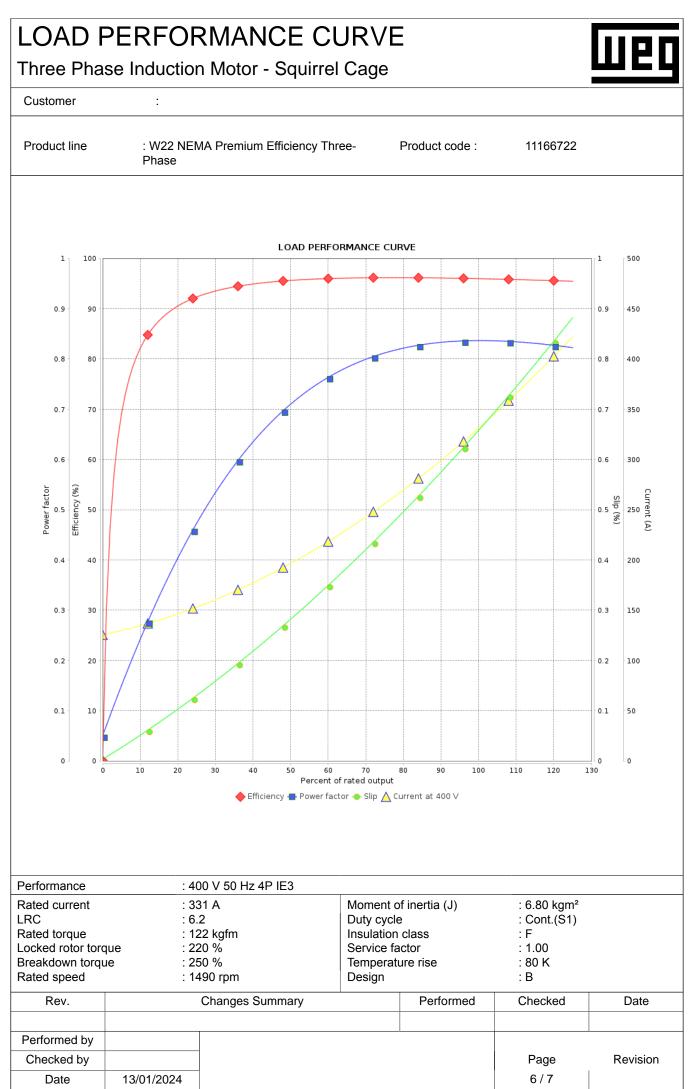
# LOAD PERFORMANCE CURVE

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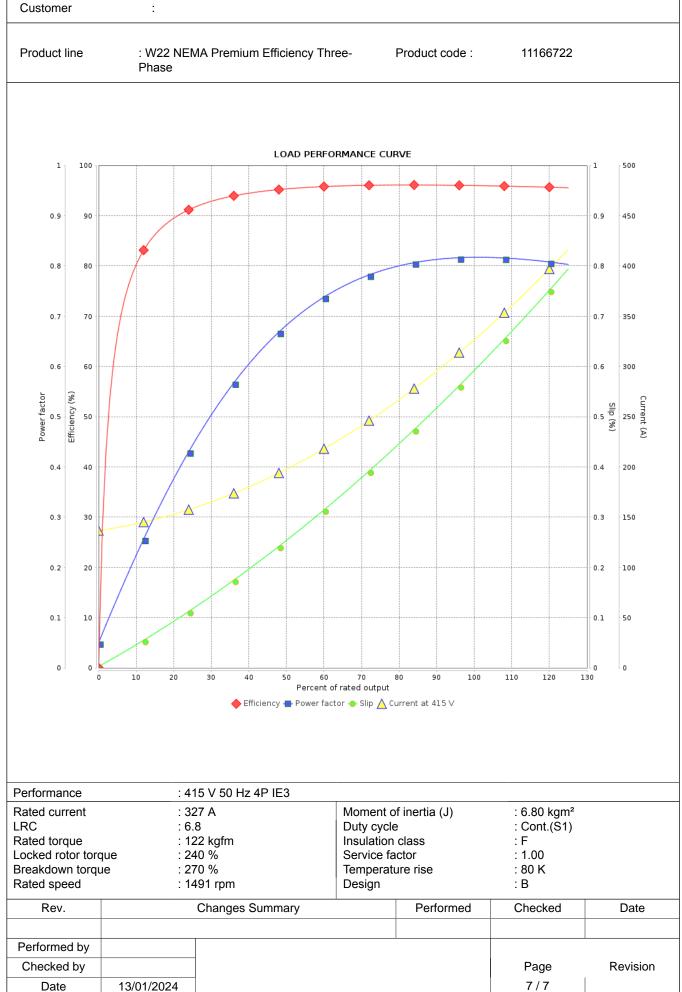


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## LOAD PERFORMANCE CURVE

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