DATA SHEET

Three Phase Induction Motor - Squirrel Cage

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Customer

Product line	: W22 Phase	NEMA Pre	mium Efficien	icy Thre	e- I	Product	code :	13438	535	
Frame Insulation class Duty cycle Ambient temperature Altitude Protection degree Design		: 447/9T : F : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IP55 : A		Cooling method Mounting Rotation ¹ Starting method Approx. weight ³ Moment of inertia (J)			: IC411 - TEFC : F-1 : Both (CW and CCW) : Direct On Line : 1377 kg : 4.98 kgm ²			
Output [HP]			350		300		30	0		300
Poles		4		4			4		4	
Frequency [Hz]		60		50			50		50	
Rated voltage [V]		460		380			400		415	
Rated current [A] L. R. Amperes [A]		399 3192		405 2957			389 3151		379 3373	
R. Aniperes [A] .RC [A]	8.0x(Code J)		7.3x(Code H)		`	8.1x(Code J)		8.9x(Code K)		
No load current [A	135		135		/	143		151		
Rated speed [RPN		1785		1483			1485		1487	
Slip [%]	•	0.83		1.13			1.00		0.87	
Rated torque [kgfm]		142		147			147		146	
ocked rotor torqu		280		260			290		310	
Breakdown torque [%]		280		260			290		310	
Service factor		1.15		1.00			1.0		1.00	
Temperature rise		80 K		105 K			105 K		80 K	
Locked rotor time		25s (cold) 14s (hot) 75.0 dB(A)			21s (cold) 12s (hot)		21s (cold) 12s (hot) 71.0 dB(A)			(cold) 12s (hot)
Noise level ²	25%	75.0	0 0B(A)	1	1.0 dB(A)		71.00	1B(A)		71.0 dB(A)
Efficiency (%)	50%	95.8		95.8			95.8			95.4
	75%	96.2		95.8			96.2			95.8
	100%		96.2		96.0		96.0			96.2
Power Factor	25%									
	50%	0.73		0.73			0.70			0.68
I Ower I actor	75%	0.82		0.82			0.80			0.79
100%		0.85		0.86			0.85		0.84	
Losses at normati	ive operating	points (sp	eed;torque), i	n percei	ntage of ra	ted outp	out power			
		(0,9;1,0) 4.2		4.2			4.2			4.2
	P2 (0,			3.4		.4	3.4		3.4	
		25;1,0)		3.0		.0	3.0		3.0	
Losses (%)		,9;0,5) 2.2			2.2		2.2		2.2	
		(,5;0,5) 1.5		1.5			1.5			1.5 1.1
	P7 (0,2	5;0,25) 1.1 25:0.25) 0.7			0.7			0.7		0.7
	17 (0,2	Drive		ive end				0.1		0.7
Bearing type Sealing Lubrication interval Lubricant amount Lubricant type		: 6322 : WS : 600 : 60	2 C3 63 [.] eal W 0 h 80	19 C3 /Seal)00 h I5 g	d Foundation loads Max. traction Max. compression			: 3282 kgf : 4659 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. plerance o t to change	f +3dB(A). es after			ipply, su	bject to th	e tolerances	s stipul	h sinusoidal ated in NEMA
Rev. Changes Summary				Perf	ormed	Checke	d	Date		
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Performed by		, j					1			
Performed by Checked by								Page		Revision

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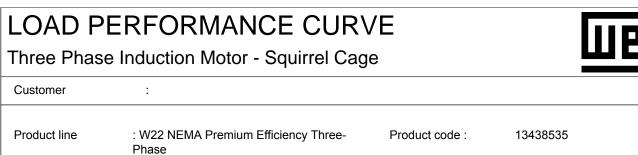
Customer

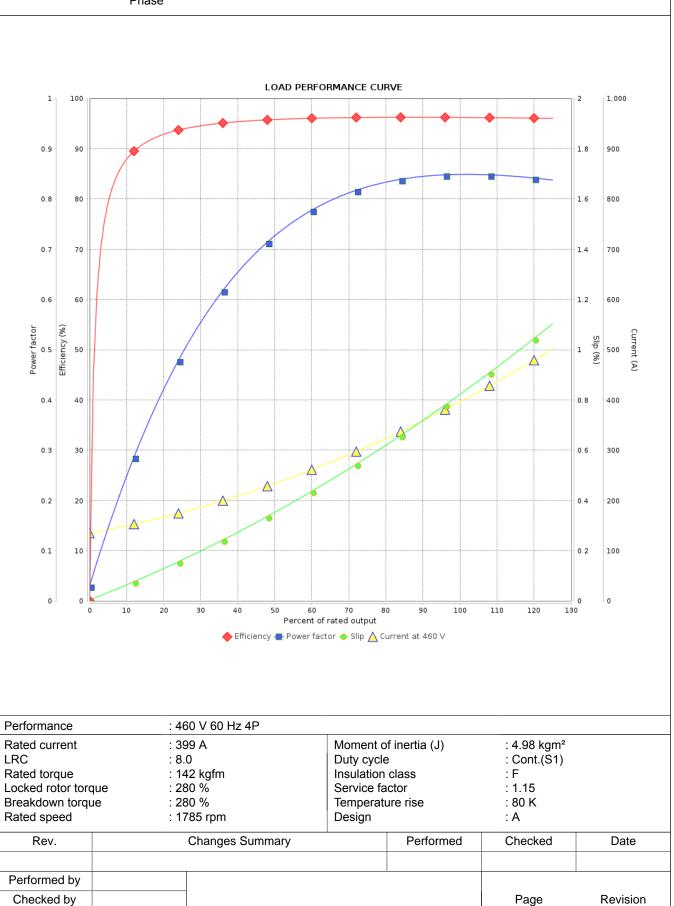
Notes

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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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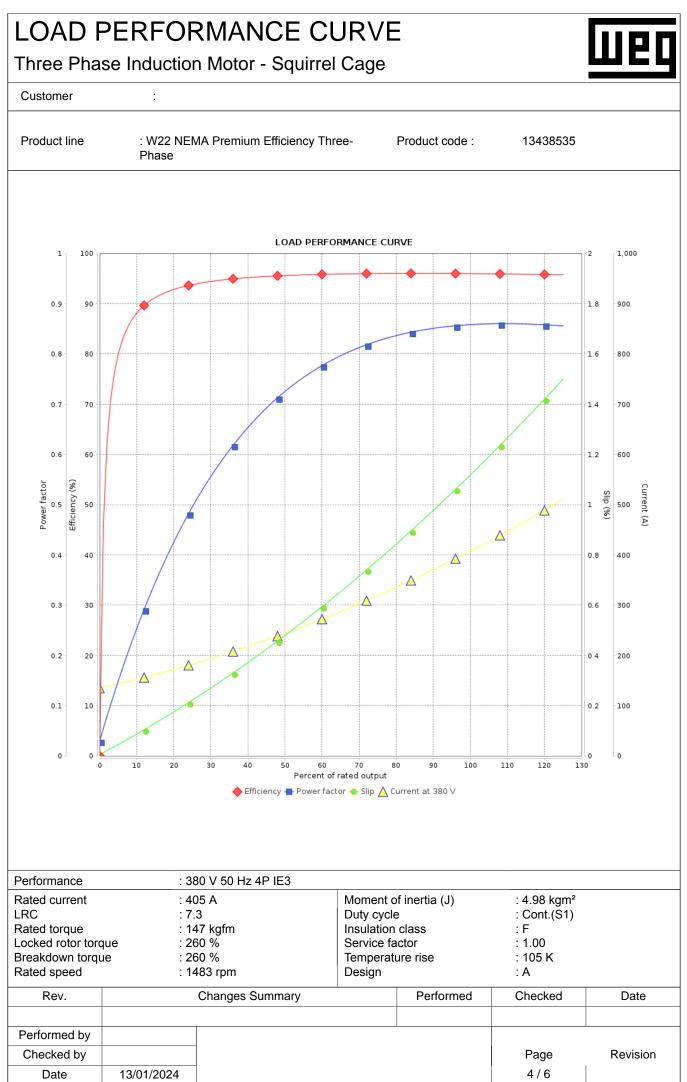


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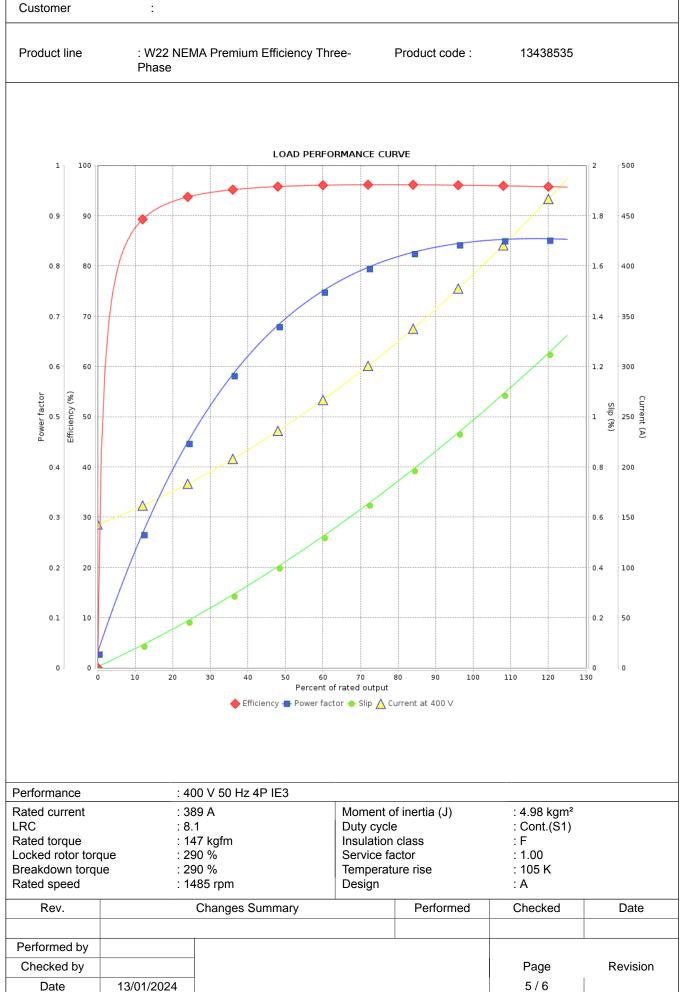


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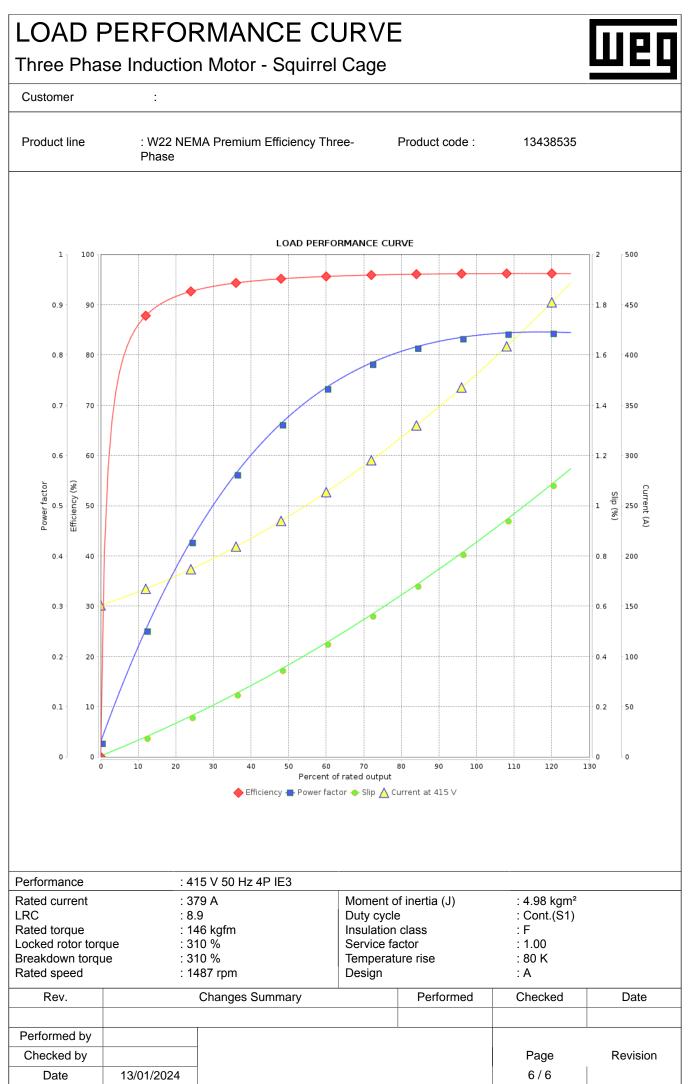
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