# DATA SHEET

Three Phase Induction Motor - Squirrel Cage

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Product line		: W22 NEMA Premium Efficier Three-Phase			ncy Product code :		11442	11442104	
Frame Insulation class Duty cycle Ambient temperature Altitude Protection degree Design		: 145TC : 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)		: F-1 : Both : Direc : 23.4	: IC411 - TEFC : F-1 : Both (CW and CCW) : Direct On Line : 23.4 kg : 0.0060 kgm <sup>2</sup>		
Output [HP]			1.5	[	1.5	1.5		1.5	
Poles		4			4	4		4	
Frequency [Hz]		60			50	50		50	
Rated voltage [V]		230/460		380		400		415	
Rated current [A]		4.20/2.10		2.42		2.39		2.39	
L. R. Amperes [A]		35.3/17.6		16.2		17.4		17.9	
LRC [A]		8.4x(Code L)		6.7x(Code J)		7.3x(Code K)		7.5x(Code K)	
No load current [A] Rated speed [RPM]		2.40/1.20		1.20		1.40 1450		1.50 1450	
Rated Speed [RPiv Slip [%]	IJ	1755 2.50		1440 4.00		3.33		3.33	
Silp [%] Rated torque [kgfm	าไ	0.620		4.00		0.75		0.751	
Locked rotor torque		0.620 290			250	250		280	
Breakdown torque [%]		350			280	290		320	
Service factor	r1	1.25		<u> </u>	1.25	1.25		1.25	
Temperature rise		80 K		<u> </u>	80 K	80 k		80 K	
Locked rotor time		25s (cold) 14s (hot)		25s (d	cold) 14s (hot)	25s (cold) 1		25s (cold) 14s (hot	
Noise level <sup>2</sup>			) dB(A)		9.0 dB(A)	49.0 dE		49.0 dB(A)	
Efficiency (%)	25%					. ,			
	50%	82.5			82.5		5	81.0	
	75%		35.5		84.0         84.           84.1         84.			84.0	
	100%	86.5			84.1			84.1	
Power Factor	25%					0.57			
	50%	0.54		0.61		0.57		0.53	
	75%	0.67			0.74	0.70 0.79		0.67	
	100%	(	).76		0.82	0.79	9	0.76	
Losses at normati				n percer	-				
	P1 (0,		14.7 12.1		17.8		17.8	17.8	
		2 (0,5;1,0)			14.6	14.6		14.6	
	P3 (0,2		12.0	14.5		14.5		14.5	
Losses (%)	P4 (0,		8.7		10.6	10.6		10.6	
		,5;0,5) 6.1			7.4		7.4	7.4	
		(0,25) 4.9			5.9		5.9	5.9	
	Р7 (0,2	25;0,25) 3.6			4.4		4.4	4.4	
		Drive end Non drive end							
Bearing type		: 6205 ZZ 6204 ZZ : V'Ring V'Ring			Max. traction		: 57 kgf		
Sealing					Max. compression		: 80 kgf		
Lubrication interv		: -		-					
Lubricant amount	[	:							
Lubricant type		. IV	lobil Polyrex E						
This revision repla must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate w manufacturing pro	d. otor from the m and with to /eight subjec	shaft end. plerance o	f +3dB(A).	nich				sts with sinusoidal s stipulated in NEMA	
	Changes Summary			Performed		Checke	d Date		
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Notes

USABLE @208V 4.36A SF 1.15 SFA 5.01A

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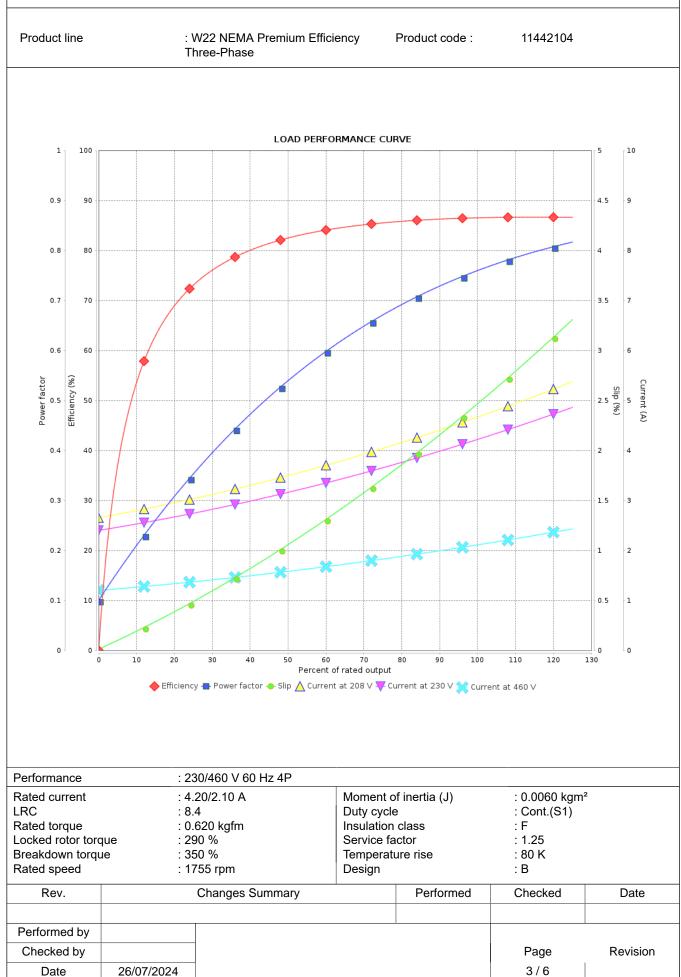
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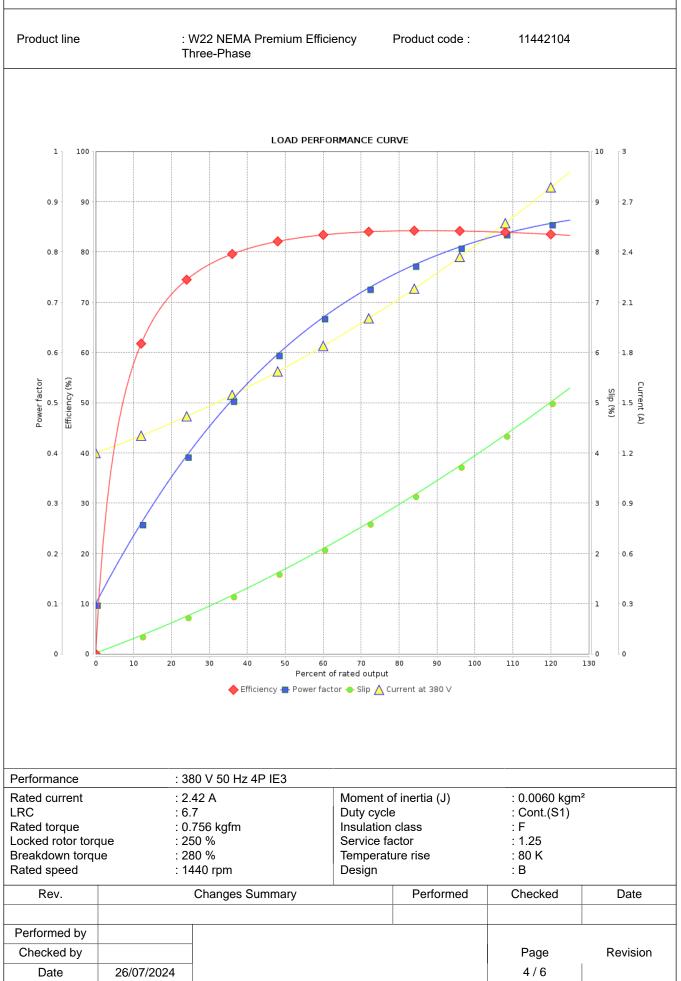
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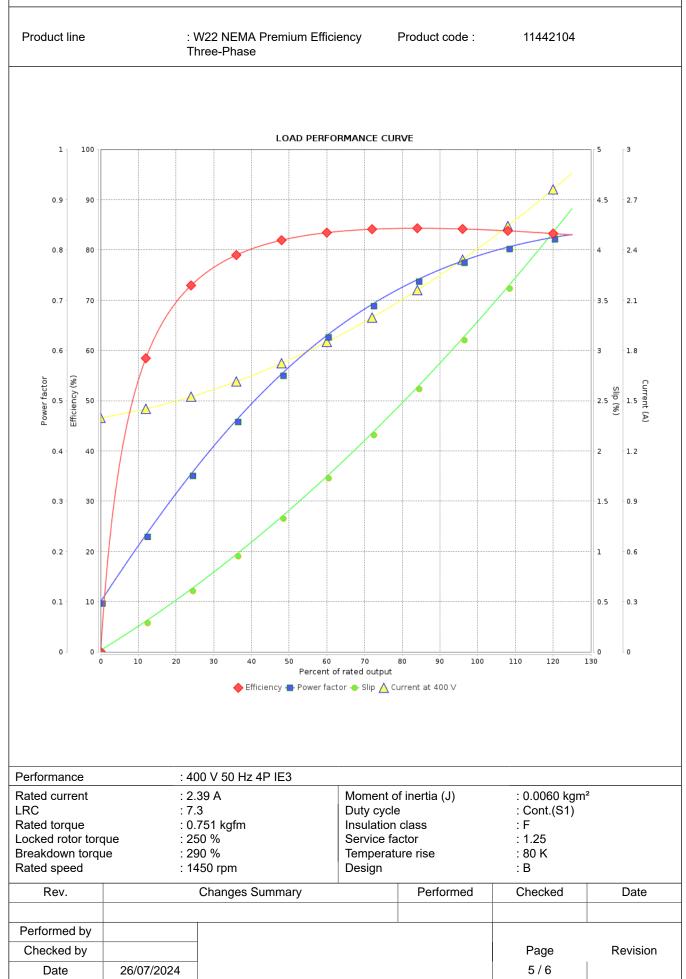


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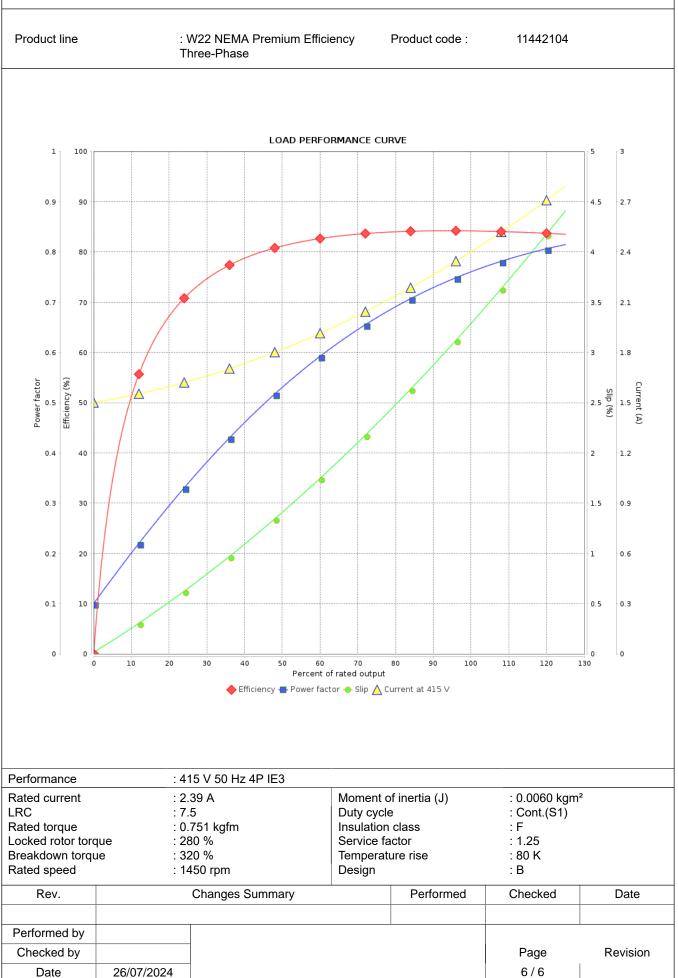
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