# DATA SHEET

### Three Phase Induction Motor - Squirrel Cage

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#### Customer

	: \	N22 Tru	I-Metric IE3 Thre	e-Phase	F	Product code :	14042035		
Frame			: 90S		Cooling method			: IC411 - TEFC	
Insulation class			F		Mounting		: B34L(E)		
Duty cycle			: S1		Rotation			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>		: 20.6 kg		
Protection degree	е		: IP55		Moment of inertia (J)		: 0.0020 kgm <sup>2</sup>		
Design		:	Ν						
Output [HP]			2		2		2		
Poles			2 50		2 50			2 60	
Frequency [Hz] Rated voltage [V]			380		415		230/460		
Rated current [A]			3.22		3.18		5.50/2.75		
L. R. Amperes [A]			24.5		25.4		51.7/25.9		
LRC [A]			7.6		8.0			9.4	
No load current [A]			1.43		1.80		3.00/1.50		
Rated speed [RPN			2870		2895		3505		
Slip [%]	<u>.</u>		4.33		3.50			2.64	
Rated torque [kgfn	กไ		0.506		0.501		0.414		
_ocked rotor torqu			220		260		290		
Breakdown torque			250		300		360		
Service factor	1.1.1		1.25		1.25		1.25		
Temperature rise			80 K			80 K	80 K		
Locked rotor time			27s (cold) 15	5s (hot)	27s	(cold) 15s (hot)	28s (cold) 16s (hot)		
Noise level <sup>2</sup>			62.0 dB(A)			62.0 dB(A)	68.0 dB(A)		
	25%	6		. /					
	50%		82.0			81.5		81.0	
Efficiency (%)	75%					83.5		84.0	
	1009		84.2		84.2		85.5		
Power Factor	25%	6							
	50%	0% 0.67				0.57		0.61	
	75%		0.78		0.70		0.73		
100%		%	0.84		0.78		0.80		
Losses at normati	ive oper	ating po	oints (speed;tora	ue), in percei	ntage of rat	ted output power			
			I (0,9;1,0)		7.1	17.1		15.5	
Losses (%)					3.1	13.1		11.9	
			(0,25;1,0)		3.4	13.4		12.1	
			P4 (0,9;0,5)		10.4 10.4		9.4		
. ,	F		5 (0,5;0,5)	6	6.4 6.4			5.8	
			P6 (0,5;0,25)		5.0 5.0		4.5		
			(0,25;0,25)	3	.4	3.4		3.1	
			Drive end N	on drive end	Foundatio	on loads			
Bearing type		:	6205 ZZ	6204 ZZ	Max. traction		: 32 kgf	: 32 kgf : 52 kgf	
Sealing		:	V'Ring V'Ring			pression			
Lubrication interval		:	-	-			5		
Lubricant amount		:	:						
Lubricant type		:	Mobil Poly	rex EM					
		dooner		o which	Those ar		based on tasts	lith oipuscide!	
This revision replaces and cancel the previous one, which						These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA			
	(1) Looking the motor from the shaft end.					ppiy, subject to th			
must be eliminate				J.	MG-1.				
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must be eliminate (1) Looking the m (2) Measured at 1									
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must be eliminate (1) Looking the m	veight su ocess.		Changes Sum	mary		Performed	Checked	Date	
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Customer

Notes

			1	1	
Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	14/01/2024			2/5	

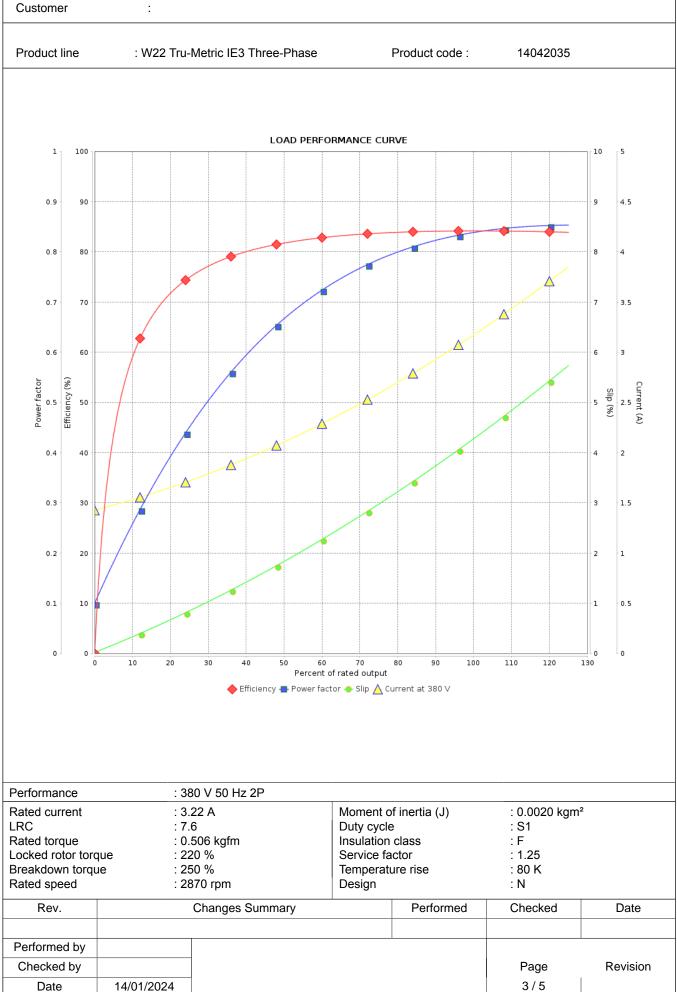
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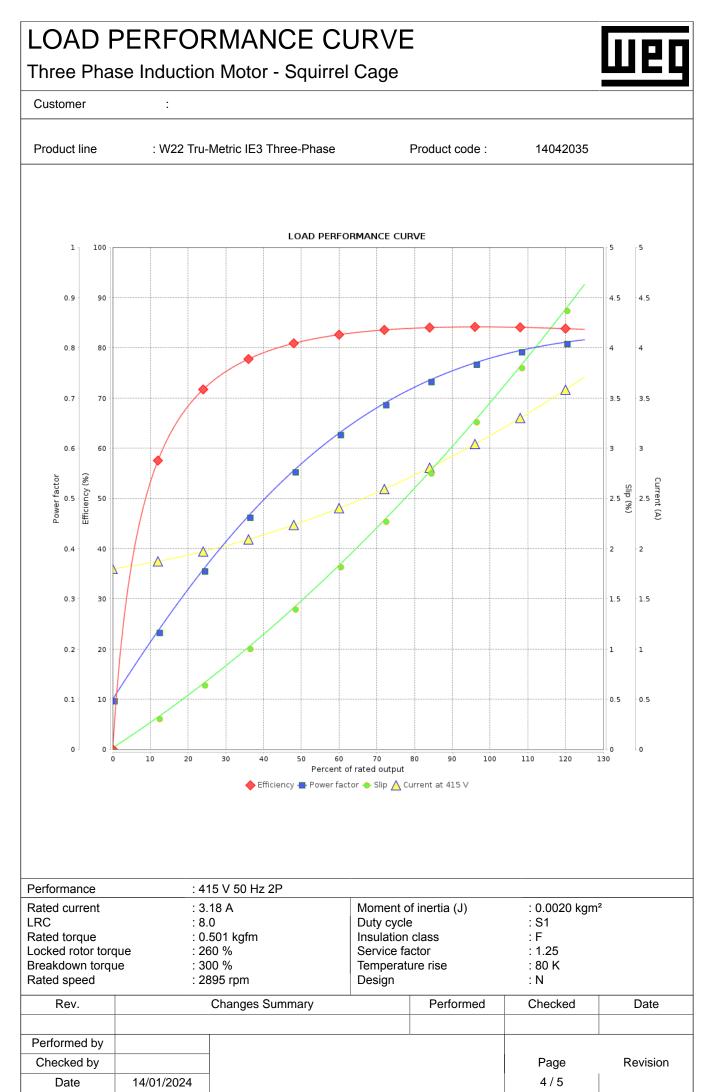
# LOAD PERFORMANCE CURVE

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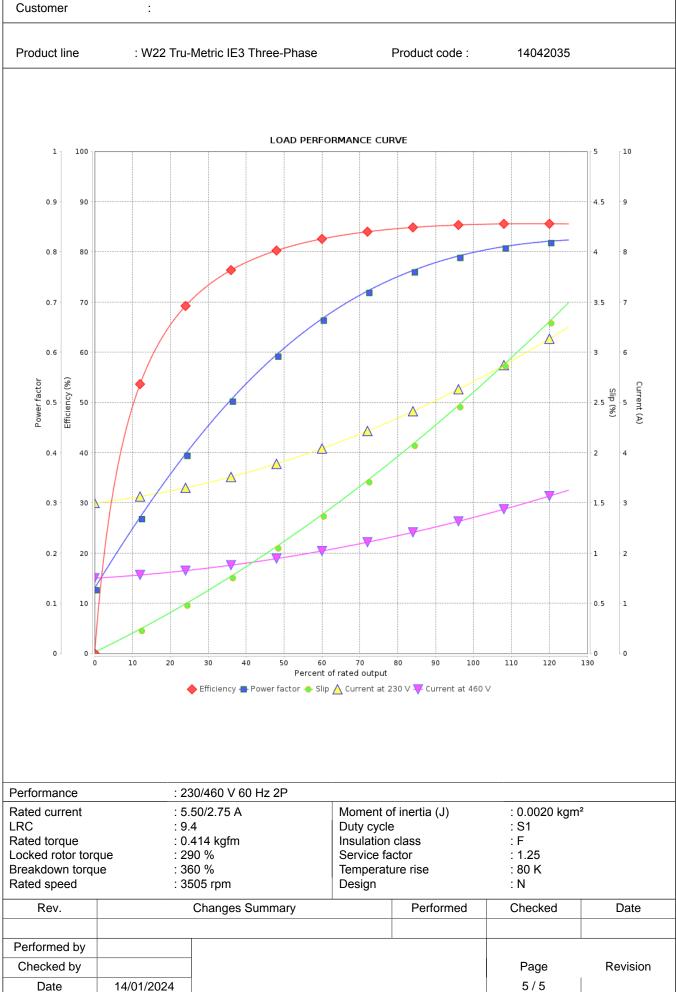
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