# DATA SHEET

### Three Phase Induction Motor - Squirrel Cage

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#### Customer

		2 Tru-Metric IE3 Th		P					
Frame		: 132M		Cooling method		-	: IC411 - TEFC		
Insulation class		: F			Mounting		: B35L(E)		
Duty cycle			: 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>		: 86.2 kg			
Protection degree		: IP55		Moment	of inertia (J)	: 0.0642 kg	JM²		
Design		: N							
Output [HP]		10		10			10		
Poles		4 50		<u> </u>	4 50		4		
Frequency [Hz]				415		60 230/460			
Rated voltage [V]		380				230/460			
Rated current [A]		14.5		14.0					
L. R. Amperes [A]		123		140		267/133			
LRC [A]			8.5		10.0		10.5		
No load current [A]			6.20		7.20		12.6/6.30		
Rated speed [RPM	/I]		1460		1470		1770		
Slip [%]			2.67		2.00		1.67		
Rated torque [kgfm			4.97		4.94		4.10		
Locked rotor torque			220		280		270		
Breakdown torque [%]			300		370		420		
Service factor			1.25		1.25		1.25		
Temperature rise			80 K		80 K		80 K		
Locked rotor time			23s (cold) 13s (hot)		21s (cold) 12s (hot)		27s (cold) 15s (hot)		
Noise level <sup>2</sup>	25%	56.0 dE	3(A)	<u> </u>	56.0 dB(A)	58	.0 dB(A)		
	50%	01 (	01.0		00.5		90.2		
Efficiency (%)	50% 75%	91.0 91.5		+	90.5		90.2		
	100%				91.4		91.0		
	25%	91.2	91.2		91.7		91./		
	25% 50%	0.70	0.70		0.64		0.65		
Power Factor	50% 75%			0.64					
	100%		0.81 0.86		0.76		0.76		
				<u> </u>			0.01		
Losses at normati	ve operatir	ng points (speed;tor		•		ſ	0.0		
		P1 (0,9;1,0)					8.8		
		P2 (0,5;1,0)		<sup>7</sup> .4	7.0		7.0		
		P3 (0,25;1,0)		6.8	6.3		6.3		
Losses (%)		P4 (0,9;0,5)		5.6	5.2		5.2		
		P5 (0,5;0,5)		3.7			3.5		
		P6 (0,5;0,25)		2.8	2.7		2.7		
		P7 (0,25;0,25)		.9	1.8		1.8		
			Non drive end						
Bearing type		: 6308 ZZ	6207 ZZ	Max. tract		: 275 kgf			
Sealing		: V'Ring	V'Ring	V'Ring Max. compression		: 362 kgf			
Lubrication interval		: -	-						
Lubricant amount		: -							
Lubricant type		: Mobil Po	lyrex EM						
This revision rent:	aces and c	ancel the previous o	ne which	These are	average values	hased on tests w	/ith sinusoidal		
This revision replaces and cancel the previous one, which must be eliminated.				These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA					
(1) Looking the m		he shaft end.	shaft end.		MG-1.				
		n tolerance of +3dB(	A).						
		ect to changes after							
manufacturing pro		C C							
(4) At 100% of full									
Rev. Changes Summary				Performed	Checked	Date			
	-								
Performed by									
Performed by Checked by						Page	Revision		

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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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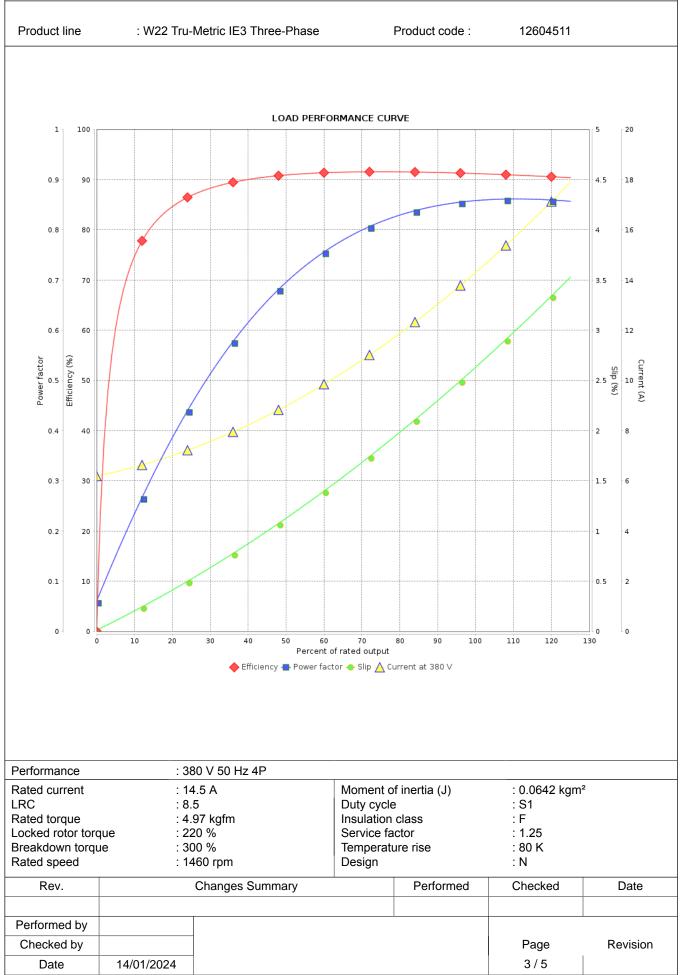
# LOAD PERFORMANCE CURVE

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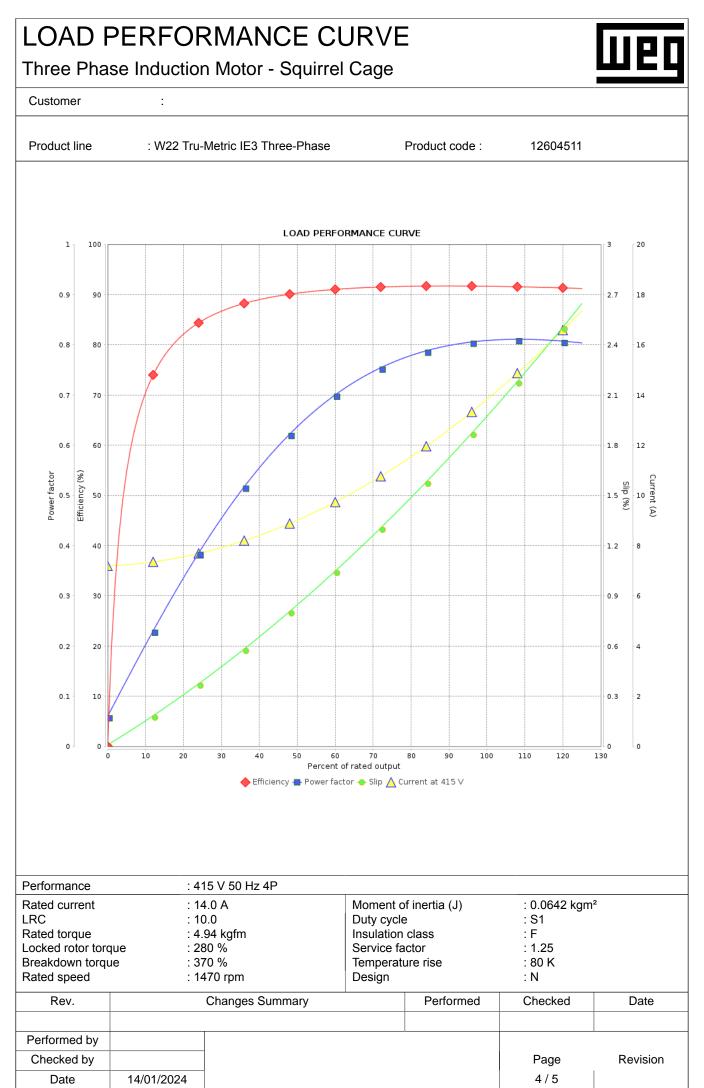


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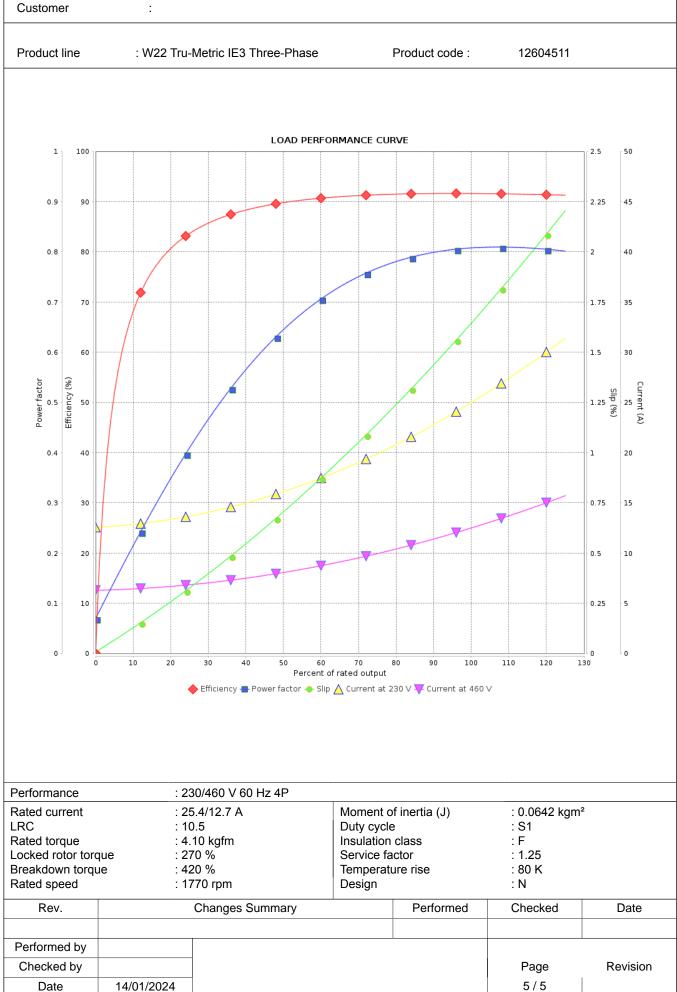
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