## DATA SHEET

## Three Phase Induction Motor - Squirrel Cage

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## Customer

Product line : W22		22 Tru-Metric IE3 Three-Phase		Product code :		13270943		
Frame Insulation class Duty cycle Ambient temperature Altitude Protection degree Design		: 250S/M : F : S1 : -20°C to +40°C : 1000 m.a.s.l. : IP55 : N		Cooling method Mounting Rotation <sup>1</sup> Starting method Approx. weight <sup>3</sup> Moment of inertia (J)		: IC411 - TEFC : B3L(E) : Both (CW and CCW) : Direct On Line : 527 kg : 0.4888 kgm <sup>2</sup>		
Output [HP]		75		75			75	
Poles		2		2		2		
Frequency [Hz]		50		50		60		
Rated voltage [V]		380		415		230/460		
Rated current [A]		99.6		93.3		165/82.4		
L. R. Amperes [A]		747		793		1	1417/709	
_RC [A]		7.5			8.5		8.6	
No load current [A]			20.0		23.0		42.0/21.0	
Rated speed [RPM]		2955		2965			3565	
Slip [%]		1.50			1.17		0.97	
Rated torque [kgfm		18.4		18.4			15.3	
_ocked rotor torqu			229		290		310	
Breakdown torque	[%]		229		290		310	
Service factor			1.25		1.25		1.25	
Temperature rise		80 K		80 K			80 K	
Locked rotor time		59s (cold) 33s (hot)		52s (cold) 29s (hot)		66s (cold) 37s (hot)		
Noise level <sup>2</sup>	050/	74.0 dB	(A)	7	4.0 dB(A)	79	9.0 dB(A)	
Efficiency (%)	25%	00.5						
	50%	93.5		93.0			93.5	
	75%		94.0		94.0		94.0	
	100% 25%	94.3	94.3		94.3		94.1	
	25% 50%	0.82	0 80		0.78		0.80	
Power Factor	50% 75%	0.82		0.78			0.80	
	100%	0.87		0.85		0.89		
• •							5.00	
Losses at normati	ve operatin	g points (speed;torq						
		P1 (0,9;1,0) 5.				5.8		
				.7 3.7		3.8		
		P3 (0,25;1,0)		.1	3.1	3.2		
Losses (%)		P4 (0,9;0,5)		.2	3.2		3.4	
		P5 (0,5;0,5) P6 (0,5;0,25)		.6 .1	1.6		1.7	
		P6 (0,5;0,25) P7 (0,25;0,25)		. I .5	0.5		<u> </u>	
							0.0	
Bearing type		: NU-314 C3	Drive end Non drive end NU-314 C3 6314 C3		Foundation loads Max. traction		: 202 kgf	
Sealing Lubrication interval		: WSeal			Max. compression		: 729 kgf	
Lubricant amount		: 27 g						
Lubricant type		: Mobil Poly						
must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate w manufacturing pro	d. otor from th m and with veight subje ocess.	ncel the previous or e shaft end. tolerance of +3dB(A ct to changes after			average values ply, subject to the			
(4) At 100% of full load. Rev. Changes Summary				Performed	Checked	Date		
Rev.								
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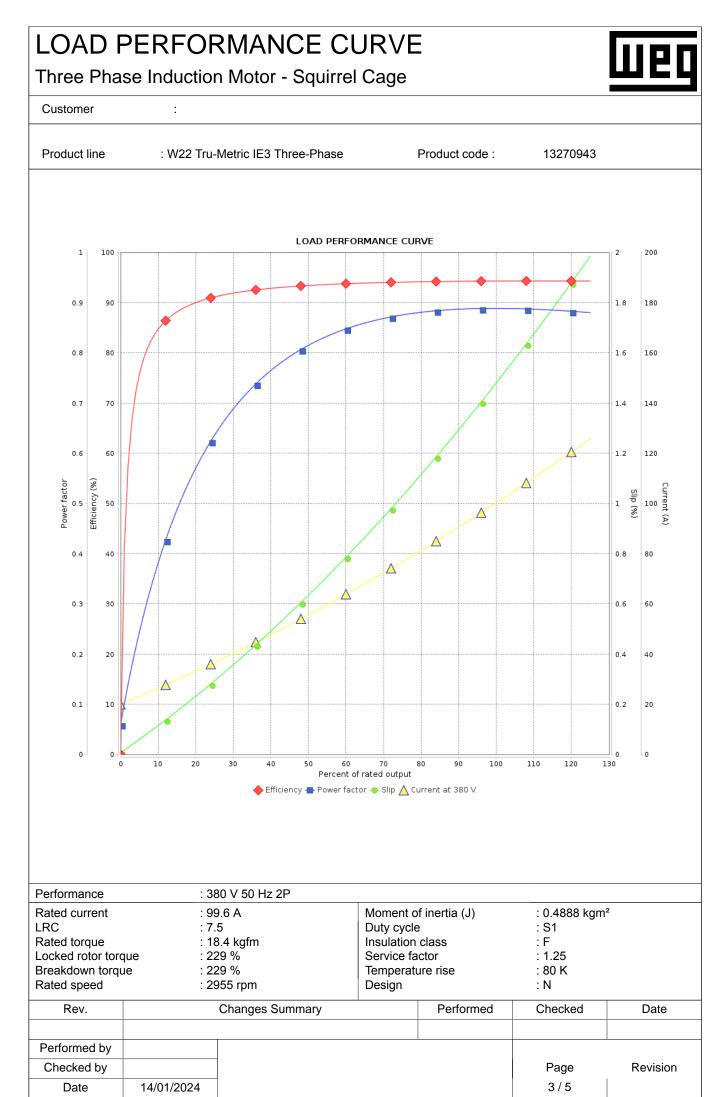
Customer

Notes

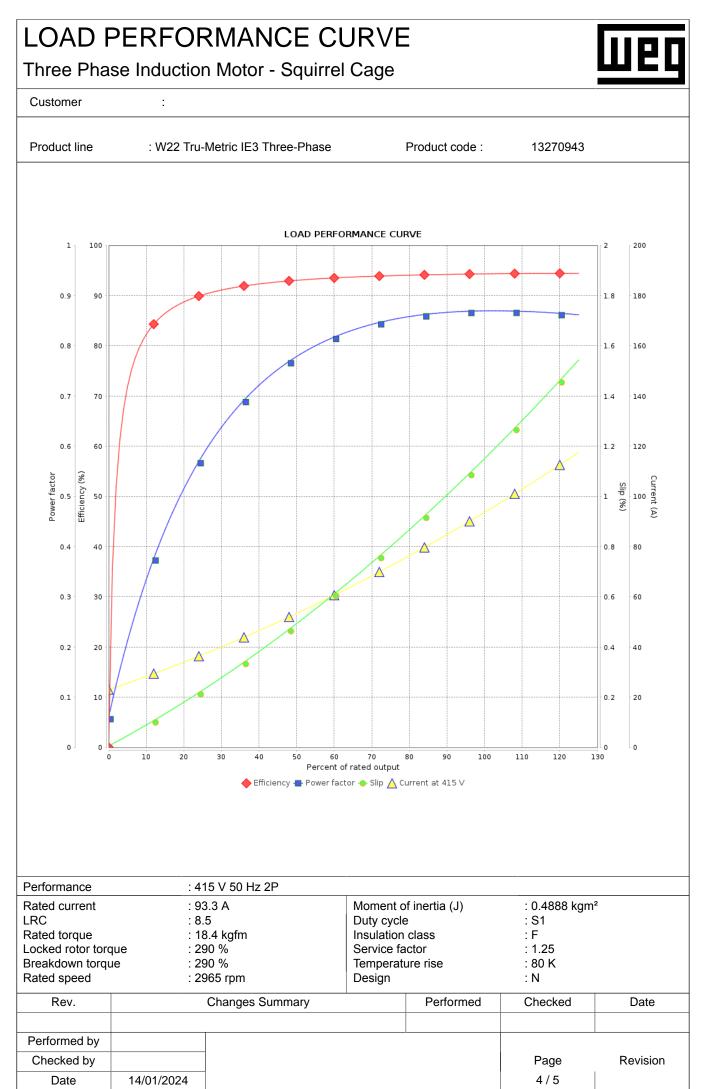
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Rev.		Changes Summary	Performed	Checked	Date
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Date	14/01/2024			2/5	

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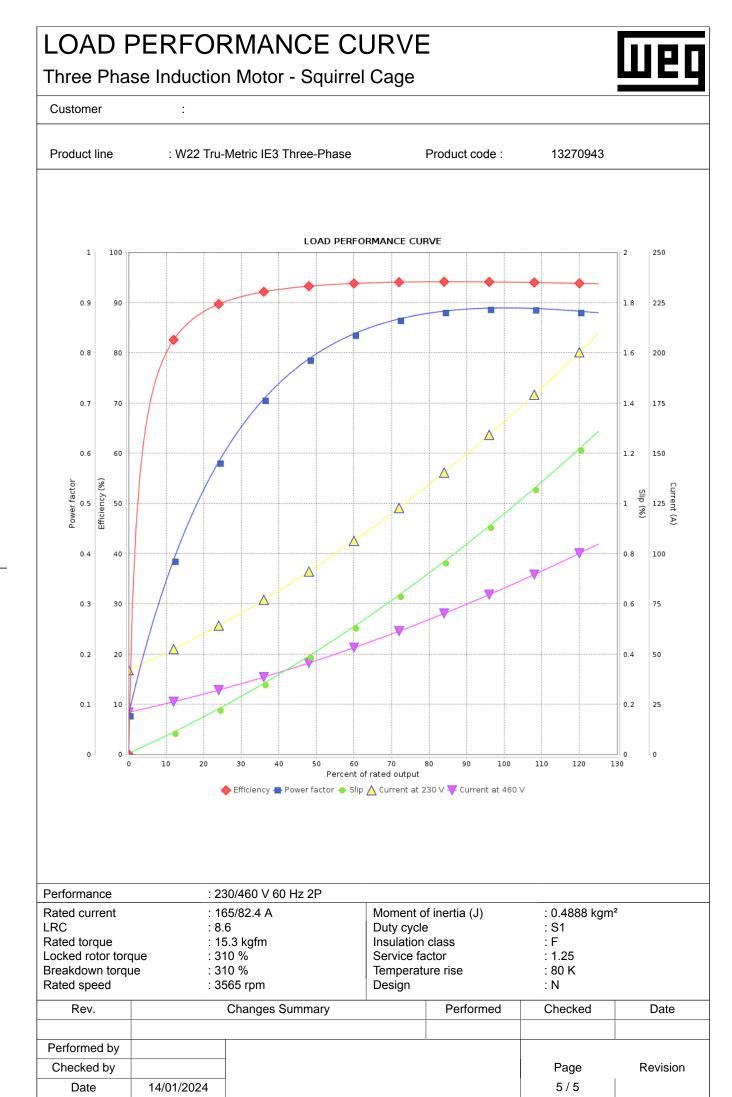




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