DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer : Astraprom d.o.o.

Product line : W22 IE3 Three-Phase					Product code :			12862439		
Frame Insulation class Duty cycle Ambient temperature Altitude Protection degree Design		: 180M : F : S1 : -20°C to +40°C : 1000 m.a.s.l. : IP55 : N			Cooling method Mounting Rotation ¹ Starting method Approx. weight ³ Moment of inertia (J)		J)	: IC411 - TEFC : B5T : Both (CW and CCW) : Direct On Line : 185 kg : 0.0968 kgm²		
Output [kW]		22			22 2		22	2 22		
Poles		2		2			2		2	
Frequency [Hz]		50			50		50		60	
Rated voltage [V]		380/660		400/690			415		460	
Rated current [A]		41.4/23.8		39.8/23.1			39.3		35.6	
L. R. Amperes [A]		344/198		330/192			326		313	
LRC [A]		8.3		8.3			8.3		8.8	
No load current [A]		14.0/8.06		15.0/8.70			17.0		14.5	
Rated speed [RPN	1]	2955			2960		2965		3565	
Slip [%]	1		7.05		7.0.1		=		0.04	
Rated torque [kgfn		7.25			7.24		7.23		6.01	
Locked rotor torqu		290			320		340		380	
Breakdown torque [%]		290			320		340		370	
Service factor		1.00			1.00		1.00		1.00	
Temperature rise		80 K			80 K		80 K		80 K	
Locked rotor time Noise level ²		67.0 dB(A)		~			67 0 20/4	<u>, </u>	72 0 40/4	
	25%	07.0		Ö	7.0 dB(A)		67.0 dB(A	<u>v</u>	72.0 dB(A)	
	50%									
Efficiency (%)	75%									
	100%									
	25%									
_	50%									
Power Factor	75%			<u> </u>						
	100%									
1										
Losses at normati				n percei				<u> </u>	7.0	
		,9;1,0)	7.6		7.		7.6		7.9 6.6	
		,5;1,0)	6.3		6.3 5.7		5.7		6.0	
Losses (%)		25;1,0) ,9;0,5)	5.7		3.7		3.7		3.9	
LUSSES (70)		,9,0,5) ,5;0,5)	3.7		2.		2.		2.5	
		,5,0,5) 5;0,25)	1.5		1.		1.		1.6	
		25;0,25)	1.0		1.		1.		1.0	
	F / (U,2		-				I.	•	1.1	
Bearing type Sealing Lubrication interval		: <u>Drive end</u> <u>Non drive end</u> : 6311 ZZ C3 6211 ZZ C3			Foundatio					
					Max. traction Max. compression			: 226 kgf : 411 kgf		
		: Oil S	са цр	Seal						
Lubrication Interv				-						
Lubricant type		Mobil Polyrex EM								
Lubricant type		. 171								
This revision repla must be eliminate (1) Looking the m	d.			nich					with sinusoidal oulated in IEC	
(2) Measured at 1(3) Approximate vmanufacturing pro	m and with t veight subjec ocess.	olerance of	f +3dB(A).		00034-1.					
(4) At 100% of full load. Rev. Changes Summary					Performed		Checked Dat			
Rev.									1	
Rev.					1					
Rev.										
-								Page	Revision	

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Notes

Rev. Changes Summary Performed Checked Date Performed by Checked by Page Revision 13/10/2023 2/19 Date

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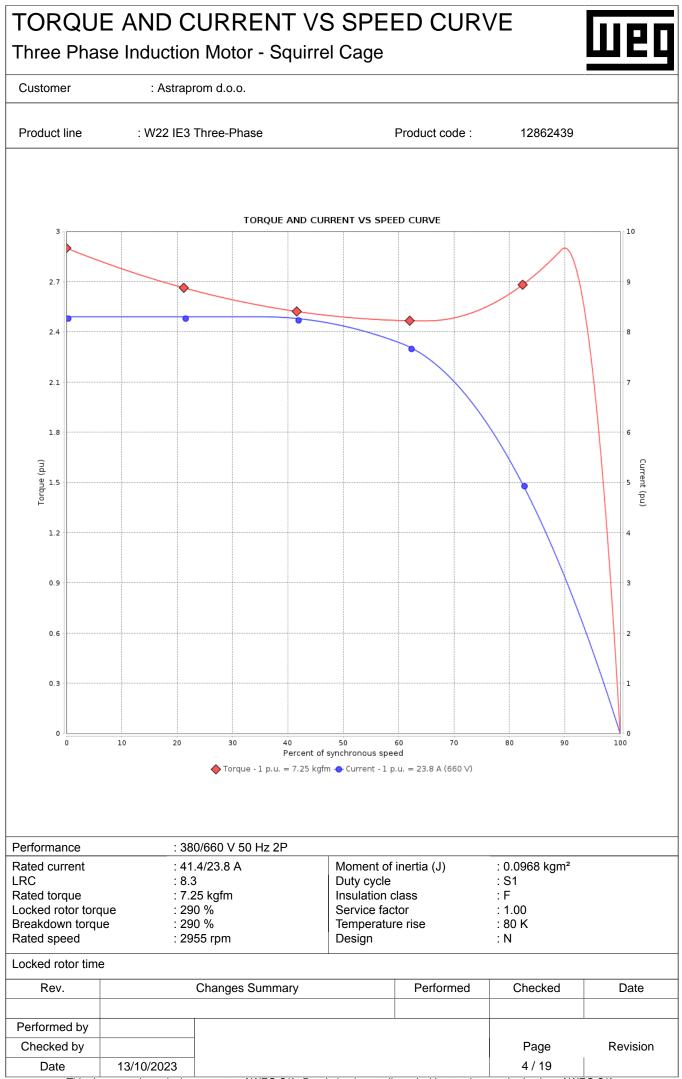
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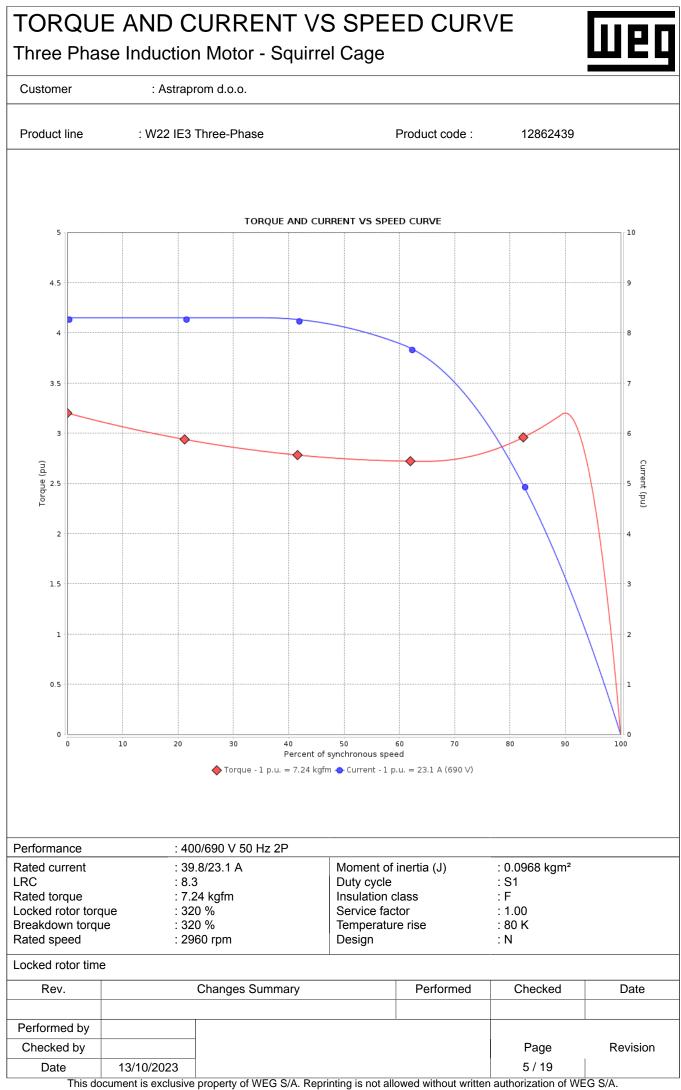


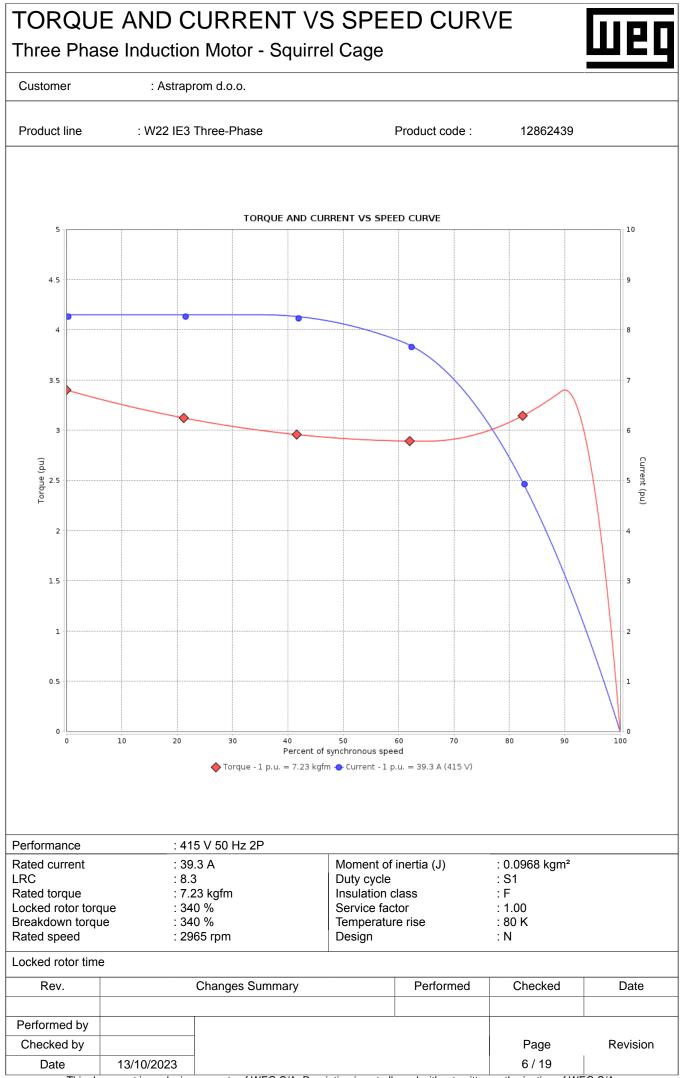
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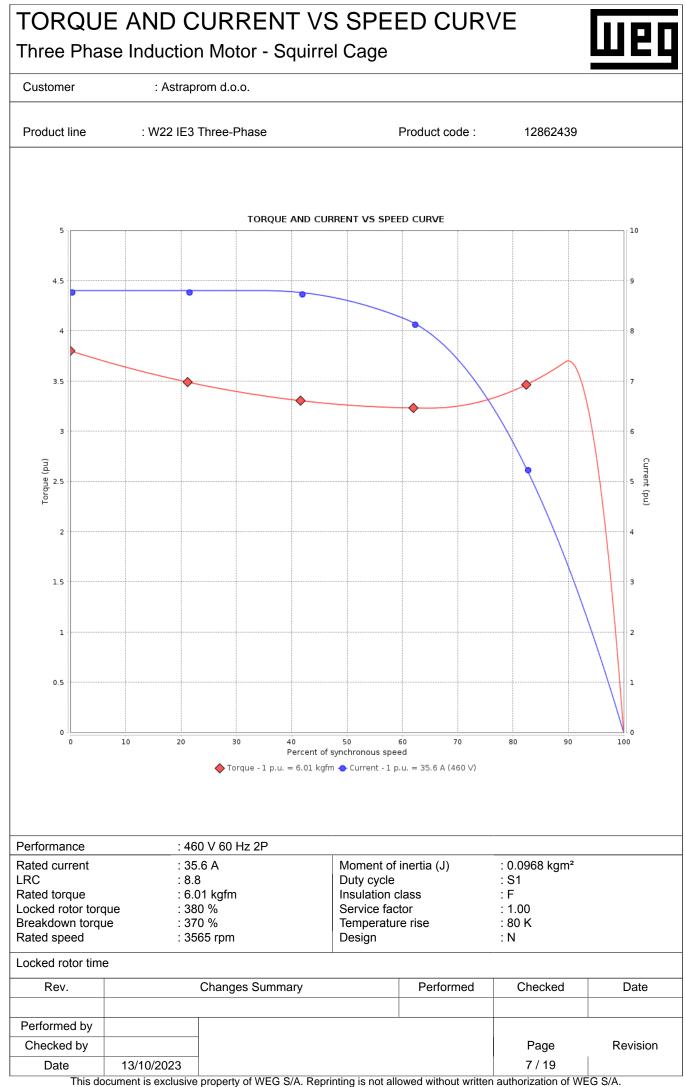
ID	Application	Туре	Quantity	Sensing	Temperature
1	Winding	Thermistor - 2 wires	1 x Phase		55 °C
				,	
	Chai	nges Summary	Performed	Checked	Date
Rev.					
Rev. Performed by Checked by				Page	Revision



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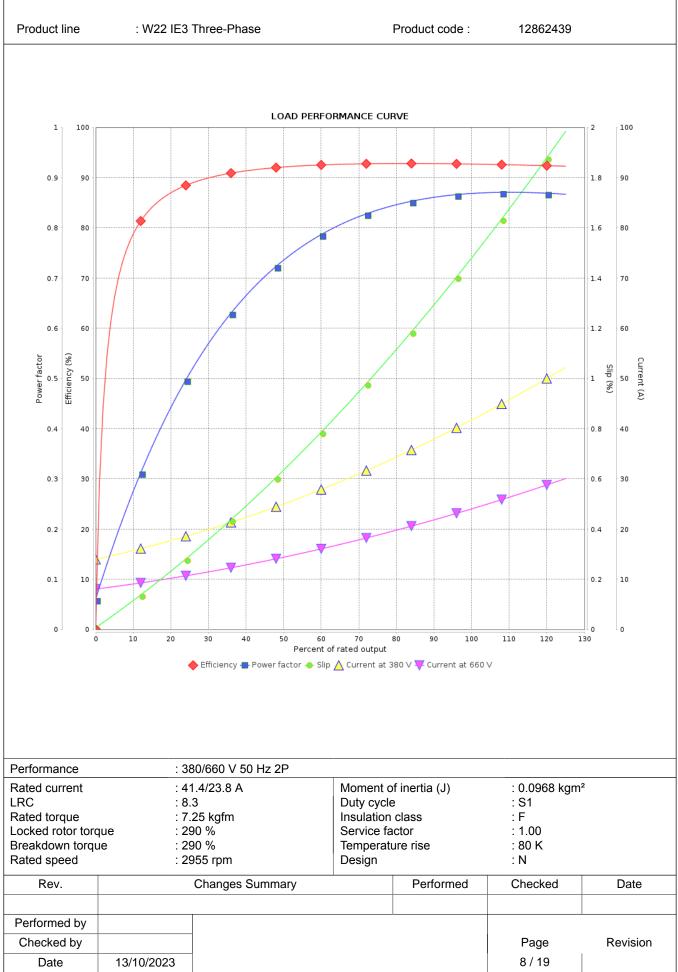
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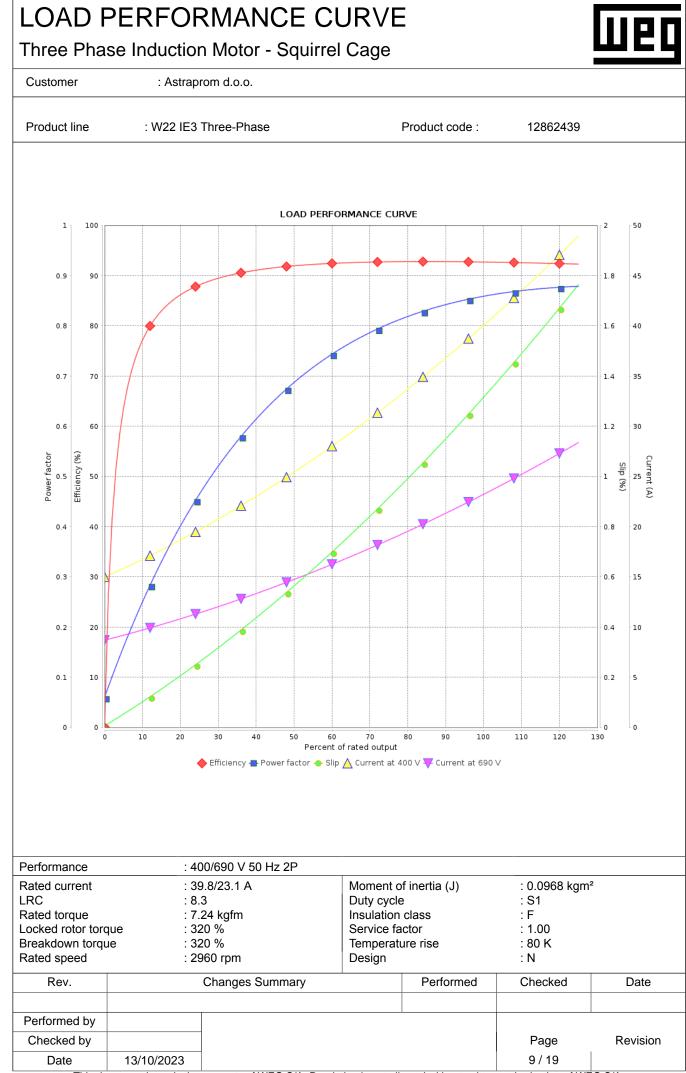


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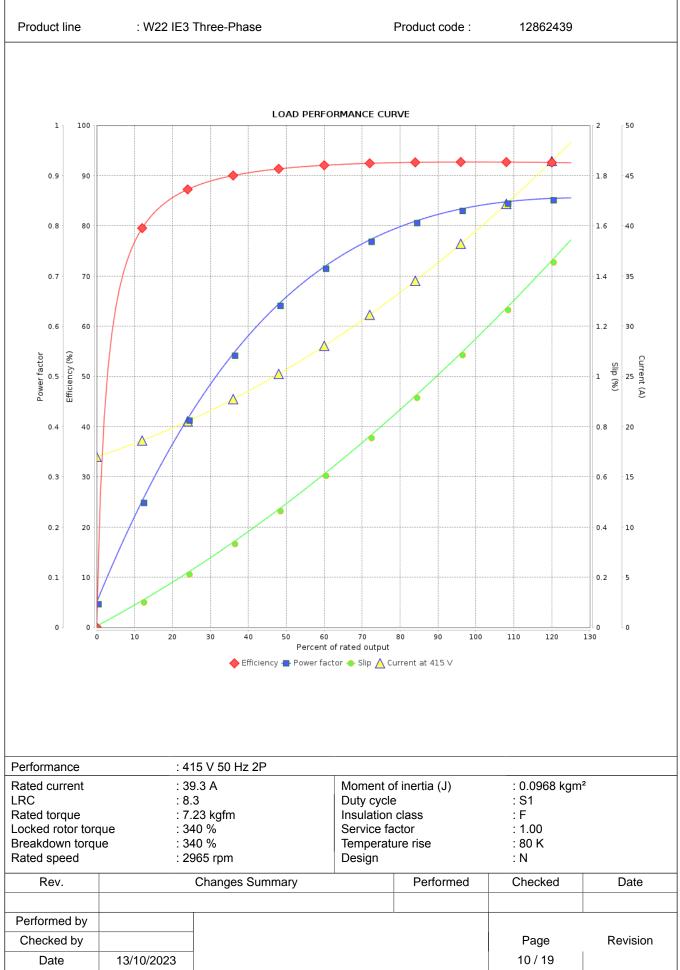
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