DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer : Astraprom d.o.o.

Product line : W22 IE3 Three-Phase					Product code : 12867356				
Frame Insulation class Duty cycle Ambient temperature Altitude Protection degree Design		: 112M : F : S1 : -20°C to +40°C : 1000 m.a.s.I. : IP55 : N		Cooling method Mounting Rotation ¹ Starting method Approx. weight ³ Moment of inertia (J)		: IC411 - TEFC : B3T : Both (CW and CCW) : Direct On Line : 40.6 kg : 0.0081 kgm²			
Dutput [kW]			4		4		4	4	
Poles		2		2			2	2	
Frequency [Hz]		50		50		50		60	
Rated voltage [V]		380/660		400/690		415		460	
Rated current [A]		8.01/4.61		7.87/4.56		7.77		6.92	
R. Amperes [A]		59.3/34.1		60.6/35.1		62.2		60.9	
.RC [A]		7.4		7.7			3.0	8.8	
No load current [A]		3.40/1.96		3.80/2.20			.20	3.70	
Rated speed [RPM]		2890		2910			920	3525	
Slip [%]		3.67		3.00			.67	2.08	
Rated torque [kgfm		1.35		1.34			.33	1.11	
_ocked rotor torque		229			250		280	300	
Breakdown torque	[%]	310			350		80	430	
Service factor		1.00		1.00		1.00		1.00	
Temperature rise		80 K			80 K		0 K	80 K	
Locked rotor time		19s (cold) 0s (hot)			18s (cold) 0s (hot)		d) 0s (hot)	21s (cold) 0s (hot)	
Noise level ²	050/	62.0) dB(A)	6	2.0 dB(A)	62.0	dB(A)	66.0 dB(A)	
	25%	07.5			07.0			05.5	
Efficiency (%)	50% 75%		37.5	87.0 88.4		86.0 88.0		85.5 87.5	
	100%	88.2			88.4		8.0 8.4	87.5	
	25%	č	88.2		00.4	8	0.4	00.0	
	50%	0.70			0.65	0.60		0.63	
Power Factor	75%	0.70		0.05		0.00		0.03	
	100%		0.80		0.83		.81	0.82	
Losses at normati				1 percer		Juput power		10.0	
P2 ((,9;1,0) 13.2		13.0		13.0 11.6		12.9 11.4	
		,5;1,0) 11.8 25;1,0) 10.8			11.6 10.6			11.4	
Losses (%)	P3 (0,2 P4 (0,		6.6		6.4	10.6 6.4		<u> </u>	
L033C3 (70)	P4 (0, P5 (0,		4.7		4.6		4.6	4.5	
		5;0,25)	3.2		3.1		3.1	3.1	
	P7 (0,2		2.3		2.2		2.2	2.2	
	11 (0,2			ive and	Foundation loa	ads			
		Drive end Non drive end : 6207 ZZ 6206 ZZ			Max. traction		. 70 kmf		
Bearing type							: 79 kgf : 120 kgf		
Bearing type			ina \/'I	Ring		sion	· 120 k	af	
Sealing	al		ing V'I	Ring -	Max. compres	sion	: 120 k	gf	
Sealing Lubrication interv			ing V'I	Ring - -		sion	: 120 k	gf	
Sealing		: V'Ri : -	ing V'I obil Polyrex E	-		sion	: 120 k	gf	
Sealing Lubrication interv Lubricant amount Lubricant type This revision repla must be eliminated	t aces and can d.	V'Ri 	obil Polyrex E vious one, wh	- - -	Max. compress These are ave power supply,	rage values	s based on te	gf ests with sinusoidal s stipulated in IEC	
Sealing Lubrication interv Lubricant amount	t aces and can d. otor from the m and with to veight subjec ocess.	V'R V'R M cel the pre shaft end.	obil Polyrex E vious one, wh f +3dB(A).	- - -	Max. compress	rage values	s based on te	ests with sinusoidal	
Sealing Lubrication interv Lubricant amount Lubricant type This revision repla must be eliminated (1) Looking the mod (2) Measured at 1 (3) Approximate w manufacturing pro	t aces and can d. otor from the m and with to veight subjec ocess.	: V'R : - : M cel the pre shaft end. blerance o t to change	obil Polyrex E vious one, wh f +3dB(A).	- - -	Max. compress These are ave power supply, 60034-1.	rage values	s based on te	ests with sinusoidal s stipulated in IEC	
Sealing Lubrication interv Lubricant amount Lubricant type This revision repla must be eliminated (1) Looking the mod (2) Measured at 1 (3) Approximate w manufacturing pro (4) At 100% of full	t aces and can d. otor from the m and with to veight subjec ocess.	: V'R : - : M cel the pre shaft end. blerance o t to change	obil Polyrex E vious one, wh f +3dB(A). es after	- - -	Max. compress These are ave power supply, 60034-1.	rage values subject to t	s based on te he tolerances	ests with sinusoidal s stipulated in IEC	
Sealing Lubrication interv Lubricant amount Lubricant type This revision repla must be eliminated (1) Looking the mo (2) Measured at 1 (3) Approximate w manufacturing pro (4) At 100% of full Rev.	t aces and can d. otor from the m and with to veight subjec ocess.	: V'R : - : M cel the pre shaft end. blerance o t to change	obil Polyrex E vious one, wh f +3dB(A). es after	- - -	Max. compress These are ave power supply, 60034-1.	rage values subject to t	s based on te he tolerances	ests with sinusoidal s stipulated in IEC ed Date	

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Notes

Rev. Changes Summary Performed Checked Date Performed by Checked by Page Revision 11/01/2024 2/19 Date



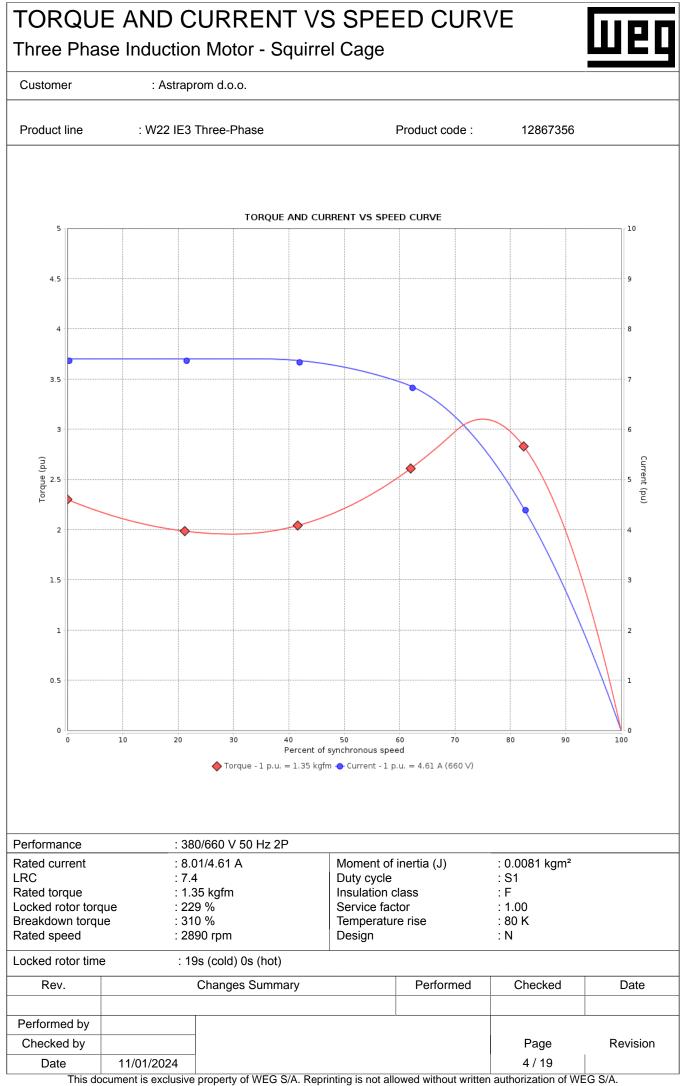
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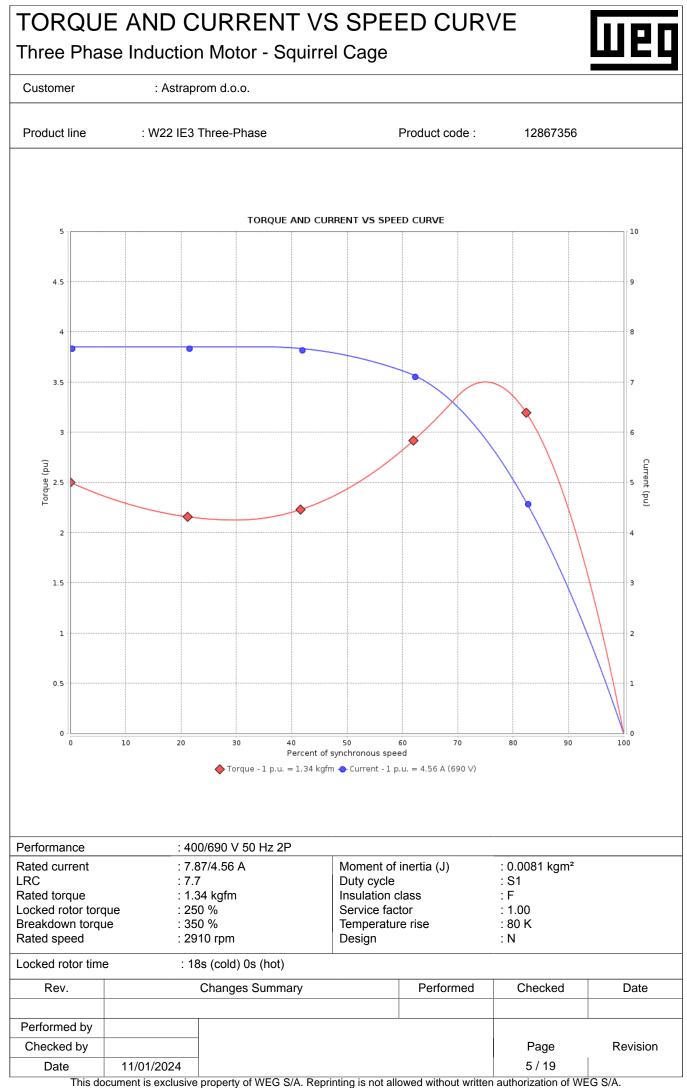
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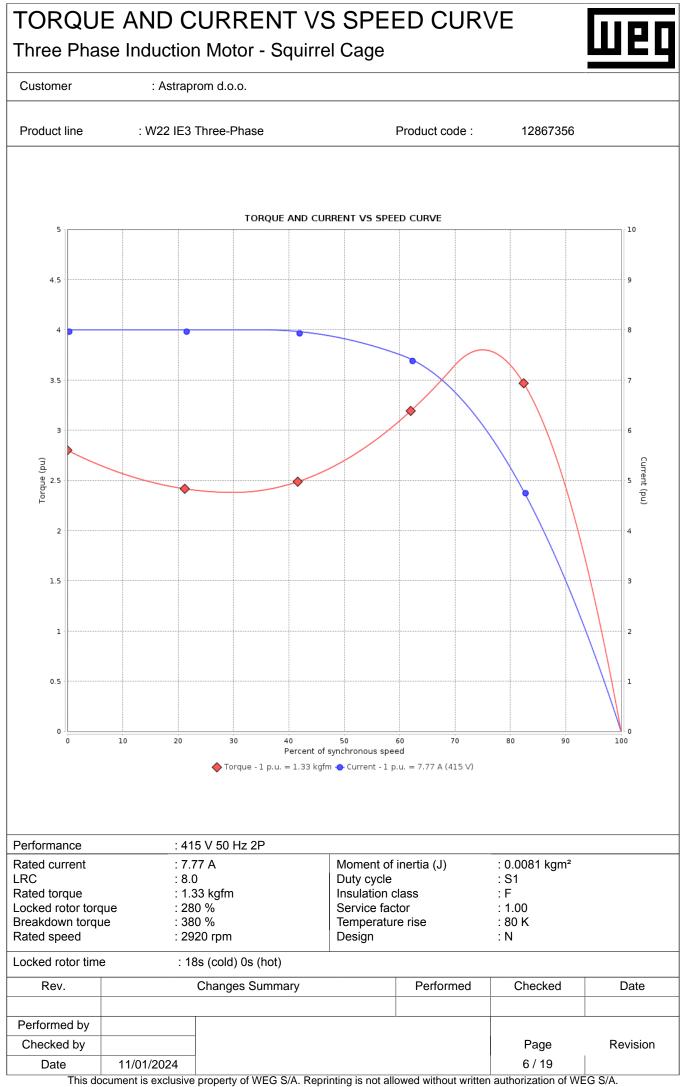


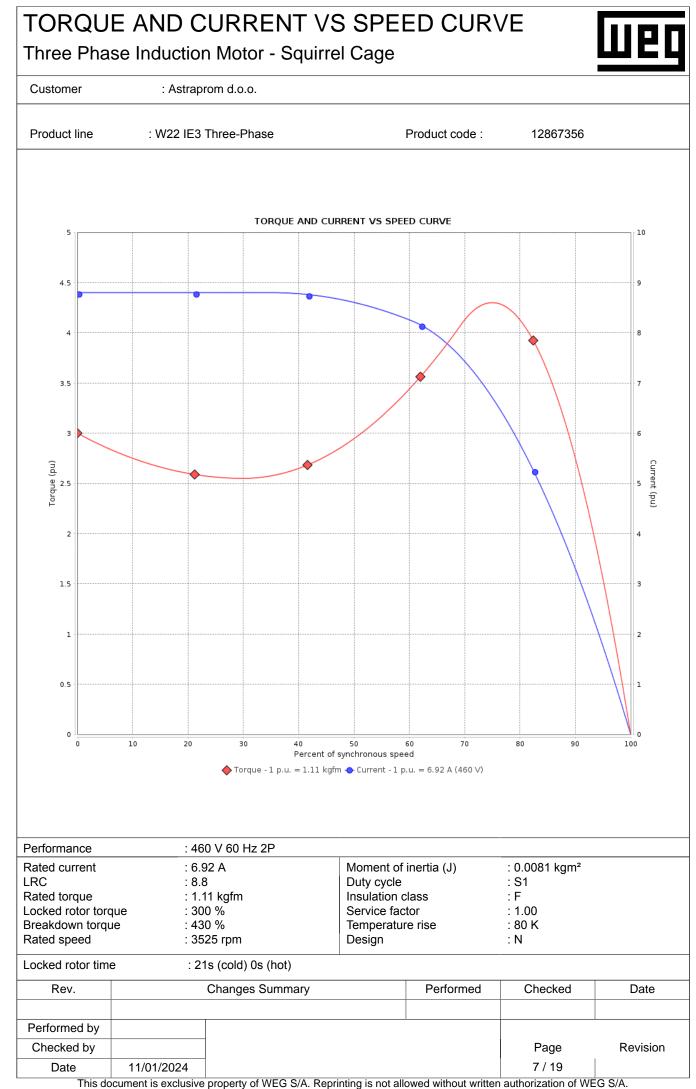
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ID	Application	Туре	Quantity	Sensing Temperature	
1	Winding	Thermistor - 2 wires	1 x Phase		55 °C
Rev.	Chang	ges Summary	Performed	Checked	Date
	1				
Performed by Checked by				Page	Revision









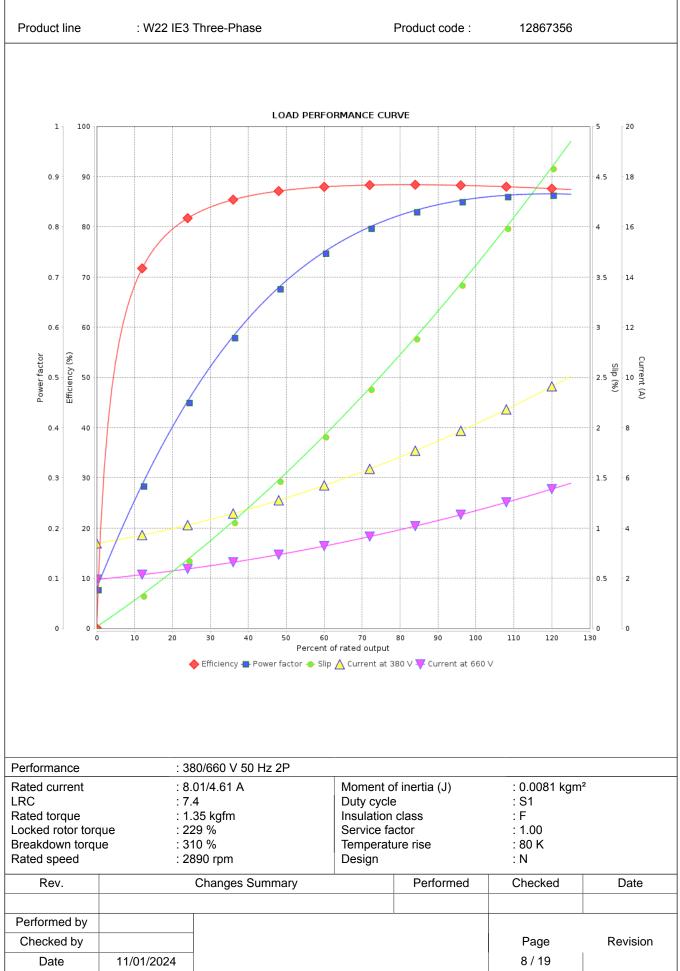
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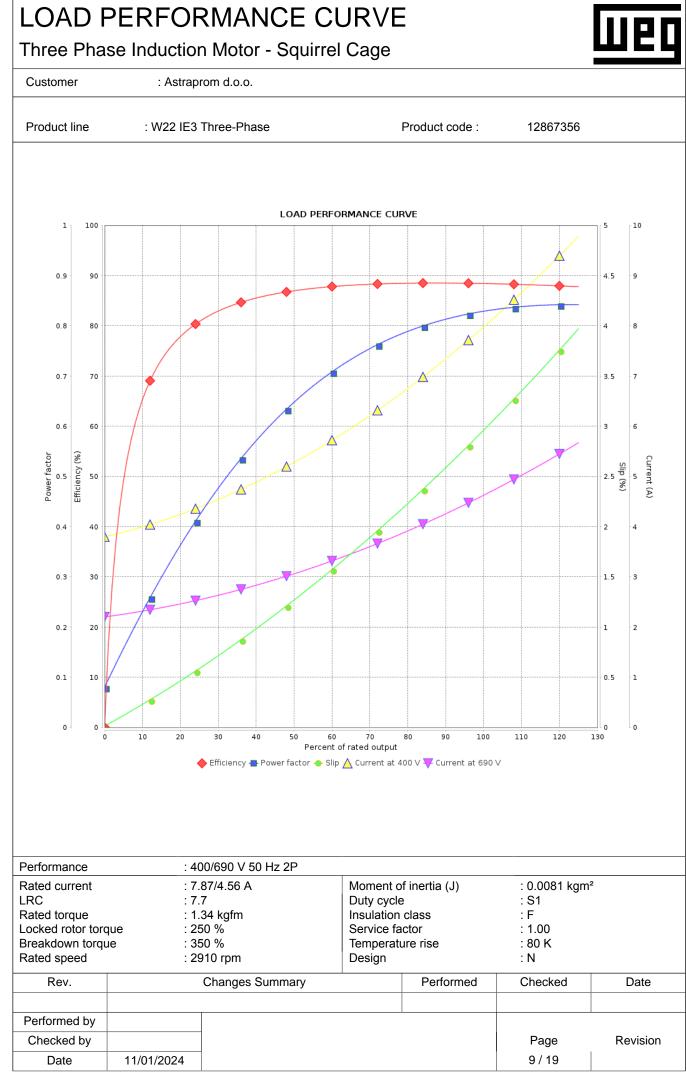
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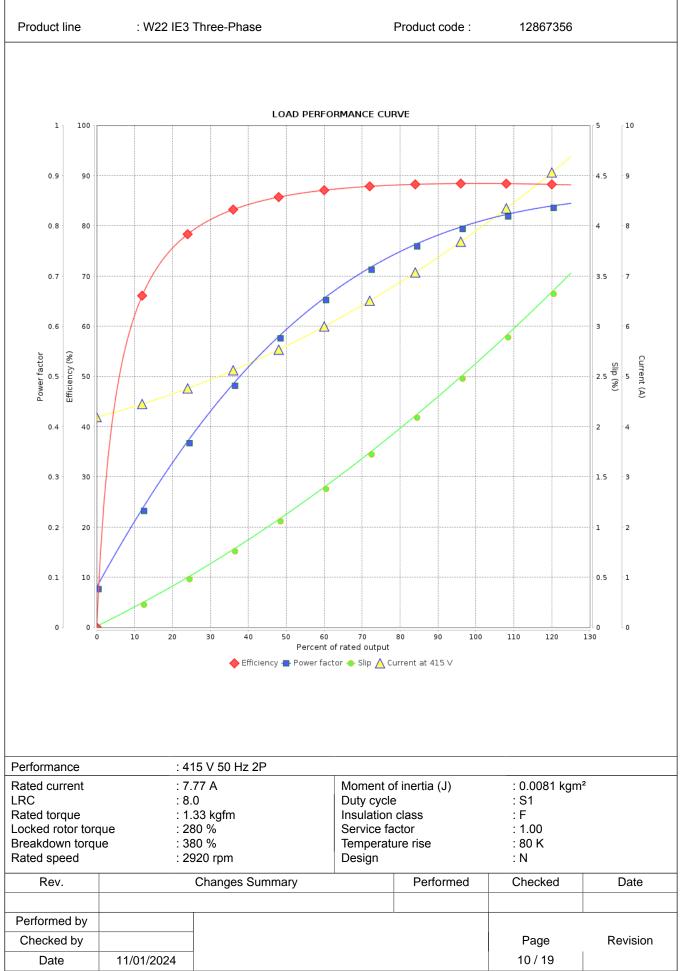
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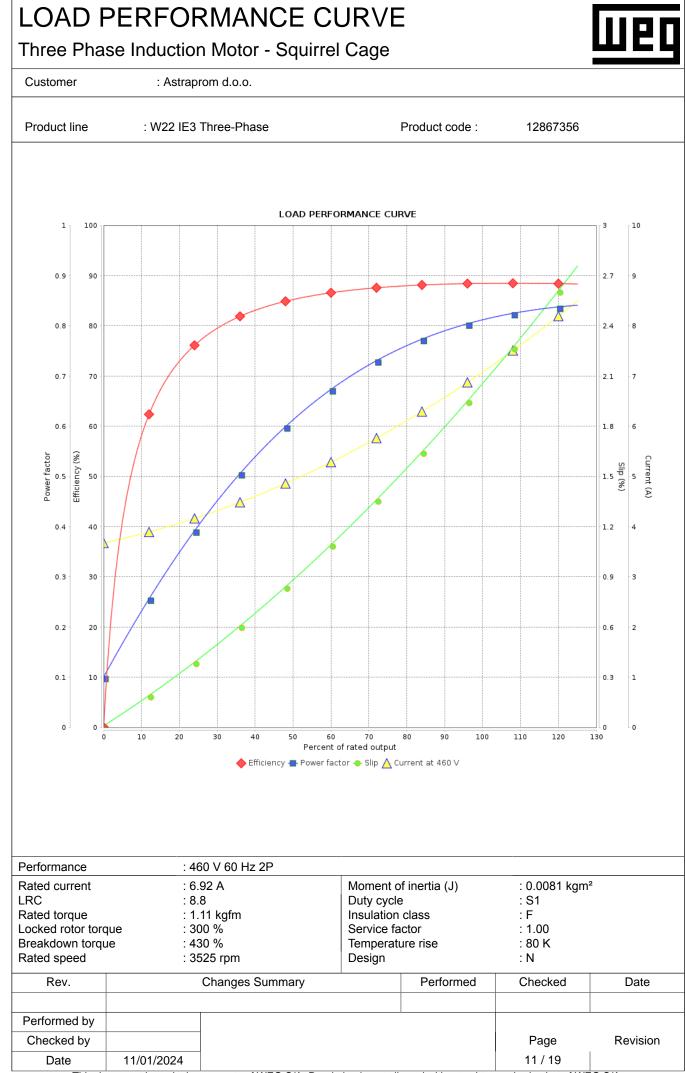
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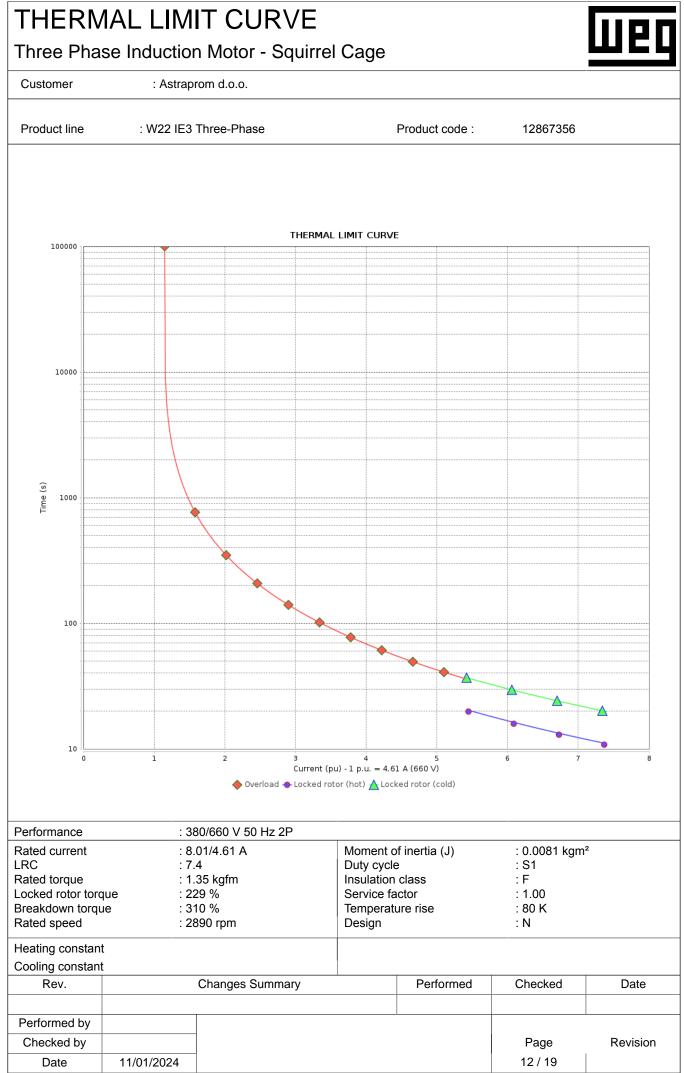


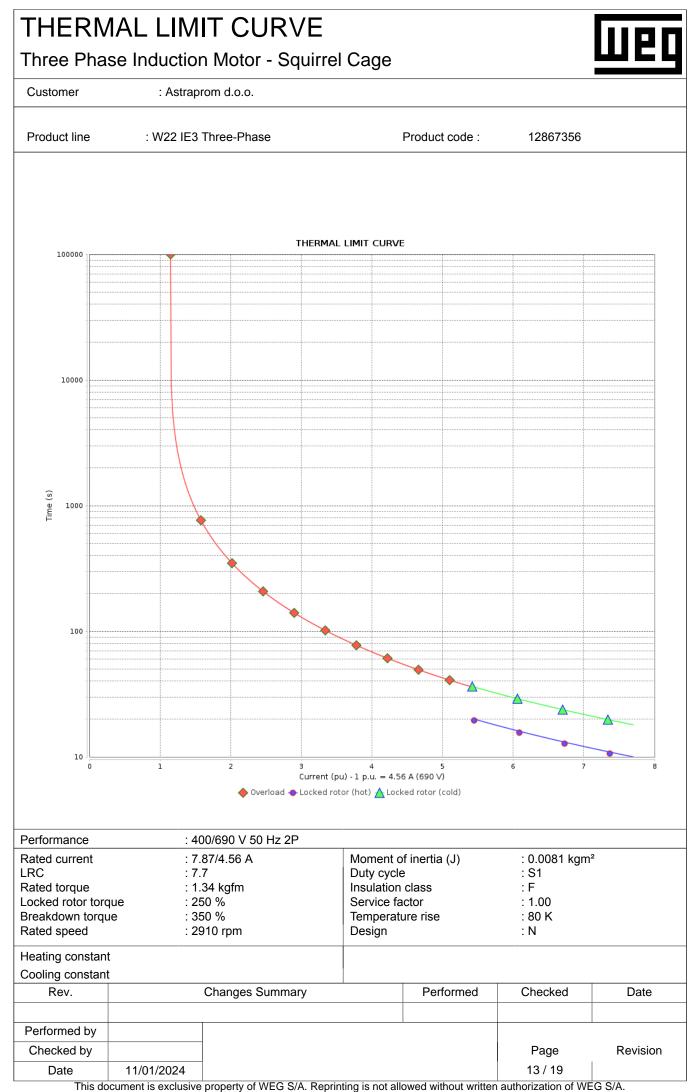
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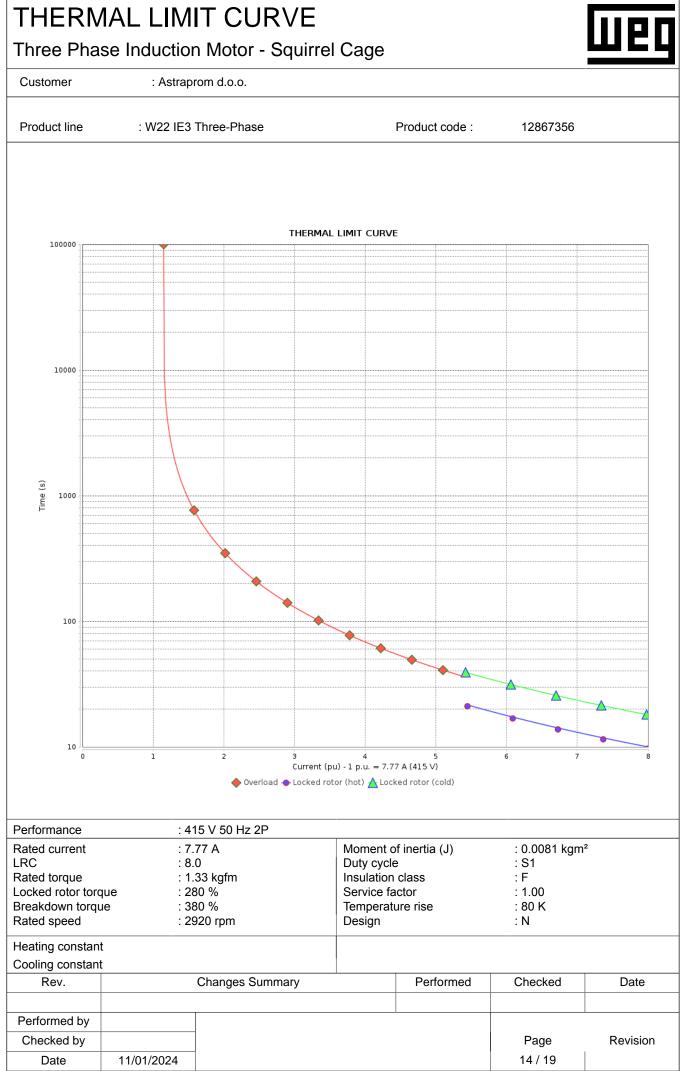
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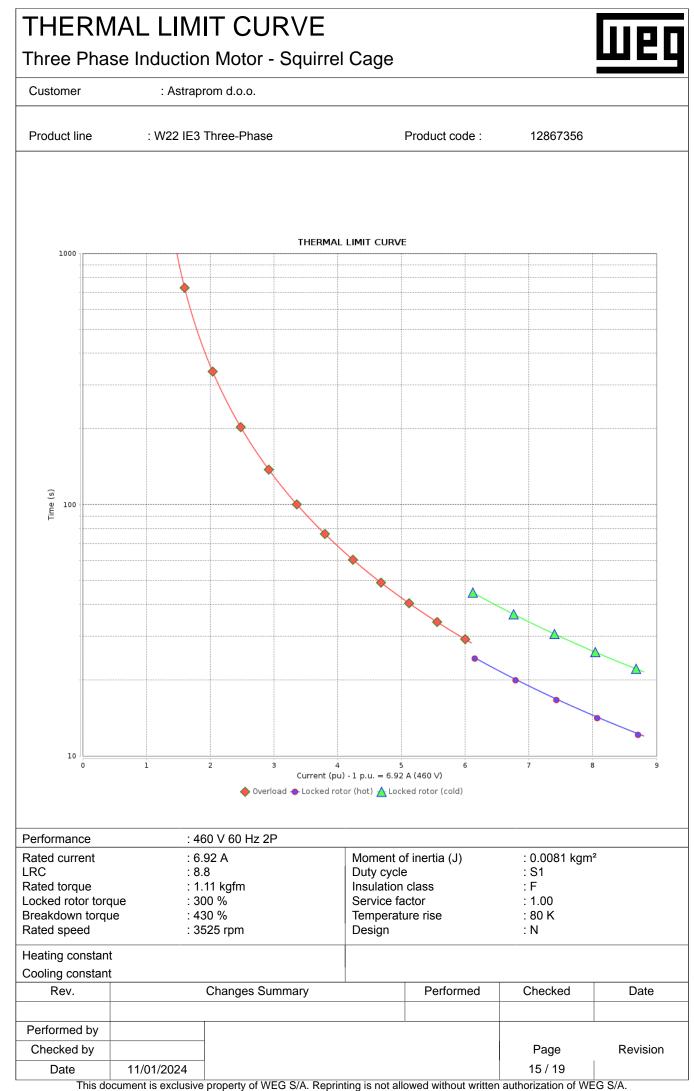












Subject to change without notice

