## DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer : Astraprom d.o.o.

Product line : IE4 T		hree-Phase		Product code :	12774373		
Frame Insulation class Duty cycle Ambient temperature Altitude Protection degree Design		: 280S/M : F : S1 : -20°C to +40°C : 1000 m.a.s.I. : IP55 : N	Mountin Rotation Starting Approx.		: IC411 - TEFC : B3T : Both (CW and CCW) : Direct On Line : 827 kg : 3.40 kgm²		
Dutput [kW]		90		90			
Poles		4		4			
Frequency [Hz]		50		60			
Rated voltage [V]		400/690		460			
Rated current [A]		161/93.3		141			
L. R. Amperes [A]		1272/737		1255			
LRC [A]		7.9		8.9			
No load current [A			58.0/33.6		55.0		
Rated speed [RPN	1]		1488		1790		
Slip [%]			0.80		0.56		
Rated torque [kgfn _ocked rotor torqu		250	58.9		49.0		
Breakdown torque		250			310		
Service factor	[/0]	1.00			1.00		
Temperature rise		80 K			80 K		
Locked rotor time		61s (cold) 3		72s (cold) 40s (hot)			
Noise level <sup>2</sup>		69.0 dB		73.0 dB(A)			
	25%	•-					
Efficiency (0/)	50%	95.7	,	95.0			
Efficiency (%)	75%	96.0	1	95.8			
	100%	96.1		96.2			
Power Factor	25%						
	50%	0.72		0.70			
	75%	0.81			0.79		
100%		0.84		0.83			
Losses at normat	ve operating	points (speed;torque), in	percentage of ra				
		P1 (0,9;1,0)			3.8		
		P2 (0,5;1,0)		3.0		2.9	
1	07.1	P3 (0,25;1,0)		2.7		2.6	
Losses (	70)	P4 (0,9;0,5)		2.1		2.0	
		P5 (0,5;0,5)		1.3 0.9		1.3 0.9	
ŀ		P6 (0,5;0,25) P7 (0,25;0,25)		0.9		0.9	
			and Equadat			0.0	
		<u>Drive end</u> <u>Non drive</u> : 6316 C3 6316	00	Foundation loads			
Bearing type		: WSeal WSe	Max. ua	Max. traction : 915 kgf Max. compression : 1742 kgf			
Bearing type				Max. compression . 1742 kgi			
Sealing	al			•			
		: 13000 h 1300	0 h				
Sealing Lubrication interv			0 h g				
Sealing Lubrication interv Lubricant amoun Lubricant type	t	: 13000 h 1300 : 34 g 34 : Mobil Polyrex EM	0 h g l				
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Customer

: Astraprom d.o.o.

Notes

Rev. Changes Summary Performed Checked Date Performed by Checked by Page Revision 05/12/2022 2/11 Date

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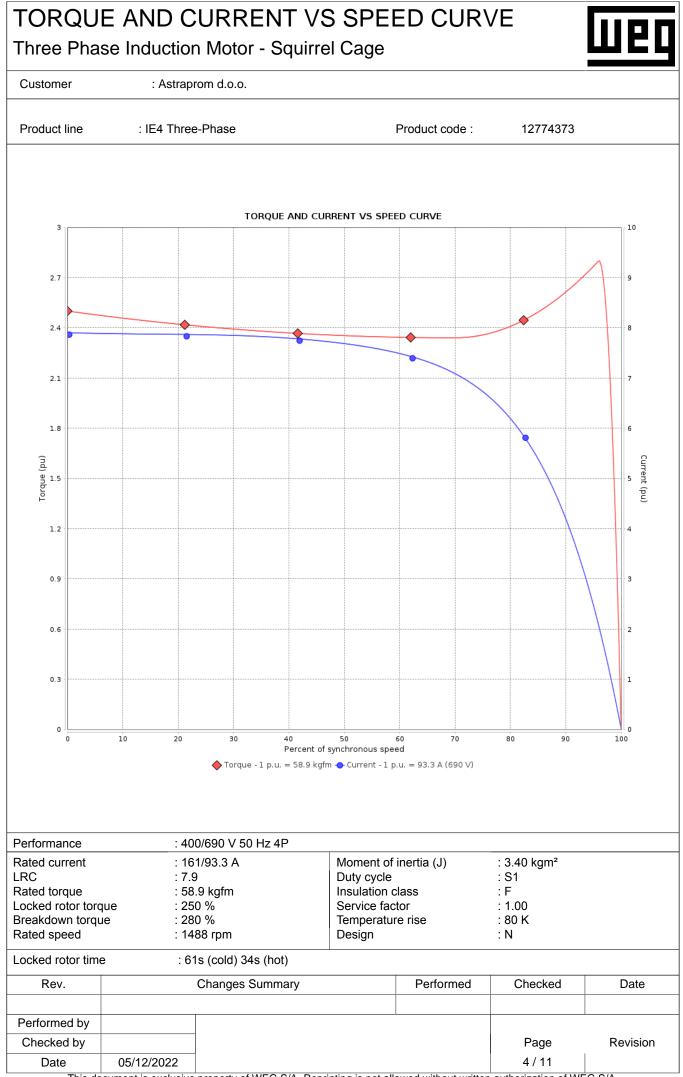
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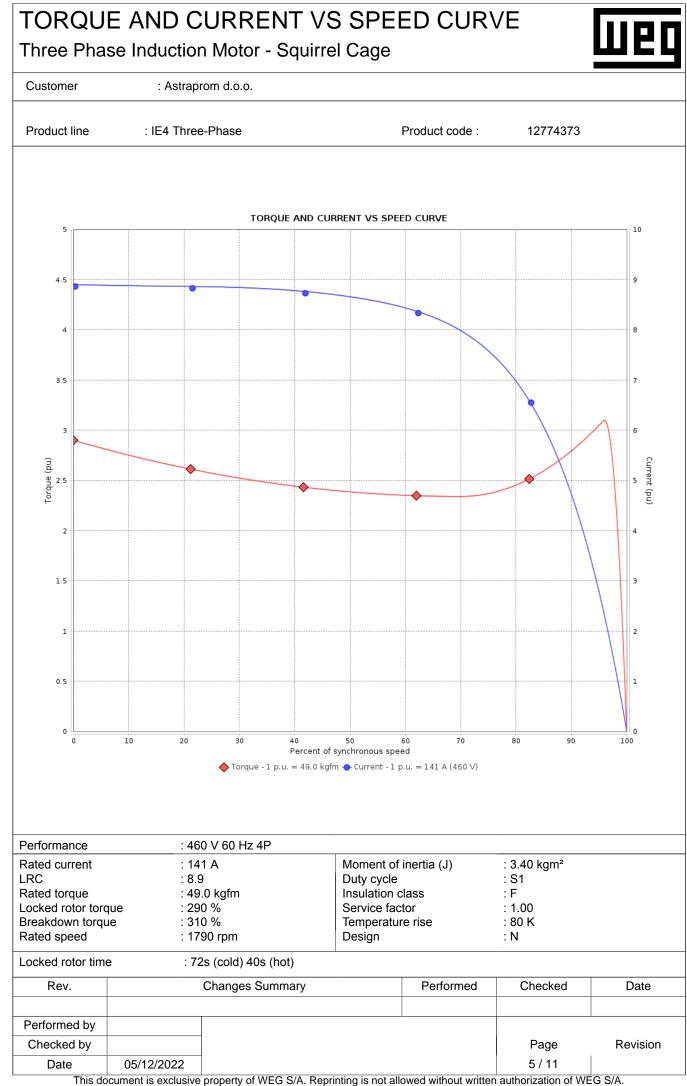


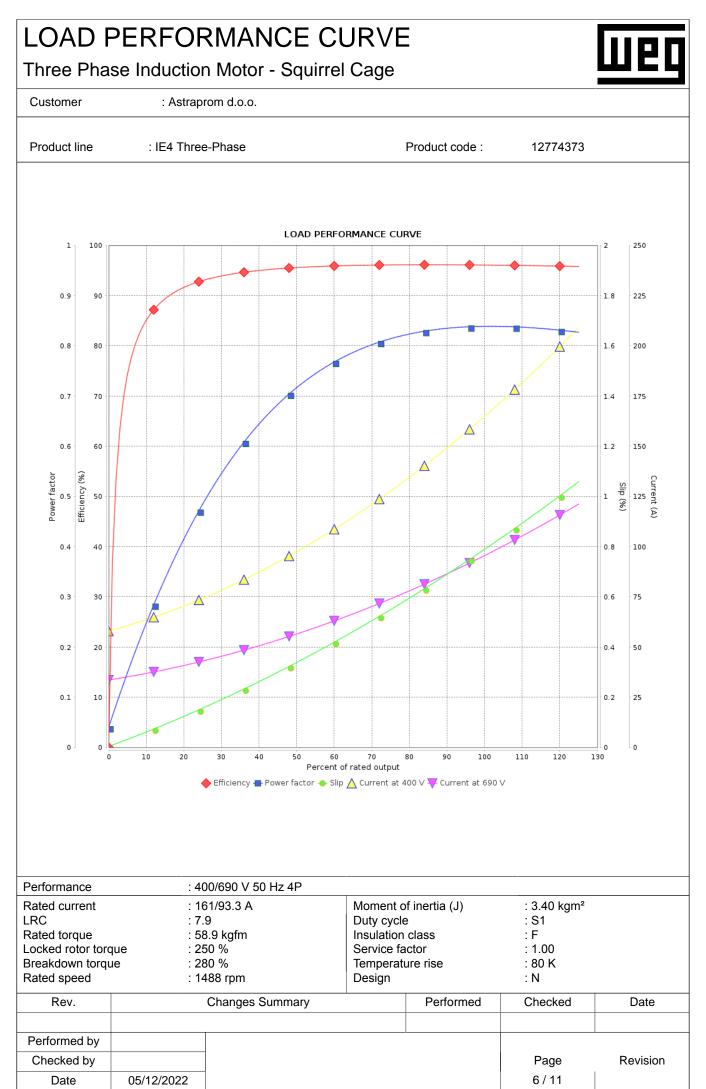
Customer : Astraprom d.o.o.

ID	Application	Туре	Quantity	Sensing Temperatu	
1	Winding	Thermistor - 2 wires	1 x Phase	1	55 °C
·			<u>,</u>		
Rev.	Chan	iges Summary	Performed	Checked	Date
Performed by					
				-	
Checked by	05/12/2022			Page 3 / 11	Revision

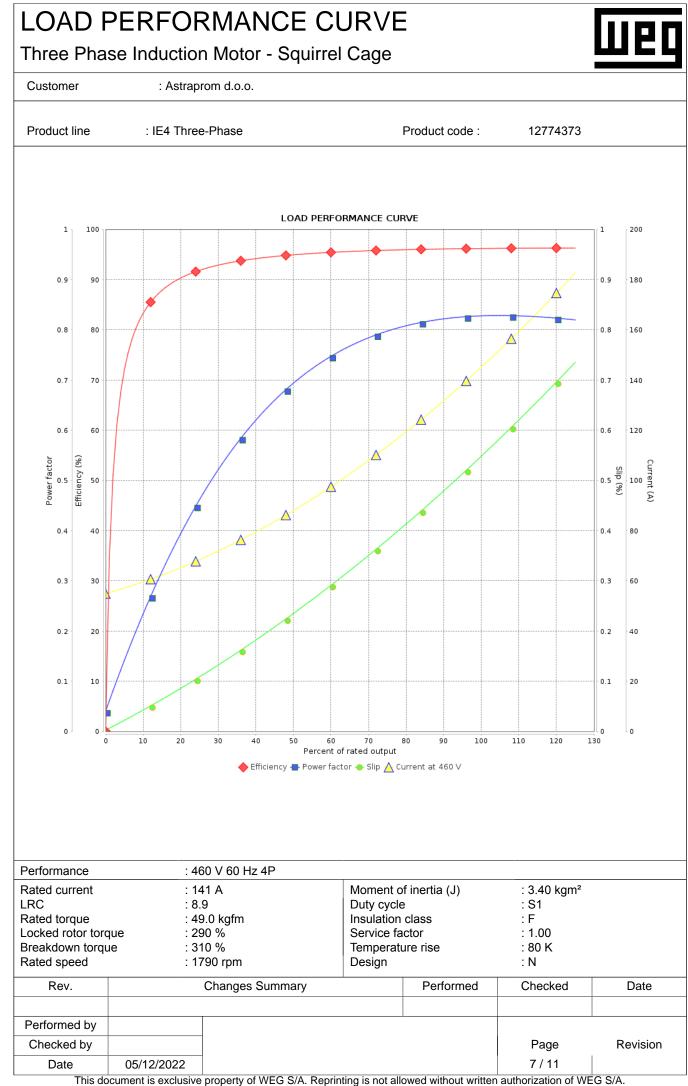


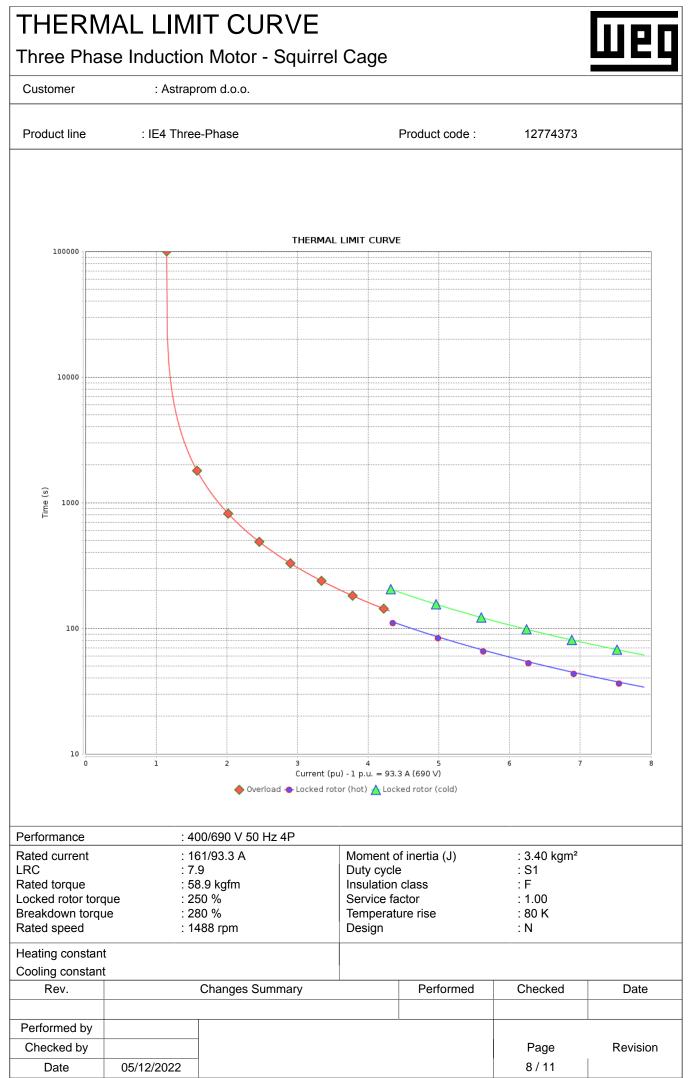
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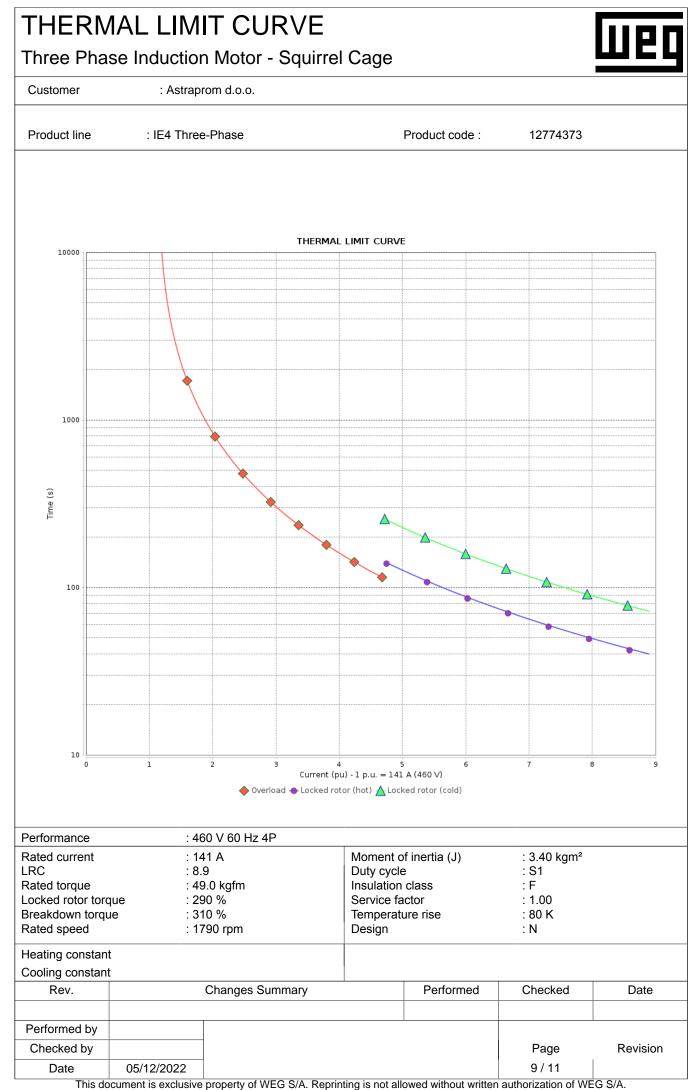


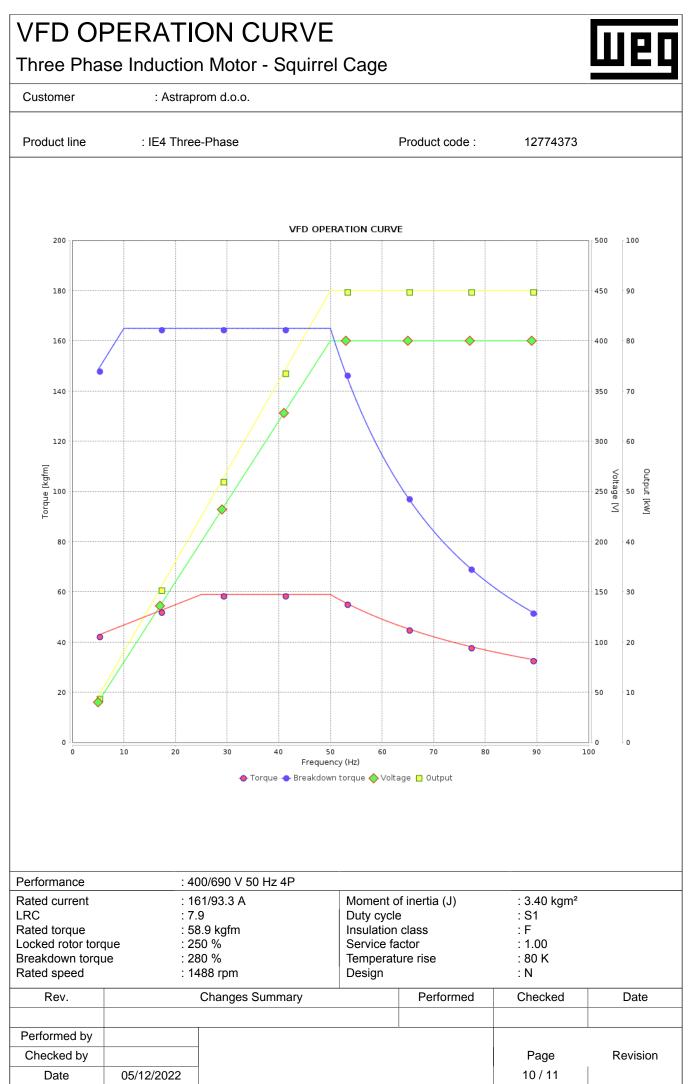
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