## DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer : Astraprom d.o.o.

Frame		nounting IE	E3 Three-Pha	se	Prod	uct code :	13749	673	
Frame Insulation class Duty cycle Ambient temperature Altitude Protection degree Design		: L80 : F : S1 : -20°C to +40°C : 1000 m.a.s.l. : IP55 : N			Cooling meth Mounting Rotation <sup>1</sup> Starting meth Approx. weig Moment of in	nod Jht³	: IC411 - TEFC : B5T : Both (CW and CCW) : Direct On Line : 14.6 kg : 0.0034 kgm²		
Output [kW]		0.55			0.55	0.	.55	0.55	
Poles		6		6		6		6	
Frequency [Hz]		50		50		5	50	60	
Rated voltage [V]		220/380		230/400		240/415		460	
Rated current [A]		2.56/1.48		2.59/1.49		2.63/1.52		1.35	
L. R. Amperes [A]		13.0/7.55		13.2/7.60		13.7/7.90		8.24	
LRC [A]		5.1		5.1		5.2		6.1	
No load current [A]		1.82/1.06		2.06/1.19		2.26/1.31 950		1.08 1155	
Rated speed [RPM Slip [%]	u]	940		945 5.50			.00	3.75	
Slip [%] Rated torque [kgfm	กไ	6.00 0.570		5.50 0.567			.00 564	0.464	
Locked rotor torque		260			290		20	350	
Breakdown torque		260			310		40	390	
Service factor	[/0]	1.00			1.00		.00	1.00	
Temperature rise		80 K			80 K		00 0 K	80 K	
_ocked rotor time		36s (cold) 20s (hot)		36s (cold) 20s (hot)			) 20s (hot)	36s (cold) 20s (hot)	
Noise level <sup>2</sup>			) dB(A)		3.0 dB(A)		dB(A)	47.0 dB(A)	
-	25%						(-)		
	50%	7	'3.4	70.5		67.9		71.9	
Efficiency (%)	75%		6.7		75.2		5.0	77.0	
-	100%	7	7.2		77.2	7	7.2	80.0	
Power Factor	25%								
	50%	0.49		0.45		0.42		0.42	
	75%	0.63			0.58	0.55		0.54	
	100%	(	).73		0.69	0.	.65	0.64	
			ood:torquo) ii	n percer	ntage of rated of	output power			
Losses at normati									
Losses at normati	P1 (0,	9;1,0)	28.5		28.5		28.5	24.1	
Losses at normati	P1 (0, P2 (0,	9;1,0) 5;1,0)	28.5 25.7		28.5 25.7		28.5 25.7	21.8	
	P1 (0, P2 (0, P3 (0,	9;1,0) 5;1,0) 25;1,0)	28.5 25.7 25.9		28.5 25.7 25.9		28.5 25.7 25.9	21.8 22.0	
Losses at normati	P1 (0 P2 (0 P3 (0,2 P4 (0	9;1,0) 5;1,0) 25;1,0) 9;0,5)	28.5 25.7 25.9 17.2		28.5 25.7 25.9 17.2		28.5 25.7 25.9 17.2	21.8 22.0 14.5	
	P1 (0, P2 (0, P3 (0, P4 (0, P5 (0,	9;1,0) 5;1,0) 25;1,0) 9;0,5) 5;0,5)	28.5 25.7 25.9 17.2 13.1		28.5 25.7 25.9 17.2 13.1		28.5 25.7 25.9 17.2 13.1	21.8 22.0 14.5 11.1	
	P1 (0, P2 (0, P3 (0, P4 (0, P5 (0, P6 (0,	9;1,0) 5;1,0) 25;1,0) 9;0,5) 5;0,5) 5;0,25)	28.5 25.7 25.9 17.2 13.1 10.9		28.5 25.7 25.9 17.2 13.1 10.9		28.5 25.7 25.9 17.2 13.1 10.9	21.8 22.0 14.5 11.1 9.3	
Losses at normati	P1 (0, P2 (0, P3 (0, P4 (0, P5 (0, P6 (0,	9;1,0) 5;1,0) 25;1,0) 9;0,5) 5;0,5) 5;0,25) 5;0,25) 5;0,25)	28.5 25.7 25.9 17.2 13.1 10.9 8.2		28.5 25.7 25.9 17.2 13.1 10.9 8.2		28.5 25.7 25.9 17.2 13.1	21.8 22.0 14.5 11.1	
	P1 (0, P2 (0, P3 (0,, P4 (0, P5 (0, P6 (0,, P7 (0,2	9;1,0) 5;1,0) 25;1,0) 9;0,5) 5;0,5) 5;0,25)	28.5 25.7 25.9 17.2 13.1 10.9 8.2 end Non dri ZZ 620	ive end )3 ZZ Seal -	28.5 25.7 25.9 17.2 13.1 10.9		28.5 25.7 25.9 17.2 13.1 10.9	21.8 22.0 14.5 11.1 9.3 6.9	
Losses (%) Bearing type Sealing Lubrication interv	P1 (0, P2 (0, P3 (0,, P4 (0, P5 (0, P6 (0,, P7 (0,2	9;1,0) 5;1,0) 25;1,0) 9;0,5) 5;0,5) 5;0,25) 5;0,25) <u>Drive e</u> : 6204 : Oil S : -	28.5 25.7 25.9 17.2 13.1 10.9 8.2 end Non dri ZZ 620	ive end 03 ZZ Seal - -	28.5 25.7 25.9 17.2 13.1 10.9 8.2 Foundation lo Max. traction		28.5 25.7 25.9 17.2 13.1 10.9 8.2 : 50 kg	21.8 22.0 14.5 11.1 9.3 6.9	
Losses (%) Bearing type Sealing Lubrication interv Lubricant amount	P1 (0, P2 (0, P3 (0,; P4 (0, P5 (0, P6 (0,; P7 (0,2) val t aces and can d. otor from the m and with to veight subjectocess.	9;1,0) 5;1,0) 25;1,0) 9;0,5) 5;0,5) 5;0,25) 5;0,25) Drive e : 6204 : 0il S : - : M cel the pre shaft end. blerance of	28.5 25.7 25.9 17.2 13.1 10.9 8.2 end Non dri ZZ 620 seal Oil obil Polyrex E	ive end 03 ZZ Seal - - :	28.5 25.7 25.9 17.2 13.1 10.9 8.2 Foundation lo Max. traction Max. compres	ssion erage values	28.5 25.7 25.9 17.2 13.1 10.9 8.2 : 50 kg : 65 kg	21.8 22.0 14.5 11.1 9.3 6.9	
Losses (%) Bearing type Sealing Lubrication interv Lubricant amoun Lubricant amoun Lubricant type This revision repla must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate w manufacturing pro	P1 (0, P2 (0, P3 (0,; P4 (0, P5 (0, P6 (0,; P7 (0,2) val t aces and can d. otor from the m and with to veight subjectocess.	9;1,0) 5;1,0) 25;1,0) 9;0,5) 5;0,5) 5;0,25) 5;0,25) 0 0 0 0 0 0 0 0 0 0 0 0 0	28.5 25.7 25.9 17.2 13.1 10.9 8.2 end Non dri ZZ 620 seal Oil obil Polyrex E	ive end 03 ZZ Seal - - :M	28.5 25.7 25.9 17.2 13.1 10.9 8.2 Foundation lo Max. traction Max. compress These are ave power supply, 60034-1.	ssion erage values	28.5 25.7 25.9 17.2 13.1 10.9 8.2 : 50 kg : 65 kg	21.8 22.0 14.5 11.1 9.3 6.9 f f	
Losses (%) Bearing type Sealing Lubrication interv Lubricant amount Lubricant type This revision repla must be eliminate (1) Looking the mu (2) Measured at 1 (3) Approximate w manufacturing pro (4) At 100% of full	P1 (0, P2 (0, P3 (0,; P4 (0, P5 (0, P6 (0,; P7 (0,2) val t aces and can d. otor from the m and with to veight subjectocess.	9;1,0) 5;1,0) 25;1,0) 9;0,5) 5;0,5) 5;0,25) 5;0,25) 0 0 0 0 0 0 0 0 0 0 0 0 0	28.5 25.7 25.9 17.2 13.1 10.9 8.2 end Non dri ZZ 620 Seal Oil obil Polyrex E evious one, wh	ive end 03 ZZ Seal - - :M	28.5 25.7 25.9 17.2 13.1 10.9 8.2 Foundation lo Max. traction Max. compress These are ave power supply, 60034-1.	erage values , subject to th	28.5 25.7 25.9 17.2 13.1 10.9 8.2 : 50 kg : 65 kg	21.8 22.0 14.5 11.1 9.3 6.9 f f	
Losses (%) Bearing type Sealing Lubrication interv Lubricant amoun Lubricant amoun Lubricant type This revision repla must be eliminate (1) Looking the mi (2) Measured at 1 (3) Approximate w manufacturing pro (4) At 100% of full Rev.	P1 (0, P2 (0, P3 (0,; P4 (0, P5 (0, P6 (0,; P7 (0,2) val t aces and can d. otor from the m and with to veight subjectocess.	9;1,0) 5;1,0) 25;1,0) 9;0,5) 5;0,5) 5;0,25) 5;0,25) 0 0 0 0 0 0 0 0 0 0 0 0 0	28.5 25.7 25.9 17.2 13.1 10.9 8.2 end Non dri ZZ 620 Seal Oil obil Polyrex E evious one, wh	ive end 03 ZZ Seal - - :M	28.5 25.7 25.9 17.2 13.1 10.9 8.2 Foundation lo Max. traction Max. compress These are ave power supply, 60034-1.	erage values , subject to th	28.5 25.7 25.9 17.2 13.1 10.9 8.2 : 50 kg : 65 kg	21.8 22.0 14.5 11.1 9.3 6.9 f f ests with sinusoidal s stipulated in IEC	

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Customer

: Astraprom d.o.o.

Notes

Rev. Changes Summary Performed Checked Date Performed by Checked by Page Revision 11/10/2023 2/19 Date



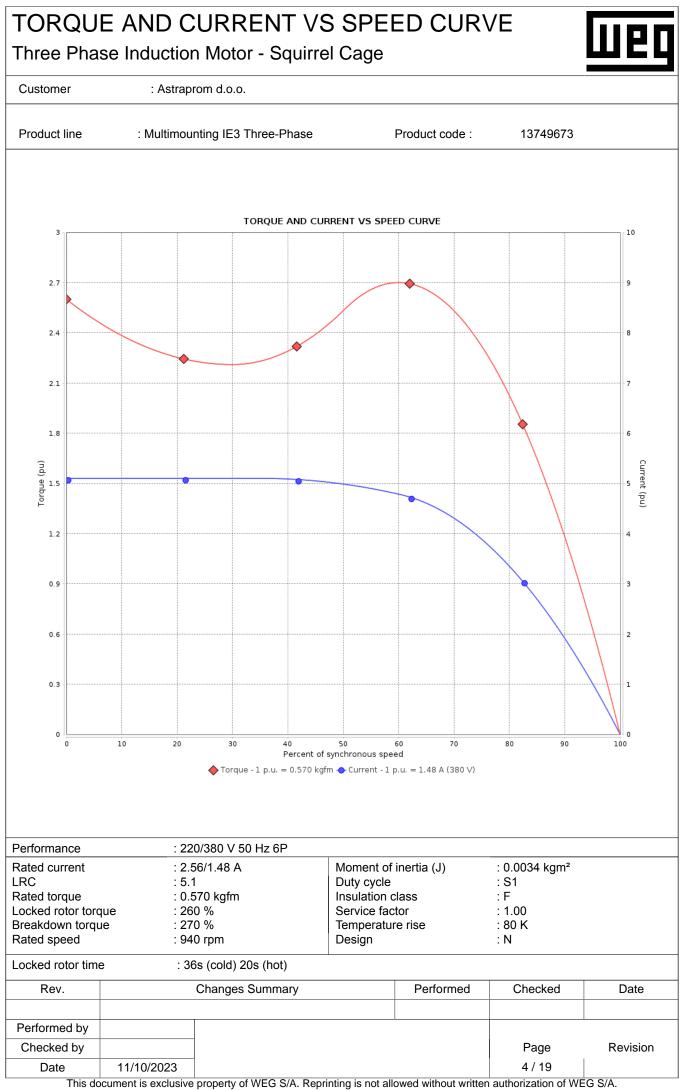
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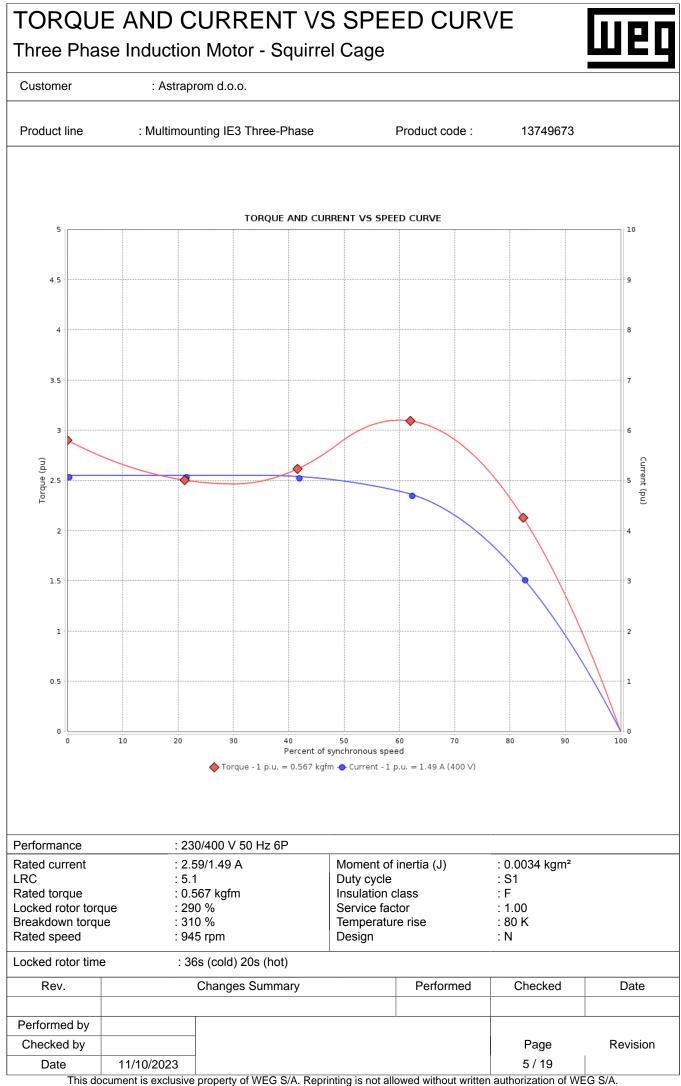
Three Phase Induction Motor - Squirrel Cage

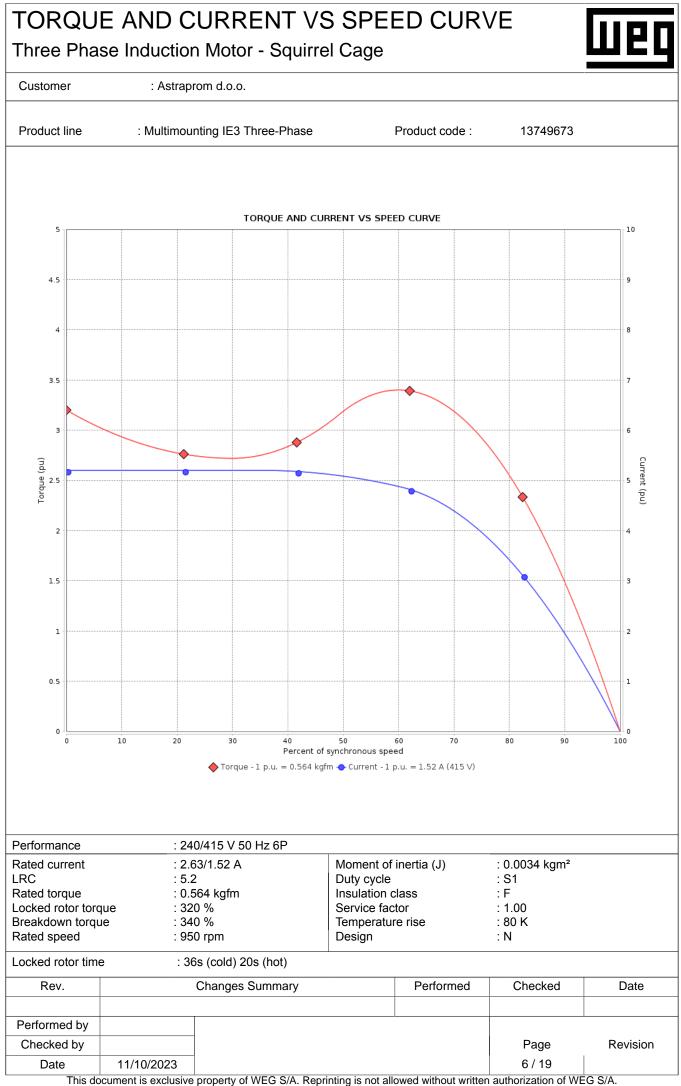


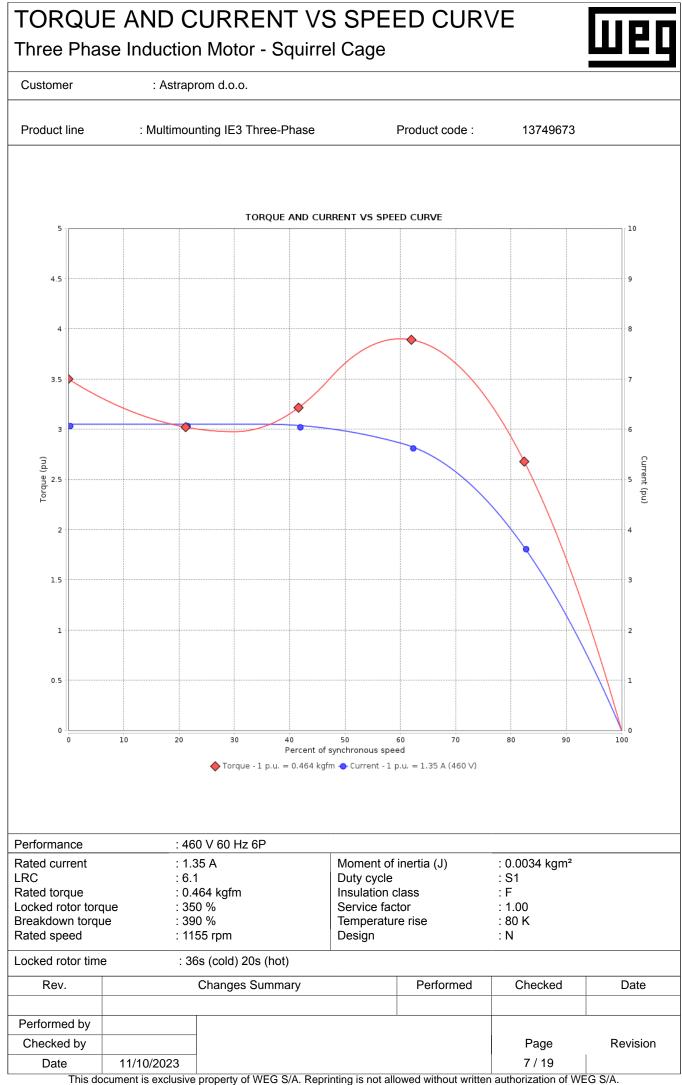
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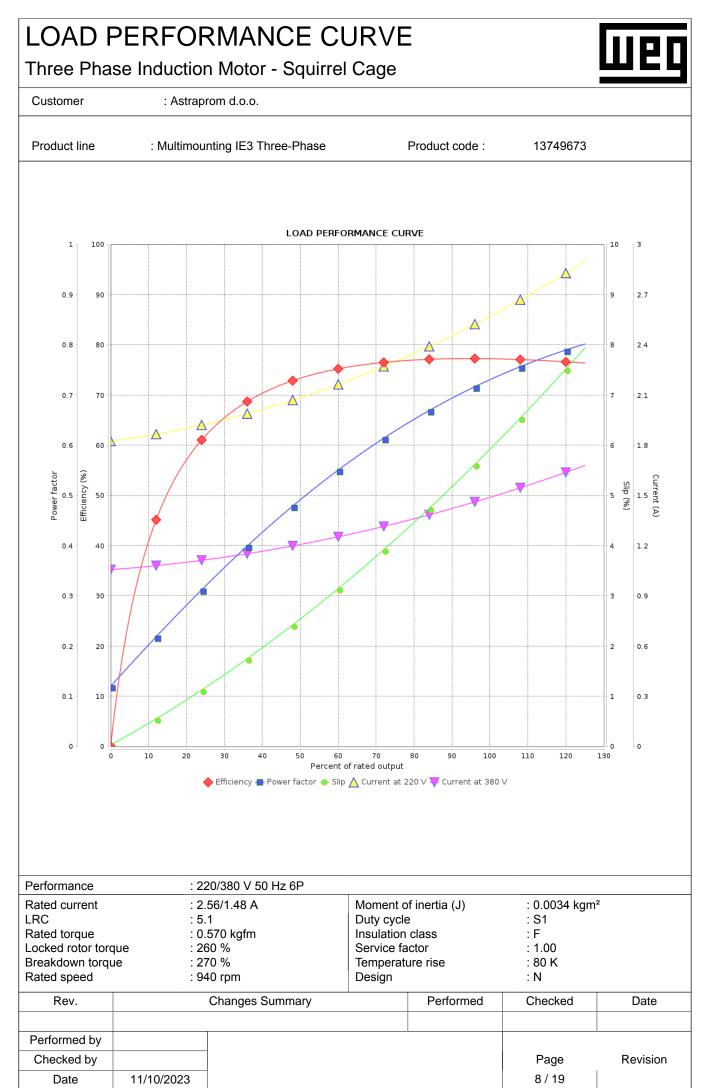
ID	Application	Туре	Quantity	Sensing Temperature	
1	Winding	Thermistor - 2 wires	1 x Phase		55 °C
Rev.	Chan	ges Summary	Performed	Checked	Date
	Unany			Chooked	Duio
Performed by					<u> </u>
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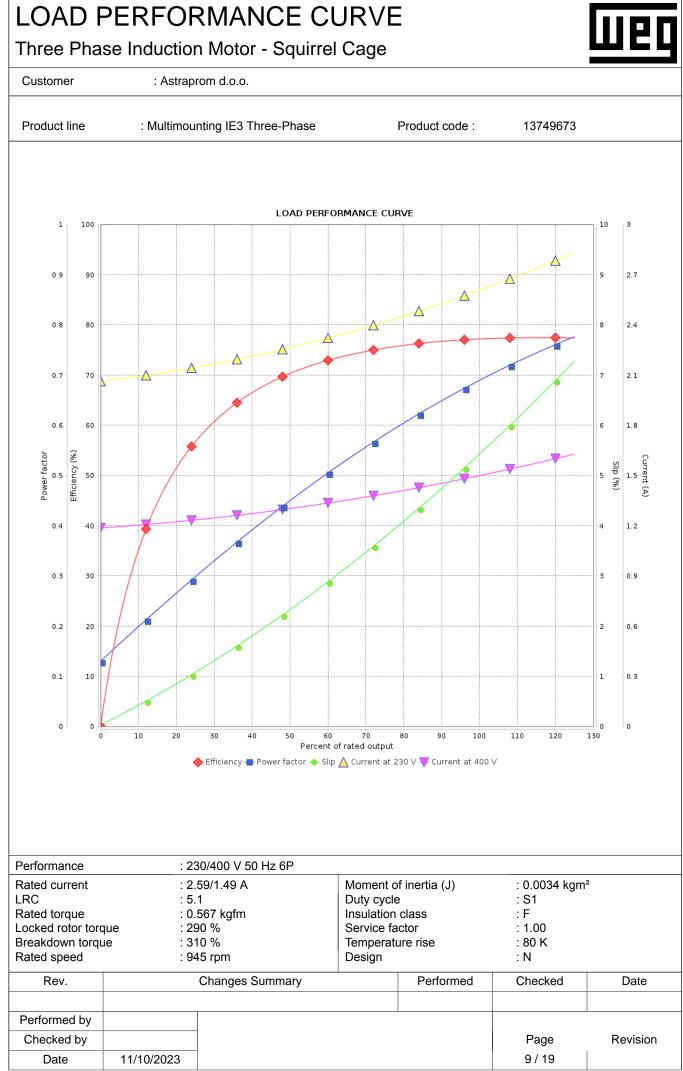


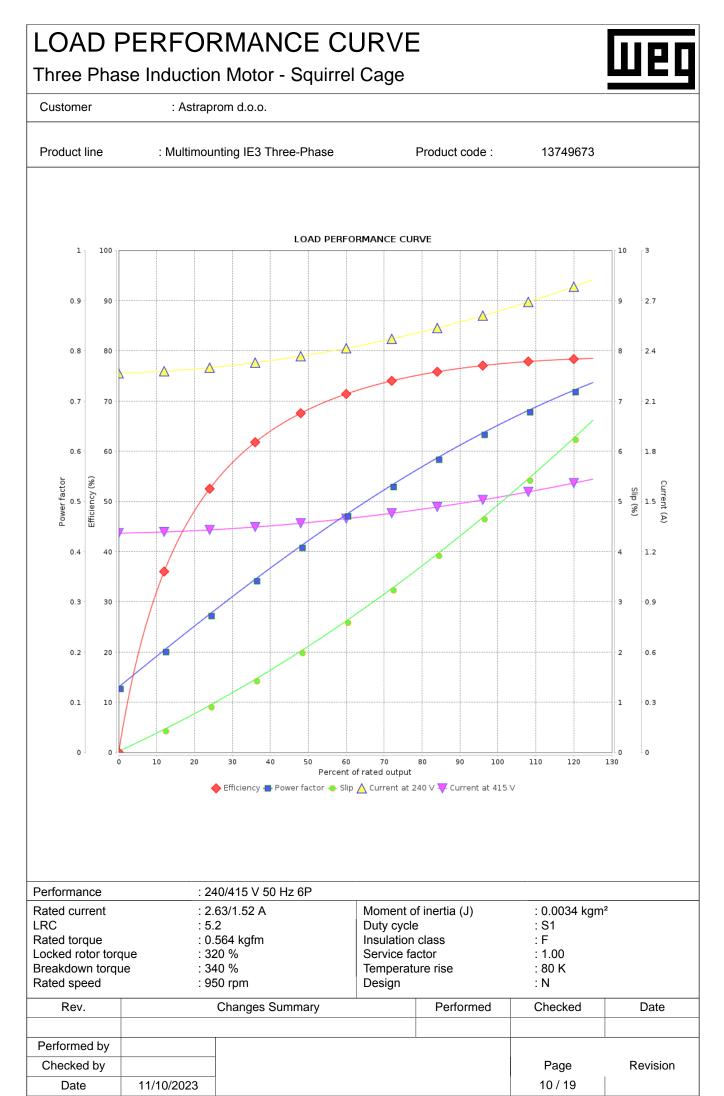


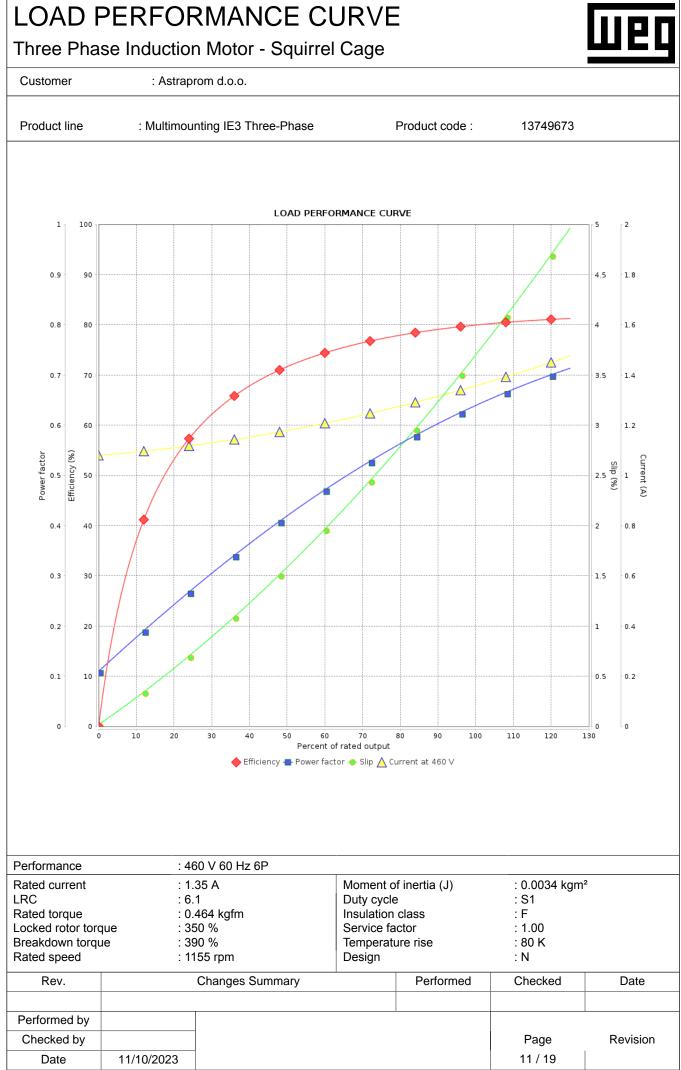


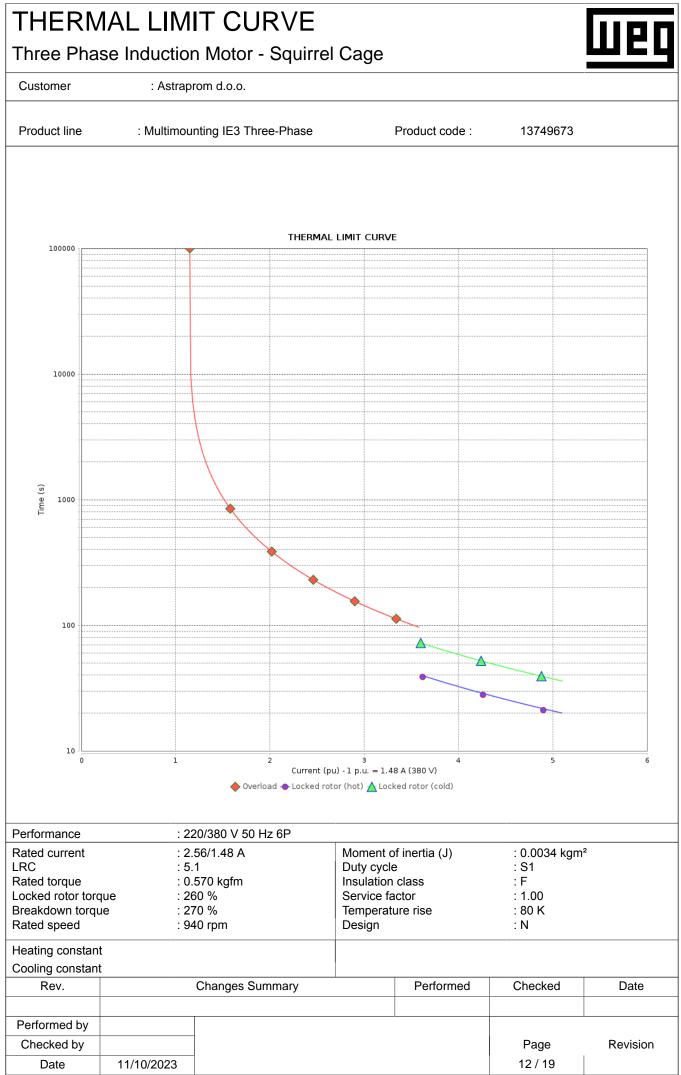


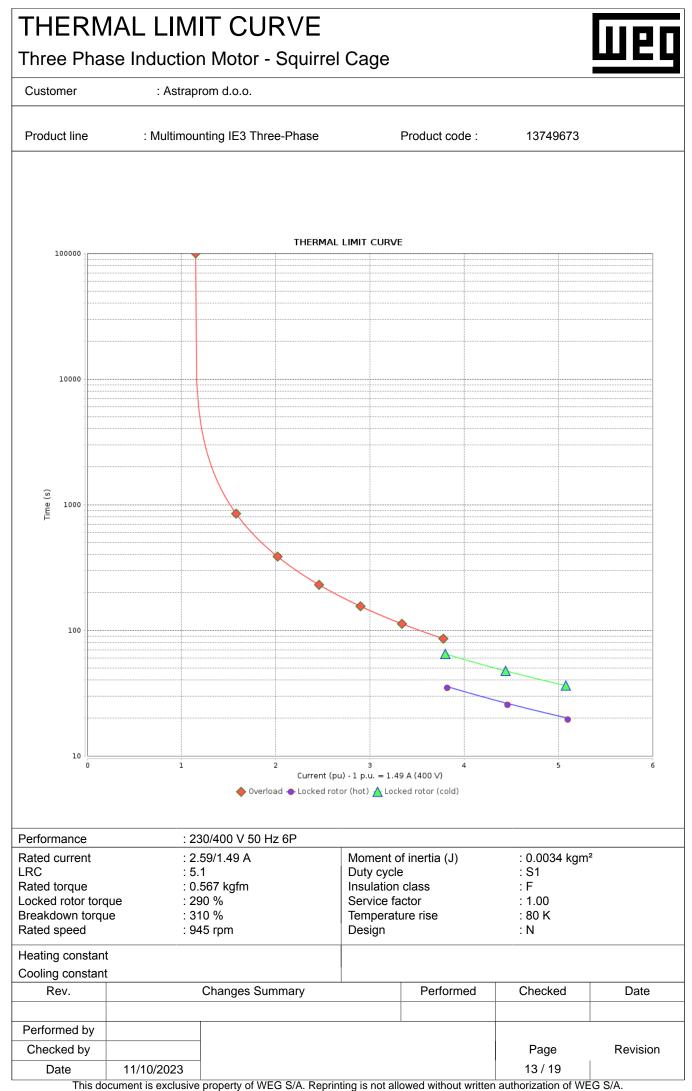


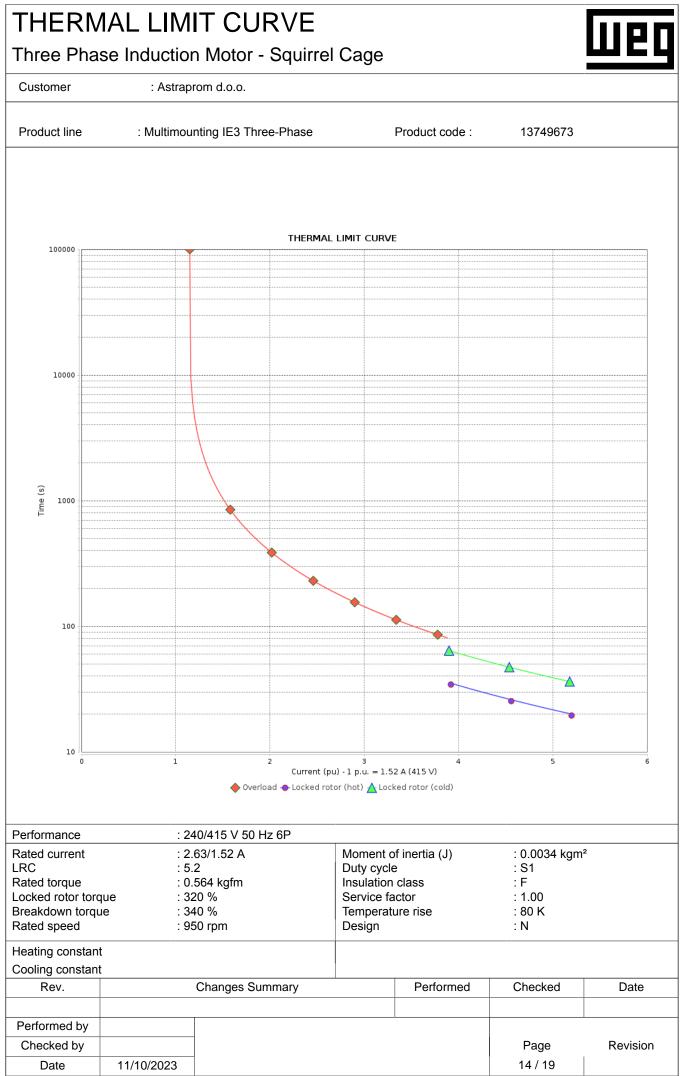


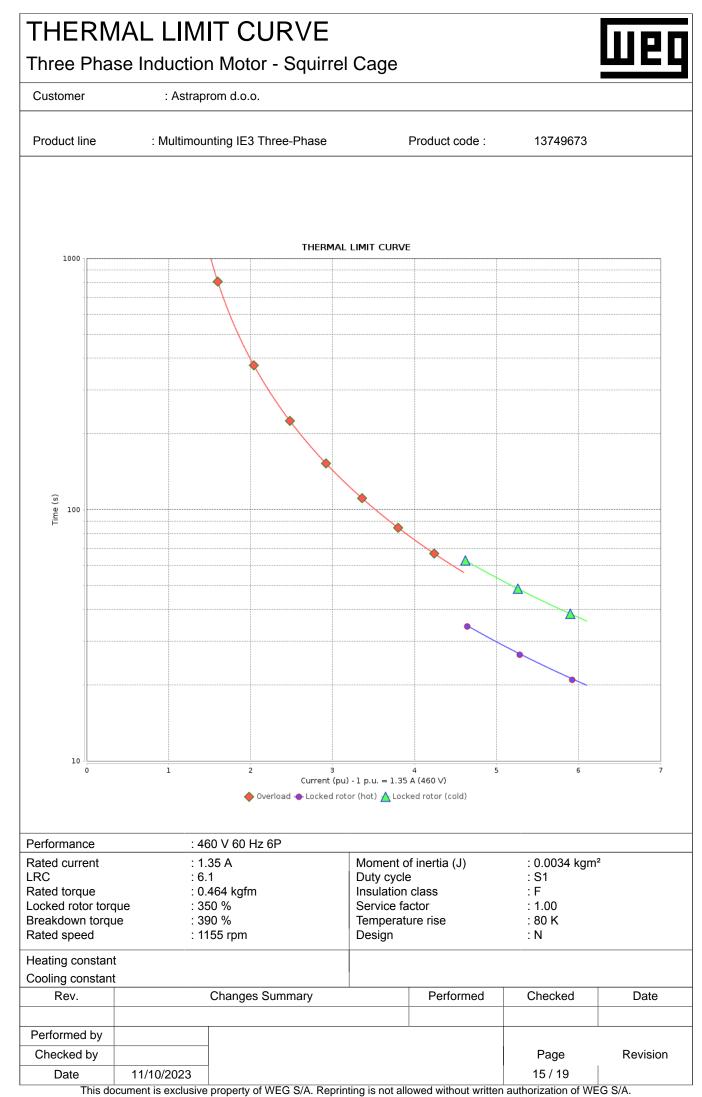












Subject to change without notice

