DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer : Astraprom d.o.o.

Product line	: VV22	: W22			Product code :			12862395		
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)			: IC411 - TEFC : B3T : Both (CW and CCW) : Direct On Line : 180 kg : 0.0968 kgm ²			
Output [kW]		22			22		22		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		1	15.0/8.70		17.0		14.5	
Rated speed [RPN	/]	2955			2960		2965		3565	
Slip [%]	-	1.50			1.33		1.17		0.97	
Rated torque [kgfn		7.25			7.24		7.23		6.85	
Locked rotor torqu		290			320		340		380	
Breakdown torque	[%]	290			320		340		370	
Service factor		1.00			1.00		1.00		1.25 80 K	
Temperature rise		80 K		16- (80 K		80 K	hot)		
Locked rotor time		16s (cold) 9s (hot) 67.0 dB(A)			67.0 dB(A)		16s (cold) 9s (hot)		16s (cold) 9s (hot) 72.0 dB(A)	
Noise level ² Efficiency (%)	25%	07.0 dB(A) 0.000		0	0.000 0.000		67.0 dB(A) 0.000		0.000	
	50%	92.2		92.0			91.5		91.6	
	75%	92.2 92.7			92.0		92.5		92.2	
	100%		92.7		92.7		92.5		92.4	
	25%	0.00			0.00		0.00		0.00	
D - <i>i</i>	50%		0.74 0.83 0.87		0.69		0.66		0.68	
Power Factor	75%				0.80		0.78		0.79	
	100%				0.86		0.84		0.84	
Losses at normat	ive operating	nointe (en	eed:torque) i	n nercer	ntage of rate		nower	I		
		ng points (speed;torque), ii (0,9;1,0) 7.6		, hercel	7.6		7.6		7.9	
		0,5;1,0) 7.0			6.3		6.3		6.6	
		P3 (0,25;1,0)			5.7		5.7		6.0	
Losses (%)		P4 (0,9;0,5)		5.7 3.7		7	3.7		3.9	
· · ·		(0,5;0,5)			2.4		2.4		2.5	
	P6 (0,		1.5		1.5		1.5		1.6	
			10						1.0	
	P7 (0,2	5;0,25)	1.0		1.()	1.0		1.1	
Bearing type Sealing Lubrication interv Lubricant amoun Lubricant type	/al	Drive 0 6311 Z V'R 0 0	end <u>Non dri</u> ZZ C3 6211 ing V'l h (ZZ C3 Ring) h) g	1.0 Foundatio Max. tract Max. com	n loads ion		: 228 kgf : 408 kgf		
Sealing Lubrication interv Lubricant amoun	val t aces and can ed. otor from the m and with to veight subjec pocess.	Drive 0 6311 2 V'R 0	end <u>Non dri</u> ZZ C3 6211 ing V'l h (g (lobil Polyrex E evious one, wh	ZZ C3 Ring) h) g :M	Foundatio Max. tract Max. com These are	n loads ion pression	values base	: 228 kgf : 408 kgf d on tests		
Sealing Lubrication interv Lubricant amoun Lubricant type This revision repla must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v manufacturing pro	val t aces and can ed. otor from the m and with to veight subjec pocess.	Drive of Control of the pre- cel the pre- shaft end. blerance of t to change	end <u>Non dri</u> ZZ C3 6211 ing V'l h (g (lobil Polyrex E evious one, wh	ZZ C3 Ring) h) g :M	Foundatio Max. tract Max. com These are power sup	n loads ion pression	values base	: 228 kgf : 408 kgf d on tests	1.1 s with sinusoidal	
Sealing Lubrication interv Lubricant amoun Lubricant type This revision repla must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v manufacturing pro (4) At 100% of ful	val t aces and can ed. otor from the m and with to veight subjec pocess.	Drive of Control of the pre- cel the pre- shaft end. blerance of t to change	end Non dri ZZ C3 6211 ing V'l h (g (lobil Polyrex E evious one, wh f +3dB(A). es after	ZZ C3 Ring) h) g :M	Foundatio Max. tract Max. com These are power sup	n loads ion pression average pply, subje	values base	228 kgf 408 kgf d on tests rances s	1.1 s with sinusoidal tipulated in IEC	
Sealing Lubrication interv Lubricant amoun Lubricant type This revision repla must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v manufacturing pro (4) At 100% of ful Rev.	val t aces and can ed. otor from the m and with to veight subjec pocess.	Drive of Control of the pre- cel the pre- shaft end. blerance of t to change	end Non dri ZZ C3 6211 ing V'l h (g (lobil Polyrex E evious one, wh f +3dB(A). es after	ZZ C3 Ring) h) g :M	Foundatio Max. tract Max. com These are power sup	n loads ion pression average pply, subje	values base	228 kgf 408 kgf d on tests rances s	1.1 s with sinusoidal tipulated in IEC	

DATA SHEET

Three Phase Induction Motor - Squirrel Cage

Customer

: Astraprom d.o.o.

Notes

Rev. Changes Summary Performed Checked Date Performed by Checked by Page Revision 17/04/2023 2/19 Date

This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization of WEG S/A. Subject to change without notice



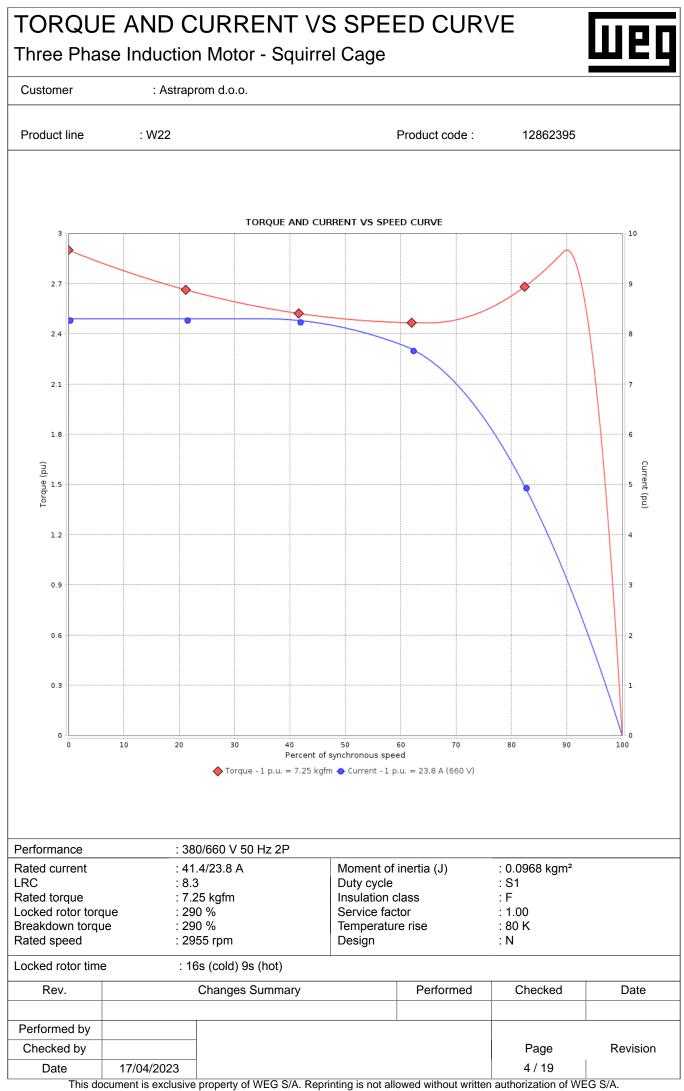
DATA SHEET

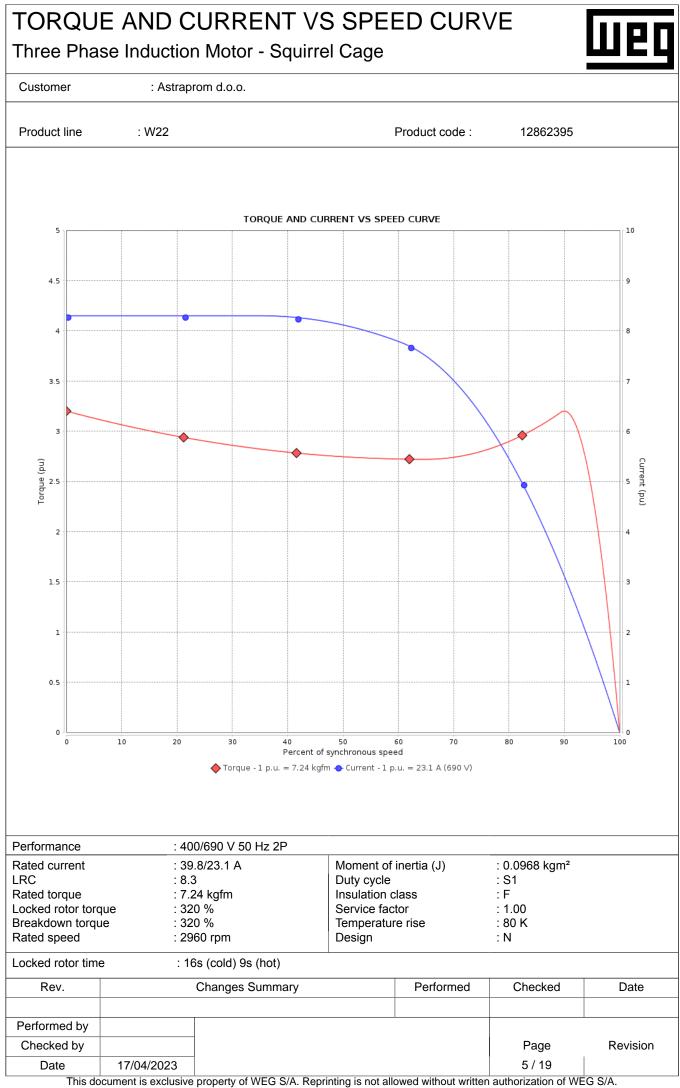
Three Phase Induction Motor - Squirrel Cage

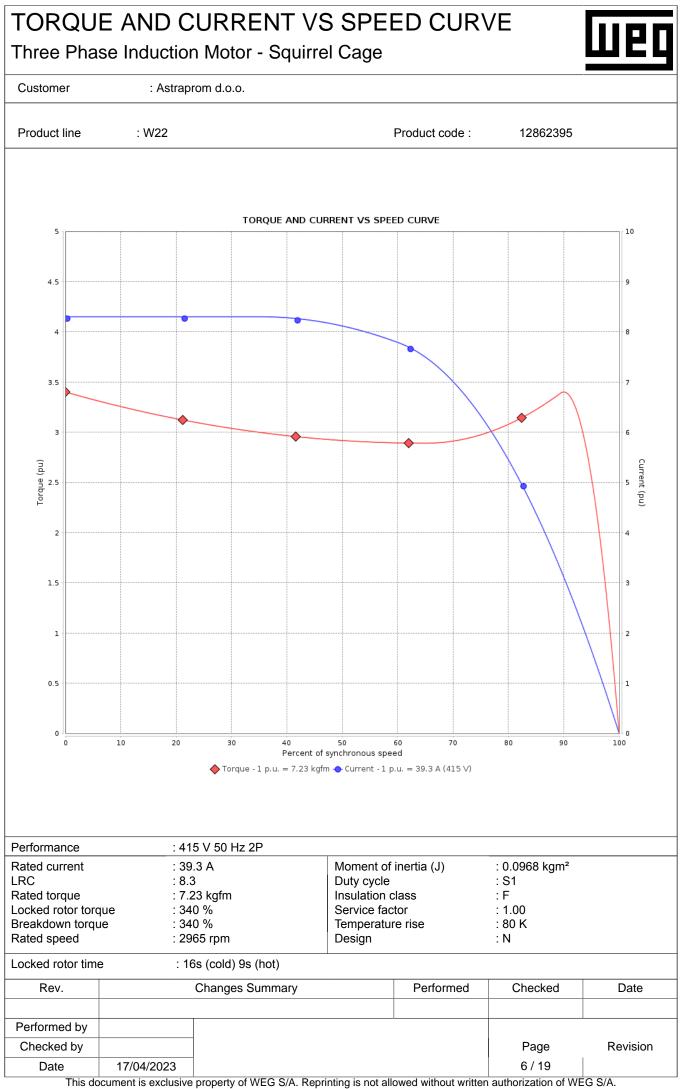


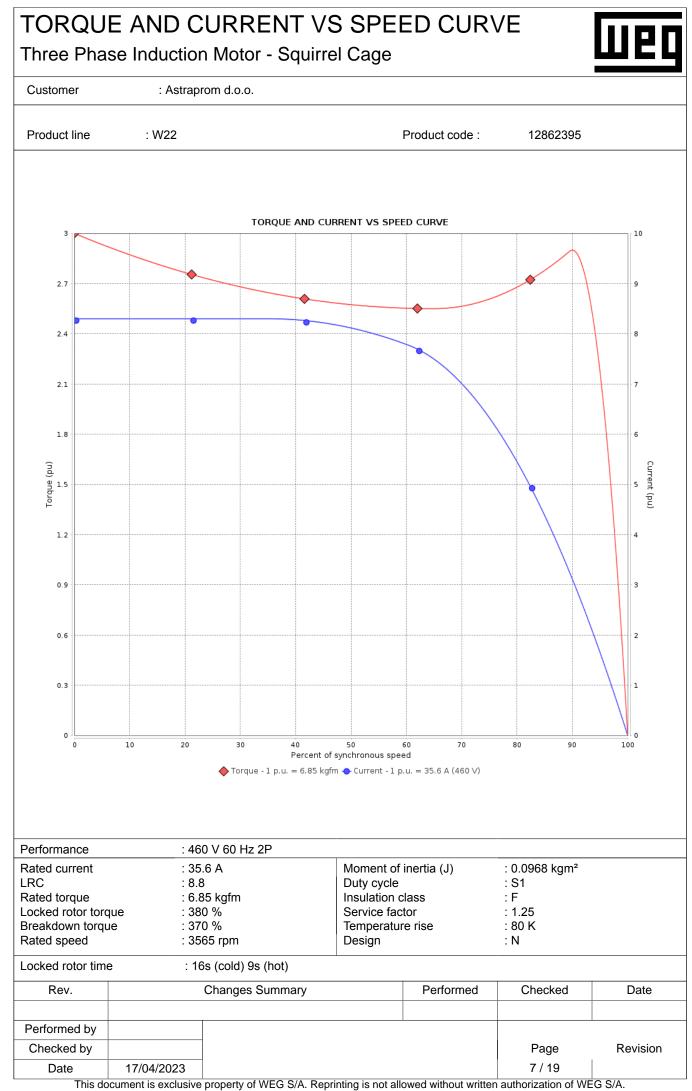
Customer : Astraprom d.o.o.

ID	Application	Туре	Quantity	Sensing Temperat	
1	Winding	Thermistor - 2 wires	1 x Phase		55 °C
		·			
Rev.	Chan	ges Summary	Performed	Checked	Date
	2.141	<u> </u>			
Performed by			1		1
Checked by				Page	Revision
Date	17/04/2023			3 / 19	1100101011



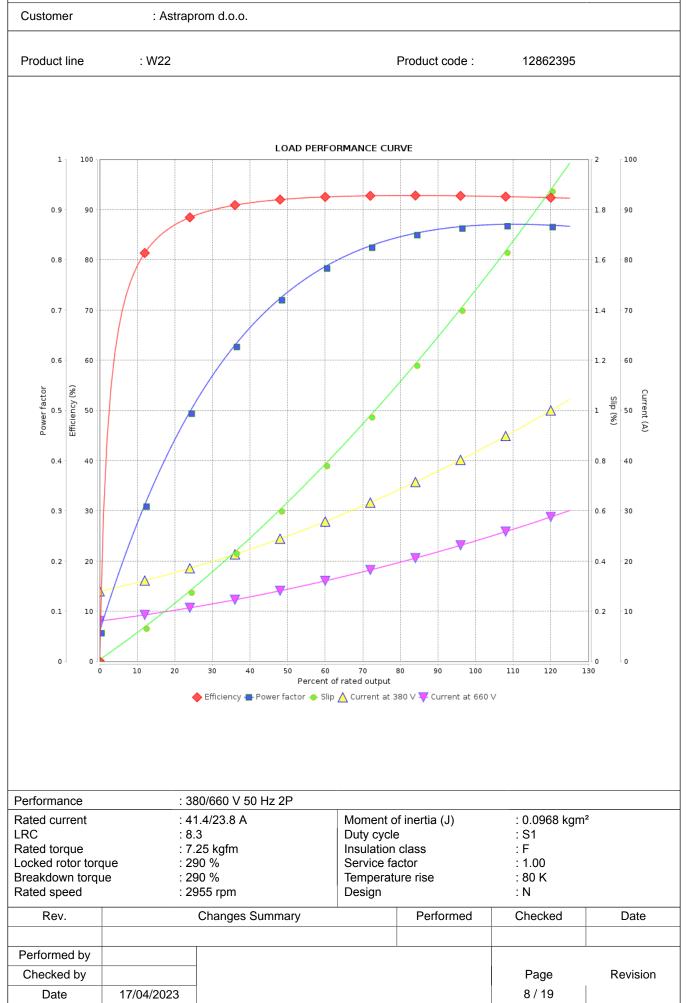




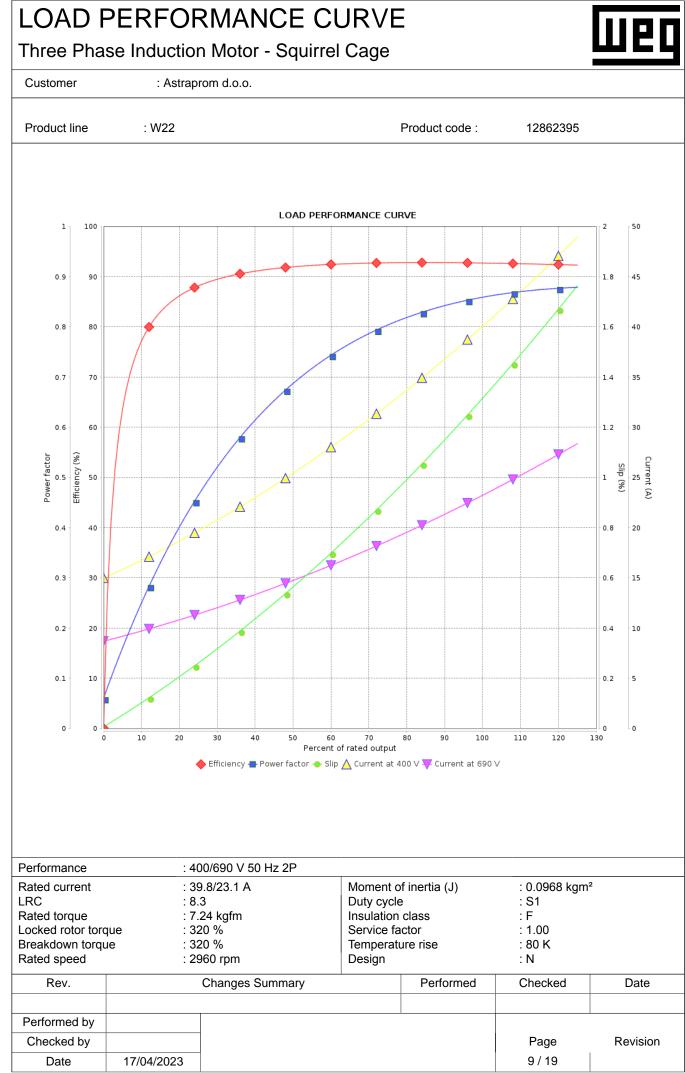


LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



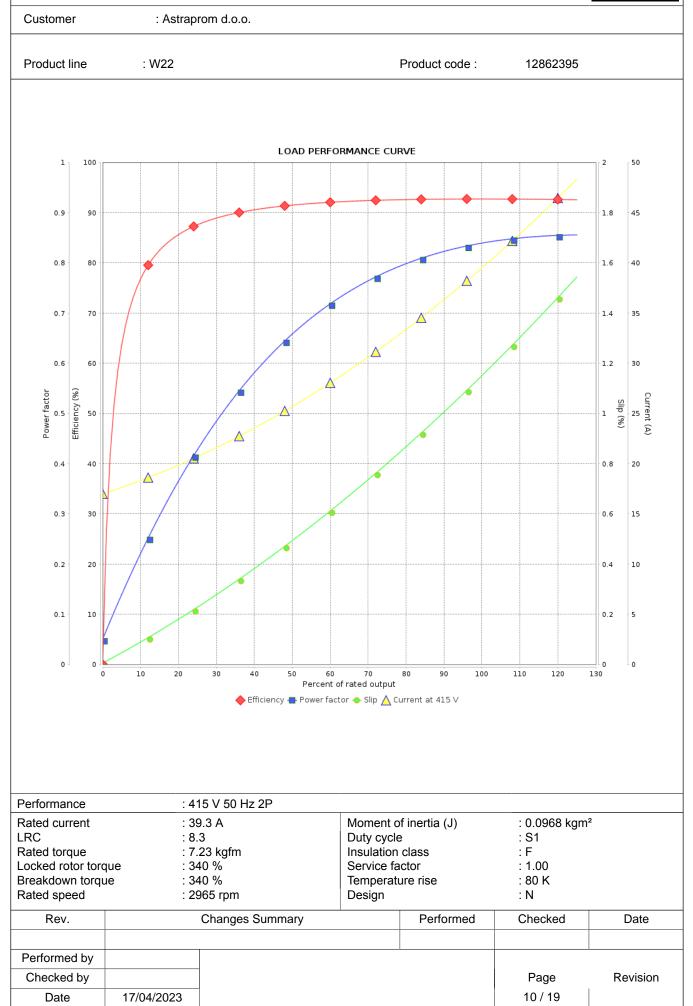
This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization of WEG S/A.



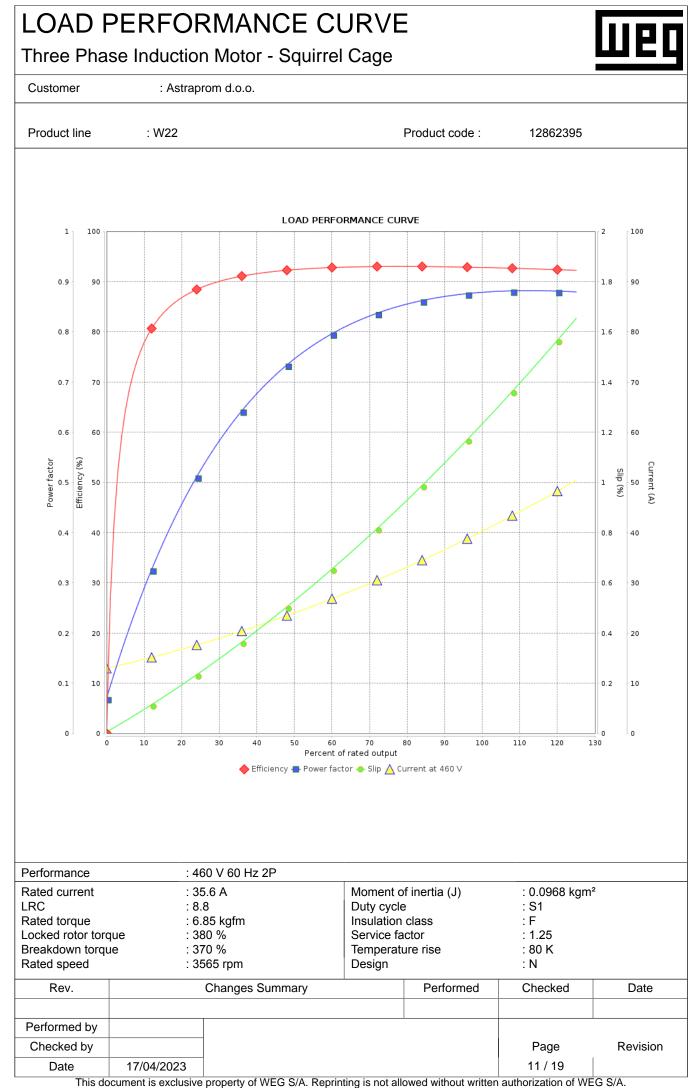
This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization of WEG S/A.

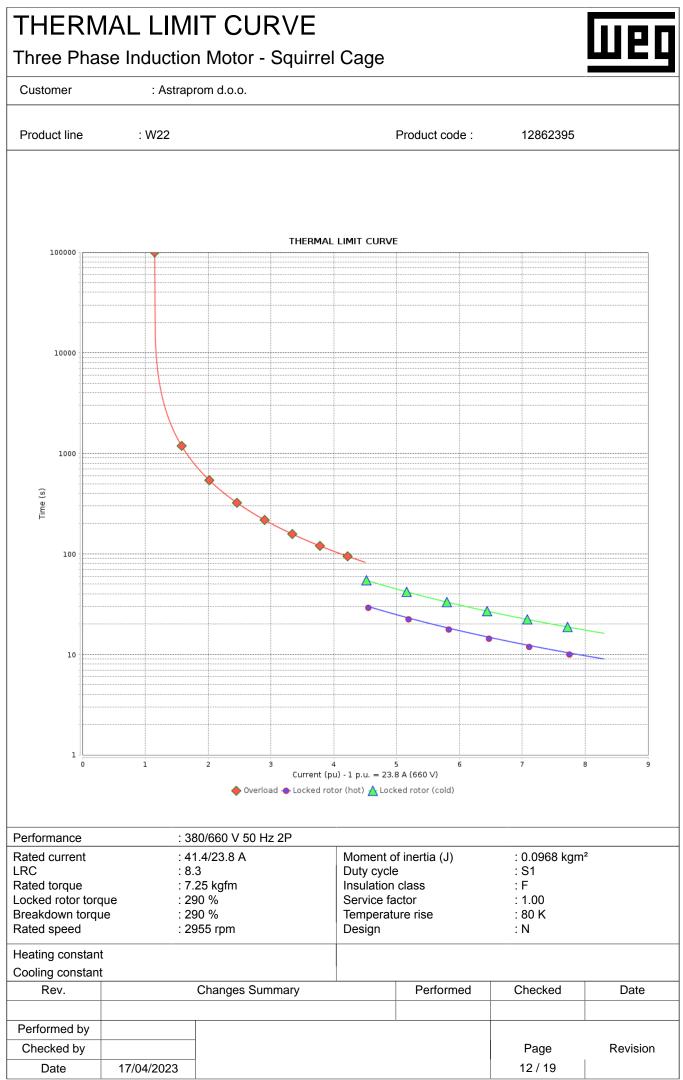
LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

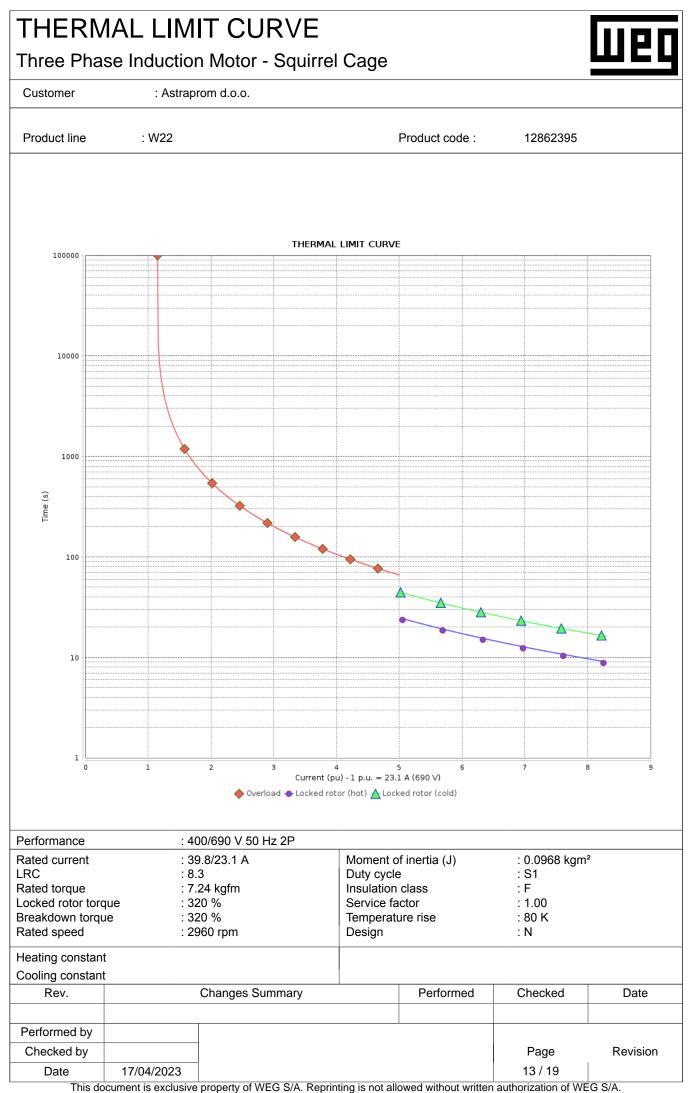


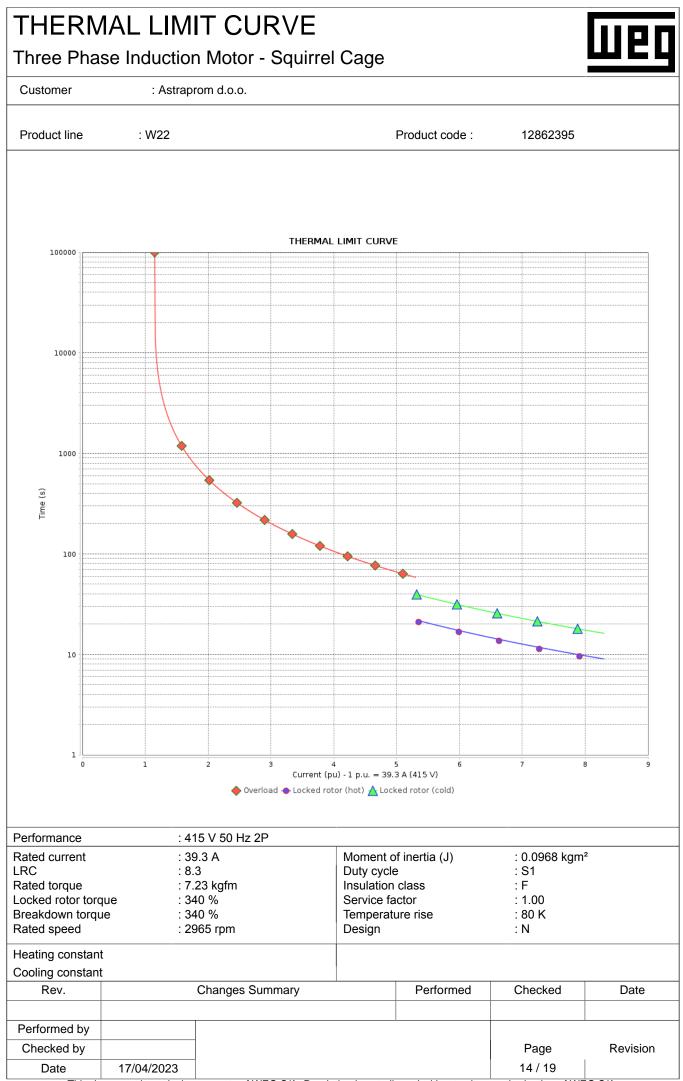
This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization of WEG S/A.



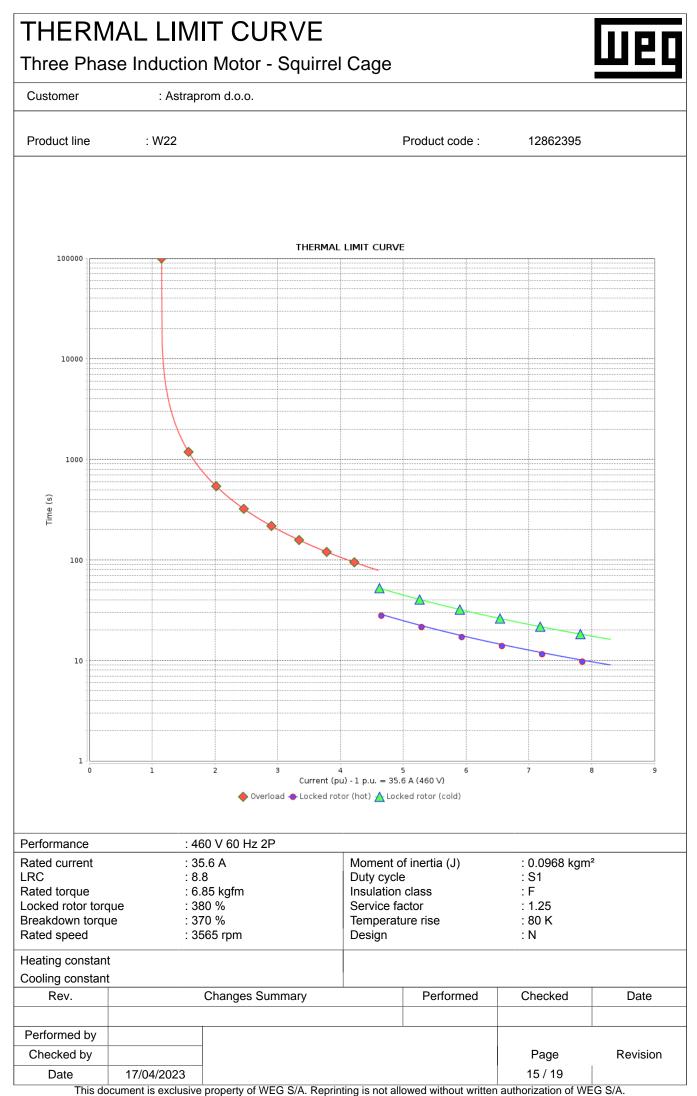


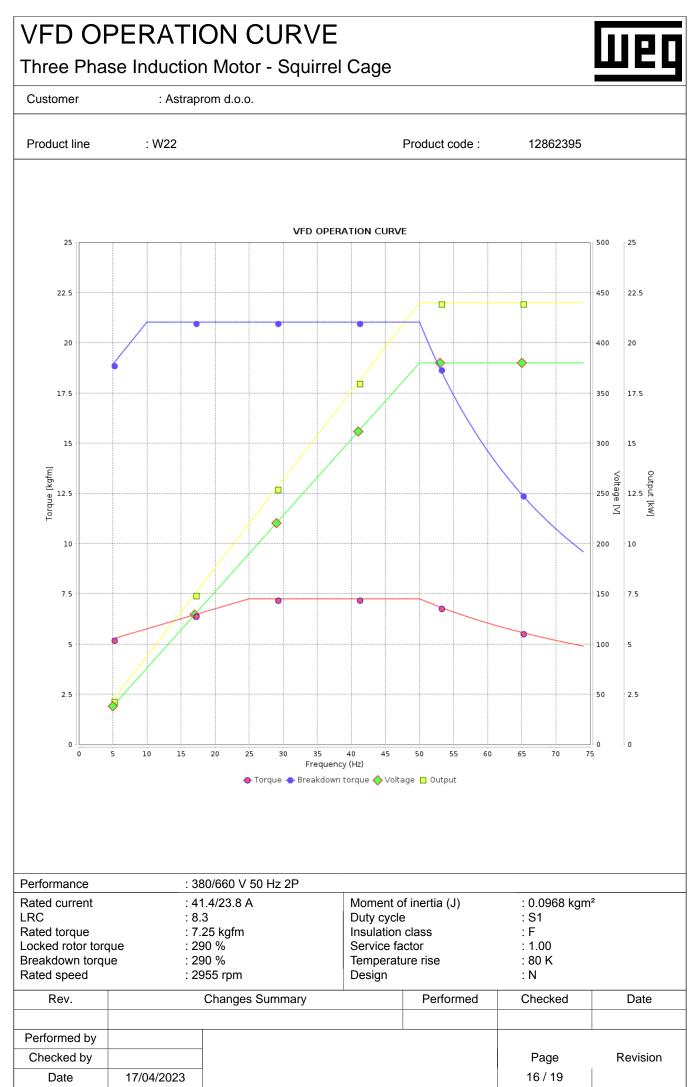
This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization of WEG S/A. Subject to change without notice



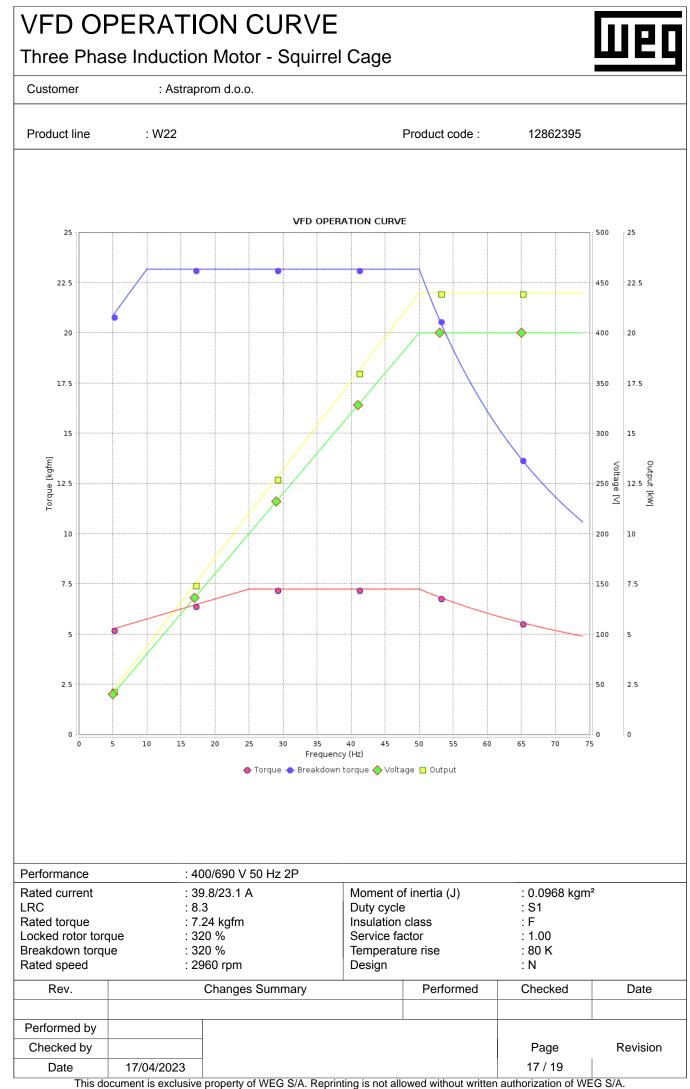


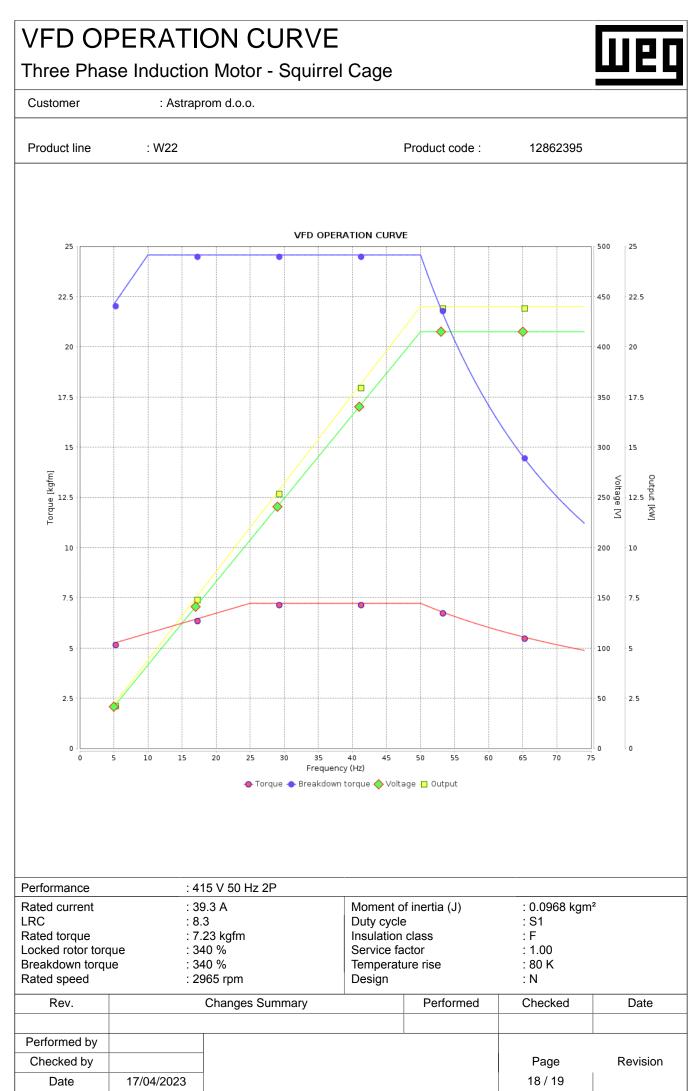
This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization of WEG S/A.





This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization of WEG S/A.





This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization of WEG S/A.

