DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer	: As	traprom d.o	0.0.							
Product line	: W22	IE3 Three-	Phase		I	Produ	ct code :	12868	3196	
Frame Insulation class Duty cycle Ambient tempera Altitude Protection degre		: 132M : F : S1 : -20°C t : 1000 m			Cooling Mounting Rotation Starting Approx. Moment	g ₁ 1 metho weigh	od t³	: B5T : Both : Dired : 82.9	ct On L	and CCW) Line
Design		: N								
Output [kW]			3		3			3		3
Poles			8		8			3		8
Frequency [Hz]		20	50		50			0		60
Rated voltage [V]			0/660		400/690			15		460
Rated current [A]			8/4.19		7.20/4.17			12		6.22
L. R. Amperes [A]			7/25.1		46.8/27.1			9.8		46.6
LRC [A]	.1		6.0		6.5			.0		7.5
No load current [A	-		0/2.30	4	4.50/2.61			80		4.20
Rated speed [RPI	VIJ		710		715			20		870
Slip [%]	1		5.33		4.67			00		3.33
Rated torque [kgfi			1.12		4.09			06		3.36
Locked rotor torqu			200		240			70		290
Breakdown torque	€ [%]		220		260			00		340
Service factor			1.00		1.00			00		1.00
Temperature rise			30 K		80 K			K		80 K
Locked rotor time			d) 21s (hot)		cold) 21s (h	not)) 21s (hot)		(cold) 21s (hot)
Noise level ²		48.0) dB(A)	4	8.0 dB(A)		48.0	dB(A)		52.0 dB(A)
	25%									
Efficiency (%)	50%		33.4		82.5			1.5		80.0
Lincicitoy (70)	75%		33.5		83.5			3.2		82.5
	100%	8	33.5		83.5		83	3.7		86.5
	25%									
Power Factor	50%	(0.56		0.51		0.4	48		0.49
Fower Factor	75%	0.68			0.64		0.	61		0.62
	100%	(0.75		0.72		0.	70		0.70
Losses at norma	tive operating	nointe (en	eed:torque) i	n narcai	ntage of ra	tod ou	itnut nower			
LUSSES at HUITIA		,9;1,0)	19.9	ii percei		9.9	itput power	19.6		15.7
			19.9			9.9		19.0		15.7
		,5;1,0)								
1 (0/)	, ,	25;1,0)	18.5			3.5		18.2		14.6
Losses (%)		,9;0,5)	8.6			.6		8.5		6.8
		,5;0,5)	7.0			.0		6.9		5.5
		5;0,25)	4.7			.7		4.6		3.7
	P7 (0,2	25;0,25)	3.8		-	.8		3.7		3.0
Bearing type Sealing Lubrication inter Lubricant amour		Drive (8 ZZ 620	rive end 07 ZZ Seal - -	Foundation Max. trace Max. con	tion		: 169 k : 252 k		
Lubricant type		: M	lobil Polyrex E	ΞM						
This revision repl must be eliminate (1) Looking the m (2) Measured at (3) Approximate manufacturing pr (4) At 100% of fu	ed. notor from the 1m and with t weight subjec ocess.	shaft end.	f +3dB(A).	nich		ipply, s		based on te ne tolerances		th sinusoidal lated in IEC
Rev.		Chang	ges Summary			Pe	rformed	Checke	ed	Date
D										

Performed by				
Checked by			Page	Revision
Date	13/10/2023		1 / 19	
This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization of WEG S/A.				

DATA SHEET

	П
ш	Ш

Three Pha	se Induction Motor - Squirrel Cage		ШЕЦ	
Customer	: Astraprom d.o.o.			
Notes				
Rev.	Changes Summary	Performed	Checked	Date
Performed by				
Checked by			Page	Revision

2/19

13/10/2023

Date

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer : Astraprom d.o.o.

Thermal protect	ction	
-----------------	-------	--

ID	Application	Туре	Quantity	Sensing Temperature
1	Winding	Thermistor - 2 wires	1 x Phase	155 °C

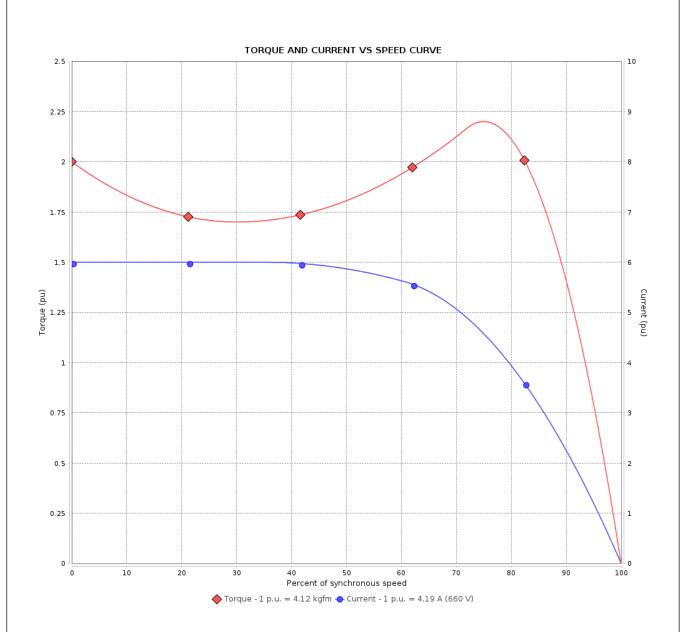
Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	13/10/2023			3 / 19	

Three Phase Induction Motor - Squirrel Cage



Customer : Astraprom d.o.o.

Product line : W22 IE3 Three-Phase Product code : 12868196



Performance	: 380/660 V 50 Hz 8P		
Rated current	: 7.28/4.19 A	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design	: 0.0838 kgm²
LRC	: 6.0		: S1
Rated torque	: 4.12 kgfm		: F
Locked rotor torque	: 200 %		: 1.00
Breakdown torque	: 220 %		: 80 K
Rated speed	: 710 rpm		: N

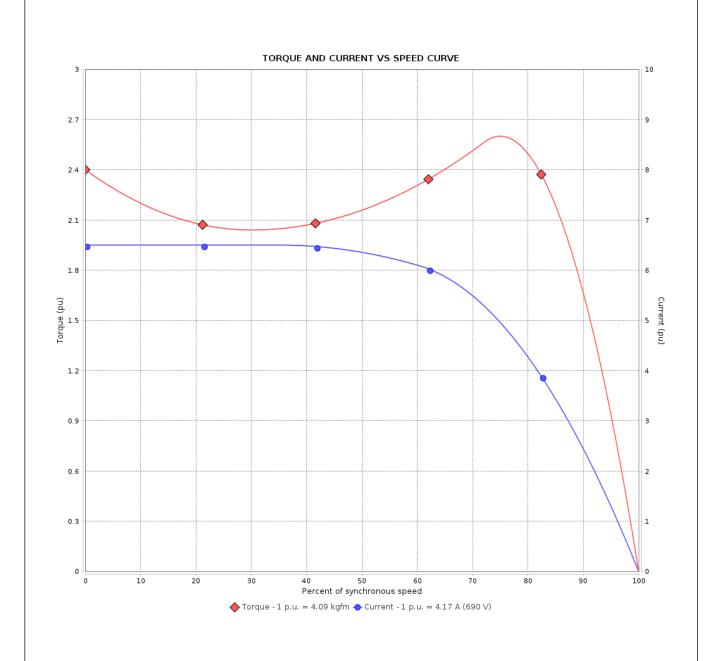
Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	13/10/2023			4 / 19	

Three Phase Induction Motor - Squirrel Cage



Customer : Astraprom d.o.o.

Product line : W22 IE3 Three-Phase Product code : 12868196



Performance	: 400/690 V 50 Hz 8P			
Rated current	: 7.20/4.17 A	Moment of inertia (J)	: 0.0838 kgm²	
LRC	: 6.5	Duty cycle	: S1	
Rated torque	: 4.09 kgfm	Insulation class	: F	
Locked rotor torque	: 240 %	Service factor	: 1.00	
Breakdown torque	: 260 %	Temperature rise	: 80 K	
Rated speed	: 715 rpm	Design	: N	
Looked veter times	. 27a (aald) 24a (bat)			

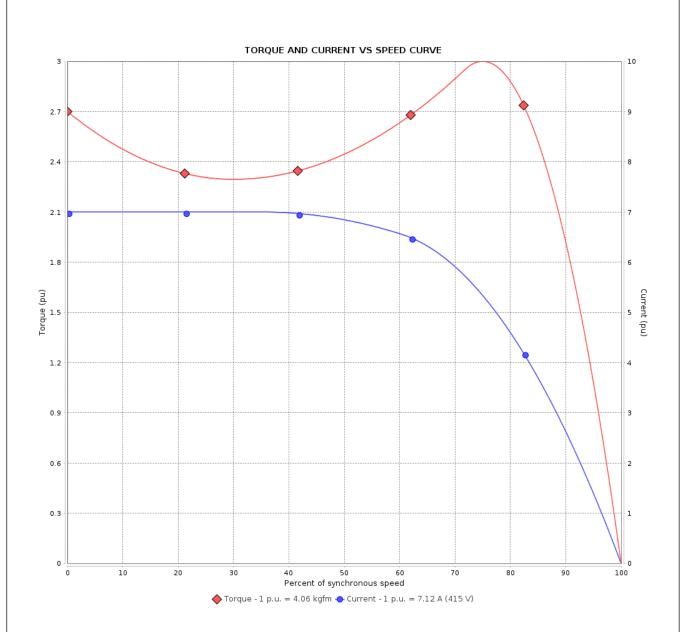
Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	13/10/2023			5 / 19	

Three Phase Induction Motor - Squirrel Cage



Customer : Astraprom d.o.o.

Product line : W22 IE3 Three-Phase Product code : 12868196



Performance	: 415 V 50 Hz 8P		
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 7.12 A : 7.0 : 4.06 kgfm : 270 % : 300 % : 720 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design	: 0.0838 kgm² : S1 : F : 1.00 : 80 K : N
Kaleu speeu	. 720 Ipili	Design	. IN

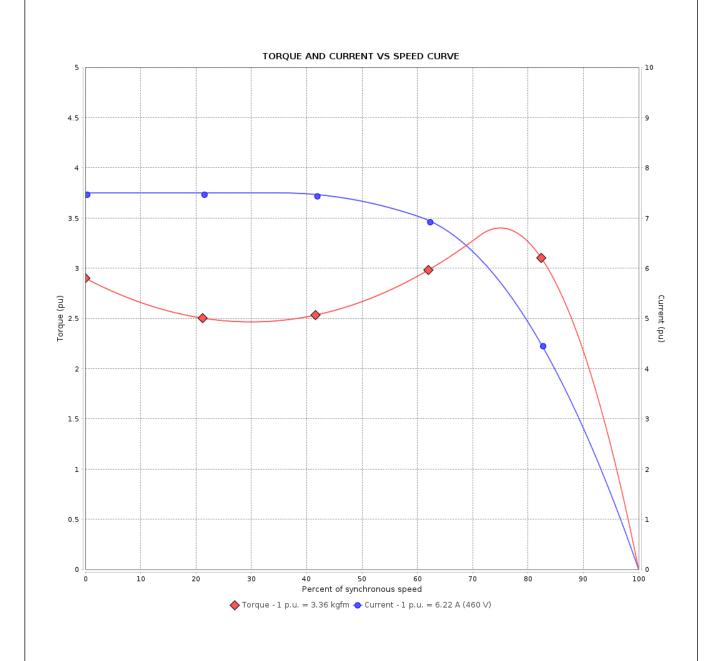
Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	13/10/2023			6 / 19	

Three Phase Induction Motor - Squirrel Cage



Customer : Astraprom d.o.o.

Product line : W22 IE3 Three-Phase Product code : 12868196



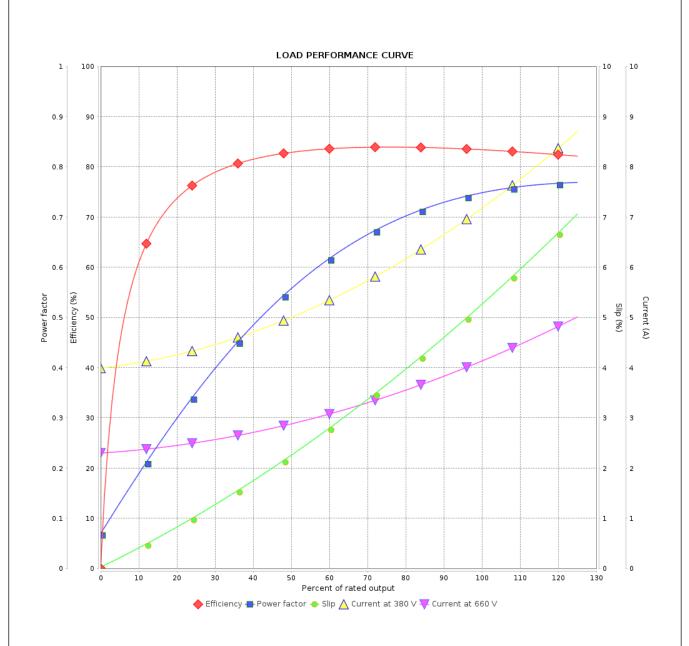
Performance	: 460 V 60 Hz 8P			
Rated current	: 6.22 A	Moment of inertia (J)	: 0.0838 kgm²	
LRC	: 7.5	Duty cycle	: S1	
Rated torque	: 3.36 kgfm	Insulation class	: F	
Locked rotor torque	: 290 %	Service factor	: 1.00	
Breakdown torque	: 340 %	Temperature rise	: 80 K	
Rated speed	: 870 rpm	Design	: N	

Rev.		Changes Summary		Checked	Date
Performed by					
Checked by				Page	Revision
Date	13/10/2023	1		7 / 19	

Three Phase Induction Motor - Squirrel Cage



Customer : Astraprom d.o.o.



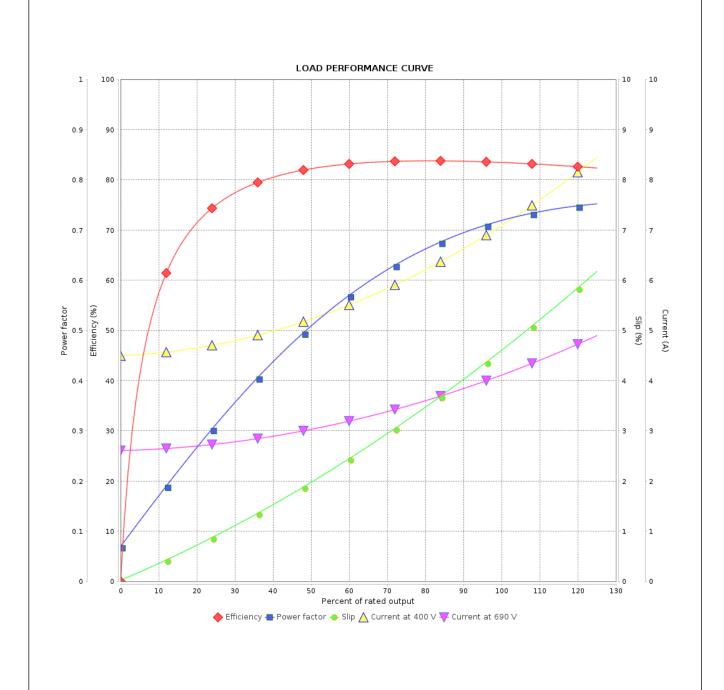
Performance		: 380/660 V 50 Hz 8P				
Rated current LRC Rated torque Locked rotor torque Breakdown torque		: 7.28/4.19 A : 6.0 : 4.12 kgfm : 200 % : 220 %	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise		: 0.0838 kgm² : S1 : F : 1.00 : 80 K	
Rated speed		: 710 rpm	Design		: N	
Rev.		Changes Summary	1	Performed	Checked	Date

	Performed by						
İ	Checked by					Page	Revision
	Date	13/10/2023				8 / 19	
•	This do	oumant is evaluaive	property of MEC C/A	Deprinting is not all	awad without writton	authorization of ME	C C/A

Three Phase Induction Motor - Squirrel Cage



Customer : Astraprom d.o.o.



Performance	: 40	00/690 V 50 Hz 8P				
Rated current LRC	: 6.	, -, -,		e ` ′	: 0.0838 kgm² : S1 : F	
Rated torque Locked rotor torque Breakdown torque		.09 kgfm 40 % 50 %	Service fa	Insulation class Service factor Temperature rise		
Rated speed		715 rpm Design			: 80 K : N	
Rev.		Changes Summary	-	Performed	Checked	Date
Performed by						
Checked by					Page	Revision
Date	13/10/2023	-			9 / 19	

Three Phase Induction Motor - Squirrel Cage



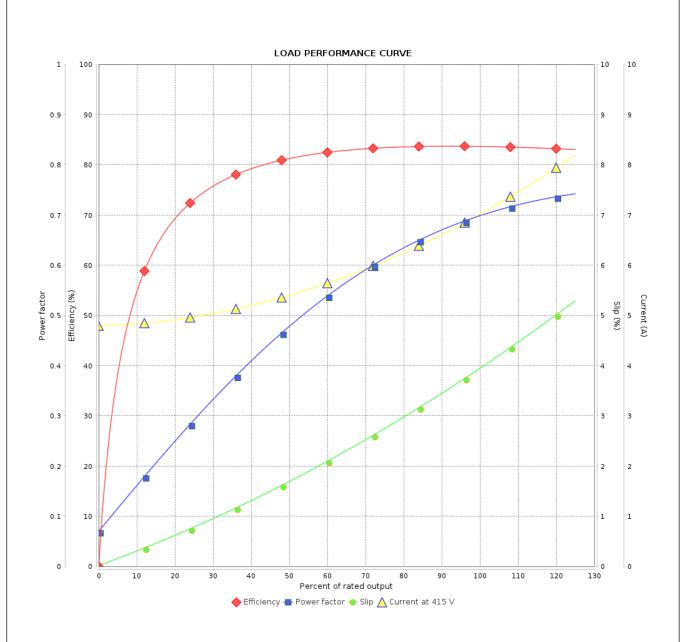
Customer : Astraprom d.o.o.

Checked by

Date

13/10/2023

Product line : W22 IE3 Three-Phase Product code : 12868196



Performance	:	415 V 50 Hz 8P				
Rated current LRC Rated torque Locked rotor tord Breakdown torqu Rated speed	iue :	7.12 A 7.0 4.06 kgfm 270 % 300 % 720 rpm	Moment of Duty cycle Insulation Service fa Temperation	class ctor	: 0.0838 kgm² : S1 : F : 1.00 : 80 K : N	
Rev.		Changes Summary		Performed	Checked	Date
Performed by					·	

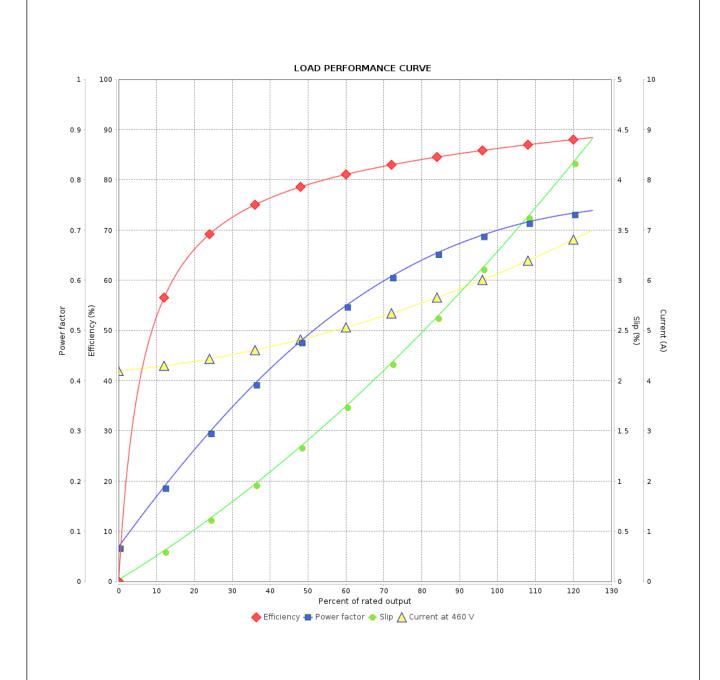
Page

10 / 19

Three Phase Induction Motor - Squirrel Cage



Customer : Astraprom d.o.o.



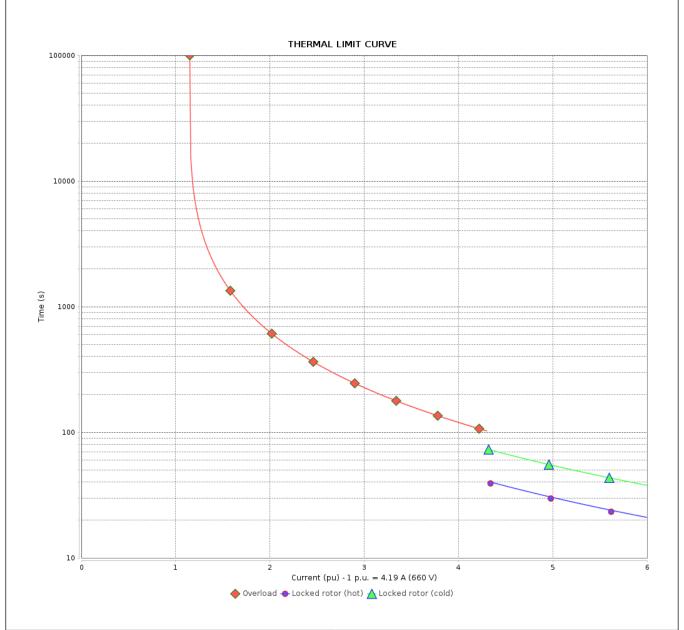
Performance	: 40	60 V 60 Hz 8P				
Rated current	current : 6.22 A		Moment o	of inertia (J)	: 0.0838 kgm²	
LRC	: 7.	.5	Duty cycle	Э	: S1	
Rated torque	: 3	.36 kgfm	Insulation	class	: F	
Locked rotor torq	jue : 29	90 %	Service fa	octor	: 1.00	
Breakdown torqu	ie : 34	40 %	Temperature rise		: 80 K : N	
Rated speed	: 8	: 870 rpm				
Rev.		Changes Summary		Performed	Checked	Date
Performed by						
Checked by					Page	Revision
Date	13/10/2023	1			11 / 19	

Three Phase Induction Motor - Squirrel Cage



Customer : Astraprom d.o.o.

Product line : W22 IE3 Three-Phase Product code: 12868196



Performance : 380/660 V 50 Hz 8P Rated current : 7.28/4.19 A Moment of inertia (J) : 0.0838 kgm² **LRC** Duty cycle : S1 : 6.0 Insulation class : F Rated torque : 4.12 kgfm : 200 % : 1.00 Locked rotor torque Service factor Breakdown torque : 220 % : 80 K Temperature rise Rated speed : 710 rpm Design Heating constant

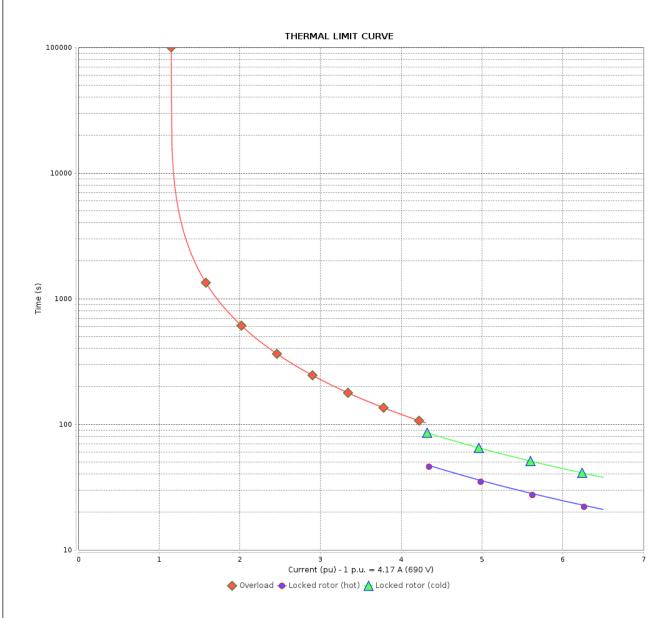
Cooling constant

Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	13/10/2023			12 / 19	

Three Phase Induction Motor - Squirrel Cage



Customer : Astraprom d.o.o.



Performance	: 400/690 V 50 Hz 8P		
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 7.20/4.17 A : 6.5 : 4.09 kgfm : 240 % : 260 % : 715 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design	: 0.0838 kgm² : S1 : F : 1.00 : 80 K : N
Heating constant Cooling constant			

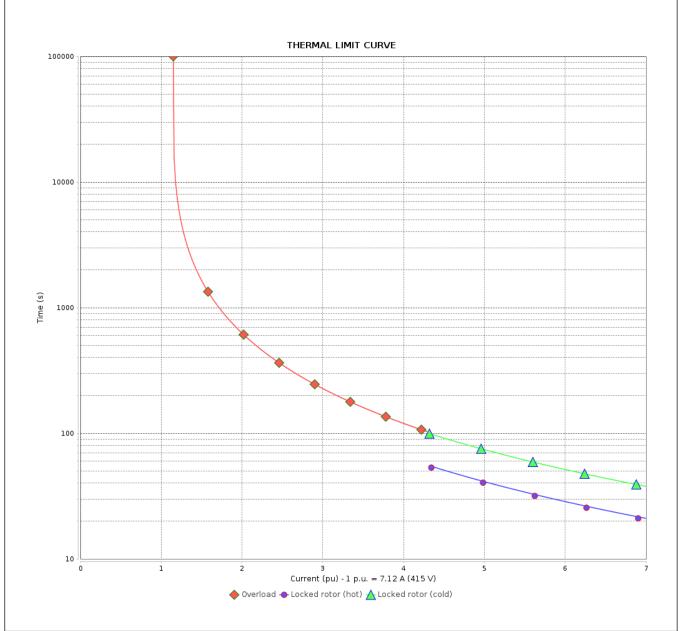
Cooling constan	ı				
Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	13/10/2023			13 / 19	

Three Phase Induction Motor - Squirrel Cage



Customer : Astraprom d.o.o.

Product line : W22 IE3 Three-Phase Product code: 12868196



Performance : 415 V 50 Hz 8P Rated current : 7.12 A Moment of inertia (J) : 0.0838 kgm² **LRC** : 7.0 Duty cycle : S1 Insulation class : 4.06 kgfm : F Rated torque : 270 % : 1.00 Locked rotor torque Service factor Breakdown torque : 300 % Temperature rise : 80 K Rated speed : 720 rpm Design Heating constant

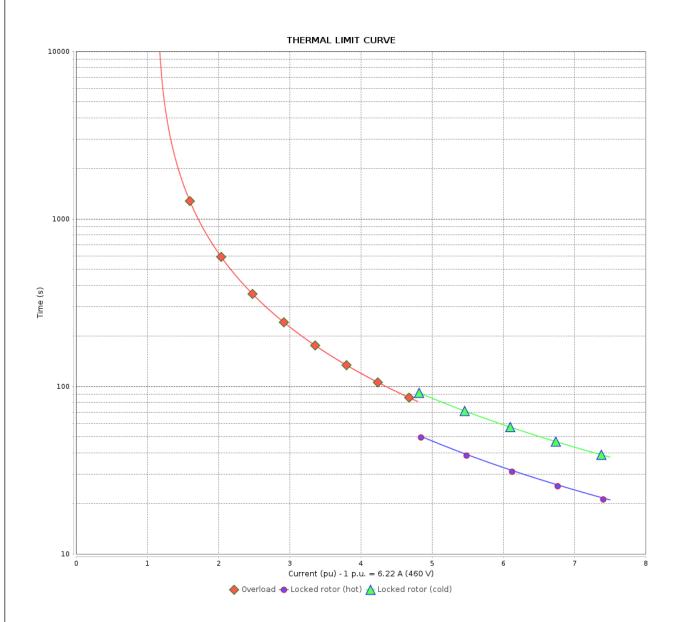
Cooling constant

Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	13/10/2023			14 / 19	

Three Phase Induction Motor - Squirrel Cage



Customer : Astraprom d.o.o.



Performance	: 460 V 60 Hz 8P		
Rated current	: 6.22 A	Moment of inertia (J)	: 0.0838 kgm²
LRC	: 7.5	Duty cycle	: S1
Rated torque	: 3.36 kgfm	Insulation class	: F
Locked rotor torque	: 290 %	Service factor	: 1.00
Breakdown torque	: 340 %	Temperature rise	: 80 K
Rated speed	: 870 rpm	Design	: N
Heating constant			
Cooling constant			

Cooling constan	ι				
Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	13/10/2023			15 / 19	

Three Phase Induction Motor - Squirrel Cage



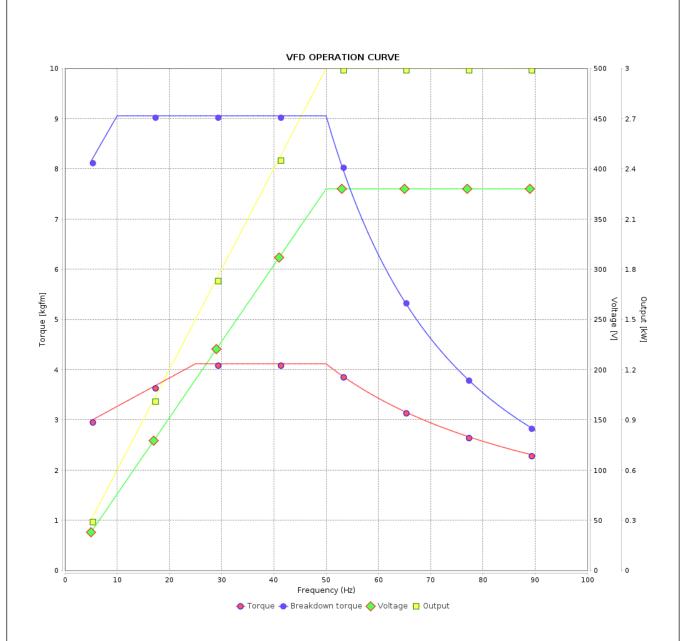
Customer : Astraprom d.o.o.

Performed by Checked by

Date

13/10/2023

Product line : W22 IE3 Three-Phase Product code : 12868196



Performance	: 380/660 V 50 Hz 8P				
Rated current LRC Rated torque Locked rotor tord Breakdown torqu Rated speed	: 7.28/4.19 A : 6.0 : 4.12 kgfm : 200 % : 220 % : 710 rpm	Moment of Duty cycle Insulation Service fa Temperat Design	class ctor	: 0.0838 kgm² : S1 : F : 1.00 : 80 K : N	
Rev.	Changes Summary		Performed	Checked	Date

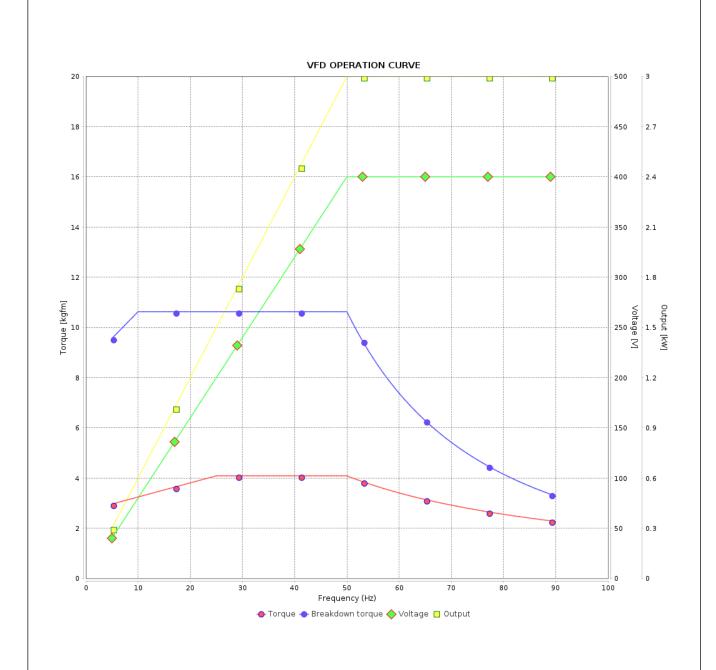
Page

16/19

Three Phase Induction Motor - Squirrel Cage



Customer : Astraprom d.o.o.



Performance	: 40	00/690 V 50 Hz 8P				
			Moment of inertia (J)			
LRC	: 6.	-	Duty cycle		: S1	
Rated torque	: 4.	.09 kgfm	Insulation	class	: F	
Locked rotor torque : 240		40 %	Service factor		: 1.00	
Breakdown torqu	ue : 20	: 260 % Ten		ure rise	: 80 K	
Rated speed	: 7	15 rpm	Design		: N	
Rev.		Changes Summary		Performed	Checked	Date
Performed by						
Checked by					Page	Revision
Date	13/10/2023	-			17 / 19	

Three Phase Induction Motor - Squirrel Cage



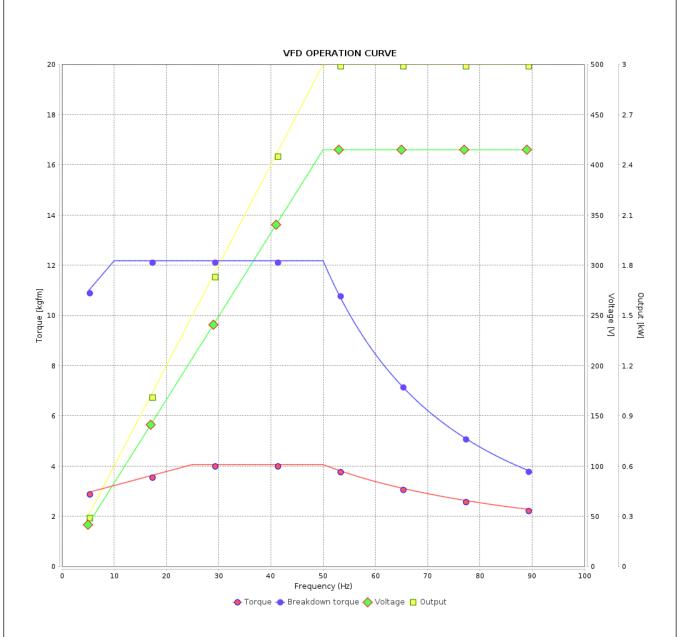
Customer : Astraprom d.o.o.

Checked by

Date

13/10/2023

Product line : W22 IE3 Three-Phase Product code : 12868196



Performance		: 415 V 50 Hz 8P				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed		: 7.12 A : 7.0 : 4.06 kgfm : 270 % : 300 % : 720 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 0.0838 kgm² : S1 : F : 1.00 : 80 K : N	
Rev.		Changes Summary		Performed	Checked	Date
Performed by						

Page

18 / 19

Three Phase Induction Motor - Squirrel Cage



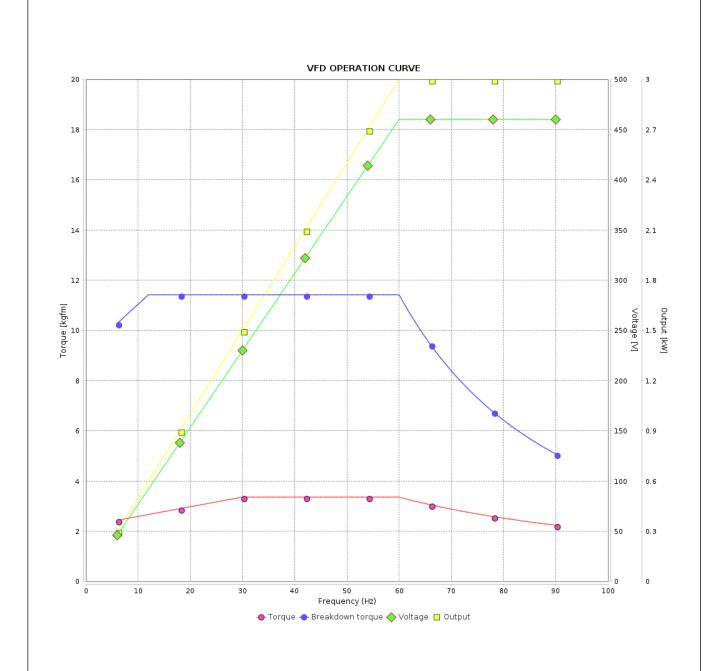
Customer : Astraprom d.o.o.

Checked by

Date

13/10/2023

Product line : W22 IE3 Three-Phase Product code : 12868196



Performance	: 460 V 60 Hz 8P				
Rated current LRC Rated torque Locked rotor torque Breakdown torque	: 7.5 Duty : 3.36 kgfm Insul: : 290 % Servi		class	: 0.0838 kgm² : S1 : F : 1.00 : 80 K	
Rated speed	: 870 rpm	Design		: N	
Rev. Changes Summary			Performed	Checked	Date
Performed by					

Page

19 / 19