# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer	: As	traprom d.o	0.0.							
Product line	: W22	IE2 Three-	Phase			Produc	ct code :	11398	492	
Frame Insulation class Duty cycle Ambient temper Altitude Protection degree		: 71 : F : S1 : -20°C t : 1000 m : IP55 : N			Cooling Mountin Rotation Starting Approx. Moment	ig n¹ metho weigh	od t³	: IC41 : B5T : Both : Direc : 11.2 : 0.000	(CW ct On l	and CCW) Line
Output [kW]			0.37		0.37		0.3	27		0.37
Poles			4		4			1		4
Frequency [Hz]			50		50		5	•		60
Rated voltage [V]			0/380		230/400		240			460
Rated current [A]			6/1.02		1.77/1.02		1.78			0.949
L. R. Amperes [A]	<u> </u>		2/4.18		7.63/4.39		8.01			4.84
			4.1 4.1	,	4.3		4.			5.1
LRC [A] No load current [A	\1		4. i 2/0.650	1	.27/0.730		1.35/			0.660
-	-		370	1	1385		1.35/			1710
Rated speed [RPI Slip [%]	vij		370 3.67		7.67		6.0			5.00
	1		.263		0.260		0.2			0.211
Rated torque [kgf			.263 200							
Locked rotor torqu					220		24			250
Breakdown torque	9 [%]		200		220		24			270
Service factor			1.00		1.00		1.0			1.00
Temperature rise			80 K	20 (	80 K		80			80 K
Locked rotor time			d) 48s (hot)		cold) 48s (	not)	86s (cold)		868	(cold) 48s (hot)
Noise level <sup>2</sup>	050/	43.0	) dB(A)	4	3.0 dB(A)		43.0	gR(A)		47.0 dB(A)
	25%									
Efficiency (%)	50%		6.0		63.0		63			62.0
	75%		88.5		68.0		68			67.0
	100%	7	72.7		72.7		72	2.7		72.0
	25%									
Power Factor	50%		).55		0.50		0.4			0.48
1 OWEN T GOLON	75%		0.66		0.62		0.:			0.60
	100%	(	).76		0.72		0.0	69		0.68
Losses at norma	tive operating	points (sp	eed:torque). i	n percei	ntage of ra	ited ou	tout power			
200000 0(11011110		,9;1,0)	44.8	po. cc.		4.8		44.8		46.4
		,5;1,0)	39.0			9.0		39.0		40.3
		25;1,0)	37.5			7.5		37.5		38.8
Losses (%)		,9;0,5)	27.5			7.5		27.5	_	28.8
		,5;0,5)	18.9			8.9		18.9		19.8
		5;0,25)	15.5			5.5		15.5	+	16.3
		25;0,25)	10.9			0.9		10.9	_	11.4
Bearing type Sealing Lubrication inter Lubricant amour	val	Drive 6 : 6202 : Oil S : -	end Non dr	rive end 02 ZZ Seal -	Foundati Max. trac Max. cor	ion loa		: 14 kg : 25 kg		
Lubricant type		. M	obil Polyrex E	=M						
		. 141	OSII I OIYICA L	v.						
This revision repl must be eliminate (1) Looking the n (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		upply, s				ith sinusoidal ılated in IEC
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Customer	: Astraprom d.o.o.			
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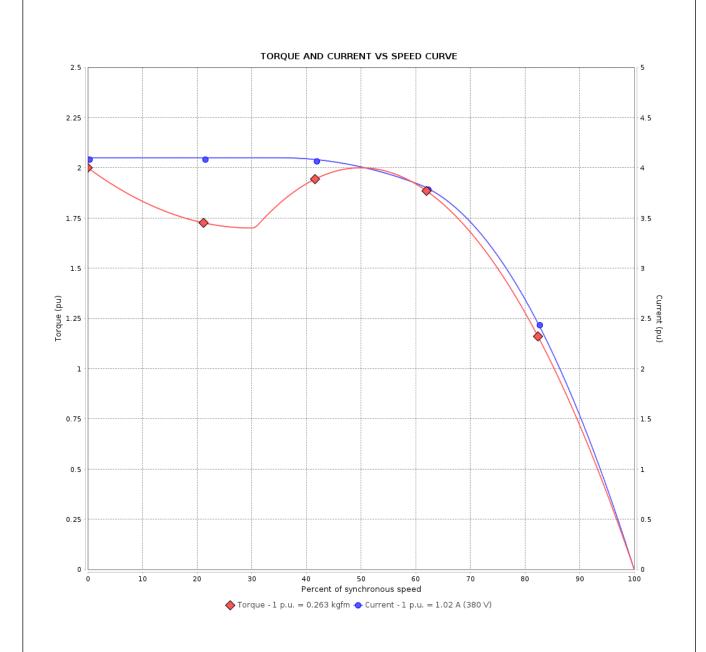
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#### Three Phase Induction Motor - Squirrel Cage



Customer : Astraprom d.o.o.

Product line : W22 IE2 Three-Phase Product code : 11398492



Performance : 220/380 V 50 Hz 4P Rated current : 1.76/1.02 A Moment of inertia (J) : 0.0008 kgm<sup>2</sup> : S1 **LRC** : 4.1 Duty cycle : F Rated torque : 0.263 kgfm Insulation class Locked rotor torque : 200 % Service factor : 1.00 : 80 K : 200 % Breakdown torque Temperature rise : N Rated speed : 1370 rpm Design

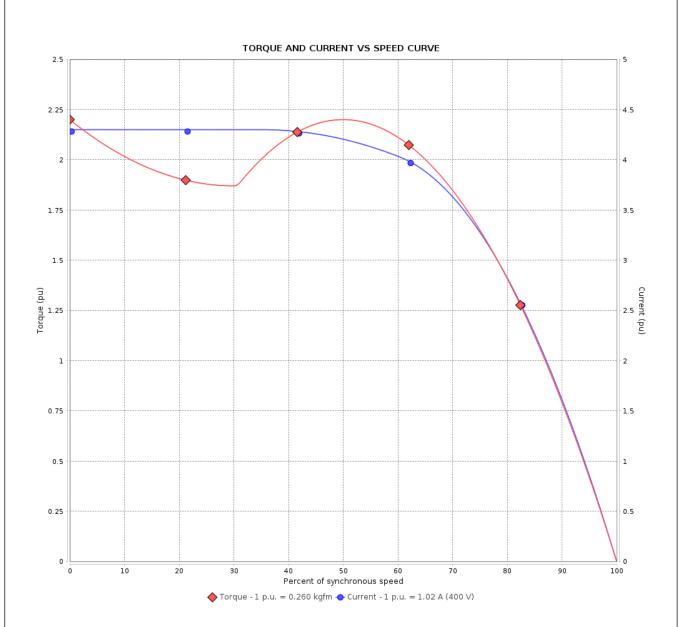
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#### Three Phase Induction Motor - Squirrel Cage



Customer : Astraprom d.o.o.

Product line : W22 IE2 Three-Phase Product code : 11398492



Performance : 230/400 V 50 Hz 4P Rated current : 1.77/1.02 A Moment of inertia (J) : 0.0008 kgm<sup>2</sup> **LRC** : 4.3 Duty cycle : S1 Insulation class : F Rated torque : 0.260 kgfm Service factor Locked rotor torque : 220 % : 1.00 : 80 K Breakdown torque : 220 % Temperature rise Rated speed : N : 1385 rpm Design

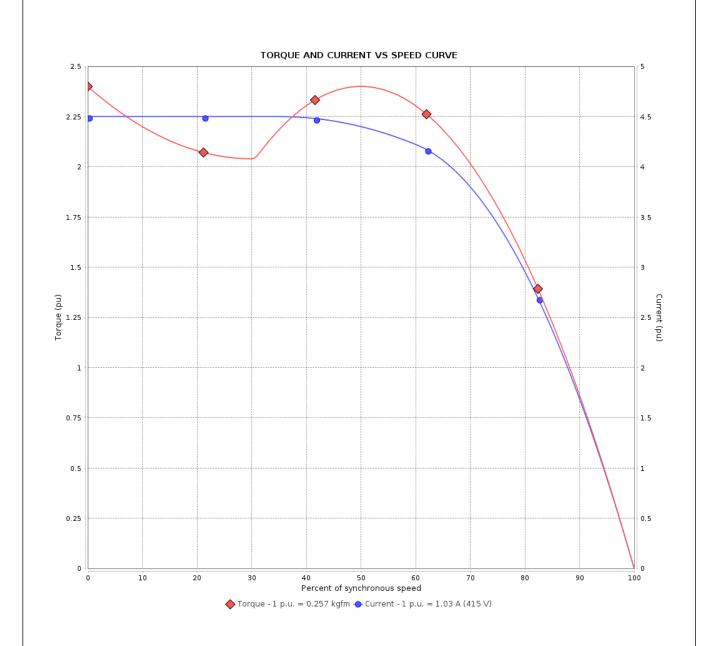
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## Three Phase Induction Motor - Squirrel Cage



Customer : Astraprom d.o.o.

Product line : W22 IE2 Three-Phase Product code : 11398492



Performance	: 240/415 V 50 Hz 4P			
Rated current	: 1.78/1.03 A	Moment of inertia (J)	: 0.0008 kgm²	
LRC	: 4.5	Duty cycle	: S1	
Rated torque	: 0.257 kgfm	Insulation class	: F	
Locked rotor torque	: 240 %	Service factor	: 1.00	
Breakdown torque	: 240 %	Temperature rise	: 80 K	
Rated speed	: 1400 rpm	Design	: N	

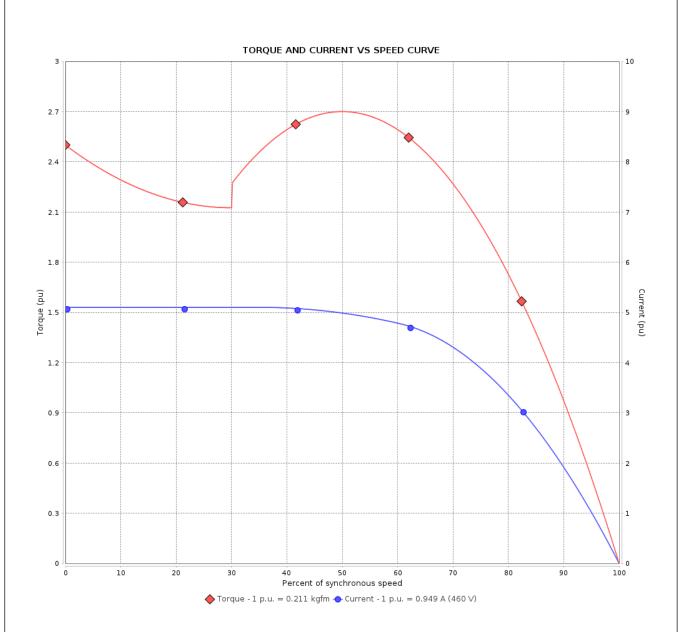
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## Three Phase Induction Motor - Squirrel Cage



Customer : Astraprom d.o.o.

Product line : W22 IE2 Three-Phase Product code : 11398492



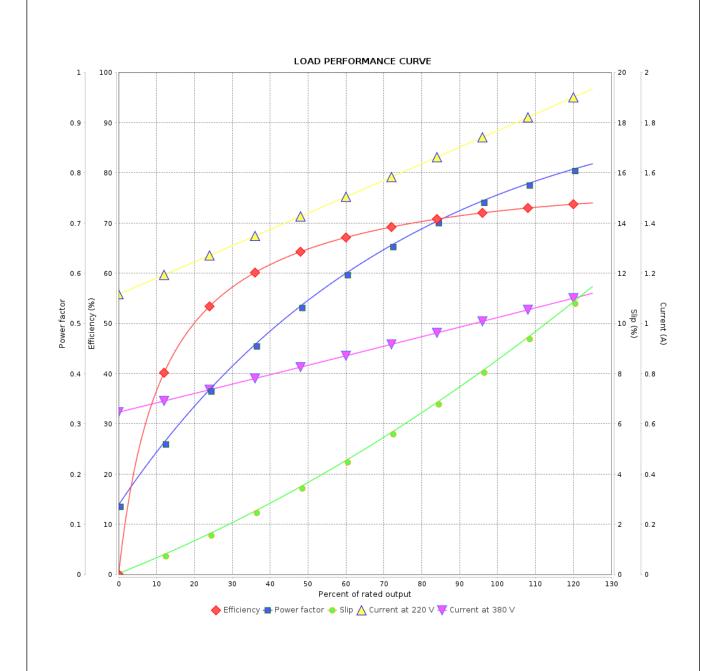
Performance : 460 V 60	Hz 4P	
Rated current : 0.949 A LRC : 5.1 Rated torque : 0.211 kg Locked rotor torque : 250 % Breakdown torque : 270 % Rated speed : 1710 rpn	Service factor Temperature rise	: 0.0008 kgm² : S1 : F : 1.00 : 80 K : N

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### Three Phase Induction Motor - Squirrel Cage



Customer : Astraprom d.o.o.

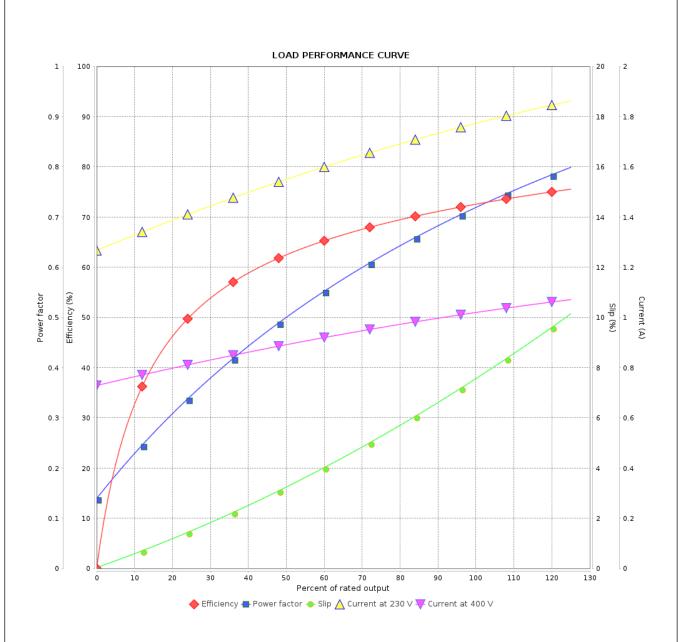


Performance	: 22	20/380 V 50 Hz 4P				
Rated current LRC Rated torque Locked rotor torque Breakdown torque		: 1.76/1.02 A       Moment of inertia (J)       : 0.0008 kgm         : 4.1       Duty cycle       : S1         : 0.263 kgfm       Insulation class       : F         : 200 %       Service factor       : 1.00         : 200 %       Temperature rise       : 80 K		Duty cycle Insulation class Service factor Temperature rise		2
Rated speed Rev.	: 1;	370 rpm  Changes Summary	Design	Performed	: N Checked	Date
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### Three Phase Induction Motor - Squirrel Cage



Customer : Astraprom d.o.o.

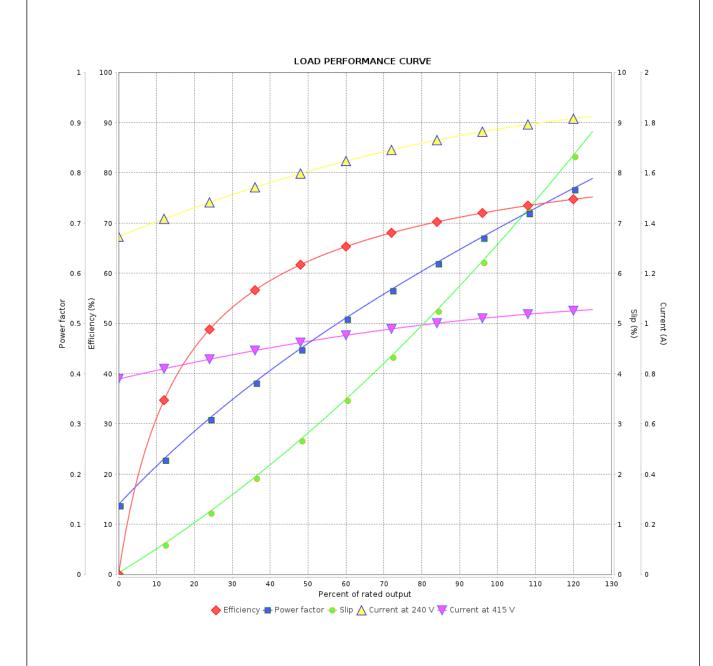


Performance	: 2	30/400 V 50 Hz 4P				
Rated current	: 1	: 1.77/1.02 A		Moment of inertia (J)		2
LRC	: 4	: 4.3		` '	: 0.0008 kgm² : S1	
Rated torque	: C	).260 kgfm	Insulation		: F	
Locked rotor torq	ue : 2	20 %	Service fa	actor	: 1.00	
Breakdown torqu	e : 2	20 %	Temperature rise		: 80 K	
Rated speed	: 1	385 rpm	Design		: N	
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## Three Phase Induction Motor - Squirrel Cage



Customer : Astraprom d.o.o.

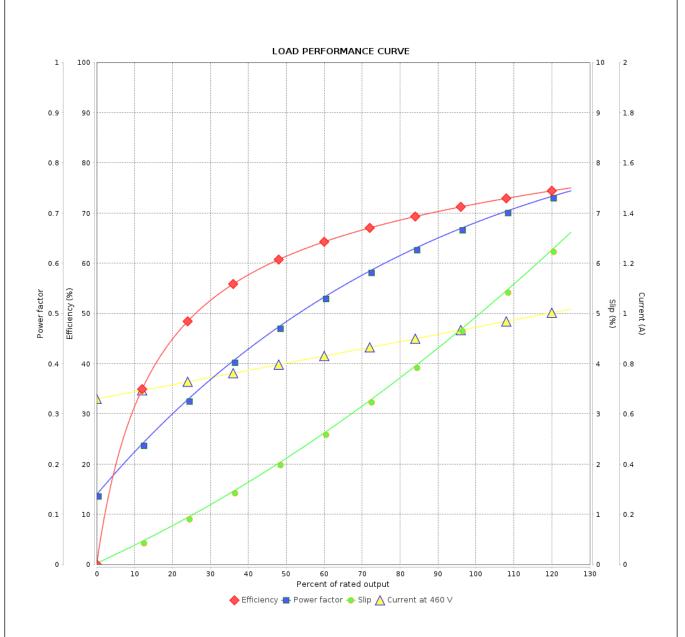


Performance	: 2	240/415 V 50 Hz 4P				
Rated current	: 1	1.78/1.03 A	Moment o	f inertia (J)	: 0.0008 kgm²	
LRC	: 4	1.5	Duty cycle	<b>;</b>	: S1	
Rated torque	: (	).257 kgfm	Insulation	Insulation class : F		
Locked rotor torq	ue : 2	240 %	Service fa	ctor	: 1.00	
Breakdown torqu	e :2	240 %	Temperature rise		: 80 K	
Rated speed	: 1	1400 rpm	Design		: N	
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### Three Phase Induction Motor - Squirrel Cage



Customer : Astraprom d.o.o.



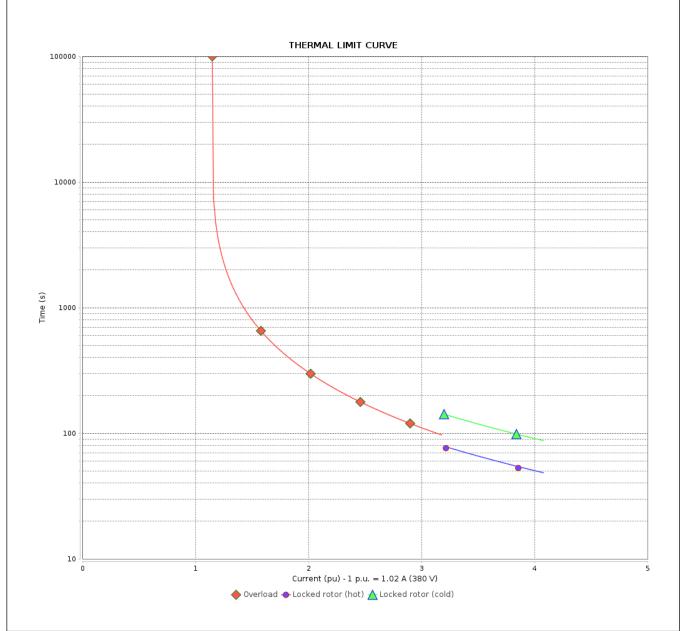
Performance	: 46	60 V 60 Hz 4P				
Rated current	Rated current : 0.949 A		Moment of	Moment of inertia (J)		2
LRC	: 5.	1	Duty cycle	e	: S1	
Rated torque	: 0.	211 kgfm	Insulation	class	: F	
Locked rotor tord	que : 25	50 %	Service fa	actor	: 1.00	
Breakdown torqu	ie : 27	70 %	Temperature rise		: 80 K	
Rated speed	: 17	: 1710 rpm Design		: N		
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#### Three Phase Induction Motor - Squirrel Cage



Customer : Astraprom d.o.o.

Product line : W22 IE2 Three-Phase Product code : 11398492



Performance : 220/380 V 50 Hz 4P Moment of inertia (J) : 0.0008 kgm<sup>2</sup> Rated current : 1.76/1.02 A **LRC** Duty cycle : S1 : 4.1 Insulation class : F Rated torque : 0.263 kgfm : 1.00 Locked rotor torque : 200 % Service factor : 200 % : 80 K Breakdown torque Temperature rise Rated speed : 1370 rpm Design : N Heating constant Cooling constant

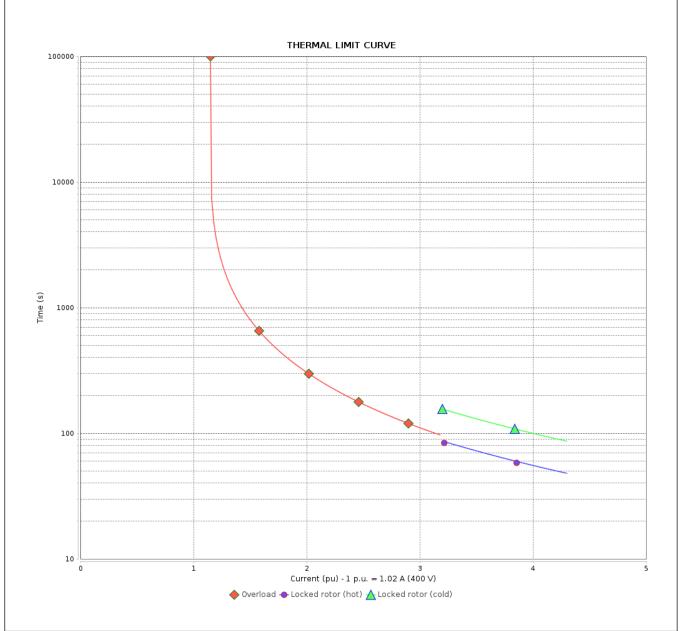
Cooling constant					
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#### Three Phase Induction Motor - Squirrel Cage



Customer : Astraprom d.o.o.

Product line : W22 IE2 Three-Phase Product code : 11398492



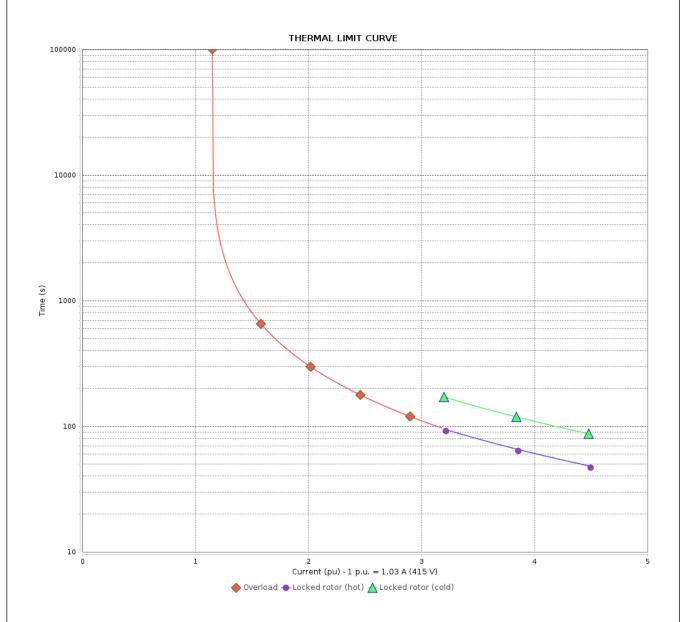
Performance : 230/400 V 50 Hz 4P : 1.77/1.02 A Moment of inertia (J) : 0.0008 kgm<sup>2</sup> Rated current **LRC** Duty cycle : S1 : 4.3 Insulation class : F Rated torque : 0.260 kgfm : 1.00 Locked rotor torque : 220 % Service factor : 220 % : 80 K Breakdown torque Temperature rise Rated speed Design : 1385 rpm : N Heating constant Cooling constant

Cooling Constant	·				
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## Three Phase Induction Motor - Squirrel Cage



Customer : Astraprom d.o.o.



Performance	: 240/415 V 50 Hz 4P				
Rated current	: 1.78/1.03 A	Moment of ine	ertia (J)	: 0.0008 kgm²	
LRC	: 4.5	Duty cycle		: S1	
Rated torque	: 0.257 kgfm	Insulation class	SS	: F	
Locked rotor torque	: 240 %	Service factor	•	: 1.00	
Breakdown torque	: 240 %	Temperature r	rise	: 80 K	
Rated speed	: 1400 rpm	Design		: N	
Heating constant					
Cooling constant					
Pov	Changes Summers		Dorformod	Chaakad	Doto

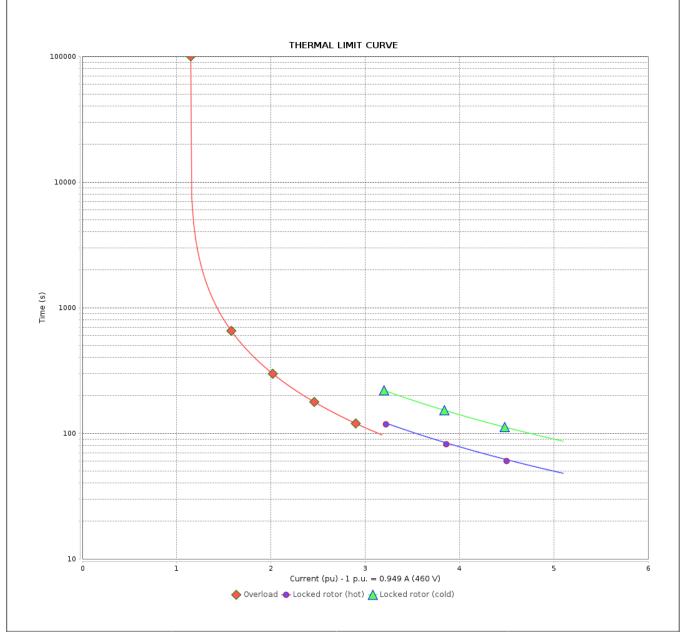
Cooling constan	L				
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#### Three Phase Induction Motor - Squirrel Cage



Customer : Astraprom d.o.o.

Product line : W22 IE2 Three-Phase Product code : 11398492



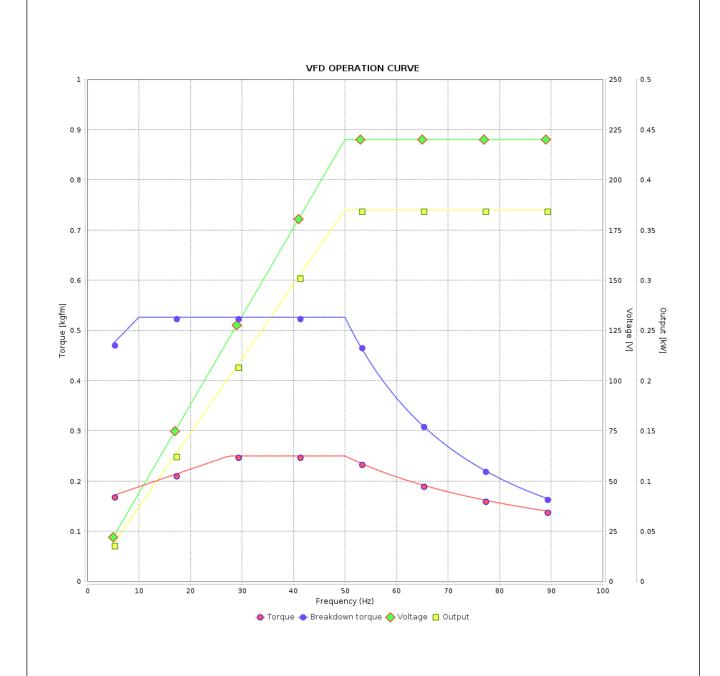
Performance : 460 V 60 Hz 4P Rated current : 0.949 A Moment of inertia (J) : 0.0008 kgm<sup>2</sup> **LRC** Duty cycle : S1 : 5.1 Insulation class : F Rated torque : 0.211 kgfm : 250 % : 1.00 Locked rotor torque Service factor : 270 % Temperature rise : 80 K Breakdown torque Rated speed : 1710 rpm Design : N Heating constant Cooling constant

Cooling Constant	•				
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### Three Phase Induction Motor - Squirrel Cage



Customer : Astraprom d.o.o.



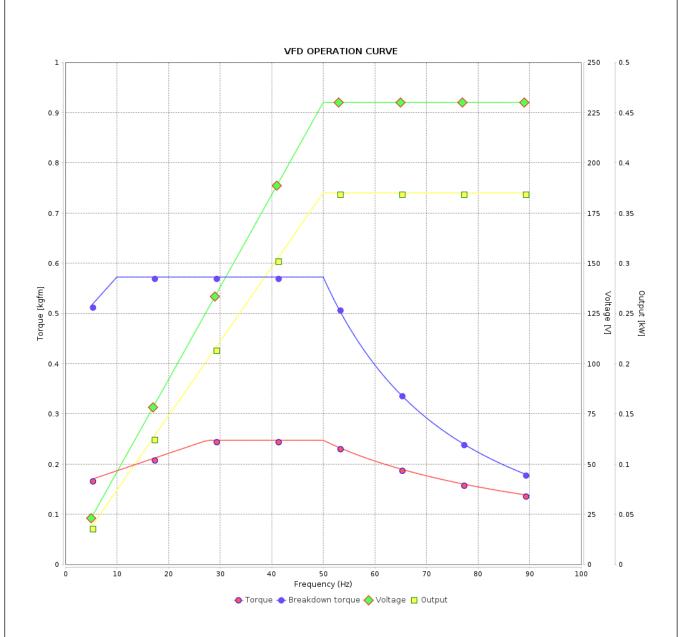
Performance	: 22	20/380 V 50 Hz 4P				
Rated current LRC Rated torque Locked rotor torque Breakdown torque		76/1.02 A 1 263 kgfm 00 % 00 %	Duty cycle Insulation Service fa	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise		•
Rated speed	•		Design		: N	
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### Three Phase Induction Motor - Squirrel Cage



Customer : Astraprom d.o.o.

Product line : W22 IE2 Three-Phase Product code : 11398492



Performance	: 230/400 V 50 Hz 4P				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 1.77/1.02 A : 4.3 : 0.260 kgfm : 220 % : 220 % : 1385 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 0.0008 kgm² : S1 : F : 1.00 : 80 K : N	
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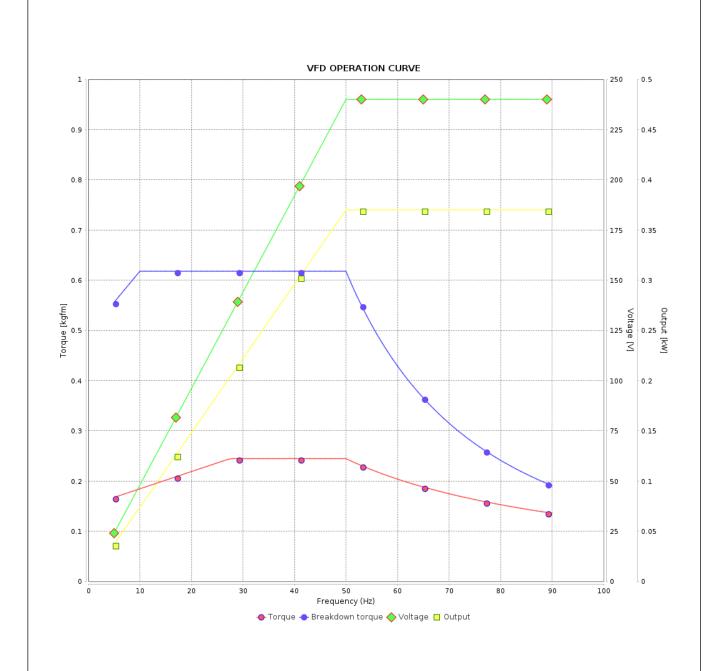
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### Three Phase Induction Motor - Squirrel Cage



Customer : Astraprom d.o.o.

: W22 IE2 Three-Phase Product line Product code: 11398492



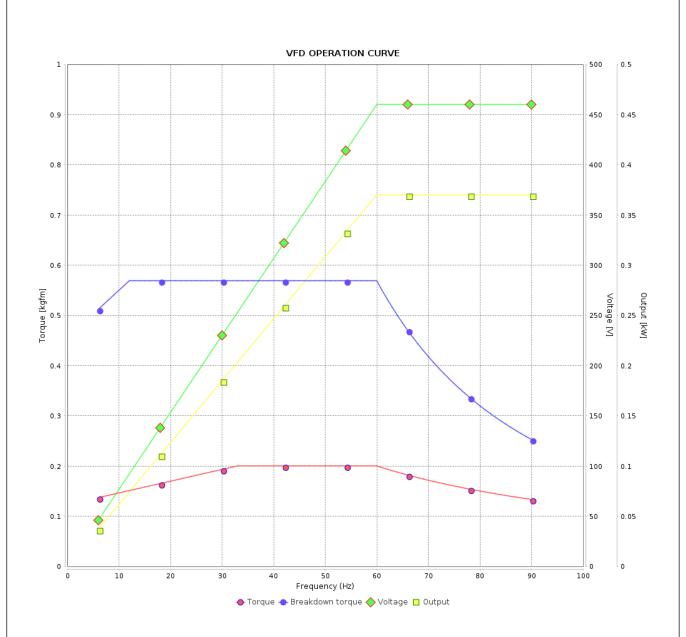
Performance	: 24	40/415 V 50 Hz 4P				
Rated current LRC Rated torque	: 4.5 Duty cycle Insulation class		class	: 0.0008 kgm² : S1 : F : 1.00		
Locked rotor torque Breakdown torque Rated speed	e : 24	40 % 40 % 400 rpm	Service factor Temperature rise Design		: 1.00 : 80 K : N	
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### Three Phase Induction Motor - Squirrel Cage



Customer : Astraprom d.o.o.

Product line : W22 IE2 Three-Phase Product code : 11398492



Performance	: 460 V 60 Hz 4P				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 0.949 A : 5.1 : 0.211 kgfm : 250 % : 270 % : 1710 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 0.0008 kgm² : S1 : F : 1.00 : 80 K : N	
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