DATA SHEET

Performed by

Three Phase Induction Motor - Squirrel Cage



Customer : Astraprom d.o.o.

Customer	: Ast	traprom d.	0.0.							
Product line	: W22					Produc	t code :	12867	461	
Frame Insulation class Duty cycle Ambient tempera Altitude Protection degree Design		: 90L : F : S1 : -20°C t : 1000 m : IP55 : N			Cooling Mountin Rotatior Starting Approx. Moment	g n¹ metho weight	d 3	: IC41 : B3T : Both : Direc : 23.3 : 0.000	(CW ct On l	and CCW) Line
Output [kW]			1.5		1.5		1	.5		1.5
Poles			4		4			4		4
Frequency [Hz]			50		50			0		60
Rated voltage [V]			0/380		230/400			/415		460
Rated current [A]			4/3.38		5.81/3.34			/3.35		2.94
L. R. Amperes [A]			3/23.3	4	43.0/24.7			/26.5		25.0
LRC [A]	_		6.9		7.4		7			8.5
No load current [A			8/1.90	3	3.83/2.20			/2.40		2.00
Rated speed [RPI	VIJ		445		1450			55		1755
Slip [%]	1		3.67		3.33			00		2.50
Rated torque [kgfi			1.01		1.01			00		0.832
Locked rotor torqu			260		290			10		340
Breakdown torque	€ [%]		300		320			50		409
Service factor			1.00		1.00			00		1.00
Temperature rise			80 K		80 K) K		80 K
Locked rotor time			d) 12s (hot)		cold) 11s (hot)		10s (hot)	19s	(cold) 11s (hot)
Noise level ²	25%	49.0) dB(A)	4	9.0 dB(A)		49.0	, ,		51.0 dB(A)
Efficiency (%)	50%		34.0		82.0			1.0		82.5
Liliciency (70)	75%		35.3		84.0			1.0		85.5
	100% 25%	8	35.3		85.3		85	5.3		86.5
	50%	(0.59		0.55		0.	50		0.53
Power Factor	75%		0.72		0.68			63		0.65
	100%	0.79		0.76			0.73			0.74
Losses at norma		l		n norcoi		tod out				
LUSSES at HUITIA		9;1,0)	16.9	ii percei		6.9	put power	16.9		15.3
		5;1,0)	15.5			5.5		15.5		
										14.1
Leeses (0/)		25;1,0)	15.1			5.1		15.1		13.7
Losses (%)		9;0,5)	8.6			3.6		8.6		7.8
		5;0,5)	6.6			5.6		6.6		5.9
		5;0,25)	4.9 3.7			9 3.7		4.9 3.7	_	4.4
Bearing type Sealing	P7 (0,2	Drive (: 6205 : V'R	end Non dr 5 ZZ 620	ive end 04 ZZ Ring	Foundati Max. trac Max. cor	on load		: 85 kg : 109 k		3.4
Lubrication inter Lubricant amour Lubricant type		: - : -	lobil Polyrex E	-					J	
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 to weight subjec ocess.	shaft end. olerance o	f +3dB(A).	nich		ipply, s				th sinusoidal lated in IEC
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Three Phase Induction Motor - Squirrel Cage



Customer : Astraprom d.o.o.

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

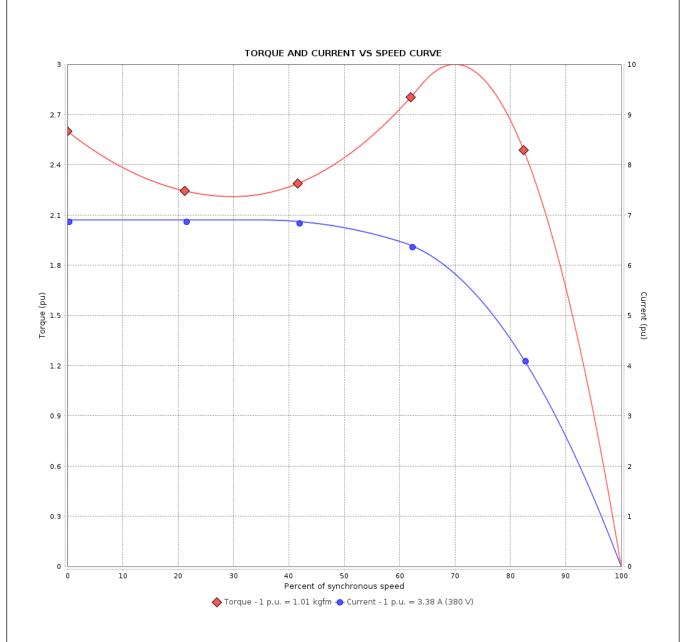
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Three Phase Induction Motor - Squirrel Cage



Customer : Astraprom d.o.o.

Product line : W22 Product code : 12867461



Performance : 220/380 V 50 Hz 4P Rated current : 5.84/3.38 A Moment of inertia (J) : 0.0066 kgm² **LRC** : 6.9 Duty cycle : S1 Rated torque Insulation class : F : 1.01 kgfm : 260 % Service factor : 1.00 Locked rotor torque : 80 K Breakdown torque : 300 % Temperature rise Rated speed : N : 1445 rpm Design

Locked rotor time : 21s (cold) 12s (hot)

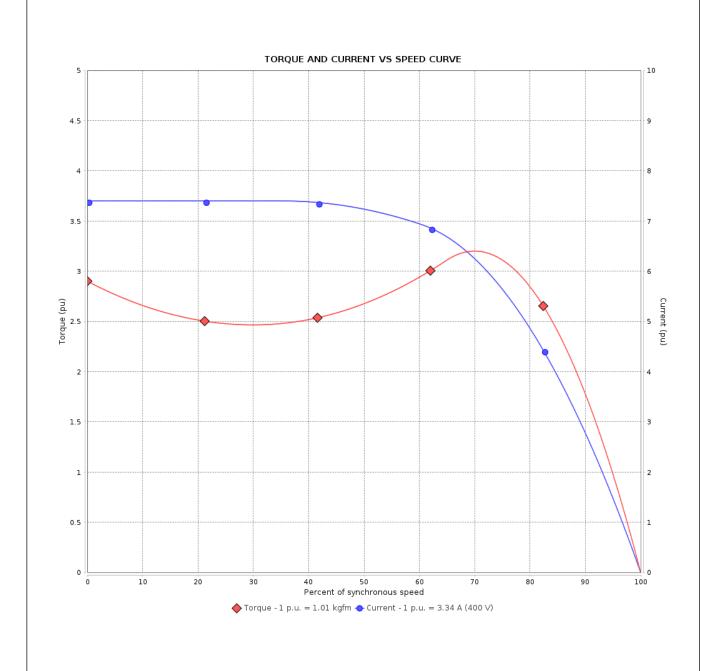
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Three Phase Induction Motor - Squirrel Cage



Customer : Astraprom d.o.o.

Product line : W22 Product code : 12867461



Performance	: 230/400 V 50 Hz 4P		
Rated current	: 5.81/3.34 A	Moment of inertia (J)	: 0.0066 kgm²
LRC	: 7.4	Duty cycle	: S1
Rated torque	: 1.01 kgfm	Insulation class	: F
Locked rotor torque	: 290 %	Service factor	: 1.00
Breakdown torque	: 320 %	Temperature rise	: 80 K
Rated speed	: 1450 rpm	Design	: N

Locked rotor time : 19s (cold) 11s (hot)

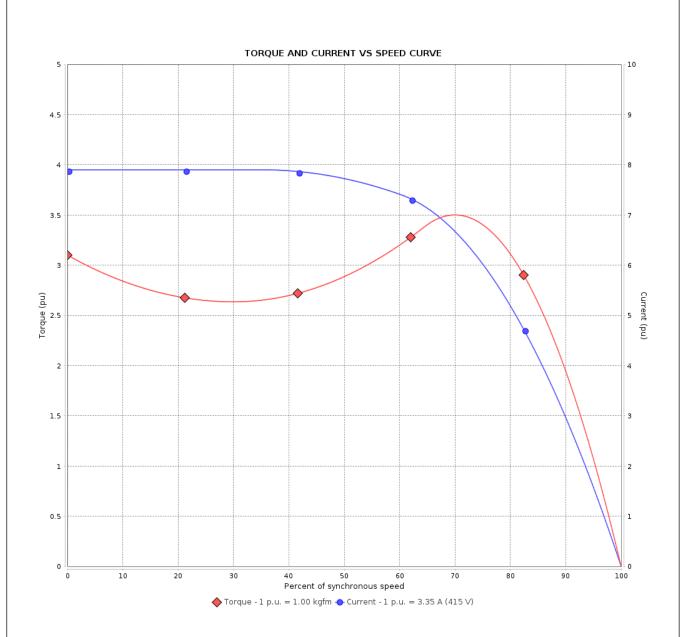
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Three Phase Induction Motor - Squirrel Cage



Customer : Astraprom d.o.o.

Product line : W22 Product code : 12867461



Performance	: 240/415 V 50 Hz 4P		
Rated current LRC	: 5.79/3.35 A : 7.9	Moment of inertia (J) Duty cycle	: 0.0066 kgm² : S1
Rated torque	: 1.00 kgfm	Insulation class	: F
Locked rotor torque	: 310 %	Service factor	: 1.00
Breakdown torque	: 350 %	Temperature rise	: 80 K
Rated speed	: 1455 rpm	Design	: N

Locked rotor time : 18s (cold) 10s (hot)

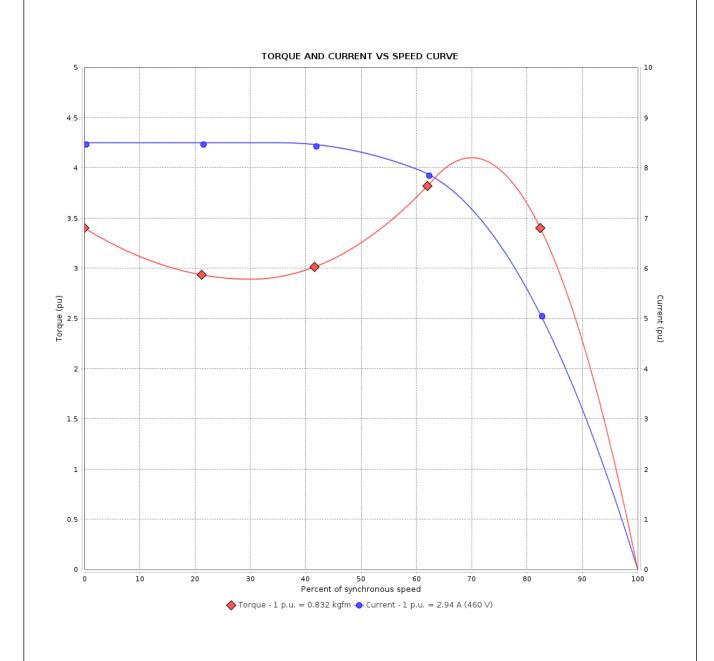
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Three Phase Induction Motor - Squirrel Cage



Customer : Astraprom d.o.o.

Product line : W22 Product code : 12867461



Performance	: 460 V 60 Hz 4P			
Rated current	: 2.94 A	Moment of inertia (J)	: 0.0066 kgm²	
LRC	: 8.5	Duty cycle	: S1	
Rated torque	: 0.832 kgfm	Insulation class	: F	
Locked rotor torque	: 340 %	Service factor	: 1.00	
Breakdown torque	: 409 %	Temperature rise	: 80 K	
Rated speed	: 1755 rpm	Design	: N	
Laskad rater times	· 40a (aald) 44a (bat)		·	

Locked rotor time : 19s (cold) 11s (hot)

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Three Phase Induction Motor - Squirrel Cage



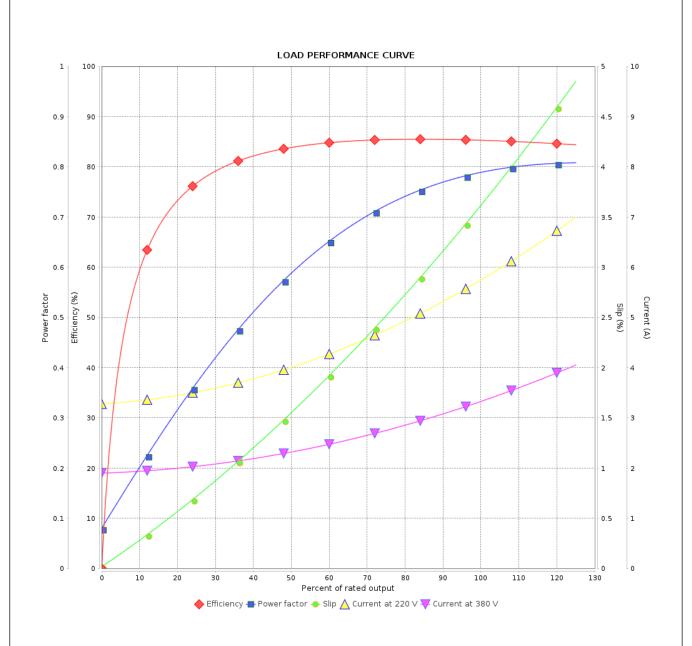
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Product line : W22 Product code : 12867461



Performance	:	: 220/380 V 50 Hz 4	1P			
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed		: 5.84/3.38 A : 6.9 : 1.01 kgfm : 260 % : 300 % : 1445 rpm	Duty cyc Insulatio Service	n class	: 0.0066 kgm : S1 : F : 1.00 : 80 K : N	2
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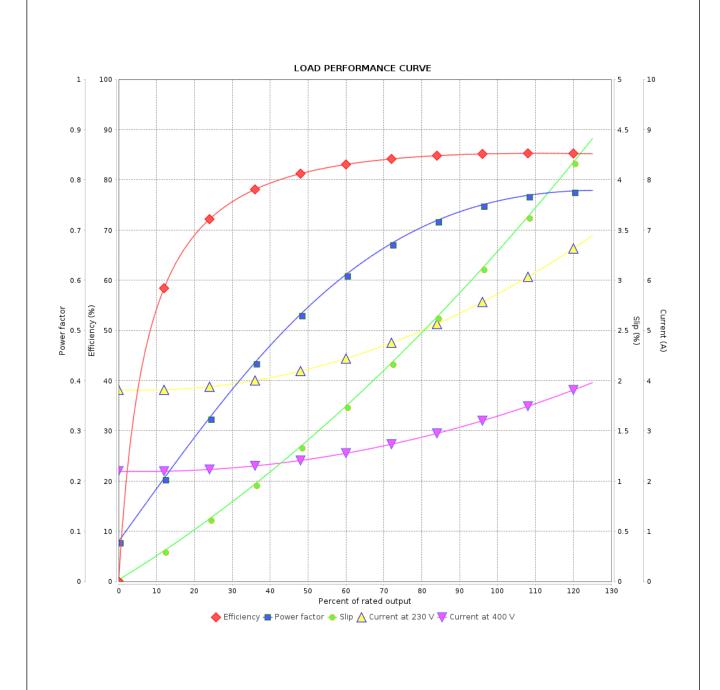
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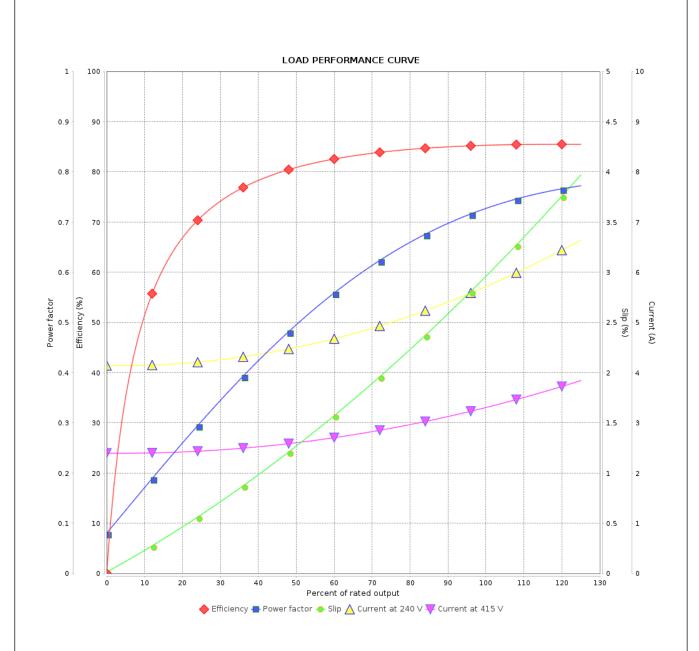


Performance : 230/400 V 50 H						
Rated current	: 5.	81/3.34 A	Moment of	of inertia (J)	: 0.0066 kgm	2
LRC	: 7.	4	Duty cycle	•	: S1	
Rated torque	: 1.	01 kgfm	Insulation	class	: F	
Locked rotor torq	ue : 29	90 %	Service fa	ictor	: 1.00	
Breakdown torqu	ie : 32	20 %	Temperat	Temperature rise		
Rated speed	: 14	150 rpm	Design		: N	
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Three Phase Induction Motor - Squirrel Cage



Customer : Astraprom d.o.o.

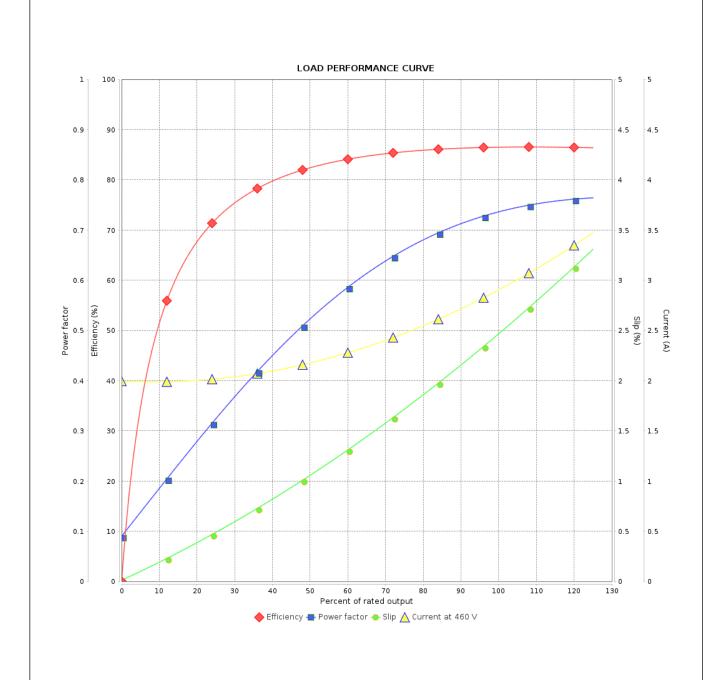


Performance	erformance : 240/415 V 50 Hz 4P					
Rated current LRC Rated torque Locked rotor torque Breakdown torque		.79/3.35 A .9 .00 kgfm 10 % 50 %	Duty cycle Insulation Service fa	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise		2
•		455 rpm	Design	•		
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Customer : Astraprom d.o.o.

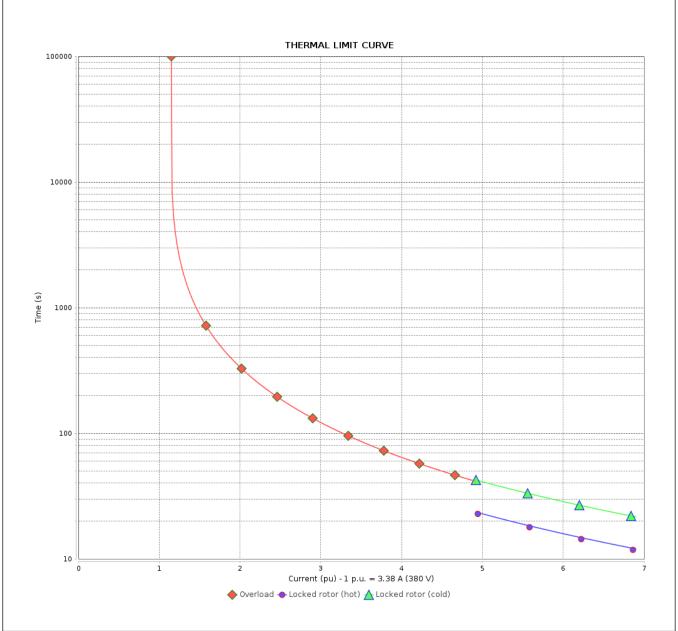


Performance	: 40	60 V 60 Hz 4P				
Rated current : 2.94 A LRC : 8.5		Moment o	Moment of inertia (J)			
Rated torque Locked rotor torque	: 0.	.832 kgfm 40 %	2 kgfm Insulation class		: S1 : F : 1.00	
Breakdown torque Rated speed		09 % 755 rpm	Temperature rise Design		: 80 K : N	
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Customer : Astraprom d.o.o.



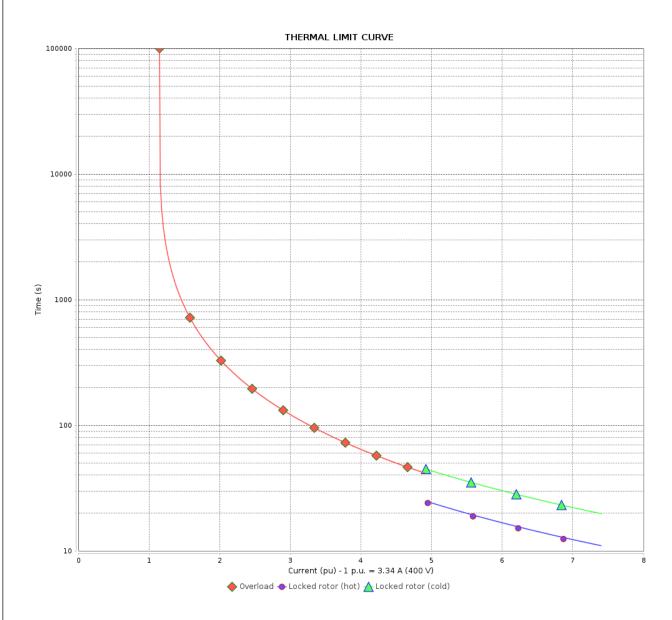
Performance	: 220/380 V 50 Hz 4P			
Rated current	: 5.84/3.38 A	Moment of inertia (J)	: 0.0066 kgm²	
LRC	: 6.9	Duty cycle	: S1	
Rated torque	: 1.01 kgfm	Insulation class	: F	
Locked rotor torque	: 260 %	Service factor	: 1.00	
Breakdown torque	: 300 %	Temperature rise	: 80 K	
Rated speed	: 1445 rpm	Design	: N	
Heating constant				

Cooling constant	[
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Three Phase Induction Motor - Squirrel Cage



Customer : Astraprom d.o.o.



Performance	: 230/400 V 50 Hz 4P		
Rated current	: 5.81/3.34 A	Moment of inertia (J)	: 0.0066 kgm²
LRC	: 7.4	Duty cycle	: S1
Rated torque	: 1.01 kgfm	Insulation class	: F
Locked rotor torque	: 290 %	Service factor	: 1.00
Breakdown torque	: 320 %	Temperature rise	: 80 K
Rated speed	: 1450 rpm	Design	: N
Heating constant			
Cooling constant			

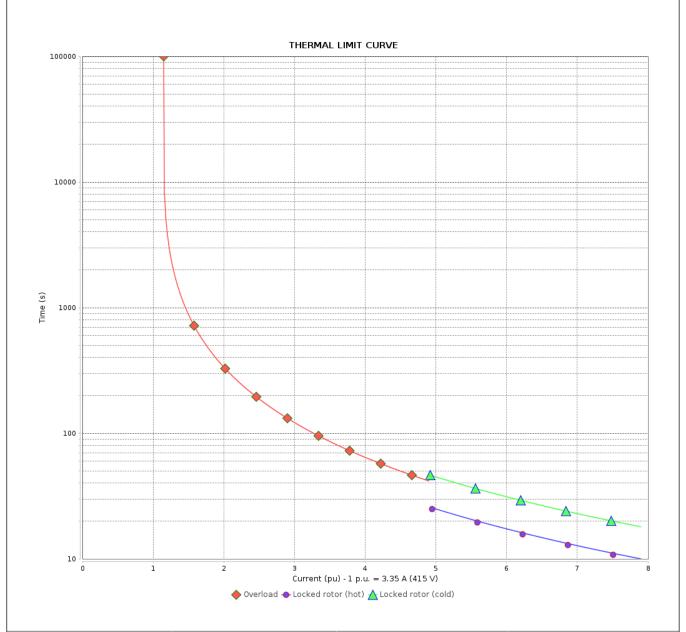
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Customer : Astraprom d.o.o.

Product line : W22 Product code : 12867461



Performance	: 240/415 V 50 Hz 4P			
Rated current LRC Rated torque Locked rotor torque	: 5.79/3.35 A : 7.9 : 1.00 kgfm : 310 %	Moment of inertia (J) Duty cycle Insulation class Service factor	: 0.0066 kgm² : S1 : F : 1.00	
Breakdown torque Rated speed Heating constant	: 350 % : 1455 rpm	Temperature rise Design	: 80 K : N	

 Cooling constant

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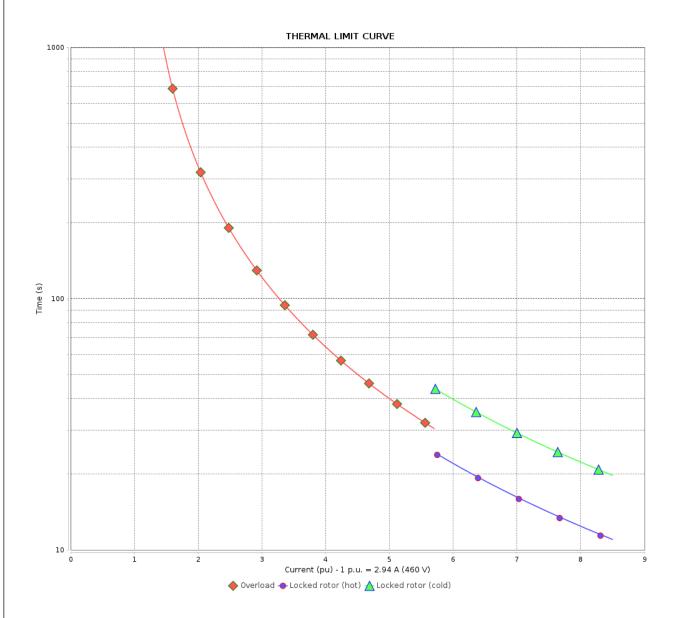
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Three Phase Induction Motor - Squirrel Cage



Customer : Astraprom d.o.o.

Product line : W22 Product code : 12867461



Performance : 460 V 60 Hz 4P : 2.94 A Moment of inertia (J) : 0.0066 kgm² Rated current **LRC** Duty cycle : S1 : 8.5 Insulation class : F Rated torque : 0.832 kgfm : 1.00 Locked rotor torque : 340 % Service factor : 409 % : 80 K Breakdown torque Temperature rise Rated speed : 1755 rpm Design : N Heating constant

Cooling constant	t					
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Three Phase Induction Motor - Squirrel Cage



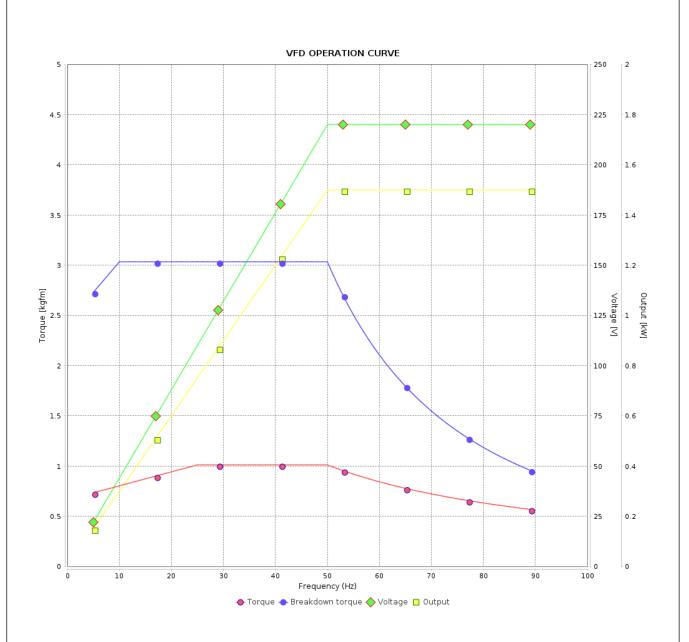
Customer : Astraprom d.o.o.

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Product line : W22 Product code : 12867461



			 				
Performance		: 220/380 V 50 Hz	4P				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed		: 5.84/3.38 A : 6.9 : 1.01 kgfm : 260 % : 300 % : 1445 rpm	Duty cy Insulat Service	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise		: 0.0066 kgm² : S1 : F : 1.00 : 80 K : N	
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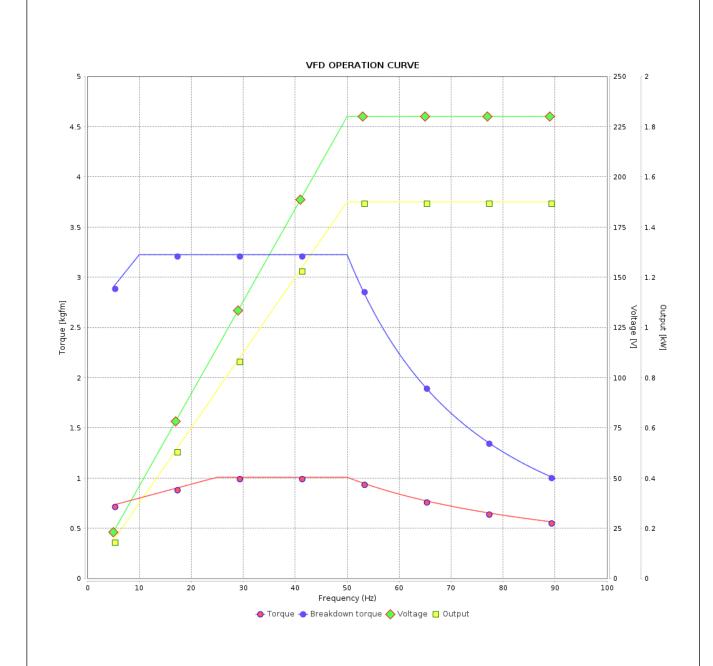
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Three Phase Induction Motor - Squirrel Cage



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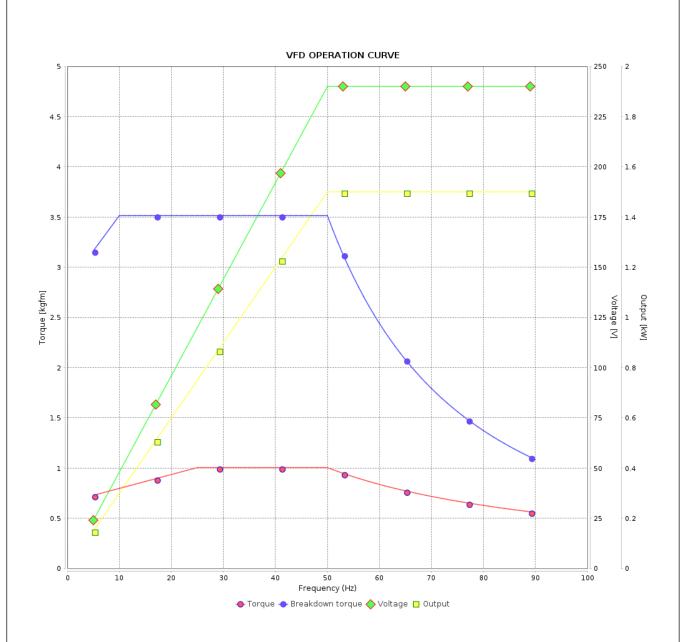
Performance		: 230/400 V 50 Hz 4P						
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed		81/3.34 A 4 01 kgfm 90 % 20 % 450 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 0.0066 kgm² : S1 : F : 1.00 : 80 K : N			
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Three Phase Induction Motor - Squirrel Cage



Customer : Astraprom d.o.o.

Product line : W22 Product code : 12867461



Performance	: 240/415 V 50 Hz 4P						
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 5.79/3.35 A : 7.9 : 1.00 kgfm : 310 % : 350 % : 1455 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 0.0066 kgm² : S1 : F : 1.00 : 80 K : N			
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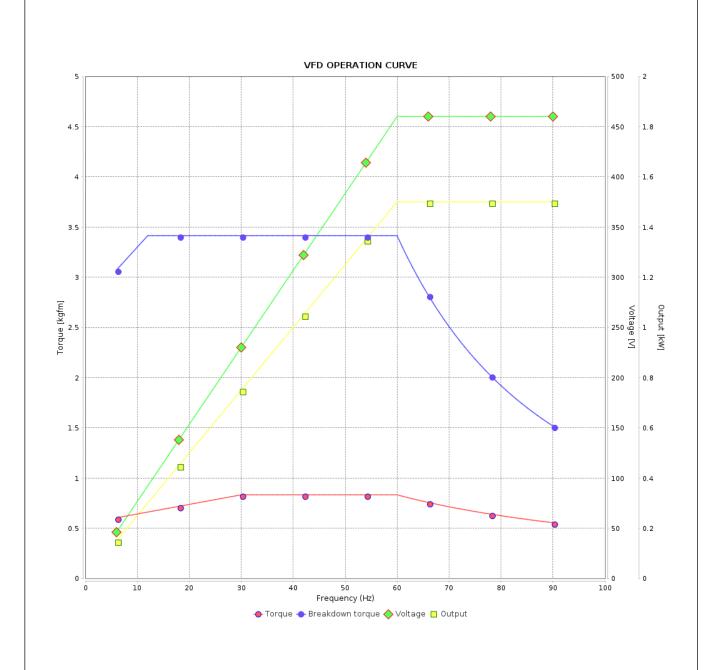
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Three Phase Induction Motor - Squirrel Cage



Customer : Astraprom d.o.o.



Performance		: 460 V 60 Hz 4P					
Rated current LRC Rated torque		: 2.94 A : 8.5 : 0.832 kgfm	Duty cycle	Moment of inertia (J) Duty cycle Insulation class		: 0.0066 kgm² : S1 : F	
Locked rotor torque Breakdown torque Rated speed		: 340 % : 409 % : 1755 rpm		Service factor : 1.00 Temperature rise : 80 K Design : N			
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