DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer

Customer	: As	traprom d.	0.0.							
Product line	: W22				I	Produc	ct code :	12868	3146	
Frame Insulation class Duty cycle Ambient tempera Altitude Protection degree Design		: 90S : F : S1 : -20°C t : 1000 m : IP55 : N	to +40°C n.a.s.l.		Cooling Mountin Rotation Starting Approx. Moment	g ₁ 1 metho weigh	od t³	: B5T : Both : Dire : 20.4	ı (CW a ct On L kg	and CCW) ine
Output [kW]			1.1	ı	1.1		1	.1		1 1
Poles			4		4					
Frequency [Hz]			50		50		5			
Rated voltage [V]		22	0/380		230/400		240			
Rated current [A]			8/2.42		4.16/2.39		4.08			
L. R. Amperes [A]	 		3/15.2		27.4/15.8		29.0			
LRC [A]			6.3	- 4	6.6		7.			
No load current [A	1		7/1.20	-	2.43/1.40		2.59			
Rated speed [RPI			1435	4	1445			50		
Slip [%]	vij		4.33		3.67		3.3		-	
Rated torque [kgfi	ml		1.747		0.741			39		
			210		229			50		
Locked rotor torque Breakdown torque			210 240		270			00		
	₹ [%]					-				
Service factor			1.00		1.00 80 K		1.0 80			
Temperature rise			30 K	00. (()			00	
Locked rotor time			d) 17s (hot)		cold) 16s (l	101)		15s (hot)		
Noise level ²	0.50/	49.0	O dB(A)	4	9.0 dB(A)		49.0	gR(A)		51.0 dB(A)
	25%		24.0		20.0					
Efficiency (%)	50%		84.0		83.0		82			
, , ,	75%		84.1		84.1		84		1 - TEFC (CW and CCW) of On Line kg 55 kgm² 1.1 4 60 460 2.07 16.4 7.9 1.30 1755 2.50 0.610 270 340 1.00 80 K 28s (cold) 16s (51.0 dB(A) 80.0 84.0 86.5 0.57 0.70 0.77 15.8 15.2 14.1 7.3 5.7 3.9 3.0 If of	
	100%	}	34.1		84.1		84	·.1		86.5
	25%									
Power Factor	50%		0.64		0.59			55		
1 01101 1 40101	75%		0.76		0.72		0.0			
	100%	(0.82		0.79		0.	77		0.77
Losses at norma	tive operating	points (sp	eed:torque). i	n percei	ntage of ra	ted ou	tout power			
		,9;1,0)	19.1	ро.оо.		9.1		19.1		15.8
		,5;1,0)	18.5			3.5		18.5		
		25;1,0)	17.1			7.1		17.1		
Losses (%)	•	,9;0,5)	8.8			.8		8.8		
200000 (70)		,5;0,5)	6.9			.9		6.9		
		5;0,25)	4.7			.7		4.7		
		25;0,25)	3.7			. <i>r</i> .7		3.7	-	
	1 7 (0,2						-l-	0.7		0.0
Bearing type Sealing		Drive 6205	5 ZZ 620	rive end 04 ZZ Seal	Foundati Max. trac Max. con	tion		: 49 kg : 69 kg		
Lubrication inter	val	: -	M	-		,		. 55	,	
Lubricant amour		: -		_						
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 subject ocess.	e shaft end	evious one, wh f +3dB(A).			ipply, s				
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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

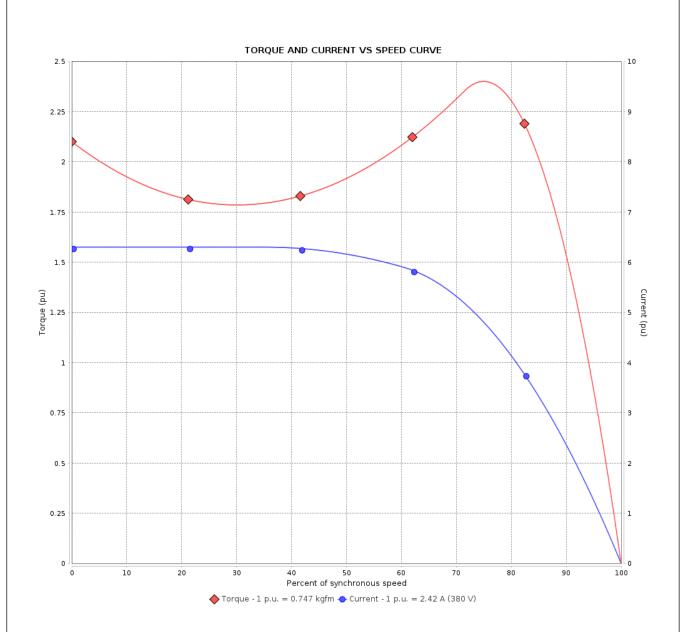
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Three Phase Induction Motor - Squirrel Cage



Customer : Astraprom d.o.o.

Product line : W22 Product code : 12868146



Performance : 220/380 V 50 Hz 4P Rated current : 4.18/2.42 A Moment of inertia (J) : 0.0055 kgm² **LRC** : 6.3 Duty cycle : S1 Rated torque : 0.747 kgfm Insulation class : F Service factor : 1.00 Locked rotor torque : 210 % : 80 K Breakdown torque : 240 % Temperature rise Rated speed : N : 1435 rpm Design

Locked rotor time : 30s (cold) 17s (hot)

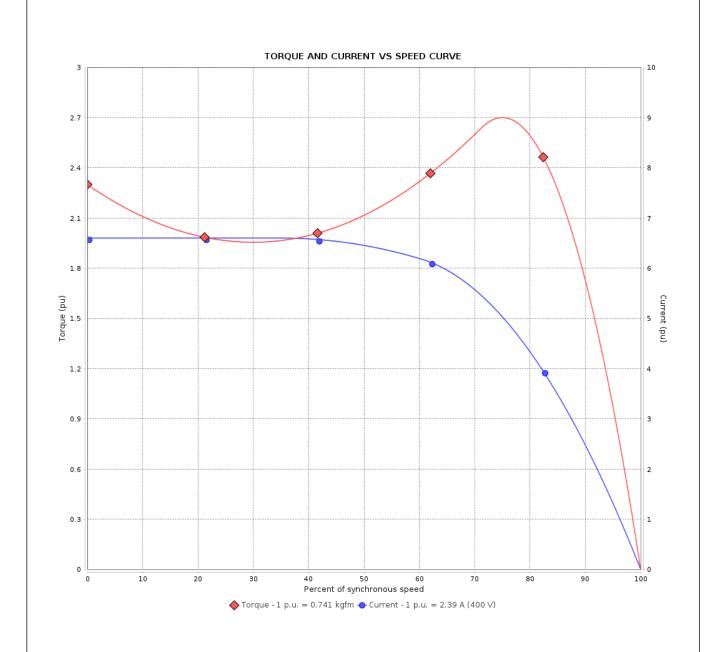
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Three Phase Induction Motor - Squirrel Cage



Customer : Astraprom d.o.o.

Product line : W22 Product code : 12868146



Performance	: 230/400 V 50 Hz 4P		
Rated current	: 4.16/2.39 A	Moment of inertia (J)	: 0.0055 kgm²
LRC	: 6.6	Duty cycle	: S1
Rated torque	: 0.741 kgfm	Insulation class	: F
Locked rotor torque	: 229 %	Service factor	: 1.00
Breakdown torque	: 270 %	Temperature rise	: 80 K
Rated speed	: 1445 rpm	Design	: N

Locked rotor time : 28s (cold) 16s (hot)

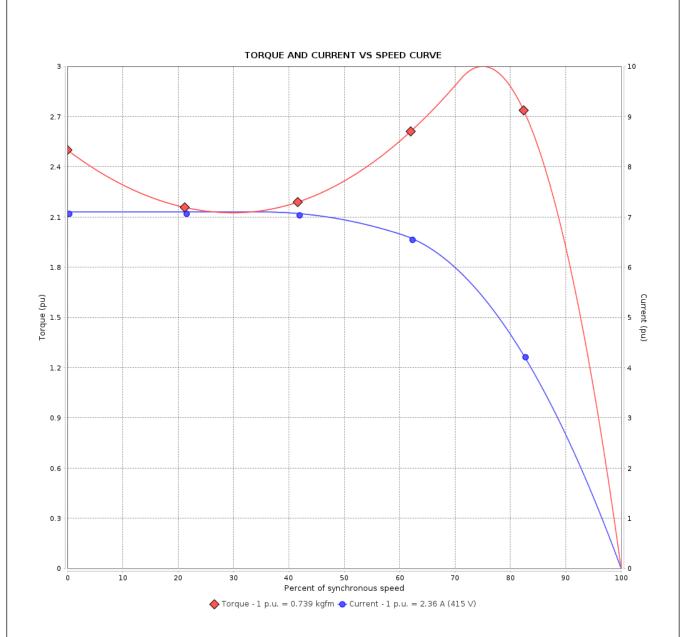
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Three Phase Induction Motor - Squirrel Cage



Customer : Astraprom d.o.o.

Product line : W22 Product code : 12868146



Performance : 240/415 V 50 Hz 4P Rated current : 4.08/2.36 A Moment of inertia (J) : 0.0055 kgm² **LRC** : 7.1 Duty cycle : S1 Rated torque : 0.739 kgfm Insulation class : F Service factor : 1.00 Locked rotor torque : 250 % : 80 K Breakdown torque : 300 % Temperature rise Rated speed : N : 1450 rpm Design

Locked rotor time : 27s (cold) 15s (hot)

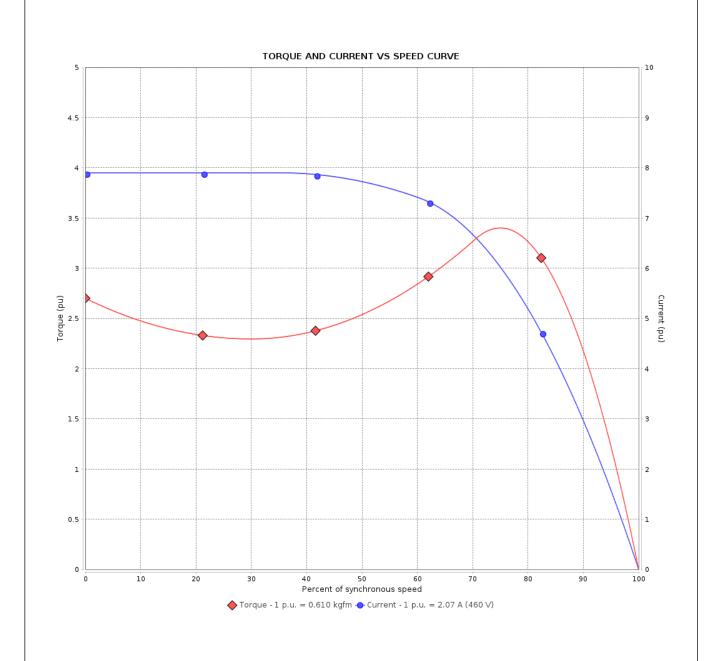
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Three Phase Induction Motor - Squirrel Cage



Customer : Astraprom d.o.o.

Product line : W22 Product code : 12868146



Performance	: 460 V 60 Hz 4P		·	
Rated current	: 2.07 A	Moment of inertia (J)	: 0.0055 kgm²	
LRC	: 7.9	Duty cycle	: S1	
Rated torque	: 0.610 kgfm	Insulation class	: F	
Locked rotor torque	: 270 %	Service factor	: 1.00	
Breakdown torque	: 340 %	Temperature rise	: 80 K	
Rated speed	: 1755 rpm	Design	: N	
Looked reter time	: 29a (aald) 16a (bat)			

Locked rotor time : 28s (cold) 16s (hot)

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Three Phase Induction Motor - Squirrel Cage



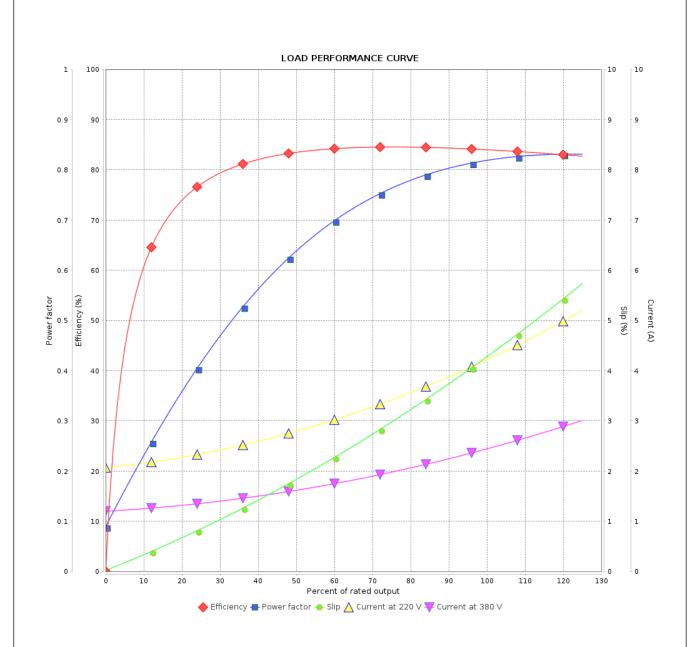
Customer : Astraprom d.o.o.

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Product line : W22 Product code : 12868146



Performance		: 220/380 V 50 Hz 4	.P			
Rated current LRC Rated torque Locked rotor tord Breakdown torqu Rated speed	jue ie	: 4.18/2.42 A : 6.3 : 0.747 kgfm : 210 % : 240 % : 1435 rpm	Moment Duty cyc Insulation Service f Tempera Design	n class actor	: 0.0055 kgm² : S1 : F : 1.00 : 80 K : N	
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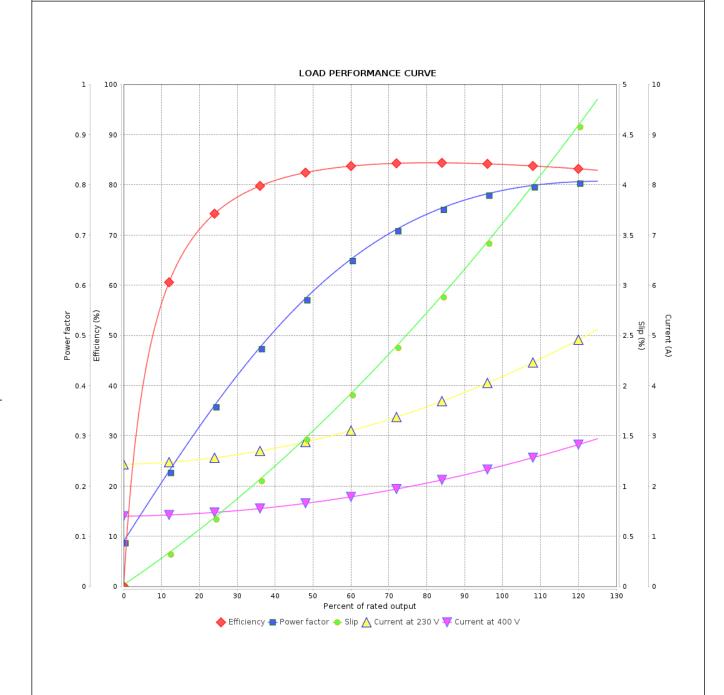
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Three Phase Induction Motor - Squirrel Cage



Customer : Astraprom d.o.o.



Performance	: 2	230/400 V 50 Hz 4P				
Rated current LRC Rated torque Locked rotor torque		9.16/2.39 A 9.6 9.741 kgfm 9.29 %	Moment of Duty cycle Insulation Service fa	class	: 0.0055 kgm² : S1 : F : 1.00	
Breakdown torqu Rated speed	akdown torque : 270 % Temperature rise		ure rise	: 80 K : N		
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Three Phase Induction Motor - Squirrel Cage



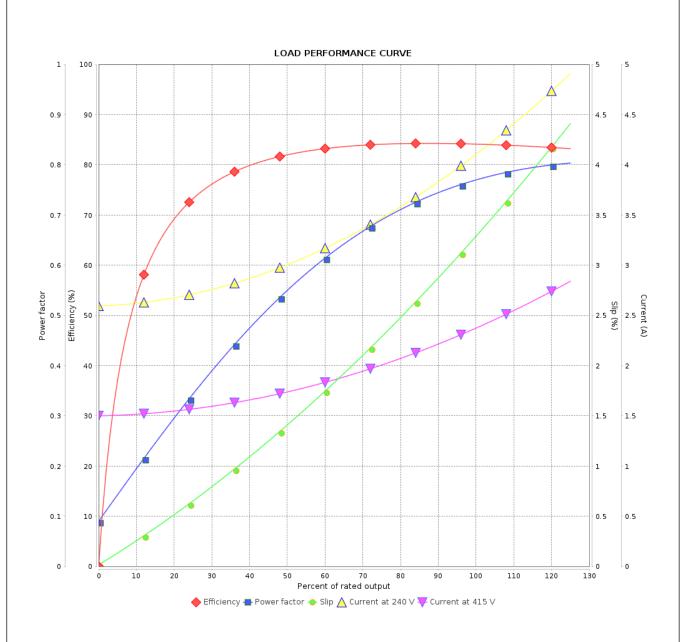
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Product line : W22 Product code : 12868146



Performance	:	240/415 V 50 Hz 4P				
Rated current LRC Rated torque Locked rotor tord Breakdown torqu Rated speed	ine :	4.08/2.36 A 7.1 0.739 kgfm 250 % 300 % 1450 rpm	Moment of Duty cycle Insulation Service fa Temperation	class ctor	: 0.0055 kgm² : S1 : F : 1.00 : 80 K : N	
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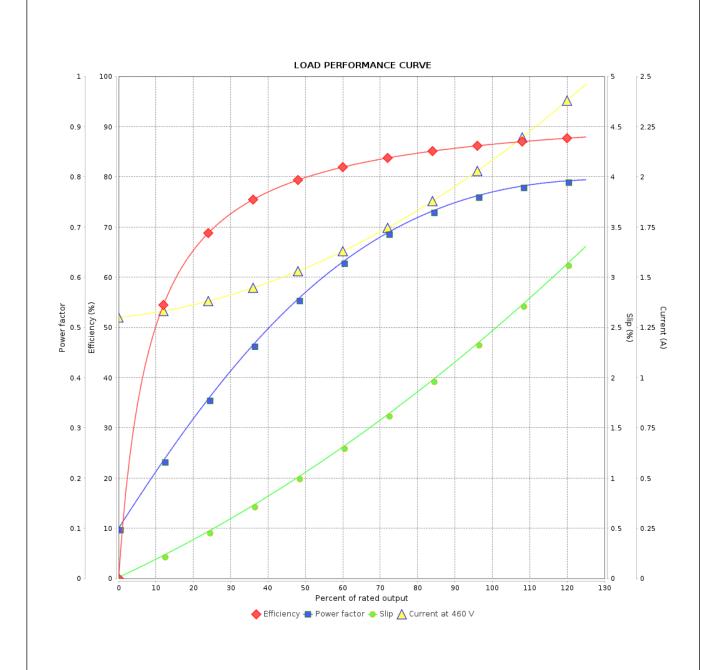
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Three Phase Induction Motor - Squirrel Cage



Customer : Astraprom d.o.o.



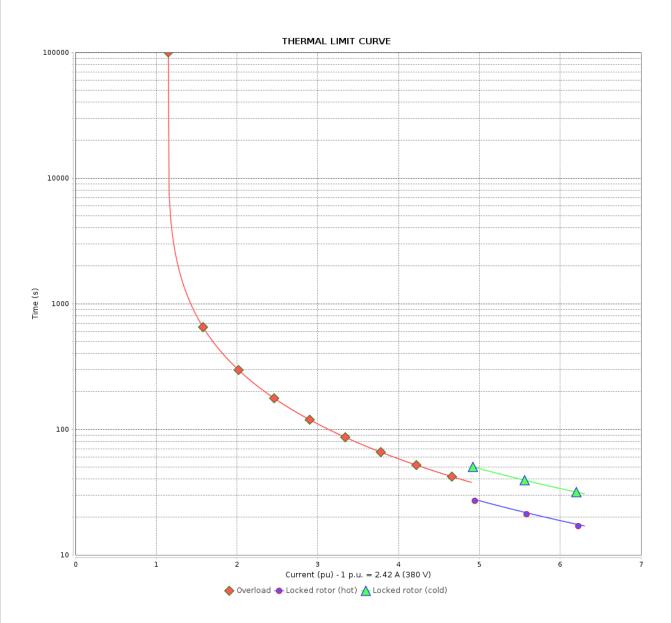
Performance	: 46	60 V 60 Hz 4P					
Rated current LRC Rated torque Locked rotor torque Breakdown torque		07 A 9 610 kgfm 70 % 40 %	Duty cycle Insulation Service fa	class ictor	: 0.0055 kgm² : S1 : F : 1.00 : 80 K		
Rated speed		: 340 % Temperature rise : 1755 rpm Design		ure rise	: N		
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Three Phase Induction Motor - Squirrel Cage



Customer : Astraprom d.o.o.

Product line : W22 Product code : 12868146



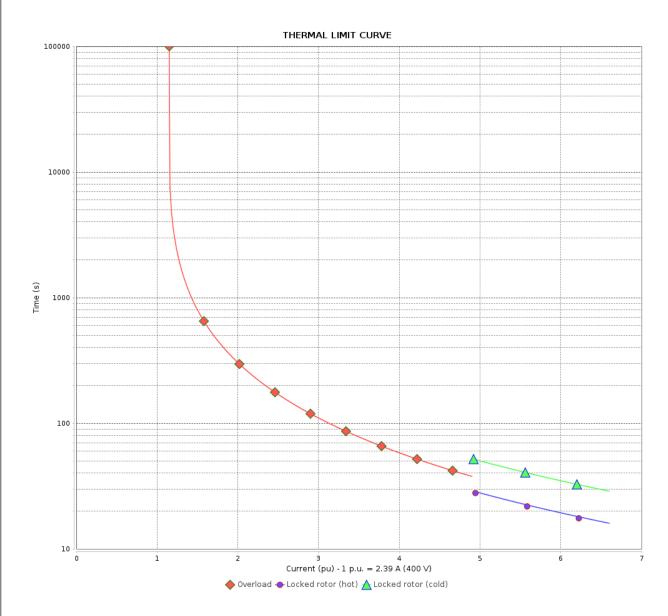
Performance : 220/380 V 50 Hz 4P Rated current : 4.18/2.42 A Moment of inertia (J) : 0.0055 kgm² **LRC** Duty cycle : S1 : 6.3 Insulation class : 0.747 kgfm : F Rated torque : 1.00 Locked rotor torque : 210 % Service factor Breakdown torque : 240 % Temperature rise : 80 K Rated speed : 1435 rpm Design 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 LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 4.16/2.39 A : 6.6 : 0.741 kgfm : 229 % : 270 % : 1445 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design	: 0.0055 kgm² : S1 : F : 1.00 : 80 K : N
Heating constant Cooling constant			

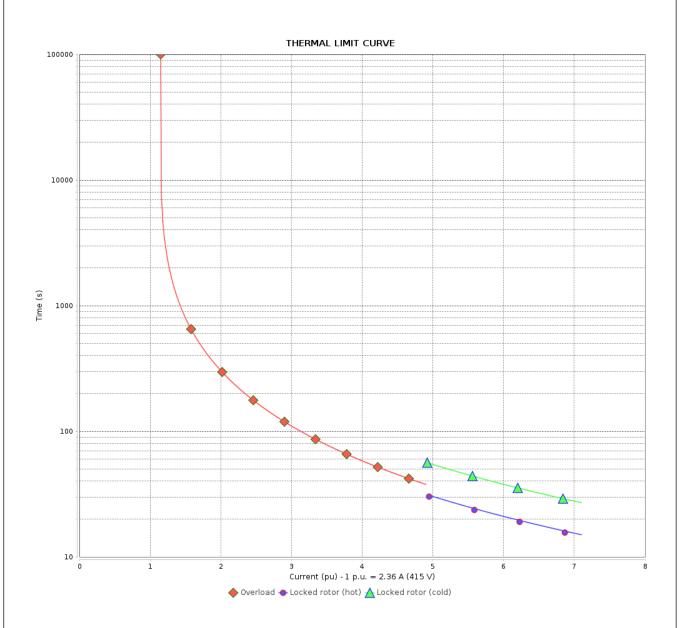
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Three Phase Induction Motor - Squirrel Cage



Customer : Astraprom d.o.o.

Product line : W22 Product code : 12868146



Performance : 240/415 V 50 Hz 4P Rated current : 4.08/2.36 A Moment of inertia (J) : 0.0055 kgm² **LRC** : 7.1 Duty cycle : S1 Insulation class : 0.739 kgfm : F Rated torque : 250 % : 1.00 Locked rotor torque Service factor Breakdown torque : 300 % Temperature rise : 80 K Rated speed : 1450 rpm Design Heating constant Cooling constant

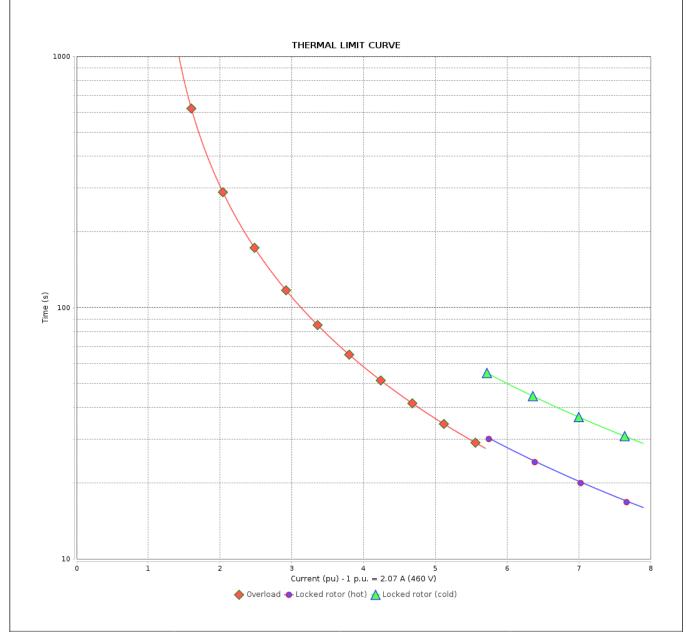
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Three Phase Induction Motor - Squirrel Cage



Customer : Astraprom d.o.o.

Product line : W22 Product code: 12868146



Performance : 460 V 60 Hz 4P Rated current : 2.07 A Moment of inertia (J) : 0.0055 kgm² **LRC** : 7.9 Duty cycle : S1 Insulation class : F Rated torque : 0.610 kgfm : 1.00 Locked rotor torque : 270 % Service factor Breakdown torque : 340 % : 80 K Temperature rise Rated speed : 1755 rpm Design : N Heating constant

Cooling constan	L				
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Three Phase Induction Motor - Squirrel Cage



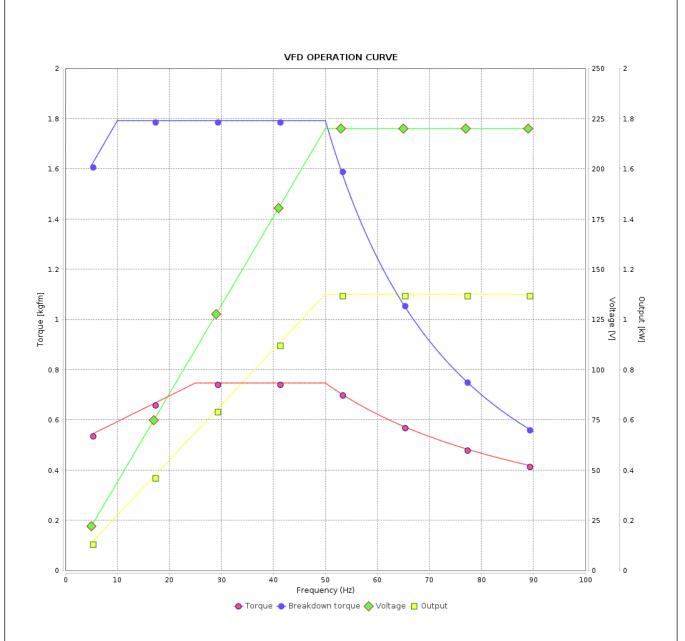
Customer : Astraprom d.o.o.

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Product line : W22 Product code : 12868146



Performance	: 220/380 V 50 Hz 4P				
Rated current LRC Rated torque Locked rotor tord Breakdown torqu Rated speed	: 4.18/2.42 A : 6.3 : 0.747 kgfm : 210 % : 240 % : 1435 rpm	Moment of Duty cycle Insulation Service fa Temperat Design	class actor	: 0.0055 kgm² : S1 : F : 1.00 : 80 K : N	
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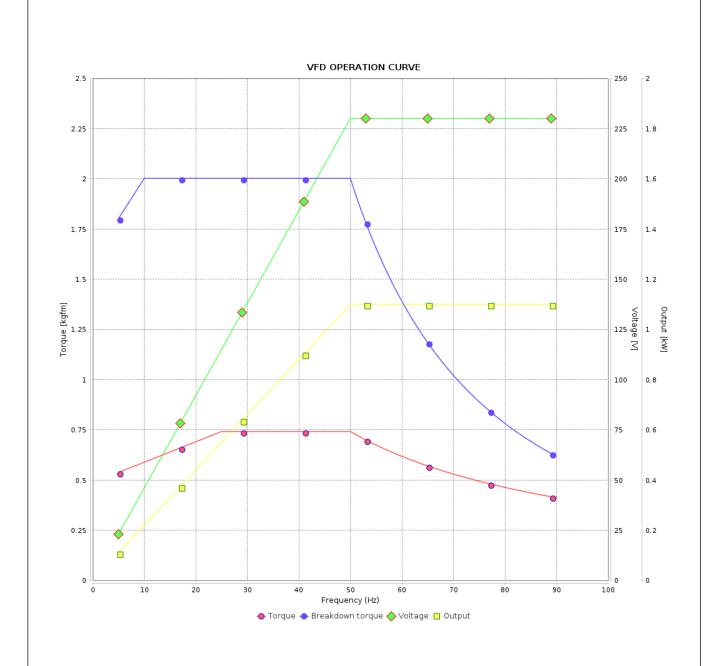
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Three Phase Induction Motor - Squirrel Cage



Customer : Astraprom d.o.o.



Performance	: 2	30/400 V 50 Hz 4P				
Rated current		.16/2.39 A	Moment o	of inertia (J)	: 0.0055 kgm²	
LRC	: 6	.6	Duty cycle	9	: S1	
Rated torque	: 0	.741 kgfm	Insulation	class	: F	
Locked rotor tord	ked rotor torque : 229 % Service factor		ictor	: 1.00	: 1.00	
Breakdown torqu	ue : 2	70 %	Temperati	Temperature rise : 80 K		
Rated speed	: 1	445 rpm	Design		: N	
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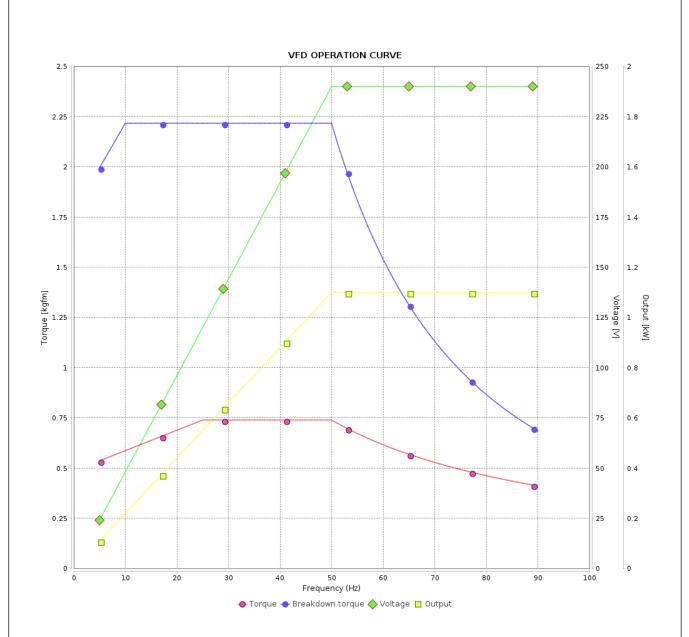
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Product line : W22 Product code : 12868146



	- I					
Performance	::	240/415 V 50 Hz 4P				
Rated current LRC Rated torque Locked rotor tord Breakdown torqu Rated speed	jue ::	4.08/2.36 A 7.1 0.739 kgfm 250 % 300 % 1450 rpm	Moment of Duty cycle Insulation Service fa Temperation	class ctor	: 0.0055 kgm² : S1 : F : 1.00 : 80 K : N	
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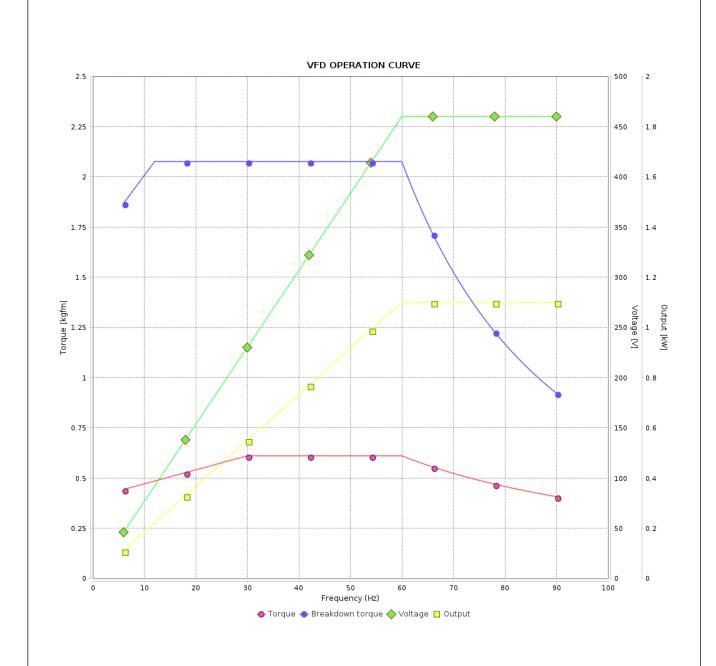
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Three Phase Induction Motor - Squirrel Cage



Customer : Astraprom d.o.o.



Performance		60 V 60 Hz 4P				
Rated current	: 2	.07 A	Moment of inertia (J)		: 0.0055 kgm²	!
LRC		.9	Duty cycle	Duty cycle		
Rated torque	: 0.	.610 kgfm Insulation class		: F		
Locked rotor torq	ue : 2	70 %	Service factor		: 1.00	
Breakdown torqu	e : 34	40 %	Temperature rise		: 80 K	
Rated speed	: 1	755 rpm	Design	Design		
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