DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer	: As	traprom d.o	0.0.							
Product line	: IE3 T	hree-Phas	e			Produ	ct code :	12868	208	
Frame Insulation class Duty cycle Ambient temper Altitude Protection degree		: 100L : F : S1 : -20°C t : 1000 m : IP55 : N			Cooling Mountin Rotation Starting Approx. Moment	ig n¹ metho weigh	od nt³	: B5T : Both : Direc : 34.3	(CW et On kg	and CCW) Line
Output [kW]			2.2	I	2.2		2	.2		2.2
Poles			4		4			1		4
Frequency [Hz]			50		50			0		60
Rated voltage [V]			0/380		230/400			/415		460
Rated current [A]			2/4.76		3.03/4.62			/4.56		4.06
L. R. Amperes [A]	<u> </u>		8/35.2		32.7/36.0		64.7			
				,						
LRC [A]	\1		7.4		7.8		8.			9.0
No load current [A	-		0/2.20	4	4.17/2.40		4.50			2.20
Rated speed [RPI	IVIJ		430		1435			40		1745
Slip [%]			1.67		4.33			00		3.06
Rated torque [kgf			1.50		1.49			49		1.23
Locked rotor torqu			310		350			30		409
Breakdown torque	e [%]		290		340			70		400
Service factor			1.00		1.00			00		1.00
Temperature rise			80 K		80 K			K		80 K
Locked rotor time			d) 18s (hot)		cold) 18s (hot)		18s (hot)	32s	(cold) 18s (hot)
Noise level ²		53.0) dB(A)	5	3.0 dB(A)		53.0	dB(A)		54.0 dB(A)
	25%									
Efficiency (0/)	50%	8	37.2		86.5		85	5.7		84.0
Efficiency (%)	75%	8	37.1		87.0		86	6.8	#11 - TEFC T th (CW and Crect On Line 3 kg 1090 kgm² 2.4 66 4.6 4.6 36 9. 2.5 177 3.6 40 40 40 1.6 80 32s (cold) 54.0 c 84 86 89 0.5 0.6 0.7	86.5
	100%	8	36.7		87.0		87	7.2	B5T Both (CW Direct On I 34.3 kg 0.0090 kgr ot) 32s ot) 32s on tests wi ances stipu	89.5
	25%									
	50%	C	0.62		0.59		0.:	55		0.55
Power Factor	75%	C).75		0.72		0.0	68		0.68
	100%	1).81		0.79			77		0.76
1		1				1				
Losses at norma				n percei			itput power			44.0
		,9;1,0)	14.8			4.4		14.2		11.3
		,5;1,0)	13.4			3.1		12.8		10.3
		25;1,0)	13.6			3.2		13.0		10.4
Losses (%)		,9;0,5)	6.5			5.3		6.2		4.9
		,5;0,5)	4.8			.7		4.6		3.7
		5;0,25)	3.0			2.9		2.9		2.3
	P7 (0,2	25;0,25)	2.3		2	2.2		2.2		1.7
Bearing type Sealing Lubrication inter Lubricant amour		Drive 6 6206 : Oil S : - :	5 ZZ 620	rive end 05 ZZ Seal - -	Foundati Max. trac Max. cor	ction		: 105 k : 139 k		
Lubricant type		· M	obil Polyrex E	-M						
		. 141	- Olylox L	*'						
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 subjectocess.	shaft end.	f +3dB(A).	nich		upply, s				
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Three Pha	se Induction Motor - Squirrel Cage	;		ШЕЦ
Customer	: Astraprom d.o.o.			
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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

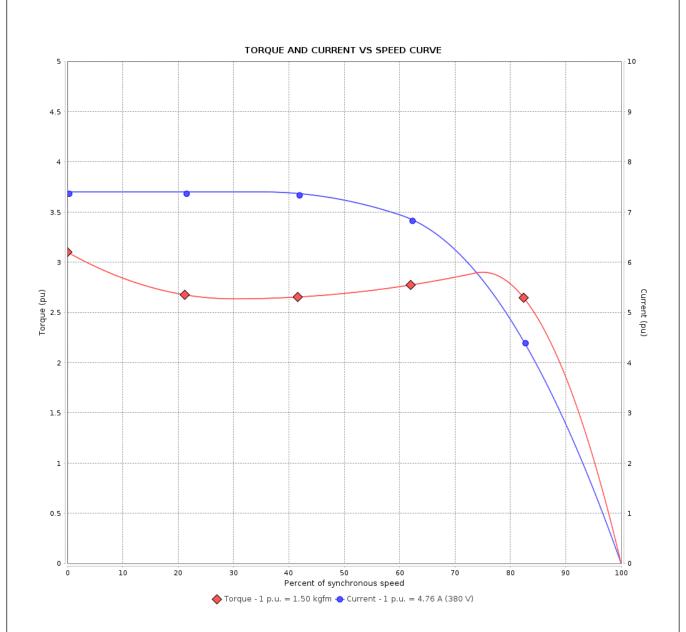
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Three Phase Induction Motor - Squirrel Cage



Customer : Astraprom d.o.o.

Product line : IE3 Three-Phase Product code : 12868208



Performance : 220/380 V 50 Hz 4P Rated current : 8.22/4.76 A Moment of inertia (J) : 0.0090 kgm² **LRC** : 7.4 Duty cycle : S1 Rated torque : 1.50 kgfm Insulation class : F : 310 % Service factor : 1.00 Locked rotor torque : 80 K Breakdown torque : 290 % Temperature rise Rated speed : N : 1430 rpm Design

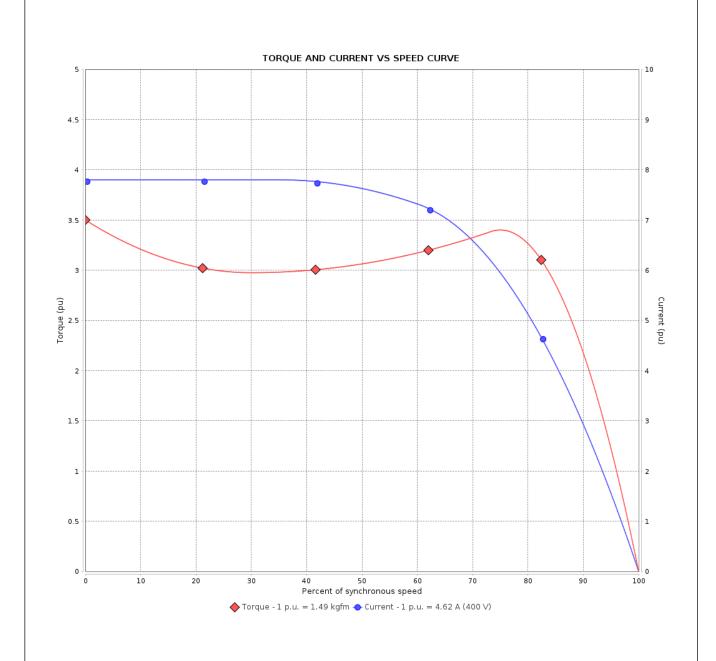
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Three Phase Induction Motor - Squirrel Cage



Customer : Astraprom d.o.o.

Product line : IE3 Three-Phase Product code : 12868208



Performance	: 230/400 V 50 Hz 4P		
Rated current	: 8.03/4.62 A	Moment of inertia (J)	: 0.0090 kgm²
LRC	: 7.8	Duty cycle	: S1
Rated torque	: 1.49 kgfm	Insulation class	: F
Locked rotor torque	: 350 %	Service factor	: 1.00
Breakdown torque	: 340 %	Temperature rise	: 80 K
Rated speed	: 1435 rpm	Design	: N

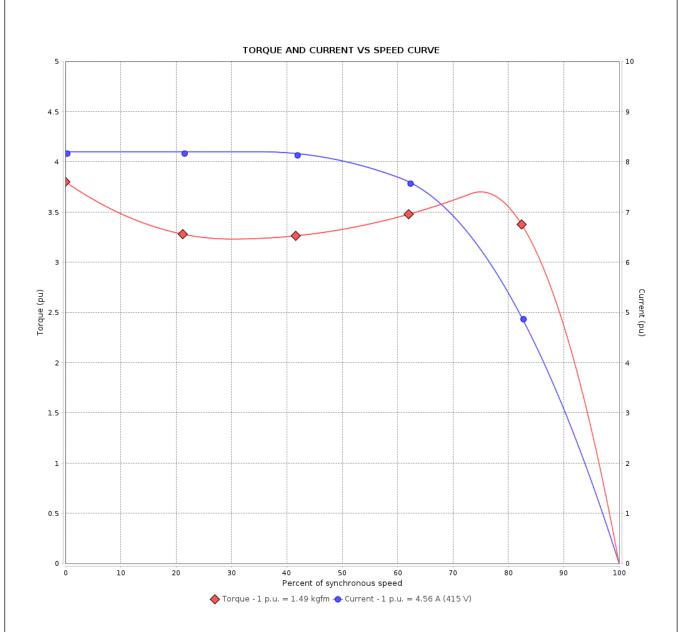
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Three Phase Induction Motor - Squirrel Cage



Customer : Astraprom d.o.o.

Product line : IE3 Three-Phase Product code : 12868208



Performance : 240/415 V 50 Hz 4P Rated current : 7.89/4.56 A Moment of inertia (J) : 0.0090 kgm² **LRC** : 8.2 Duty cycle : S1 Rated torque : 1.49 kgfm Insulation class : F : 380 % Service factor : 1.00 Locked rotor torque : 80 K Breakdown torque : 370 % Temperature rise Rated speed : N : 1440 rpm Design

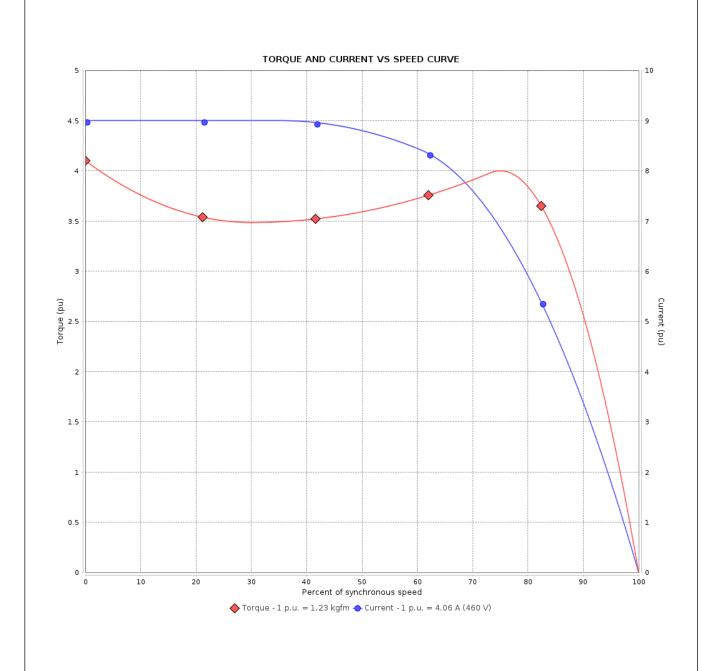
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Three Phase Induction Motor - Squirrel Cage



Customer : Astraprom d.o.o.

Product line : IE3 Three-Phase Product code : 12868208



Performance	: 460 V 60 Hz 4P			
Rated current	: 4.06 A	Moment of inertia (J)	: 0.0090 kgm²	
LRC	: 9.0	Duty cycle	: S1	
Rated torque	: 1.23 kgfm	Insulation class	: F	
Locked rotor torque	: 409 %	Service factor	: 1.00	
Breakdown torque	: 400 %	Temperature rise	: 80 K	
Rated speed	: 1745 rpm	Design	: N	

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Three Phase Induction Motor - Squirrel Cage



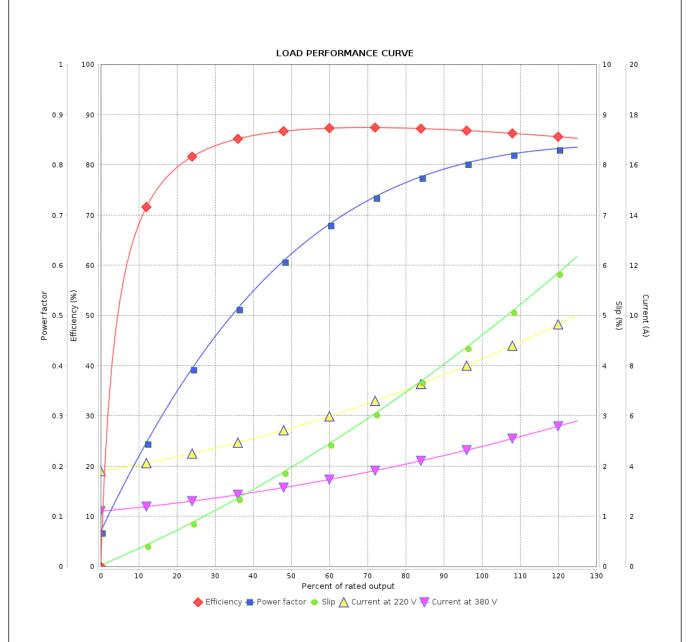
Customer : Astraprom d.o.o.

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Date

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Product line : IE3 Three-Phase Product code : 12868208



Performance		: 220/380 V 50 Hz	: 4P				
Rated current LRC Rated torque Locked rotor tord Breakdown torqu Rated speed	•	: 8.22/4.76 A : 7.4 : 1.50 kgfm : 310 % : 290 % : 1430 rpm	D In Sc	loment of outy cycle osulation ervice face emperaturesign	class ctor	: 0.0090 kgm : S1 : F : 1.00 : 80 K : N	2
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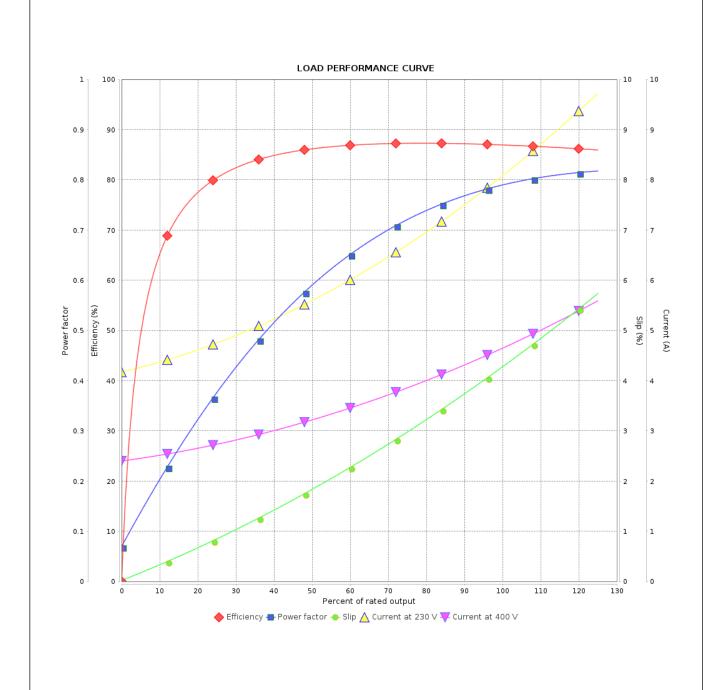
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Three Phase Induction Motor - Squirrel Cage



Customer : Astraprom d.o.o.

Product line : IE3 Three-Phase Product code : 12868208



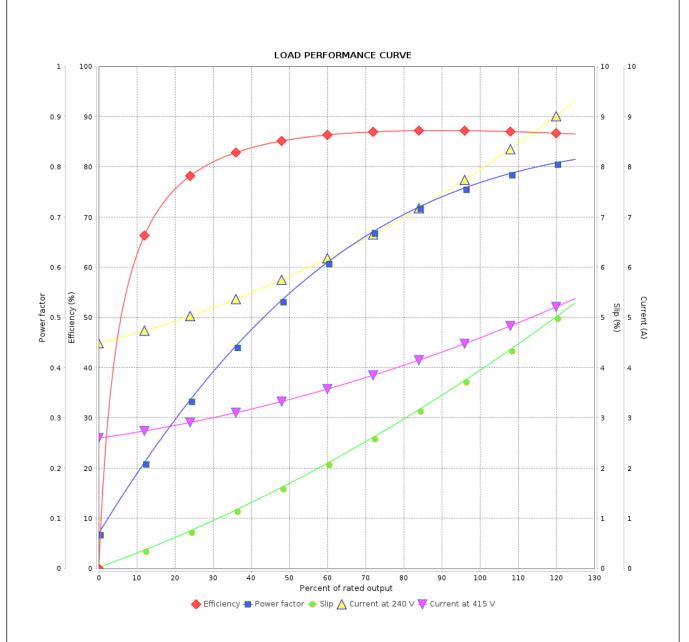
Performance	:	230/400 V 50 Hz 4P				
Rated current	:	8.03/4.62 A	Moment of inertia (J)		: 0.0090 kgm	2
LRC	:	7.8	Duty cycle	;	: S1	
Rated torque	:	1.49 kgfm	Insulation	class	: F	
Locked rotor toro	jue :	350 %	Service fa	ctor	: 1.00	
Breakdown torqu	ie :	340 %	Temperati	Temperature rise		
Rated speed	:	1435 rpm	Design		: N	
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Three Phase Induction Motor - Squirrel Cage



: Astraprom d.o.o.

Product line : IE3 Three-Phase Product code: 12868208



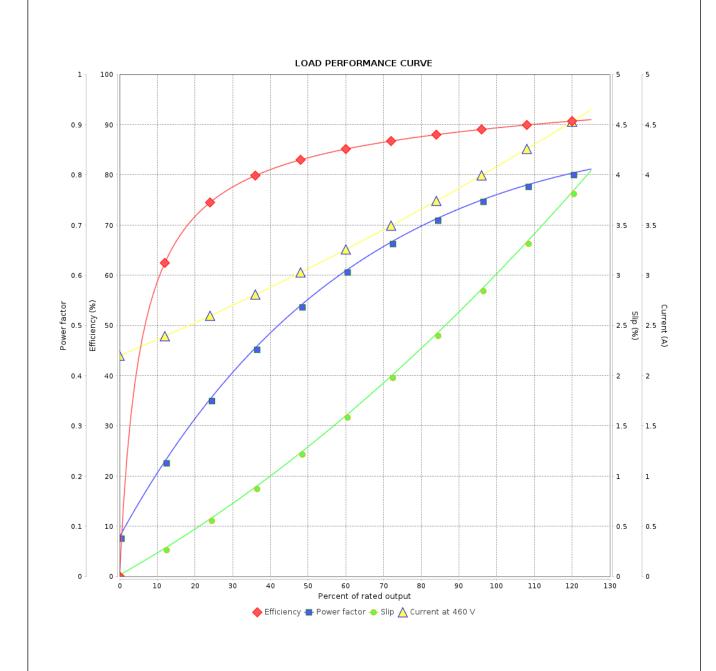
Danfarmana		140/44E \ / EO - 4D				
Performance	. 2	240/415 V 50 Hz 4P	Г			
Rated current	ated current : 7.89/4.56 A Moment of inertia (J)		: 0.0090 kgm²			
LRC	: 8	3.2	Duty cycle	e	: S1	
Rated torque	: 1	.49 kgfm	Insulation	class	: F	
Locked rotor torq	ue : 3	80 %	Service fa	ictor	: 1.00	
•		370 %	Temperature rise		: 80 K	
Rated speed	: 1	440 rpm	Design		: N	
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Three Phase Induction Motor - Squirrel Cage



Customer : Astraprom d.o.o.

Product line : IE3 Three-Phase Product code : 12868208



Performance	: 460 V 60 Hz 4P				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 4.06 A : 9.0 : 1.23 kgfm : 409 % : 400 % : 1745 rpm	Moment of ir Duty cycle Insulation cla Service facto Temperature Design	ass or	: 0.0090 kgm² : S1 : F : 1.00 : 80 K : N	
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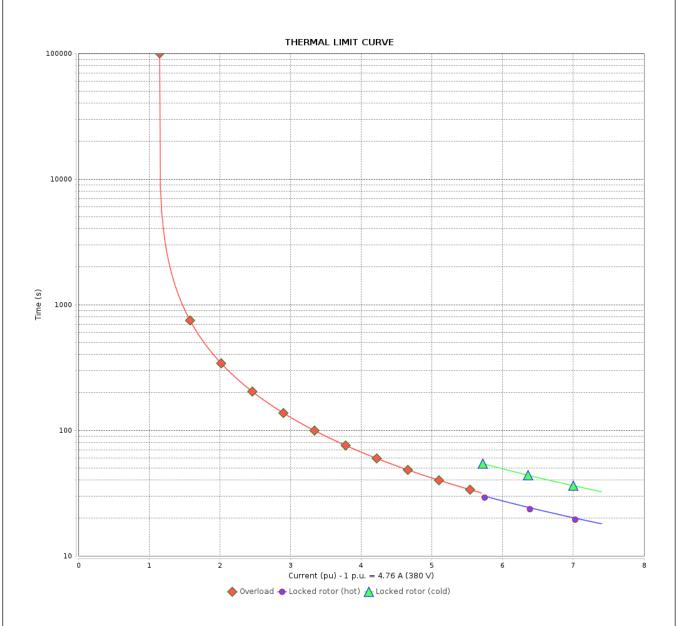
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Three Phase Induction Motor - Squirrel Cage



Customer : Astraprom d.o.o.

Product line : IE3 Three-Phase Product code : 12868208



Performance : 220/380 V 50 Hz 4P Rated current : 8.22/4.76 A Moment of inertia (J) : 0.0090 kgm² **LRC** : 7.4 Duty cycle : S1 Insulation class : F Rated torque : 1.50 kgfm : 310 % : 1.00 Locked rotor torque Service factor Breakdown torque : 290 % Temperature rise : 80 K Rated speed : 1430 rpm Design Heating constant

Heating constant Cooling constant

J					
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Three Phase Induction Motor - Squirrel Cage

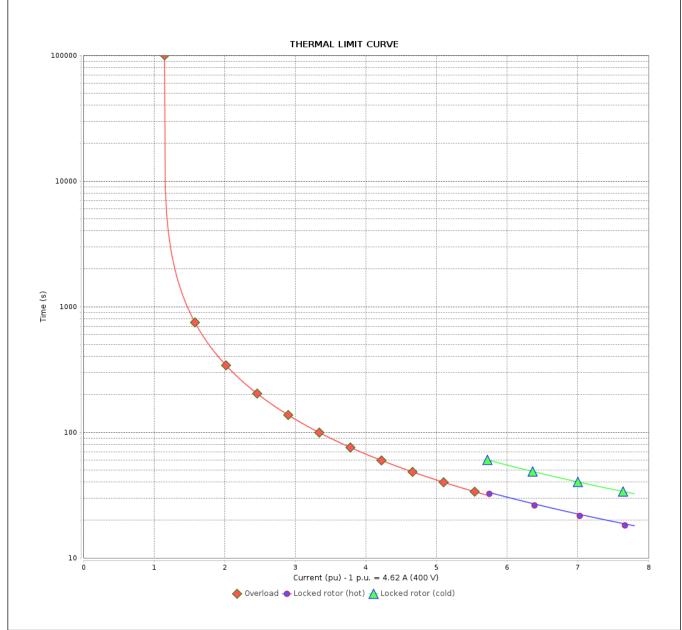


Customer : Astraprom d.o.o.

Checked by

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Product line : IE3 Three-Phase Product code: 12868208



Performance : 230/400 V 50 Hz 4P : 8.03/4.62 A Moment of inertia (J) : 0.0090 kgm² Rated current **LRC** Duty cycle : S1 : 7.8 Insulation class : F Rated torque : 1.49 kgfm Locked rotor torque : 350 % Service factor : 1.00 Breakdown torque : 340 % : 80 K Temperature rise Rated speed : 1435 rpm Design : N Heating constant Cooling constant

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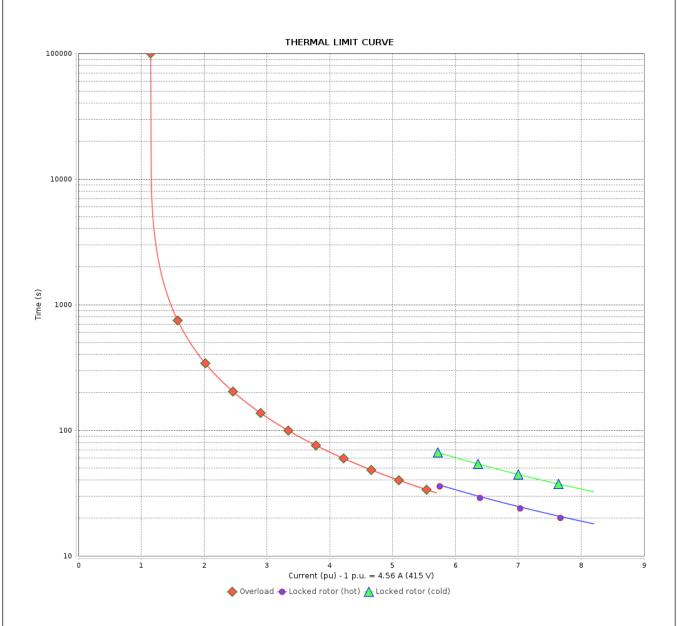
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Three Phase Induction Motor - Squirrel Cage



Customer : Astraprom d.o.o.

Product line : IE3 Three-Phase Product code : 12868208



Performance : 240/415 V 50 Hz 4P Rated current : 7.89/4.56 A Moment of inertia (J) : 0.0090 kgm² **LRC** : 8.2 Duty cycle : S1 Insulation class : F Rated torque : 1.49 kgfm : 380 % : 1.00 Locked rotor torque Service factor Breakdown torque : 370 % Temperature rise : 80 K Rated speed : 1440 rpm Design Heating constant Cooling constant

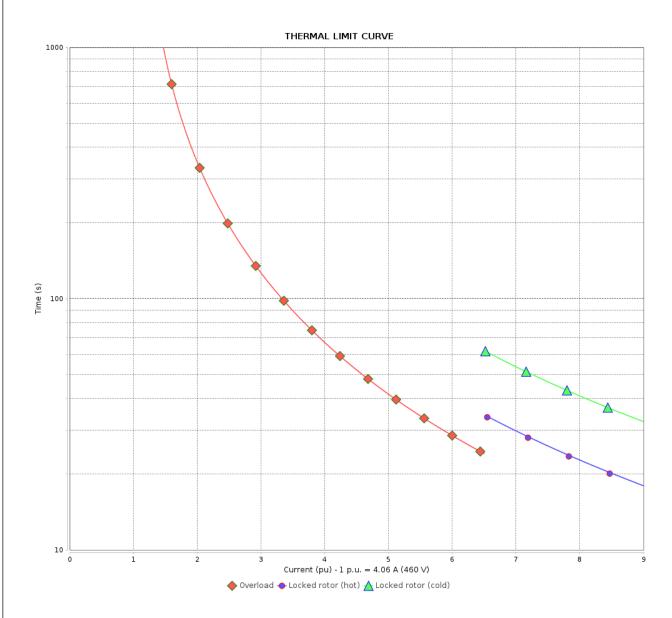
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Three Phase Induction Motor - Squirrel Cage



Customer : Astraprom d.o.o.

Product line : IE3 Three-Phase Product code : 12868208



: 460 V 60 Hz 4P Performance Rated current : 4.06 A Moment of inertia (J) : 0.0090 kgm² LRC : 9.0 Duty cycle : S1 Insulation class Rated torque : F : 1.23 kgfm Locked rotor torque : 409 % : 1.00 Service factor Temperature rise Breakdown torque : 400 % : 80 K Rated speed : 1745 rpm Design Heating constant

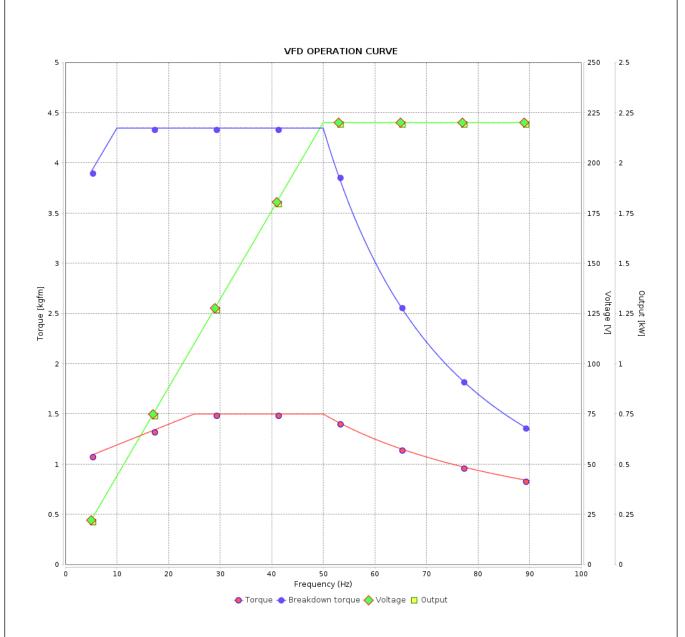
Cooling constan	t				
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Three Phase Induction Motor - Squirrel Cage



Customer : Astraprom d.o.o.

Product line : IE3 Three-Phase Product code : 12868208



Performance	: 220/380 V 50 Hz 4P				
Rated current : 8.22/4.76 A		Moment of inertia (J)		: 0.0090 kgm²	2
LRC	: 7.4	Duty cycle)	: S1	
Rated torque : 1.50 kgfm		Insulation	class	: F	
Locked rotor torque	: 310 %	Service factor		: 1.00	
Breakdown torque	: 290 %	Temperature rise		: 80 K	
Rated speed	: 1430 rpm	Design		: N	
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Three Phase Induction Motor - Squirrel Cage



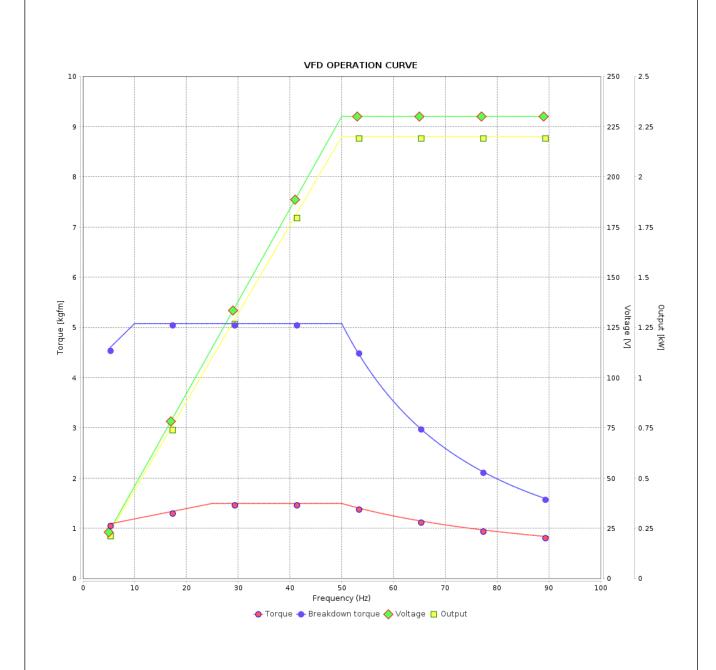
Customer : Astraprom d.o.o.

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Product line : IE3 Three-Phase Product code : 12868208



Performance	: 230/400 V 50 Hz 4P				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed		Moment of Duty cycle Insulation Service fa Temperate Design	class ctor	: 0.0090 kgm² : S1 : F : 1.00 : 80 K : N	
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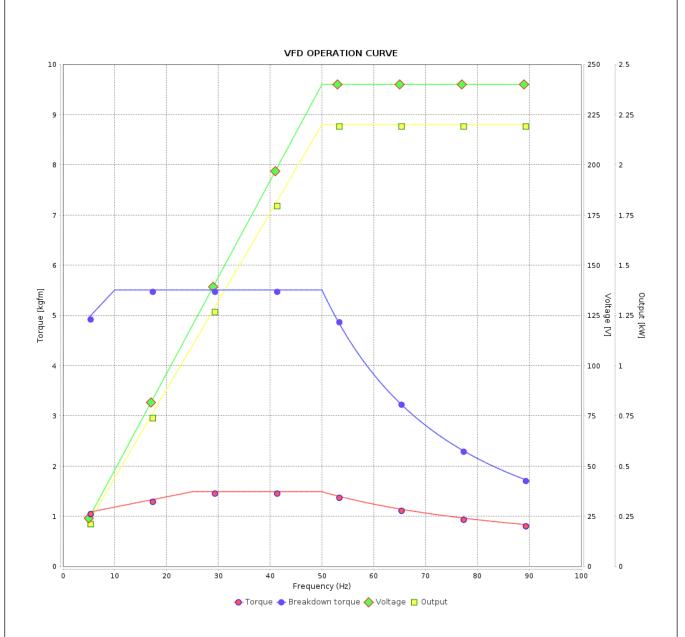
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Three Phase Induction Motor - Squirrel Cage



Customer : Astraprom d.o.o.

Product line : IE3 Three-Phase Product code : 12868208



Performance	: 240/415 V 50 Hz 4P			
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 7.89/4.56 A : 8.2 : 1.49 kgfm : 380 % : 370 % : 1440 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design	: 0.0090 kgm² : S1 : F : 1.00 : 80 K : N	
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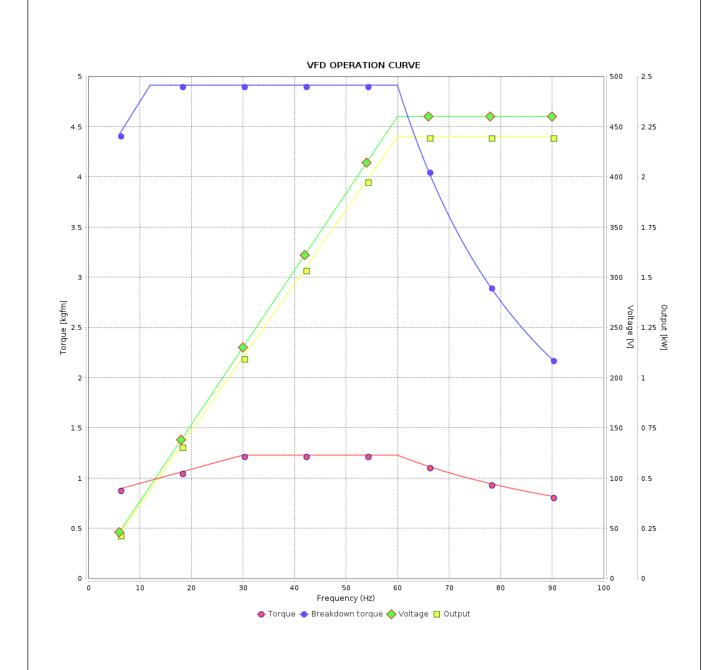
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Three Phase Induction Motor - Squirrel Cage



Customer : Astraprom d.o.o.

Product line : IE3 Three-Phase Product code : 12868208



Performance	: 460 V 60 Hz 4P				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 4.06 A : 9.0 : 1.23 kgfm : 409 % : 400 % : 1745 rpm	Moment of Duty cycle Insulation Service fa Temperatu Design	class	: 0.0090 kgm² : S1 : F : 1.00 : 80 K : N	:
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