# DATA SHEET

### Three Phase Induction Motor - Squirrel Cage



Customer : Astraprom d.o.o.

Customer	: As	traprom d.o	0.0.							
Product line	: W22	IE3 Three-	Phase			Product co	de :	128856	54	
Frame Insulation class Duty cycle Ambient tempera Altitude Protection degree		: 200L : F : S1 : -20°C t : 1000 m : IP55 : N	o +40°C n.a.s.l.		Approx.	g n¹ method	J)	: IC411 : B35T : Both ( : Direct : 274 kg : 0.320	CW a On L	nd CCW) ine
Output [kW]			30		30		30			30
Poles			4		4		4			4
Frequency [Hz]			50		50		50			60
Rated voltage [V]		38	0/660		400/690		415			460
Rated current [A]			0/33.4		57.1/33.1		56.4			50.0
L. R. Amperes [A]			3/244		428/248		440			415
LRC [A]			7.3		7.5		7.8			8.3
No load current [A	.1		7.3 5/14.1		7.5 27.0/15.7		29.3			25.6
			480	4	1480					1785
Rated speed [RPI	vij	1	400		1480		148	υ		1700
Slip [%]	1		10.7		40.7		40.	7		10.4
Rated torque [kgfr			19.7		19.7		19.			16.4
Locked rotor torqu			250		280		300			340
Breakdown torque	: [%]		280		310		340			350
Service factor			1.00		1.00		1.00			1.00
Temperature rise		3	30 K		80 K		80 I	<		80 K
Locked rotor time										
Noise level <sup>2</sup>		63.0	) dB(A)	6	3.0 dB(A)		63.0 dl	B(A)	(	66.0 dB(A)
	25%									
Efficiency (%)	50%									
Linelettey (70)	75%									
	100%									
	25%									
Dower Footer	50%									
Power Factor	75%									
	100%									
Losses at normat	ive enerating	nointa (an	ood:torquo\ i	n noroo	otago of ra	tod output	nowor	1		
LUSSES at HUITIA		,9;1,0)	6.6	ii percei		6.6	powei	6.6		6.1
					_				-	
		,5;1,0)	5.8			5.8		5.8	-	5.3
1 (0/)		25;1,0)	5.4			5.4		5.4	_	5.0
Losses (%)		,9;0,5)	3.1			3.1		3.1		2.9
		,5;0,5)	2.3			2.3		2.3	-	2.1
		5;0,25)	1.5			.5		1.5		1.4
	P7 (U,2	25;0,25)	1.1		-	.1		1.1		1.0
		<u>Drive</u>		ive end	Foundati	on loads				
Bearing type		: 6312 2	ZZ C3 6212	ZZ C3	Max. trac	ction		: 584 kg	f	
Sealing		: Oil S	Seal Lip	Seal	Max. cor	npression		: 857 kg	f	
Lubrication inter	val	: -		-						
Lubricant amour	nt	: -		-						
Lubricant type		: M	lobil Polyrex E	ΕM						
This revision repl must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v manufacturing pr (4) At 100% of fu	ed. notor from the 1m and with t weight subject ocess.	shaft end.	f +3dB(A).	nich		ıpply, subje		pased on tes tolerances		h sinusoidal ated in IEC
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# DATA SHEET

### Three Phase Induction Motor - Squirrel Cage



Customer : Astraprom d.o.o.

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

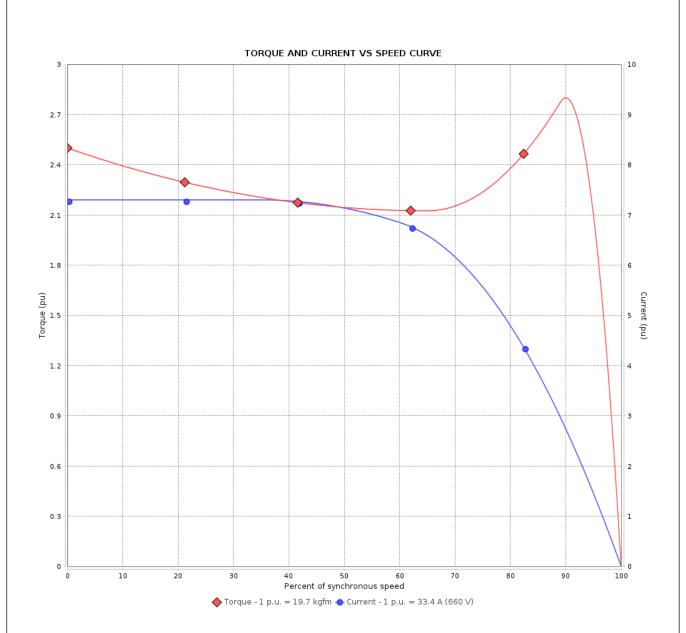
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#### Three Phase Induction Motor - Squirrel Cage



Customer : Astraprom d.o.o.

Product line : W22 IE3 Three-Phase Product code : 12885654



Performance : 380/660 V 50 Hz 4P

Rated current : 58.0/33.4 A Moment of inertia (J) : 0.3202 kgm²

**LRC** : 7.3 Duty cycle : S1 Rated torque : 19.7 kgfm Insulation class : F Service factor Locked rotor torque : 250 % : 1.00 : 80 K Breakdown torque : 280 % Temperature rise Rated speed : N : 1480 rpm Design

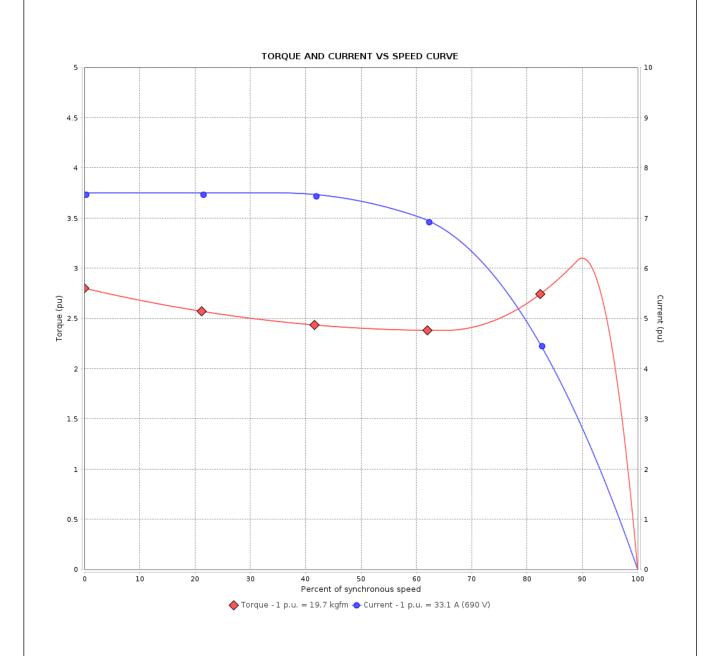
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#### Three Phase Induction Motor - Squirrel Cage



Customer : Astraprom d.o.o.

Product line : W22 IE3 Three-Phase Product code : 12885654



Performance : 400/690 V 50 Hz 4P Rated current : 57.1/33.1 A Moment of inertia (J) : 0.3202 kgm<sup>2</sup> : S1 **LRC** : 7.5 Duty cycle : 19.7 kgfm Insulation class : F Rated torque : 280 % : 1.00 Locked rotor torque Service factor : 80 K Breakdown torque : 310 % Temperature rise : N Rated speed : 1480 rpm Design

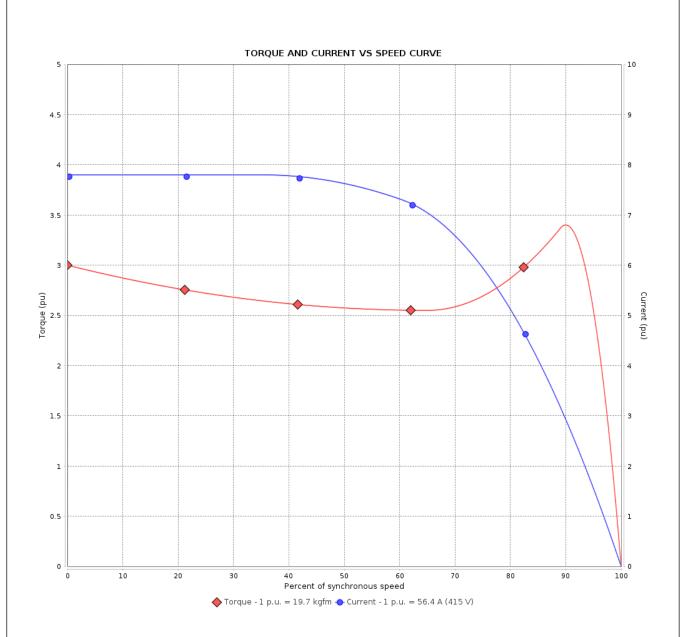
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#### Three Phase Induction Motor - Squirrel Cage



Customer : Astraprom d.o.o.

Product line : W22 IE3 Three-Phase Product code : 12885654



Performance : 415 V 50 Hz 4P

Rated current : 56.4 A Moment of inertia (J) : 0.3202 kgm²

LRC : 7.8 Duty cycle : S1 Rated torque : 19.7 kgfm Insulation class : F : 300 % Service factor : 1.00 Locked rotor torque : 80 K Breakdown torque : 340 % Temperature rise Rated speed : N : 1485 rpm Design

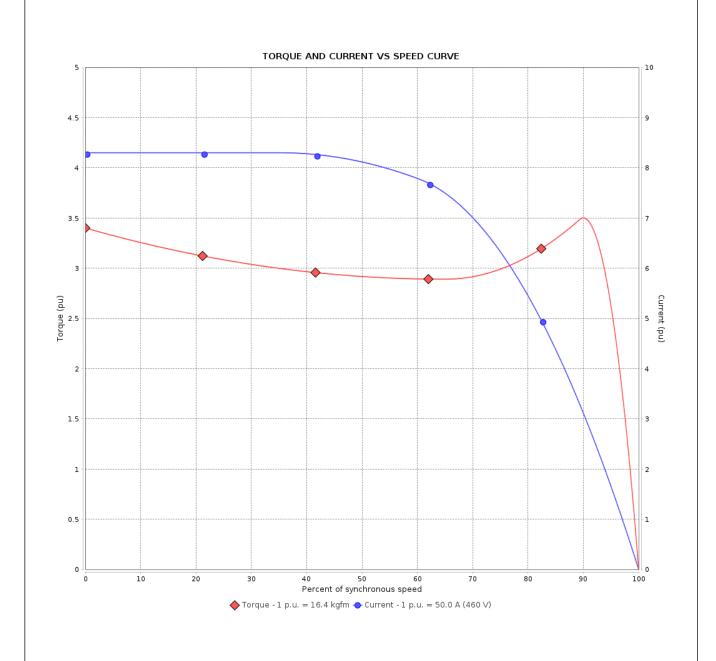
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#### Three Phase Induction Motor - Squirrel Cage



Customer : Astraprom d.o.o.

Product line : W22 IE3 Three-Phase Product code : 12885654



Performance : 460 V 60 Hz 4P Rated current : 50.0 A Moment of inertia (J) : 0.3202 kgm<sup>2</sup> : S1 **LRC** : 8.3 Duty cycle : 16.4 kgfm Insulation class : F Rated torque : 340 % : 1.00 Locked rotor torque Service factor : 350 % : 80 K Breakdown torque Temperature rise Rated speed : N : 1785 rpm Design

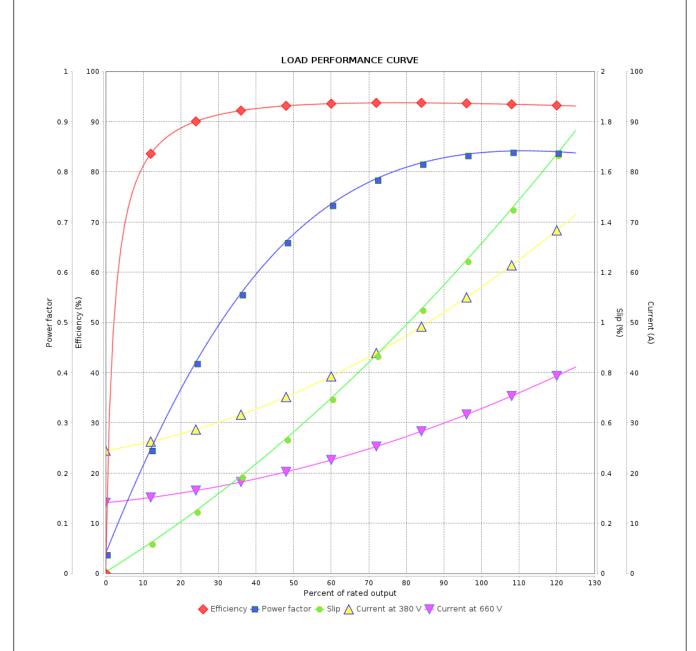
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### Three Phase Induction Motor - Squirrel Cage



: Astraprom d.o.o.

: W22 IE3 Three-Phase Product line Product code: 12885654

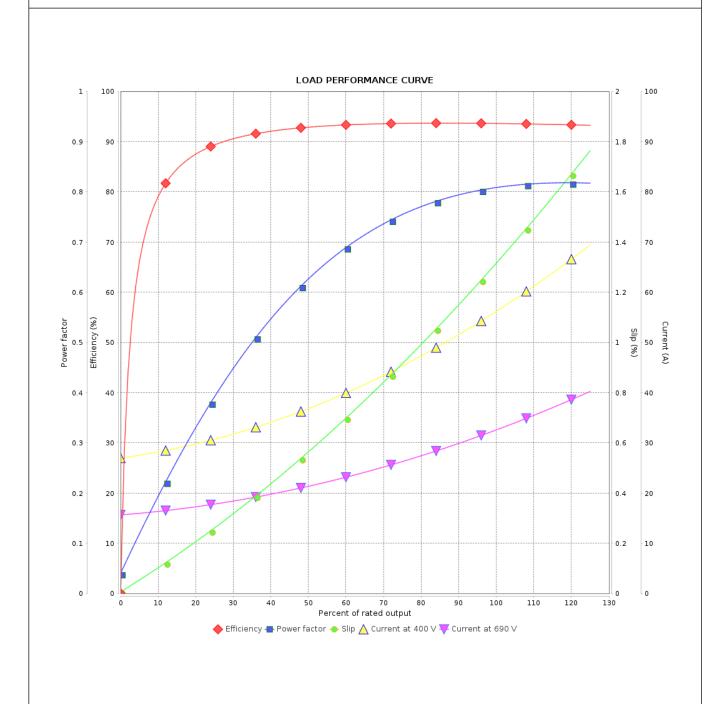


Performance : 380/660 V 50 Hz 4P						
Rated current : 58		8.0/33.4 A	3.4 A Moment of inertia (J)		: 0.3202 kgm	2
LRC	LRC : 7.3		Duty cycle	е	: S1	
Rated torque	: 19	9.7 kgfm	Insulation class		: F	
1		50 %	Service factor		: 1.00	
Breakdown torque : 2		80 %	Temperat	Temperature rise		
Rated speed	: 1	480 rpm	Design		: N	
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### Three Phase Induction Motor - Squirrel Cage



Customer : Astraprom d.o.o.

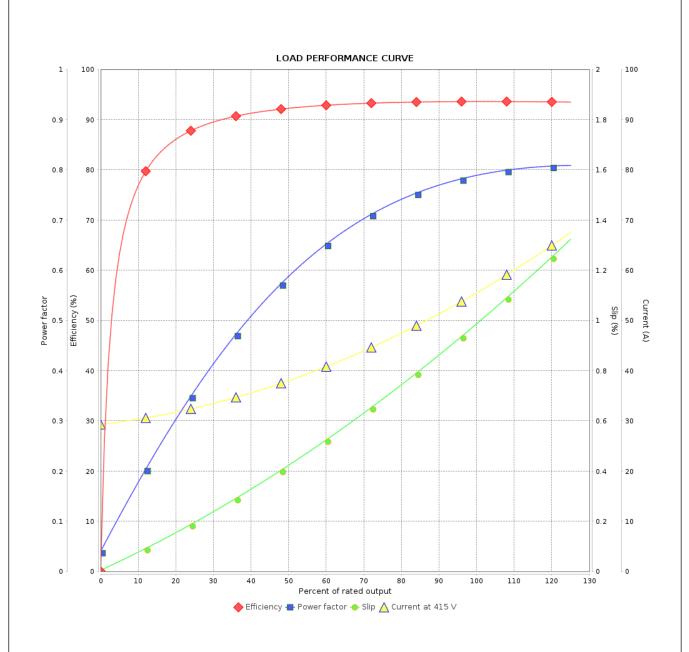


Performance	: 4	00/690 V 50 Hz 4P				
Rated current			l l	Moment of inertia (J)		
LRC Rated torque	: 7 : 1	.5 9.7 kgfm	Duty cycle Insulation		: S1 : F	
Locked rotor toro	que : 2	80 %	Service fa		: 1.00	
		10 %	Temperature rise		: 80 K	
Rated speed	: 1	480 rpm	Design		: N	
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### Three Phase Induction Motor - Squirrel Cage



Customer : Astraprom d.o.o.

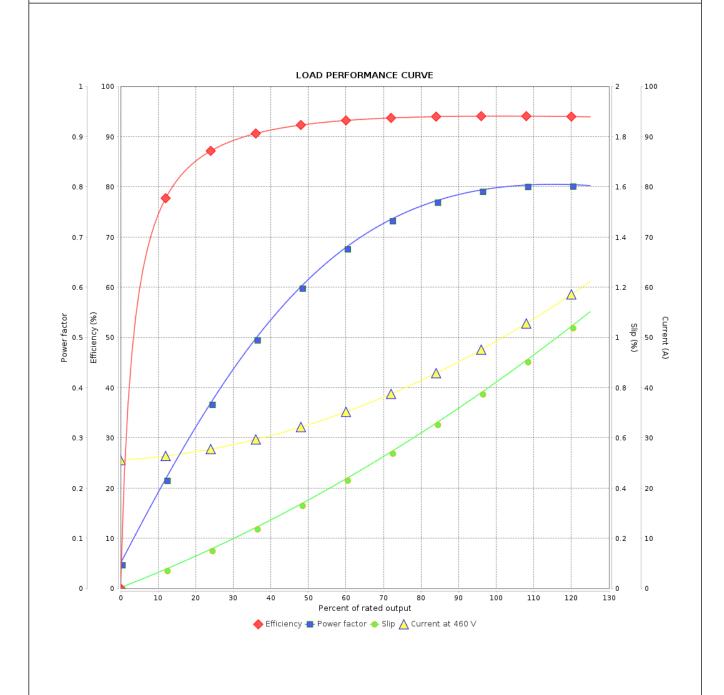


Performance	: 4	15 V 50 Hz 4P				
Rated current	red current : 56.4 A		1	of inertia (J)	: 0.3202 kgm	2
LRC	: 7	.8	Duty cyc	le	: S1	
Rated torque	: 19	9.7 kgfm	Insulatio	n class	: F	
Locked rotor tord	que : 3	00 %	Service f	actor	: 1.00	
Breakdown torqu	ie : 3	40 %	Tempera	Temperature rise		
Rated speed	·			: N		
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### Three Phase Induction Motor - Squirrel Cage



Customer : Astraprom d.o.o.



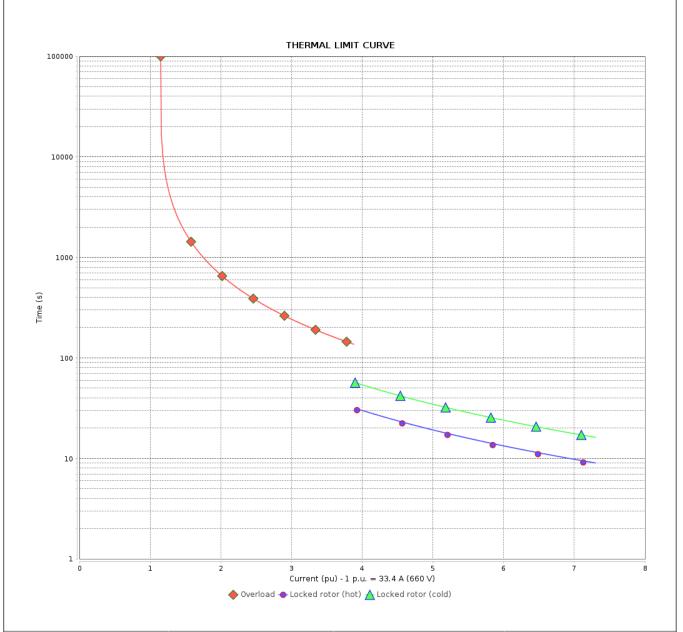
Performance	: 40	60 V 60 Hz 4P				
Rated current	ted current : 50.0 A		Moment o	of inertia (J)	: 0.3202 kgm²	
LRC	: 8	3	Duty cycle	9	: S1	
Rated torque	: 10	6.4 kgfm	Insulation	class	: F	
Locked rotor torq	jue : 34	40 %	Service fa	ictor	: 1.00	
Breakdown torqu	ie : 3	50 %	Temperature rise		: 80 K	
Rated speed	: 1	785 rpm	Design		: N	
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#### Three Phase Induction Motor - Squirrel Cage



: Astraprom d.o.o.

Product line : W22 IE3 Three-Phase Product code: 12885654



Performance : 380/660 V 50 Hz 4P Rated current : 58.0/33.4 A Moment of inertia (J) : 0.3202 kgm<sup>2</sup> **LRC** : 7.3 Duty cycle : S1 Insulation class : 19.7 kgfm : F Rated torque : 250 % : 1.00 Locked rotor torque Service factor Breakdown torque : 280 % Temperature rise : 80 K Rated speed : 1480 rpm Design Heating constant

Cooling constant

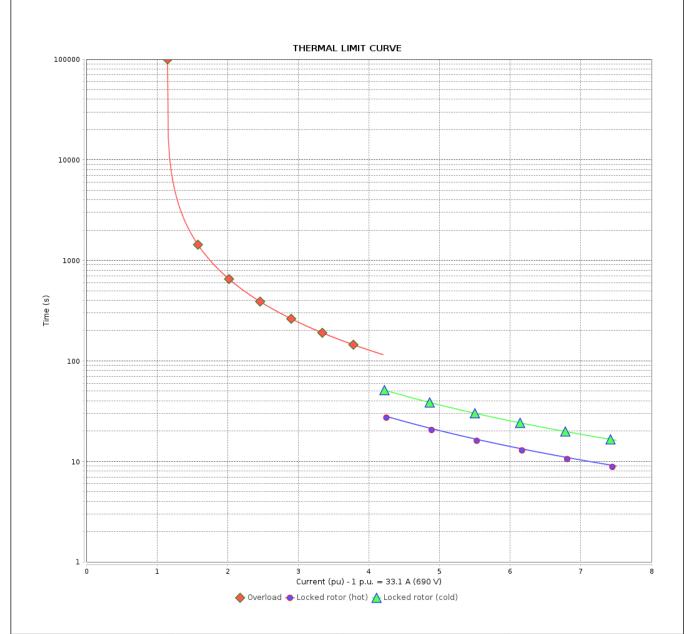
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#### Three Phase Induction Motor - Squirrel Cage



Customer : Astraprom d.o.o.

Product line : W22 IE3 Three-Phase Product code : 12885654



Performance : 400/690 V 50 Hz 4P : 57.1/33.1 A Moment of inertia (J) : 0.3202 kgm<sup>2</sup> Rated current **LRC** : 7.5 Duty cycle : S1 Insulation class : F Rated torque : 19.7 kgfm : 280 % Locked rotor torque Service factor : 1.00 Breakdown torque : 310 % : 80 K Temperature rise Rated speed : 1480 rpm Design : N Heating constant Cooling constant

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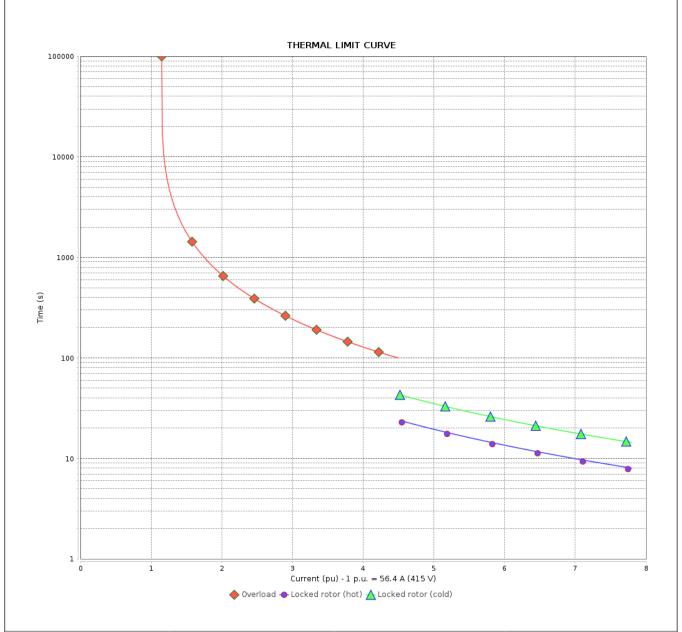
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#### Three Phase Induction Motor - Squirrel Cage



Customer : Astraprom d.o.o.

Product line : W22 IE3 Three-Phase Product code : 12885654



: 415 V 50 Hz 4P Performance Rated current : 56.4 A Moment of inertia (J) : 0.3202 kgm<sup>2</sup> **LRC** : 7.8 Duty cycle : S1 Insulation class : 19.7 kgfm : F Rated torque : 300 % : 1.00 Locked rotor torque Service factor Breakdown torque : 340 % Temperature rise : 80 K Rated speed : 1485 rpm Design Heating constant

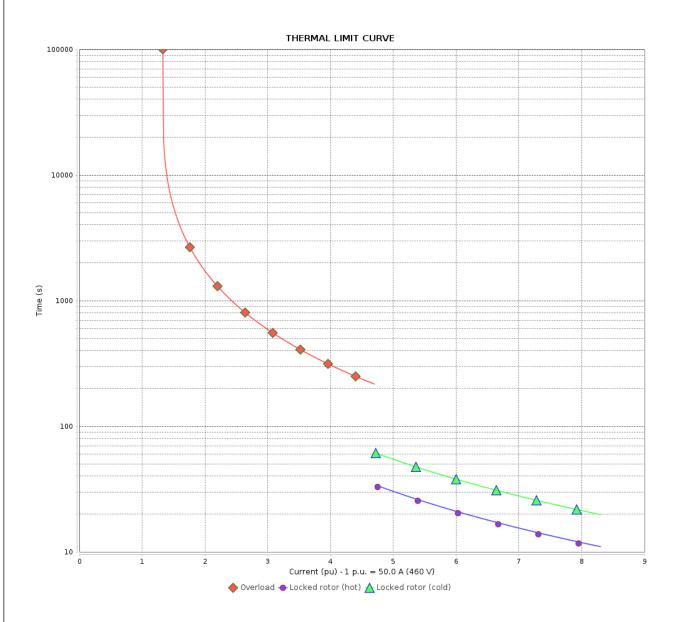
Cooling constant

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### Three Phase Induction Motor - Squirrel Cage



Customer : Astraprom d.o.o.



Performance	: 460 V 60 Hz 4P			
Rated current	: 50.0 A	Moment of inertia (J)	: 0.3202 kgm²	
LRC	: 8.3	Duty cycle	: S1	
Rated torque	: 16.4 kgfm	Insulation class	: F	
Locked rotor torque	: 340 %	Service factor	: 1.00	
Breakdown torque	: 350 %	Temperature rise	: 80 K	
Rated speed	: 1785 rpm	Design	: N	
Heating constant	,			
Cooling constant				

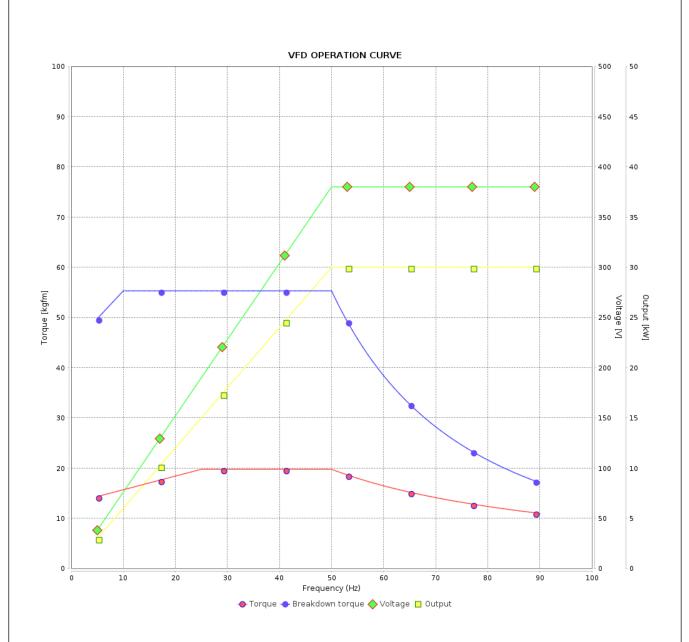
Cooling constant	į .				
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### Three Phase Induction Motor - Squirrel Cage



Customer : Astraprom d.o.o.

Product line : W22 IE3 Three-Phase Product code : 12885654



Performance	: 380/660 V 50 Hz 4P			
Rated current : 58.0/33.4 A		Moment of inertia (J)	: 0.3202 k	gm²
LRC	: 7.3	Duty cycle	: S1	
Rated torque	: 19.7 kgfm	Insulation class	: F	
Locked rotor torque	: 250 %	Service factor	: 1.00	
Breakdown torque	: 280 %	Temperature rise	: 80 K	
Rated speed	: 1480 rpm	Design	: N	
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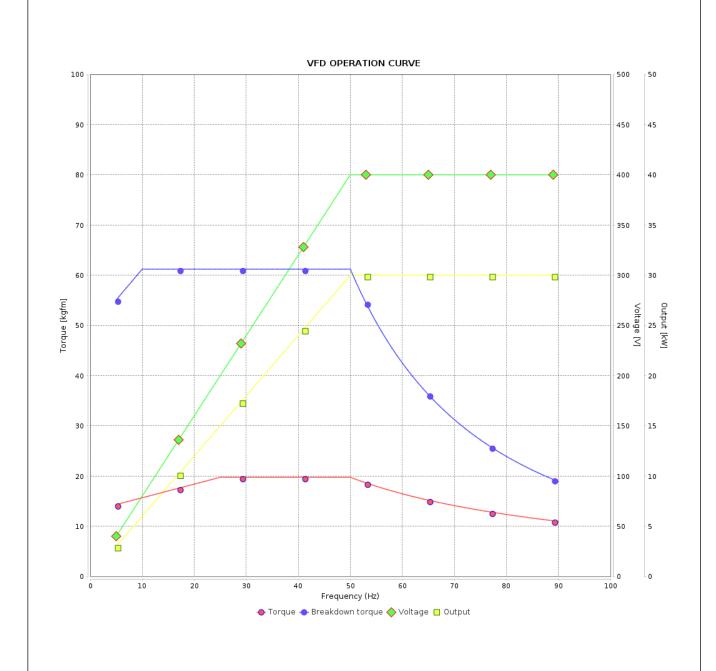
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### Three Phase Induction Motor - Squirrel Cage



Customer : Astraprom d.o.o.



Performance	: 40	00/690 V 50 Hz 4P				
Rated current LRC Rated torque Locked rotor torque Breakdown torque		: 57.1/33.1 A       Moment of inertia (J)       : 0.32         : 7.5       Duty cycle       : S1         : 19.7 kgfm       Insulation class       : F         : 280 %       Service factor       : 1.00         : 310 %       Temperature rise       : 80 K		Duty cycle Insulation class Service factor		2
Rated speed		: 1480 rpm Design			: N	
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### Three Phase Induction Motor - Squirrel Cage



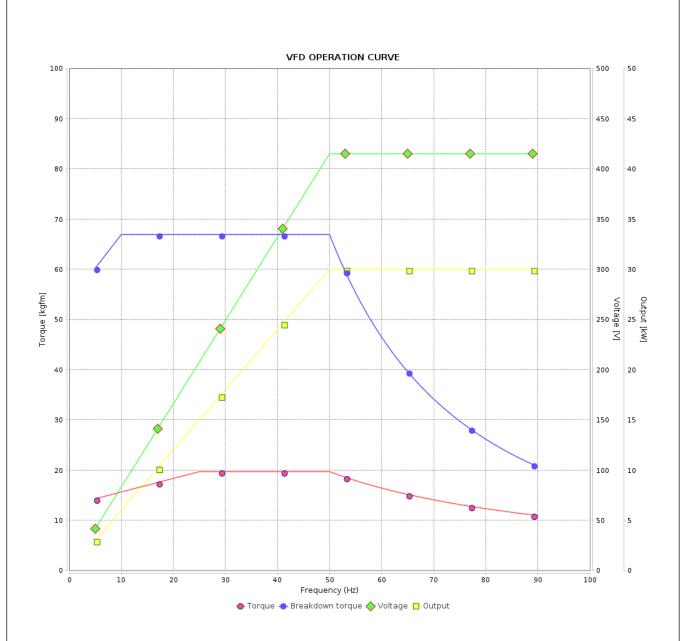
Customer : Astraprom d.o.o.

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Product line : W22 IE3 Three-Phase Product code : 12885654



Performance		: 415 V 50 Hz 4P					
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed		: 56.4 A : 7.8 : 19.7 kgfm : 300 % : 340 % : 1485 rpm	D In So Te	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 0.3202 kgm² : S1 : F : 1.00 : 80 K : N	
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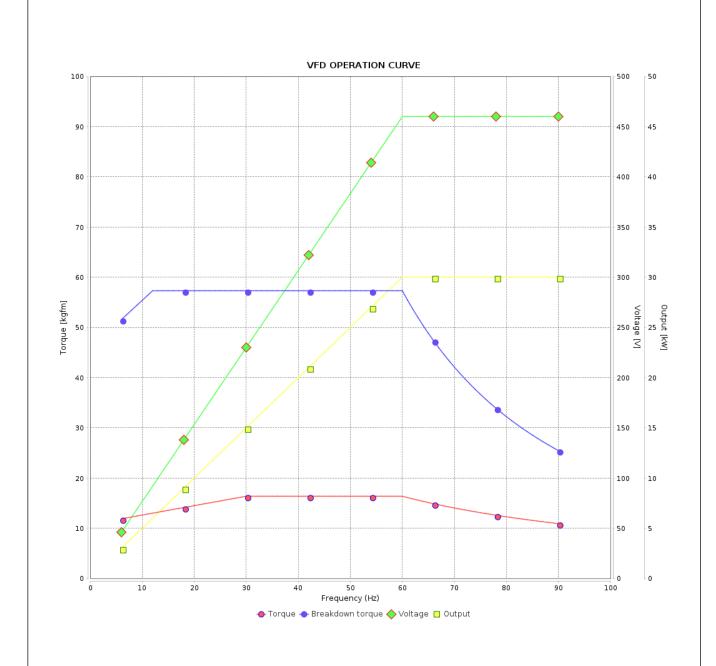
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### Three Phase Induction Motor - Squirrel Cage



Customer : Astraprom d.o.o.

Product line : W22 IE3 Three-Phase Product code : 12885654



Performance	: 460 V 60 Hz 4P				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 50.0 A : 8.3 : 16.4 kgfm : 340 % : 350 % : 1785 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 0.3202 kgm² : S1 : F : 1.00 : 80 K : N	
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