# DATA SHEET

#### Three Phase Induction Motor - Squirrel Cage



Customer	: As	traprom d.o	0.0.							
Product line	: W22	IE3 Three-	Phase		1	Product	code :	12862	408	
Frame Insulation class Duty cycle Ambient tempera Altitude Protection degre Design		: 225S/N : F : S1 : -20°C t : 1000 m : IP55 : N	o +40°C		Cooling Mountin Rotation Starting Approx. Moment	g n <sup>1</sup> method weight <sup>3</sup>	ļ	: B3T : Both : Direc : 395 I	(CW and t On Lin	d CCW)
Output [kW]			45		45		4	5		15
Poles			2		2			2		
Frequency [Hz]			50		50		5			
Rated voltage [V]		38	0/660		400/690		41			
Rated current [A]			6/48.1		80.3/46.6		79			
L. R. Amperes [A]			4/371		666/386		70			
LRC [A]			7.7		8.3		8.			
No load current [A	1		0/15.5	•	29.0/16.8		31			
Rated speed [RPN			1965		2970		29			
Slip [%]	ניי		1.17		1.00		0.9			
Rated torque [kgfr	nl		14.8		14.8		14			
Locked rotor torqu			260		290		32			
Breakdown torque			320		370		40			
Service factor	[ /0]		1.00		1.00		1.0			
Temperature rise			30 K		80 K		80			
Locked rotor time			ld) 8s (hot)	1/10/	(cold) 8s (h	ot)	12s (cold		160 (	
Noise level <sup>2</sup>			) dB(A)		4.0 dB(A)	101)	74.0			
INDISC ICVCI	25%		.000	,	0.000		0.0		7.0	7.0 GD(A)
	50%		92.5		92.0		92		411 - TEFC 3T oth (CW and CCW) rect On Line 5 kg 2861 kgm²   45 2 60 460 71.8 653 9.1 27.0 3575 0.69 12.3 320 420 1.00 80 K 16s (cold) 9s (he 79.0 dB(A)  91.5 93.6 93.6 93.6 0.69 0.79 0.84  6.4 4.9 4.5 3.6 2.1 1.5 0.9	01.5
Efficiency (%)	75%		93.5		93.0		93			
	100%		94.0		94.0		94			
	25%		0.00		0.00		0.0			95.0
	50%		0.74		0.72		0.0			0.60
Power Factor	75%		0.83		0.72		0.0			
	100%		0.87		0.86		0.8			
		1						04		0.04
Losses at normat				n percei			out power			
	P1 (0	,9;1,0)	6.0		6	.0		6.0		6.4
		,5;1,0)	4.6			.6		4.6		
		25;1,0)	4.2			.2		4.2		
Losses (%)		,9;0,5)	3.3			.3		3.3		
	,	,5;0,5)	2.0			0		2.0		
		5;0,25)	1.4			.4		1.4		
	P7 (0,2	25;0,25)	0.9		0	.9		0.9		0.9
Bearing type Sealing Lubrication interv Lubricant amoun Lubricant type		Drive 6 6314 : 6314 : WS : 500 : 27 : M	C3 63 <sup>2</sup> eal W 0 h 50	ive end 14 C3 Seal 900 h 27 g	Foundati Max. trac Max. con	ction		: 380 k : 776 k		
This revision repla must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v manufacturing pro (4) At 100% of ful	ed. otor from the m and with t veight subject ocess.	shaft end.	f +3dB(A).	nich		ıpply, su				
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Three Pha	se Induction Motor - Squirrel Cage			шеч
Customer	: Astraprom d.o.o.			
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# DATA SHEET

#### 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

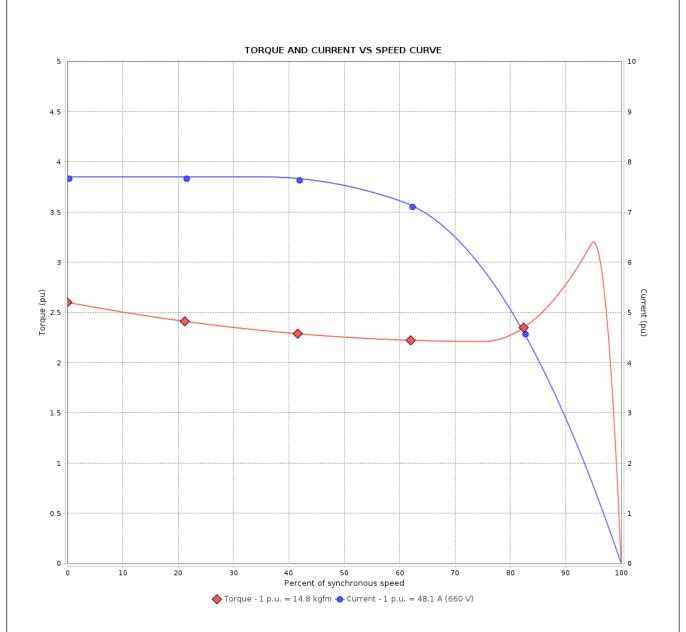
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#### Three Phase Induction Motor - Squirrel Cage



Customer : Astraprom d.o.o.

Product line : W22 IE3 Three-Phase Product code : 12862408



Performance : 380/660 V 50 Hz 2P Rated current : 83.6/48.1 A Moment of inertia (J) : 0.2861 kgm<sup>2</sup> **LRC** : 7.7 Duty cycle : S1 Rated torque : 14.8 kgfm Insulation class : F : 260 % Service factor Locked rotor torque : 1.00 : 80 K Breakdown torque : 320 % Temperature rise Rated speed : N : 2965 rpm Design

Locked rotor time : 14s (cold) 8s (hot)

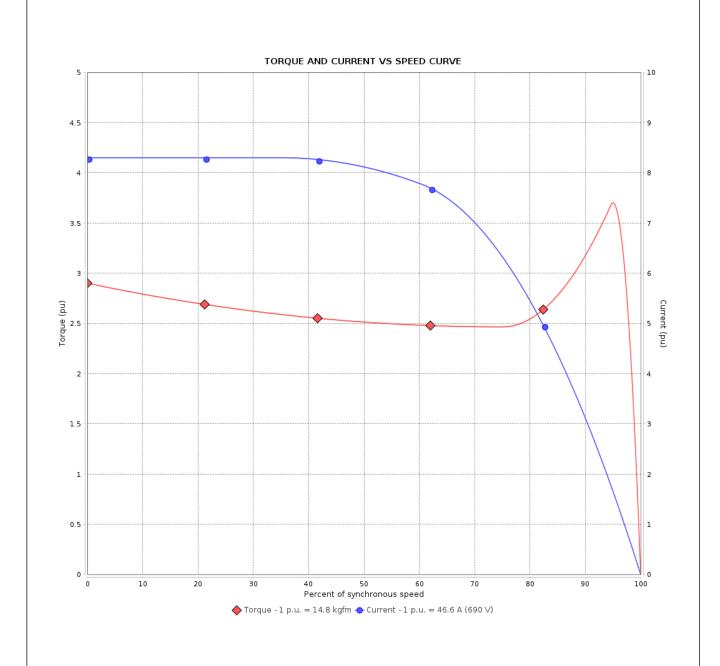
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#### Three Phase Induction Motor - Squirrel Cage



Customer : Astraprom d.o.o.

Product line : W22 IE3 Three-Phase Product code : 12862408



Performance	: 400/690 V 50 Hz 2P		
Rated current	: 80.3/46.6 A	Moment of inertia (J)	: 0.2861 kgm²
LRC	: 8.3	Duty cycle	: S1
Rated torque	: 14.8 kgfm	Insulation class	: F
Locked rotor torque	: 290 %	Service factor	: 1.00
Breakdown torque	: 370 %	Temperature rise	: 80 K
Rated speed	: 2970 rpm	Design	: N

Locked rotor time : 14s (cold) 8s (hot)

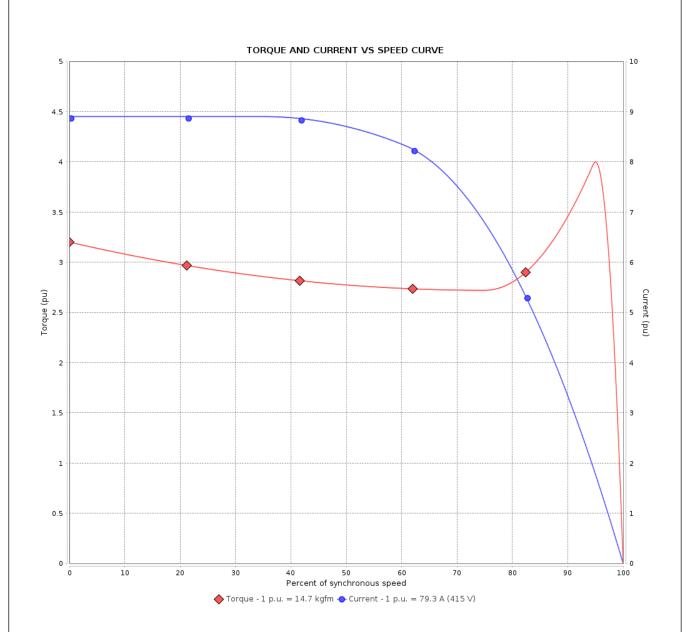
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### Three Phase Induction Motor - Squirrel Cage



Customer : Astraprom d.o.o.

Product line : W22 IE3 Three-Phase Product code : 12862408



Performance	: 415 V 50 Hz 2P		
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 79.3 A : 8.9 : 14.7 kgfm : 320 % : 400 % : 2973 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design	: 0.2861 kgm² : S1 : F : 1.00 : 80 K : N
Rated speed	: 2973 rpm	Design	: N

Locked rotor time : 12s (cold) 7s (hot)

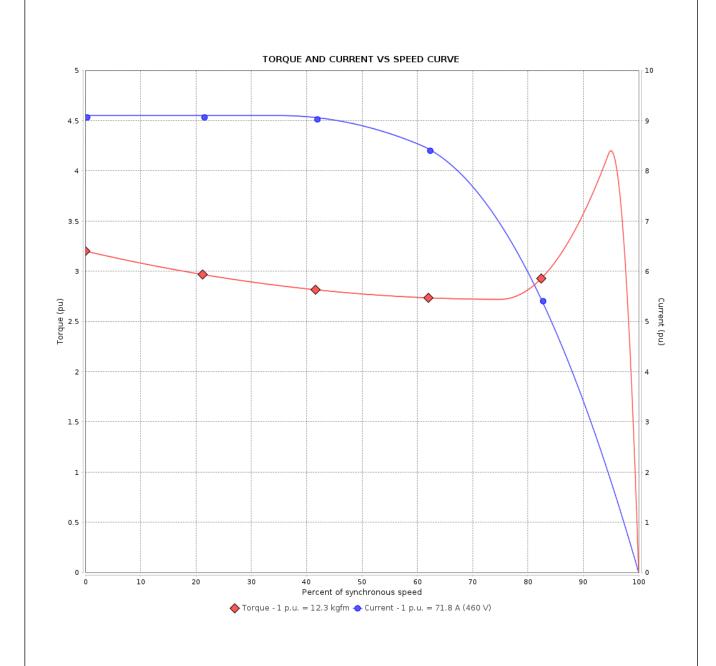
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#### Three Phase Induction Motor - Squirrel Cage



Customer : Astraprom d.o.o.

Product line : W22 IE3 Three-Phase Product code : 12862408



Performance	: 460 V 60 Hz 2P			
Rated current	: 71.8 A	Moment of inertia (J)	: 0.2861 kgm²	
LRC	: 9.1	Duty cycle	: S1	
Rated torque	: 12.3 kgfm	Insulation class	: F	
Locked rotor torque	: 320 %	Service factor	: 1.00	
Breakdown torque	: 420 %	Temperature rise	: 80 K	
Rated speed	: 3575 rpm	Design	: N	

Locked rotor time : 16s (cold) 9s (hot)

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#### Three Phase Induction Motor - Squirrel Cage



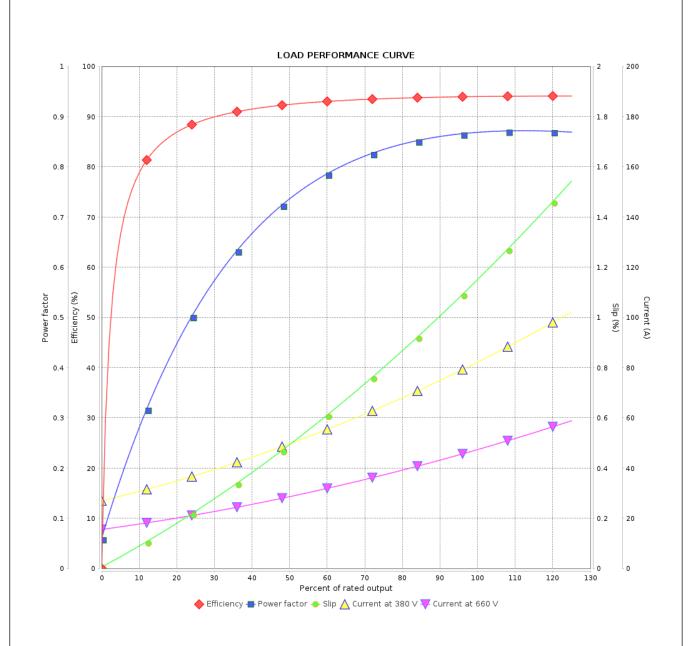
Customer : Astraprom d.o.o.

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Date

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Product line : W22 IE3 Three-Phase Product code : 12862408



Performance	:	: 380/660 V 50 Hz	2P			
Rated current LRC Rated torque Locked rotor tord Breakdown torqu Rated speed	: : : : : : : :	83.6/48.1 A 7.7 14.8 kgfm 260 % 320 % 2965 rpm	Moment of Duty cycle Insulation Service for Temperate Design	n class actor	: 0.2861 kgm² : S1 : F : 1.00 : 80 K : N	
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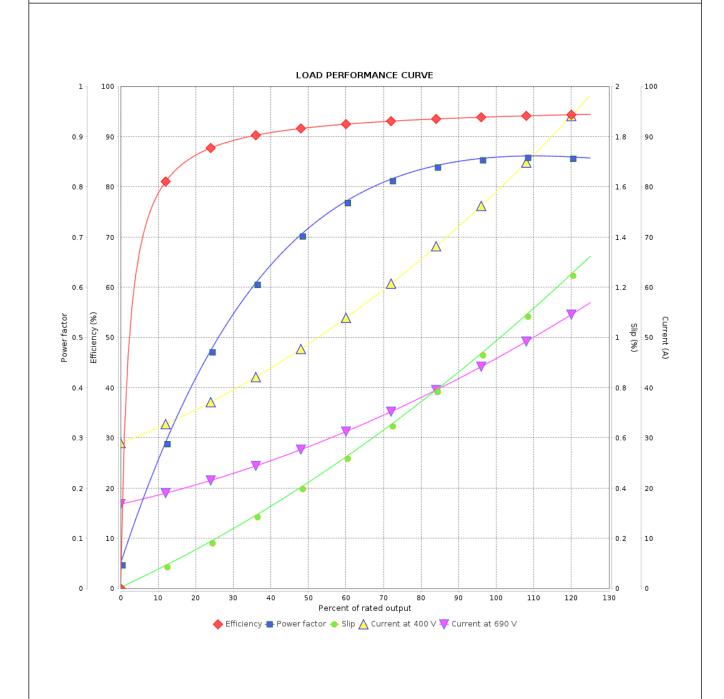
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#### Three Phase Induction Motor - Squirrel Cage



Customer : Astraprom d.o.o.

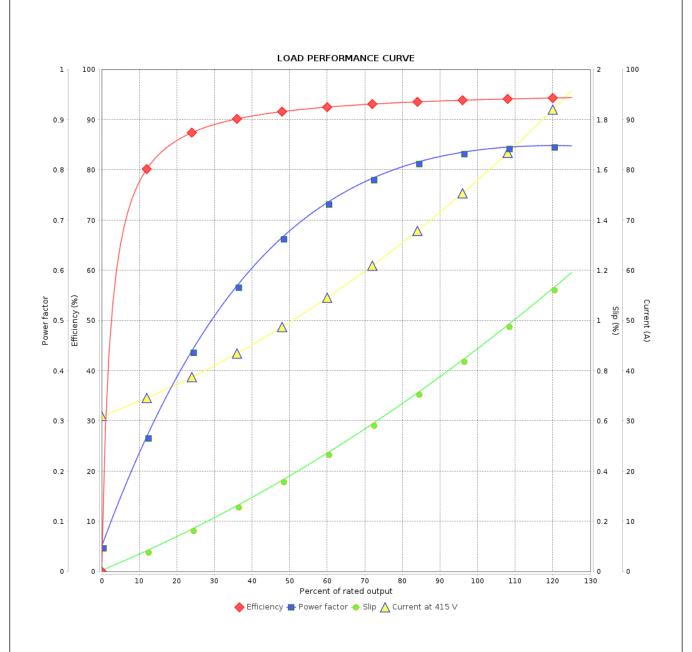


Performance	: 4	00/690 V 50 Hz 2P					
Rated current		0.3/46.6 A	.3/46.6 A Moment of inerti		: 0.2861 kgm²	1	
LRC	: 8	.3	Duty cycle	9	: S1		
Rated torque	: 1	4.8 kgfm	Insulation	class	: F		
Locked rotor torq	jue : 2	90 %	Service fa	ictor	: 1.00		
Breakdown torque		70 %	Temperati	ure rise	: 80 K		
Rated speed	: 2	970 rpm	Design		: N		
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#### Three Phase Induction Motor - Squirrel Cage



: Astraprom d.o.o.

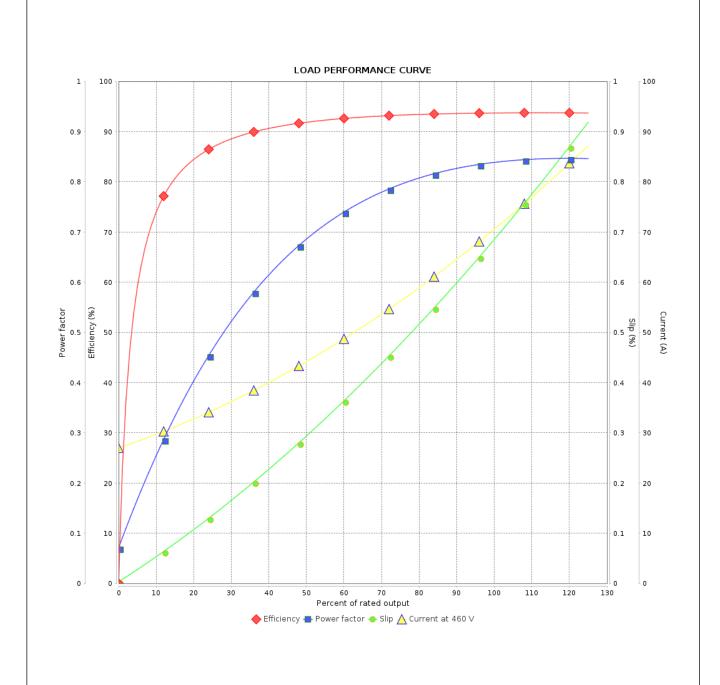


Performance	: 4	15 V 50 Hz 2P					
Rated current	: 7	9.3 A Moment of		of inertia (J)	: 0.2861 kgm	2	
LRC	: 8	.9	Duty cycle	е	: S1		
Rated torque	: 1	4.7 kgfm	Insulation	class	: F		
Locked rotor tord	que : 3	20 %	Service fa	Service factor			
Breakdown torque		00 %	Temperat	ure rise	: 80 K	: F : 1.00	
Rated speed	: 2	973 rpm	Design		: N		
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#### Three Phase Induction Motor - Squirrel Cage



Customer : Astraprom d.o.o.



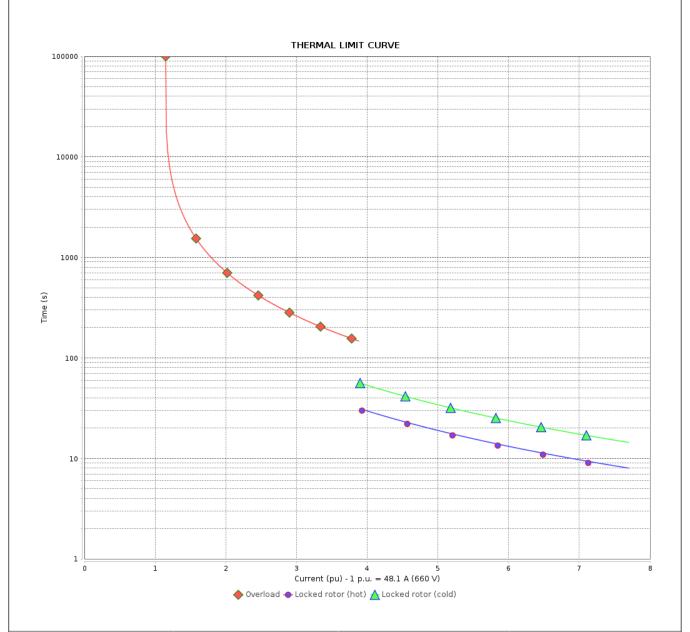
Performance	: 46	60 V 60 Hz 2P				
Rated current LRC	: 7′ : 9.	.8 A Moment of Duty cycle			: 0.2861 kgm² : S1	
Rated torque Locked rotor torq	: 12	2.3 kgfm 20 %	Insulation class Service factor		: F : 1.00	
Breakdown torque		20 %	Temperati	Temperature rise : 80 K		
Rated speed	: 38	575 rpm	Design		: N	
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#### Three Phase Induction Motor - Squirrel Cage



Customer : Astraprom d.o.o.

Product line : W22 IE3 Three-Phase Product code: 12862408



Performance : 380/660 V 50 Hz 2P Rated current : 83.6/48.1 A Moment of inertia (J) : 0.2861 kgm<sup>2</sup> **LRC** : 7.7 Duty cycle : S1 Insulation class : F Rated torque : 14.8 kgfm : 260 % : 1.00 Locked rotor torque Service factor Breakdown torque : 320 % Temperature rise : 80 K Rated speed : 2965 rpm Design Heating constant

Cooling constant

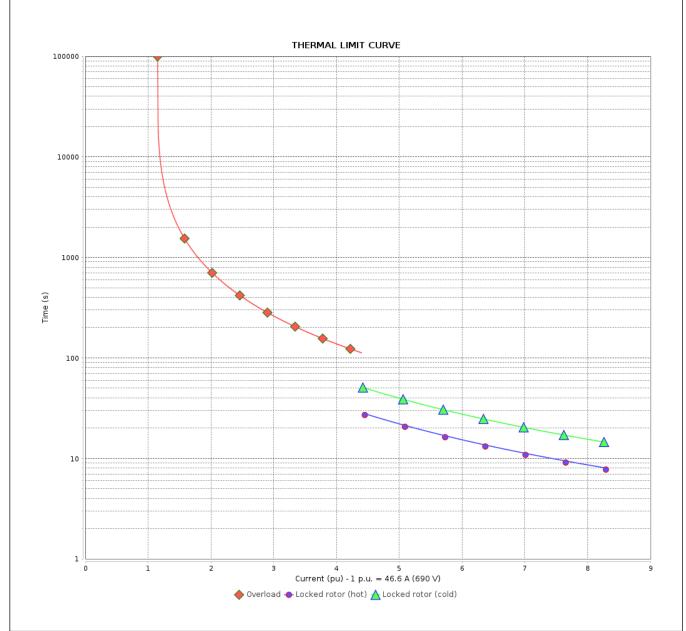
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#### Three Phase Induction Motor - Squirrel Cage



Customer : Astraprom d.o.o.

Product line : W22 IE3 Three-Phase Product code : 12862408



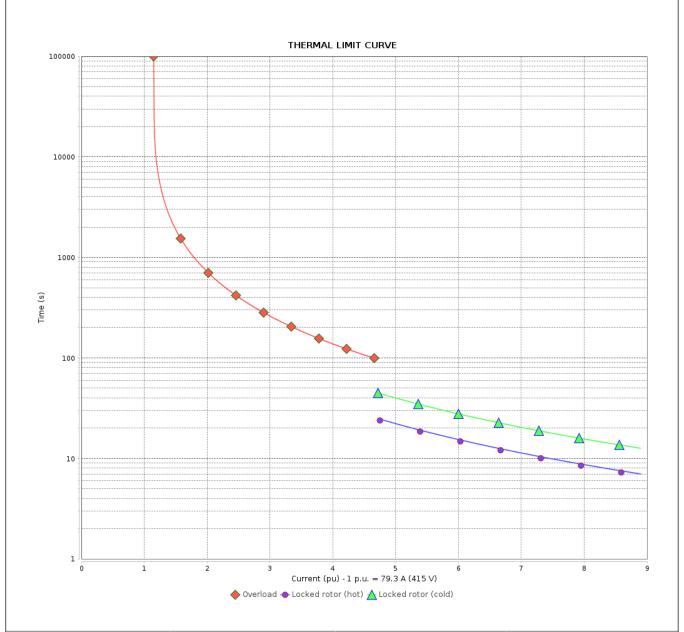
Performance : 400/690 V 50 Hz 2P : 80.3/46.6 A Moment of inertia (J) : 0.2861 kgm<sup>2</sup> Rated current **LRC** : 8.3 Duty cycle : S1 Insulation class : F Rated torque : 14.8 kgfm : 290 % Locked rotor torque Service factor : 1.00 Breakdown torque : 370 % : 80 K Temperature rise Rated speed : 2970 rpm Design : N Heating constant Cooling constant

#### Three Phase Induction Motor - Squirrel Cage



Customer : Astraprom d.o.o.

Product line : W22 IE3 Three-Phase Product code : 12862408



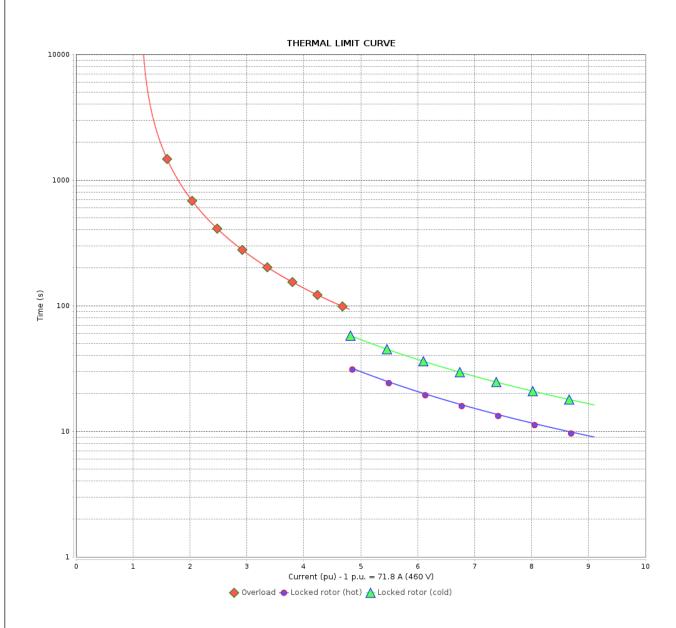
Performance : 415 V 50 Hz 2P Rated current : 79.3 A Moment of inertia (J) : 0.2861 kgm<sup>2</sup> **LRC** : 8.9 Duty cycle : S1 Insulation class : F Rated torque : 14.7 kgfm : 320 % : 1.00 Locked rotor torque Service factor : 400 % Temperature rise : 80 K Breakdown torque Rated speed : 2973 rpm Design : N Heating constant Cooling constant

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



Customer : Astraprom d.o.o.



Performance	: 460 V 60 Hz 2P			
Rated current	: 71.8 A	Moment of inertia (J)	: 0.2861 kgm²	
LRC	: 9.1	Duty cycle	: S1	
Rated torque	: 12.3 kgfm	Insulation class	: F	
Locked rotor torque	: 320 %	Service factor	: 1.00	
Breakdown torque	: 420 %	Temperature rise	: 80 K	
Rated speed	: 3575 rpm	Design	: N	
Heating constant				
Cooling constant				

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



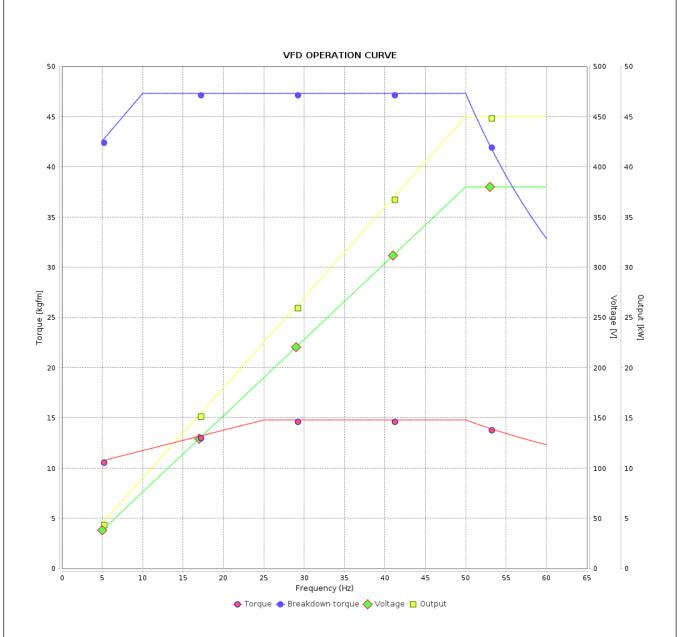
Customer : Astraprom d.o.o.

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Product line : W22 IE3 Three-Phase Product code : 12862408



::	: 380/660 V 50 Hz 2P				
LRC : 7.7 Rated torque : 14.8 kgt Locked rotor torque : 260 % Breakdown torque : 320 %		Duty cycle Insulation Service fa	class ctor	: 0.2861 kgm² : S1 : F : 1.00 : 80 K : N	
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	: : : ue : e :	: 83.6/48.1 A : 7.7 : 14.8 kgfm ue : 260 % e : 320 % : 2965 rpm	: 83.6/48.1 A	: 83.6/48.1 A  : 7.7  Duty cycle  : 14.8 kgfm  ue : 260 %  e : 320 % : 2965 rpm  Moment of inertia (J)  Duty cycle  Insulation class  Service factor  Temperature rise  Design	: 83.6/48.1 A       Moment of inertia (J)       : 0.2861 kgm²         : 7.7       Duty cycle       : S1         : 14.8 kgfm       Insulation class       : F         ue       : 260 %       Service factor       : 1.00         e       : 320 %       Temperature rise       : 80 K         : 2965 rpm       Design       : N

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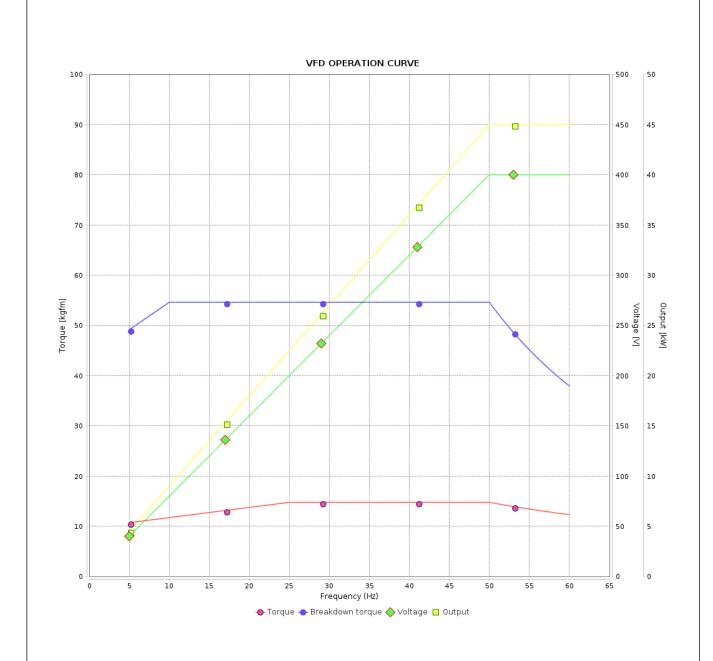
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### Three Phase Induction Motor - Squirrel Cage



Customer : Astraprom d.o.o.



Performance	: 4	00/690 V 50 Hz 2P				
Rated current	_	1		of inertia (J)	: 0.2861 kgm²	
LRC	: 8	.3	Duty cycle	9	: S1	
Rated torque		4.8 kgfm	Insulation	class	: F	
Locked rotor tord	que : 2	90 %	Service fa	Service factor		
Breakdown torqu	ie : 3	70 %	Temperate	Temperature rise : 80 K		
Rated speed		970 rpm	Design		: N	
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#### Three Phase Induction Motor - Squirrel Cage



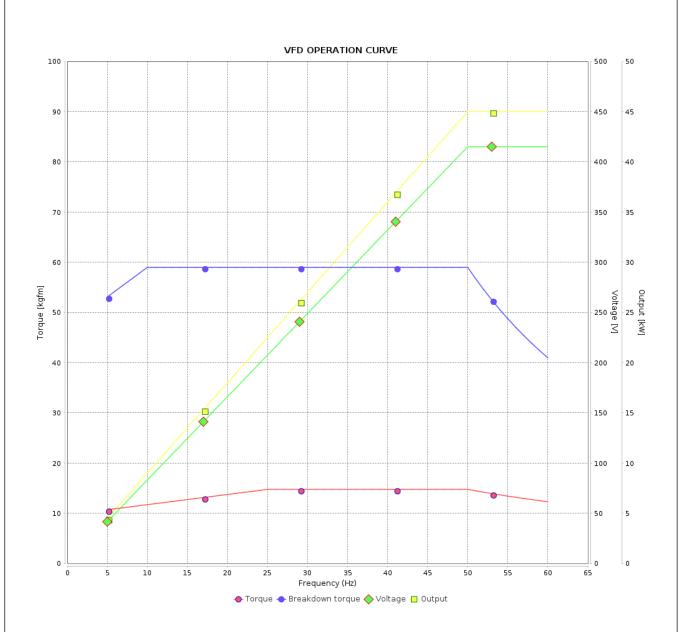
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Product line : W22 IE3 Three-Phase Product code : 12862408



Performance	: 4′	15 V 50 Hz 2P				
Rated current LRC Rated torque Locked rotor tord Breakdown torqu Rated speed	: 8. : 14 jue : 32 ie : 40	9.3 A 9 4.7 kgfm 20 % 00 % 973 rpm	Moment of Duty cycle Insulation Service fa Temperate Design	class ctor	: 0.2861 kgm² : S1 : F : 1.00 : 80 K : N	
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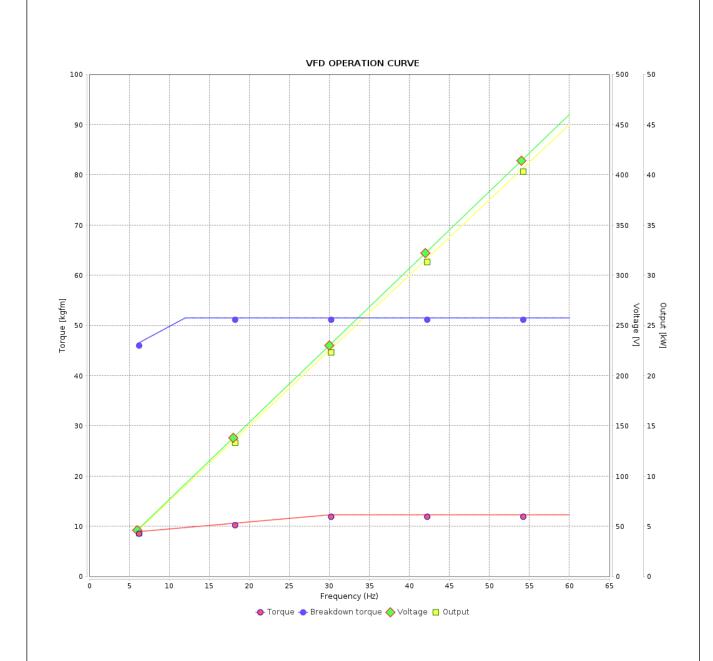
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### Three Phase Induction Motor - Squirrel Cage



Customer : Astraprom d.o.o.



Performance	: 4	60 V 60 Hz 2P					
Rated current	: 7	: 71.8 A		Moment of inertia (J)		: 0.2861 kgm²	
LRC	: 9	).1	Duty cycle	Duty cycle		: S1	
Rated torque	: 1	12.3 kgfm Insulation class		: F			
Locked rotor torq	ue : 3	20 % Service factor		: 1.00			
Breakdown torqu	e : 4	20 %	Temperati	Temperature rise		: 80 K	
Rated speed	: 3	: 3575 rpm		Design		: N	
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