DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer	: As	traprom d.o	0.0.							
Product line	: W22	IE3 Three-	Phase			Product o	code :	12863	156	
Frame Insulation class Duty cycle Ambient temper Altitude Protection degree		: 200L : F : S1 : -20°C t : 1000 m : IP55 : N	o +40°C n.a.s.l.		Approx.	g n ¹ method	ı (J)	: IC41 : B3T : Both : Direc : 243 k : 0.457	(CW a et On L	and CCW) Line
Output [kW]			15		15		15	5		15
Poles			8		8		8			8
Frequency [Hz]			50		50		50			60
Rated voltage [V]			0/660		400/690		41			460
Rated current [A]			9/19.5		33.0/19.1		33			28.7
L. R. Amperes [A]			3/87.8		162/93.7		17			158
LRC [A]			4.5		4.9		5.			5.5
No load current [A	\ 1		0/9.79		19.0/11.0		21			17.0
Rated speed [RPI			730		730		73			885
Slip [%]	IVIJ		2.67		2.67		2.0			1.67
Rated torque [kgf	ml		20.0		20.0		19			16.5
Locked rotor torque			160		200		22			200
Breakdown torque			180		200		22			229
Service factor	= [/0]						1.0			1.00
Temperature rise			1.00 80 K		1.00 80 K		80			80 K
	Locked rotor time		63s (cold) 0s (hot)		s (cold) 0s (hot)		52s (cold) 0s (hot)		720	(cold) 0s (hot)
Noise level ²			08 (1101) 0 dB(A)		6.0 dB(A)	101)	56.0 c			56.0 dB(A)
Noise level	25%	56.0	J UD(A)	5	0.0 ub(A)		30.0 0	ID(A)		30.0 ub(A)
	50%		39.4		88.5		88	_		89.5
Efficiency (%)	75%				89.9		 89			91.0
	100%	89.5 89.6			90.0					
			59.6		90.0		89	.0		91.0
	25%		2.00		0.50		0.5			0.55
Power Factor	50%		0.60		0.56		0.5			0.55
	75%		0.70		0.67		0.6			0.65
	100%	(0.75		0.73		0.7	0		0.72
Losses at norma	tive operating	points (sp	eed;torque), i	n percer	ntage of ra	ited outpu	ıt power			
	P1 (0	,9;1,0)	11.3		10	0.8		11.3		9.6
	P2 (0	,5;1,0)	9.8		9	0.3		9.8		8.3
	P3 (0,	25;1,0)	9.1		8	3.7		9.1		7.7
Losses (%)	P4 (0	,9;0,5)	5.6		5	5.4		5.6		4.8
	P5 (0	,5;0,5)	4.1		3	3.9		4.1		3.5
	P6 (0,	5;0,25)	2.9		2	2.8		2.9		2.5
	P7 (0,2	25;0,25)	2.1		2	2.0		2.1		1.8
Bearing type Sealing Lubrication inter	val	Drive 6 : 6312 2 : V'R	ZZ C3 6212	rive end 2 ZZ C3 Ring	Foundati Max. trac Max. cor		1	: 355 k : 599 k		
Lubricant amour Lubricant type		: - : M	lobil Polyrex E	- EM						
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.	e shaft end.	f +3dB(A).	nich		ipply, sub				th sinusoidal lated in IEC
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DATA SHEET

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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

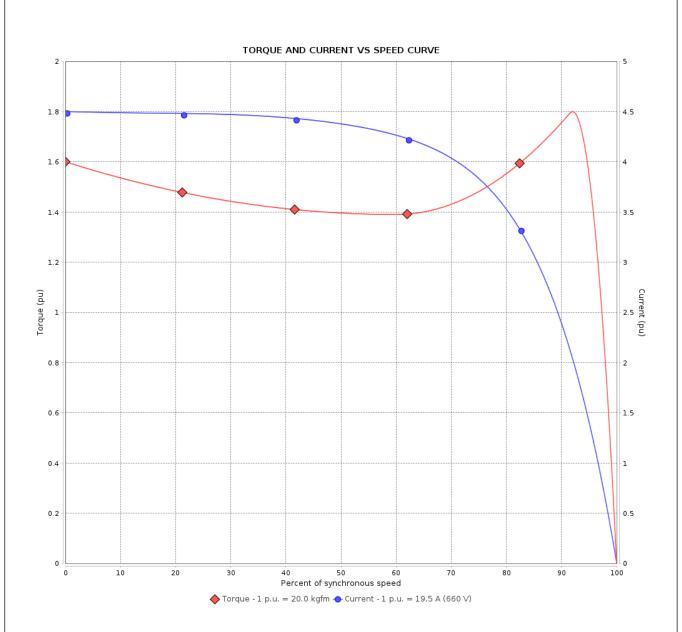
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Three Phase Induction Motor - Squirrel Cage



Customer : Astraprom d.o.o.

Product line : W22 IE3 Three-Phase Product code : 12863156



Performance	: 380/660 V 50 Hz 8P		
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 33.9/19.5 A : 4.5 : 20.0 kgfm : 160 % : 180 % : 730 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design	: 0.4571 kgm² : S1 : F : 1.00 : 80 K : N
	•		

Locked rotor time : 63s (cold) 0s (hot)

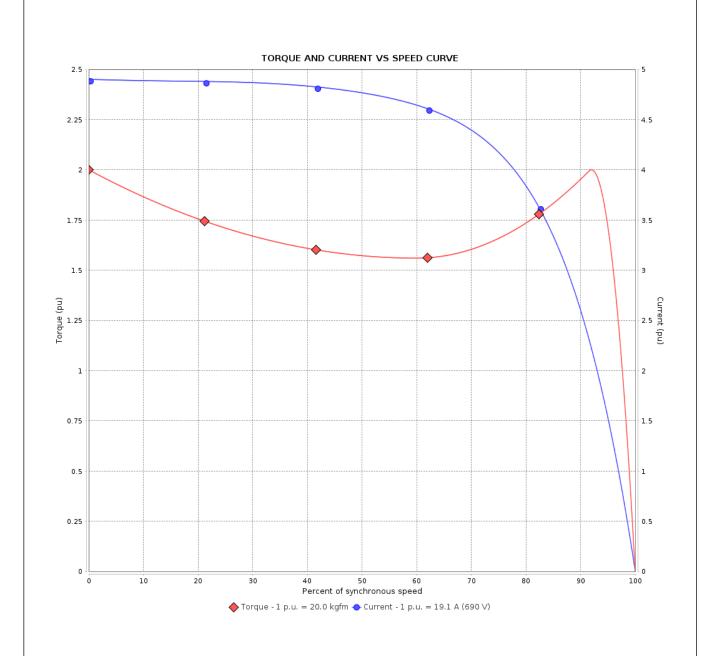
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Three Phase Induction Motor - Squirrel Cage



Customer : Astraprom d.o.o.

Product line : W22 IE3 Three-Phase Product code : 12863156



Performance	: 400/690 V 50 Hz 8P			
Rated current	: 33.0/19.1 A	Moment of inertia (J)	: 0.4571 kgm²	
LRC	: 4.9	Duty cycle	: S1	
Rated torque	: 20.0 kgfm	Insulation class	: F	
Locked rotor torque	: 200 %	Service factor	: 1.00	
Breakdown torque	: 200 %	Temperature rise	: 80 K	
Rated speed	: 730 rpm	Design	: N	

Locked rotor time : 57s (cold) 0s (hot)

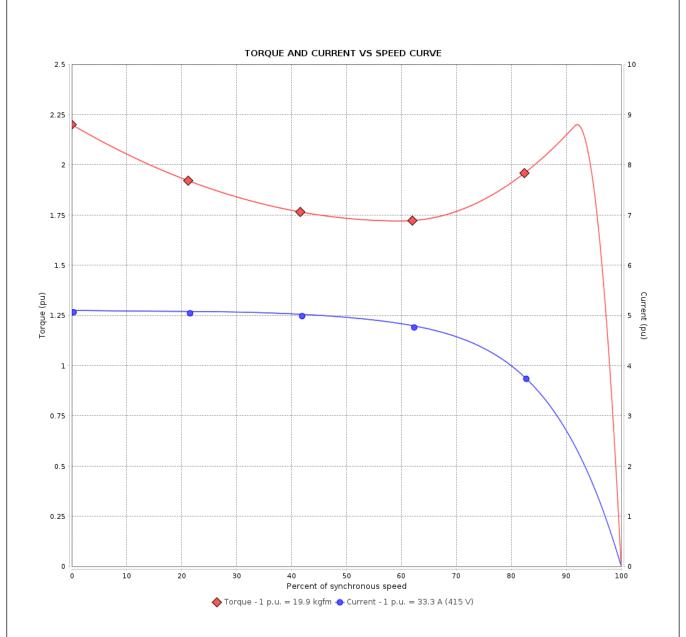
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Three Phase Induction Motor - Squirrel Cage



Customer : Astraprom d.o.o.

Product line : W22 IE3 Three-Phase Product code : 12863156



Performance : 415 V 50 Hz 8P

Rated current : 33.3 A Moment of inertia (J) : 0.4571 kgm²

LRC : 5.1 Duty cycle : S1 Rated torque Insulation class : F : 19.9 kgfm : 220 % Service factor Locked rotor torque : 1.00 : 80 K Breakdown torque : 220 % Temperature rise Rated speed : N : 735 rpm Design

Locked rotor time : 52s (cold) 0s (hot)

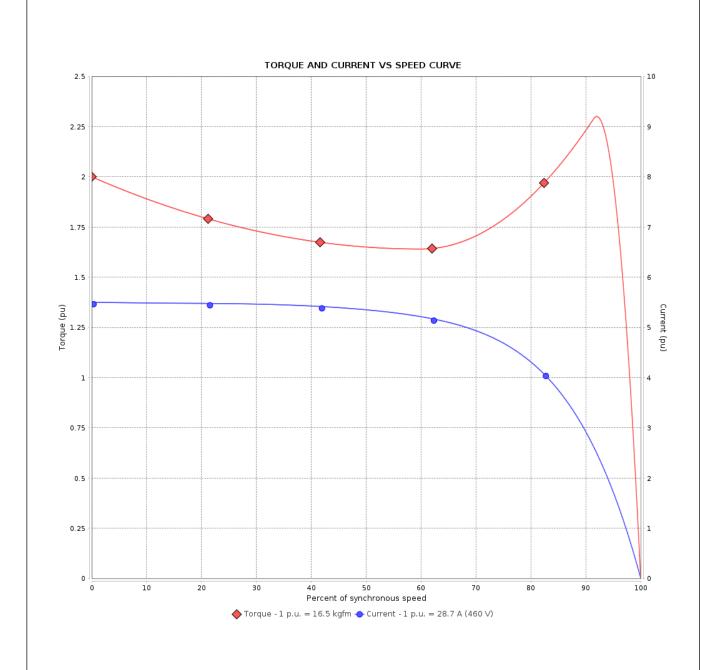
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Three Phase Induction Motor - Squirrel Cage



Customer : Astraprom d.o.o.

Product line : W22 IE3 Three-Phase Product code : 12863156



Performance	: 460 V 60 Hz 8P			
Rated current	: 28.7 A	Moment of inertia (J)	: 0.4571 kgm²	
LRC	: 5.5	Duty cycle	: S1	
Rated torque	: 16.5 kgfm	Insulation class	: F	
Locked rotor torque	: 200 %	Service factor	: 1.00	
Breakdown torque	: 229 %	Temperature rise	: 80 K	
Rated speed	: 885 rpm	Design	: N	

Locked rotor time : 73s (cold) 0s (hot)

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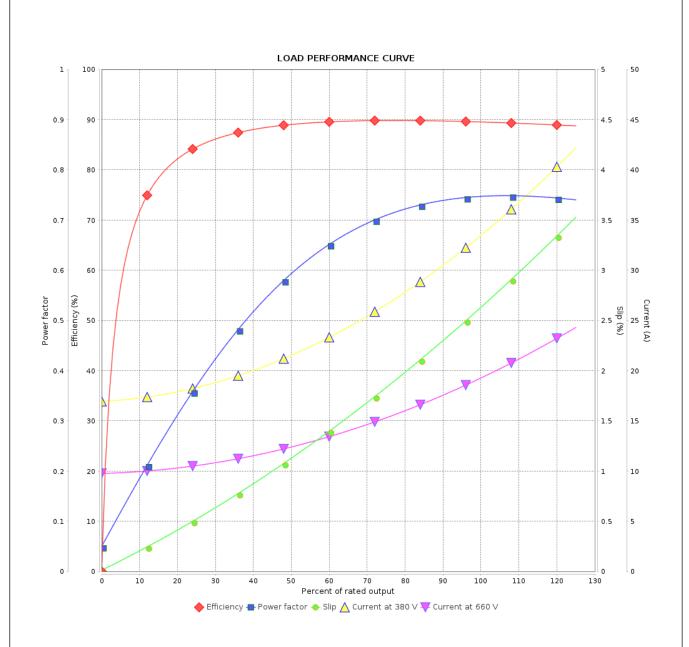
Customer : Astraprom d.o.o.

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Product line : W22 IE3 Three-Phase Product code : 12863156



Performance : 380/660 V 50 Hz 8P			8P			
LRC : 4.5		: 20.0 kgfm : 160 % : 180 %	Duty cyc Insulatio Service	on class	: 0.4571 kgm² : S1 : F : 1.00 : 80 K : N	2
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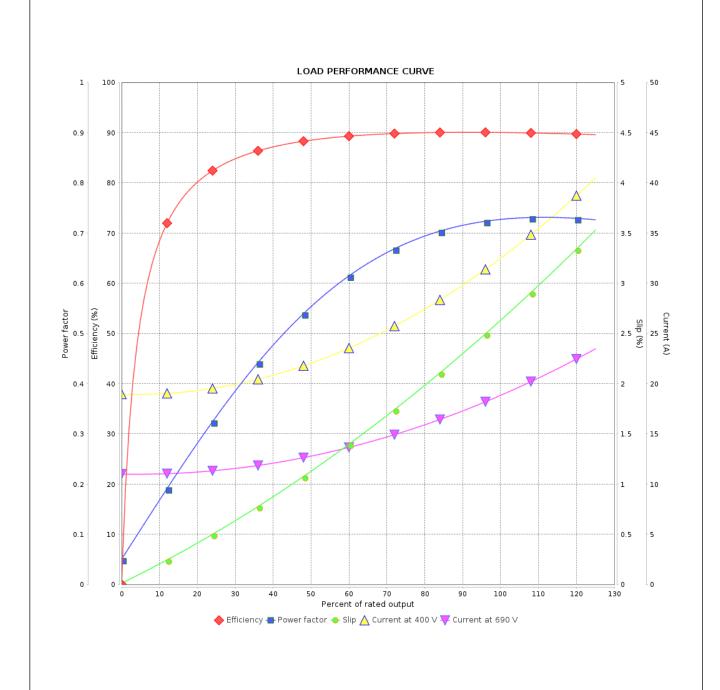
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Three Phase Induction Motor - Squirrel Cage



Customer : Astraprom d.o.o.



Performance	erformance : 400		: 400/690 V 50 Hz 8P			
Rated current	::	33.0/19.1 A	Moment o	f inertia (J)	: 0.4571 kgm²	
LRC	: 4	4.9	Duty cycle)	: S1	
Rated torque	: 2	20.0 kgfm	Insulation	class	: F	
Locked rotor torque	e : 2	200 %	Service fa	ctor	: 1.00	
Breakdown torque : 200 % Rated speed : 730 rg		200 %	Temperature rise		: 80 K	
		730 rpm	Design		: N	
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Three Phase Induction Motor - Squirrel Cage



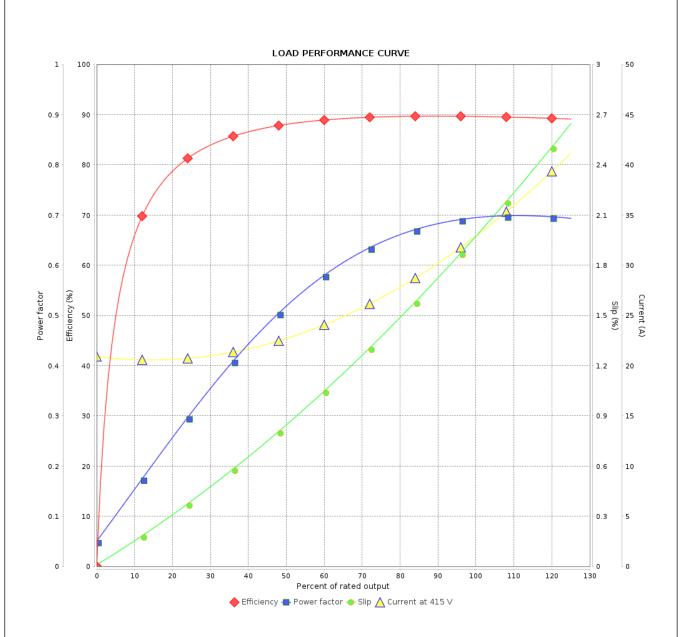
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Product line : W22 IE3 Three-Phase Product code : 12863156



Performance	: 4	15 V 50 Hz 8P				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 5 : 1 jue : 2	33.3 A 5.1 9.9 kgfm 220 % 220 % 735 rpm	Moment of Duty cycle Insulation Service fa Temperate Design	class ctor	: 0.4571 kgm ² : S1 : F : 1.00 : 80 K : N	
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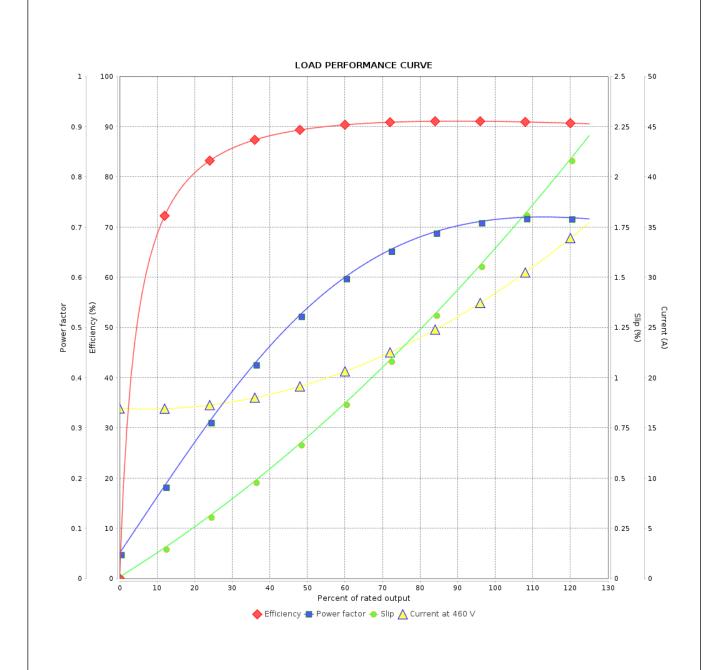
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Three Phase Induction Motor - Squirrel Cage



Customer : Astraprom d.o.o.

Product line : W22 IE3 Three-Phase Product code : 12863156



Performance	: 460 V 60 Hz 8P				
Rated current			Moment of inertia (J)		
LRC Rated torque	: 5.5 : 16.5 kgfm			: S1 : F	
Locked rotor torque	: 200 %			: 1.00	
Breakdown torque	: 229 %	Temperature	e rise	: 80 K	
Rated speed	: 885 rpm	Design		: N	
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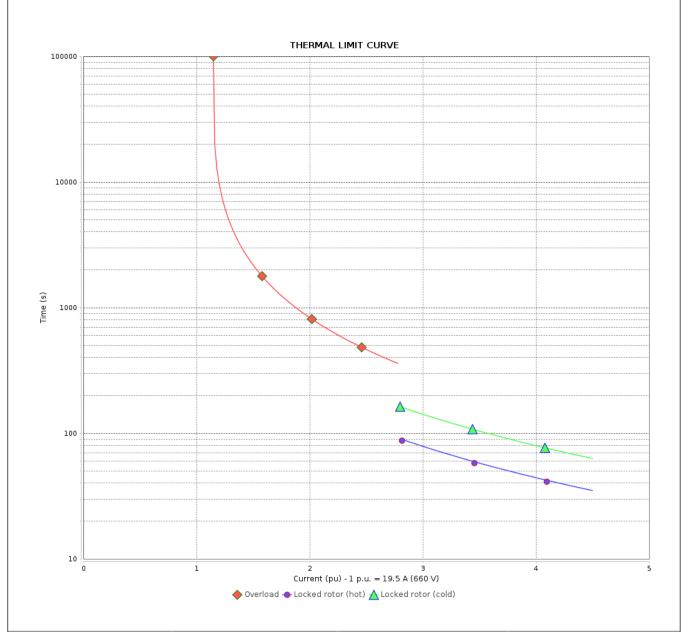
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Three Phase Induction Motor - Squirrel Cage



Customer : Astraprom d.o.o.

Product line : W22 IE3 Three-Phase Product code: 12863156



Performance	: 380/660 V 50 Hz 8P			
Rated current	: 33.9/19.5 A	Moment of inertia (J)	: 0.4571 kgm²	
LRC	: 4.5	Duty cycle	: S1	
Rated torque	: 20.0 kgfm	Insulation class	: F	
Locked rotor torque	: 160 %	Service factor	: 1.00	
Breakdown torque	: 180 %	Temperature rise	: 80 K	
Rated speed	: 730 rpm	Design	: N	
Heating constant				

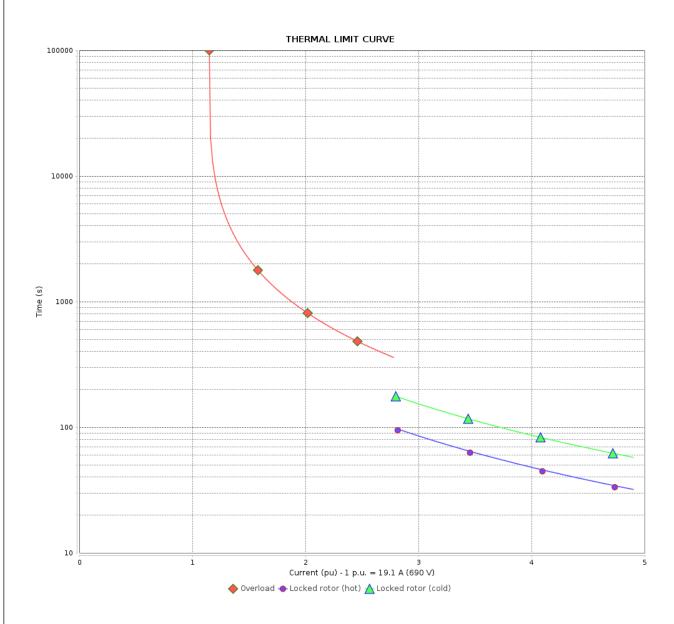
Cooling constant

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Three Phase Induction Motor - Squirrel Cage



Customer : Astraprom d.o.o.



Performance	: 400/690 V 50 Hz 8P			
Rated current	: 33.0/19.1 A	Moment of inertia (J)	: 0.4571 kgm²	
LRC	: 4.9	Duty cycle	: S1	
Rated torque	: 20.0 kgfm	Insulation class	: F	
Locked rotor torque	: 200 %	Service factor	: 1.00	
Breakdown torque	: 200 %	Temperature rise	: 80 K	
Rated speed	: 730 rpm	Design	: N	
Heating constant				
Cooling constant				
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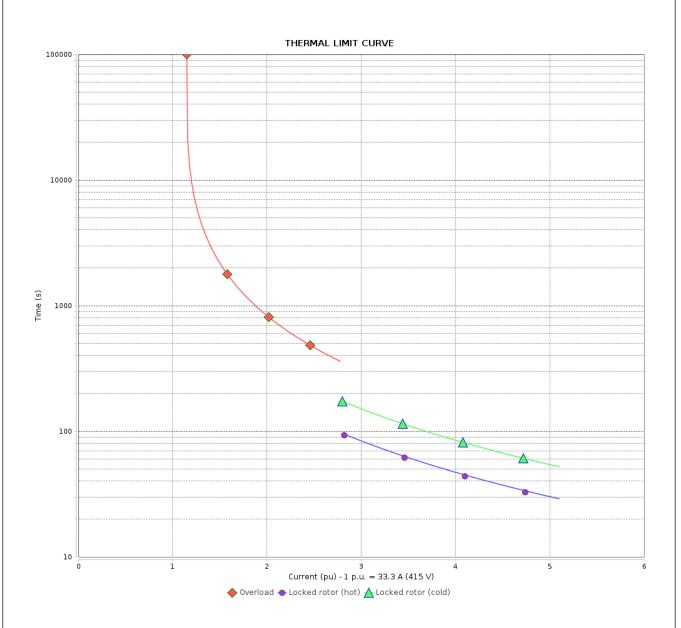
Cooling constant	ļ .				
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Three Phase Induction Motor - Squirrel Cage



Customer : Astraprom d.o.o.

Product line : W22 IE3 Three-Phase Product code: 12863156



Performance	: 415 V 50 Hz 8P			
Rated current	: 33.3 A	Moment of inertia (J)	: 0.4571 kgm²	
LRC	: 5.1	Duty cycle	: S1	
Rated torque	: 19.9 kgfm	Insulation class	: F	
Locked rotor torque	: 220 %	Service factor	: 1.00	
Breakdown torque	: 220 %	Temperature rise	: 80 K	
Rated speed	: 735 rpm	Design	: N	
Heating constant				
0				

Cooling constant

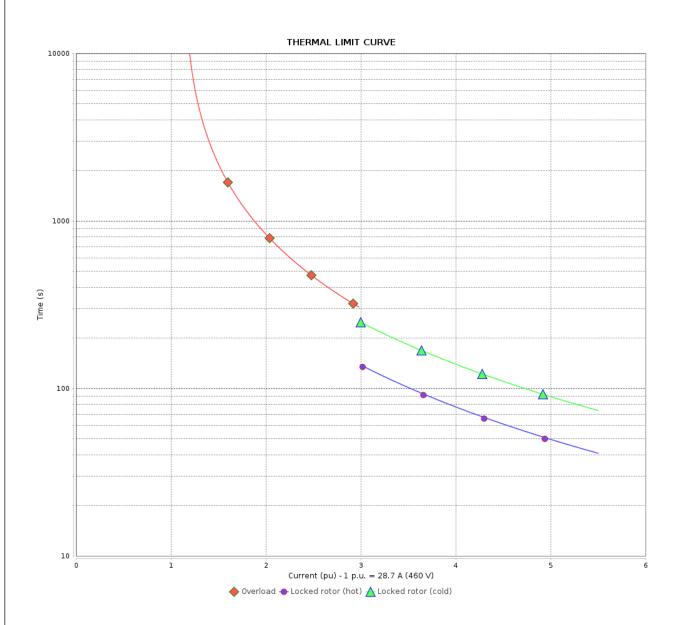
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Three Phase Induction Motor - Squirrel Cage



Customer : Astraprom d.o.o.

Product line : W22 IE3 Three-Phase Product code : 12863156



Performance : 460 V 60 Hz 8P : 28.7 A Moment of inertia (J) : 0.4571 kgm² Rated current **LRC** : 5.5 Duty cycle : S1 Insulation class : F Rated torque : 16.5 kgfm : 200 % : 1.00 Locked rotor torque Service factor : 229 % : 80 K Breakdown torque Temperature rise Rated speed : 885 rpm Design : N Heating constant Cooling constant

Cooling Constant	•				
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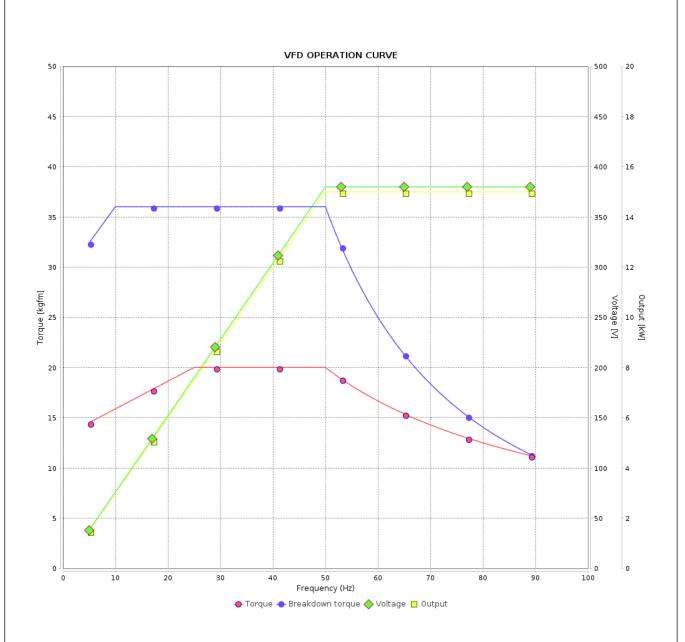
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Product line : W22 IE3 Three-Phase Product code : 12863156



Performance	: 380/660 V 50 Hz 8P				
Rated current LRC Rated torque Locked rotor tord Breakdown torqu Rated speed	: 33.9/19.5 A : 4.5 : 20.0 kgfm : 160 % : 180 % : 730 rpm	Moment of Duty cycle Insulation Service fa Temperat Design	class ector	: 0.4571 kgm² : S1 : F : 1.00 : 80 K : N	
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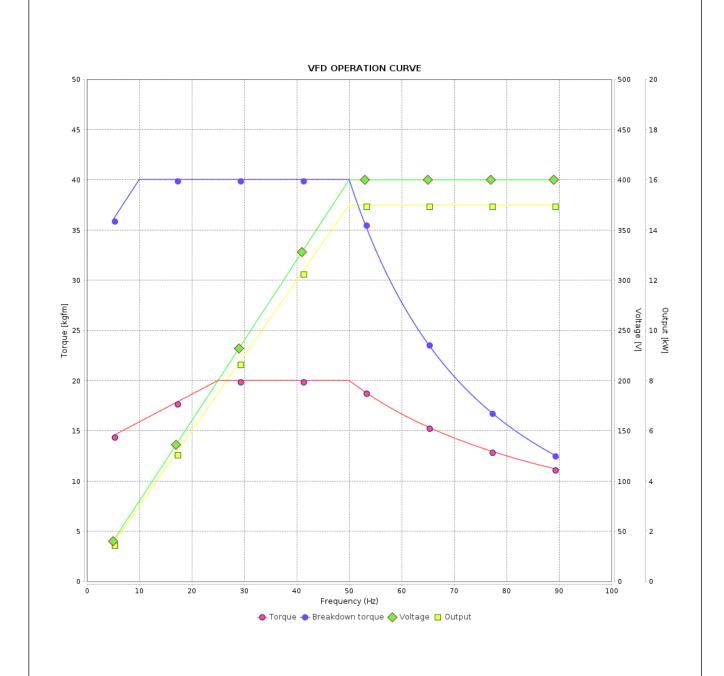
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Three Phase Induction Motor - Squirrel Cage



Customer : Astraprom d.o.o.

: W22 IE3 Three-Phase Product line Product code: 12863156

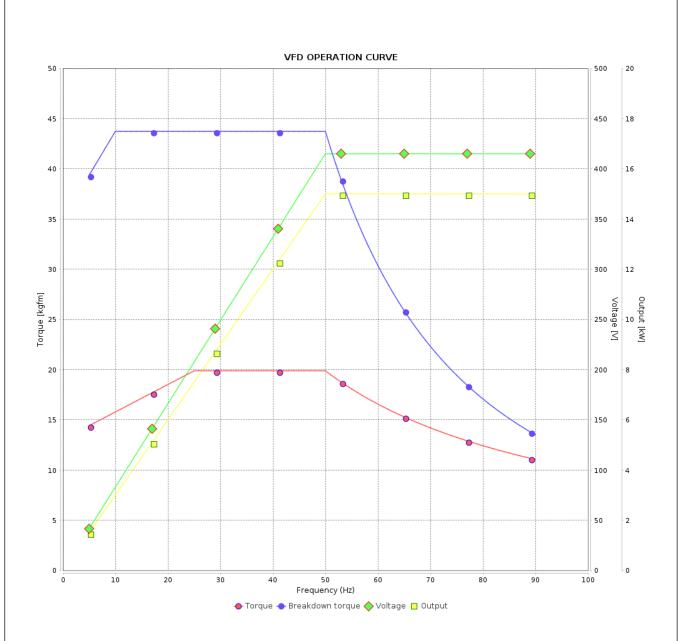


Performance	: 40	00/690 V 50 Hz 8P					
LRC : 4 Rated torque : 2		3.0/19.1 A 9 0.0 kgfm 00 %	Duty cycle Insulation	Moment of inertia (J) Duty cycle Insulation class Service factor		: 0.4571 kgm² : S1 : F : 1.00	
Breakdown torque Rated speed	e : 20	00 % 30 rpm	Temperature rise Design		: 80 K : N		
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Three Phase Induction Motor - Squirrel Cage



Customer : Astraprom d.o.o.



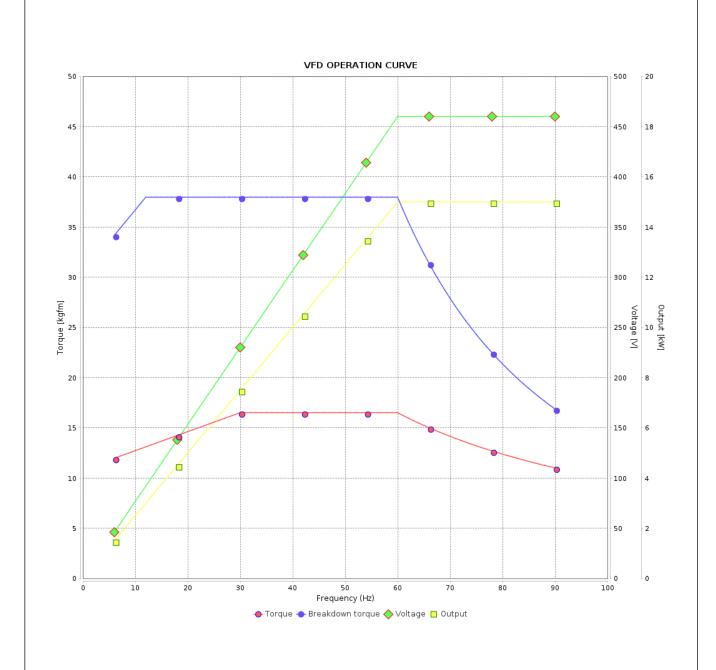
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Performance		: 415 V 50 Hz 8P				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed		: 33.3 A : 5.1 : 19.9 kgfm : 220 % : 220 % : 735 rpm	Duty cycle Insulation Service fa	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		2
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Three Phase Induction Motor - Squirrel Cage



Customer : Astraprom d.o.o.



Performance	: 460 V 60 Hz 8P					
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 28.7 A : 5.5 : 16.5 kgfm : 200 % : 229 % : 885 rpm	Duty cycle Insulation Service fa	Duty cycle : Sinsulation class : Finsulation class : Finsulation class : Finsulation class : Temperature rise : 80		F 1.00 80 K	
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