DATA SHEET

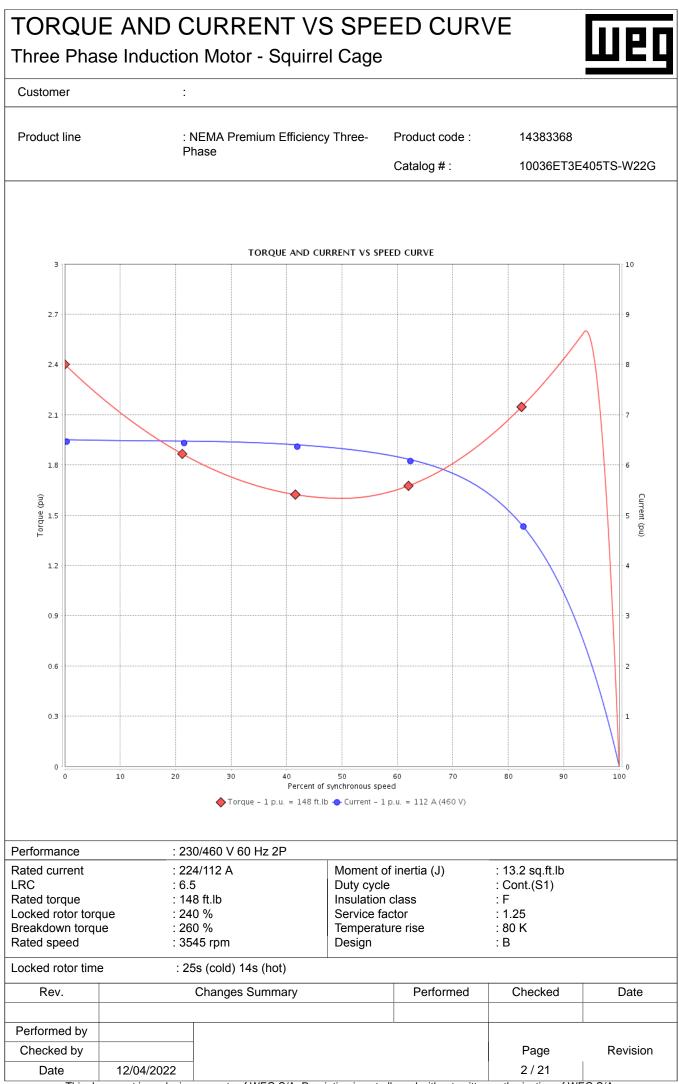
Three Phase Induction Motor - Squirrel Cage

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Customer

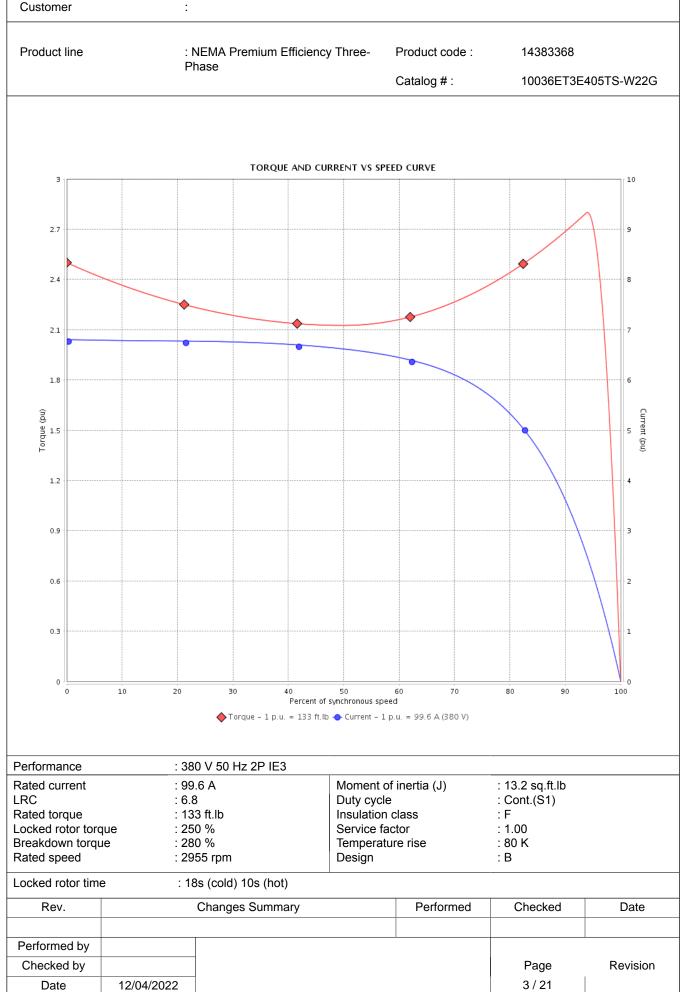
Product line	Product line : NEMA Premium Efficiency Three- Product code : Phase			oduct code :	1438336	14383368		
		Thase	Catalog # :		talog # :	10036E	10036ET3E405TS-W22G	
Altitude	nsulation class: FMountingDuty cycle: Cont.(S1)Rotation1Ambient temperature: -20°C to +40°CStarting methodAltitude: 1000 m.a.s.l.Approx. weight3Protection degree: IP55Moment of inertia (J)		ethod eight ³	: IC411 - TEFC : F-1 : Both (CW and CCW) : Direct On Line : 1107 lb : 13.2 sq.ft.lb				
Output [HP]		100	1	75	7	5	75	
Poles		2		2	2		2	
Frequency [Hz]		60		50	5		50	
Rated voltage [V]		230/460		380	40		415	
Rated current [A]		224/112		99.6	94		92.2	
. R. Amperes [A]		1456/728		677	71		756	
_RC [A]		6.5x(Code G)	6.8	Bx(Code G)	7.6x(C		8.2x(Code J)	
No load current [A	1	52.0/26.0	0.0	25.7	27		29.1	
Rated speed [RPN		3545		2955	29		2965	
Slip [%]	''I	1.53		1.50	1.3		1.17	
Rated torque [ft.lb]	1	148		133	1.3		133	
Locked rotor torqu		240		250	28		300	
Breakdown torque		240		280	31		330	
Service factor	.[\0]	1.25			1.0		1.00	
Temperature rise		80 K			80		80 K	
Locked rotor time		25s (cold) 14s (hot)					18s (cold) 10s (hot)	
Voise level ²								
	25%	79.0 dB(A) 92.8			74.0 c		74.0 dB(A) 93.1	
	25% 50%	92.0		92.4 93.0	92		93.1	
Efficiency (%)	50% 75%	93.0		93.0	93		93.5	
	100%							
		94.1		94.3	94		94.3	
	25%	0.61		0.59	0.5		0.53	
Power Factor	50%	0.83		0.82	3.0		0.78	
	75% 100%	0.88		0.88	3.0		0.85	
	100%		rive end				0.88	
Bearing type			6314 C3 Max. traction			: 762 lb		
Sealing			/Seal	Max. compr	ression	: 1869 lb		
Lubrication interv			000 h					
Lubricant amoun	τ		27 g					
Lubricant type		: Mobil Polyrex E						
Notes USABLE @208V	243A SF 1.1	0 SFA 268A						
must be eliminate (1) Looking the m	ed. lotor from the Im and with to veight subjec ocess.	olerance of +3dB(A).	hich				s with sinusoidal tipulated in NEMA	
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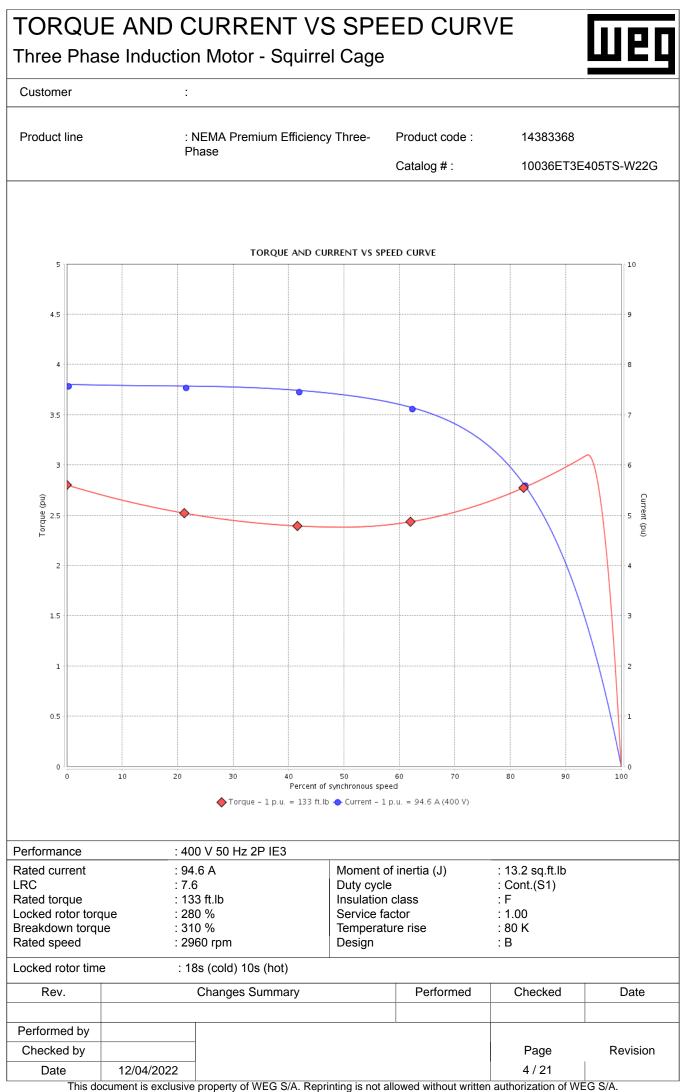
TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage

Customer



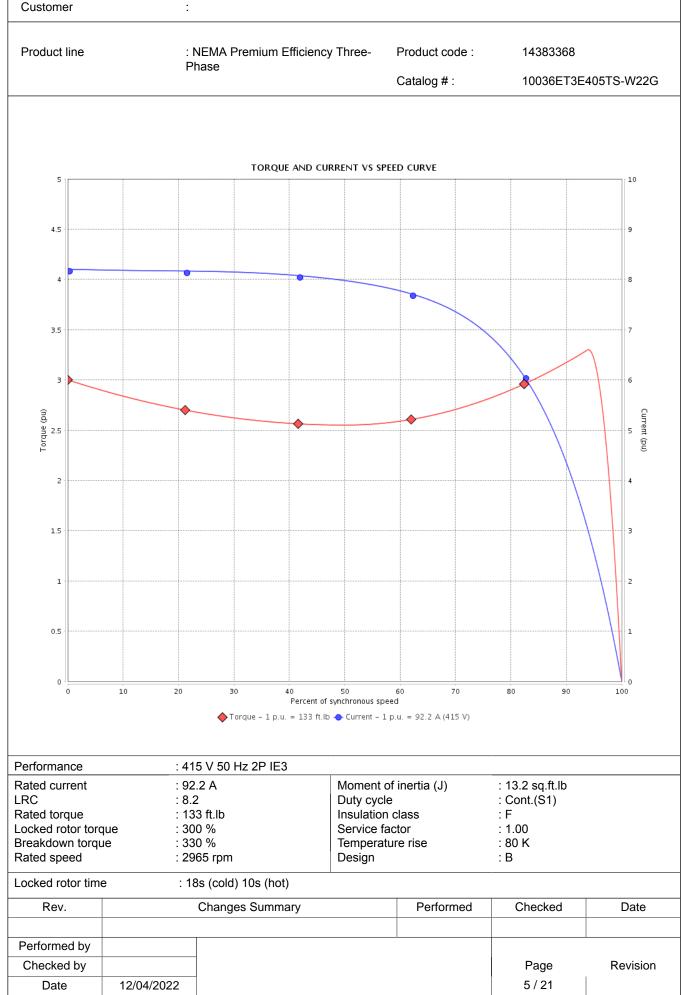
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TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage

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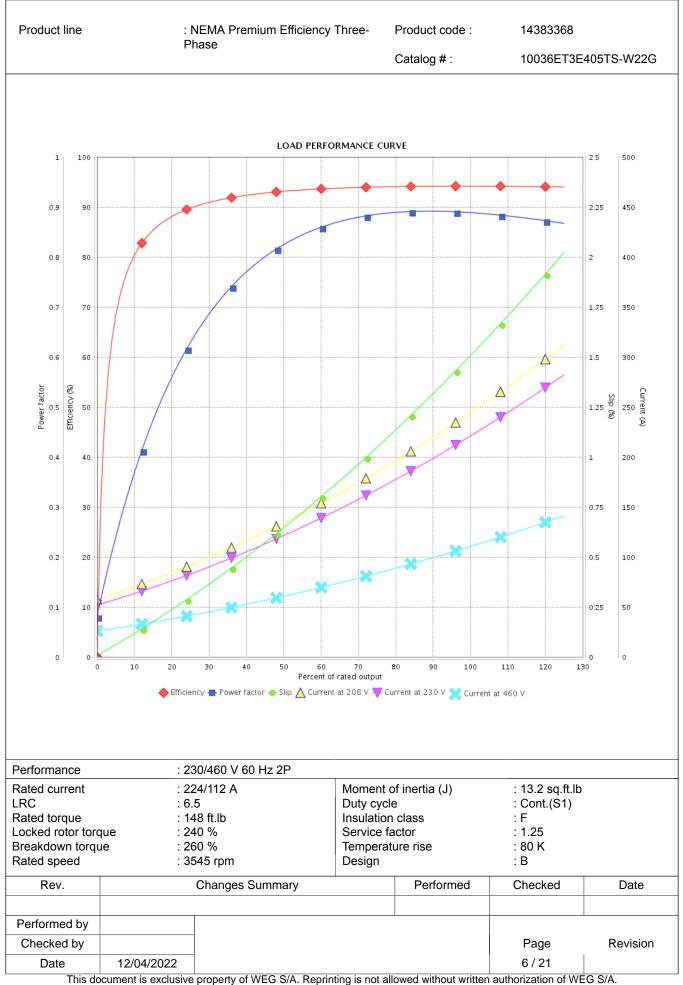
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Three Phase Induction Motor - Squirrel Cage

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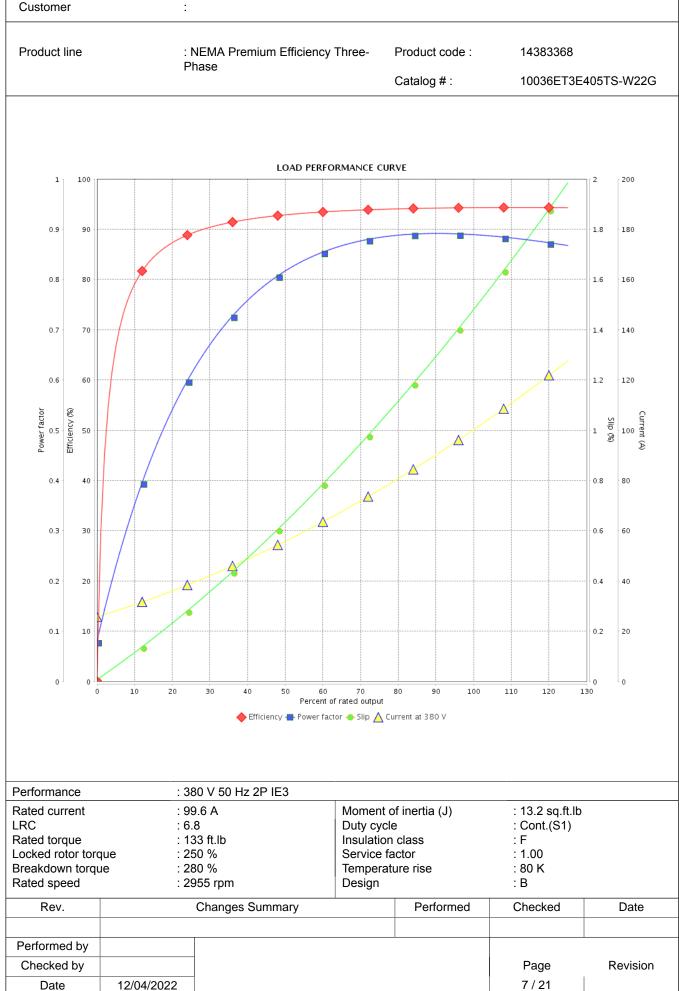


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Three Phase Induction Motor - Squirrel Cage

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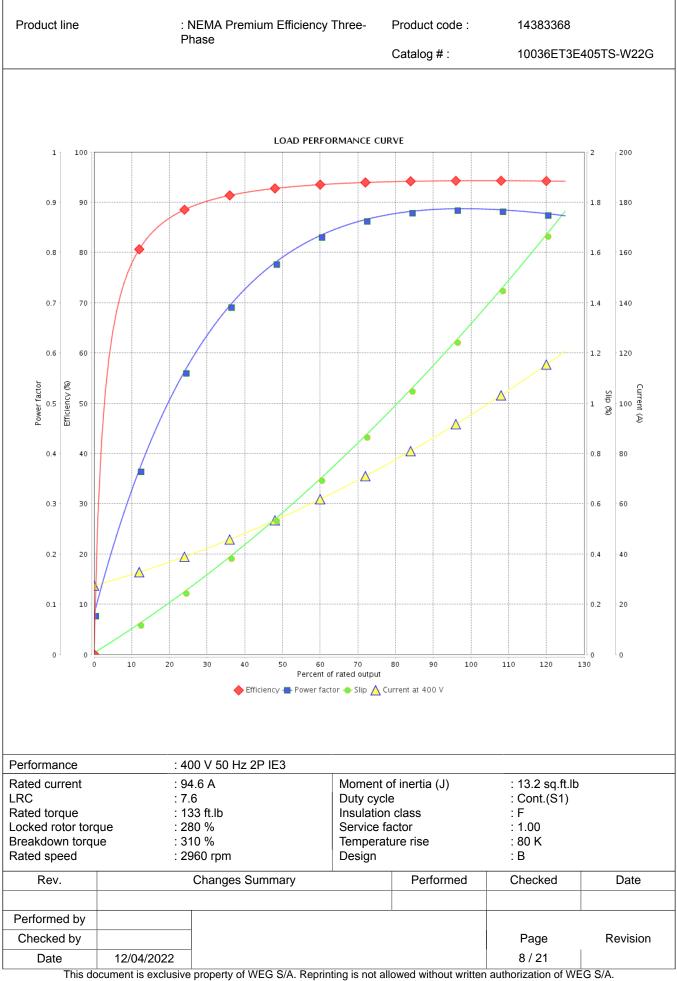
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Three Phase Induction Motor - Squirrel Cage

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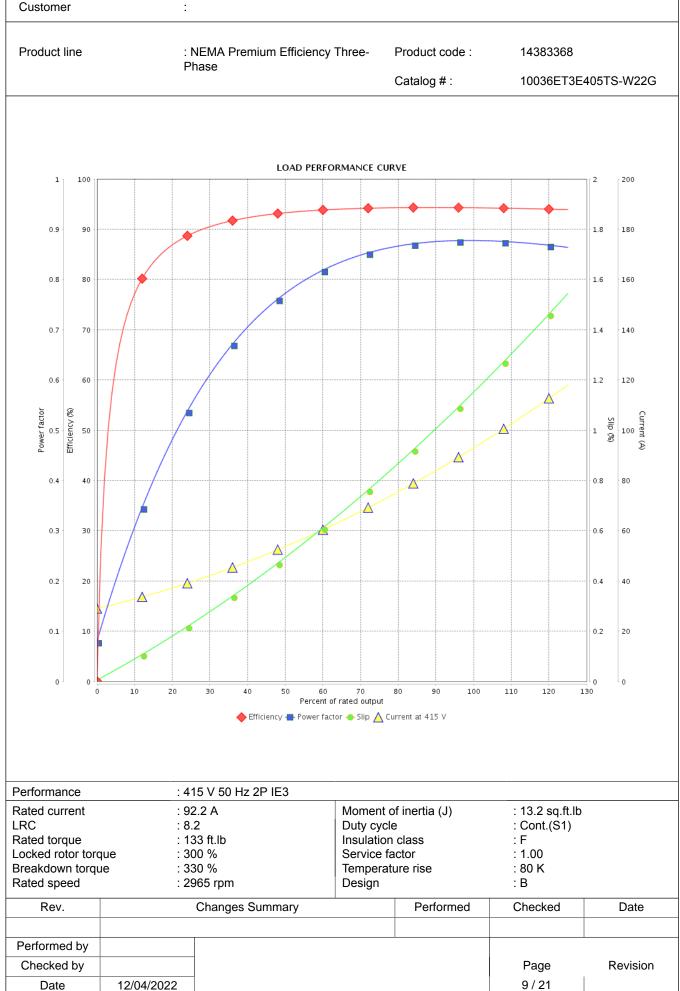


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Three Phase Induction Motor - Squirrel Cage

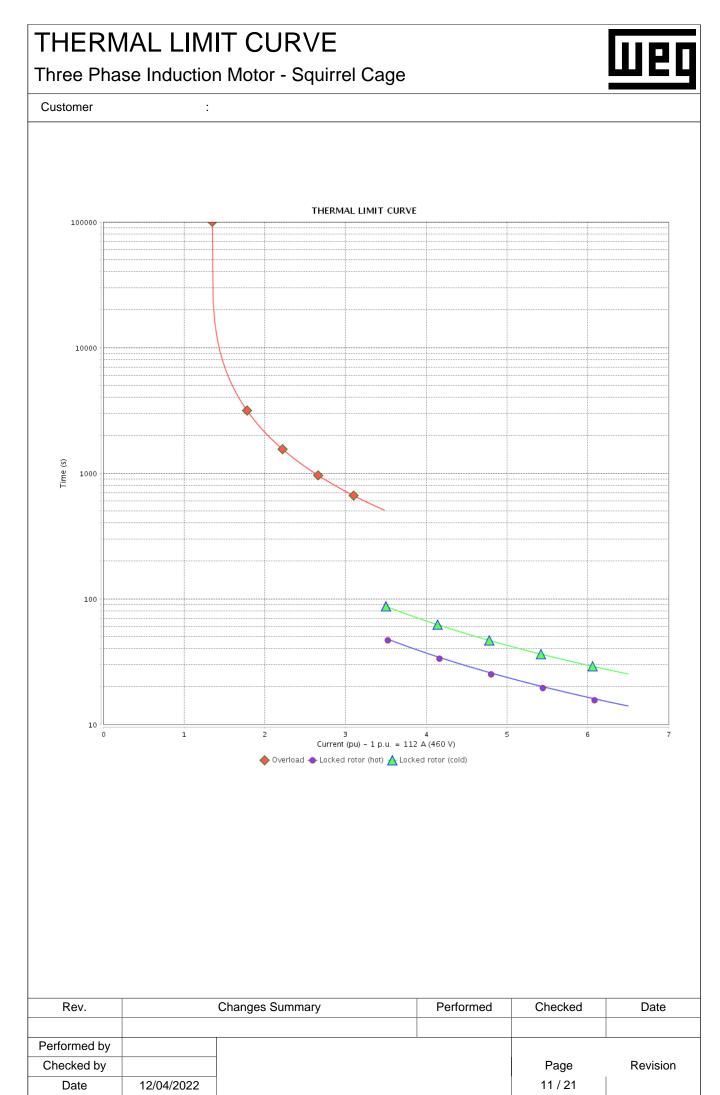
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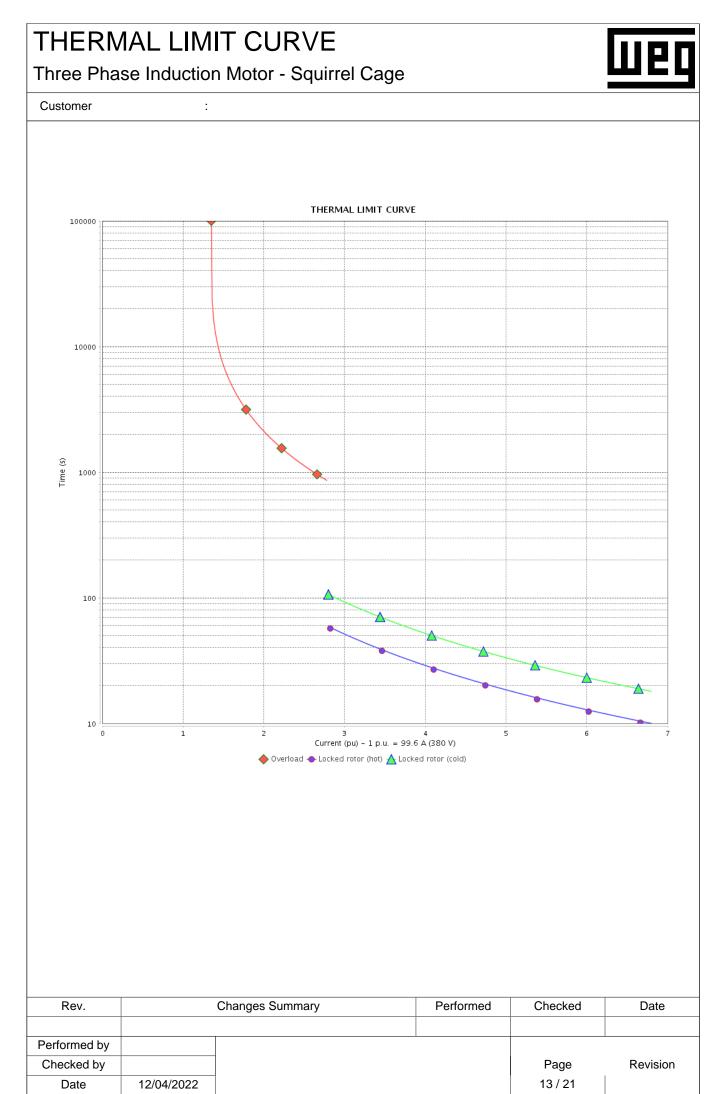
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	uction Motor - Squirrel (Cage	шец
Customer	:		
Product line	: NEMA Premium Efficiency Th Phase	nree- Product code : Catalog # :	14383368 10036ET3E405TS-W22G
Performance	: 230/460 V 60 Hz 2P		
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 224/112 A M : 6.5 E : 148 ft.lb I : 240 % S : 260 %	Moment of inertia (J) Duty cycle nsulation class Service factor Femperature rise Design	: 13.2 sq.ft.lb : Cont.(S1) : F : 1.25 : 80 K : B
Heating constant			

Heating constant	t				
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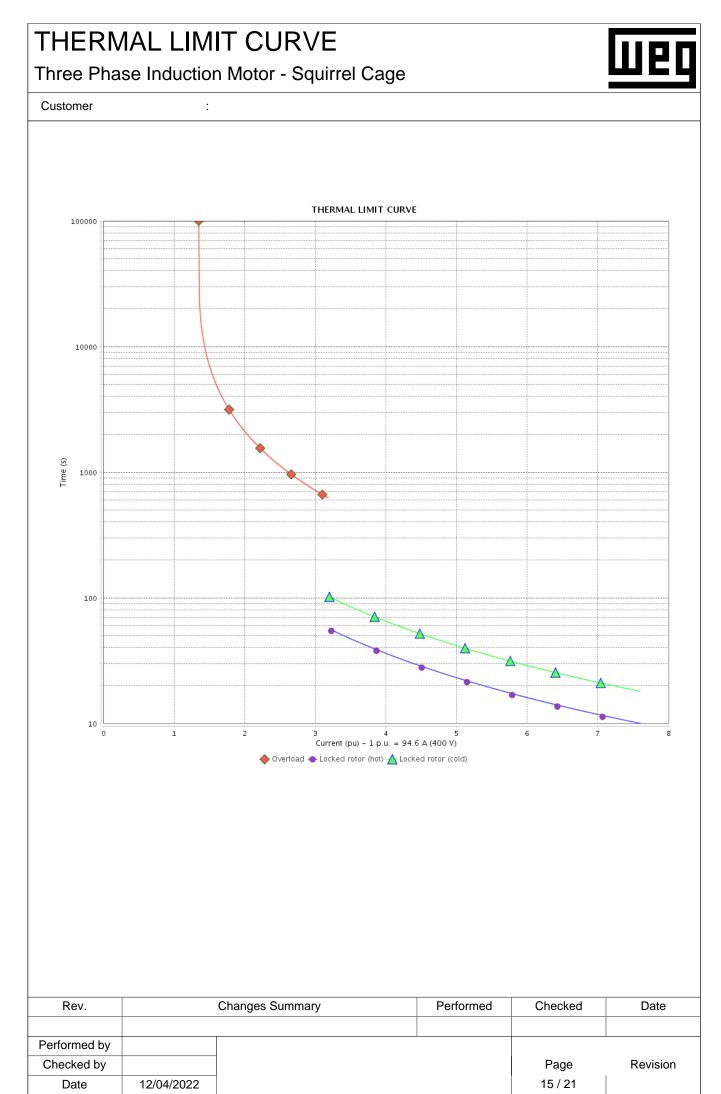
	LIMIT CURVE	`	Web
Customer	uction Motor - Squirrel C	aye	
Product line	: NEMA Premium Efficiency Th Phase	ree- Product code : Catalog # :	14383368 10036ET3E405TS-W22G
Performance	: 380 V 50 Hz 2P IE3		
Rated current LRC Rated torque	: 99.6 A M : 6.8 D : 133 ft.lb Ir	Noment of inertia (J) Outy cycle nsulation class	: 13.2 sq.ft.lb : Cont.(S1) : F
Locked rotor torque Breakdown torque Rated speed	: 280 % T	Service factor Temperature rise Design	: 1.00 : 80 K : B
Heating constant			

	L				
Cooling constant	t				
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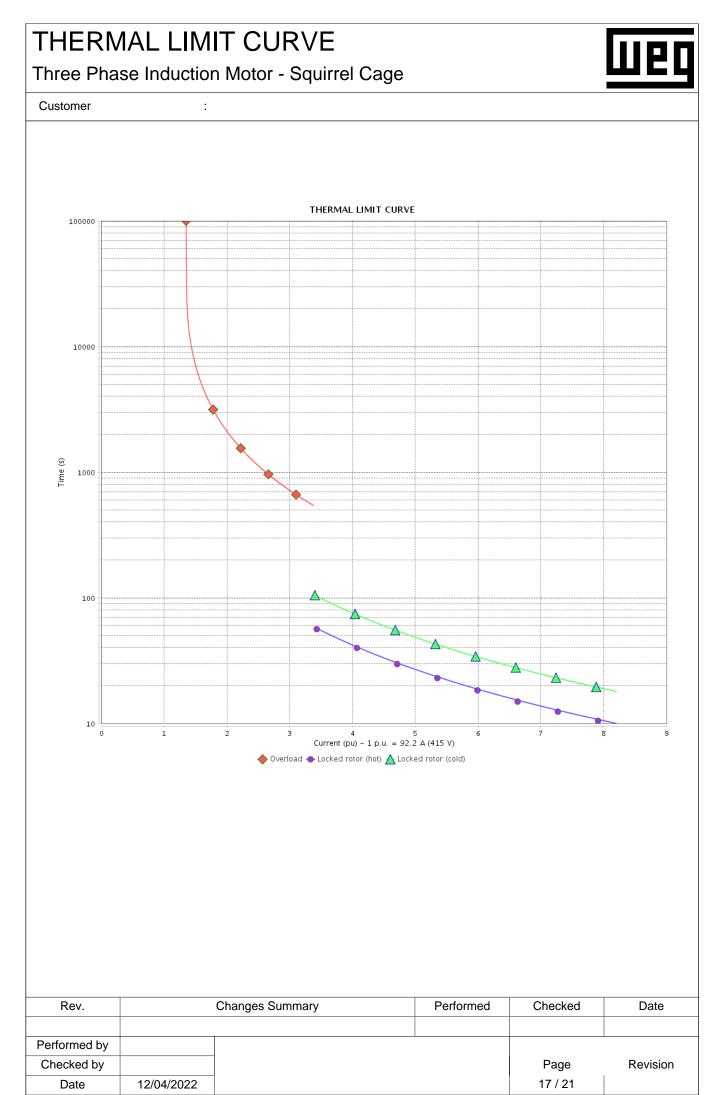
	LIMIT CURVE uction Motor - Squirrel (200	Web
Customer			
Product line	: NEMA Premium Efficiency Tr Phase	nree- Product code : Catalog # :	14383368 10036ET3E405TS-W22G
Performance	: 400 V 50 Hz 2P IE3		
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 94.6 A M : 7.6 E : 133 ft.lb I : 280 % S : 310 %	Moment of inertia (J) Duty cycle nsulation class Service factor Temperature rise Design	: 13.2 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B
Heating constant			

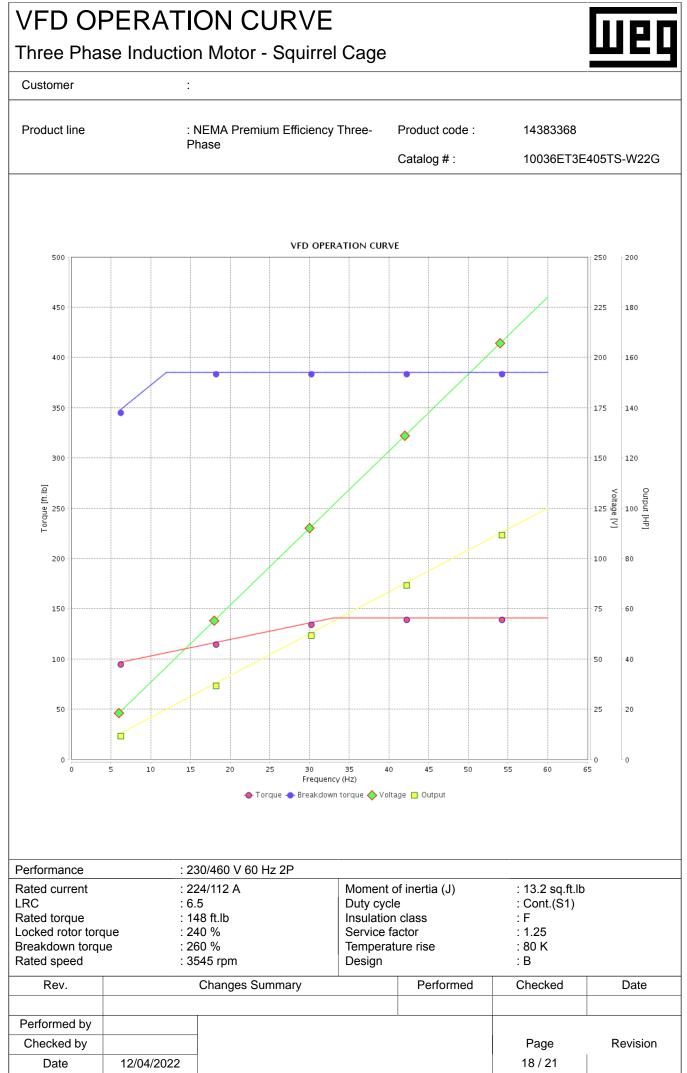
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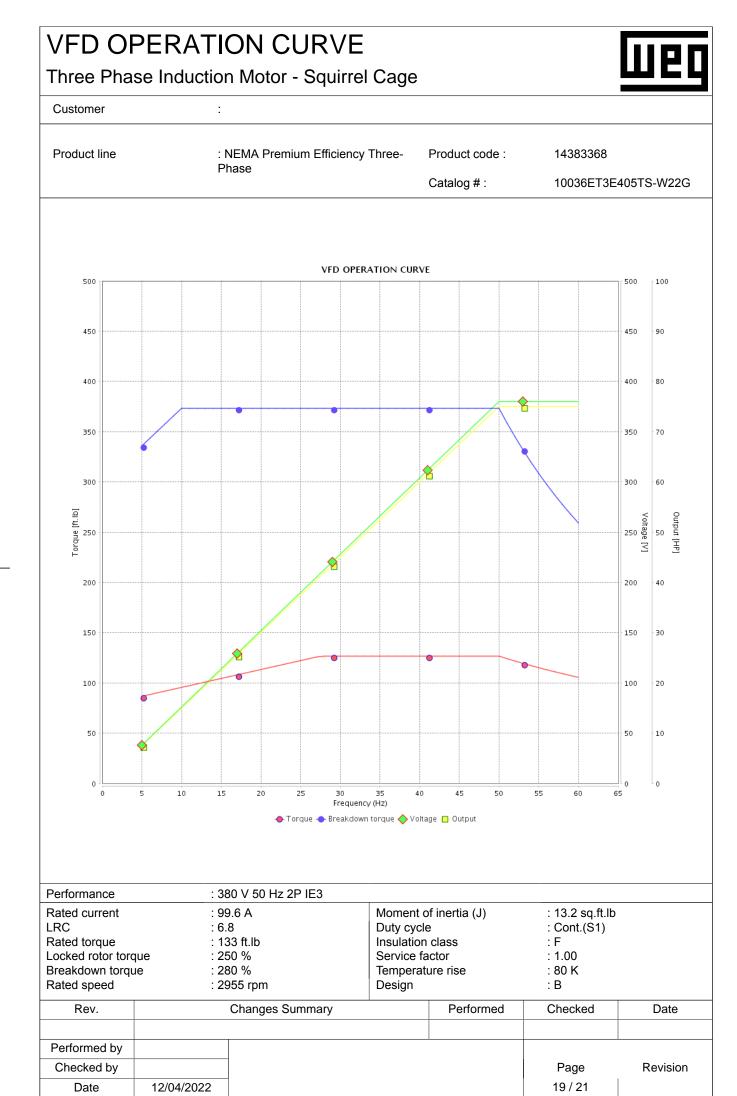


	IAL LIMIT CURVE se Induction Motor - Squirrel (Cage		Шео
Product line	: NEMA Premium Efficiency T Phase	hree- Product code : Catalog # :	14383368 10036ET3E	405TS-W22G
Performance	: 415 V 50 Hz 2P IE3			
Rated current LRC Rated torque Locked rotor torq Breakdown torqu	: 92.2 A : 8.2 : 133 ft.lb ue : 300 %	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise	: 13.2 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K	
Rated speed	: 2965 rpm	Design	: B	
Heating constant Cooling constant		1		
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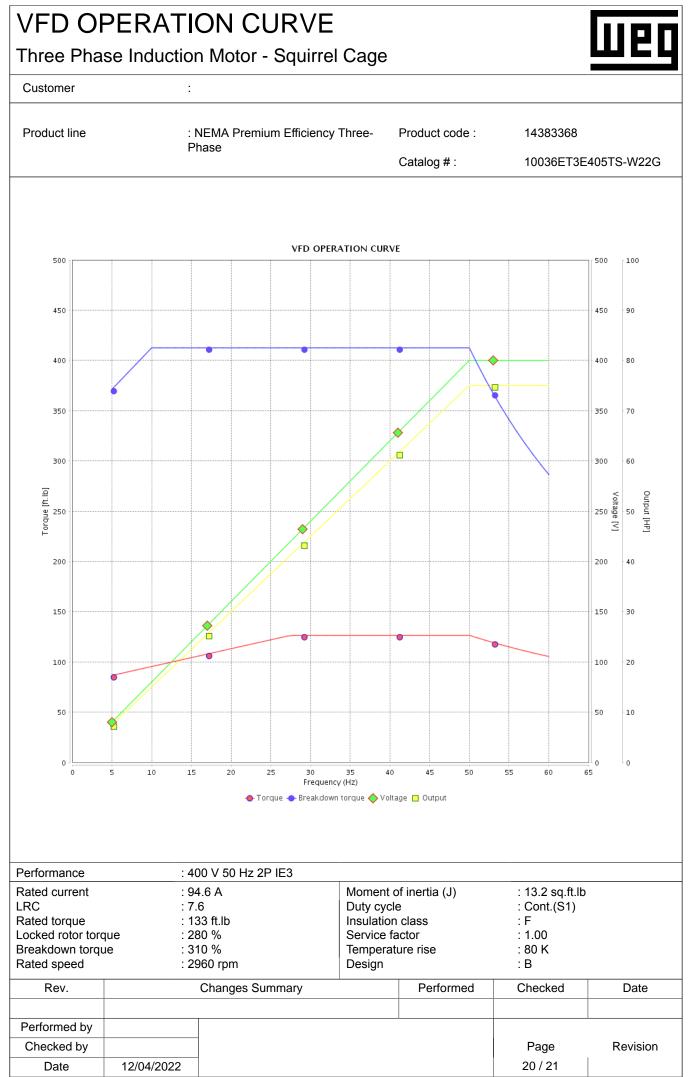
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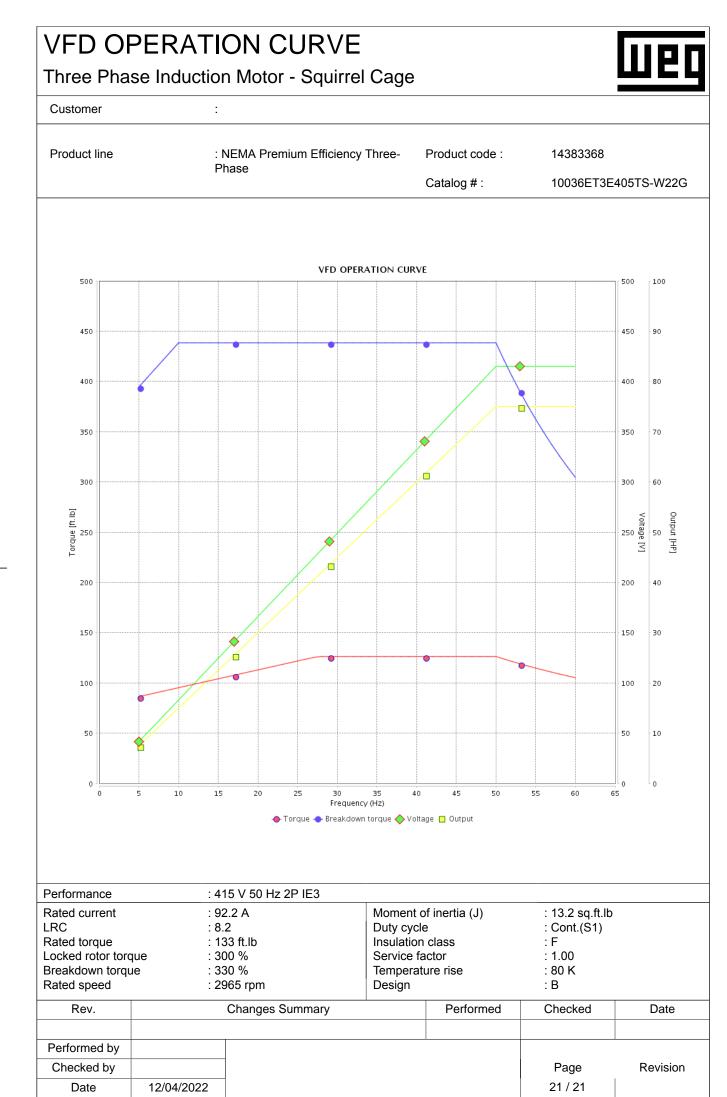




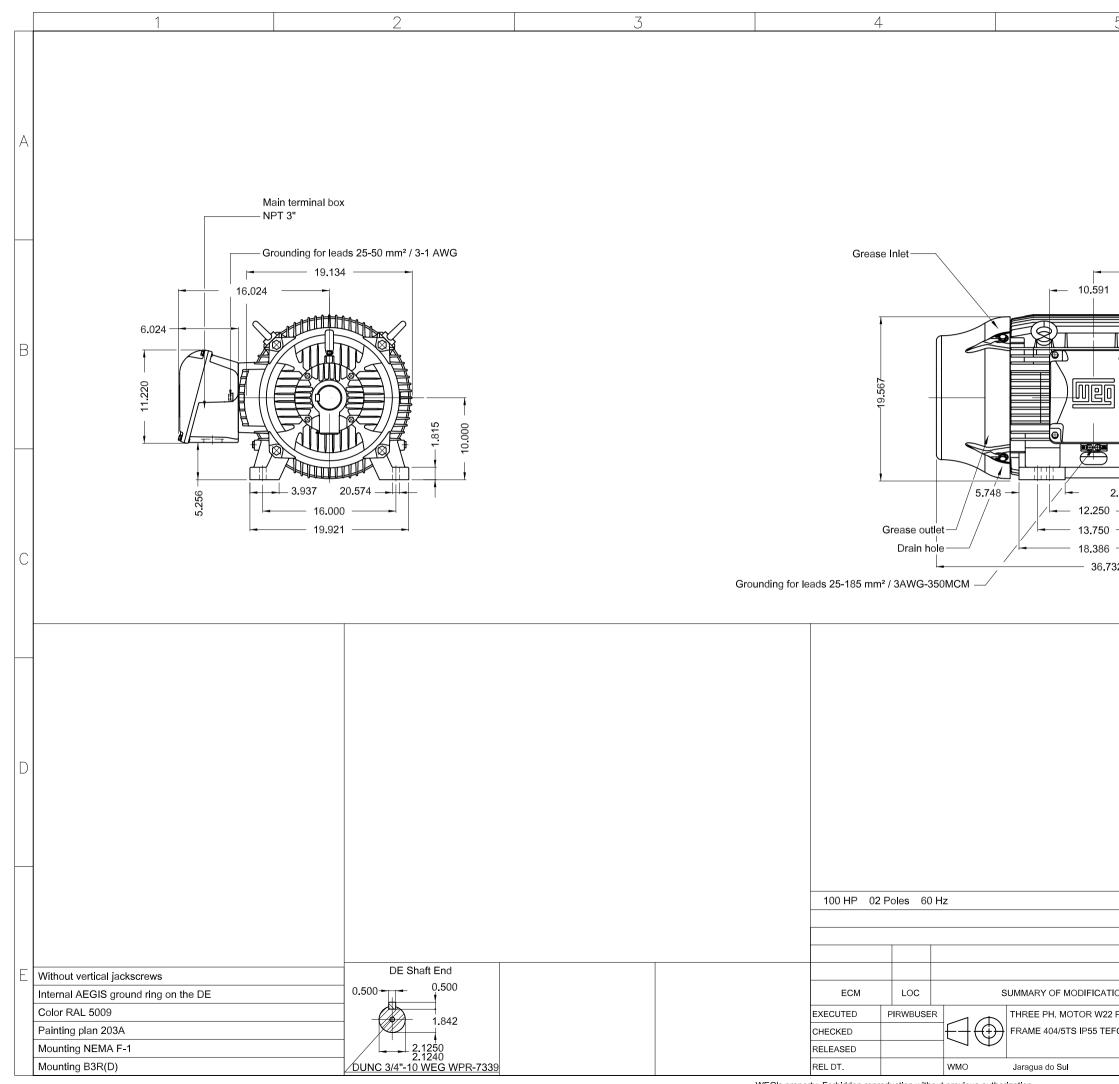
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MODEL 10036ET3E405TS-W220 MADE IN BRAZIL 14383368	$\begin{tabular}{ c c c c c c c c c c c c c c c c c c c$	100.0(75.0) Hz 60 RPM 3545 DES B INS. CL. F △T 80 K IP55 AMB. 40°C IFA 280/140 .10 SFA 267 SRPM SF1.00 EFF 94.3% (IE3)	$\begin{array}{c c c c c c c c c c c c c c c c c c c $