

Submittal Data

PROJECT:	UNIT TAG:	QUANTITY:	
	 TYPE OF SERVICE:		
REPRESENTATIVE:	 SUBMITTED BY:	DATE:	
ENGINEER:	APPROVED BY:	DATE:	
CONTRACTOR:	ORDER NO.:	 DATE:	

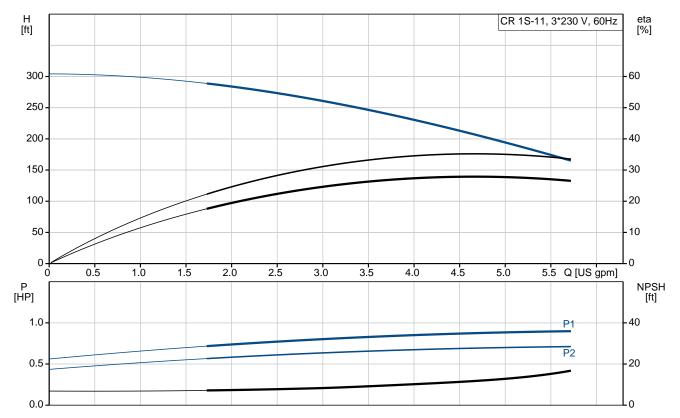


CR 1S-11 A-B-A-E-HQQE

Vertical, multistage centrifugal pump with suction and discharge ports on the same level. The pump head and base are in cast iron. All other wetted parts are in stainless steel (EN 1.4301)(AISI 304)

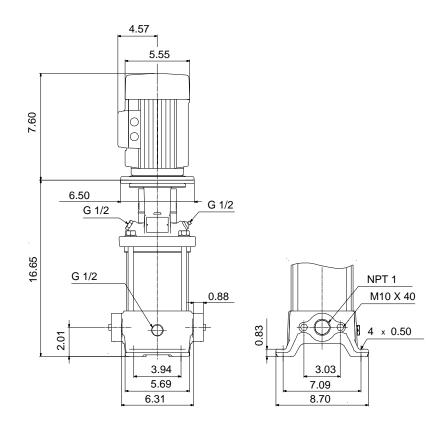
Product photo could vary from the actual product

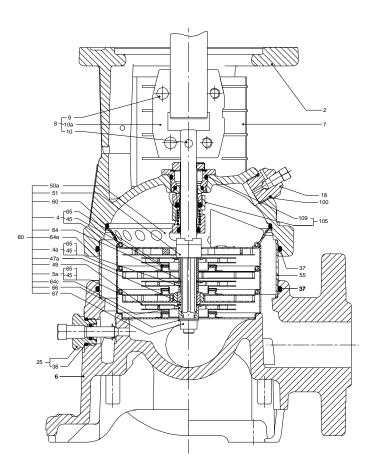
Conditions of Service		Pump Data Motor Data		or Data	
Flow:		Max pressure at stated temperature:	232 psi / 250 °F	Rated power - P2:	0.75 HP
Head:		Liquid temperature range:	-4 248 °F	Rated voltage:	208-230YY/460Y V
Efficiency:		Maximum ambient temperature:	104 °F	Main frequency:	60 Hz
Liquid:	Water	Approvals:	CURUS,NSF61	Enclosure class:	55 Dust/Jetting
Temperature:	68 °F	Shaft seal:	HQQE	Insulation class:	F
NPSH required:	ft	Product number:	96080894	Motor protection:	NONE
Viscosity:				Motor type:	71BA
Specific Gravity:	1.000			Motor_efficiency:	79.0-80.0 %



Submittal Data







Materials:	
matorialo	

Base:

Impeller:

Material code: A Code for rubber: E

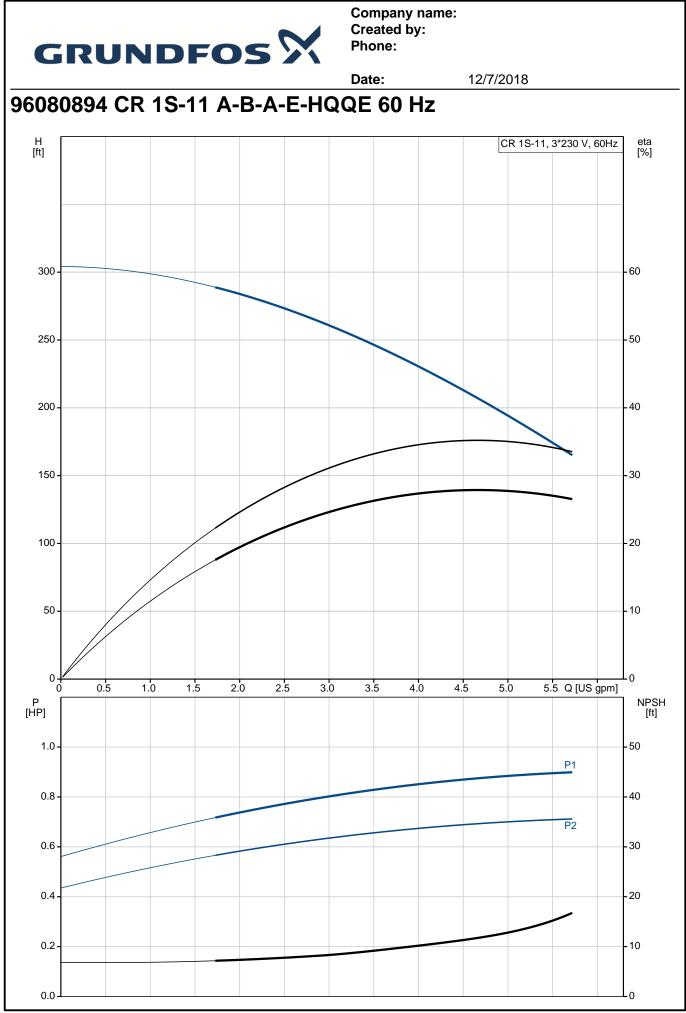
Cast iron EN 1561 EN-GJL-200 ASTM A48-25B Stainless steel AISI 304 EN 1.4301 A

Date: 12/7/2018 Position Court Description 1 CR 1S-11 A-B-A-E-HQQE Image: Comparison of the product No:: Separation of the product No:: Separation:: Separation of the product No:: <th>G</th> <th>RU</th> <th>INDFOS</th> <th>Company name Created by: Phone:</th> <th>:</th> <th></th>	G	RU	INDFOS	Company name Created by: Phone:	:			
1 CR 1S-11 A-B-A-E-HQQE Product No:: 9600894 Vertical: no:: 9600894 Vertical: no:: 9600894 Vertical: no:: 9600894 Vertical: no:: 9600894 The pump has the following characteristics: - Impeliers and intermediate chambers are made of - The shaft seal has assembly length according to EN 12756. - Power transmission is via cast iron split coupling. The motor is a 3-phase AC motor. Controls: Frequency converter: NONE Liquid imperature range: -4248 °F Liquid upperature range: -4248 °F Liquid upperature range: -4248 °F Liquid imperature range: -4248 °F Liquid imperature range: -4248 °F Liquid imperature range: -4248 °F Perspect: 2.2.9.16/19 Technical: Rated pump speed: Rated pump speed: 2.00.5.1 Pump orientation: Vertical Shaft seal arrangement: Single Code for shaft seal: HOQE Approvals on nameplate: CURUSINSF61 Curv					12/7/2018			
Product No: 9008094 Vertical, non-sell-priming, multistage, in-line, centrifugal pump for installation in pipe systems and mounting on a foundation. The pump has the following characteristics: House the prime of the prim of the prim of the prime of the prime of the prime of the prima	Position	Count	Description					
Vertical, non-self-priming, multistage, in-line, centrifugal pump for installation in pipe systems and moundation. The pump has the following characteristics: - Impeliers and intermediate chambers are made of - The shaft seal has assembly length according to EN 12756. - Power transmission is via cast iron split coupling. The motor is a 3-phase AC motor. Controls: Frequency converter: NONE Liquid temperature range: -4248 °F Liquid temperature adving operation: Bensity: 62:29 lb/ft ^a Technical: Rated flow: 4.84 US gpm Rated flow: 4.84 US gpm Rated flow: Vertical Shaft seal arrangement: Single Code for shaft seal: HQQE Approvals on nameplate: CURUS/NSF61 Curve tolerance: ISO9906:2012 3B Materials: Ease: Base: Cast iron EN 1561 EN-GJL-200 ASTM A48-25B Impeller: Staft 304 Bearing: SIC Installation: Maximum ambient temperature: 104 °F <t< td=""><td></td><td>1</td><td>CR 1S-11 A-B-A-E-HQQE</td><td></td><td></td><td></td></t<>		1	CR 1S-11 A-B-A-E-HQQE					
Vertical, non-self-priming, multistage, in-line, centrifugal pump for installation in pipe systems and mounding on a foundation. The pump has the following characteristics: - Impellers and intermediate chambers are made of - The shaft seal has assembly length according to EN 12756. - Power transmission is via cast iron split coupling. The motor is a 3-phase AC motor. Controls: Frequency converter: NONE Liquid temperature range: -4248 °F Liquid temperature and go appendent of the systems Pumped liquid: Water Liquid temperature range: -4248 °F Liquid temperature and go appendent 68 °F Density: 62.29 lb/ft³ Technical: Rated flow: Rated flow: 4.84 US gpm Rated flow: Vertical Shaft seal arrangement: Single Code for shaft seal: HQQE Approvals on nameplate: CURUS/NSF61 Curve tolerance: ISO906:2012 3B Materials: Base: Base: Cast iron EN 1561 EN-GJL-200 ASTM A48-25B Impeller: Stant A82-25B Impeller:<								
The pump has the following characteristics: Impellers and intermediate chambers are made of The shaft seal has assembly length according to EN 12756. Power transmission is via cast iron split coupling. The motor is a 3-phase AC motor. Controls: Frequency converter: NONE Liquid: Pumped liquid: Water Liquid temperature range: -4243 °F Liquid temperature during operation: 68 °F Density: 62.29 ib/ft ³ Technical: Rated pump speed: 3439 rpm Rated flow: 4.84 US gpm Rated flow: 4.84 US gpm Rated flow: 4.84 US gpm Rated flow: Vertical Shaft seal arrangement: Single Code for shaft seal: HOQE Approvals on nameplate: CURUS,NSF61 Curve tolerance: ISO9906:2012 3B Materials: Base: Cast iron EN 1561 EN-GJL-200 ASTM A48-25B Impeller: Stainless steel EN 1.4301 AISI 304 Bearing: SIC Installation: Maximum ambient temperature: 104 °F Maximum ambient temperature: 232 psi / 250 °F			Vertical, non-self-priming, multis centrifugal pump for installation i					
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The motor is a 3-phase AC motor. Controls: Frequency converter: NONE Liquid: Water Liquid temperature range: -4 248 °F Liquid temperature during operation: 68 °F Density: 62.29 lb/ft³ Technical: Rated pump speed: Rated flow: 4.84 US gpm Rated flow: 4.84 US gpm Rated head: 200.5 ft Pump orientation: Vertical Shaft seal arrangement: Single Code for shaft seal: HQQE Approvals on nameplate: CURUS,NSF61 Curve tolerance: IS09906:2012 3B Materials: EN 1561 EN-GJL-200 ASTM A48-25B EN 14301 AISI 304 Bearing: Bearing: SIC Installation: Maximum operature: 104 °F Maximum operaturg pressure: 232 psi Max pressure at stated temperature: 232 psi / 250 °F			 Impellers and intermediat The shaft seal has assem according to EN 12756. Power transmission is via 	e chambers are made of bly length				
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Frequency converter: NONE Liquid: Water Liquid temperature range: -4248 °F Liquid temperature during operation: 68 °F Density: 62.29 lb/ft³ Technical: Rated pump speed: Rated flow: 4.84 US gpm Rated head: 200.5 ft Pump orientation: Vertical Shaft seal arrangement: Single Code for shaft seal: HQQE Approvals on nameplate: CURUS,NSF61 Curve tolerance: ISO9906:2012 3B Materials: Base: Base: Cast iron EN 1,651 EN-GJL-200 ASTM A48-25B Impeller: Stainless steel EN 1,4301 AISI 304 Bearing: SIC Installation: Maximum operating pressure: 232 psi Max pressure at stated temperature: 232 psi Max pressure at stated temperature: 232 psi			The motor is a 3-phase AC motor.					
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Maximum operating pressure: 232 psi Max pressure at stated temperature: 232 psi / 250 °F				404 %				
Max pressure at stated temperature: 232 psi / 250 °F								
Type of connection: Oval / NPT(F)			Type of connection:					



Company name: Created by:

ition Court Description Size of suction port: 1 inch Size of suction port: 1 inch Pressure rating for pipe connection: PN 16 Flange size for motor: 56C Electrical data: NEMA Motor standard: NEMA Motor standard: NEMA Motor type: 0.75 HP Power (P2) required by pump: 0.75 HP Power (P2) required by pump: 0.75 HP Main frequency: 60 Hz Service factor: 1.25 Rated voltage: 3 x 208-230Y1/460Y V Service factor: 1.42 Rated voltage: 3 x 30-230Y1/460Y V Service factor: 0.84-0.78 Rated speed: 3430-3460 rpm Motor stricter: 0.84-0.78 Rated speed: 3430-3460 rpm Motor difficiency at full lead: 70-80.0 % Number of poles: 2 Enclosure class (IEC 84-5): 55 Dust/Jetting Insulation class (IEC 84-5): F Others: Net weight: Net weight: 63.7 lb Gross weight: 64.7 lb Shipping volume: 4.94 ft ^a Country of origin: US Custom tariff no.:			INDFOS	Date:	12/7/2018
Size of outlet port: 1 inch Pressure rating for pipe connection: PN 16 Flange size for motor: 56C Electrical data: Motor standard: NEMA Motor type: 71BA Rated power - P2: 0.75 HP Power (P2) required by pump: 0.75 HP Main frequency: 60 Hz Rated voltage: 3 x 208-230YY/460Y V Service factor: 1.25 Rated current: 2,40-2,30/1,20 A Starting current: 590-650 % Cos phi - power factor: 0.84-0.78 Rated speed: 3430-3460 rpm Motor efficiency at full load: 79.0-80.0 % Number of poles: 2 Enclosure class (IEC 34-5): 55 Dust/Jetting Insulation class (IEC 34-5): F Net weight: 53.7 lb Gross weight: 64.7 lb Shipping volume: 4.94 ft ³ Country of origin: US	ition	Count	Description		
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Insulation class (IEC 85): F Others: Net weight: 53.7 lb Gross weight: 64.7 lb Shipping volume: 4.94 ft ³ Country of origin: US					
Others:Net weight:53.7 lbGross weight:64.7 lbShipping volume:4.94 ft³Country of origin:US					
Net weight:53.7 lbGross weight:64.7 lbShipping volume:4.94 ft³Country of origin:US			Insulation class (IEC 85):	F	
Gross weight:64.7 lbShipping volume:4.94 ft³Country of origin:US					
Shipping volume:4.94 ft³Country of origin:US					
Country of origin: US					
			Custom tanii no.:	8413.70.2040	



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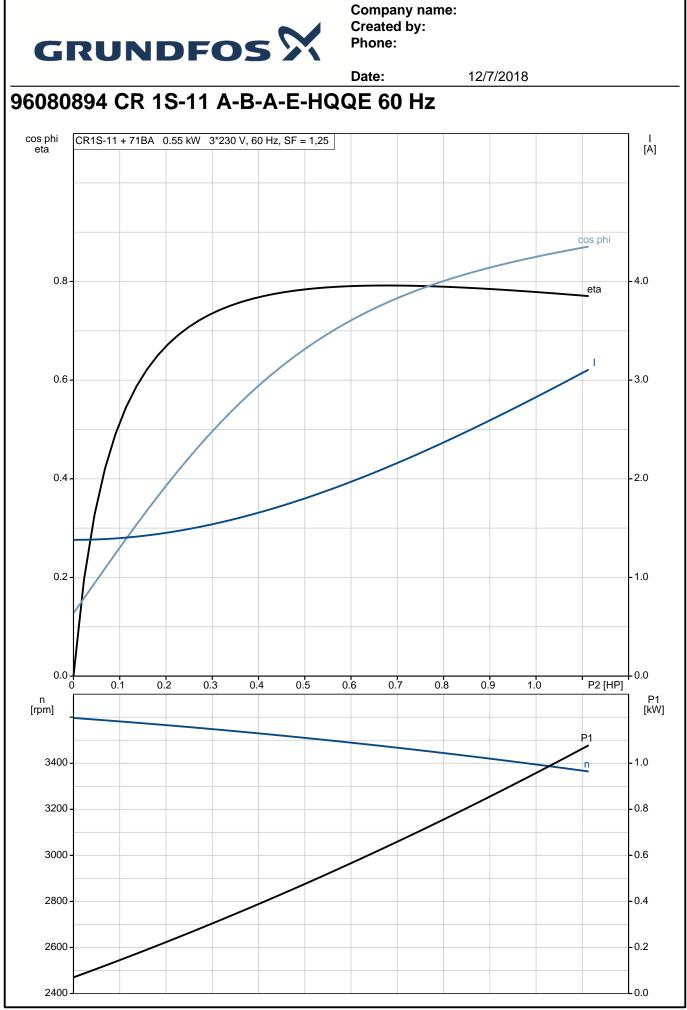
Company name: Created by: Phone:

		Date:	12/7/2018	
Description	Value	H [ft]	CR 1S-11, 3*230 V, 60Hz	eta [%]
General information:				
Product name:	CR 1S-11 A-B-A-E-HQQE			
Product No.:	96080894			
EAN:	5700395153521	300 -		- 60
Fechnical:				
Rated pump speed:	3439 rpm			
Rated flow:	4.84 US gpm	250 -		- 50
Rated head:				
	200.5 ft	200 -		- 40
Head max:	303.2 ft			
Stages:	11			
mpellers:	11	150 -		- 30
Number of reduced-diameter impellers:	0	100 -		- 20
Low NPSH:	No	100 -		-20
Pump orientation:	Vertical			
Shaft seal arrangement:	Single	50 -		- 10
Code for shaft seal:	HQQE			
Approvals on nameplate:	CURUS,NSF61			0
Curve tolerance:	ISO9906:2012 3B	0 0 0.5	1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5 Q[US gpm]	-0
		P [HP]		NPSH
Pump version:	A	[HP] 1.0 -		[ft] - 50
Model:	A		P1	00
Cooling:	TEFC	0.8 -		- 40
Materials:			P2	
Base:	Cast iron	0.6 -		- 30
	EN 1561 EN-GJL-200			
	ASTM A48-25B	0.4 -		- 20
Impeller:	Stainless steel	0.2 -		- 10
	EN 1.4301	0.2		- 10
	AISI 304	0.0		0
Material code:	A	·		
Code for rubber:	E		4.57	
			5.55	
Bearing:	SIC			
Installation:		0972		
Maximum ambient temperature:	104 °F	~		
Maximum operating pressure:	232 psi	ļ		
Max pressure at stated temperature:	232 psi / 250 °F	6.50	1/2 G 1/2	
	232 psi / -4 °F			
Type of connection:	Oval / NPT(F)	85		
Size of suction port:	1 inch	99 99 91 91		
Size of outlet port:	1 inch			
Pressure rating for pipe connection:	PN 16	2:01		
Flange size for motor:	56C	• +	3.03	
Connect code:	B		5.69 6.31 8.70	
Liquid:			-	
-	Motor			
Pumped liquid:	Water			
Liquid temperature range:	-4 248 °F			
Liquid temperature during operation:	68 °F		A WARNING	
Density:	62.29 lb/ft ³	WITH THE NAT	SE GROUNDED IN ACCORDANCE ONAL ELECTRICAL CODE AND	
Electrical data:		LOCAL CODES	BY TRAINED PERSONNEL TO OUS ELECTRICAL SHOCKS.	
Motor standard:	NEMA	TO SERVICE M	DTOR, DISCONNECT POWER MOTOR AND ANY ACCESSORY	
Motor type:	71BA	DEVICES AND A COMPLETE STA	ALLOW MOTOR TO COME TO A	
Rated power - P2:	0.75 HP	LOW VOLT	HIGH VOLTAGE	
Power (P2) required by pump:	0.75 HP	60Hz. 208-2	SOL 60H2:460V 30V 50H2:400V € € 5 € 4 €	
	60 Hz	9• 8•	7	
Main frequency:		3 2 4	1♥ 3♥ 2♥ 1♥	
Rated voltage:	3 x 208-230YY/460Y V	L3 L2	L1 I I 8 L3 L2 L1 8	
Service factor:	1.25		INTERCHANGE ANY TWO LINE WHET TO BEINGERE EXTRATION THERMIGRATIC LEADS J	
Rated current:	2,40-2,30/1,20 A	L	(MHEN PROVIDED) — J	
Starting current:	590-650 %			

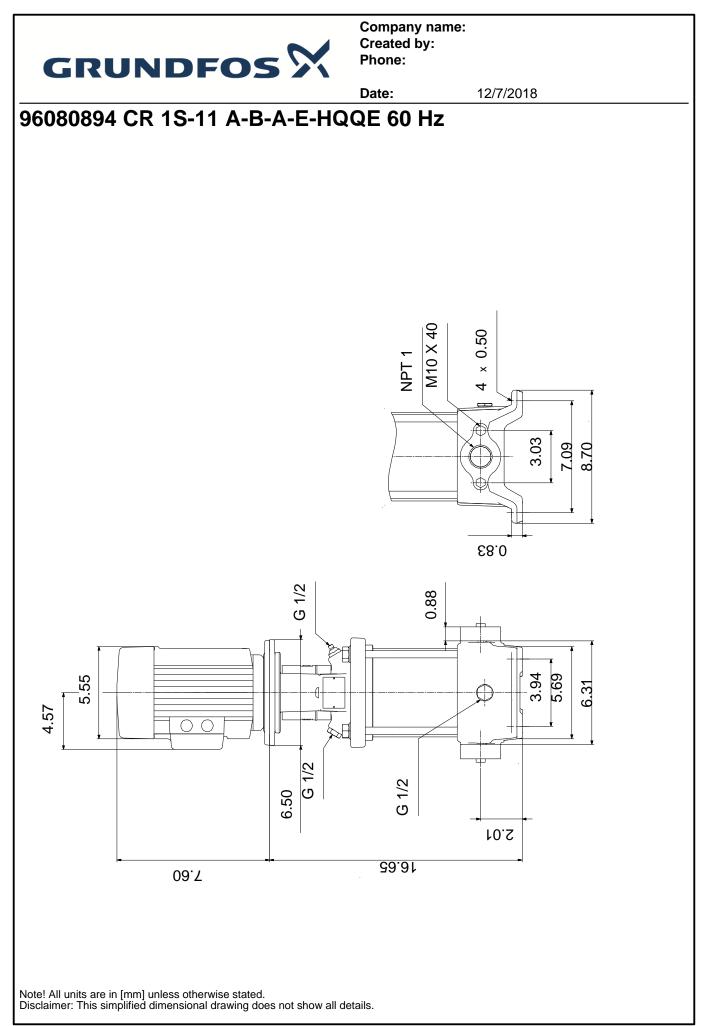


Company name: Created by: Phone:

		Date:	12/7/2018	
Description	Value			
Load current:	2,9-2,75/1,4 A			
Cos phi - power factor:	0.84-0.78			
Rated speed:	3430-3460 rpm			
Motor efficiency at full load:	79.0-80.0 %			
Number of poles:	2			
Enclosure class (IEC 34-5):	55 Dust/Jetting			
Insulation class (IEC 85):	F			
Motor protection:	NONE			
Motor Number:	85900702			
Controls:				
Frequency converter:	NONE			
Others:				
Net weight:	53.7 lb			
Gross weight:	64.7 lb			
Shipping volume:	4.94 ft ³			
Country of origin:	US			
Custom tariff no .:	8413.70.2040			



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Company name: Created by: Phone:

Date: 12/7/2018 96080894 CR 1S-11 A-B-A-E-HQQE 60 Hz WARNING \bigwedge MOTOR MUST BE GROUNDED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE AND LOCAL CODES BY TRAINED PERSONNEL TO PREVENT SERIOUS ELECTRICAL SHOCKS. TO SERVICE MOTOR, DISCONNECT POWER SOURCE FROM MOTOR AND ANY ACCESSORY DEVICES AND ALLOW MOTOR TO COME TO A COMPLETE STAND STILL. HIGH VOLTAGE LOW VOLTAGE 60Hz: 460V 60Hz. 208-230V 50Hz: 400V 5 6 4 5⊜ 6⊜ 4⊜ 9 8⊜ 7⊜ 9 7⊜ 8 2 3⊜ 1⊜ 3⊜ 2⊜ 1⊜ 96553852 L1 L3 L2 L3 L2 L1 INTERCHANGE ANY TWO LINE WIRES TO REVERSE ROTATION THERMOSTAT LEADS 🖨 J 🖨 J (WHEN PROVIDED)

All units are [mm] unless otherwise presented.