

Submittal Data

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



CM 15-2 A-S-I-E-AQQE E-A-A-N

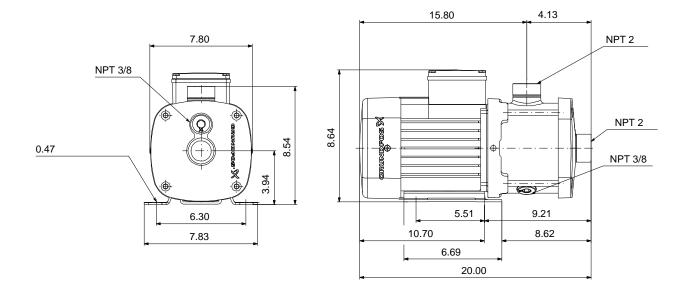
CM are reliable, quiet and compact horizontal end-suction pumps. The modular pump design makes it easy to make customised solutions. The CM pumps are available in cast iron and stainless steel

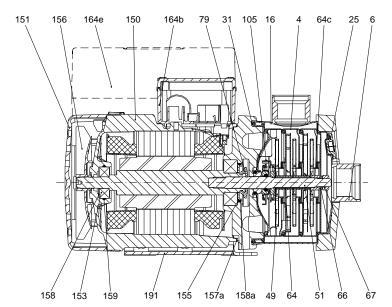
Product photo could vary from the actual product

		Pump Data				Motor Data		
Flow:70.3 US gpmHead:147.5 ftEfficiency:53.1 %Liquid:WaterTemperature:68 °FNPSH required:11.52 ftViscosity:1.000	Liquid tem Maximum Shaft seal	Max pressure at stated temperature: Liquid temperature range: Maximum ambient temperature: Shaft seal: Product number:			232 psi / 194 °F -4 248 °F 131 °F AQQE 96946015		Main frequency: Enclosure class:	
H [ft] 160- 140-				H = 147. n = 3542 Pumped Liquid te	US gpm 5 ft			eta [%]
120-								- 100
80-								- 80 - 60
40-20-						ff pump = 59.		- 40 - 20
0 10 20 30 P [HP]) 40	50 60	0 70	80 90	100		= 53.1 % [US gpm]	L ₀ NPSH ^[ft]
6- 5- 4-						P1 P2		- 60 - 50 - 40
3-2-1-						P1 = 3.6 P2 = 4.4		-30 -20 -10



Submittal Data





Materials:

Pump housing:	Stainless steel
	AISI 304
Impeller:	Stainless steel
	AISI 304
	EN 1.4301
Material code:	I
Code for rubber:	E

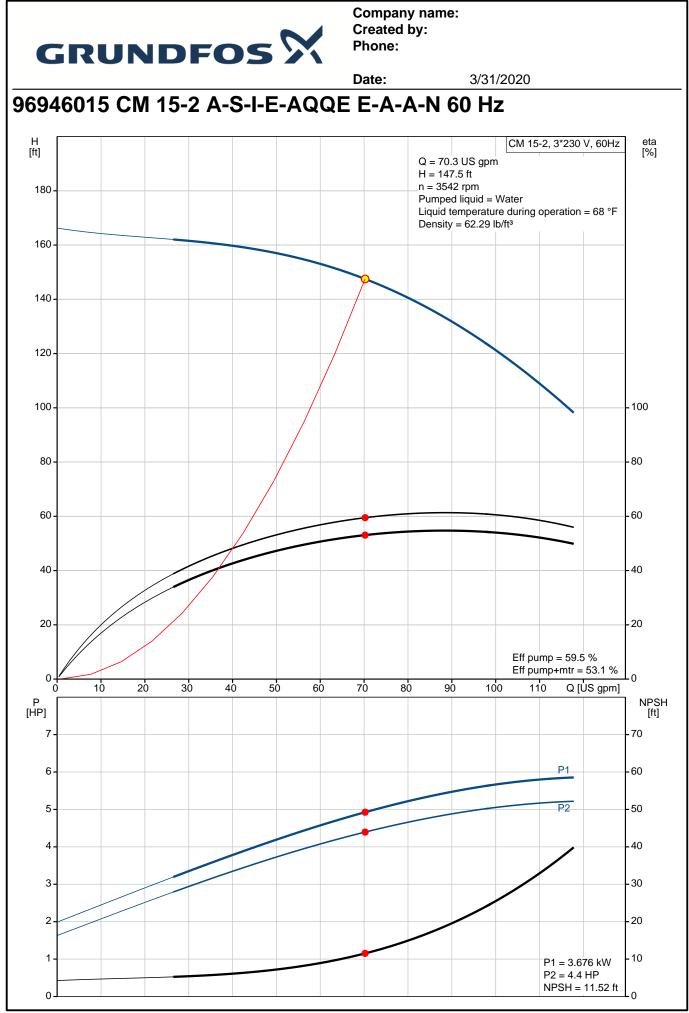
165x100

G	RUNDFO	os X	Company n Created by: Phone:	
			Date:	3/31/2020
Count	Description			
1	CM 15-2 A-S-I-E-AQQE E-A-A	-N		
	Product No.: 96946015	Product photo c	ould vary from the ac	tual product
	discharge port. Pump materials special designed, unbalanced (in contact with the D-ring seal. Pipewo	e liquid are in stair ork connection is	
	The pump is fitted with a 3-pha	se, foot-mounted,	fan-cooled asynch	nronous motor.
	Controls: Frequency converter:	NONE		
	Liquid: Pumped liquid:	Water		
	Liquid temperature range: Selected liquid temperature: Density:	-4 248 °F 68 °F 62.29 lb/ft³		
	Technical: Pump speed on which pump da Actual calculated flow: Rated flow: Resulting head of the pump: Rated head: Code for shaft seal: Curve tolerance:	ata are based: 34 70.3 US gpm 89.8 US gpm 147.5 ft 126.7 ft AQQE ISO9906:2012 3		
	Materials: Pump housing:	Stainless steel EN 1.4301		
	Impeller:	AISI 304 Stainless steel EN 1.4301 AISI 304		
	Installation:	4 404 05		
	Range of ambient temperature: Maximum operating pressure: Max pressure at stated tempera	232.06 psi		
	Type of connection: Size of suction port:	NPT(F) 2 inch		
	Size of outlet port: Outlet position:	2 inch 12		
	Electrical data:			
	Motor standard:	NEMA		
	Frame size:	100B		
	IE efficiency class:	IE3 / NEMA Pre	mium	



Company name: Created by:

	Alain frequency: Suitable for 50/60 Hz: Thase: Stated voltage: Service factor: Stated current: Stated current: Stated speed: Sinclosure class (IEC 34-5): Inclosure class (IEC 85): Suilt-in motor protection: Others: Serminal box position: Serminal box position: Service factor: Service factor: Ser	77.5 lb 83 lb CE,CULUS,WRAS US	A		
S P R S R E II B C T M N G A C	Suitable for 50/60 Hz: Phase:	N 3 208-230YY/440-4 1.00 14,8-14,2/7,2-7,0 3520-3530 rpm IP55 F NONE 12 ≥: 0.59 77.5 lb 83 lb CE,CULUS,WRAS US	A		
	Phase: Pated voltage: Pervice factor: Pated current: Pated speed: Pated speed: Patencial for protection: Patencial for pro	3 208-230YY/440-4 1.00 14,8-14,2/7,2-7,0 3520-3530 rpm IP55 F NONE 12 ≥: 0.59 77.5 lb 83 lb CE,CULUS,WRAS US	A		
	Rated voltage: Service factor: Rated current: Rated speed: Enclosure class (IEC 34-5): Insulation class (IEC 85): Ruilt-in motor protection: Pthers: Perminal box position: Minimum efficiency index, MEI let weight: Gross weight: Roross weight:	208-230YY/440-4 1.00 14,8-14,2/7,2-7,0 3520-3530 rpm IP55 F NONE 12 ≥: 0.59 77.5 lb 83 lb CE,CULUS,WRAS US	A		
	Aervice factor: Rated current: Rated speed: Inclosure class (IEC 34-5): Insulation class (IEC 85): Built-in motor protection: Others: Ferminal box position: Ainimum efficiency index, MEI let weight: Bross weight: Inprovals: Country of origin:	1.00 14,8-14,2/7,2-7,0 3520-3530 rpm IP55 F NONE 12 ≥: 0.59 77.5 lb 83 lb CE,CULUS,WRAS US	A		
	Rated current: Rated speed: Inclosure class (IEC 34-5): Insulation class (IEC 85): Built-in motor protection: Others: Ferminal box position: Animum efficiency index, MEI let weight: Bross weight: Inprovals: Country of origin:	14,8-14,2/7,2-7,0 3520-3530 rpm IP55 F NONE 12 ≥: 0.59 77.5 lb 83 lb CE,CULUS,WRAS US			
	ated speed: inclosure class (IEC 34-5): insulation class (IEC 85): auilt-in motor protection: Others: ferminal box position: finimum efficiency index, MEI let weight: Gross weight: pprovals: country of origin:	3520-3530 rpm IP55 F NONE 12 ≥: 0.59 77.5 lb 83 lb CE,CULUS,WRAS US			
	inclosure class (IEC 34-5): insulation class (IEC 85): isuilt-in motor protection: Others: ferminal box position: finimum efficiency index, MEI let weight: Gross weight: ipprovals: country of origin:	IP55 F NONE 12 ≥: 0.59 77.5 lb 83 lb CE,CULUS,WRAS US	S,ACS,TR,EAC,		
	nsulation class (IEC 85): suilt-in motor protection: Others: ferminal box position: finimum efficiency index, MEI let weight: Gross weight: pprovals: country of origin:	F NONE 12 ≥: 0.59 77.5 lb 83 lb CE,CULUS,WRAS US	S,ACS,TR,EAC,		
	Built-in motor protection: Others: Germinal box position: Minimum efficiency index, MEI let weight: Gross weight: Approvals: Country of origin:	NONE 12 ≥: 0.59 77.5 lb 83 lb CE,CULUS,WRAS US	S,ACS,TR,EAC,		
	Others: erminal box position: finimum efficiency index, MEI let weight: Gross weight: .pprovals: country of origin:	12 ≥: 0.59 77.5 lb 83 lb CE,CULUS,WRAS US	S,ACS,TR,EAC,		
T N O A	erminal box position: Iinimum efficiency index, MEI let weight: Gross weight: .pprovals: country of origin:	≥: 0.59 77.5 lb 83 lb CE,CULUS,WRA US	S,ACS,TR,EAC,		
	finimum efficiency index, MEI let weight: Bross weight: pprovals: Country of origin:	≥: 0.59 77.5 lb 83 lb CE,CULUS,WRA US	S,ACS,TR,EAC,		
	let weight: Gross weight: opprovals: country of origin:	77.5 lb 83 lb CE,CULUS,WRAS US	S,ACS,TR,EAC,		
A C	Bross weight: .pprovals: Country of origin:	83 lb CE,CULUS,WRAS US	S,ACS,TR,EAC,		
A C	pprovals: Country of origin:	CE,CULUS,WRAS	S,ACS,TR,EAC,		
A C	pprovals: Country of origin:	US	S,ACS,TR,EAC,		
				CURUS	
C	custom tariff no.:				
		8413.70.2040			





Description	Value	144					5-2, 3*230 V, 6	UHZ
Description General information:	Value	[ft]						
Product name:	CM 15-2 A-S-I-E-AQQE	180 -						
	E-A-A-N	160 -						
Product No.:	96946015							
EAN:	5700314388713	140 -						
	5700314388713							
echnical:		120 -					\rightarrow	
Pump speed on which pump data are based:	3480 rpm	100 -						
Actual calculated flow:	70.3 US gpm	100-						
Rated flow:	89.8 US gpm	80 -						
Resulting head of the pump:	147.5 ft	80-			/			
Rated head:	126.7 ft	60 -						
Impellers:	2	00-					-	
Code for shaft seal:	AQQE	10						
Curve tolerance:	ISO9906:2012 3B	40 - Q =	= 70.3 US gp = 147.5 ft	m				
Pump version:	А	n –	3542 rnm					
Model:	A		mped liquid =	Water	operation	ר – 6ג⊑# ∽	oump = 59.5 %	
Materials:		De	nsity = 62.29		operation		pump = 59.5 % pump+mtr = 53.1	1 %
Pump housing:	Stainless steel		20	40	60	80	Q [US g	
-	EN 1.4301	P [HP]						Ń
	AISI 304							
mpeller:	Stainless steel	6 -					P1	
	EN 1.4301							
	AISI 304	5					P2	
Material code:		4 -				-		
Code for rubber:	E	3 -		\times				
nstallation:			$ \land $					
Range of ambient temperature:	-4 131 °F	2_					P1 = 3.676 k	W
Maximum operating pressure:	232.06 psi	1-					P2 = 4.4 HP	1
Aax pressure at stated	232 psi / 194 °F	0					NPSH = 11.5	2 ft
	145 psi / 250 °F							
Type of connection:	NPT(F)							
Size of suction port:	2 inch							
Size of outlet port:	2 inch							
Outlet position:	12							
Connect code:	S							
Liquid:	~							
Pumped liquid:	Water							
Liquid temperature range:	-4 248 °F							
Selected liquid temperature:	-4 246 F 68 °F							
Density:	62.29 lb/ft ³							
Electrical data:	02.23 ID/11-							
Votor standard:	NEMA							
Frame size:								
	100B							
E efficiency class:	IE3 / NEMA Premium							
Rated power - P2:	5.36 HP							
Main frequency:	60 Hz							
Suitable for 50/60 Hz:	N							
Phase:	3							
Rated voltage:	208-230YY/440-480Y V							
Service factor:	1.00							
Rated current:	14,8-14,2/7,2-7,0 A							
Rated speed:	3520-3530 rpm							
Enclosure class (IEC 34-5):	IP55							
Insulation class (IEC 85):	F							
Built-in motor protection:	NONE							
Controls:								

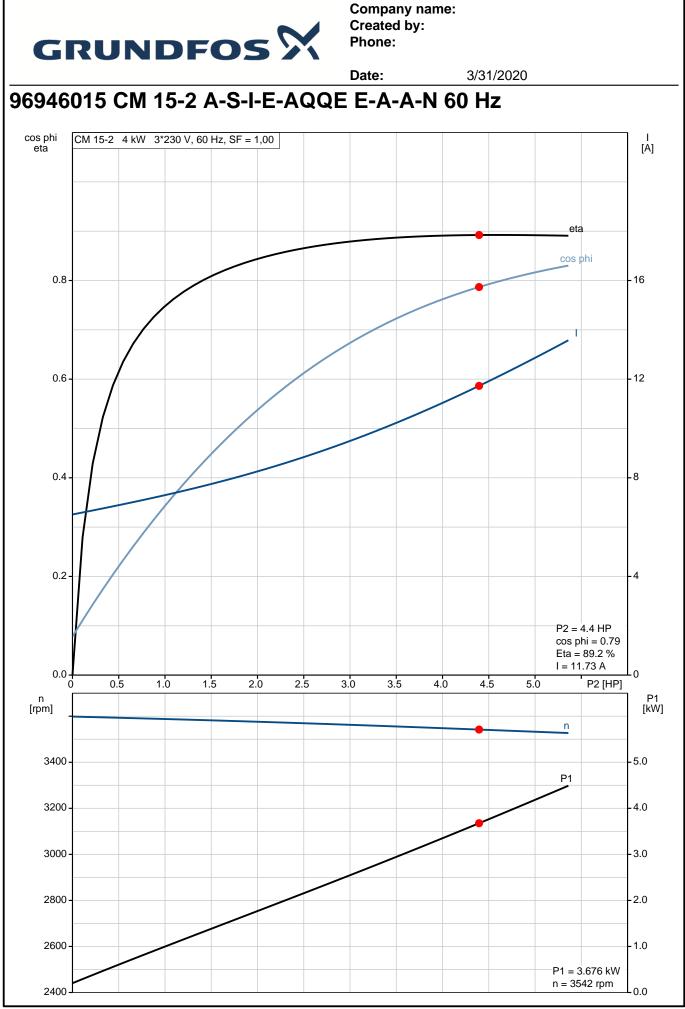
eta [%]

- 100

NPSH [ft]



		Date:	3/31/2020
Description	Value		
Frequency converter:	NONE	-	
others:			
Ferminal box position:	12		
Minimum efficiency index, MEI à‰¥:	0.59		
Net weight:	77.5 lb		
Gross weight:	83 lb		
pprovals:	CE,CULUS,WRAS,ACS,TR,EA C,CURUS		
Country of origin:	US		
Custom tariff no.:	8413.70.2040		

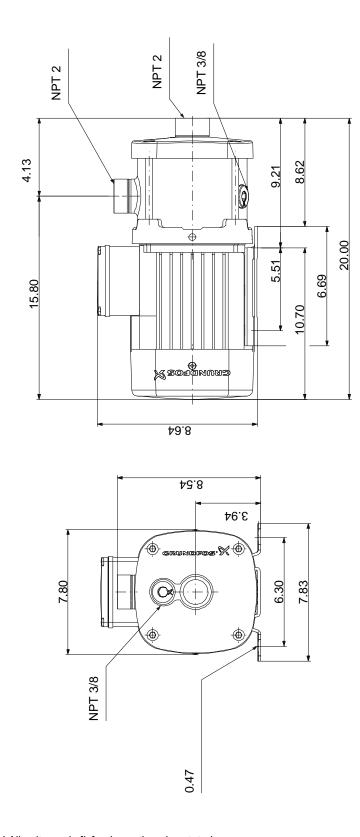


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3/31/2020

96946015 CM 15-2 A-S-I-E-AQQE E-A-A-N 60 Hz



Note! All units are in [in] unless otherwise stated. Disclaimer: This simplified dimensional drawing does not show all details.



3/31/2020

96946015 CM 15-2 A-S-I-E-AQQE E-A-A-N 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⊜ 8 7 2 3⊜ 1⊜ 3⊜ 2⊜ 1⊜ 53852 L1 L3 L2 ่ว 12 11

	LJ	LZ	LI	965	
INTERCHAN	GE ANY TWO LINE				
WIRES TO RE	EVERSE ROTATION				
THERMOSTA	T LEADS			J	
(WHEN PRO)	/IDED)			J	

All units are [in] unless otherwise presented.