

Submittal Data

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

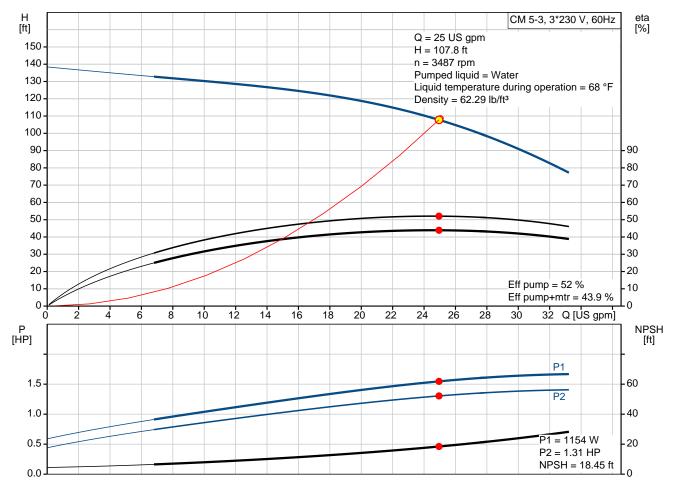


CM 5-3 A-S-I-E-AQQE E-A-A-N

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

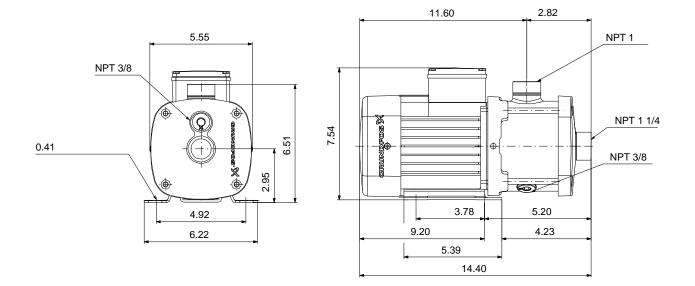
Product photo could vary from the actual product

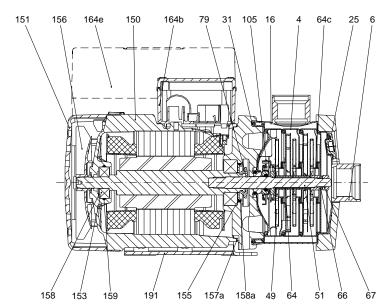
Conditions	of Service	Pump Data		Motor Dat	а
Flow: Head: Efficiency: Liquid: Temperature: NPSH required: Viscosity: Specific Gravity:	25 US gpm 107.8 ft 43.9 % Water 68 °F 18.45 ft 1.000	Max pressure at stated temperature: Liquid temperature range: Maximum ambient temperature: Shaft seal: Product number:	232 psi / 194 °F -4 248 °F 131 °F AQQE 98907035	Main frequency: Enclosure class:	60 Hz IP55



Submittal Data







Materials:

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

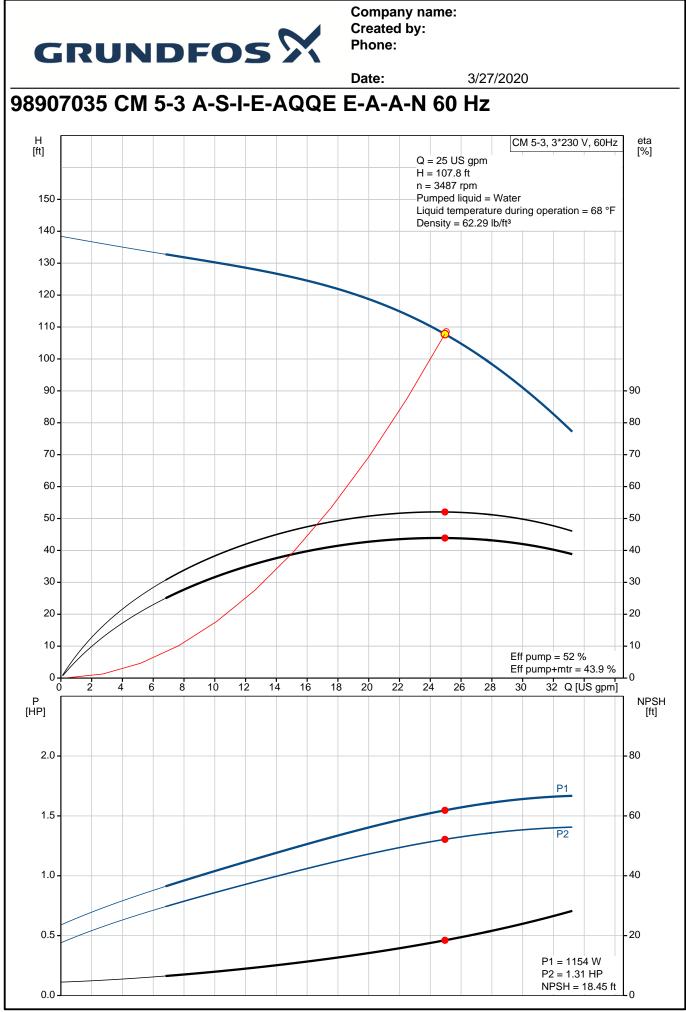
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G	RUNDFO	s X	Company n Created by: Phone:						
			Date:	3/27/2020					
Count	Description								
1	CM 5-3 A-S-I-E-AQQE E-A-A-N								
	Product No.: 98907035	Product photo co	uld vary from the a	ctual product					
	Compact, reliable, horizontal, multistage, end-suction centrifugal pump with axial suction port and radial discharge port. Pump materials in contact with the liquid are in stainless steel. The mechanical shaft seal is a special designed, unbalanced O-ring seal. Pipework connection is via internal NPT pipe threads.								
	The pump is fitted with a 3-phas	e, foot-mounted, fa	an-cooled async	hronous motor.					
	Controls: Frequency converter:	NONE							
	Liquid: Pumped liquid: Liquid temperature range: Selected liquid temperature: Density:	Water -4 248 °F 68 °F 62.29 lb/ft ³							
	Technical: Pump speed on which pump dat Actual calculated flow: Rated flow: Resulting head of the pump: Rated head: Code for shaft seal: Curve tolerance:	a are based: 348 25 US gpm 24.8 US gpm 107.8 ft 107.6 ft AQQE ISO9906:2012 3							
	Materials: Pump housing:	Stainless steel EN 1.4301							
	Impeller:	AISI 304 Stainless steel EN 1.4301 AISI 304							
	Installation: Range of ambient temperature: Maximum operating pressure: Max pressure at stated tempera	232.06 psi ture: 232 psi / 19							
	Type of connection: Size of suction port: Size of outlet port: Outlet position:	145 psi / 25 NPT(F) 1 1/4 inch 1 inch 12	ou ⁻⊢						
	Electrical data: Motor standard: Frame size: IE efficiency class: Rated power - P2:	NEMA 80B IE3 / NEMA Pren 1.48 HP	nium						



Company name: Created by:

			Date:	3/27/2020	
nt	Description				
	Main frequency:	60 Hz			
	Suitable for 50/60 Hz:	N			
	Phase:	3			
	Rated voltage:	208-230YY/440-480	DY V		
	Service factor:	1.00			
	Rated current:	5,2-5,1/2,55-2,65 A			
	Rated speed:	3430-3470 rpm			
	Enclosure class (IEC 34-5): Insulation class (IEC 85):	IP55 F			
	Built-in motor protection:	NONE			
		NONE			
	Others:	10			
	Terminal box position:	12			
	Minimum efficiency index, MEI				
	Net weight:	35 lb			
	Gross weight: Approvals:	40.5 lb CE,WRAS,ACS,TR			
	Country of origin:	HU	EAC,CORUS		
	Custom tariff no.:	8413.70.2040			
		0413.70.2040			



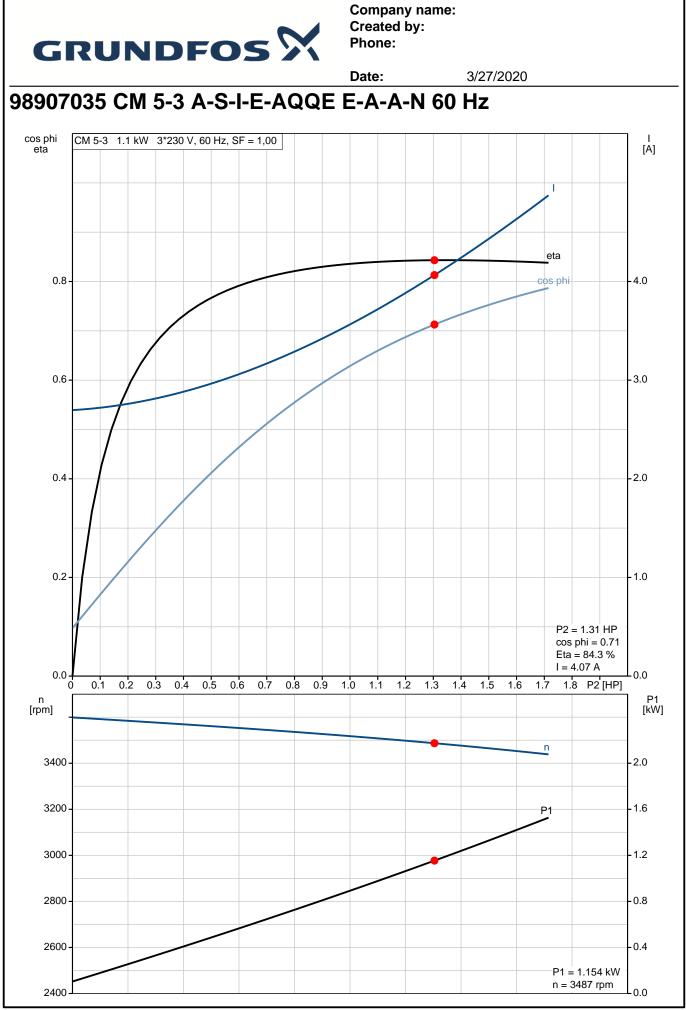


		Date:		3/27/202	20			
Description	Value	H [ft]			CM	5-3, 3*23	30 V, 60Hz	z
General information:				= 25 US gpm = 107.8 ft				
Dreduct name	CM 5-3 A-S-I-E-AQQE	150 -	n =	= 3487 rpm				
Product name:	E-A-A-N	140 -		mped liquid = juid temperat		a operatio	on = 68 °F	:
Product No.:	98907035	130 -		nsity = 62.29		goporau		
EAN:	5712603358482	120 -						
	5712603358482	110						
Technical:		100 -						
Pump speed on which pump data are based:	3480 rpm	90 -						
Actual calculated flow:	25 US gpm	80 -						
Rated flow:	24.8 US gpm	70 -			/			
Resulting head of the pump:	107.8 ft	60 -						
Rated head:	107.6 ft							
Impellers:	3	50 -					\sim	
Code for shaft seal:	AQQE	40 -					\sim	
Curve tolerance:	ISO9906:2012 3B	30 -						
Pump version:	Α	20 -	1/	·				
Model:	Α	10-			F #		2 %	
Materials:						oump = 5 oump+mt	iz % tr = 43.9 %	
Pump housing:	Stainless steel	0	5 10	15 2	<u> </u>	<u>1</u>	ן ענט (US gpm	_
-	EN 1.4301	Р						Ť
	AISI 304	[HP]						
Impeller:	Stainless steel	2.0 -						
	EN 1.4301						P1	
	AISI 304	1.5 -						
Material code:	1						P2	
Code for rubber:	E	1.0 -						
Installation:		- /					_	
Range of ambient temperature:	-4 131 °F	0.5	1			Di	1154 W	
Maximum operating pressure:	232.06 psi						1.31 HP	
Max pressure at stated temperature:	232 psi / 194 °F	0.0				NPSH	l = 18.45 ft	t
	145 psi / 250 °F							
Type of connection:	NPT(F)							
Size of suction port:	1 1/4 inch							
Size of outlet port:	1 inch							
Outlet position:	12							
Connect code:	S							
Liquid:	•							
Pumped liquid:	Water							
Liquid temperature range:	-4 248 °F							
Selected liquid temperature:	68 °F							
Density:	62.29 lb/ft ³							
Electrical data:								
Motor standard:	NEMA							
Frame size:	80B							
IE efficiency class:	IE3 / NEMA Premium							
Rated power - P2:	1.48 HP							
Main frequency:	60 Hz							
Suitable for 50/60 Hz:	N							
Phase:	3							
Rated voltage:	3 208-230YY/440-480Y V							
Service factor:	1.00							
Rated current:	5,2-5,1/2,55-2,65 A							
Rated speed:	3430-3470 rpm							
Enclosure class (IEC 34-5):	IP55							
Insulation class (IEC 85):	F							
Built-in motor protection: Controls:	NONE							
('entrele.								

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		Date:	3/27/2020
Description	Value		
Others:		-	
Ferminal box position:	12		
Minimum efficiency index, MEI ≥:	0.7		
Net weight:	35 lb		
Gross weight:	40.5 lb		
Approvals:	CE,WRAS,ACS,TR,EAC,C URUS		
Country of origin:	HU		
Custom tariff no.:	8413.70.2040		

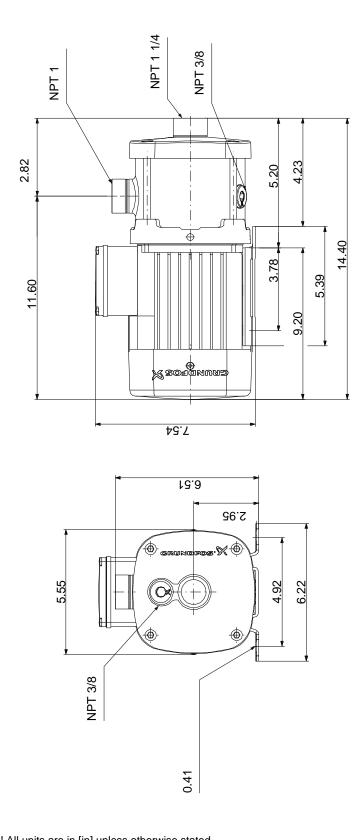


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3/27/2020

98907035 CM 5-3 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.



Date: 3/27/2020 98907035 CM 5-3 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 7⊜ 8 3⊜ 2 1⊜ 3⊜ 2⊜ 1⊜ 96553852 L1 L2 L3 L3 L2 L1 INTERCHANGE ANY TWO LINE WIRES TO REVERSE ROTATION THERMOSTAT LEADS 🖨 J 🌒 J (WHEN PROVIDED)

All units are [in] unless otherwise presented.