

Submittal Data

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



CM 5-6 A-S-I-V-AQQV E-A-A-N

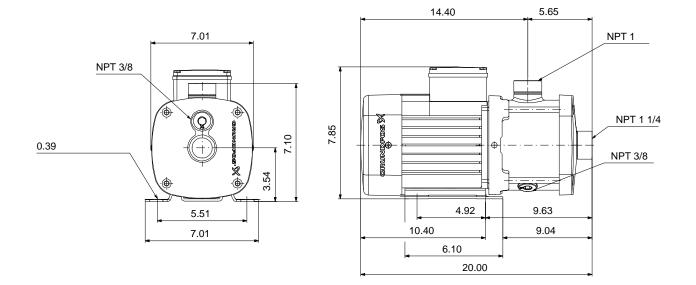
CM are reliable, quiet and compact horizontal end-suction pumps. The modular pump design makes it easy to make customised solutions. The CM pumps are available in cast iron and stainless steel

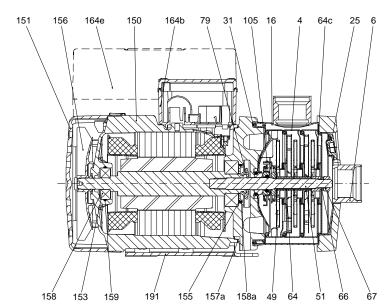
Product photo could vary from the actual product

Conditions of Service	Pump Data Motor Da	Data	
Flow:25.1 US gpmHead:227.1 ftEfficiency:47.5 %Liquid:WaterTemperature:68 °FNPSH required:18.71 ftViscosity:Specific Gravity:1.000	Max pressure at stated temperature:232 psi / 194 °FMain frequency:Liquid temperature range:-4 248 °FEnclosure class:Maximum ambient temperature:131 °FShaft seal:AQQVProduct number:98125923		
H [ft] 300 -	Q = 25.1 US gpm H = 227.1 ft n = 3531 rpm	eta [%]	
250 -	Pumped liquid = Water Liquid temperature during operation = 68 °F Density = 62.29 lb/ft ³	- 100	
200-		- 80	
150-		- 60	
100-		-40	
50-	Eff pump = 54.7 % Eff pump+mtr = 47.5 %	- 20	
0 2 4 6 8 P [HP]	10 12 14 16 18 20 22 24 26 28 30 32 Q [US gpm]	L ₀] NPSH _ [ft]	
3.0-		-60 -50	
2.0-		- 40 - 30	
1.0 - 0.5 - 0.0 -	P1 = 2.257 kW P2 = 2.63 HP NPSH = 18.71 ft	- 20 - 10 - 0	









Materials:

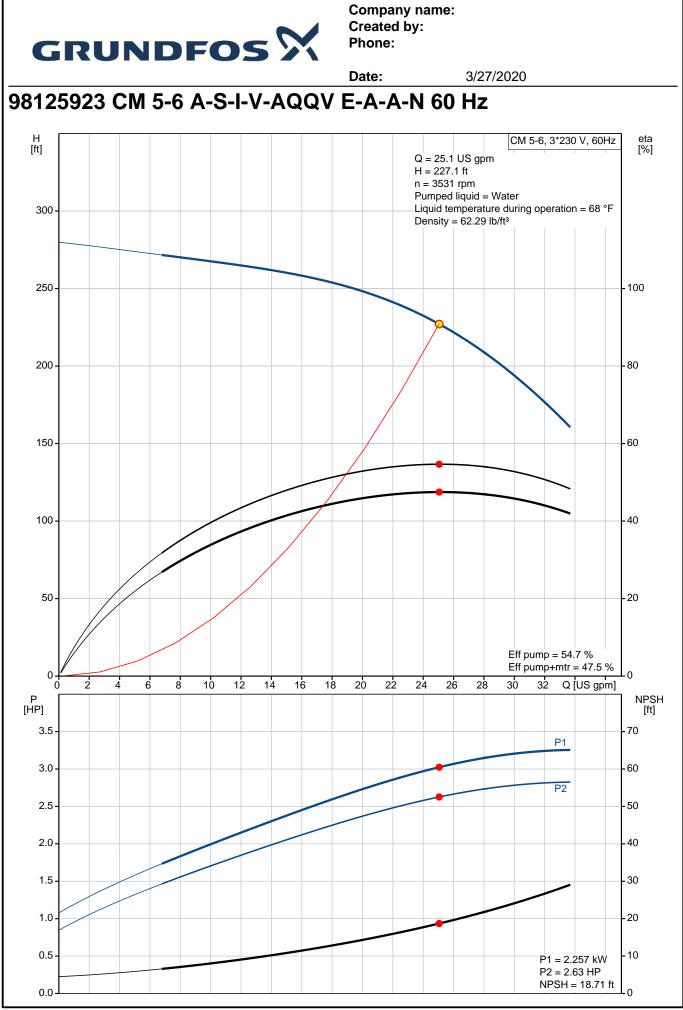
Pump housing:	Stainless steel
Impollor	Stainless steel
Impeller:	AISI 304
	EN 1.4301
Material code:	
Code for rubber	V
	v

165x100

C	RUNDFO	sX	Company r Created by Phone:	
			Date:	3/27/2020
Count	Description			
1	CM 5-6 A-S-I-V-AQQV E-A-A-N	1		
	Product No.: 98125923	Product photo co	uld vary from the a	ctual product
	discharge port. Pump materials special designed, unbalanced C	in contact with the)-ring seal. Pipewo	liquid are in stai rk connection is	
	The pump is fitted with a 3-phas	se, foot-mounted, fa	an-cooled async	hronous motor.
	Controls: Frequency converter:	NONE		
	Liquid: Pumped liquid:	Water		
	Liquid temperature range: Selected liquid temperature: Density:	-4 248 °F 68 °F 62.29 lb/ft ³		
	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:	ta are based: 348 25.1 US gpm 24.8 US gpm 227.1 ft 219.9 ft AQQV ISO9906:2012 38		
	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		
	Type of connection: Size of suction port: Size of outlet port:	NPT(F) 1 1/4 inch 1 inch		
	Outlet position:	12		
	Electrical data: Motor standard: Frame size: IE efficiency class:	NEMA 90B IE2 - IE3		
	Rated power - P2:	3.35 HP		



		Date:	3/27/2020
Description			
Main frequency:	60 Hz		
Suitable for 50/60 Hz:	Ν		
Phase:	3		
Rated voltage:	208-230YY/440-4	80Y V	
Service factor:	1.00		
Rated current:	8,95-8,5/4,3-4 A		
Rated speed:	3490-3520 rpm		
Enclosure class (IEC 34-5):	IP55		
Insulation class (IEC 85):	F		
Built-in motor protection:	NONE		
Others:			
Terminal box position:	12		
Minimum efficiency index, MEI			
Net weight:	64.2 lb		
Gross weight:	69.7 lb		
Approvals:	CE,CULUS,WRA	S,ACS,TR,EAC	
Country of origin:	US		
Custom tariff no .:	8413.70.2040		



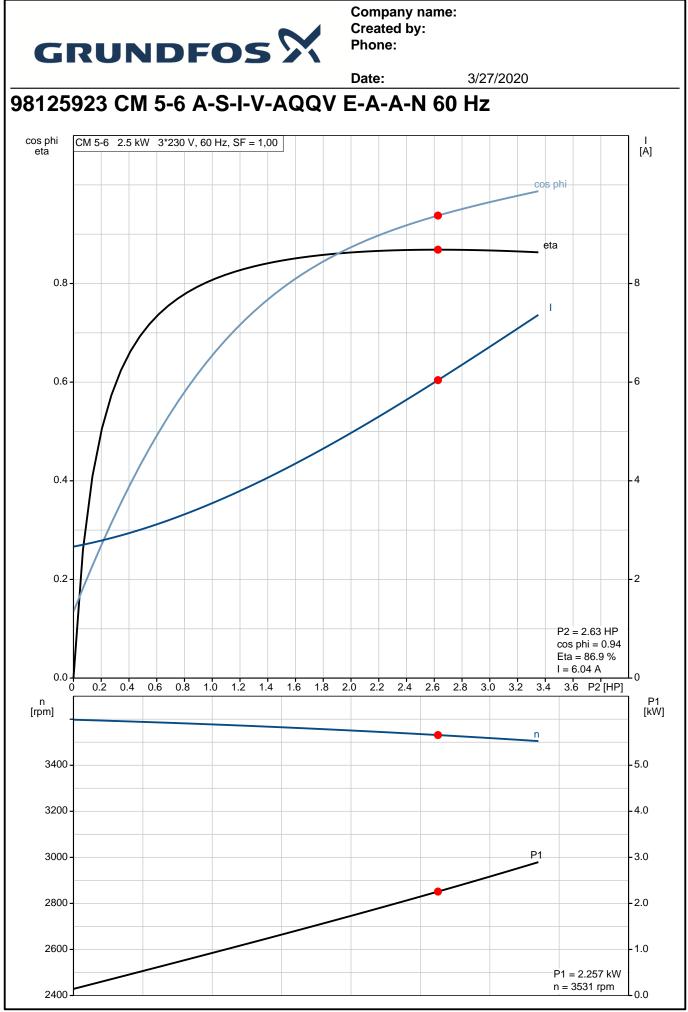
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Description General information:	Value	[ft]	Q = 25.1 US g H = 227.1 ft		230 V, 60Hz
Product name:	CM 5-6 A-S-I-V-AQQV E-A-A-N	300 -	n = 3531 rpm Pumped liquid	l = Water ature during opera	tion - 68 °F
Product No.:	98125923		Density = 62.2	29 lb/ft ³	11011 = 00 F
EAN:	5710629474858	250 -		\checkmark	
	5710629474858	-			
Technical:		_			
Pump speed on which pump data are based:	3480 rpm	200 -			
Actual calculated flow:	25.1 US gpm	_			
Rated flow:	24.8 US gpm	150 -			
Resulting head of the pump:	227.1 ft	_		$ \longrightarrow $	<u> </u>
Rated head:	219.9 ft	_			\sim
Impellers:	6	100 -			
Code for shaft seal:	AQQV	_			
Curve tolerance:	ISO9906:2012 3B	-			
Pump version:	A	50-			
Model:	A	- //			
Materials:	Γ	- //		Eff pump =	
		- 0 /			ntr = 47.5 %
Pump housing:	Stainless steel	•	5 10 15	20 25	Q [US gpm]
	EN 1.4301	P [HP]			
	AISI 304				P1
Impeller:	Stainless steel	3.0 -			
	EN 1.4301	2.5 -			P2
	AISI 304	2.0			
Material code:	I	2.0 -			
Code for rubber:	V	1.5 -			
Installation:		-			
Range of ambient temperature:	-4 131 °F	1.0		D1	2.257 kW
Maximum operating pressure:	232.06 psi	0.5 -			2.237 KW
Max pressure at stated temperature:	232 psi / 194 °F	0.0		NPS	H = 18.71 ft
	145 psi / 250 °F	010			
Type of connection:	NPT(F)				
Size of suction port:	1 1/4 inch				
Size of suction port.	1 inch				
•					
Outlet position:	12				
Connect code:	S				
Liquid:	147.7				
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:	90B				
IE efficiency class:	IE2 - IE3				
Rated power - P2:	3.35 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:	8,95-8,5/4,3-4 A				
Rated speed:	3490-3520 rpm				
Enclosure class (IEC 34-5):	IP55				
Insulation class (IEC 85):	F				
Built-in motor protection:	NONE				
Controls:					
Frequency converter:	NONE				



		Date:	3/27/2020
Description	Value		
Others:			
Terminal box position:	12		
Minimum efficiency index, MEI ≥:	0.7		
Net weight:	64.2 lb		
Gross weight:	69.7 lb		
Approvals:	CE,CULUS,WRAS,ACS,TR ,EAC		
Country of origin:	US		
Custom tariff no .:	8413.70.2040		

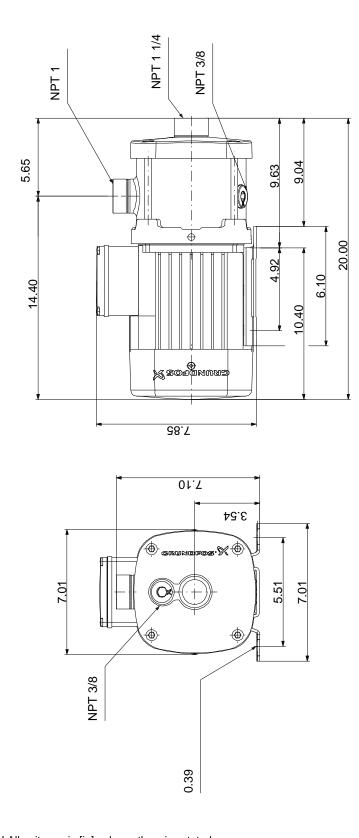


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3/27/2020

98125923 CM 5-6 A-S-I-V-AQQV 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.

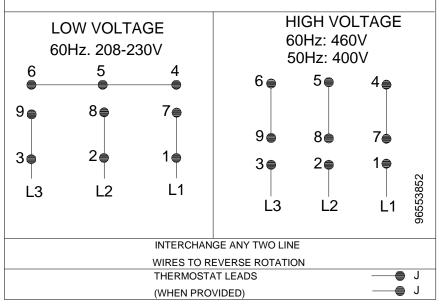


3/27/2020

98125923 CM 5-6 A-S-I-V-AQQV E-A-A-N 60 Hz

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.



All units are [in] unless otherwise presented.