

## Submittal Data

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

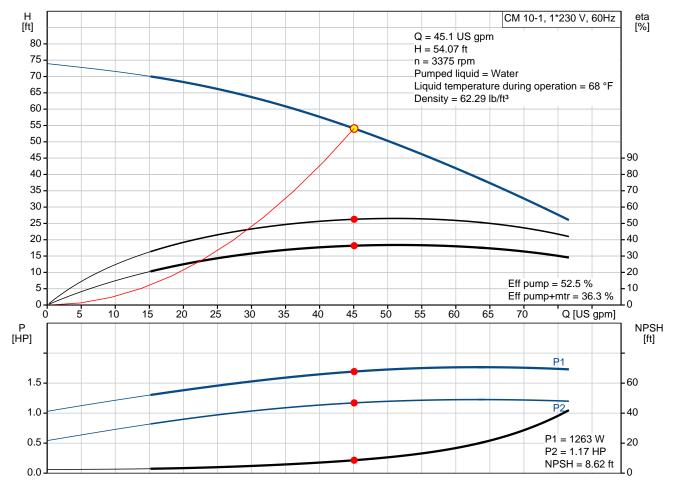


### CM 10-1 A-S-I-V-AQQV B-A-A-N

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

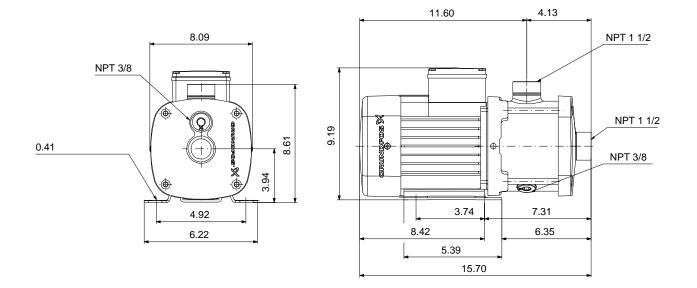
Product photo could vary from the actual product

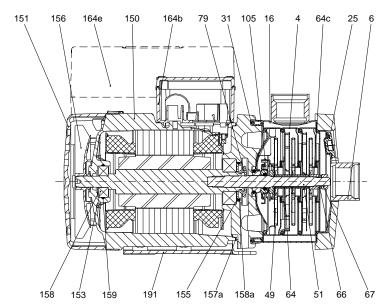
Conditions	of Service	Pump Data		Motor Dat	a
Flow: Head: Efficiency: Liquid: Temperature: NPSH required: Viscosity: Specific Gravity:	45.1 US gpm 54.07 ft 36.3 % Water 68 °F 8.62 ft 1.000	Max pressure at stated temperature: Liquid temperature range: Maximum ambient temperature: Shaft seal: Product number:	232 psi / 194 °F -4 248 °F 131 °F AQQV 97568500	Main frequency: Enclosure class:	60 Hz IP55



## Submittal Data







#### Materials:

Pump housing:	Stainless steel AISI 304
Impeller:	Stainless steel
	EN 1.4301
Material code:	1
Code for rubber:	V

165x100

G	RUNDFO	os X	Company n Created by: Phone:	
			Date:	3/30/2020
Count	Description			
1	CM 10-1 A-S-I-V-AQQV B-A-A	-N		
	Product No.: 97568500	Product photo co	ould vary from the ac	ctual product
	discharge port. Pump materials special designed, unbalanced (	in contact with the O-ring seal. Pipewo	liquid are in stai	
	The pump is fitted with a 1-pha	se, toot-mounted, f	an-cooled asyncl	nronous motor.
	Controls: Frequency converter:	NONE		
	<b>Liquid:</b> Pumped liquid: Liquid temperature range:	Water -4 248 °F		
	Selected liquid temperature: Density:	68 °F 62.29 lb/ft <sup>3</sup>		
	<b>Technical:</b> 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: 344 45.1 US gpm 52.8 US gpm 54.07 ft 52.89 ft AQQV 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 temper	232.06 psi ature: 232 psi / 19		
	Type of connection: Size of suction port: Size of outlet port: Outlet position:	145 psi / 24 NPT(F) 1 1/2 inch 1 1/2 inch 12	50 °F	
	<b>Electrical data:</b> Motor standard: Frame size: Rated power - P2: Main frequency:	NEMA 80B 1.48 HP 60 Hz		



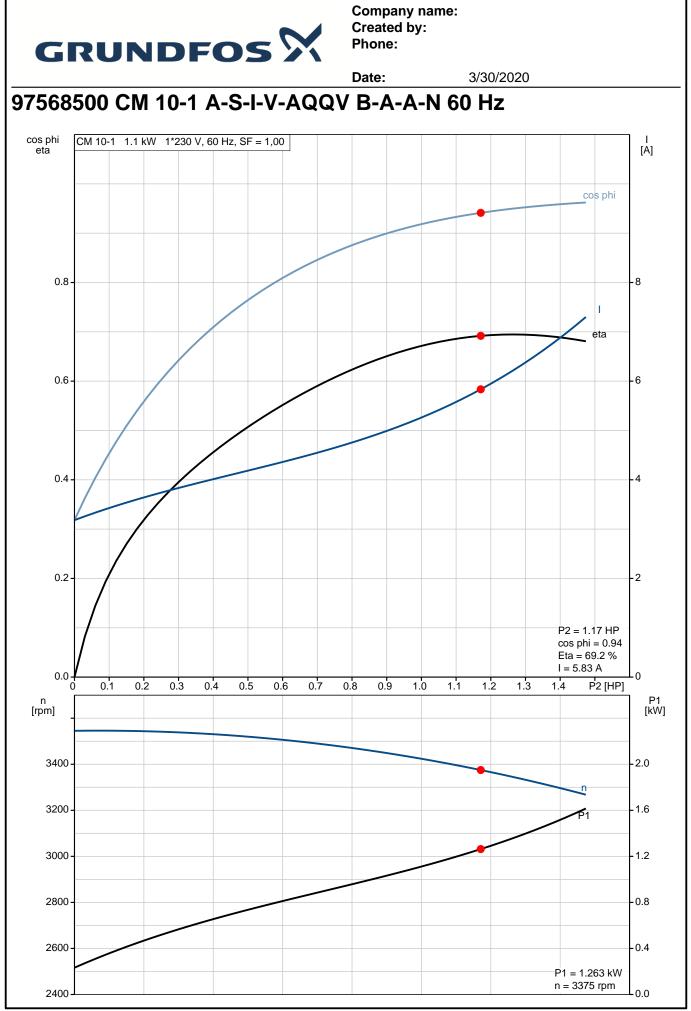
			Date:	3/30/2020	
unt	Description				
	Suitable for 50/60 Hz:	Ν			
	Phase:	1			
	Rated voltage:	115/230 V			
	Service factor:	1.00			
	Rated current:	14.6/7.3 A			
	Starting current:	320-320 %			
	Rated speed:	3320 rpm			
	Enclosure class (IEC 34-5):	IP55			
	Insulation class (IEC 85):	F			
	Built-in motor protection:	NONE			
		NONL			
	Others:				
	Terminal box position:	12			
	Minimum efficiency index, MEI				
	Net weight:	41.4 lb			
	Gross weight:	46.9 lb			
	Approvals:		AS,ACS,TR,EAC	CURUS	
	Country of origin:	US		,00100	
	Custom tariff no.:	8413.70.2040			
		0413.70.2040			



		Date:		5/5	0/2020			
Description	Value	H [ft]				CM 10-	-1, 1*230 V, 60I	Ηz
General information:		80 -		Q = 45 H = 54.	1 US gpm			
Product name:	CM 10-1 A-S-I-V-AQQV			n = 337	'5 rpm			
	B-A-A-N	75 -			d liquid = V emperatur		operation = 68 °	F
Product No.:	97568500	70 -			= 62.29 lb			
EAN:	5700318670616	65 -						
	5700318670616	60 -						
Technical:		55 -			Q			-
Pump speed on which pump data are based:	<sup>a</sup> 3480 rpm	50 <b>-</b>				$\setminus$		
Actual calculated flow:	45.1 US gpm	45 -			/			
Rated flow:	52.8 US gpm	40 -						
Resulting head of the pump:	54.07 ft	35 -						
Rated head:	52.89 ft	30 -			/			
Impellers:	1	25 -			-		$\sim$	
Code for shaft seal:	AQQV	20 -						
Curve tolerance:	ISO9906:2012 3B							
Pump version:	A	15 -						
Model:	A	10 -						
Materials:		5-					mp = 52.5 % mp+mtr = 36.3 °	%
Pump housing:	Stainless steel		10 2	0 30	40	50 6	· · · ·	í –
1 0	EN 1.4301	P						ŕ
	AISI 304	[HP]						
Impeller:	Stainless steel	2.0 -					D.	-
•	EN 1.4301				-		P1	
	AISI 304	1.5 -						-
Material code:	l						P2	
Code for rubber:	V	1.0 -			_			
Installation:								
Range of ambient temperature:	-4 131 °F	0.5 -					P1 = 1263 W	
Maximum operating pressure:	232.06 psi				-		P2 = 1.17 HP	
Max pressure at stated temperature:	232 psi / 194 °F	0.0 -					NPSH = 8.62	ft
	145 psi / 250 °F							
Type of connection:	NPT(F)							
Size of suction port:	1 1/2 inch							
Size of outlet port:	1 1/2 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 <sup>3</sup>							
Electrical data:								
Motor standard:	NEMA							
Frame size:	80B							
Rated power - P2:	1.48 HP							
Main frequency:	60 Hz							
Suitable for 50/60 Hz:	N							
Phase:	1							
Rated voltage:	115/230 V							
Service factor:	1.00							
Rated current:	14.6/7.3 A							
Starting current:	320-320 %							
Rated speed:	3320 rpm							
Enclosure class (IEC 34-5):	IP55							
Insulation class (IEC 85):	F							
Built-in motor protection:	NONE							



		Date:	3/30/2020
Description	Value		
requency converter:	NONE	-	
thers:			
erminal box position:	12		
linimum efficiency index, MEI ‰¥:	0.52		
et weight:	41.4 lb		
oss weight:	46.9 lb		
pprovals:	CE,CULUS,WRAS,ACS,TR,EA C,CURUS		
ountry of origin:	US		
stom tariff no.:	8413.70.2040		

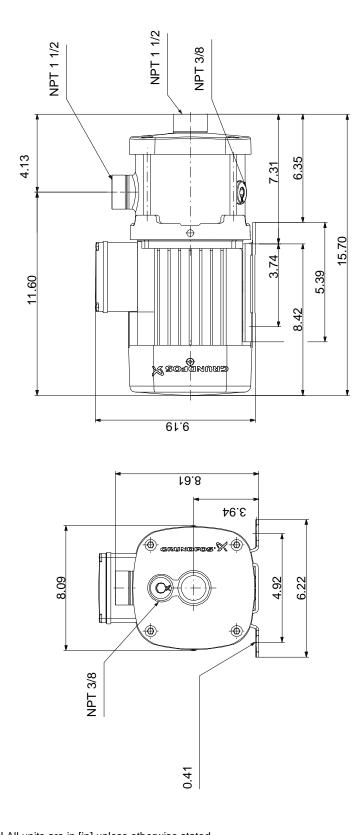


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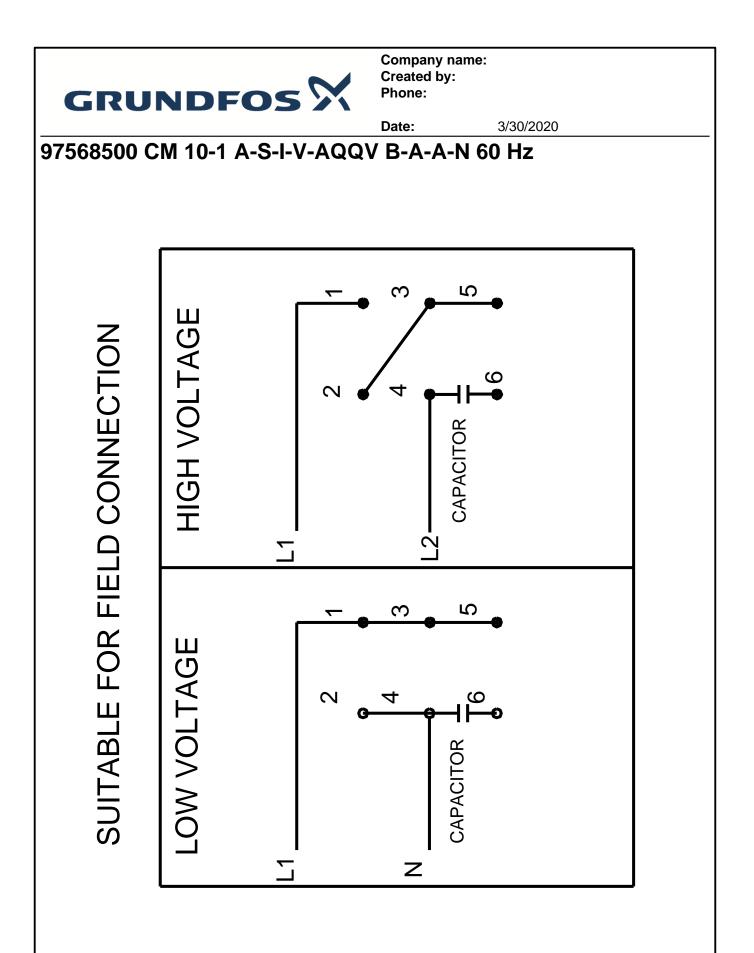


3/30/2020

# 97568500 CM 10-1 A-S-I-V-AQQV B-A-A-N 60 Hz



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



All units are [in] unless otherwise presented.