

### Submittal Data

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



### CM 5-2 A-S-I-E-AQQE B-A-A-N

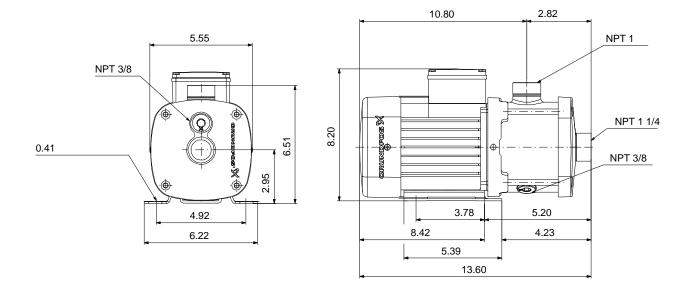
CM are reliable, quiet and compact horizontal end-suction pumps. The modular pump design makes it easy to make customised solutions. The CM pumps are available in cast iron and stainless steel

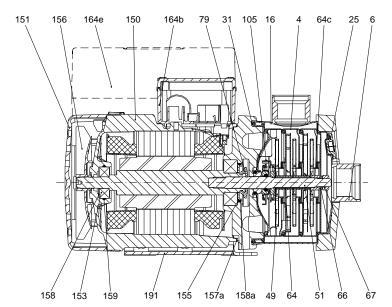
Product photo could vary from the actual product

Conditions of Service	Pump Data Motor Da	ata
Flow:25.1 US gpmHead:63.06 ftEfficiency:33.5 %Liquid:WaterTemperature:68 °FNPSH required:18.05 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:AQQEProduct number:97568405	
H [ft]	Q = 25.1 US gpm H = 63.06 ft	eta [%]
90-	n = 3350 rpm Pumped liquid = Water Liquid temperature during operation = 68 °F	- 90 - 80
70-	Density = 62.29 lb/ft <sup>3</sup>	-70
60 -		- 60
50 -		- 50
40-		- 40
30-		- 30
20		-20
10-	Eff pump = 49.4 % Eff pump+mtr = 33.5 %	- 10
0 2 4 6 8 P [HP]	10 12 14 16 18 20 22 24 26 28 30 Q [US gpm]	L <sub>0</sub> ] NPSH
1.2	P1	[ft] - 60
1.0-		- 50
0.8	P2	- 40
0.6 0.4 0.2 0.0	P1 = 888 W P2 = 0.808 HP NPSH = 18.05 ft	-30 -20 -10 0

## Submittal Data







#### Materials:

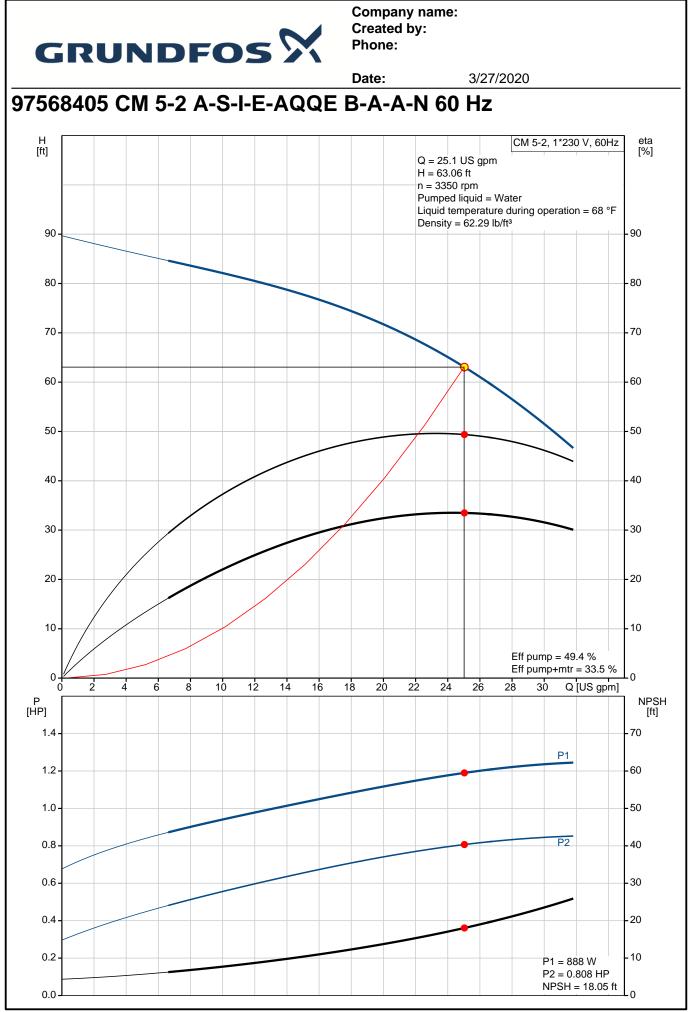
Pump housing:	Stainless steel
	AISI 304
Impeller:	Stainless steel
	AISI 304
	EN 1.4301
Material code:	1
Code for rubber:	E

165x100

G	RUNDFO	ns X	Company n Created by: Phone:	
			Date:	3/27/2020
Count	Description			
1	CM 5-2 A-S-I-E-AQQE B-A-A-	N		
	Product No.: 97568405	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 stail ork connection is	
	The pump is fitted with a 1-pha	se, foot-mounted,	fan-cooled asynch	nronous 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 <sup>3</sup>		
	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 25.1 US gpm 24.8 US gpm 63.06 ft 70.11 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 temper	232.06 psi ature: 232 psi / 1		
	Type of connection: Size of suction port: Size of outlet port: Outlet position:	145 psi / 2 NPT(F) 1 1/4 inch 1 inch 12	50 °F	
	Electrical data: Motor standard: Frame size: Rated power - P2: Main frequency:	NEMA 80A 1.05 HP 60 Hz		



			Date:	3/27/2020	
Count	Description				
	Suitable for 50/60 Hz:	Ν			
	Phase:	1			
	Rated voltage:	115/230 V			
	Service factor:	1.00			
	Rated current:	10.6/5.4 A			
	Starting current:	300-300 %			
	Rated speed:	3240 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, ME	≥: 0.7			
	Net weight:	30.2 lb			
	Gross weight:	35.7 lb			
	Approvals:	CE,CULUS,WR	AS,ACS,TR,EAC	,CURUS	
	Country of origin:	US			
	Custom tariff no.:	8413.70.2040			
	1				





Description	Value	H [ft]		CM 5-2, 1*230	V, 60⊢
General information:			Q = 25.1 US gpm H = 63.06 ft		
oduct name:	CM 5-2 A-S-I-E-AQQE B-A-A-N	90 -	n = 3350 rpm Pumped liquid = V	Vater	
oduct No.:	97568405	00	Liquid temperatur Density = 62.29 lb	e during operation	= 68 °
N:	5700318669665	80 -	Density = $62.29$ it		
in.	5700318669665				
chnical:	3700318089803	70 -			
ump speed on which pump data e based:	3480 rpm	60 -			
Actual calculated flow:	25.1 US gpm				
Rated flow:	24.8 US gpm	50 -			$\mathbf{N}$
Resulting head of the pump:	63.06 ft	40 -			$\sim$
Rated head:	70.11 ft	40 -			
mpellers:	2	30 -			~
Code for shaft seal:	AQQE				
Curve tolerance:	ISO9906:2012 3B	20 - /			
Pump version:	A				
Model:	A	10-			
Model. Materials:				Eff pump = 49.4 Eff pump+mtr =	
Pump housing:	Stainless steel	0	5 10 15 2		1
r amp nousing.	EN 1.4301	P	0 IU 15 2	บ 25 ผูไเ	ÚS gp
	AISI 304	[HP]			
mpeller:	Stainless steel				P1
mpeller.	EN 1.4301	1.2 -			
	AISI 304	1.0 -			
Matarial anda:		0.8			P2
Material code:	E				2
Code for rubber:	E	0.6 -			-
Installation:	4 404 %	0.4 -			-
Range of ambient temperature:	-4 131 °F	0.2		P1 = 888	
Maximum operating pressure:	232.06 psi			P2 = 0.80 NPSH =	
Max pressure at stated emperature:	232 psi / 194 °F	0.0 -			
	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 <sup>3</sup>				
Electrical data:					
Motor standard:	NEMA				
Frame size:	80A				
Rated power - P2:	1.05 HP				
Main frequency:	60 Hz				
Suitable for 50/60 Hz:	Ν				
Phase:	1				
Rated voltage:	115/230 V				
Service factor:	1.00				
Rated current:	10.6/5.4 A				
Starting current:	300-300 %				
Rated speed:	3240 rpm				
Enclosure class (IEC 34-5):	IP55				
Insulation class (IEC 85):	F				
Built-in motor protection:	NONE				

eta [%]

90

80

- 70 - 60

- 50

- 40

- 30

- 20

10

0

- 60 - 50 - 40

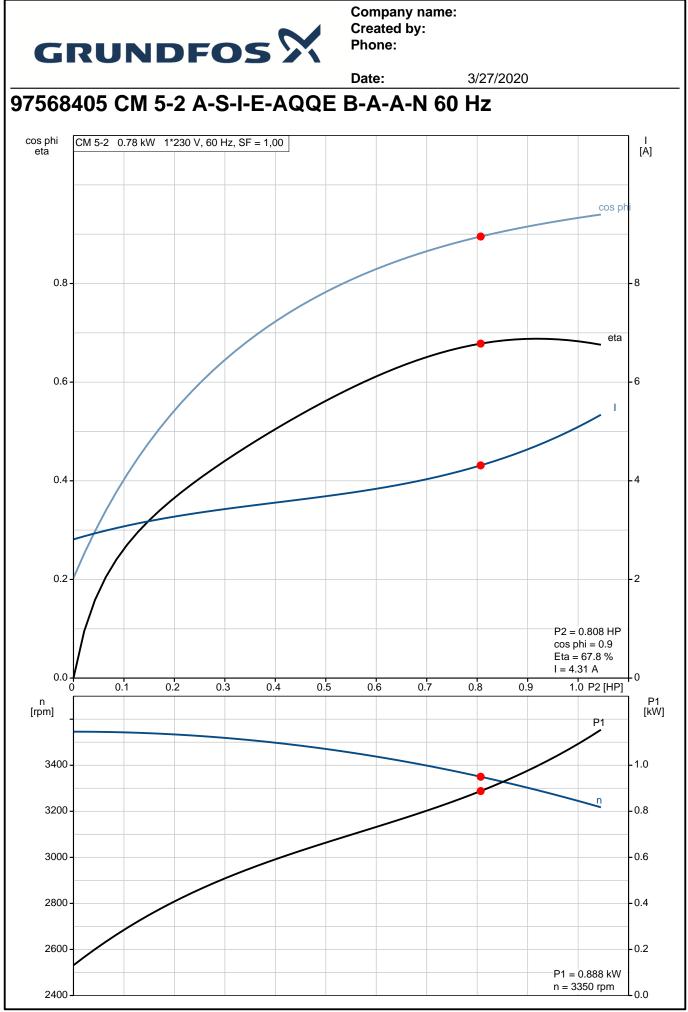
30 - 20

- 10 -0

NPSH [ft]



		Date	:
Description	Value		
Frequency converter:	NONE	-	
Others:			
Terminal box position:	12		
Minimum efficiency index, MEI ≥:	0.7		
Net weight:	30.2 lb		
Gross weight:	35.7 lb		
Approvals:	CE,CULUS,WRAS,ACS,TR,EA C,CURUS		
Country of origin:	US		
Custom tariff no.:	8413.70.2040		

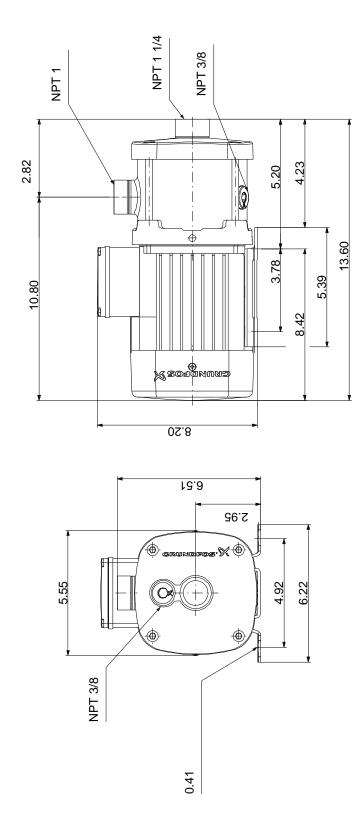


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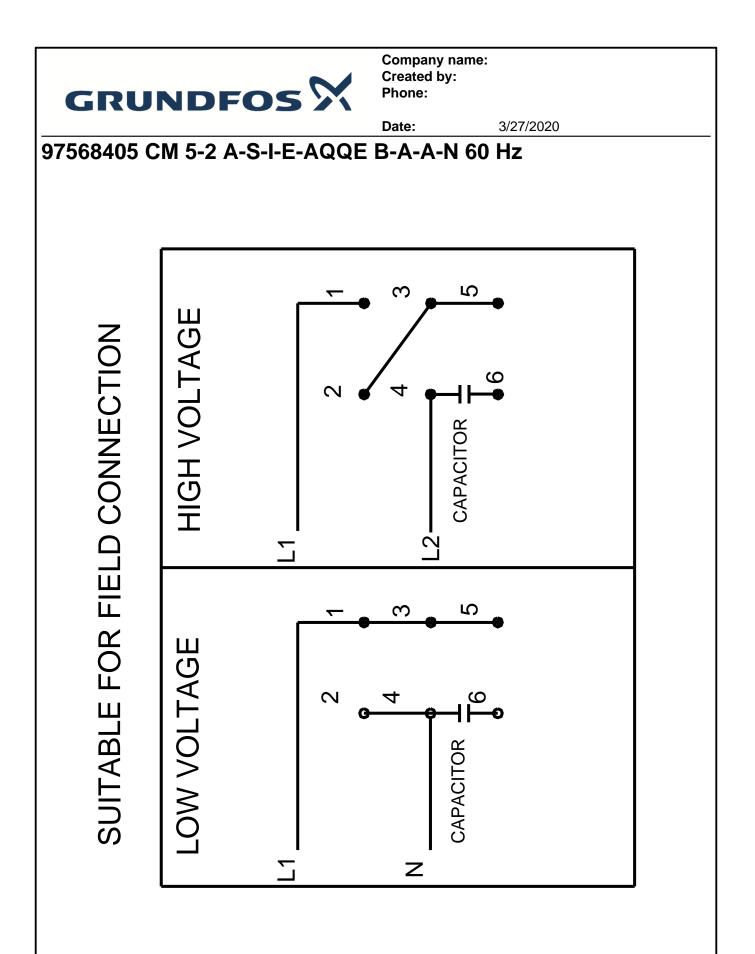


3/27/2020

# 97568405 CM 5-2 A-S-I-E-AQQE 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.