

Submittal Data

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

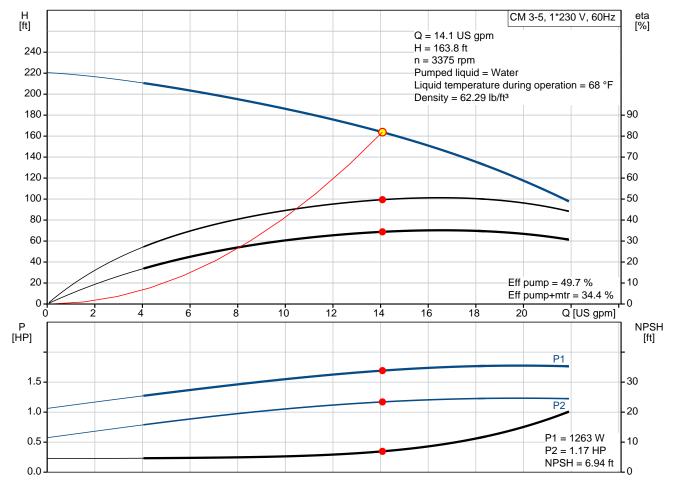


CM 3-5 A-S-G-E-AQQE B-A-A-N

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

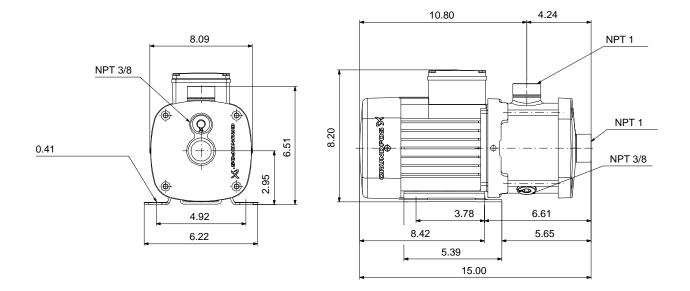
Product photo could vary from the actual product

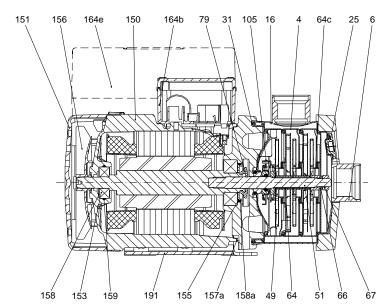
Conditions	of Service	Pump Data		Motor Dat	а
Flow: Head: Efficiency: Liquid: Temperature: NPSH required: Viscosity: Specific Gravity:	14.1 US gpm 163.8 ft 34.4 % Water 68 °F 6.94 ft 1.000	Max pressure at stated temperature: Liquid temperature range: Maximum ambient temperature: Shaft seal: Product number:	232 psi / 194 °F -4 248 °F 131 °F AQQE 97568299	Main frequency: Enclosure class:	60 Hz IP55





Submittal Data





Materials:

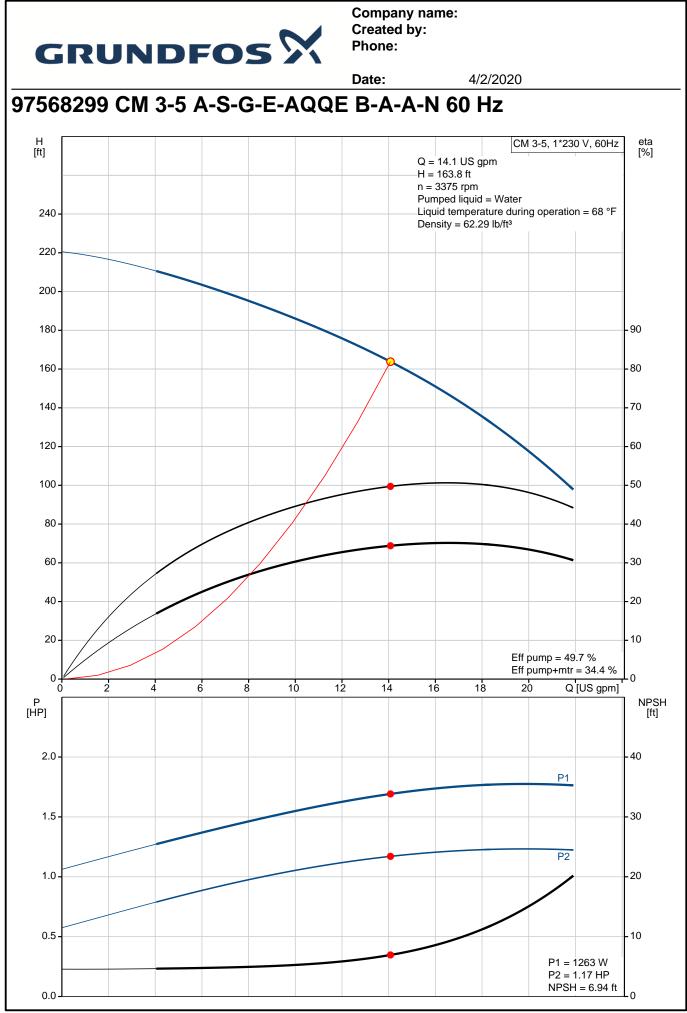
materialer	
Pump housing:	Stainless steel
	AISI 316
Impeller:	Stainless steel
	AISI 316
	EN 1.4401
Material code:	G
Code for rubber:	E

165x100

G	RUNDFO	s×	Company r Created by Phone:	
			Date:	4/2/2020
Count	Description			
1	CM 3-5 A-S-G-E-AQQE B-A-A	-N		
	Product No.: 97568299	Product photo co	uld vary from the a	ctual product
	seal is a special designed, unb	alanced O-ring seal	I. Pipework conr	ump with axial suction port and radial h-grade stainless steel. The mechanical shaft nection is via internal NPT pipe threads.
	The pump is fitted with a 1-pha	se, foot-mounted, fa	an-cooled async	hronous motor.
	Controls: Frequency converter:	NONE		
	Liquid: Pumped liquid: Liquid temperature range:	Water -4 248 °F		
	Selected liquid temperature: Density:	68 °F 62.29 lb/ft ³		
	Technical: Pump speed on which pump date Actual calculated flow: Rated flow: Resulting head of the pump: Rated head: Code for shaft seal: Curve tolerance:	ata are based: 348 14.1 US gpm 16.4 US gpm 163.8 ft 162.8 ft AQQE ISO9906:2012 38		
	Materials: Pump housing:	Stainless steel EN 1.4401		
	Impeller:	AISI 316 Stainless steel EN 1.4401 AISI 316		
	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 / 25 NPT(F) 1 inch 1 inch 12	60 °F	
	Electrical data: Motor standard: Frame size: Rated power - P2:	NEMA 80B 1.48 HP		
	Main frequency:	60 Hz		



Count	Description Suitable for 50/60 Hz: Phase: Rated voltage: Service factor: Rated current: Starting current: Rated speed: Enclosure class (IEC 34-5):	N 1 115/230 V 1.00 14.6/7.3 A 320-320 % 3320 rpm			
	Phase: Rated voltage: Service factor: Rated current: Starting current: Rated speed: Enclosure class (IEC 34-5):	1 115/230 V 1.00 14.6/7.3 A 320-320 % 3320 rpm			
	Rated voltage: Service factor: Rated current: Starting current: Rated speed: Enclosure class (IEC 34-5):	115/230 V 1.00 14.6/7.3 A 320-320 % 3320 rpm			
	Service factor: Rated current: Starting current: Rated speed: Enclosure class (IEC 34-5):	1.00 14.6/7.3 A 320-320 % 3320 rpm			
	Service factor: Rated current: Starting current: Rated speed: Enclosure class (IEC 34-5):	14.6/7.3 A 320-320 % 3320 rpm			
	Starting current: Rated speed: Enclosure class (IEC 34-5):	320-320 % 3320 rpm			
	Rated speed: Enclosure class (IEC 34-5):	3320 rpm			
	Enclosure class (IEC 34-5):				
	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	≥: 0.7			
	Net weight:	34.4 lb			
	Gross weight:	39.9 lb			
	Approvals:	CE,CULUS,WRAS,ACS,1	R,EAC,CUR	JS	
	Country of origin:	US			
	Custom tariff no.:	8413.70.2040			

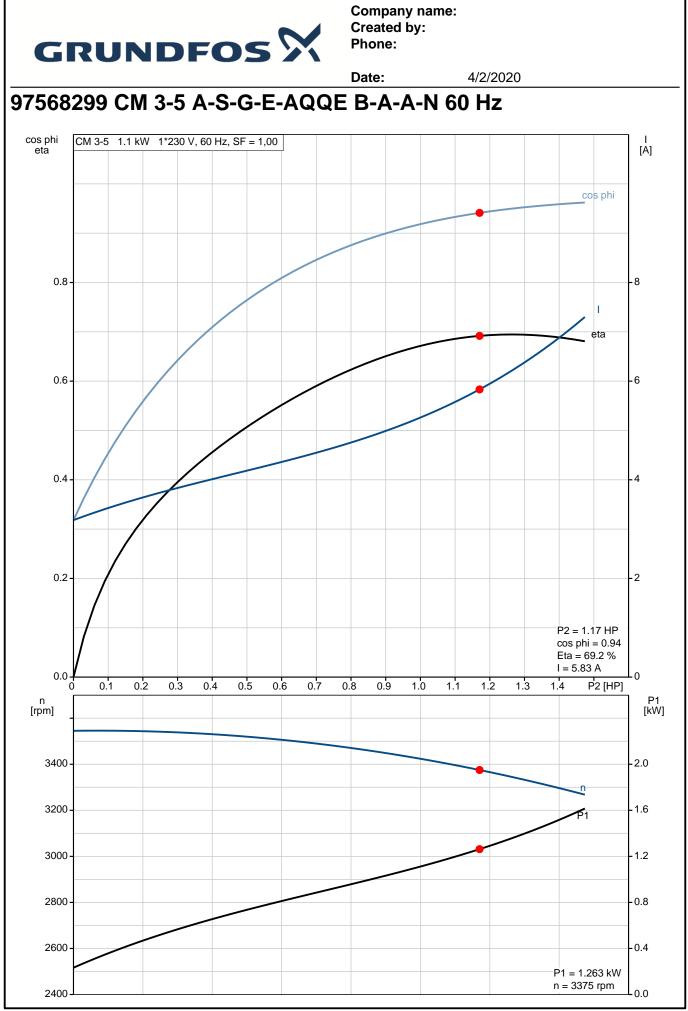




		— —			a	
Description	Value	H [ft]			CM 3-5, 1*23	30 V, 60Hz
General information:			Q = 14. H = 163	1 US gpm .8 ft		
Product name:	CM 3-5 A-S-G-E-AQQE B-A-A-N	240 -	n = 337 Pumper	5 rpm 1 liquid = W		00 0 F
Product No.:	97568299	220		emperature = 62.29 lb/i	during operation	on = 68 °F
EAN:	5700318668606	200 -				
	5700318668606					
Technical:		180 -				
Pump speed on which pump data	0.400	160 -		Y	\	
are based:	3480 rpm	140 -				
Actual calculated flow:	14.1 US gpm	140 -				
Rated flow:	16.4 US gpm	120 -		_/		
Resulting head of the pump:	163.8 ft	100 -				
Rated head:	162.8 ft	100				`
Impellers:	5	80 -		/		
Code for shaft seal:	AQQE	60 -				\sim
Curve tolerance:	ISO9906:2012 3B					
Pump version:	A	40 -				
Model:	A	20-	/ /		Eff pump 44	2.7.9/
Materials:		—			Eff pump = 49 Eff pump+mtr	5.7 % 1 = 34.4 %
Pump housing:	Stainless steel	0	5 1	0	1	[US gpm]
	EN 1.4401	P	-			
	AISI 316	[HP]				
Impeller:	Stainless steel	2.0 -				P1
	EN 1.4401					PI
	AISI 316	1.5 -				
Material code:	G	_				P2
Code for rubber:	E	1.0				P2
Installation:						
Range of ambient temperature:	-4 131 °F	0.5				
Maximum operating pressure:	232.06 psi					1263 W 1.17 HP
Max pressure at stated temperature:	232 psi / 194 °F	0.0				H = 6.94 ft
	145 psi / 250 °F					
Type of connection:	NPT(F)					
Size of suction port:	1 inch					
Size of outlet port:	1 inch					
•						
Outlet position: Connect code:	12 S					
	3					
Liquid:	Water					
Pumped liquid:						
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					
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					
	IP55					
Enclosure class (IEC 34-5):	11 00					
Insulation class (IEC 85):	F					



		Date:	4/2/2020
Description	Value		
equency converter:	NONE	-	
ers:			
minal box position:	12		
nimum efficiency index, MEI ₅₀ ¥:	0.7		
et weight:	34.4 lb		
oss weight:	39.9 lb		
provals:	CE,CULUS,WRAS,ACS,TR,EA C,CURUS		
untry of origin:	US		
ustom tariff no.:	8413.70.2040		

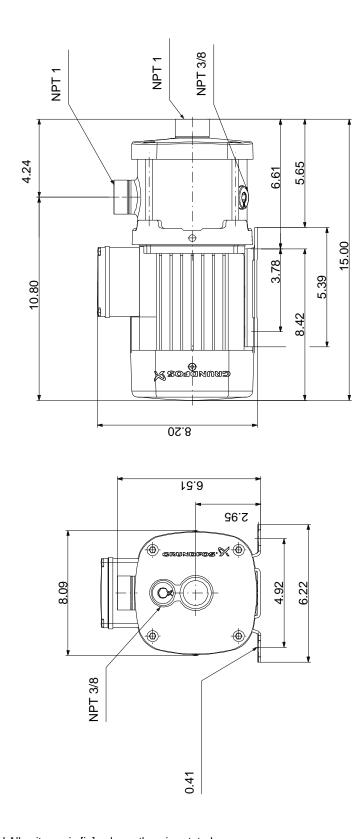


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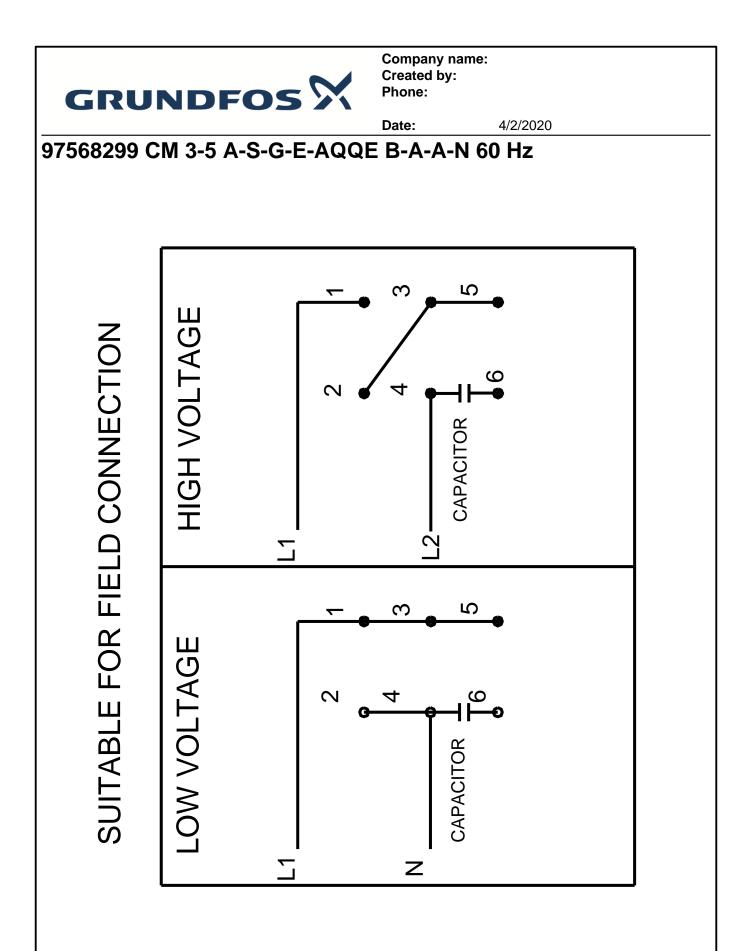


4/2/2020

97568299 CM 3-5 A-S-G-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.