

Submittal Data

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



CM 3-7 A-S-G-V-AQQV B-A-A-N

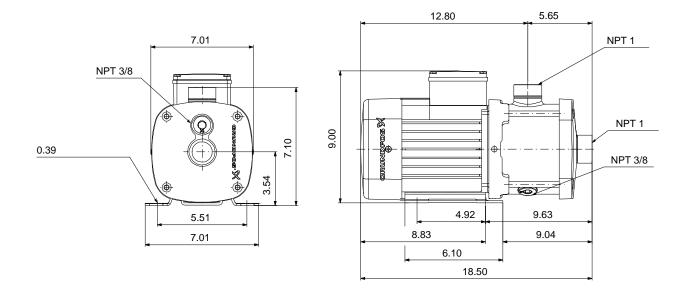
CM are reliable, quiet and compact horizontal end-suction pumps. The modular pump design makes it easy to make customised solutions. The CM pumps are available in cast iron and stainless steel

Product photo could vary from the actual product

Conditions of Service		Pump Data				Motor Data					
Flow: Head: Efficiency: Liquid: Temperature: NPSH required: Viscosity: Specific Gravity:	14.1 US gpm 233.7 ft 34.5 % Water 68 °F 6.97 ft 1.000	Liquid Maxim Shaft s	tempera ium amb	ture rang ient temp	temperat ge: perature:	ure:	232 psi / -4 248 ° 131 °F AQQV On reque	Ϋ́F		requency: sure class:	
H [ft] 300 -							Q = 14.1 US H = 233.7 ft n = 3393 rpm Pumped liqui Liquid tempe Density = 62	gpm id id = Water rature dur	T	30 V, 60Hz ion = 68 °F	eta [%]
250 -						P					- 100
200 -											- 80
150 -										•	- 60
100 -			-							_	-40
50-								Ef	f pump = 5 f pump+m	50.2 % tr = 34.5 %	-20
0 0 2 0 2	4 6	5 8	3 1	0 1	12 1	4	16 1		· ·	Q [US gpm]	L ₀] NPSH
[HP]											[ft]
2.5 -						•			P1		- 50
2.0-									P2	,	- 40
1.5-											- 30 - 20
0.5-						•			P2 =	= 1.798 kW = 1.66 HP SH = 6.97 ft	- 10
0.0			1			1	1	1			L ₀ 1/10



Submittal Data



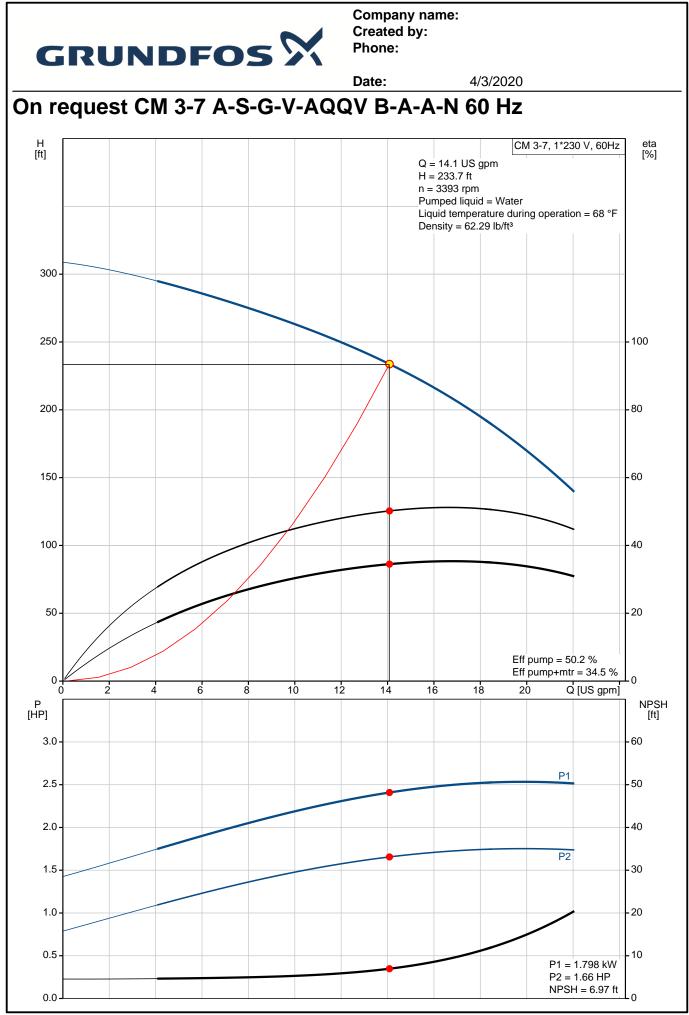
Materials:

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

G	RUNDFO	os X	Company r Created by Phone:	
			Date:	4/3/2020
Count	Description			
1	CM 3-7 A-S-G-V-AQQV B-A-A	-N		
	Product No.: On request	Product photo co	uld vary from the a	ctual product
	seal is a special designed, unb	alanced O-ring seal	. 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:	Water		
	Liquid temperature range: Selected liquid temperature: Density:	-4 248 °F 68 °F 62.29 lb/ft³		
	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: 348 14.1 US gpm 16.4 US gpm 233.7 ft 229.6 ft AQQV 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	94 °F	
	Type of connection: Size of suction port:	145 psi / 25 NPT(F) 1 inch		
	Size of outlet port: Outlet position:	1 inch 12		
	Electrical data: Motor standard: Frame size:	NEMA 90B		
	Rated power - P2: Main frequency:	90B 2.01 HP 60 Hz		



ount	Description				
	Description				
	Suitable for 50/60 Hz:	Ν			
	Phase:	1			
	Rated voltage:	115/230 V			
	Service factor:	1.00			
	Rated current:	18.8/9.8 A			
	Starting current:	400-400 %			
	Rated speed:	3360 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	≥: 0.7			
	Net weight:	52.9 lb			
	Gross weight:	58.4 lb			
	Approvals:	CE,CULUS,WR	AS,ACS,TR,EAC,	CURUS	
	Country of origin:	US			
	Custom tariff no.:	8413.70.2040			
	1				

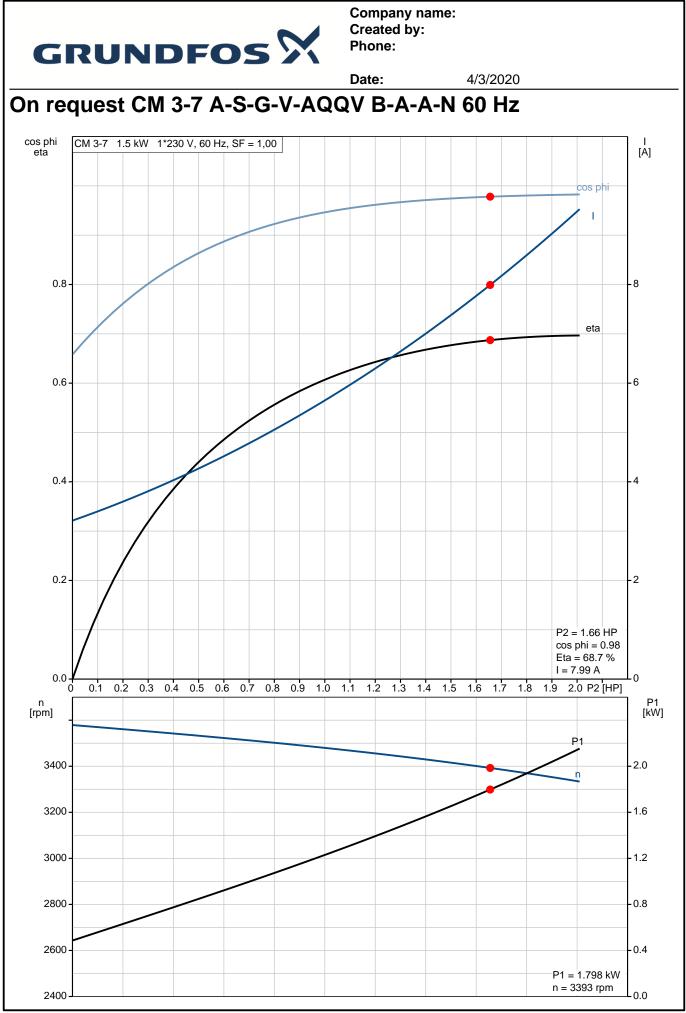




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Description	Value	H [ft]		CM 3-7, 1*230 V, 60H	z
General information:		_	Q = 14.1 US H = 233.7 ft	gpm	
Product name:	CM 3-7 A-S-G-V-AQQV B-A-A-N		n = 3393 rpm Pumped liqui	id = Water	
Product No.:	On request	300 -	Liquid tempe Density = 62	rature during operation = 68 °F .29 lb/ft ³	
EAN:	On request				
	On request				
Technical:		250 -			┢
Pump speed on which pump data are based:	a 3480 rpm				
Actual calculated flow:	-	200 -			
Rated flow:	14.1 US gpm				
	16.4 US gpm	450			
Resulting head of the pump:	233.7 ft	150 -			t
Rated head:	229.6 ft 7				
Impellers:		100 -			┢
Code for shaft seal:	AQQV				
Curve tolerance:	ISO9906:2012 3B				
Pump version:	A	50-			t
Model:	A	- $ //$		Eff pump = 50.2 %	
Materials:		0		Eff pump+mtr = 34.5 %	_
Pump housing:	Stainless steel	0 	5 10	15 Q [US gpm]
	EN 1.4401	P [HP]			
	AISI 316				┢
Impeller:	Stainless steel	2.5 -		P1	_
	EN 1.4401				
	AISI 316	2.0 -			÷
Material code:	G	1.5		P2	_
Code for rubber:	V				
Installation:		1.0-			÷
Range of ambient temperature:	-4 131 °F	0.5		P1 = 1.798 kW	L
Maximum operating pressure:	232.06 psi	0.0		P2 = 1.66 HP NPSH = 6.97 f	
Max pressure at stated temperature:	232 psi / 194 °F	0.0		NF3H = 0.97	Ľ
	145 psi / 250 °F				
Type of connection:	NPT(F)				
Size of suction port:	1 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:	90B				
Rated power - P2:	2.01 HP				
Main frequency:	60 Hz				
Suitable for 50/60 Hz:	N				
Phase:	1				
Rated voltage:	115/230 V				
Service factor:	1.00				
Rated current:	18.8/9.8 A				
Starting current:	400-400 %				
Rated speed:	3360 rpm				
Enclosure class (IEC 34-5):	IP55				
Insulation class (IEC 85):	F				
Built-in motor protection:	NONE				



		Date:	4/3/2020
Description	Value		
Frequency converter:	NONE	-	
Others:			
Terminal box position:	12		
Minimum efficiency index, MEI ≥:	0.7		
Net weight:	52.9 lb		
Gross weight:	58.4 lb		
Approvals:	CE,CULUS,WRAS,ACS,TR,EA C,CURUS		
Country of origin:	US		
Custom tariff no.:	8413.70.2040		

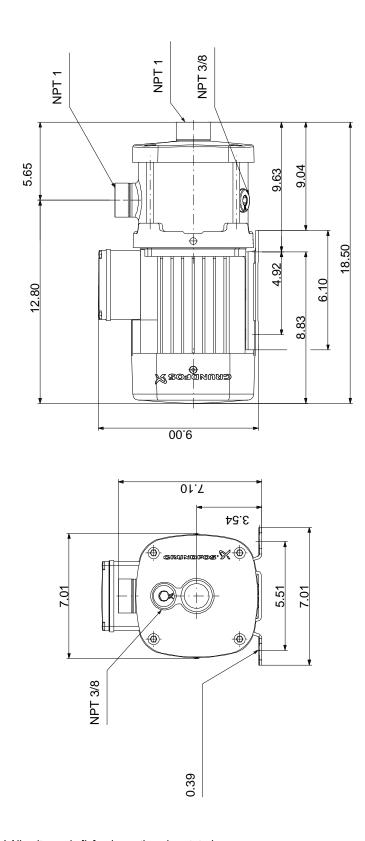


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4/3/2020

On request CM 3-7 A-S-G-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.

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