Company name:	JC Yared
Created by:	Kevin Saliba
Phone:	+961 70 900 199
Email:	kevin.saliba@jcyared.com
Date:	01/08/2022

Qty.	Description
1	**CM 3-6 A-R-G-E-AVBE C-A-A-N**

Note! Product picture may differ from actual product

Product No.: 96935435

Compact, reliable, horizontal, multistage, end-suction centrifugal pump with axial suction port and radial discharge port. Pump materials in contact with the liquid are in high-grade stainless steel. The mechanical shaft seal is a special designed, unbalanced O-ring seal. Pipework connection is via internal Whitworth pipe threads, Rp (ISO 7/1).

The pump is fitted with a 1-phase, foot-mounted, fan-cooled asynchronous motor.

Further product details

Pump and motor are integrated in a compact and user-friendly design. The pump is fitted to a low base plate, making it ideal for installation in systems where compactness is important.

The state-of-the-art design and materials of the shaft seal ensure high wear resistance, improved sticking and dry-running capabilities and long operating life.

Servicing the pump requires no special service tools. Service parts are in stock for quick delivery and are available as kits, single parts or bulk. Service videos are available on www.youtube.com.

Pump

A combination of a stop ring and a Nord-lock® washer secures a tight and reliable fixation of the impeller spacing pipes to the splined pump shaft. It is possible to remove and fit the hydraulic parts from the pump side. The inlet and outlet port are integrated in the pump sleeve. The inlet part, chambers and discharge part are hold together by four staybolts and a retaining flange.

The pump is fitted with an unbalanced O-ring seal with a rigid torque-transmission system. It has a fixed seal driver ensuring a reliable rotation of all parts. The dynamic secondary seal is an O-ring.

Seal faces:

- Rotating seal ring material: aluminium oxide (alumina)
- Stationary seat material: carbon graphite, resin-impregnated

Carbon graphite against alumina is a good all-round seal for not too demanding applications. The corrosion resistance is often limited in water to a range between pH 5 and pH 10. Usage in liquids above 90 °C is not recommended. The seal can handle dry-running conditions for short periods.

Secondary seal material: EPDM (ethylene-propylene rubber)
EPDM has excellent resistance to hot water. EPDM is not suitable for mineral oils.

The pump shaft is connected to the motor shaft through a left thread and tight fit. The shaft cannot be dismantled.

Motor

The motor is a totally enclosed, fan-cooled motor with principal dimensions to EN 50347. Electrical tolerances comply with EN 60034.

GRUNDFOS

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Qty.	Description
1	**Technical data**

Controls:		
Frequency converter:	NONE	
Liquid:		
Pumped liquid:	Water	
Liquid temperature range:	-20 .. 90 °C	
Selected liquid temperature:	20 °C	
Density:	998.2 kg/m³	
Technical:		
Pump speed on which pump data are based:		2900 rpm
Actual calculated flow:	1.628 m³/h	
Rated flow:	3.1 m³/h	
Resulting head of the pump:	48.44 m	
Rated head:	41.53 m	
Code for shaft seal:	AVBE	
Approvals:	CE,EAC	
Approvals for drinking water:	ACS,NSF61,UBA	
Curve tolerance:	ISO9906:2012 3B	
Materials:		
Pump housing:	Stainless steel	
	EN 1.4401	
	AISI 316	
Impeller:	Stainless steel	
	EN 1.4401	
	AISI 316	
Installation:		
Range of ambient temperature:	-20 .. 55 °C	
Maximum operating pressure:	10 bar	
Max pressure at stated temp:	10 bar / 40 °C	
	6 bar / 90 °C	
Type of connection:	Rp	
Size of inlet connection:	1 inch	
Size of outlet connection:	1 inch	
Outlet position:	12	
Electrical data:		
Motor standard:	IEC	
Frame size:	80A	
Rated power - P2:	0.67 kW	
Mains frequency:	50 Hz	
Suitable for 50/60 Hz:	N	
Rated voltage:	1 x 220-240 V V	
Service factor:	1.00	
Rated current:	4.4-4.0 A	
Starting current:	390-390 %	
Rated speed:	2720-2800 rpm	
Enclosure class (IEC 34-5):	IP55	
Insulation class (IEC 85):	F	
Built-in motor protection:	PTO	
Cable included (Yes/No):	N	
Others:		
Terminal box position:	12	

Company name: JC Yared
Created by: Kevin Saliba
Phone: +961 70 900 199
Email: kevin.saliba@jcyared.com
Date: 01/08/2022

Qty.	Description
1	Minimum efficiency index, MEI ≥: 0.7 Net weight: 15.1 kg Gross weight: 17.6 kg

GRUNDFOS

Company name:	JC Yared
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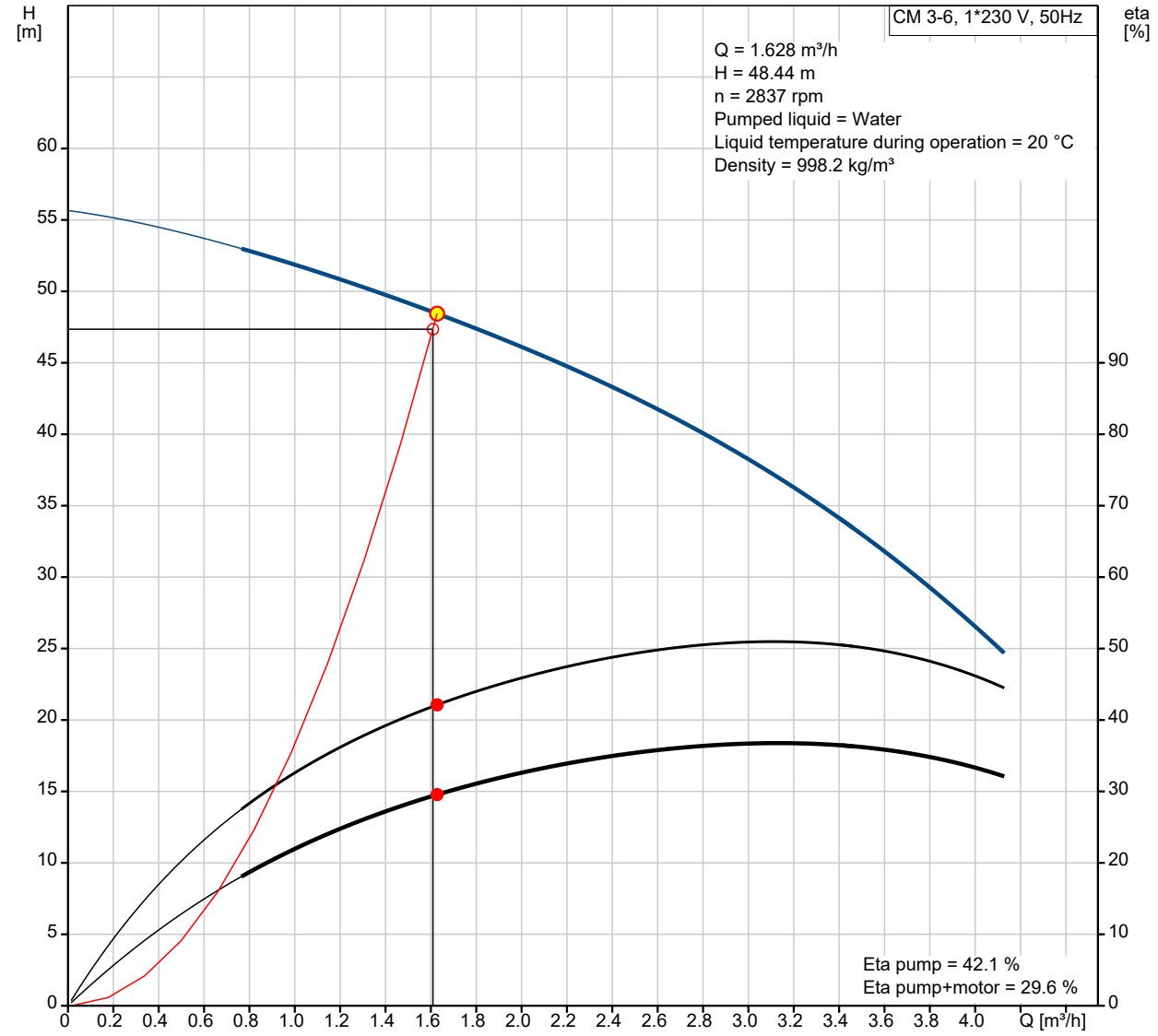
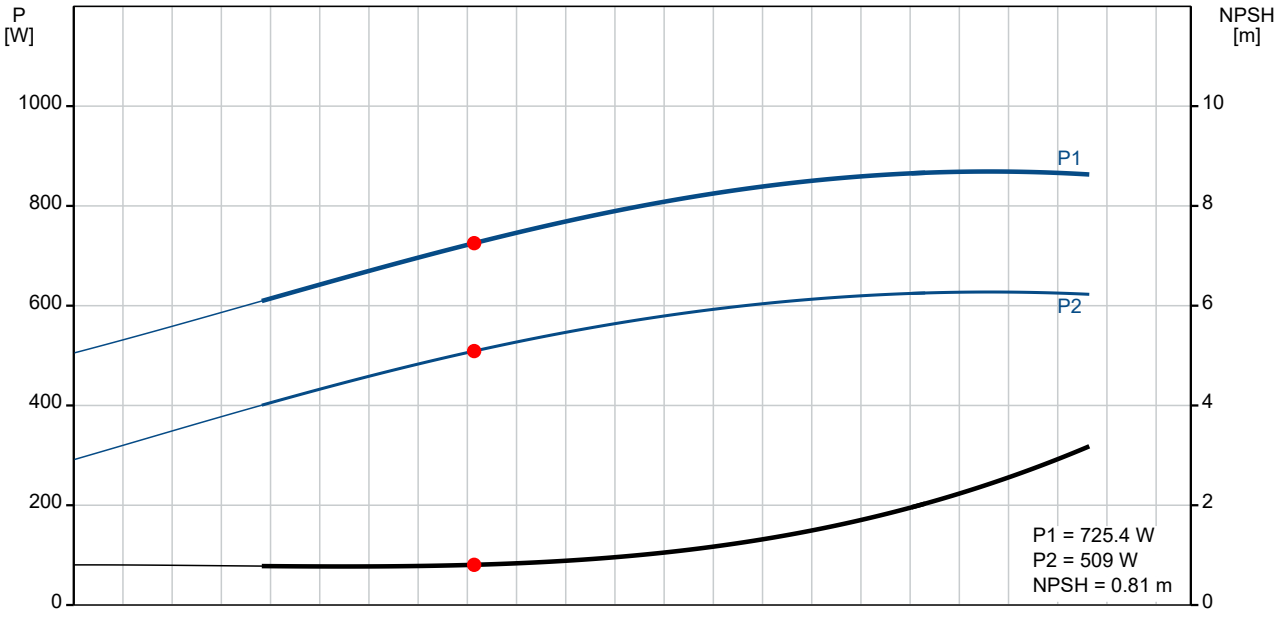
Date:	01/08/2022

96935435 CM 3-6 A-R-G-E-AVBE C-A-A-N 50 Hz





GRUNDFOS

Company name:	JC Yared
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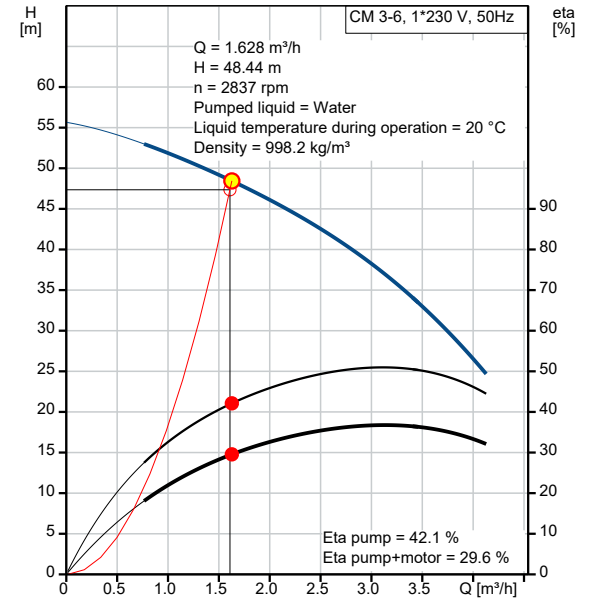
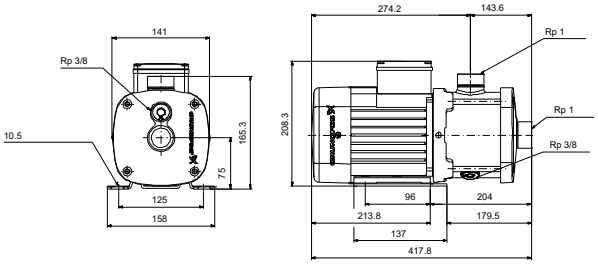
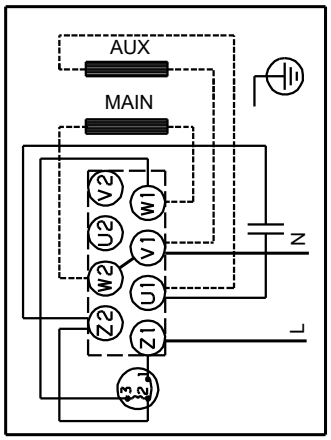
Date:	01/08/2022

Description	Value
General information:	
Product name:	CM 3-6 A-R-G-E-AVBE C-A-A-N
Product No:	96935435
EAN number:	5700314053437
Technical:	
Pump speed on which pump data are based:	2900 rpm
Actual calculated flow:	1.628 m³/h
Rated flow:	3.1 m³/h
Resulting head of the pump:	48.44 m
Rated head:	41.53 m
Impellers:	6
Code for shaft seal:	AVBE
Approvals:	CE,EAC
Approvals for drinking water:	ACS,NSF61,UBA
Curve tolerance:	ISO9906:2012 3B
Pump version:	A
Model:	A
Materials:	
Pump housing:	Stainless steel
Pump housing:	EN 1.4401
Pump housing:	AISI 316
Impeller:	Stainless steel
Impeller:	EN 1.4401
Impeller:	AISI 316
Material code:	G
Code for rubber:	E
Installation:	
Range of ambient temperature:	-20 .. 55 °C
Maximum operating pressure:	10 bar
Max pressure at stated temp:	10 bar / 40 °C
Max pressure at stated temp:	6 bar / 90 °C
Type of connection:	Rp
Size of inlet connection:	1 inch
Size of outlet connection:	1 inch
Outlet position:	12
Connect code:	R
Liquid:	
Pumped liquid:	Water
Liquid temperature range:	-20 .. 90 °C
Selected liquid temperature:	20 °C
Density:	998.2 kg/m³
Electrical data:	
Motor standard:	IEC
Frame size:	80A
Rated power - P2:	0.67 kW
Mains frequency:	50 Hz
Suitable for 50/60 Hz:	N
Rated voltage:	1 x 220-240 V V
Service factor:	1.00
Rated current:	4.4-4.0 A
Starting current:	390-390 %
Rated speed:	2720-2800 rpm
Enclosure class (IEC 34-5):	IP55
Insulation class (IEC 85):	F
Built-in motor protection:	PTO
Cable included (Yes/No):	N
Controls:	







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Description	Value
Frequency converter:	NONE
Others:	
Terminal box position:	12
Minimum efficiency index, MEI ≥:	0.7
Net weight:	15.1 kg
Gross weight:	17.6 kg

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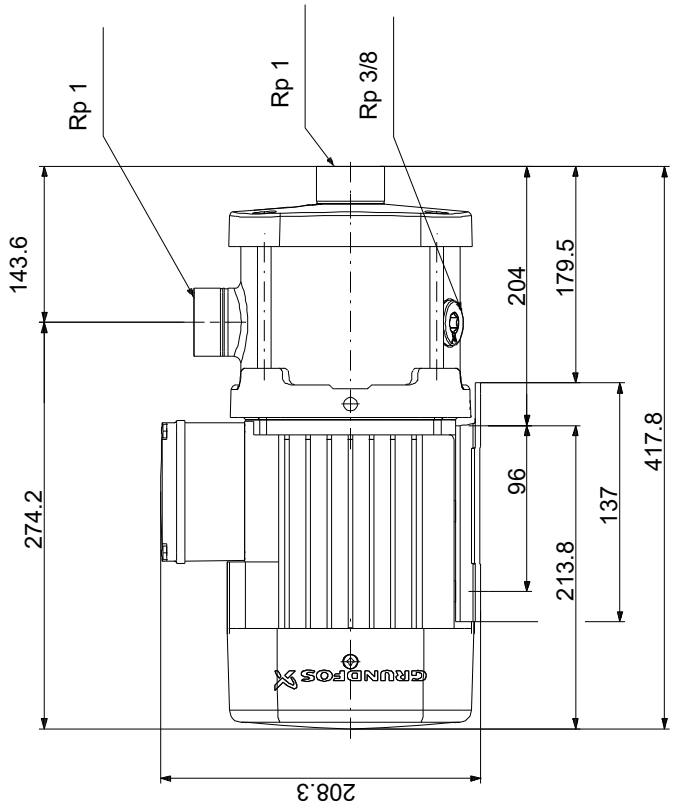
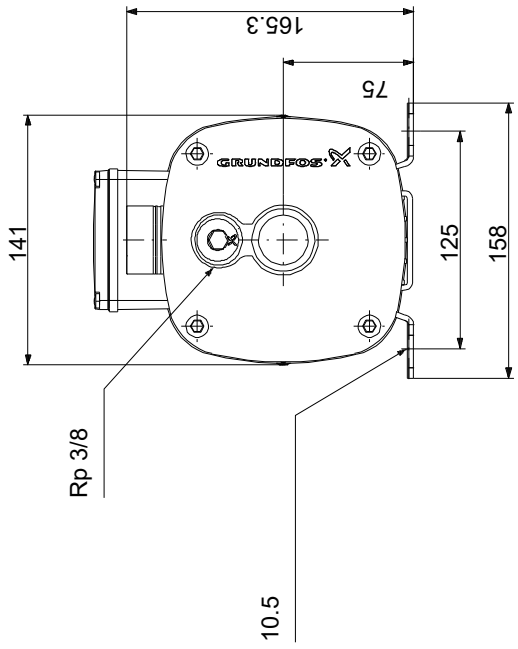
96935435 CM 3-6 A-R-G-E-AVBE C-A-A-N 50 Hz





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