

**Date:** 19/01/2021

## Qty. | Description

1 CRT 4-4 A-P-A-E-AUUE



Product No.: 96100797

Vertical, non-self-priming, multistage, in-line, centrifugal pump for installation in pipe systems and mounting on a foundation.

The pump has the following characteristics:

- Impellers, intermediate chambers and outer

Impeller: sleeve are made of Titanium.

Pump housing: - Pump head cover and base are made of Titanium.

- The shaft seal has assembly length

according to EN 12756.

- Power transmission is via cast iron split

coupling.

Flange standard: - Pipework connection is via PJE

flanges/couplings.

Phase: The motor is a 3-phase AC motor.

Liquid:

Pumped liquid: Water
Liquid temperature range: -20 .. 120 °C
Selected liquid temperature: 20 °C
Density: 998.2 kg/m³

Technical:

Pump speed on which pump data are based: 2900 rpm

Rated flow: 6 m³/h
Rated head: 23.9 m
Primary shaft seal: AUUE
Approvals on nameplate: CE,TR

Curve tolerance: ISO9906:2012 3B

Materials:

Pump housing: Titanium

ASTM B 265

Impeller: Titanium

ASTM B 265

Bush material: NONE

Installation:

Maximum ambient temperature: 60 °C

Max pressure at stated temp: 25 bar / 120 °C

25 bar / -20 °C

Flange standard: PJE
Pipe connection: 42,4 mm
Flange size for motor: FT100

Electrical data:



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Motor type: 80A
IE Efficiency class: IE3
Rated power - P2: 0.75 kW
Power (P2) required by pump: 0.75 kW

0.75 kW

Mains frequency: 50 Hz

Rated voltage: 3 x 220-240D/380-415Y V

Rated current:

Starting current:

Cos phi - power factor:

Rated speed:

Efficiency:

Motor efficiency at full load:

Motor efficiency at 1/2 load:

Starting current:

580-620 %

0.81-0.71

2840-2870 rpm

IE3 80,7%

80.7 %

82.7 %

81.7 %

Motor efficiency at 1/2 load: 81.7 9
Number of poles: 2

Enclosure class (IEC 34-5): 55 Dust/Jetting

Insulation class (IEC 85): F

Motor No: 85U05104

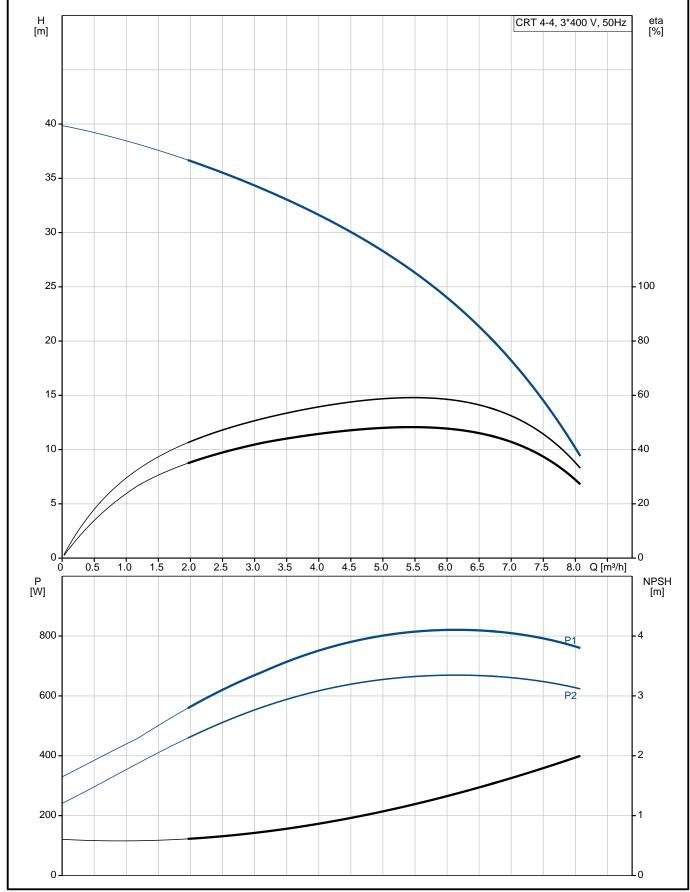
Others:

Minimum efficiency index, MEI ≥: 0.7 Net weight: 18.8 kg Gross weight: 23.8 kg



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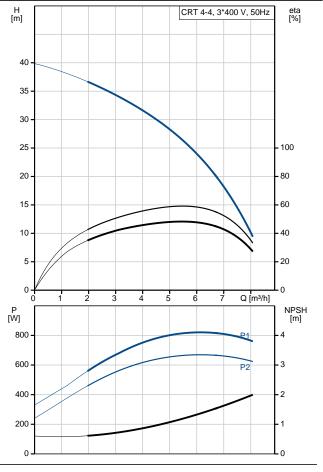
## 96100797 CRT 4-4 A-P-A-E-AUUE 50 Hz

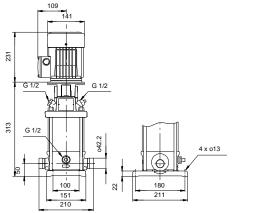


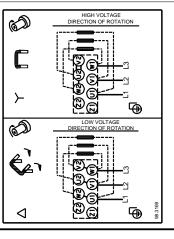


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Description	Value
General information:	
Product name:	CRT 4-4 A-P-A-E-AUUE
Product No:	96100797
EAN number:	5700395849226
Price:	
Technical:	
Pump speed on which pump data are based:	2900 rpm
Rated flow:	6 m³/h
Rated head:	23.9 m
Maximum head:	40.2 m
Head max:	40.2 m
Stages:	4
Impellers:	4
Primary shaft seal:	AUUE
Approvals on nameplate:	CE,TR
Curve tolerance:	ISO9906:2012 3B
Pump version:	Α
Model:	A
Materials:	
Pump housing:	Titanium
Pump housing:	ASTM B 265
Impeller:	Titanium
Impeller:	ASTM B 265
Material code:	A A
Code for rubber:	F
Bush material:	NONE
Installation:	NONE
Maximum ambient temperature:	60 °C
Max pressure at stated temp:	25 bar / 120 °C
Max pressure at stated temp:	25 bar / -20 °C
Max pressure at stated terrip.	23 Dai / -20 C
Flango standard:	DIE
Flange standard:	PJE
Pipe connection:	42,4 mm
Pipe connection: Flange size for motor:	42,4 mm FT100
Pipe connection: Flange size for motor: Connect code:	42,4 mm
Pipe connection: Flange size for motor: Connect code: Liquid:	42,4 mm FT100 P
Pipe connection: Flange size for motor: Connect code: Liquid: Pumped liquid:	42,4 mm FT100 P
Pipe connection: Flange size for motor: Connect code: Liquid: Pumped liquid: Liquid temperature range:	42,4 mm FT100 P Water -20 120 °C
Pipe connection: Flange size for motor: Connect code: Liquid: Pumped liquid: Liquid temperature range: Selected liquid temperature:	42,4 mm FT100 P Water -20 120 °C 20 °C
Pipe connection: Flange size for motor: Connect code: Liquid: Pumped liquid: Liquid temperature range: Selected liquid temperature: Density:	42,4 mm FT100 P Water -20 120 °C
Pipe connection: Flange size for motor: Connect code: Liquid: Pumped liquid: Liquid temperature range: Selected liquid temperature: Density: Electrical data:	42,4 mm FT100 P Water -20 120 °C 20 °C 998.2 kg/m³
Pipe connection: Flange size for motor: Connect code: Liquid: Pumped liquid: Liquid temperature range: Selected liquid temperature: Density: Electrical data: Motor type:	42,4 mm FT100 P Water -20 120 °C 20 °C 998.2 kg/m³
Pipe connection: Flange size for motor: Connect code: Liquid: Pumped liquid: Liquid temperature range: Selected liquid temperature: Density: Electrical data: Motor type: IE Efficiency class:	42,4 mm FT100 P Water -20 120 °C 20 °C 998.2 kg/m³  80A IE3
Pipe connection: Flange size for motor: Connect code: Liquid: Pumped liquid: Liquid temperature range: Selected liquid temperature: Density: Electrical data: Motor type: IE Efficiency class: Rated power - P2:	42,4 mm FT100 P Water -20 120 °C 20 °C 998.2 kg/m³  80A IE3 0.75 kW
Pipe connection: Flange size for motor: Connect code: Liquid: Pumped liquid: Liquid temperature range: Selected liquid temperature: Density: Electrical data: Motor type: IE Efficiency class: Rated power - P2: Power (P2) required by pump:	42,4 mm FT100 P Water -20 120 °C 20 °C 998.2 kg/m³  80A IE3 0.75 kW 0.75 kW
Pipe connection: Flange size for motor: Connect code: Liquid: Pumped liquid: Liquid temperature range: Selected liquid temperature: Density: Electrical data: Motor type: IE Efficiency class: Rated power - P2: Power (P2) required by pump: Power (P2) required by pump:	42,4 mm FT100 P Water -20 120 °C 20 °C 998.2 kg/m³  80A IE3 0.75 kW 0.75 kW 0.75 kW
Pipe connection: Flange size for motor: Connect code: Liquid: Pumped liquid: Liquid temperature range: Selected liquid temperature: Density: Electrical data: Motor type: IE Efficiency class: Rated power - P2: Power (P2) required by pump: Power (P2) required by pump: Mains frequency:	42,4 mm FT100 P Water -20 120 °C 20 °C 998.2 kg/m³  80A IE3 0.75 kW 0.75 kW 0.75 kW 50 Hz 3 x 220-240D/380-415Y
Pipe connection: Flange size for motor: Connect code: Liquid: Pumped liquid: Liquid temperature range: Selected liquid temperature: Density: Electrical data: Motor type: IE Efficiency class: Rated power - P2: Power (P2) required by pump: Power (P2) required by pump: Mains frequency: Rated voltage:	42,4 mm FT100 P Water -20 120 °C 20 °C 998.2 kg/m³  80A IE3 0.75 kW 0.75 kW 0.75 kW 50 Hz 3 x 220-240D/380-415Y V
Pipe connection: Flange size for motor: Connect code: Liquid: Pumped liquid: Liquid temperature range: Selected liquid temperature: Density: Electrical data: Motor type: IE Efficiency class: Rated power - P2: Power (P2) required by pump: Power (P2) required by pump: Mains frequency: Rated voltage: Rated current:	42,4 mm FT100 P Water -20 120 °C 20 °C 998.2 kg/m³  80A IE3 0.75 kW 0.75 kW 0.75 kW 50 Hz 3 x 220-240D/380-415Y V 3.30/1.90 A
Pipe connection: Flange size for motor: Connect code: Liquid: Pumped liquid: Liquid temperature range: Selected liquid temperature: Density: Electrical data: Motor type: IE Efficiency class: Rated power - P2: Power (P2) required by pump: Power (P2) required by pump: Mains frequency: Rated voltage: Rated current: Starting current:	42,4 mm FT100 P Water -20 120 °C 20 °C 998.2 kg/m³  80A IE3 0.75 kW 0.75 kW 0.75 kW 50 Hz 3 x 220-240D/380-415Y V 3.30/1.90 A 580-620 %
Pipe connection: Flange size for motor: Connect code: Liquid: Pumped liquid: Liquid temperature range: Selected liquid temperature: Density: Electrical data: Motor type: IE Efficiency class: Rated power - P2: Power (P2) required by pump: Power (P2) required by pump: Mains frequency: Rated voltage: Rated current: Starting current: Cos phi - power factor:	42,4 mm FT100 P Water -20 120 °C 20 °C 998.2 kg/m³  80A IE3 0.75 kW 0.75 kW 0.75 kW 50 Hz 3 x 220-240D/380-415Y V 3.30/1.90 A 580-620 % 0.81-0.71
Pipe connection: Flange size for motor: Connect code: Liquid: Pumped liquid: Liquid temperature range: Selected liquid temperature: Density: Electrical data: Motor type: IE Efficiency class: Rated power - P2: Power (P2) required by pump: Power (P2) required by pump: Mains frequency: Rated voltage: Rated current: Starting current: Cos phi - power factor: Rated speed:	42,4 mm FT100 P Water -20 120 °C 20 °C 998.2 kg/m³  80A IE3 0.75 kW 0.75 kW 0.75 kW 50 Hz 3 x 220-240D/380-415Y V 3.30/1.90 A 580-620 % 0.81-0.71 2840-2870 rpm
Pipe connection: Flange size for motor: Connect code: Liquid: Pumped liquid: Liquid temperature range: Selected liquid temperature: Density: Electrical data: Motor type: IE Efficiency class: Rated power - P2: Power (P2) required by pump: Power (P2) required by pump: Mains frequency: Rated voltage: Rated current: Starting current: Cos phi - power factor: Rated speed: Efficiency:	42,4 mm FT100 P  Water -20 120 °C 20 °C 998.2 kg/m³  80A IE3 0.75 kW 0.75 kW 0.75 kW 50 Hz 3 x 220-240D/380-415Y V 3.30/1.90 A 580-620 % 0.81-0.71 2840-2870 rpm IE3 80,7%
Pipe connection: Flange size for motor: Connect code: Liquid: Pumped liquid: Liquid temperature range: Selected liquid temperature: Density: Electrical data: Motor type: IE Efficiency class: Rated power - P2: Power (P2) required by pump: Power (P2) required by pump: Mains frequency: Rated voltage: Rated current: Starting current: Cos phi - power factor: Rated speed: Efficiency: Motor efficiency at full load:	42,4 mm FT100 P  Water -20 120 °C 20 °C 998.2 kg/m³  80A IE3 0.75 kW 0.75 kW 0.75 kW 50 Hz 3 x 220-240D/380-415Y V 3.30/1.90 A 580-620 % 0.81-0.71 2840-2870 rpm IE3 80,7% 80.7 %
Pipe connection: Flange size for motor: Connect code: Liquid: Pumped liquid: Liquid temperature range: Selected liquid temperature: Density: Electrical data: Motor type: IE Efficiency class: Rated power - P2: Power (P2) required by pump: Power (P2) required by pump: Mains frequency: Rated voltage: Rated current: Starting current: Cos phi - power factor: Rated speed: Efficiency: Motor efficiency at full load: Motor efficiency at 3/4 load:	42,4 mm FT100 P  Water -20 120 °C 20 °C 998.2 kg/m³  80A IE3 0.75 kW 0.75 kW 0.75 kW 50 Hz 3 x 220-240D/380-415Y V 3.30/1.90 A 580-620 % 0.81-0.71 2840-2870 rpm IE3 80,7% 80.7 % 82.7 %
Pipe connection: Flange size for motor: Connect code: Liquid: Pumped liquid: Liquid temperature range: Selected liquid temperature: Density: Electrical data: Motor type: IE Efficiency class: Rated power - P2: Power (P2) required by pump: Power (P2) required by pump: Mains frequency: Rated voltage: Rated current: Starting current: Cos phi - power factor: Rated speed: Efficiency: Motor efficiency at full load:	42,4 mm FT100 P  Water -20 120 °C 20 °C 998.2 kg/m³  80A IE3 0.75 kW 0.75 kW 0.75 kW 50 Hz 3 x 220-240D/380-415Y V 3.30/1.90 A 580-620 % 0.81-0.71 2840-2870 rpm IE3 80,7% 80.7 %









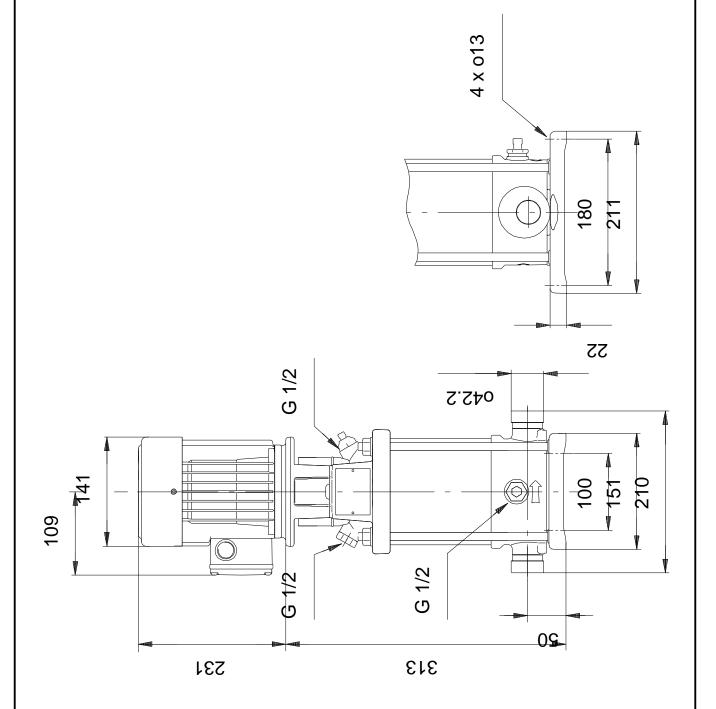
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Description	Value
Enclosure class (IEC 34-5):	55 Dust/Jetting
Insulation class (IEC 85):	F
Motor protec:	NONE
Motor No:	85U05104
Others:	
Minimum efficiency index, MEI ≥:	0.7
Net weight:	18.8 kg
Gross weight:	23.8 kg



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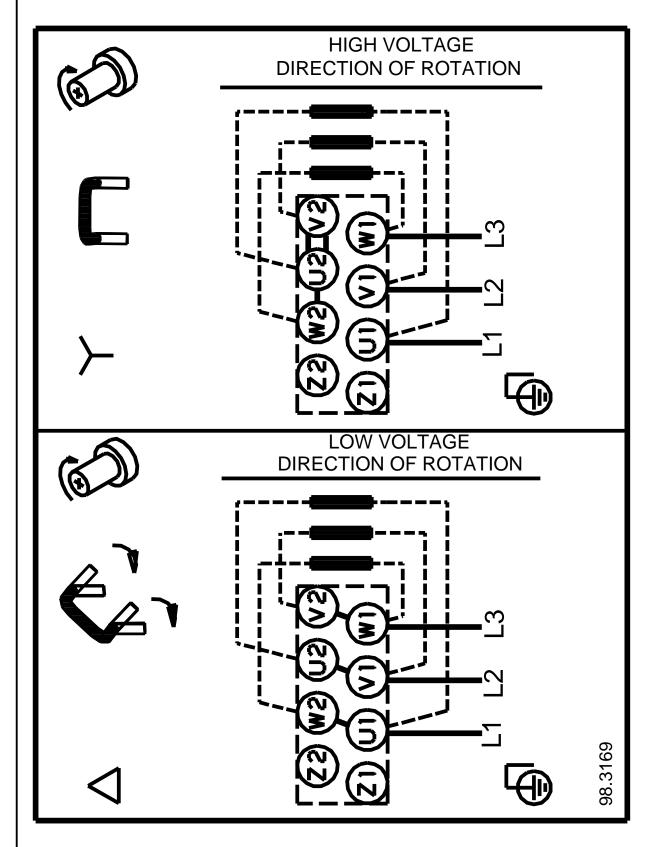
Note! All units are in [mm] unless others are stated. Disclaimer: This simplified dimensional drawing does not show all details.



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## 96100797 CRT 4-4 A-P-A-E-AUUE 50 Hz



Note! All units are in [mm] unless others are stated.