
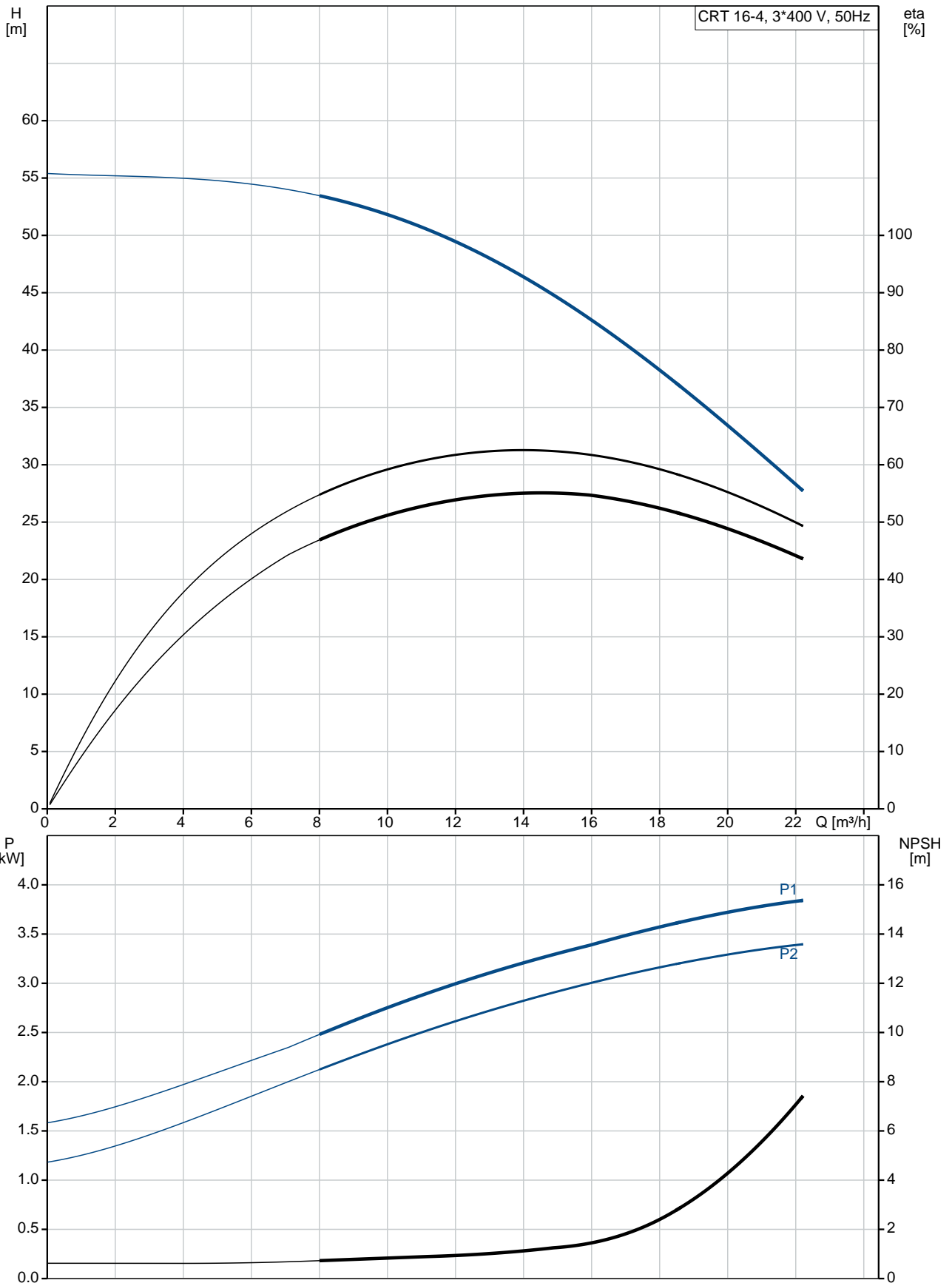


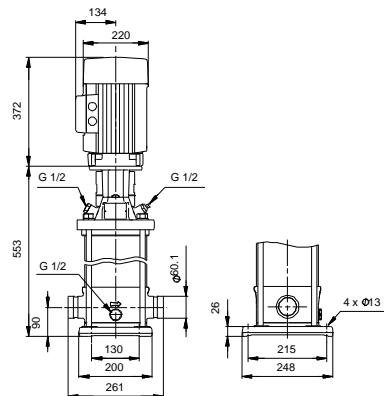
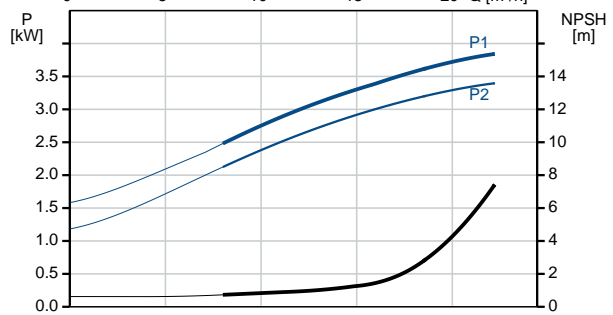
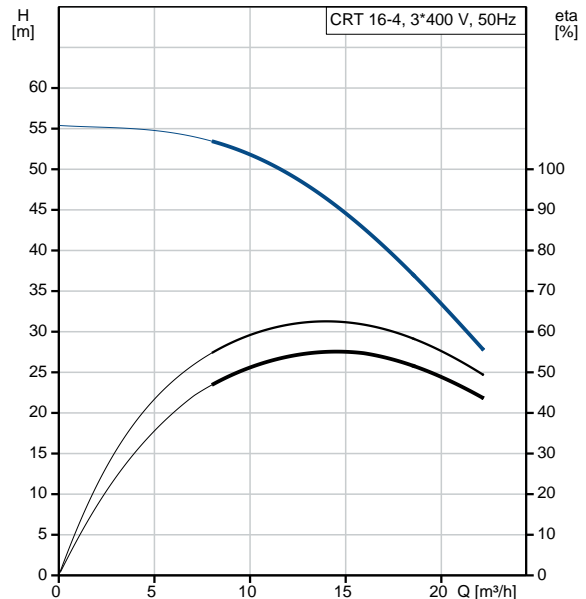
Qty.	Description
1	<p data-bbox="199 340 486 362"><b>CRT 16-4 A-P-A-E-AUUE</b></p>  <p data-bbox="199 660 470 683">Product No.: <a href="#">96117246</a></p> <p data-bbox="199 689 726 772">Vertical, non-self-priming, multistage, in-line, centrifugal pump for installation in pipe systems and mounting on a foundation.</p> <p data-bbox="199 806 678 828">The pump has the following characteristics:</p> <ul data-bbox="239 840 758 862" style="list-style-type: none"> <li>- Impellers, intermediate chambers and outer</li> </ul> <p data-bbox="199 869 885 891">Impeller: sleeve are made of Titanium.</p> <p data-bbox="199 898 1125 920">Pump housing: - Pump head cover and base are made of Titanium.</p> <ul data-bbox="239 929 670 952" style="list-style-type: none"> <li>- The shaft seal has assembly length</li> </ul> <p data-bbox="199 958 462 981">according to EN 12756.</p> <ul data-bbox="239 990 710 1041" style="list-style-type: none"> <li>- Power transmission is via cast iron split coupling.</li> </ul> <p data-bbox="199 1048 925 1102">Flange standard: - Pipework connection is via PJE flanges/couplings.</p> <p data-bbox="199 1137 933 1160">Phase: The motor is a 3-phase AC motor.</p> <p data-bbox="199 1198 279 1220">Liquid:</p> <p data-bbox="199 1227 630 1249">Pumped liquid: Water</p> <p data-bbox="199 1256 702 1279">Liquid temperature range: -20 .. 120 °C</p> <p data-bbox="199 1285 630 1308">Selected liquid temperature: 20 °C</p> <p data-bbox="199 1314 694 1337">Density: 998.2 kg/m<sup>3</sup></p> <p data-bbox="199 1373 319 1395">Technical:</p> <p data-bbox="199 1402 821 1424">Pump speed on which pump data are based: 2900 rpm</p> <p data-bbox="199 1431 646 1453">Rated flow: 16 m<sup>3</sup>/h</p> <p data-bbox="199 1460 638 1482">Rated head: 43.5 m</p> <p data-bbox="199 1489 630 1512">Primary shaft seal: AUUE</p> <p data-bbox="199 1518 638 1541">Approvals on nameplate: CE,TR</p> <p data-bbox="199 1547 758 1570">Curve tolerance: ISO9906:2012 3B</p> <p data-bbox="199 1606 311 1628">Materials:</p> <p data-bbox="199 1635 702 1688">Pump housing: Titanium ASTM B 265</p> <p data-bbox="199 1695 702 1749">Impeller: Titanium ASTM B 265</p> <p data-bbox="199 1756 630 1778">Bush material: NONE</p> <p data-bbox="199 1814 327 1836">Installation:</p> <p data-bbox="199 1843 630 1865">Maximum ambient temperature: 60 °C</p> <p data-bbox="199 1872 726 1926">Max pressure at stated temp: 25 bar / 120 °C 25 bar / -20 °C</p> <p data-bbox="199 1933 614 1955">Flange standard: PJE</p> <p data-bbox="199 1962 662 1984">Pipe connection: 60,3 mm</p> <p data-bbox="199 1991 630 2013">Flange size for motor: FT130</p> <p data-bbox="199 2049 367 2072">Electrical data:</p>

Qty.	Description
	<p>Motor type: 112MC</p> <p>IE Efficiency class: IE3</p> <p>Rated power - P2: 4 kW</p> <p>Power (P2) required by pump: 4 kW</p> <p>Mains frequency: 50 Hz</p> <p>Rated voltage: 3 x 380-415D V</p> <p>Rated current: 7.9 A</p> <p>Starting current: 1000-1110 %</p> <p>Cos phi - power factor: 0.87-0.87</p> <p>Rated speed: 2920-2940 rpm</p> <p>Efficiency: IE3 88,1%</p> <p>Motor efficiency at full load: 88.1 %</p> <p>Motor efficiency at 3/4 load: 88.6 %</p> <p>Motor efficiency at 1/2 load: 85.2 %</p> <p>Number of poles: 2</p> <p>Enclosure class (IEC 34-5): 55 Dust/Jetting</p> <p>Insulation class (IEC 85): F</p> <p>Motor No: 85U15413</p> <p>Others:</p> <p>Minimum efficiency index, MEI <math>\hat{\eta}_{\%}</math>: 0.69</p> <p>Net weight: 67 kg</p> <p>Gross weight: 77 kg</p>

## 96117246 CRT 16-4 A-P-A-E-AUUE 50 Hz



Description	Value
<b>General information:</b>	
Product name:	CRT 16-4 A-P-A-E-AUUE
Product No:	96117246
EAN number:	5700396596075
Price:	
<b>Technical:</b>	
Pump speed on which pump data are based:	2900 rpm
Rated flow:	16 m <sup>3</sup> /h
Rated head:	43.5 m
Maximum head:	57.6 m
Head max:	57.6 m
Stages:	5
Impellers:	4
Primary shaft seal:	AUUE
Approvals on nameplate:	CE,TR
Curve tolerance:	ISO9906:2012 3B
Pump version:	A
Model:	A
<b>Materials:</b>	
Pump housing:	Titanium
Pump housing:	ASTM B 265
Impeller:	Titanium
Impeller:	ASTM B 265
Material code:	A
Code for rubber:	E
Bush material:	NONE
<b>Installation:</b>	
Maximum ambient temperature:	60 °C
Max pressure at stated temp:	25 bar / 120 °C
Max pressure at stated temp:	25 bar / -20 °C
Flange standard:	PJE
Pipe connection:	60,3 mm
Flange size for motor:	FT130
Connect code:	P
<b>Liquid:</b>	
Pumped liquid:	Water
Liquid temperature range:	-20 .. 120 °C
Selected liquid temperature:	20 °C
Density:	998.2 kg/m <sup>3</sup>
<b>Electrical data:</b>	
Motor type:	112MC
IE Efficiency class:	IE3
Rated power - P2:	4 kW
Power (P2) required by pump:	4 kW
Power (P2) required by pump:	4 kW
Mains frequency:	50 Hz
Rated voltage:	3 x 380-415D V
Rated current:	7.9 A
Starting current:	1000-1110 %
Cos phi - power factor:	0.87-0.87
Rated speed:	2920-2940 rpm
Efficiency:	IE3 88,1%
Motor efficiency at full load:	88.1 %
Motor efficiency at 3/4 load:	88.6 %
Motor efficiency at 1/2 load:	85.2 %
Number of poles:	2
Enclosure class (IEC 34-5):	55 Dust/Jetting





Company name:

Created by:

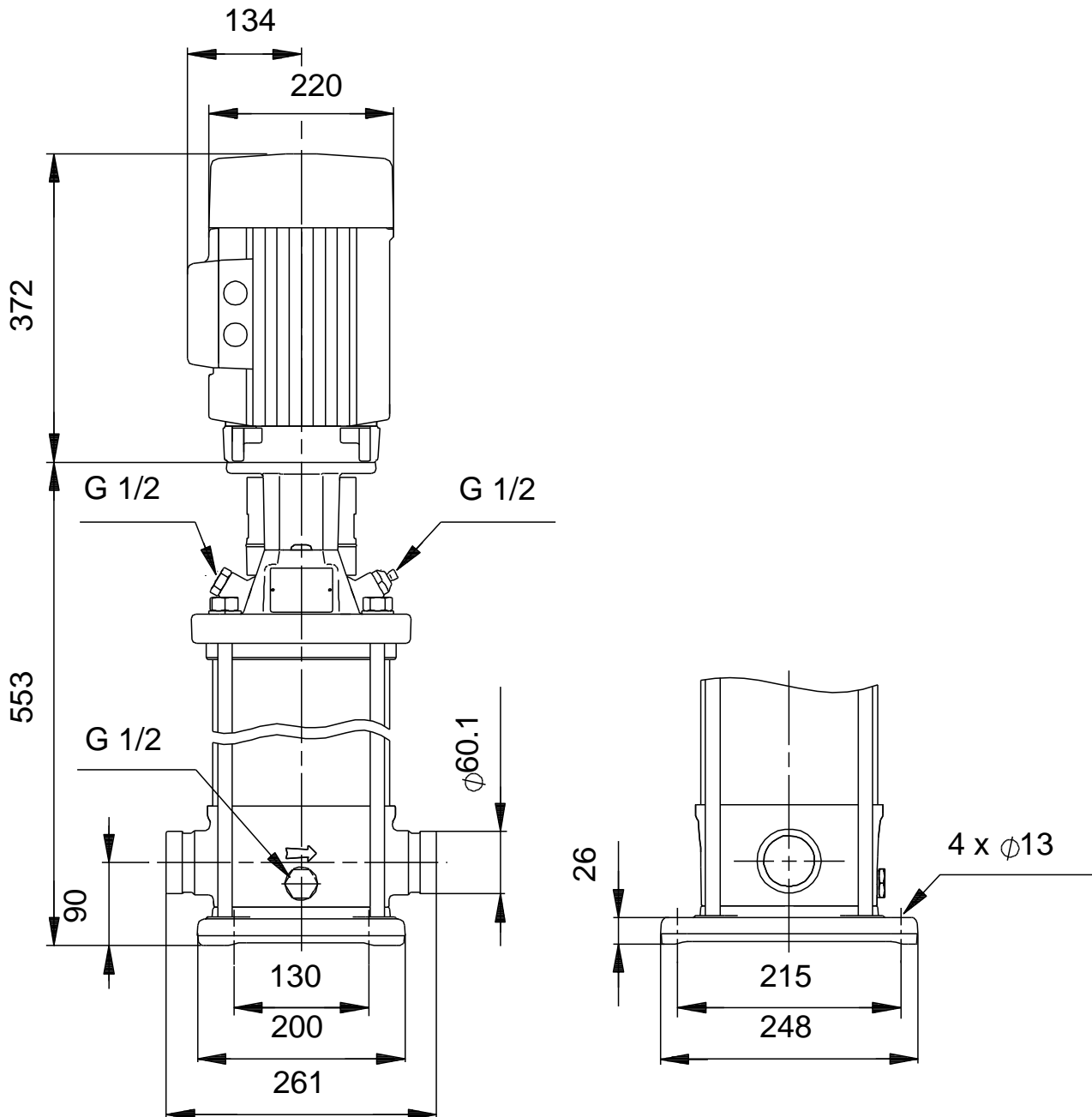
Phone:

Date:

19/01/2021

Description	Value
Insulation class (IEC 85):	F
Motor protec:	PTC
Motor No:	85U15413
<b>Others:</b>	
Minimum efficiency index, MEI %:	0.69
Net weight:	67 kg
Gross weight:	77 kg

## 96117246 CRT 16-4 A-P-A-E-AUUE 50 Hz



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

## 96117246 CRT 16-4 A-P-A-E-AUUE 50 Hz



IEC TP211 THERMALLY PROTECTED WHEN THE THERMISTORS ARE  
CONNECTED TO AMPLIFIER RELAY FOR CONTROL OF MAIN SUPPLY  
THERMISTORS PTC ACCORDING TO DIN 44082

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