

**Date:** 07/03/2019

## Qty. | Description

1 | CRN 1-21 A-P-A-E-HQQE



Product No.: 96533162

Vertical, multistage centrifugal pump with inlet and outlet ports on same the level (inline). Pump materials in contact with the liquid are in high-grade stainless steel. A cartridge shaft seal ensures high reliability, safe handling, and easy access and service. Power transmission is via a rigid split coupling. Pipe connection is via PJE (Victaulic®) couplings.

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

Controls:

Frequency converter: NONE

Liquid:

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

Technical:

Pump speed on which pump data are based: 2789 rpm

Rated flow:

Rated head:

Pump orientation:

Shaft seal arrangement:

Code for shaft seal:

Approvals on nameplate:

1.8 m³/h

92.5 m

Vertical

Single

HQQE

CE, EAC

Approvals on nameplate: CE, EAC,ACS Curve tolerance: ISO9906:2012 3B

Materials:

Base: Stainless steel

EN 1.4408 AISI 316

Impeller: Stainless steel

EN 1.4401 AISI 316

Bearing: SIC

Installation:

Maximum ambient temperature: 40 °C Maximum operating pressure: 25 bar

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

25 bar / -20 °C

Type of connection: PJE Size of inlet connection: DN 32

1 1/4 inch

Size of outlet connection: DN 32

1 1/4 inch

Pressure rating for pipe connection: PN 50 Flange size for motor: FT115



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## Qty. | Description

Electrical data:

Motor standard: IEC
Motor type: 90SB
Rated power - P2: 1.1 kW
Power (P2) required by pump: 1.1 kW
Mains frequency: 50 Hz

Rated voltage: 1 x 220-230/240 V
Rated current: 7.40/6.70 A
Starting current: 390 %
Cos phi - power factor: 0.98/0.99
Rated speed: 2770 rpm
Motor efficiency at full load: 73-71 %

Number of poles: 2

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

Insulation class (IEC 85): F

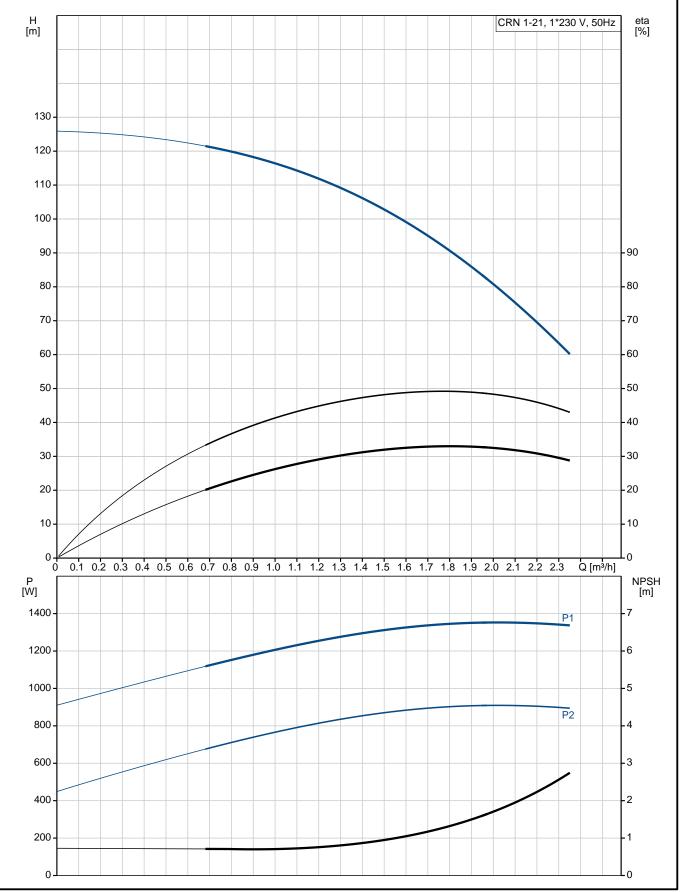
#### Others:

Minimum efficiency index, MEI ≥: 0.70
Net weight: 36.4 kg
Gross weight: 40.4 kg
Shipping volume: 0.092 m³
Country of origin: GB
Custom tariff no.: 84137075



**Date:** 07/03/2019

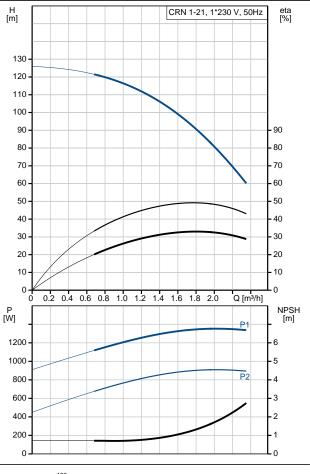
## 96533162 CRN 1-21 A-P-A-E-HQQE 50 Hz

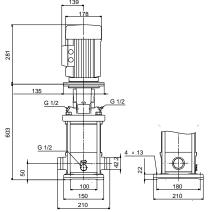


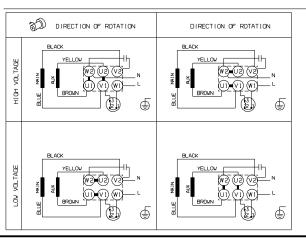


**Date:** 07/03/2019

Ceneral Information:	Description	Value
Product name:		1 4140
EAN number: 5700397430279 Price: 1.492,00 GBP  Technical: Pump speed on which pump data are based: 1.8 m³/h Rated flow: 1.8 m³/h Rated head: 92.5 m Head max: 127.3 m Stages: 21 Impellers: 21 Number of reduced-diameter impellers: 0 Low NPSH: N Pump orientation: Vertical Shaft seal arrangement: Single Code for shaft seal: HQQE Approvals on nameplate: CE, EAC,ACS Curve tolerance: ISO9906:2012 3B Pump version: A Model: A Materials: Base: Stainless steel EN 1.4408 AISI 316 Impeller: Stainless steel EN 1.4401 AISI 316 Material code: A Material code: A Material code: A Maximum ambient temperature: 40 °C Maximum ambient temperature: 25 bar Max pressure at stated temp: 25 bar / 120 °C Type of connection: DN 32 AI/4 inch Size of outlet connection: DN 32 In 1/4 inch Pressure rating for pipe connection: PN 50 Flange size for motor: FT115 Connect code: P Pumped liquid: Water Liquid temperature during operation: 20 °C Density: 998.2 kg/m³ Electrical data: Motor standard: IEC Motor type: 90SB Rated voltage: 1 x x 220-230/240 V		
Price:         1.492,00 GBP           Technical:         2789 rpm           Pump speed on which pump data are based:         2789 rpm           Rated flow:         1.8 m³/h           Rated head:         92.5 m           Head max:         127.3 m           Stages:         21           Impellers:         0           Number of reduced-diameter impellers:         0           Low NPSH:         N           Pump orientation:         Vertical           Shaft seal arrangement:         Single           Code for shaft seal:         HQQE           Approvals on nameplate:         CE, EAC,ACS           Curve tolerance:         ISO9906:2012 3B           Pump version:         A           Model:         A           Materials:         Base:           Base:         Stainless steel           EN 1.4408         AISI 316           Impeller:         Stainless steel           EN 1.4401         AISI 316           Material code:         A           Code for rubber:         E           Bearing:         SIC           Installation:         Maximum ambient temperature:         40 °C           Maximum ambient temperatu	Product No:	96533162
Technical:  Pump speed on which pump data are based:  Rated flow: Rated flow: Rated head:  Head max:  Stages:  Impellers:  Low NPSH:  N Pump orientation:  Naft seal arrangement:  Code for shaft seal:  HOQE  Approvals on nameplate:  Curve tolerance:  Base:  Stainless steel  EN 1.4408  AISI 316  Impeller:  Stainless steel  EN 1.4401  AISI 316  Impeller:  Baser:  Stainless steel  EN 1.4401  AISI 316  Impeller:  Stainless steel  EN 1.401  AISI 316  Impeller:  Stainless steel  EN 1.402  AISI 316  Impeller:  Stainless steel  EN 1.402  AISI 316	EAN number:	5700397430279
Pump speed on which pump data are based:         2789 rpm           Rated flow:         1.8 m³/h           Rated head:         92.5 m           Head max:         127.3 m           Stages:         21           Impellers:         21           Number of reduced-diameter impellers:         0           Low NPSH:         N           Pump orientation:         Vertical           Shaft seal arrangement:         Single           Code for shaft seal:         HQQE           Approvals on nameplate:         CE, EAC,ACS           Curve tolerance:         ISO9906:2012 3B           Pump version:         A           Model:         A           Pump version:         A           Model:         A           Waterials:         Stainless steel           EN 1.4408         AISI 316           Impeller:         Stainless steel           EN 1.4401         AISI 316           Impeller:         Stainless steel           EN 1.4401         AISI 316           Material code:         A           Code for rubber:         E           Bearing:         SIC           Installation:         Maximum ambient temperature: <td>Price:</td> <td>1.492,00 GBP</td>	Price:	1.492,00 GBP
based:         2769 rpm           Rated flow:         1.8 m³/h           Rated head:         92.5 m           Head max:         127.3 m           Stages:         21           Impellers:         21           Number of reduced-diameter impellers:         0           Low NPSH:         N           Pump orientation:         Vertical           Shaft seal arrangement:         Single           Code for shaft seal:         HQQE           Approvals on nameplate:         CE, EAC,ACS           Curve tolerance:         ISO9906:2012 3B           Pump version:         A           Model:         A           Materials:         Stainless steel           Base:         Stainless steel           EN 1.4408         AlSI 316           Impeller:         Stainless steel           EN 1.4401         AlSI 316           Material code:         A           Code for rubber:         E           Bearing:         SIC           Installation:         W           Maximum ambient temperature:         40 °C           Maximum apperating pressure:         25 bar           Max pressure at stated temp:         25 bar / -20 °C	Technical:	
Rated head:         92.5 m           Head max:         127.3 m           Stages:         21           Impellers:         21           Number of reduced-diameter impellers:         0           Low NPSH:         N           Pump orientation:         Vertical           Shaft seal arrangement:         Single           Code for shaft seal:         HQQE           Approvals on nameplate:         CE, EAC,ACS           Curve tolerance:         ISO9906:2012 3B           Pump version:         A           Model:         A           Pump version:         A           Model:         A           Pump version:         A           Mdeterials:         Stainless steel           EN 1.4408         AISI 316           Impeller:         Stainless steel           EN 1.4408         AISI 316           Material code:         A           Code for rubber:         E           Bearing:         SIC           Installation:         Image: Sic of C           Maximum ambient temperature:         40 °C           Maximum apperating pressure:         25 bar / 120 °C           Type of connection:         PUE      <	Pump speed on which pump data are based:	2789 rpm
Head max:	Rated flow:	1.8 m³/h
Stages:   21     Impellers:   21     Number of reduced-diameter impellers:   0     Low NPSH:   N     Pump orientation:   Vertical     Shaft seal arrangement:   Single     Code for shaft seal:   HQQE     Approvals on nameplate:   CE, EAC,ACS     Curve tolerance:   ISO9906:2012 3B     Pump version:   A     Model:   A     Materials:     Base:   Stainless steel     EN 1.4408     AISI 316     Impeller:   Stainless steel     EN 1.4401     AISI 316     Material code:   A     Code for rubber:   E     Bearing:   SIC     Installation:     Maximum ambient temperature:   40 °C     Maximum operating pressure:   25 bar     Max pressure at stated temp:   25 bar / 120 °C     Type of connection:   DN 32     Type of connection:   DN 32     To ye of connection:   DN 32     To ye of connection:   DN 32     To ye of connection:   P     Size of outlet connection:   DN 32     To ye of connection:   PN 50     Flange size for motor:   FT115     Connect code:   P     Liquid temperature range:   -20 120 °C     Liquid temperature range:   -20 120 °C     Liquid temperature during operation:   20 °C     Density:   998.2 kg/m³     Electrical data:     Motor standard:   IEC     Motor type:   90SB     Rated power - P2:   1.1 kW     Mains frequency:   50 Hz     Rated voltage:   1 x 220-230/240 V	Rated head:	92.5 m
Impellers:	Head max:	127.3 m
Number of reduced-diameter impellers:         0           Low NPSH:         N           Pump orientation:         Vertical           Shaft seal arrangement:         Single           Code for shaft seal:         HQQE           Approvals on nameplate:         CE, EAC,ACS           Curve tolerance:         ISO9906:2012 3B           Pump version:         A           Model:         A           Materials:         Stainless steel           Base:         Stainless steel           EN 1.4408         AISI 316           Impeller:         Stainless steel           EN 1.4401         AISI 316           Material code:         A           Code for rubber:         E           Bearing:         SIC           Installation:         SIC           Maximum ambient temperature:         40 °C           Maximum operating pressure:         25 bar           Max pressure at stated temp:         25 bar / 120 °C           Type of connection:         PJE           Size of inlet connection:         DN 32           1 1/4 inch         DN 32           1 1/4 inch         Pressure rating for pipe connection:         PN 50           Flange size for motor:	Stages:	21
Low NPSH: N   Pump orientation: Vertical   Shaft seal arrangement: Single   Code for shaft seal: HQQE   Approvals on nameplate: CE, EAC, ACS   Curve tolerance: ISO9906:2012 3B   Pump version: A   Model: A   Materials:   Base: Stainless steel   EN 1.4408   AISI 316   Impeller: Stainless steel   EN 1.4401   Impeller: Stainless steel   EN 1.4401   Impeller: Stainless steel   Impeller: Stain	Impellers:	21
Pump orientation: Vertical Shaft seal arrangement: Single Code for shaft seal: HQQE Approvals on nameplate: CE, EAC, ACS Curve tolerance: ISO9906:2012 3B Pump version: A Model: A  Materials: Base: Stainless steel EN 1.4408 AISI 316 Impeller: Stainless steel EN 1.4401 AISI 316  Material code: A  Code for rubber: E Bearing: SIC  Installation: Maximum ambient temperature: 40 °C Maximum operating pressure: 25 bar Max pressure at stated temp: 25 bar / 120 °C Type of connection: DN 32 T1 1/4 inch Size of outlet connection: DN 32 T1 1/4 inch Pressure rating for pipe connection: PN 50 Flange size for motor: FT115 Connect code: P Liquid: Pumped liquid: Water Liquid temperature range: -20 120 °C Liquid temperature range: -20 120 °C Liquid temperature during operation: 20 °C Density: 998.2 kg/m³  Electrical data: Motor standard: IEC Motor type: 90SB Rated power - P2: 1.1 kW Mains frequency: 50 Hz Rated voltage: 1 x 220-230/240 V	Number of reduced-diameter impellers:	0
Shaft seal arrangement:  Code for shaft seal:  Approvals on nameplate:  Curve tolerance:  ISO9906:2012 3B  Pump version:  A  Model:  A  Materials:  Base:  Stainless steel  EN 1.4408  AISI 316  Impeller:  Stainless steel  EN 1.4401  AISI 316  Material code:  Code for rubber:  Bearing:  SIC  Installation:  Maximum ambient temperature:  Maximum operating pressure:  Appendix for inlet connection:  Type of connection:  Size of inlet connection:  PJE  Size of outlet connection:  Pressure rating for pipe connection:  Pressure rating for pipe connection:  PN 50  Flange size for motor:  FT115  Connect code:  Liquid:  Pumped liquid:  Water  Liquid temperature during operation:  Do Size of consection:  Possign of consection:  Possign of connection:  PN 50  Flange size for motor:  FT115  Connect code:  Liquid:  Pumped liquid:  Water  Liquid temperature range:  Liquid temperature during operation:  Do Size of Consection:  Do Size of Consection:  Possign of Consecti	Low NPSH:	N
Code for shaft seal: Approvals on nameplate: CE, EAC,ACS Curve tolerance: ISO9906:2012 3B Pump version: A Model: A Materials: Base: Stainless steel EN 1.4408 AISI 316 Impeller: Stainless steel EN 1.4401 AISI 316  Material code: A Code for rubber: Bearing: SIC Installation: Maximum ambient temperature: Maximum operating pressure: Max pressure at stated temp: Size of inlet connection: DN 32 Type of connection: DN 32 Size of outlet connection: Pressure rating for pipe connection: PN 50 Flange size for motor: FT115 Connect code: Pumped liquid: Water Liquid temperature range: Liquid temperature range: Liquid temperature range: Liquid temperature range: Liquid temperature during operation: DN 32 Electrical data: Motor standard: Motor standard: Motor type: Rated power - P2: Rated voltage:  Rated voltage:  Rated voltage:  Rated voltage:  Rated voltage:  Rated voltage:  Li x 220-230/240 V	Pump orientation:	Vertical
Code for shaft seal: Approvals on nameplate: CE, EAC,ACS Curve tolerance: ISO9906:2012 3B Pump version: A Model: A Materials: Base: Stainless steel EN 1.4408 AISI 316 Impeller: Stainless steel EN 1.4401 AISI 316  Material code: Code for rubber: Bearing: SIC Installation: Maximum ambient temperature: Maximum operating pressure: Size of inlet connection: DN 32 Type of connection: DN 32 Size of outlet connection: Pressure rating for pipe connection: PN 50 Flange size for motor: FT115 Connect code: Pumped liquid: Water Liquid temperature during operation: Density: Power (P2) required by pump: Int kW Mains frequency: Size of lize voltage: CE, EAC,ACS SixO9906:2012 3B PA A A COB. A A A A A A A A A A A A A A C C Bainless steel EN 1.4401 AISI 316 A A C C C C C EN 25 bar / 20 °C C Density: DN 32	Shaft seal arrangement:	Single
Approvals on nameplate: CE, EAC,ACS Curve tolerance: ISO9906:2012 3B Pump version: A Model: A Materials: Base: Stainless steel EN 1.4408 AISI 316 Impeller: Stainless steel EN 1.4401 AISI 316 Impeller: Stainless steel EN 1.4401 AISI 316 Material code: A Code for rubber: E Bearing: SIC Installation: Maximum ambient temperature: 40 °C Maximum operating pressure: 25 bar Max pressure at stated temp: 25 bar / 120 °C Type of connection: PJE Size of inlet connection: DN 32 1 1/4 inch Size of outlet connection: DN 32 1 1/4 inch Pressure rating for pipe connection: PN 50 Flange size for motor: FT115 Connect code: P Liquid: Pumped liquid: Water Liquid temperature auring operation: 20 °C Density: 998.2 kg/m³ Electrical data: Motor standard: IEC Motor type: 90SB Rated power - P2: 1.1 kW Power (P2) required by pump: 1.1 kW Mains frequency: 50 Hz Rated voltage: 1 x 220-230/240 V	Code for shaft seal:	
Curve tolerance:         ISO9906:2012 3B           Pump version:         A           Model:         A           Materials:         Stainless steel           EN 1.4408         AISI 316           Impeller:         Stainless steel           EN 1.4401         AISI 316           Material code:         A           Code for rubber:         E           Bearing:         SIC           Installation:         SIC           Maximum ambient temperature:         40 °C           Maximum operating pressure:         25 bar           Max pressure at stated temp:         25 bar / 120 °C           Type of connection:         PJE           Size of inlet connection:         DN 32           1 1/4 inch         Size of outlet connection:           Size of outlet connection:         DN 32           1 1/4 inch         Pressure rating for pipe connection:         PN 50           Flange size for motor:         FT115           Connect code:         P           Liquid:         Water           Liquid temperature ange:         -20 120 °C           Liquid temperature during operation:         20 °C           Density:         998.2 kg/m³           Electri		CE, EAC,ACS
Pump version:         A           Model:         A           Materials:         Stainless steel           Base:         EN 1.4408           AISI 316         Impeller:           Stainless steel         EN 1.4401           AISI 316         A           Material code:         A           Code for rubber:         E           Bearing:         SIC           Installation:         SIC           Maximum ambient temperature:         40 °C           Maximum operating pressure:         25 bar           Max pressure at stated temp:         25 bar / 120 °C           Type of connection:         PJE           Size of inlet connection:         DN 32           1 1/4 inch           Pressure rating for pipe connection:         PN 50           Flange size for motor:         FT115           Connect code:         P           Liquid:         Water           Liquid temperature range:         -20 120 °C           Liquid temperature during operation:         20 °C           Density:         998.2 kg/m³           Electrical data:         IEC           Motor type:         90SB           Rated power - P2:         1.1 kW <td>•</td> <td></td>	•	
Model:  Materials: Base:  Stainless steel EN 1.4408 AISI 316 Impeller: Stainless steel EN 1.4401 AISI 316  Impeller: EN 1.4401 AISI 316  Material code: A Code for rubber: EBearing: SIC Installation:  Maximum ambient temperature: Maximum operating pressure: 25 bar Max pressure at stated temp: 25 bar / 120 °C 25 bar / -20 °C  Type of connection: DN 32 Type of connection: DN 32 Size of inlet connection: DN 32 1 1/4 inch Size of outlet connection: PN 50 Flange size for motor: FT115 Connect code: P Liquid: Pumped liquid: Water Liquid temperature range: Liquid temperature during operation: Density: 998.2 kg/m³  Electrical data: Motor standard: IEC Motor type: 90SB Rated power - P2: 1.1 kW Power (P2) required by pump: 1.1 kW Mains frequency: 50 Hz Rated voltage: 1 x 220-230/240 V		A
Base:  Stainless steel  EN 1.4408  AISI 316  Impeller:  Stainless steel  EN 1.4401  AISI 316  Material code:  Code for rubber:  Bearing:  SIC  Installation:  Maximum ambient temperature:  Maximum operating pressure:  Max pressure at stated temp:  25 bar / 120 °C  25 bar / -20 °C  Type of connection:  DN 32  1 1/4 inch  Size of inlet connection:  DN 32  1 1/4 inch  Pressure rating for pipe connection:  PN 50  Flange size for motor:  FT115  Connect code:  Liquid:  Pumped liquid:  Liquid temperature during operation:  De Size of consity:  Bearing:  Size of connection:  DN 32  1 1/4 inch  PN 50  FIT115  Connect code:  P  Liquid:  Pumped liquid:  Liquid temperature range:  Liquid temperature during operation:  De C  Density:  Bearing:  Size of connection:  PN 50  FIT15  Connect code:  P  Liquid temperature during operation:  Di Size of connection:  Electrical data:  Motor standard:  Motor standard:  Motor standard:  IEC  Motor type:  90SB  Rated power - P2:  1.1 kW  Power (P2) required by pump:  1.1 kW  Mains frequency:  50 Hz  Rated voltage:  1 x 220-230/240 V	•	A
EN 1.4408 AISI 316 Impeller: Stainless steel EN 1.4401 AISI 316  Material code: A Code for rubber: E Bearing: SIC Installation:  Maximum ambient temperature: 40 °C Maximum operating pressure: 25 bar Max pressure at stated temp: 25 bar / 120 °C 25 bar / -20 °C  Type of connection: PJE Size of inlet connection: DN 32 1 1/4 inch Size of outlet connection: DN 32 1 1/4 inch Pressure rating for pipe connection: PN 50 Flange size for motor: FT115 Connect code: P Liquid: Pumped liquid: Water Liquid temperature range: -20 120 °C Liquid temperature during operation: 20 °C Density: 998.2 kg/m³ Electrical data: Motor standard: IEC Motor type: 90SB Rated power - P2: 1.1 kW Power (P2) required by pump: 1.1 kW Mains frequency: 50 Hz Rated voltage: 1 x 220-230/240 V	Materials:	
AISI 316 Impeller: Stainless steel EN 1.4401 AISI 316  Material code: A Code for rubber: E Bearing: SIC Installation:  Maximum ambient temperature: 40 °C Maximum operating pressure: 25 bar Max pressure at stated temp: 25 bar / 120 °C 25 bar / -20 °C  Type of connection: PJE Size of inlet connection: DN 32 1 1/4 inch Size of outlet connection: DN 32 1 1/4 inch Pressure rating for pipe connection: PN 50 Flange size for motor: FT115 Connect code: P Liquid: Pumped liquid: Water Liquid temperature range: -20 120 °C Liquid temperature during operation: 20 °C Density: 998.2 kg/m³  Electrical data: Motor standard: IEC Motor type: 90SB Rated power - P2: 1.1 kW Power (P2) required by pump: 1.1 kW Mains frequency: 50 Hz Rated voltage: 1 x 220-230/240 V	Base:	Stainless steel
AISI 316 Impeller: Stainless steel EN 1.4401 AISI 316  Material code: A Code for rubber: E Bearing: SIC Installation:  Maximum ambient temperature: 40 °C Maximum operating pressure: 25 bar Max pressure at stated temp: 25 bar / 120 °C 25 bar / -20 °C  Type of connection: PJE Size of inlet connection: DN 32 1 1/4 inch Size of outlet connection: DN 32 1 1/4 inch Pressure rating for pipe connection: PN 50 Flange size for motor: FT115 Connect code: P Liquid: Pumped liquid: Water Liquid temperature range: -20 120 °C Liquid temperature during operation: 20 °C Density: 998.2 kg/m³  Electrical data: Motor standard: IEC Motor type: 90SB Rated power - P2: 1.1 kW Power (P2) required by pump: 1.1 kW Mains frequency: 50 Hz Rated voltage: 1 x 220-230/240 V		
Impeller:  Stainless steel  EN 1.4401  AISI 316  Material code:  Code for rubber:  Bearing:  Installation:  Maximum ambient temperature:  Maximum operating pressure:  Max pressure at stated temp:  Size of connection:  Size of inlet connection:  PJE  Size of outlet connection:  DN 32  1 1/4 inch  Size of outlet connection:  PN 50  Flange size for motor:  Connect code:  Pumped liquid:  Liquid temperature range:  Liquid temperature during operation:  Double connection:  Double connection:  Poessure rating for pipe connection:  FIT115  Connect code:  Pumped liquid:  Liquid temperature range:  Liquid temperature during operation:  Double connection:  Double connection:  Poessure rating for pipe connection:  FIT105  Connect code:  Pelectrical data:  Motor standard:  Motor standard:  IEC  Motor type:  90SB  Rated power - P2:  1.1 kW  Mains frequency:  Fated voltage:  1 x 220-230/240 V		
EN 1.4401 AISI 316  Material code: Code for rubber: Bearing: Installation:  Maximum ambient temperature: Maximum operating pressure: Max pressure at stated temp: Size of connection:  Size of inlet connection: DN 32  1 1/4 inch  Size of outlet connection: DN 32  1 1/4 inch  Pressure rating for pipe connection: PN 50 Flange size for motor: FT115  Connect code: Pumped liquid: Water Liquid temperature range: Liquid temperature during operation: Double Connection: Double Connection: Poemity: Pumped liquid: Budget Pumped liquid: Connect code: Density:	Impeller:	
AISI 316  Material code: Code for rubber: Bearing: Bearing: Installation:  Maximum ambient temperature: Maximum operating pressure: Max pressure at stated temp: 25 bar / 120 °C 25 bar / -20 °C  Type of connection: DN 32  Type of connection: DN 32  1 1/4 inch  Size of outlet connection: DN 32  1 1/4 inch  Pressure rating for pipe connection: PN 50  Flange size for motor: FT115  Connect code: Pumped liquid: Water  Liquid: Pumped liquid: Water  Liquid temperature range: -20 120 °C  Density: 998.2 kg/m³  Electrical data: Motor standard: Motor standard: Motor type: 90SB  Rated power - P2: 1.1 kW  Power (P2) required by pump: 1.1 kW  Mains frequency: S0 Hz  Rated voltage: 1 x 220-230/240 V	mponor.	
Material code:  Code for rubber:  Bearing:  Installation:  Maximum ambient temperature:  Maximum operating pressure:  Max pressure at stated temp:  Size of connection:  Size of inlet connection:  PJE  Size of outlet connection:  DN 32  1 1/4 inch  Size of outlet connection:  PN 50  Flange size for motor:  Connect code:  Pumped liquid:  Pumped liquid:  Liquid temperature range:  Liquid temperature during operation:  Density:  Bectrical data:  Motor standard:  Motor type:  Rated power - P2:  Rated voltage:  Rated voltage:  Rated voltage:  Rated voltage:  SIC  40  C  C  C  C  C  C  SIC  A  O °C  DA  SIC  A  C  C  A  C  C  C  A  C  C  DA  SIC  A  A  C  C  C  C  A  C  C  C  C  DA  SIC  A  C  C  C  DA  SIC  A  C  C  DA  SIC  A  C  C  C  DA  SIC  C  C  DA  SIC  C  DA  SIC  SIC  SIC  SIC  SIC  SIC  SIC  SI		=::::::*:
Code for rubber:  Bearing:  Installation:  Maximum ambient temperature:  Maximum operating pressure:  Max pressure at stated temp:  Size of connection:  Size of outlet connection:  PyE  Size of outlet connection:  DN 32  1 1/4 inch  Size of outlet connection:  Pressure rating for pipe connection:  PN 50  Flange size for motor:  Connect code:  Pumped liquid:  Vater  Liquid temperature during operation:  Done tiquid temperature during operation:  Done t	Material code:	
Bearing: SIC		
Installation:  Maximum ambient temperature:  Maximum operating pressure:  Max pressure at stated temp:  25 bar / 120 °C  25 bar / -20 °C  Type of connection:  DN 32  1 1/4 inch  Size of outlet connection:  DN 32  1 1/4 inch  Size of outlet connection:  Pressure rating for pipe connection:  PN 50  Flange size for motor:  FT115  Connect code:  P  Liquid:  Pumped liquid:  Water  Liquid temperature range:  Liquid temperature during operation:  DN 20  C  Density:  998.2 kg/m³  Electrical data:  Motor standard:  Motor type:  Motor type:  Rated power - P2:  Power (P2) required by pump:  Rated voltage:  Na 20 °C  DHz  Rated voltage:  Na 220-230/240 V		_
Maximum ambient temperature:  Maximum operating pressure:  Max pressure at stated temp:  25 bar / 120 °C  25 bar / -20 °C  Type of connection:  DN 32  1 1/4 inch  Size of outlet connection:  DN 32  1 1/4 inch  Size of outlet connection:  Pressure rating for pipe connection:  PN 50  Flange size for motor:  Connect code:  Pumped liquid:  Pumped liquid:  Uiquid temperature range:  Liquid temperature during operation:  DN 32  1 1/4 inch  PN 50  FT115  Connect code:  P  Liquid:  Pumped liquid:  Uiquid temperature range:  Liquid temperature during operation:  Density:  P98.2 kg/m³  Electrical data:  Motor standard:  Motor type:  Motor type:  Power (P2) required by pump:  Nated voltage:  Nated voltage:  Nated voltage:  1 x 220-230/240 V		OIO .
Maximum operating pressure:  Max pressure at stated temp:  25 bar / 120 °C  25 bar / -20 °C  Type of connection:  DN 32  1 1/4 inch  Size of outlet connection:  DN 32  1 1/4 inch  Pressure rating for pipe connection:  PN 50  Flange size for motor:  Connect code:  Pumped liquid:  Pumped liquid:  Liquid temperature range:  Liquid temperature during operation:  DN 32  1 1/4 inch  PN 50  FT115  Connect code:  P  Liquid:  Pumped liquid:  Uater  Liquid temperature range:  Liquid temperature during operation:  Density:  P98.2 kg/m³  Electrical data:  Motor standard:  Motor type:  Motor type:  Motor type:  Power (P2) required by pump:  Nated voltage:  Nated voltage:  Lix 220-230/240 V		40 °C.
Max pressure at stated temp:  25 bar / 120 °C  25 bar / -20 °C  Type of connection:  DN 32  1 1/4 inch  Size of outlet connection:  DN 32  1 1/4 inch  Pressure rating for pipe connection:  PN 50  Flange size for motor:  Connect code:  Pumped liquid:  Uiquid temperature range:  Liquid temperature during operation:  Density:  Density:  Density:  Belectrical data:  Motor standard:  Motor type:  Rated power - P2:  Power (P2) required by pump:  Rated voltage:  1 x 220-230/240 V	·	
Type of connection:  Type of connection:  Size of inlet connection:  DN 32  1 1/4 inch  Size of outlet connection:  DN 32  1 1/4 inch  Pressure rating for pipe connection:  PN 50  Flange size for motor:  FT115  Connect code:  P  Liquid:  Pumped liquid:  Liquid temperature range:  -20 120 °C  Liquid temperature during operation:  Density:  998.2 kg/m³  Electrical data:  Motor standard:  Motor standard:  Motor type:  90SB  Rated power - P2:  Power (P2) required by pump:  1.1 kW  Mains frequency:  Rated voltage:  1 x 220-230/240 V		
Type of connection:  Size of inlet connection:  DN 32  1 1/4 inch  Size of outlet connection:  DN 32  1 1/4 inch  Pressure rating for pipe connection:  PN 50  Flange size for motor:  Connect code:  Pumped liquid:  Vater  Liquid temperature range:  Liquid temperature during operation:  Density:  Density:  Pelectrical data:  Motor standard:  Motor type:  Rated power - P2:  Power (P2) required by pump:  Rated voltage:  PJE  DN 32  1 1/4 inch  PN 50  FT115  Connect code:  P  Water  Liquid:  Po °C  Density:  998.2 kg/m³  Electrical data:  Motor standard:  IEC  Motor type:  90SB  Rated power - P2:  1.1 kW  Mains frequency:  50 Hz  Rated voltage:  1 x 220-230/240 V	wax pressure at stated temp.	
Size of inlet connection:  DN 32  1 1/4 inch  Size of outlet connection:  DN 32  1 1/4 inch  Pressure rating for pipe connection:  PN 50  Flange size for motor:  Connect code:  P  Liquid:  Pumped liquid:  Liquid temperature range:  Liquid temperature during operation:  Density:  Density:  998.2 kg/m³  Electrical data:  Motor standard:  Motor type:  Rated power - P2:  Power (P2) required by pump:  Rated voltage:  No DN 32  1 1/4 inch  Noto PN 50  PV 50  PV 50  PV 50  PV 50  PV 50  ET115  Connect code:  P  Uater  1 1/4 inch  Noto  1 20 °C  PO 988.2 kg/m³  Electrical data:  Motor standard:  Motor type:  90SB  Rated power - P2:  1.1 kW  Mains frequency:  50 Hz  Rated voltage:  1 x 220-230/240 V	Type of connection:	
Size of outlet connection:  DN 32  1 1/4 inch  Pressure rating for pipe connection: PN 50  Flange size for motor: FT115  Connect code: P  Liquid: Pumped liquid: Uquid temperature range: Liquid temperature during operation: Density: Pelectrical data: Motor standard: Motor type: Rated power - P2: Power (P2) required by pump: Rated voltage:  1 1/4 inch  Notor PN 50  FT115  Water  Liquid: Vater  E102 °C  P98.2 kg/m³  E102  E10		
Size of outlet connection:  DN 32  1 1/4 inch  Pressure rating for pipe connection:  Flange size for motor:  Connect code:  P  Liquid:  Pumped liquid:  Liquid temperature range:  Liquid temperature during operation:  Density:  Pelectrical data:  Motor standard:  Motor type:  Rated power - P2:  Power (P2) required by pump:  Rated voltage:  DN 32  1 1/4 inch  Noto  PN 50  FT115  Vater  P  P  Belectrical  Water  Liquid temperature during operation:  20 °C  Pensity:  998.2 kg/m³  Electrical data:  Motor standard:  IEC  Motor type:  90SB  Rated power - P2:  1.1 kW  Power (P2) required by pump:  1.1 kW  Mains frequency:  So Hz  Rated voltage:  Rated voltage:  1 x 220-230/240 V	SIZE OF ITHEL CONTRECTION.	
1 1/4 inch  Pressure rating for pipe connection: PN 50  Flange size for motor: FT115  Connect code: P  Liquid:  Pumped liquid: Water  Liquid temperature range: -20 120 °C  Liquid temperature during operation: 20 °C  Density: 998.2 kg/m³  Electrical data:  Motor standard: IEC  Motor type: 90SB  Rated power - P2: 1.1 kW  Power (P2) required by pump: 1.1 kW  Mains frequency: 50 Hz  Rated voltage: 1 x 220-230/240 V	Size of outlet connection:	
Pressure rating for pipe connection:  Flange size for motor:  Connect code:  P  Liquid:  Pumped liquid:  Liquid temperature range:  Liquid temperature during operation:  Density:  Pelectrical data:  Motor standard:  Motor type:  Rated power - P2:  Power (P2) required by pump:  Rated voltage:  PN 50  FT115  PO 30  FT115  FT	Size of outlet connection.	
Flange size for motor:  Connect code:  P  Liquid:  Pumped liquid:  Liquid temperature range:  Liquid temperature during operation:  Density:  Pelectrical data:  Motor standard:  Motor type:  Rated power - P2:  Power (P2) required by pump:  Rated voltage:  Rated voltage:  FT115  P  Water  Liquid temperature during operation:  20 °C  998.2 kg/m³  EleC  Motor type:  90SB  Rated yoltage:  1.1 kW  Mains frequency:  50 Hz  Rated voltage:  1 x 220-230/240 V	Proceure rating for nine connections	
Connect code:  Liquid:  Pumped liquid:  Liquid temperature range:  Liquid temperature during operation:  Density:  Pelectrical data:  Motor standard:  Motor type:  Rated power - P2:  Power (P2) required by pump:  Rated voltage:  P  Water  Water  -20 120 °C  20 °C  998.2 kg/m³  Electrical data:  Motor standard:  IEC  Motor type:  90SB  Rated power - P2:  1.1 kW  Mains frequency:  50 Hz  Rated voltage:  1 x 220-230/240 V		
Liquid: Pumped liquid: Uiquid temperature range: Uiquid temperature during operation: Density: Density		
Pumped liquid: Water Liquid temperature range: -20 120 °C Liquid temperature during operation: 20 °C Density: 998.2 kg/m³  Electrical data:  Motor standard: IEC Motor type: 90SB Rated power - P2: 1.1 kW Power (P2) required by pump: 1.1 kW Mains frequency: 50 Hz Rated voltage: 1 x 220-230/240 V		۲
Liquid temperature range:  Liquid temperature during operation:  Density:  998.2 kg/m³  Electrical data:  Motor standard:  Motor type:  90SB  Rated power - P2:  1.1 kW  Power (P2) required by pump:  Nains frequency:  Rated voltage:  1 x 220-230/240 V		Matau
Liquid temperature during operation: 20 °C  Density: 998.2 kg/m³  Electrical data:  Motor standard: IEC  Motor type: 90SB  Rated power - P2: 1.1 kW  Power (P2) required by pump: 1.1 kW  Mains frequency: 50 Hz  Rated voltage: 1 x 220-230/240 V		
Density:         998.2 kg/m³           Electrical data:         IEC           Motor type:         90SB           Rated power - P2:         1.1 kW           Power (P2) required by pump:         1.1 kW           Mains frequency:         50 Hz           Rated voltage:         1 x 220-230/240 V		
Electrical data:           Motor standard:         IEC           Motor type:         90SB           Rated power - P2:         1.1 kW           Power (P2) required by pump:         1.1 kW           Mains frequency:         50 Hz           Rated voltage:         1 x 220-230/240 V		
Motor standard: IEC  Motor type: 90SB  Rated power - P2: 1.1 kW  Power (P2) required by pump: 1.1 kW  Mains frequency: 50 Hz  Rated voltage: 1 x 220-230/240 V	-	998.2 kg/m³
Motor type: 90SB Rated power - P2: 1.1 kW Power (P2) required by pump: 1.1 kW Mains frequency: 50 Hz Rated voltage: 1 x 220-230/240 V		
Rated power - P2: 1.1 kW  Power (P2) required by pump: 1.1 kW  Mains frequency: 50 Hz  Rated voltage: 1 x 220-230/240 V		
Power (P2) required by pump:  Mains frequency:  Rated voltage:  1.1 kW  50 Hz  1 x 220-230/240 V		
Mains frequency: 50 Hz Rated voltage: 1 x 220-230/240 V		1.1 kW
Rated voltage: 1 x 220-230/240 V	Power (P2) required by pump:	1.1 kW
	Mains frequency:	50 Hz
Rated current: 7.40/6.70 A	Rated voltage:	1 x 220-230/240 V
	Rated current:	7.40/6.70 A









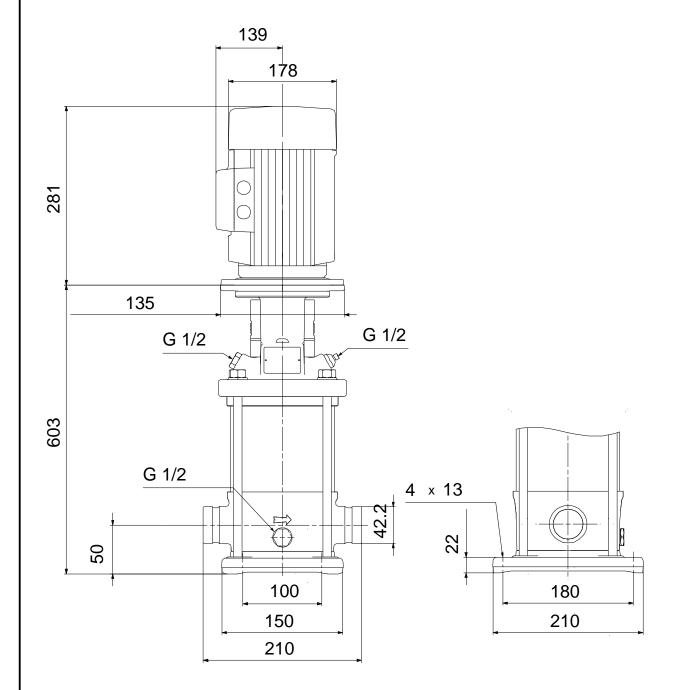
**Date:** 07/03/2019

Description	Value
Starting current:	390 %
Cos phi - power factor:	0.98/0.99
Rated speed:	2770 rpm
Motor efficiency at full load:	73-71 %
Number of poles:	2
Enclosure class (IEC 34-5):	55 Dust/Jetting
Insulation class (IEC 85):	F
Motor protec:	PTO
Motor No:	85215705
Controls:	
Frequency converter:	NONE
Others:	
Minimum efficiency index, MEI ≥:	0.70
Net weight:	36.4 kg
Gross weight:	40.4 kg
Shipping volume:	0.092 m <sup>3</sup>
Sales region:	GB
Country of origin:	GB
Custom tariff no.:	84137075



**Date:** 07/03/2019

# 96533162 CRN 1-21 A-P-A-E-HQQE 50 Hz



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