

**Date:** 12/03/2019

## Qty. | Description

1 CRN 155-2 A-F-A-E-HQQE



Note! Product picture may differ from actual product

Product No.: 99143272

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. The Grundfos 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 DIN flanges.

The pump is fitted with a 3-phase, fan-cooled asynchronous motor.

Controls:

Frequency converter: NONE

Liquid:

Pumped liquid: Water
Liquid temperature range: -40 .. 120 °C
Liquid temperature during operation: 20 °C
Density: 998.2 kg/m³

Technical:

Pump speed on which pump data are based: 2972 rpm

Rated flow: 155 m³/h
Rated head: 54.8 m
Pump orientation: Vertical
Shaft seal arrangement: Single
Code for shaft seal: HQQE

Curve tolerance: ISO9906:2012 3B

Materials:

Impeller:

Base: Stainless steel

EN 1.4408 Stainless steel

Bearing: EN 1.4401
Bearing: WC/WC
Support bearing: Graflon

Material certified according to: European standards

Installation:

Maximum ambient temperature: 55 °C Maximum operating pressure: 16 bar

Max pressure at stated temp: 16 bar / 120 °C

Type of connection: DIN



Date: 12/03/2019

## Qty. **Description**

Size of inlet connection: DN 150 DN 150 Size of outlet connection: Pressure rating for pipe connection: PN 16 Flange size for motor: FF350

**Electrical data:** 

Motor standard: IEC **SIEMENS** Motor type: IE Efficiency class: IE3 Rated power - P2: 30 kW Power (P2) required by pump: 30 kW Mains frequency: 50 Hz

Rated voltage: 3 x 380-420D/660-725Y V Rated current: 56,0-51,0/32,0-29,5 A

Starting current: 660-660 % Cos phi - power factor: 0.87 Rated speed: 2955 rpm Efficiency: IE3 93,3% Motor efficiency at full load: 93.3-93.3 % Motor efficiency at 3/4 load: 93.6-93.6 % Motor efficiency at 1/2 load: 93.4-93.4 %

Number of poles:

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

Insulation class (IEC 85):

Others:

Net weight: 387 kg Gross weight: 461 kg Shipping volume: 1.14 m<sup>3</sup> Thrust handling device: Ν

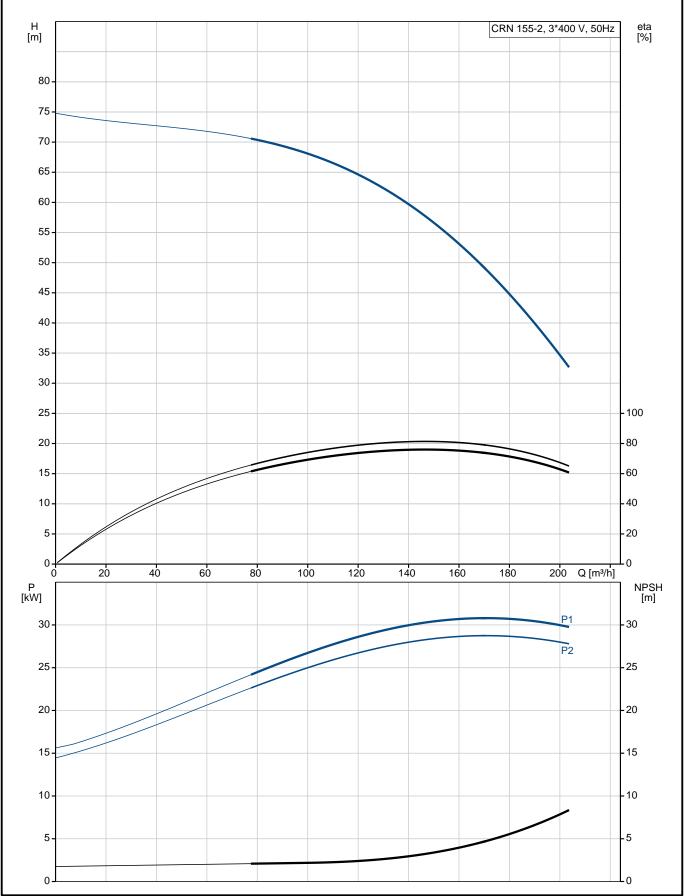
Approvals: CE, EAC, ACS, WRAS

Country of origin: DK Custom tariff no.: 84137075



**Date:** 12/03/2019

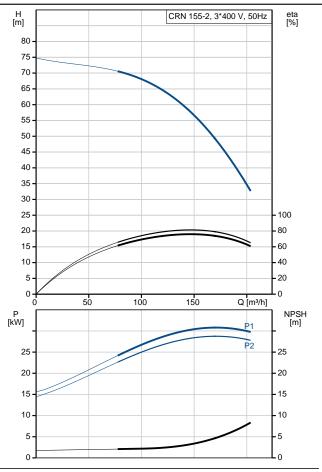
## 99143272 CRN 155-2 A-F-A-E-HQQE 50 Hz

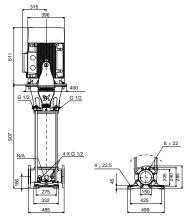


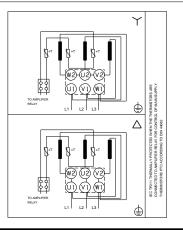


**Date:** 12/03/2019

Description		
Product name: A-F-AE-HQGE  Product No: 99143272  EAN number: 5712607553098  Technical:  Pump speed on which pump data are based: 2972 rpm  Rated flow: 155 m³/h Rated head: 54.8 m Head max: 74.8 m Stages: 2 Impellers: 2 Low NPSH: N Pump orientation: Vertical Shaft seal arrangement: Single Code for shaft seal: HQGE Curve tolerance: ISO9906:2012 3B Pump version: A Model: A Cooling: IC 411  Materials: Base: Stainless steel EN 1.4408 Impeller: Stainless steel EN 1.4401 Material code: A Code for rubber: E Bearing: WC/WC Support bearing: WC/WC Support bearing: Maximum ambient temperature: 55 °C Maximum ambient temperature: 16 bar Max pressure at stated temp: 16 bar / 120 °C Type of connection: DN 150 Pressure rating for pipe connection: PN 16 Flange size for motor: FF350 Connect code: F Liquid: Value (Liquid temperature during operation: Qo °C Density: BEEMS (Liquid temperature during operation: Qo °C Density: BEEMS (Liquid temperature during operation: Qo °C Density: SIEMENS (Liquid temperature durin	Description Company information	Value
Product No:         99143272           EAN number:         5712607553098           Technical:         2972 rpm           Pump speed on which pump data are based:         2972 rpm           Rated flow:         155 m³/h           Rated head:         54.8 m           Head max:         74.8 m           Stages:         2           Impellers:         2           Low NPSH:         N           Pump orientation:         Vertical           Shaft seal arrangement:         Single           Code for shaft seal:         HQQE           Curve tolerance:         ISO9906:2012 3B           Pump version:         A           Model:         A           Cooling:         IC 411           Materials:         Base:           Base:         Stainless steel           EN 1.4408         Impeller:           Material code:         A           Code for rubber:         E           Bearing:         WC/WC           Support bearing:         Graffon           Material certified according to:         European standards           Installation:         Image: I	General information:	CDN 155.2
EAN number:         5712607553098           Technical:         2972 rpm           Pump speed on which pump data are based:         2972 rpm           Rated flow:         155 m³/h           Rated head:         54.8 m           Head max:         74.8 m           Stages:         2           Impellers:         2           Low NPSH:         N           Pump orientation:         Vertical           Shaft seal arrangement:         Single           Code for shaft seal:         HQQE           Curve tolerance:         ISO9906:2012 3B           Pump version:         A           Model:         A           Cololing:         IC 411           Materials:         Base:           Base:         Stainless steel           EN 1.4408         Impeller:           Material code:         A           Code for rubber:         E           Bearing:         WC/WC           Support bearing:         Graflon           Material coetified according to:         European standards           Installation:         Maximum ambient temperature:         55 °C           Maximum operating pressure:         16 bar           Maximum op	Product name:	
Technical:     Pump speed on which pump data are based:	Product No:	99143272
Pump speed on which pump data are based:   Rated flow:	EAN number:	5712607553098
based:         2972 fpill           Rated flow:         155 m³/h           Rated head:         54.8 m           Head max:         74.8 m           Stages:         2           Impellers:         2           Low NPSH:         N           Pump orientation:         Vertical           Shaft seal arrangement:         Single           Code for shaft seal:         HQQE           Curve tolerance:         ISO9906:2012 3B           Pump version:         A           Model:         A           Cooling:         IC 411           Materials:         IC 411           Base:         Stainless steel           EN 1.4408         Impeller:           Material code:         A           Code for rubber:         E           Bearing:         WC/WC           Support bearing:         Graflon           Material cotified according to:         European standards           Installation:         Image:	Technical:	
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Rated head:         54.8 m           Head max:         74.8 m           Stages:         2           Impellers:         2           Low NPSH:         N           Pump orientation:         Vertical           Shaft seal arrangement:         Single           Code for shaft seal:         HQQE           Curve tolerance:         ISO9906:2012 3B           Pump version:         A           Model:         A           Cooling:         IC 411           Materials:         IC 411           Base:         Stainless steel           EN 1.4408           Impeller:         Stainless steel           EN 1.4401         A           Code for rubber:         E           Bearing:         WC/WC           Support bearing:         Graflon		·
Head max:   74.8 m		
Stages: 2   Impellers: 2   Low NPSH: N   Pump orientation: Vertical   Shaft seal arrangement: Single   Code for shaft seal: HQOE   Curve tolerance: ISO9906:2012 3B   Pump version: A   Model: A   Cooling: IC 411   Materials:   Base: Stainless steel   EN 1.4408   Impeller: Stainless steel   EN 1.4408   Impeller: EN 1.4401   Material code: A   Code for rubber: E   EN 1.4401   Material code: A   Code for rubber: E   EN 1.4401   Material code: A   Code for rubber: E   EN 1.4401   Material code: A   Code for rubber: E   EN 1.4401   Material code: A   Code for rubber: E   EN 1.4401   Material code: E   EN 1.4401   Material certified according to: European standards   Impeller: E   EN 1.4401   EUROPEAN		
Impellers:		
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Pump orientation:	•	
Shaft seal arrangement:         Single           Code for shaft seal:         HQQE           Curve tolerance:         ISO9906:2012 3B           Pump version:         A           Model:         A           Cooling:         IC 411           Materials:         Stainless steel           EN 1.4408         EN 1.4408           Impeller:         Stainless steel           EN 1.4401         A           A Code for rubber:         E           Bearing:         WC/WC           Support bearing:         Graflon           Material certified according to:         European standards           Installation:         Maximum ambient temperature:         55 °C           Maximum operating pressure:         16 bar           Max pressure at stated temp:         16 bar / 120 °C           Type of connection:         DN 150           Size of outlet connection:         DN 150           Size of outlet connection:         DN 150           Pressure rating for pipe connection:         PN 16           Flange size for motor:         FF350           Connect code:         F           Liquid temperature during operation:         20 °C           Density:         998.2 kg/m³ <td></td> <td></td>		
Code for shaft seal:         HQQE           Curve tolerance:         ISO9906:2012 3B           Pump version:         A           Model:         A           Cooling:         IC 411           Materials:         Base:           Base:         Stainless steel           EN 1.4408         EN 1.4401           Material code:         A           Code for rubber:         E           Bearing:         WC/WC           Support bearing:         Graflon           Material certified according to:         European standards           Installation:         WC/WC           Maximum ambient temperature:         55 °C           Maximum operating pressure:         16 bar           Max pressure at stated temp:         16 bar / 120 °C           Type of connection:         DIN           Size of inlet connection:         DN 150           Size of outlet connection:         DN 150           Pressure rating for pipe connection:         PN 16           Flange size for motor:         FF350           Connect code:         F           Liquid:         Water           Liquid temperature range:         -40 120 °C           Liquid temperature during operation:	•	
Curve tolerance: ISO9906:2012 3B Pump version: A Model: A Cooling: IC 411  Materials: Base: Stainless steel EN 1.4408 Impeller: Stainless steel EN 1.4401  Material code: A Code for rubber: E Bearing: WC/WC Support bearing: Graflon Material certified according to: European standards Installation:  Maximum ambient temperature: 55 °C Maximum operating pressure: 16 bar Max pressure at stated temp: 16 bar / 120 °C Type of connection: DN 150 Size of outlet connection: DN 150 Size of outlet connection: PN 16 Flange size for motor: FF350 Connect code: F Liquid: Pumped liquid: Water Liquid temperature during operation: 20 °C Density: 998.2 kg/m³  Electrical data: Motor standard: IEC Motor type: IE Efficiency class: IE3 Rated power - P2: 30 kW Power (P2) required by pump: 30 kW Mains frequency: 50 Hz Rated current: 56,0-51,0/32,0-29,5 A Starting current: 660-660 % Cos phi - power factor: 0.87	,	-
Pump version:  Model:  Cooling:  Base:  Base:  Stainless steel  EN 1.4408  Impeller:  Stainless steel  EN 1.4401  Material code:  A Code for rubber:  Bearing:  WC/WC  Support bearing:  Maximum ambient temperature:  Maximum ambient temperature:  Max pressure at stated temp:  Type of connection:  Size of inlet connection:  Pressure rating for pipe connection:  Pressure rating for pipe connection:  Pressure ating for pipe connection:  Pumped liquid:  Liquid temperature range:  Liquid temperature during operation:  Density:  Bearing:  WC/WC  Support bearing:  WC/WC  Support bearing:  Graffon  European standards  In bar  16 bar  16 bar  16 bar  170 °C  170 °C		
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Base: Stainless steel EN 1.4408 Impeller: Stainless steel EN 1.4401  Material code: A Code for rubber: E Bearing: WC/WC Support bearing: Graflon Material certified according to: European standards Installation: Maximum ambient temperature: 55 °C Maximum operating pressure: 16 bar Max pressure at stated temp: 16 bar / 120 °C Type of connection: DIN Size of inlet connection: DN 150 Size of outlet connection: DN 150 Pressure rating for pipe connection: PN 16 Flange size for motor: FF350 Connect code: F Liquid: Pumped liquid: Water Liquid temperature during operation: 20 °C Density: 998.2 kg/m³  Electrical data: Motor standard: IEC Motor type: SIEMENS IE Efficiency class: IE3 Rated power - P2: 30 kW Power (P2) required by pump: 30 kW Mains frequency: 50 Hz Rated voltage: Rated current: 56,0-51,0/32,0-29,5 A Starting current: 660-660 % Cos phi - power factor: 0.87		10 411
Impeller: Stainless steel EN 1.4401  Material code: A Code for rubber: E Bearing: WC/WC Support bearing: Graflon Material certified according to: European standards Installation:  Maximum ambient temperature: 55 °C Maximum operating pressure: 16 bar Max pressure at stated temp: 16 bar / 120 °C Type of connection: DIN Size of inlet connection: DN 150 Size of outlet connection: DN 150 Pressure rating for pipe connection: PN 16 Flange size for motor: FF350 Connect code: F Liquid: Pumped liquid: Water Liquid temperature range: -40 120 °C Liquid temperature during operation: 20 °C Density: 998.2 kg/m³ Electrical data: Motor standard: IEC Motor type: SIEMENS IE Efficiency class: IE3 Rated power - P2: 30 kW Power (P2) required by pump: 30 kW Mains frequency: 50 Hz Rated voltage: Rated current: 56,0-51,0/32,0-29,5 A Starting current: 56,0-51,0/32,0-29,5 A Starting current: 660-660 % Cos phi - power factor: 0.87		Stainless steel
Impeller:  Stainless steel EN 1.4401  Material code: Code for rubber: Bearing: WC/WC Support bearing: Material certified according to: Installation: Maximum ambient temperature: Maximum operating pressure: Max pressure at stated temp: Type of connection: DIN Size of inlet connection: DN 150 Size of outlet connection: PN 16 Flange size for motor: Connect code: FLiquid: Pumped liquid: Water Liquid temperature ange: Liquid temperature during operation: Density: Density: Density: Description: Decomposity: Density: Description: Decomposity: Description: Decomposity: Description: Decomposity: Description: Decomposity: Density: Dens	Dase.	
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Material code: Code for rubber: Bearing: WC/WC Support bearing: Material certified according to: Installation: Maximum ambient temperature: Maximum operating pressure: Max pressure at stated temp: Type of connection: Size of inlet connection: DIN Size of outlet connection: Pressure rating for pipe connection: Pressure rating for pipe connection: Flange size for motor: Fraso Connect code: F Liquid: Pumped liquid: Water Liquid temperature range: Liquid temperature during operation: Density: Pelectrical data: Motor standard: Motor type: IE Efficiency class: Rated power - P2: Power (P2) required by pump: Rated voltage: Rated voltage: Rated current: S60-51,0/32,0-29,5 A Starting current: Cos phi - power factor:  Rated corrent: S60-660 % Cos phi - power factor:  Rated corrent: Careful Care European standards European standards WC/WC European standards Furopean standards WC/WC Suropean standards IE Efficiency suropean sta	ппрепет.	
Code for rubber:  Bearing: WC/WC Support bearing: Graflon Material certified according to: Installation:  Maximum ambient temperature: Maximum operating pressure: Maximum operating pressure: Max pressure at stated temp: Type of connection: DIN Size of inlet connection: DN 150 Size of outlet connection: PN 16 Flange size for motor: FF350 Connect code: Fuiquid: Pumped liquid: Water Liquid temperature range: Liquid temperature during operation: Density: Pelectrical data: Motor standard: Motor standard: IEC Motor type: IE Efficiency class: Rated power - P2: Power (P2) required by pump:  Rated voltage:  Rated voltage: Cos phi - power factor: Cas passandards Carefon European standards European standards Water Liquid temperature 16 bar DN 150 DN 150 DN 150 PN 16 FF350 CO CO DN 150 PN 16 FF350 FF SIEMEN FF SIEMEN SIEMENS IEC SIEMENS IES Rated voltage: SIEMENS FF SIEM	Material code:	
Bearing: WC/WC Support bearing: Graflon Material certified according to: European standards Installation: Maximum ambient temperature: 55 °C Maximum operating pressure: 16 bar Max pressure at stated temp: 16 bar / 120 °C Type of connection: DIN Size of inlet connection: DN 150 Size of outlet connection: DN 150 Pressure rating for pipe connection: PN 16 Flange size for motor: FF350 Connect code: F Liquid: Pumped liquid: Water Liquid temperature range: -40 120 °C Liquid temperature during operation: 20 °C Density: 998.2 kg/m³  Electrical data: Motor standard: IEC Motor type: SIEMENS IE Efficiency class: IE3 Rated power - P2: 30 kW Power (P2) required by pump: 30 kW Mains frequency: 50 Hz Rated voltage: Vaterial Sierial Sier		• •
Support bearing: Graflon  Material certified according to: European standards  Installation:  Maximum ambient temperature: 55 °C  Maximum operating pressure: 16 bar  Max pressure at stated temp: 16 bar / 120 °C  Type of connection: DIN  Size of inlet connection: DN 150  Size of outlet connection: DN 150  Pressure rating for pipe connection: PN 16  Flange size for motor: FF350  Connect code: F  Liquid:  Pumped liquid: Water  Liquid temperature range: -40 120 °C  Liquid temperature during operation: 20 °C  Density: 998.2 kg/m³  Electrical data:  Motor standard: IEC  Motor type: SIEMENS  IE Efficiency class: IE3  Rated power - P2: 30 kW  Power (P2) required by pump: 30 kW  Mains frequency: 50 Hz  Rated voltage: 3 x 380-420D/660-725Y  V  Rated current: 56,0-51,0/32,0-29,5 A  Starting current: 660-660 %  Cos phi - power factor: 0.87		
Material certified according to:  Installation:  Maximum ambient temperature:  Maximum operating pressure:  Max pressure at stated temp:  Type of connection:  Size of inlet connection:  Pressure rating for pipe connection:  Pressure rating for pipe connection:  Flange size for motor:  Connect code:  Liquid:  Pumped liquid:  Liquid temperature range:  Liquid temperature during operation:  Density:  Belectrical data:  Motor standard:  Motor type:  IE Efficiency class:  Rated power - P2:  Power (P2) required by pump:  Mater Liquid temperature system of the sy		
Installation:  Maximum ambient temperature:  Maximum operating pressure:  Max pressure at stated temp:  Type of connection:  Size of inlet connection:  DN 150  Size of outlet connection:  Pressure rating for pipe connection:  PN 16  Flange size for motor:  Connect code:  F  Liquid:  Pumped liquid:  Liquid temperature range:  Liquid temperature during operation:  Density:  Density:  Belectrical data:  Motor standard:  Motor type:  IE Efficiency class:  Rated power - P2:  Power (P2) required by pump:  Rated voltage:  Rated current:  Starting current:  Cos phi - power factor:  Maximum ambient temperature:  16 bar  16 bar  Motor  Water  16 bar  16 bar  16 bar  18 bar  18 bar  18 bar  18 bar  18 bar  19 0°C  10 N 150  PN 16  FF350  Connect code:  F  Liquid:  Water  Liquid temperature operation:  20 °C  Density:  998.2 kg/m³  Electrical data:  Motor standard:  Motor type:  SIEMENS  IE3  Rated power - P2:  30 kW  As 380-420D/660-725Y  V  Rated current:  56,0-51,0/32,0-29,5 A  Starting current:  660-660 %  Cos phi - power factor:  0.87		
Maximum operating pressure:  Max pressure at stated temp:  Type of connection:  Size of inlet connection:  DN 150  Size of outlet connection:  Pressure rating for pipe connection:  PN 16  Flange size for motor:  Connect code:  F  Liquid:  Pumped liquid:  Liquid temperature range:  Liquid temperature during operation:  Density:  Density:  Biectrical data:  Motor standard:  Motor type:  IE Efficiency class:  Rated power - P2:  Power (P2) required by pump:  Mains frequency:  Rated current:  Starting current:  Cos phi - power factor:  DiN  150  DN 150  PN 16  FF350  C  V  Vater  Liquid:  Pumped liquid:  Water  Liquid temperature during operation:  20 °C  20 °C  Density:  998.2 kg/m³  EEC  Motor type:  SIEMENS  IE3  Rated power - P2:  30 kW  Power (P2) required by pump:  30 kW  Rated current:  56,0-51,0/32,0-29,5 A  660-660 %  Cos phi - power factor:  0.87		
Maximum operating pressure:  Max pressure at stated temp:  Type of connection:  DIN  Size of inlet connection:  DN 150  Size of outlet connection:  PN 16  Flange size for motor:  Connect code:  F  Liquid:  Pumped liquid:  Vater  Liquid temperature range:  Liquid temperature during operation:  Density:  Motor standard:  Motor standard:  Motor type:  IE Efficiency class:  Rated power - P2:  Rated voltage:  Rated current:  Starting current:  Cos phi - power factor:  DIN  16  bar  15  BN  15  Cos phi - power factor:  16  bar  15  bar  16  bar 16  bar  16  bar	Maximum ambient temperature:	55 °C
Max pressure at stated temp:  Type of connection:  DIN  Size of inlet connection:  DN 150  Size of outlet connection:  Pressure rating for pipe connection:  PN 16  Flange size for motor:  Connect code:  F  Liquid:  Pumped liquid:  Vater  Liquid temperature range:  Liquid temperature during operation:  Density:  Pelectrical data:  Motor standard:  Motor type:  IE Efficiency class:  Rated power - P2:  Power (P2) required by pump:  Rated voltage:  Rated current:  Starting current:  Cos phi - power factor:  Din 150  DN 150  DN 150  DN 150  DN 150  PN 16  FF350  COC  PN 16  F  Liquid:  PV 34  Ster -40 120 °C  COC  Density:  Power (P2) required by peration:  DN 150  PN 16  FF350  COC  PS 30  COC  Density:  998.2 kg/m³  EEC  Motor type:  SIEMENS  IE3  Rated power - P2:  30 kW  Power (P2) required by pump:  30 kW  Rated current:  56,0-51,0/32,0-29,5 A  660-660 %  Cos phi - power factor:  0.87	•	16 bar
Size of inlet connection:  Size of outlet connection:  DN 150  Pressure rating for pipe connection:  PN 16  Flange size for motor:  Connect code:  F  Liquid:  Pumped liquid:  Liquid temperature range:  Liquid temperature during operation:  Density:  Pelectrical data:  Motor standard:  Motor type:  IE Efficiency class:  Rated power - P2:  Power (P2) required by pump:  Rated voltage:  Rated current:  Size of outlet connection:  DN 150  PN 16  PN 16  PN 16  FF350  Co C  PO 20  CC  Po 30  CC  Size Mater S		16 bar / 120 °C
Size of outlet connection:  Pressure rating for pipe connection:  Flange size for motor:  Connect code:  F  Liquid:  Pumped liquid:  Liquid temperature range:  Liquid temperature during operation:  Density:  Pelectrical data:  Motor standard:  Motor type:  IE Efficiency class:  Rated power - P2:  Power (P2) required by pump:  Rated voltage:  Rated current:  Size Manuel Size M	Type of connection:	DIN
Pressure rating for pipe connection: PN 16 Flange size for motor: FF350 Connect code: F  Liquid: Water  Liquid temperature range: -40 120 °C Liquid temperature during operation: 20 °C Density: 998.2 kg/m³  Electrical data:  Motor standard: IEC Motor type: SIEMENS IE Efficiency class: IE3 Rated power - P2: 30 kW Power (P2) required by pump: 30 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-420D/660-725Y Rated current: 56,0-51,0/32,0-29,5 A Starting current: 660-660 % Cos phi - power factor: 0.87	Size of inlet connection:	DN 150
Flange size for motor:         FF350           Connect code:         F           Liquid:         Water           Pumped liquid:         Water           Liquid temperature range:         -40 120 °C           Liquid temperature during operation:         20 °C           Density:         998.2 kg/m³           Electrical data:         IEC           Motor standard:         IEC           Motor type:         SIEMENS           IE Efficiency class:         IE3           Rated power - P2:         30 kW           Power (P2) required by pump:         30 kW           Mains frequency:         50 Hz           Rated voltage:         3 x 380-420D/660-725Y           Rated current:         56,0-51,0/32,0-29,5 A           Starting current:         660-660 %           Cos phi - power factor:         0.87	Size of outlet connection:	DN 150
Connect code:         F           Liquid:         Water           Pumped liquid:         Water           Liquid temperature range:         -40 120 °C           Liquid temperature during operation:         20 °C           Density:         998.2 kg/m³           Electrical data:         IEC           Motor standard:         IEC           Motor type:         SIEMENS           IE Efficiency class:         IE3           Rated power - P2:         30 kW           Power (P2) required by pump:         30 kW           Mains frequency:         50 Hz           Rated voltage:         3 x 380-420D/660-725Y           Rated current:         56,0-51,0/32,0-29,5 A           Starting current:         660-660 %           Cos phi - power factor:         0.87	Pressure rating for pipe connection:	PN 16
Liquid:Pumped liquid:WaterLiquid temperature range:-40 120 °CLiquid temperature during operation:20 °CDensity:998.2 kg/m³Electrical data:IECMotor standard:IECMotor type:SIEMENSIE Efficiency class:IE3Rated power - P2:30 kWPower (P2) required by pump:30 kWMains frequency:50 HzRated voltage:3 x 380-420D/660-725YRated current:56,0-51,0/32,0-29,5 AStarting current:660-660 %Cos phi - power factor:0.87	Flange size for motor:	FF350
Pumped liquid: Water Liquid temperature range: -40 120 °C Liquid temperature during operation: 20 °C Density: 998.2 kg/m³  Electrical data:  Motor standard: IEC Motor type: SIEMENS IE Efficiency class: IE3 Rated power - P2: 30 kW Power (P2) required by pump: 30 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-420D/660-725Y V Rated current: 56,0-51,0/32,0-29,5 A Starting current: 660-660 % Cos phi - power factor: 0.87	Connect code:	F
Liquid temperature range:  Liquid temperature during operation:  Density:  998.2 kg/m³  Electrical data:  Motor standard:  Motor type:  IE Efficiency class:  Rated power - P2:  Power (P2) required by pump:  Mains frequency:  Rated voltage:  Rated current:  Starting current:  Cos phi - power factor:  120 °C  20 °C  2	Liquid:	
Liquid temperature during operation:         20 °C           Density:         998.2 kg/m³           Electrical data:         IEC           Motor standard:         IEC           Motor type:         SIEMENS           IE Efficiency class:         IE3           Rated power - P2:         30 kW           Power (P2) required by pump:         30 kW           Mains frequency:         50 Hz           Rated voltage:         3 x 380-420D/660-725Y           V         Rated current:         56,0-51,0/32,0-29,5 A           Starting current:         660-660 %           Cos phi - power factor:         0.87	Pumped liquid:	Water
Density:         998.2 kg/m³           Electrical data:         IEC           Motor standard:         IEC           Motor type:         SIEMENS           IE Efficiency class:         IE3           Rated power - P2:         30 kW           Power (P2) required by pump:         30 kW           Mains frequency:         50 Hz           Rated voltage:         3 x 380-420D/660-725Y           V         Rated current:         56,0-51,0/32,0-29,5 A           Starting current:         660-660 %           Cos phi - power factor:         0.87	Liquid temperature range:	-40 120 °C
Electrical data:           Motor standard:         IEC           Motor type:         SIEMENS           IE Efficiency class:         IE3           Rated power - P2:         30 kW           Power (P2) required by pump:         30 kW           Mains frequency:         50 Hz           Rated voltage:         3 x 380-420D/660-725Y           Rated current:         56,0-51,0/32,0-29,5 A           Starting current:         660-660 %           Cos phi - power factor:         0.87	Liquid temperature during operation:	20 °C
Motor standard:         IEC           Motor type:         SIEMENS           IE Efficiency class:         IE3           Rated power - P2:         30 kW           Power (P2) required by pump:         30 kW           Mains frequency:         50 Hz           Rated voltage:         3 x 380-420D/660-725Y           Rated current:         56,0-51,0/32,0-29,5 A           Starting current:         660-660 %           Cos phi - power factor:         0.87	•	998.2 kg/m³
Motor type:         SIEMENS           IE Efficiency class:         IE3           Rated power - P2:         30 kW           Power (P2) required by pump:         30 kW           Mains frequency:         50 Hz           Rated voltage:         3 x 380-420D/660-725Y V           Rated current:         56,0-51,0/32,0-29,5 A           Starting current:         660-660 %           Cos phi - power factor:         0.87		
IE Efficiency class:         IE3           Rated power - P2:         30 kW           Power (P2) required by pump:         30 kW           Mains frequency:         50 Hz           Rated voltage:         3 x 380-420D/660-725Y           Rated current:         56,0-51,0/32,0-29,5 A           Starting current:         660-660 %           Cos phi - power factor:         0.87		
Rated power - P2:       30 kW         Power (P2) required by pump:       30 kW         Mains frequency:       50 Hz         Rated voltage:       3 x 380-420D/660-725Y V         Rated current:       56,0-51,0/32,0-29,5 A         Starting current:       660-660 %         Cos phi - power factor:       0.87		
Power (P2) required by pump:         30 kW           Mains frequency:         50 Hz           Rated voltage:         3 x 380-420D/660-725Y V           Rated current:         56,0-51,0/32,0-29,5 A           Starting current:         660-660 %           Cos phi - power factor:         0.87	-	
Mains frequency:       50 Hz         Rated voltage:       3 x 380-420D/660-725Y         V       V         Rated current:       56,0-51,0/32,0-29,5 A         Starting current:       660-660 %         Cos phi - power factor:       0.87		
Rated voltage: 3 x 380-420D/660-725Y V  Rated current: 56,0-51,0/32,0-29,5 A  Starting current: 660-660 %  Cos phi - power factor: 0.87		
Rated voltage: V  Rated current: 56,0-51,0/32,0-29,5 A  Starting current: 660-660 %  Cos phi - power factor: 0.87	Mains frequency:	
Starting current: 660-660 % Cos phi - power factor: 0.87	Rated voltage:	
Cos phi - power factor: 0.87	Rated current:	56,0-51,0/32,0-29,5 A
	Starting current:	660-660 %
Rated speed: 2955 rpm		0.87
	Rated speed:	2955 rpm









**Date:** 12/03/2019

Description	Value
Efficiency:	IE3 93,3%
Motor efficiency at full load:	93.3-93.3 %
Motor efficiency at 3/4 load:	93.6-93.6 %
Motor efficiency at 1/2 load:	93.4-93.4 %
Number of poles:	2
Enclosure class (IEC 34-5):	55 Dust/Jetting
Insulation class (IEC 85):	F
Motor protec:	PTC
Motor No:	81U15332
Controls:	
Frequency converter:	NONE
Others:	
Net weight:	387 kg
Gross weight:	461 kg
Shipping volume:	1.14 m³
Thrust handling device:	N
Approvals:	CE, EAC, ACS, WRAS
Country of origin:	DK
Custom tariff no.:	84137075