

Date: 08/05/2019

Qty. | Description

1 | CR 32-5A-F-A-V-HQQV



Note! Product picture may differ from actual product

Product No.: 96122043

Vertical, multistage centrifugal pump with inlet and outlet ports on same the level (inline). The pump head and base are in cast iron – all other wetted parts are in 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 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: -20 .. 90 °C
Selected liquid temperature: 20 °C

Density at selected liquid temperature: 998.2 kg/m³

Technical:

Pump speed on which pump data are based: 2924 rpm

Rated flow: 30 m³/h
Rated head: 76 m
Pump orientation: Vertical
Shaft seal arrangement: Single
Code for shaft seal: HQQV
Approvals on nameplate: CE, EAC

Curve tolerance: ISO9906:2012 3B

Materials:

Base: Cast iron

EN 1563 EN-GJS-500-7 ASTM A536 80-55-06

Impeller: Stainless steel

EN 1.4301 AISI 304

Bearing: SIC Support bearing: Graflon

Installation:

Maximum ambient temperature: 60 °C Maximum operating pressure: 16 bar



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Qty. **Description**

Max pressure at stated temp: 16 bar / 90 °C

16 bar / -20 °C

Type of connection: DIN Size of inlet connection: DN 65 Size of outlet connection: DN 65 Pressure rating for pipe connection: PN 40 Flange size for motor: FF300

Electrical data:

Motor standard: **IEC** Motor type: 160MB IE Efficiency class: IE3 Rated power - P2: 11 kW Power (P2) required by pump: 11 kW Mains frequency: 50 Hz

Rated voltage: 3 x 380-415D/660-690Y V Rated current: 20,8-19,8/12,0-11,8 A

Starting current: 660-780 % Cos phi - power factor: 0.88-0.84 Rated speed: 2940-2950 rpm Efficiency: IE3 91,2% Motor efficiency at full load: 91.2-91.2 % Motor efficiency at 3/4 load: 91.8 % Motor efficiency at 1/2 load: 91.3 %

Number of poles:

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

Insulation class (IEC 85):

Motor No: 85U17524

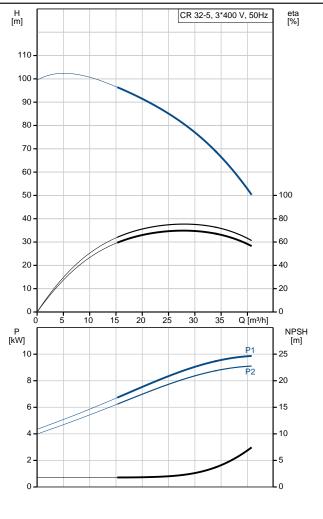
Others:

Minimum efficiency index, MEI â%¥: 0.70 Net weight: 158 kg Gross weight: 191 kg 0.495 m³ Shipping volume: Country of origin: GB 84137075 Custom tariff no.:



Date: 08/05/2019

Description Value General information: CR 32-5A-F-A-V-HQQV Product name: CR 32-5A-F-A-V-HQQV Product No: 96122043 EAN number: 5700396680873 Technical: 2924 rpm Pump speed on which pump data are based: 2924 rpm Rated flow: 30 m³/h Rated head: 76 m Head max: 97.8 m Stages: 5 Impellers: 0 Low NPSH: N Pump orientation: Vertical Shaft seal arrangement: Single Code for shaft seal: HQQV Approvals on nameplate: CE, EAC Curve tolerance: ISO9906:2012 3B Pump version: A Model: B Materials: EN 1563 EN-GJS-500-7 Base: Cast iron EN 1563 EN-GJS-500-7 ASTM A536 80-55-06 Impeller: Stainless steel Material code: A Code for rubber: V Support bearing:		
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EAN number: 5700396680873 Technical: 2924 rpm Pump speed on which pump data are based: 2924 rpm Rated flow: 30 m³/h Rated head: 76 m Head max: 97.8 m Stages: 5 Impellers: 0 Number of reduced-diameter impellers: 0 Low NPSH: N Pump orientation: Vertical Shaft seal arrangement: Single Code for shaft seal: HQQV Approvals on nameplate: CE, EAC Curve tolerance: ISO9906:2012 3B Pump version: A Model: B Materials: EN 1563 EN-GJS-500-7 Base: Cast iron EN 1563 EN-GJS-500-7 EN 1563 EN-GJS-500-7 Impeller: Stainless steel EN 1,4301 AISI 304 Material code: A Code for rubber: V Bearing: SIC Support bearing: Graflon Installation: In 6 b	Product name:	CR 32-5A-F-A-V-HQQV
Technical: Pump speed on which pump data are based: Rated flow:	Product No:	96122043
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Rated head: 76 m Head max: 97.8 m Stages: 5 Impellers: 5 Number of reduced-diameter impellers: 0 Low NPSH: N Pump orientation: Vertical Shaft seal arrangement: Single Code for shaft seal: HQQV Approvals on nameplate: CE, EAC Curve tolerance: ISO9906:2012 3B Pump version: A Model: B Materials: B Base: Cast iron EN 1563 EN-GJS-500-7 EN 1563 EN-GJS-500-7 ASTM A536 80-55-06 Impeller: Impeller: Stainless steel EN 1.4301 AISI 304 Material code: A Code for rubber: V Bearing: SIC Support bearing: Graflon Installation: Maximum ambient temperature: 60 °C Maximum operating pressure: 16 bar / 90 °C Type of connection: DIN Size of in		2924 rpm
Head max: 97.8 m	Rated flow:	30 m³/h
Stages: 5 Impellers: 5 Number of reduced-diameter impellers: 0 Low NPSH: N Pump orientation: Vertical Shaft seal arrangement: Single Code for shaft seal: HQQV Approvals on nameplate: CE, EAC Curve tolerance: ISO9906:2012 3B Pump version: A Model: B Materials: Base: Cast iron EN 1563 EN-GJS-500-7 ASTM A536 80-55-06 Impeller: Stainless steel EN 1.4301 AISI 304 Material code: A Code for rubber: V Bearing: SIC Support bearing: Graflon Installation: Maximum ambient temperature: 60 °C Maximum operating pressure: 16 bar Max pressure at stated temp: 16 bar 90 °C Type of connection: DIN Size of inlet connection: DN 65 Size of outlet connection: DN 65 Pressure rating for pipe connection: FF300 Connect code: F Liquid temperature range: -2090 °C Selected liquid temperature: 20 °C Density at selected liquid temperature: 298.2 kg/m³ Electrical data: Motor standard: IEC Motor type: 160MB IE Efficiency class: IE3 Rated power - P2: 11 kW Mains frequency: 3 x 380.415D/660-690V Mains frequency: 3 x 380.415D/660-690V As an additional range 1 kW Mains frequency: 3 x 380.415D/660-690V As an additional range 1 kW Mains frequency: 3 x 380.415D/660-690V As an additional range 1 kW Mains frequency: 3 x 380.415D/660-690V As an additional range 1 kW Mains frequency: 3 x 380.415D/660-690V As an additional range 1 kW Mains frequency: 3 x 380.415D/660-690V As an additional range 1 kW Mains frequency: 3 x 380.415D/660-690V As an additional range 1 kW August frequency: 3 x 380.415D/660-690V As an additional range 1 kW August frequency: 3 x 380.415D/660-690V As an additional range 1 kW August frequency: 3 x 380.415D/660-690V As an additional range 1 kW August frequency: 3 x 380.415D/660-690V	Rated head:	76 m
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Number of reduced-diameter impellers: 0 Low NPSH: N Pump orientation: Vertical Shaft seal arrangement: Single Code for shaft seal: HQQV Approvals on nameplate: CE, EAC Curve tolerance: ISO9906:2012 3B Pump version: A Model: B Materials: B Base: Cast iron EN 1563 EN-GJS-500-7 EN 1563 EN-GJS-500-7 ASTM A536 80-55-06 Impeller: Stainless steel EN 1.4301 ANA AG 4 Code for rubber: V Bearing: SIC Support bearing: Graflon Installation: SIC Maximum ambient temperature: 60 °C Maximum ambient temperature: 60 °C Maximum operating pressure: 16 bar / 90 °C Max pressure at stated temp: 16 bar / 90 °C Max pressure rating for pipe connection: DN 65 Size of outlet connection: DN 65 Pressure rating for pipe	Stages:	5
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Shaft seal arrangement: Code for shaft seal: HQQV Approvals on nameplate: CE, EAC Curve tolerance: ISO9906:2012 3B Pump version: A Model: B Materials: Base: Cast iron EN 1563 EN-GJS-500-7 ASTM A536 80-55-06 Impeller: Stainless steel EN 1.4301 AISI 304 Material code: A Code for rubber: V Bearing: SIC Support bearing: Installation: Maximum ambient temperature: Maximum operating pressure: I6 bar / 90 °C Type of connection: DIN Size of inlet connection: DN 65 Pressure rating for pipe connection: Pressure rating for pipe connection: Pressure and in the pressure: Liquid: Pumped liquid: Water Liquid temperature range: Selected liquid temperature: 998.2 kg/m³ Electrical data: Motor type: 16 MM IEC Motor type: 11 kW Power (P2) required by pump: 11 kW Mains frequency: 3 x 380-415D/660-690Y	Low NPSH:	N
Code for shaft seal: Approvals on nameplate: CUP tolerance: Pump version: A Model: B Materials: Base: Cast iron EN 1563 EN-GJS-500-7 ASTM A536 80-55-06 Impeller: Stainless steel EN 1.4301 AISI 304 Material code: A Code for rubber: V Bearing: SIC Support bearing: Installation: Maximum ambient temperature: Maximum operating pressure: In 6 bar Max pressure at stated temp: In 6 bar / -20 °C Type of connection: DIN Size of inlet connection: DN 65 Size of outlet connection: Pressure rating for pipe connection: PN 40 Flange size for motor: Connect code: F Liquid: Pumped liquid: User User User User User User User User	Pump orientation:	
Approvals on nameplate: CE, EAC Curve tolerance: ISO9906:2012 3B Pump version: A Model: B Materials: Base: Cast iron EN 1563 EN-GJS-500-7 ASTM A536 80-55-06 Impeller: Stainless steel EN 1.4301 AISI 304 Material code: A Code for rubber: V Bearing: SIC Support bearing: Graflon Installation: Maximum ambient temperature: 60 °C Maximum operating pressure: 16 bar Max pressure at stated temp: 16 bar / 90 °C Type of connection: DN 65 Size of outlet connection: DN 65 Size of outlet connection: PN 40 Flange size for motor: FF300 Connect code: F Liquid: Pumped liquid: Water Liquid temperature range: -20 90 °C Selected liquid temperature: 998.2 kg/m³ Electrical data: Motor standard: IEC Motor type: 160MB IE Efficiency class: Rated power - P2: 11 kW Power (P2) required by pump: 11 kW Mains frequency: 3 x 380-415D/660-690Y	_	Single
Curve tolerance: ISO9906:2012 3B Pump version: A Model: B Materials: Base: Cast iron EN 1563 EN-GJS-500-7 ASTM A536 80-55-06 Impeller: Stainless steel EN 1.4301 AISI 304 Material code: A Code for rubber: V Bearing: SIC Support bearing: Graflon Installation: Maximum ambient temperature: 60 °C Maximum operating pressure: 16 bar Max pressure at stated temp: 16 bar / 90 °C Type of connection: DN 65 Size of inlet connection: DN 65 Size of outlet connection: DN 65 Pressure rating for pipe connection: PN 40 Flange size for motor: FF300 Connect code: F Liquid: Pumped liquid: Water Liquid temperature range: -20 90 °C Selected liquid temperature: 998.2 kg/m³ Electrical data: Motor standard: IEC Motor type: 160MB IE Efficiency class: Rated power - P2: 11 kW Mains frequency: 50 Hz	Code for shaft seal:	HQQV
Pump version: Model: B Materials: Base: Cast iron EN 1563 EN-GJS-500-7 ASTM A536 80-55-06 Impeller: Stainless steel EN 1.4301 AISI 304 Material code: A Code for rubber: V Bearing: SIC Support bearing: Installation: Maximum ambient temperature: Maximum operating pressure: Max pressure at stated temp: 16 bar Max pressure at stated temp: 16 bar / -20 °C Type of connection: DIN Size of inlet connection: DN 65 Size of outlet connection: Pressure rating for pipe connection: Pressure rating for pipe connection: PN 40 Flange size for motor: FF300 Connect code: F Liquid: Pumped liquid: Liquid temperature range: Selected liquid temperature: 20 °C Density at selected liquid temperature: 998.2 kg/m³ Electrical data: Motor standard: IEC Motor type: 160MB IE Efficiency class: Rated power - P2: 11 kW Mains frequency: 3 x 380-415D/660-690Y	Approvals on nameplate:	CE, EAC
Model: Base: Cast iron EN 1563 EN-GJS-500-7 ASTM A536 80-55-06 Impeller: Stainless steel EN 1.4301 AISI 304 Material code: Code for rubber: V Bearing: SIC Support bearing: Graflon Installation: Maximum ambient temperature: 60 °C Maximum operating pressure: 16 bar Max pressure at stated temp: 16 bar / 90 °C Type of connection: DIN Size of inlet connection: Pressure rating for pipe connection: Pressure rating for pipe connection: FF300 Flange size for motor: Connect code: Liquid: Pumped liquid: Water Liquid temperature range: Selected liquid temperature: 998.2 kg/m³ Electrical data: Motor standard: IEC Motor type: IE Efficiency class: Rated power - P2: Power (P2) required by pump: Mains frequency: 3 x 380-415D/660-690Y Marst ASTM A536 80-55-006 Extra vise iron EN 1.4301 ASTM A536 80-55-06 EVA 1.450/660-690Y ASTM A536 AND ASTM ASTM ASTM ASTM ASTM ASTM ASTM ASTM	Curve tolerance:	ISO9906:2012 3B
Materials: Base: Cast iron EN 1563 EN-GJS-500-7 ASTM A536 80-55-06 Impeller: Stainless steel EN 1.4301 AISI 304 Material code: A Code for rubber: V Bearing: SIC Support bearing: Graflon Installation: Maximum ambient temperature: 60 °C Maximum operating pressure: 16 bar Max pressure at stated temp: 16 bar / 90 °C 16 bar / -20 °C Type of connection: DIN Size of inlet connection: DN 65 Size of outlet connection: DN 65 Pressure rating for pipe connection: PN 40 Flange size for motor: FF300 Connect code: F Liquid: Pumped liquid: Water Liquid temperature range: -20 90 °C Selected liquid temperature: 998.2 kg/m³ Electrical data: Motor standard: IEC Motor type: 160MB IE Efficiency class: IE3 Rated power - P2: 11 kW Mains frequency: 3 x 380-415D/660-690Y	Pump version:	A
Base: Cast iron EN 1563 EN-GJS-500-7 ASTM A536 80-55-06 Impeller: Stainless steel EN 1.4301 AISI 304 Material code: Code for rubber: V Bearing: SIC Support bearing: Installation: Maximum ambient temperature: 60 °C Maximum operating pressure: 16 bar Max pressure at stated temp: 16 bar / 90 °C Type of connection: DIN Size of inlet connection: DN 65 Size of outlet connection: Pressure rating for pipe connection: PN 40 Flange size for motor: FF300 Connect code: F Liquid: Pumped liquid: Water Liquid temperature range: -20 90 °C Selected liquid temperature: 20 °C Density at selected liquid temperature: 998.2 kg/m³ Electrical data: Motor standard: IEC Motor type: 160MB IE Efficiency class: Rated power - P2: 11 kW Power (P2) required by pump: 11 kW Mains frequency: 3 x 380-415D/660-690Y	Model:	В
EN 1563 EN-GJS-500-7 ASTM A536 80-55-06 Impeller: Stainless steel EN 1.4301 AISI 304 Material code: A Code for rubber: V Bearing: SIC Support bearing: Graflon Installation: Maximum ambient temperature: 60 °C Maximum operating pressure: 16 bar Max pressure at stated temp: 16 bar / 90 °C Type of connection: DIN Size of inlet connection: DN 65 Size of outlet connection: DN 65 Size of outlet connection: PN 40 Flange size for motor: FF300 Connect code: F Liquid: Pumped liquid: Water Liquid temperature range: -20 90 °C Selected liquid temperature: 20 °C Density at selected liquid temperature: 998.2 kg/m³ Electrical data: Motor standard: IEC Motor type: 160MB IE Efficiency class: IE3 Rated power - P2: 11 kW Power (P2) required by pump: 11 kW Mains frequency: 50 Hz	Materials:	
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EN 1.4301 AISI 304 Material code: Code for rubber: V Bearing: Support bearing: Installation: Maximum ambient temperature: Maximum operating pressure: 16 bar Max pressure at stated temp: 16 bar / 90 °C 16 bar / -20 °C Type of connection: DIN Size of inlet connection: DN 65 Size of outlet connection: DN 65 Pressure rating for pipe connection: PN 40 Flange size for motor: FF300 Connect code: F Liquid: Pumped liquid: Water Liquid temperature range: Selected liquid temperature: Density at selected liquid temperature: 998.2 kg/m³ Electrical data: Motor standard: IEC Motor type: IE Efficiency class: Rated power - P2: Power (P2) required by pump: 11 kW Mains frequency: 3 x 380-415D/660-690Y		ASTM A536 80-55-06
Material code: Code for rubber: V Bearing: Support bearing: Support bearing: Installation: Maximum ambient temperature: Maximum operating pressure: Max pressure at stated temp: Max pres	Impeller:	Stainless steel
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Support bearing: Installation: Maximum ambient temperature: Maximum operating pressure: Max pressure at stated temp: Type of connection: Size of inlet connection: DN 65 Size of outlet connection: Pressure rating for pipe connection: Ph 40 Flange size for motor: Connect code: F Liquid: Pumped liquid: Liquid temperature range: Selected liquid temperature: Density at selected liquid temperature: Density at selected liquid temperature: Motor standard: Motor type: IEC Motor type: IEG Rated power - P2: Pumped liquired by pump: The W Mains frequency: Maximum ambient temperature: 60 °C 0°C DIN Size of outlet connection: DN 65 PN 40 FF300 Connect code: F Liquid: Water Liquid temperature range: 20 °C Density at selected liquid temperature: 998.2 kg/m³ Electrical data: Motor standard: IEC Motor type: 160MB IE Efficiency class: Rated power - P2: 11 kW Power (P2) required by pump: 11 kW Mains frequency: 3 x 380-415D/660-690Y	Code for rubber:	V
Installation: Maximum ambient temperature: Maximum operating pressure: Max pressure at stated temp: 16 bar / 90 °C 16 bar / -20 °C Type of connection: DIN Size of inlet connection: DN 65 Size of outlet connection: PN 40 Flange size for motor: Connect code: F Liquid: Pumped liquid: Water Liquid temperature range: Selected liquid temperature: Density at selected liquid temperature: Motor standard: Motor type: IEC Motor type: IES Rated power - P2: PN 40 FISHOR SAR SAR SAR SAR SAR SAR SAR SAR SAR SA	Bearing:	SIC
Maximum ambient temperature: Maximum operating pressure: Max pressure at stated temp: 16 bar / 90 °C 16 bar / -20 °C Type of connection: DIN Size of inlet connection: DN 65 Size of outlet connection: Pressure rating for pipe connection: Flange size for motor: Connect code: F Liquid: Pumped liquid: Water Liquid temperature range: Selected liquid temperature: Density at selected liquid temperature: Motor standard: Motor type: IEC Motor type: 160MB IE Efficiency class: Rated power - P2: 11 kW Power (P2) required by pump: 11 kW Mains frequency: 3 x 380-415D/660-690Y	- · · ·	Graflon
Maximum operating pressure: Max pressure at stated temp: 16 bar / 90 °C 16 bar / -20 °C Type of connection: DIN Size of inlet connection: DN 65 Size of outlet connection: Pressure rating for pipe connection: PN 40 Flange size for motor: Connect code: F Liquid: Pumped liquid: Under temperature range: Selected liquid temperature: Density at selected liquid temperature: Motor standard: Motor standard: IEC Motor type: 160MB IE Efficiency class: Rated power - P2: Pumped liquid: IEC Motor (P2) required by pump: Mains frequency: 150 Hz	Installation:	
Max pressure at stated temp: 16 bar / 90 °C 16 bar / -20 °C Type of connection: DIN Size of inlet connection: DN 65 Size of outlet connection: Pressure rating for pipe connection: PN 40 Flange size for motor: Connect code: F Liquid: Pumped liquid: Uniquid temperature range: Selected liquid temperature: Density at selected liquid temperature: Density at selected liquid temperature: Motor standard: Motor standard: IEC Motor type: 160MB IE Efficiency class: Rated power - P2: 11 kW Power (P2) required by pump: 11 kW Mains frequency: 3 x 380-415D/660-690Y	Maximum ambient temperature:	60 °C
Type of connection: DIN Size of inlet connection: DN 65 Size of outlet connection: Pressure rating for pipe connection: PN 40 Flange size for motor: Connect code: F Liquid: Pumped liquid: Liquid temperature range: Selected liquid temperature: Density at selected liquid temperature: Petrical data: Motor standard: Motor type: IE Efficiency class: Rated power - P2: Power (P2) required by pump: 11 kW Mains frequency: DN 65 PN 40 FF300 Connect code: F Liquid: Power (P2) required by pump: DN 65 PN 40 Selection: PN 40 FF300 Connect code: F Liquid: Power (P2) required by pump: 11 kW Mains frequency: So Hz	· • • • • • • • • • • • • • • • • • • •	16 bar
Type of connection: Size of inlet connection: DN 65 Size of outlet connection: Pressure rating for pipe connection: PN 40 Flange size for motor: Connect code: F Liquid: Pumped liquid: Liquid temperature range: Selected liquid temperature: Density at selected liquid temperature: Electrical data: Motor standard: Motor type: IE Efficiency class: Rated power - P2: Power (P2) required by pump: TN 65 DN 65 DN 65 PN 40 Water F Liquid: PO °C 998.2 kg/m³ Electrical data: IEC Motor type: 160MB IE Efficiency class: Rated power - P2: 11 kW Power (P2) required by pump: 11 kW Mains frequency: SO HZ	Max pressure at stated temp:	16 bar / 90 °C
Size of inlet connection: Size of outlet connection: Pressure rating for pipe connection: PN 40 Flange size for motor: Connect code: F Liquid: Pumped liquid: Liquid temperature range: Selected liquid temperature: Density at selected liquid temperature: Peterrical data: Motor standard: Motor type: IEC Motor type: 160MB IE Efficiency class: Rated power - P2: Power (P2) required by pump: Mains frequency: DN 65 N 40 Water FF300 Water Liquid: Water 20 °C 998.2 kg/m³ IEC Motor type: 160MB IE 3 Rated power - P2: 11 kW Power (P2) required by pump: 11 kW Mains frequency: SO Hz		16 bar / -20 °C
Size of outlet connection: Pressure rating for pipe connection: Flange size for motor: Connect code: F Liquid: Pumped liquid: Liquid temperature range: Selected liquid temperature: Density at selected liquid temperature: Motor standard: Motor type: IEC Motor type: Rated power - P2: Power (P2) required by pump: Mains frequency: DN 65 PN 40 FF300 FC CO PO °C 20 °C 998.2 kg/m³ IEC Motor type: 160MB IE Efficiency class: Rated power - P2: 11 kW Power (P2) required by pump: 11 kW Mains frequency: SO Hz	Type of connection:	DIN
Pressure rating for pipe connection: Flange size for motor: Connect code: Liquid: Pumped liquid: Liquid temperature range: Selected liquid temperature: Density at selected liquid temperature: Electrical data: Motor standard: Motor type: 160MB IE Efficiency class: Rated power - P2: Power (P2) required by pump: Mains frequency: PN 40 FF300 FF300 FC Selected liquid: Water -20 90 °C 998.2 kg/m³ IEC 160MB IE Efficiency class: Rated power - P2: 11 kW Power (P2) required by pump: 11 kW	Size of inlet connection:	DN 65
Flange size for motor: Connect code: F Liquid: Pumped liquid: Liquid temperature range: Selected liquid temperature: Density at selected liquid temperature: Motor standard: Motor standard: IEC Motor type: 160MB IE Efficiency class: Rated power - P2: Power (P2) required by pump: Mains frequency: FF300 FF300 FF300 FF300 Water -20 90 °C 20 °C 998.2 kg/m³ IEC Motor type: 160MB IE Sfficiency class: Rated power - P2: 11 kW Power (P2) required by pump: 11 kW	Size of outlet connection:	DN 65
Connect code: Liquid: Pumped liquid: Liquid temperature range: Selected liquid temperature: Density at selected liquid temperature: Motor standard: Motor standard: IEC Motor type: IE Efficiency class: Rated power - P2: Power (P2) required by pump: Mains frequency: Swatch Also Power (P2) To Material Action (P2) To Material Action (P3) To Hz To Hz	Pressure rating for pipe connection:	PN 40
Liquid: Pumped liquid: Liquid temperature range: Selected liquid temperature: Density at selected liquid temperature: Electrical data: Motor standard: Motor type: IE Efficiency class: Rated power - P2: Power (P2) required by pump: Mains frequency: Water -20 90 °C 998.2 kg/m³ IEC 160MB IEC 160MB IE 3 Rated power - P2: 11 kW Power (P2) required by pump: 11 kW Mains frequency: 3 x 380-415D/660-690Y	Flange size for motor:	FF300
Pumped liquid: Water Liquid temperature range: -20 90 °C Selected liquid temperature: 20 °C Density at selected liquid temperature: 998.2 kg/m³ Electrical data: Motor standard: IEC Motor type: 160MB IE Efficiency class: IE3 Rated power - P2: 11 kW Power (P2) required by pump: 11 kW Mains frequency: 50 Hz	Connect code:	F
Liquid temperature range: Selected liquid temperature: Density at selected liquid temperature: Electrical data: Motor standard: Motor type: 160MB IE Efficiency class: Rated power - P2: Power (P2) required by pump: Mains frequency: 10 °C 998.2 kg/m³ IEC 160MB 11 LEC 11 kW 11 kW 11 kW 11 kW 11 kW 11 kW	Liquid:	
Selected liquid temperature: 20 °C Density at selected liquid temperature: 998.2 kg/m³ Electrical data: Motor standard: IEC Motor type: 160MB IE Efficiency class: IE3 Rated power - P2: 11 kW Power (P2) required by pump: 11 kW Mains frequency: 50 Hz	Pumped liquid:	Water
Density at selected liquid temperature: 998.2 kg/m³ Electrical data: Motor standard: IEC Motor type: 160MB IE Efficiency class: IE3 Rated power - P2: 11 kW Power (P2) required by pump: 11 kW Mains frequency: 50 Hz	Liquid temperature range:	-20 90 °C
Electrical data: Motor standard: IEC Motor type: 160MB IE Efficiency class: IE3 Rated power - P2: 11 kW Power (P2) required by pump: 11 kW Mains frequency: 50 Hz		20 °C
Motor standard: IEC Motor type: 160MB IE Efficiency class: IE3 Rated power - P2: 11 kW Power (P2) required by pump: 11 kW Mains frequency: 50 Hz	Density at selected liquid temperature:	998.2 kg/m³
Motor type: 160MB IE Efficiency class: IE3 Rated power - P2: 11 kW Power (P2) required by pump: 11 kW Mains frequency: 50 Hz	Electrical data:	
IE Efficiency class: Rated power - P2: 11 kW Power (P2) required by pump: 11 kW Mains frequency: 50 Hz	Motor standard:	IEC
Rated power - P2: 11 kW Power (P2) required by pump: 11 kW Mains frequency: 50 Hz 3 x 380-415D/660-690Y	Motor type:	
Power (P2) required by pump: 11 kW Mains frequency: 50 Hz 3 x 380-415D/660-690Y	IE Efficiency class:	IE3
Mains frequency: 50 Hz	Rated power - P2:	11 kW
3 x 380-415D/660-690Y	Power (P2) required by pump:	11 kW
Rated voltage: 3 x 380-415D/660-690Y V	Mains frequency:	50 Hz
	Rated voltage:	3 x 380-415D/660-690Y V





Date: 08/05/2019

Description	Value
Rated current:	20,8-19,8/12,0-11,8 A
Starting current:	660-780 %
Cos phi - power factor:	0.88-0.84
Rated speed:	2940-2950 rpm
Efficiency:	IE3 91,2%
Motor efficiency at full load:	91.2-91.2 %
Motor efficiency at 3/4 load:	91.8 %
Motor efficiency at 1/2 load:	91.3 %
Number of poles:	2
Enclosure class (IEC 34-5):	55 Dust/Jetting
Insulation class (IEC 85):	F
Motor protec:	PTC
Motor No:	85U17524
Controls:	
Frequency converter:	NONE
Others:	
Minimum efficiency index, MEI ≥:	0.70
Net weight:	158 kg
Gross weight:	191 kg
Shipping volume:	0.495 m ³
Country of origin:	GB
Custom tariff no.:	84137075