
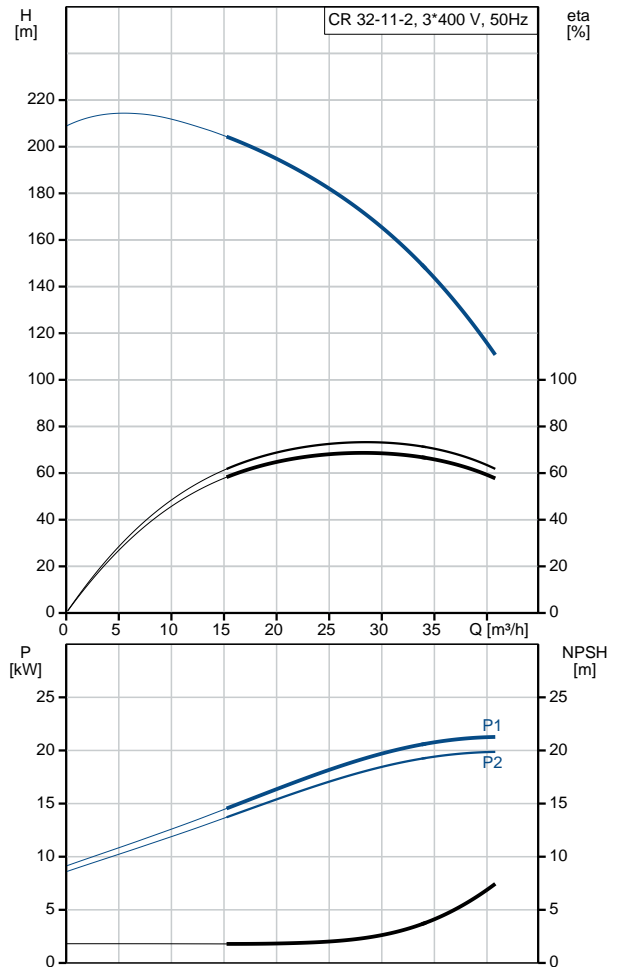


Qty.	Description
1	<p data-bbox="199 338 507 369"><b>CR 32-11-2A-F-A-V-HQQV</b></p> <div data-bbox="363 405 459 846" style="text-align: center;">  </div> <p data-bbox="592 846 1077 873" style="text-align: center;"><b>Note! Product picture may differ from actual product</b></p> <p data-bbox="199 880 469 907">Product No.: <a href="#">96122054</a></p> <p data-bbox="199 938 1455 1041">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.</p> <p data-bbox="199 1079 936 1108">The pump is fitted with a 3-phase, fan-cooled asynchronous motor.</p> <p data-bbox="199 1140 319 1167"><b>Controls:</b></p> <p data-bbox="199 1169 638 1198">Frequency converter:                    NONE</p> <p data-bbox="199 1229 287 1256"><b>Liquid:</b></p> <p data-bbox="199 1258 638 1288">Pumped liquid:                            Water</p> <p data-bbox="199 1290 694 1319">Liquid temperature range:            -20 .. 90 °C</p> <p data-bbox="199 1321 630 1350">Selected liquid temperature:        20 °C</p> <p data-bbox="199 1352 778 1382">Density at selected liquid temperature: 998.2 kg/m<sup>3</sup></p> <p data-bbox="199 1413 327 1440"><b>Technical:</b></p> <p data-bbox="199 1442 821 1471">Pump speed on which pump data are based: 2947 rpm</p> <p data-bbox="199 1473 654 1503">Rated flow:                                30 m<sup>3</sup>/h</p> <p data-bbox="199 1505 654 1534">Rated head:                                162.8 m</p> <p data-bbox="199 1536 654 1565">Pump orientation:                        Vertical</p> <p data-bbox="199 1568 638 1597">Shaft seal arrangement:               Single</p> <p data-bbox="199 1599 638 1628">Code for shaft seal:                     HQQV</p> <p data-bbox="199 1630 670 1659">Approvals on nameplate:              CE, EAC</p> <p data-bbox="199 1662 766 1691">Curve tolerance:                         ISO9906:2012 3B</p> <p data-bbox="199 1722 319 1749"><b>Materials:</b></p> <p data-bbox="199 1751 837 1825">Base:                                        Cast iron EN 1563 EN-GJS-500-7 ASTM A536 80-55-06</p> <p data-bbox="199 1827 726 1904">Impeller:                                  Stainless steel EN 1.4301 AISI 304</p> <p data-bbox="199 1906 614 1935">Bearing:                                    SIC</p> <p data-bbox="199 1937 646 1966">Support bearing:                         Graflon</p> <p data-bbox="199 1998 343 2024"><b>Installation:</b></p> <p data-bbox="199 2027 630 2056">Maximum ambient temperature: 60 °C</p> <p data-bbox="199 2058 638 2087">Maximum operating pressure: 30 bar</p>

Qty.	Description
	<p>Max pressure at stated temp: 30 bar / 90 °C 30 bar / -20 °C</p> <p>Type of connection: DIN</p> <p>Size of inlet connection: DN 65</p> <p>Size of outlet connection: DN 65</p> <p>Pressure rating for pipe connection: PN 40</p> <p>Flange size for motor: FF300</p> <p><b>Electrical data:</b></p> <p>Motor standard: IEC</p> <p>Motor type: 180MB</p> <p>IE Efficiency class: IE3</p> <p>Rated power - P2: 22 kW</p> <p>Power (P2) required by pump: 22 kW</p> <p>Mains frequency: 50 Hz</p> <p>Rated voltage: 3 x 380-415D/660-690Y V</p> <p>Rated current: 39.5/22.8 A</p> <p>Starting current: 830 %</p> <p>Cos phi - power factor: 0.90-0.90</p> <p>Rated speed: 2950 rpm</p> <p>Efficiency: IE3 92,7%</p> <p>Motor efficiency at full load: 92.7-92.7 %</p> <p>Motor efficiency at 3/4 load: 93.7 %</p> <p>Motor efficiency at 1/2 load: 94.4 %</p> <p>Number of poles: 2</p> <p>Enclosure class (IEC 34-5): 55 Dust/Jetting</p> <p>Insulation class (IEC 85): F</p> <p>Motor No: 85U17530</p> <p><b>Others:</b></p> <p>Minimum efficiency index, MEI <math>\hat{\alpha}\%</math>: 0.70</p> <p>Net weight: 220 kg</p> <p>Gross weight: 265 kg</p> <p>Shipping volume: 0.808 m<sup>3</sup></p> <p>Country of origin: GB</p> <p>Custom tariff no.: 84137075</p>

Description	Value
<b>General information:</b>	
Product name:	CR 32-11-2A-F-A-V-HQQV
Product No:	96122054
EAN number:	5700396680989
<b>Technical:</b>	
Pump speed on which pump data are based:	2947 rpm
Rated flow:	30 m <sup>3</sup> /h
Rated head:	162.8 m
Head max:	206.9 m
Stages:	11
Impellers:	11
Number of reduced-diameter impellers:	2
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
<b>Materials:</b>	
Base:	Cast iron EN 1563 EN-GJS-500-7
Impeller:	ASTM A536 80-55-06 Stainless steel EN 1.4301 AISI 304
Material code:	A
Code for rubber:	V
Bearing:	SIC
Support bearing:	Graflon
<b>Installation:</b>	
Maximum ambient temperature:	60 °C
Maximum operating pressure:	30 bar
Max pressure at stated temp:	30 bar / 90 °C 30 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
<b>Liquid:</b>	
Pumped liquid:	Water
Liquid temperature range:	-20 .. 90 °C
Selected liquid temperature:	20 °C
Density at selected liquid temperature:	998.2 kg/m <sup>3</sup>
<b>Electrical data:</b>	
Motor standard:	IEC
Motor type:	180MB
IE Efficiency class:	IE3
Rated power - P2:	22 kW
Power (P2) required by pump:	22 kW
Mains frequency:	50 Hz
Rated voltage:	3 x 380-415D/660-690Y V





Company name:

Created by:

Phone:

Date:

08/05/2019

Description	Value
Rated current:	39.5/22.8 A
Starting current:	830 %
Cos phi - power factor:	0.90-0.90
Rated speed:	2950 rpm
Efficiency:	IE3 92,7%
Motor efficiency at full load:	92.7-92.7 %
Motor efficiency at 3/4 load:	93.7 %
Motor efficiency at 1/2 load:	94.4 %
Number of poles:	2
Enclosure class (IEC 34-5):	55 Dust/Jetting
Insulation class (IEC 85):	F
Motor protec:	PTC
Motor No:	85U17530
<b>Controls:</b>	
Frequency converter:	NONE
<b>Others:</b>	
Minimum efficiency index, MEI $\eta_{min}$ :	0.70
Net weight:	220 kg
Gross weight:	265 kg
Shipping volume:	0.808 m <sup>3</sup>
Country of origin:	GB
Custom tariff no.:	84137075