
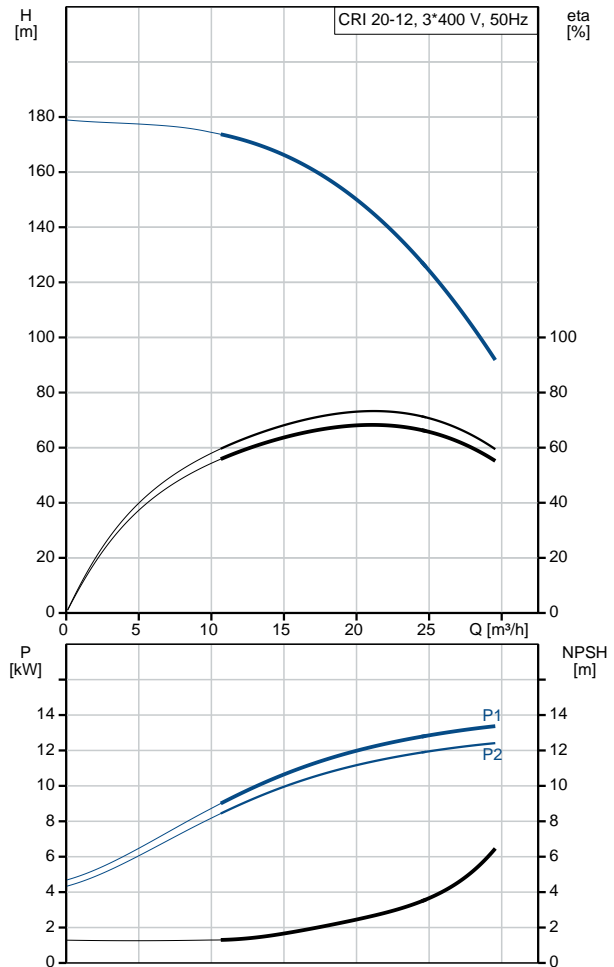


Qty.	Description
1	<p data-bbox="199 338 523 367">CRI 20-12A-FGJ-A-V-HQQV</p>  <p data-bbox="199 660 469 689">Product No.: 96500616</p> <p data-bbox="199 719 1449 822">Vertical, multistage centrifugal pump with inlet and outlet ports on same the level (inline). Pump materials in contact with the liquid 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 combined DIN-ANSI-JIS flanges.</p> <p data-bbox="199 862 935 891">The pump is fitted with a 3-phase, fan-cooled asynchronous motor.</p> <p data-bbox="199 920 316 949">Controls:</p> <p data-bbox="199 952 638 981">Frequency converter: NONE</p> <p data-bbox="199 1010 288 1039">Liquid:</p> <p data-bbox="199 1041 638 1070">Pumped liquid: Water</p> <p data-bbox="199 1072 694 1102">Liquid temperature range: -20 .. 90 °C</p> <p data-bbox="199 1104 630 1133">Selected liquid temperature: 20 °C</p> <p data-bbox="199 1135 778 1164">Density at selected liquid temperature: 998.2 kg/m³</p> <p data-bbox="199 1193 328 1223">Technical:</p> <p data-bbox="199 1225 821 1254">Pump speed on which pump data are based: 2923 rpm</p> <p data-bbox="199 1256 651 1285">Rated flow: 21 m³/h</p> <p data-bbox="199 1288 657 1317">Rated head: 142.7 m</p> <p data-bbox="199 1319 651 1348">Pump orientation: Vertical</p> <p data-bbox="199 1350 638 1379">Shaft seal arrangement: Single</p> <p data-bbox="199 1382 638 1411">Code for shaft seal: HQQV</p> <p data-bbox="199 1413 667 1442">Approvals on nameplate: CE, EAC</p> <p data-bbox="199 1444 762 1473">Curve tolerance: ISO9906:2012 3B</p> <p data-bbox="199 1503 320 1532">Materials:</p> <p data-bbox="199 1534 727 1603">Base: Stainless steel EN 1.4408 AISI 316</p> <p data-bbox="199 1606 727 1697">Impeller: Stainless steel EN 1.4301 AISI 304</p> <p data-bbox="199 1700 608 1729">Bearing: SIC</p> <p data-bbox="199 1758 344 1787">Installation:</p> <p data-bbox="199 1789 630 1818">Maximum ambient temperature: 60 °C</p> <p data-bbox="199 1821 638 1850">Maximum operating pressure: 25 bar</p> <p data-bbox="199 1852 734 1881">Max pressure at stated temp: 25 bar / 90 °C</p> <p data-bbox="199 1883 734 1912">25 bar / -20 °C</p> <p data-bbox="199 1915 743 1944">Type of connection: DIN / ANSI / JIS</p> <p data-bbox="199 1946 638 1975">Size of inlet connection: DN 50</p> <p data-bbox="199 1977 638 2007">2 inch</p> <p data-bbox="199 2009 638 2038">Size of outlet connection: DN 50</p> <p data-bbox="199 2040 638 2069">2 inch</p> <p data-bbox="199 2072 686 2101">Pressure rating for pipe connection: PN 25</p> <p data-bbox="199 2103 638 2132">Flange rating inlet: 300 lb</p>

Qty.	Description
	<p>Flange size for motor: FF300</p> <p>Electrical data:</p> <p>Motor standard: IEC</p> <p>Motor type: 160MD</p> <p>IE Efficiency class: IE3</p> <p>Rated power - P2: 15 kW</p> <p>Power (P2) required by pump: 15 kW</p> <p>Mains frequency: 50 Hz</p> <p>Rated voltage: 3 x 380-415D/660-690Y V</p> <p>Rated current: 28,0-26,0/16,2-15,6 A</p> <p>Starting current: 660-780 %</p> <p>Cos phi - power factor: 0.89-0.87</p> <p>Rated speed: 2930-2950 rpm</p> <p>Efficiency: IE3 91,9%</p> <p>Motor efficiency at full load: 91.9-91.9 %</p> <p>Motor efficiency at 3/4 load: 92.4 %</p> <p>Motor efficiency at 1/2 load: 92.4 %</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: 85U17526</p> <p>Others:</p> <p>Minimum efficiency index, MEI $\hat{\alpha}\%$: 0.70</p> <p>Net weight: 162 kg</p> <p>Gross weight: 190 kg</p> <p>Shipping volume: 0.488 m³</p> <p>Country of origin: GB</p> <p>Custom tariff no.: 84137075</p>

Description	Value
General information:	
Product name:	CRI 20-12A-FGJ-A-V-HQQV
Product No:	96500616
EAN number:	5700396205380
Technical:	
Pump speed on which pump data are based:	2923 rpm
Rated flow:	21 m ³ /h
Rated head:	142.7 m
Head max:	178 m
Stages:	12
Impellers:	12
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:	A
Materials:	
Base:	Stainless steel EN 1.4408 AISI 316
Impeller:	Stainless steel EN 1.4301 AISI 304
Material code:	A
Code for rubber:	V
Bearing:	SIC
Installation:	
Maximum ambient temperature:	60 °C
Maximum operating pressure:	25 bar
Max pressure at stated temp:	25 bar / 90 °C 25 bar / -20 °C
Type of connection:	DIN / ANSI / JIS
Size of inlet connection:	DN 50 2 inch
Size of outlet connection:	DN 50 2 inch
Pressure rating for pipe connection:	PN 25
Flange rating inlet:	300 lb
Flange size for motor:	FF300
Connect code:	FGJ
Liquid:	
Pumped liquid:	Water
Liquid temperature range:	-20 .. 90 °C
Selected liquid temperature:	20 °C
Density at selected liquid temperature:	998.2 kg/m ³
Electrical data:	
Motor standard:	IEC
Motor type:	160MD
IE Efficiency class:	IE3
Rated power - P2:	15 kW
Power (P2) required by pump:	15 kW
Mains frequency:	50 Hz





Company name:

Created by:

Phone:

Date:

07/05/2019

Description	Value
Rated voltage:	3 x 380-415D/660-690Y V
Rated current:	28,0-26,0/16,2-15,6 A
Starting current:	660-780 %
Cos phi - power factor:	0.89-0.87
Rated speed:	2930-2950 rpm
Efficiency:	IE3 91,9%
Motor efficiency at full load:	91.9-91.9 %
Motor efficiency at 3/4 load:	92.4 %
Motor efficiency at 1/2 load:	92.4 %
Number of poles:	2
Enclosure class (IEC 34-5):	55 Dust/Jetting
Insulation class (IEC 85):	F
Motor protec:	PTC
Motor No:	85U17526
Controls:	
Frequency converter:	NONE
Others:	
Minimum efficiency index, MEI $\hat{a}\%$ ¥:	0.70
Net weight:	162 kg
Gross weight:	190 kg
Shipping volume:	0.488 m ³
Country of origin:	GB
Custom tariff no.:	84137075