

RENTAL BOOKLET



GRUNDFOS RENTAL SERVICES

Grundfos Rentals is a simple, innovative service solution for your pumping system. This exible solution can be tailored to suit any requirements and consists of a short or long-term rental contract. Contract's monthly rental fee covers renting the product plus any add-on services you need.

This solution means that Grundfos bears the cost of the purchase and maintenance of your pumping system in exchange for a fixed monthly fee.



Costs are limited

A fixed monthly fee replaces a costly initial investment and gives peace of mind. You know in advance exactly how much your system will cost. No surprises.

Extended warranty and repairs

The product warranty will be extended for the length of the rental contract. If you choose the full service option, any repairs required over time will also be carried out free of charge.



Automatic upgrade of your pumping system

At the end of the rental contract, the products can be replaced with the latest high-performance models on the market.



Top performance and reliability

Keeeping your system running at its optimal level means high productivity and the lowest possible energy consumption.

AN AGREEMENT YOU CAN COUNT ON

PUMP SOLUTIONS TAILORED FOR YOU

FISCAL AND OPERATIONAL BENEFITS

The products remain the property of Grundfos and therefore are not registered as assets, meaning no allocation of depreciation costs. The monthly rental fees are wholly tax-deductible for the entire length of the contract.

- No large initial investment up front Easier to plan cash ow
- No hidden costs, no costly surprises
- No need to train maintenance engineers
- Onsite technical support available on demand Remote monitoring solutions save time and money
- The most energy-efficient solutions on the market
- Save energy and water without the need for capital investment (CAPEX)
- Energy audits carried out by Grundfos experts identify where further energy savings can be made

FLEXIBLE SOLUTION

The contract can be customised to your needs, whatever they may be – length of contract, services required, optional add-ons At the end of the rental contract you can choose whether to:

- Set up a new contract and upgrade your pumping system with the latest Grundfos solutions
- Extend the pump partnering contract at agreed preferential conditions
- Return the products to us
- Buy the products for a fair price, agreed in advance

KEEP TRACK

Grundfos Remote Management (GRM)

One of our most popular Premium services offered

as part of a Pump Partnering contract is a GRM remote monitoring system. It will update you on your computer, tablet or smartphone in real time with performance data from all your pumping systems and notify you of any warnings or alarms.

Domestic Water Supply



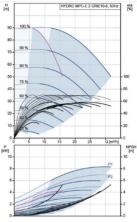
Product No.: 95922852 Hydro Multi-S with 3 CR5-10 pumps

Description	Value	H [m]	Hydro Multi-S G 3CR5-10 3x400/50h
General information:		75-	
Product name:	Hydro Multi-S G 3CR5-10 3x400/50hz,PE	70-	
Product No:	95922852	65-	
EAN number:	5700838994940	60-	
Technical:		55 -	
Min flow system:	2.5 m ³ /h	50-	
Max flow system:	24 m³/h	45-	
Head max:	67.7 m	40-	
Pump name:	CR5-10	35-	
Number of pumps:	3	30-	
Materials:		25-	
Manifolds:	Galvanised	20-	
Installation:		15-	
Maximum operating pressure:	10 bar	5	
Maximum inlet pressure:	2 bar	and the second se	
Flange standard:	DIN 2999-1	0	5 10 15 20
Pipe connection:	R2	(kw)	
Liquid:			
Pumped liquid:	Water	5-	
Liquid temperature range:	570 °C	4	
Liquid temperature during operation:	20 °C	1	
Density:	998.2 kg/m ³	3-	17
Electrical data:		2-	FIX
Mains frequency:	50 Hz	1-	
Rated voltage:	3 x 400,50hz,PE V		
Rated current:	9.45 A		
Enclosure class (IEC 34-5):	IP54		
Others:			
Net weight:	137 kg		
Gross weight:	162 kg		
Language:	GB		



Product No.: 95009106 HYDRO MPC-E 2 CRIE10-6

Description	Value
General information:	
Product name:	HYDRO MPC-E 2 CRIE10-6
Product No:	95009106
EAN number:	5700835167279
Technical: Min flow system:	12 m³/h
Max flow:	31 m³/h
Max flow system: Head max:	18 m³/h
	89 m
Impellers main:	•
Main pump name:	CRIE10-6
Main pump No:	96747798
Number of pumps:	2
Non-ret. valve:	at discharge side
Materials:	
Manifolds:	EN/DIN 1.4571/ AISI 316 TI
Installation:	
Installation: Maximum operating pressure:	16 bar
Maximum inlet pressure:	7.1 bar
Manifold inlet:	R 2 1/2"
Manifold utlet:	R 2 1/2"
Pressure stage:	R 2 1/2" PN16
Earth connectio:	PRID
System design:	A
Liquid:	
Pumped liquid:	Water
Liquid temperature range:	5 60 °C
Liquid temperature during operation:	20 °C
Density:	998.2 kg/m³
Electrical data:	
Power (P2) main pump:	4 kW
Mains frequency:	50 Hz
Rated voltage:	3 x 380-415 V
Starting main:	electronically
Rated current of system:	7.8 A
Start. method:	electronically
Enclosure class (IEC 34-5):	IP54
Size of cable for main pump:	L1,L2,L3,PE: 4x2.5-4 mm2
Radio interference supression:	EMC
Radio Interference supression:	DIRECTIVE(2014/30/EU)
O	
Controls: Control type:	E
	_
Speed control:	Grundfos MGE 3 phase
Tank:	
Diaphragm tank:	No
Others:	
Net weight:	212 kg
Gross weight:	252 kg
Product range:	International
	International 98271946



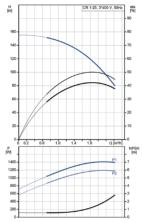
Domestic Water Supply



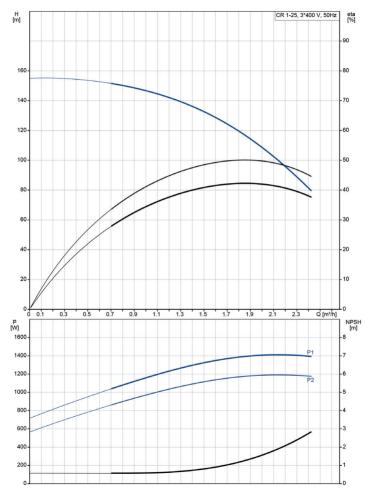


Product No.: 96516255 CR 1-25 A-FGJ-A-E-HQQE

Description	Value
General information:	
Product name:	CR 1-25 A-FGJ-A-E-HQQE
Product No:	96516255
EAN number:	5700396739557
Technical:	
Speed for pump data:	2896 rpm
Rated flow:	1.8 m³/h
Rated head:	119.6 m
Head max:	155.9 m
Impellers:	25
Primary shaft seal:	HQQE
Approvals on nameplate:	CE.TR
Curve tolerance:	ISO9906:2012 3B
Pump type:	CR 1
Stages:	25
Pump version:	A
Model:	A
Materials:	
Pump housing:	Cast iron
	EN-JL1030
	ASTM A48-30 B
Impeller:	Stainless steel
	DIN WNr. 1.4301
	AISI 304
Material code:	A
Code for rubber:	E
Bush material:	NONE
Installation:	
Maximum ambient temperature:	60 °C
Max pressure at stated temp:	25 bar / 120 °C
	25 bar / -20 °C
Flange standard:	DIN
Connect code:	FGJ
Pipe connection:	DN 25 / DN 32
Pressure stage:	PN 16 / PN 25
Flange size for motor:	FT115
Liquid:	
Pumped liquid:	Water
Liquid temperature range:	-20 120 °C
Liquid temperature during operation:	20 °C
Density:	998.2 kg/m³
Electrical data:	
Motor type:	90SB
IE Efficiency class:	IE3
Rated power - P2:	1.5 kW
Power (P2) required by pump:	1.5 kW
Mains frequency:	50 Hz
Rated voltage:	3 x 220-240D/380-415Y V
Rated current:	5.45/3.15 A
Starting current:	850-930 %
Cos phi - power factor:	0.87-0.82
Rated speed:	2890-2910 rpm
Efficiency:	IE3 84.2%



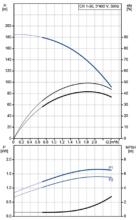
96516255 CR 1-25 50 Hz



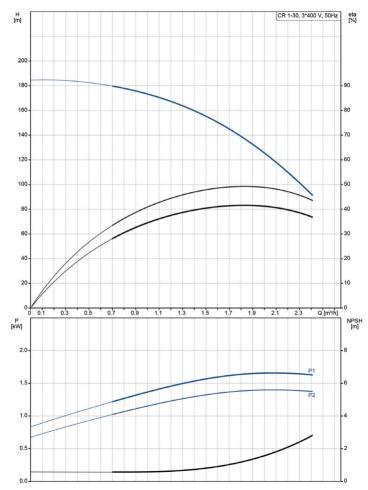


Product No.: 96516257 CR 1-30 A-FGJ-A-E-HQQE

Description	Value
General information:	
Product name:	CR 1-30 A-FGJ-A-E-HQQE
Product No:	96516257
EAN number:	5700396739595
Technical:	
Speed for pump data:	2896 rpm
Rated flow:	1.8 m³/h
Rated head:	141.2 m
Head max:	186 m
Impellers:	30
Primary shaft seal:	HQQE
Approvals on nameplate:	CE,TR
Curve tolerance:	ISO9906:2012 3B
Pump type:	CR 1
Stages:	30
Pump version:	A
Model:	A
Materials:	
Pump housing:	Cast iron
	EN-JL1030
	ASTM A48-30 B
Impeller:	Stainless steel
	DIN WNr. 1.4301
	AISI 304
Material code:	A
Code for rubber:	E
Bush material:	NONE
Installation:	
Maximum ambient temperature:	60 °C
Max pressure at stated temp:	25 bar / 120 °C
	25 bar / -20 °C
Flange standard:	DIN
Connect code:	FGJ
Pipe connection:	DN 25 / DN 32
Pressure stage:	PN 16 / PN 25
Flange size for motor:	FT115
Liquid:	
Pumped liquid:	Water
Liquid temperature range:	-20 120 °C
Liquid temperature during operation:	20 °C
Density:	998.2 kg/m3
Electrical data:	
Electrical data: Notor type:	90SB
E Efficiency class:	IE3
Rated power - P2:	1.5 kW
	1.5 kW
Power (P2) required by pump:	
Mains frequency:	50 Hz 3 x 220-240D/380-415Y V
Power (P2) required by pump: Mains frequency: Rated voltage: Rated current:	3 x 220-240D/380-415Y V
Mains frequency: Rated voltage: Rated current:	3 x 220-240D/380-415Y V 5,45/3,15 A
Mains frequency: Rated voltage: Rated current: Starting current:	3 x 220-240D/380-415Y V 5,45/3,15 A 850-930 %
Mains frequency: Rated voltage: Rated current: Starting current: Cos phi - power factor:	3 x 220-240D/380-415Y V 5,45/3,15 A 850-930 % 0,87-0,82
Mains frequency: Rated voltage: Rated current: Starting current:	3 x 220-240D/380-415Y V 5,45/3,15 A 850-930 %



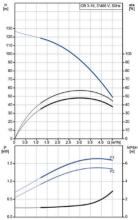
96516257 CR 1-30 50 Hz



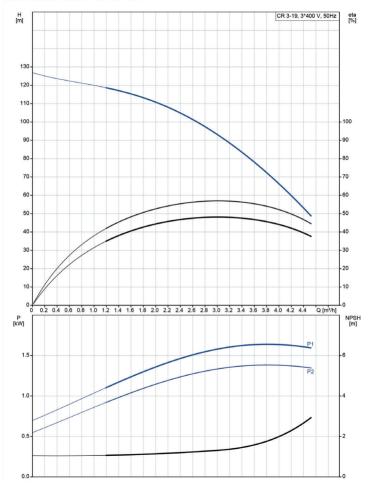


Product No.: 96516663 CR 3-19 A-FGJ-A-E-HQQE

Description	Value	 [r
General information:		
Product name:	CR 3-19 A-FGJ-A-E-HQQE	
Product No:	96516663	
EAN number:	5700396747491	
Technical:		
Speed for pump data:	2896 rpm	
Rated flow:	3 m³/h	
Rated head:	92.5 m	
Head max:	125.8 m	
Impellers:	19	
Primary shaft seal:	HQQE	
Approvals on nameplate:	CE,TR	
Curve tolerance:	ISO9906:2012 3B	
Pump type:	CR 3	
Stages:	19	
Pump version:	A	
Model:	A	
Materials:		
Pump housing:	Cast iron	R
	EN-JL1030	[K
	ASTM A48-30 B	
Impeller:	Stainless steel	
in ponon.	DIN WNr. 1.4301	
	AISI 304	
Material code:	A	
Code for rubber:	E	
Bush material:	NONE	
Bush material:	NONE	
Installation:		
Maximum ambient temperature:	60 °C	
Max pressure at stated temp:	25 bar / 120 °C	
	25 bar / -20 °C	
Flance standard:	DIN	
Connect code:	FGJ	
Pipe connection:	DN 25 / DN 32	
Pressure stage:	PN 16 / PN 25	
Flange size for motor:	FT115	
range size for motor.		
Liquid:		
Pumped liquid:	Water	
Liquid temperature range:	-20 120 °C	
Liquid temperature during operation:	20 °C	
Density:	998.2 kg/m ^a	
Electrical data:		
	0000	
Motor type:	90SB	
IE Efficiency class:	IE3	
Rated power - P2:	1.5 kW	
Power (P2) required by pump:	1.5 kW	
Mains frequency:	50 Hz	
Rated voltage:	3 x 220-240D/380-415Y V	
Rated current:	5,45/3,15 A	
Starting current:	850-930 %	
Cos phi - power factor:	0,87-0,82	
	2890-2910 rpm	
Rated speed:	2090-29 10 Ipili	
Rated speed: Efficiency:	IE3 84,2%	



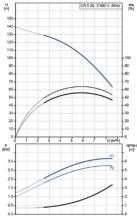
96516663 CR 3-19 50 Hz



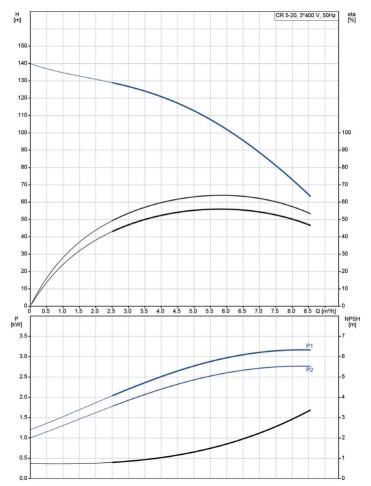


Product No.: 96517052 CR 5-20 A-FGJ-A-E-HQQE

Description	Value
General information:	
Product name:	CR 5-20 A-FGJ-A-E-HQQE
Product No:	96517052
EAN number:	5700396755267
Technical:	
Speed for pump data:	2902 rpm
Rated flow:	5.8 m³/h
Rated head:	102.9 m
Head max:	136.1 m
Impellers:	20
Primary shaft seal:	HQQE
Approvals on nameplate:	CE.TR
Curve tolerance:	ISO9906:2012 3B
Pump type:	CR 5
	20
Stages:	
Pump version:	A
Model:	A
Materials:	
Pump housing:	Cast iron
	EN-JL1030
	ASTM A48-30 B
mpeller:	Stainless steel
	DIN WNr. 1.4301
	AISI 304
Material code:	A
Code for rubber:	E
Bush material:	NONE
nstallation:	
Maximum ambient temperature:	60 °C
Max pressure at stated temp:	25 bar / 120 °C
hax pressure at stated temp.	25 bar / -20 °C
Flange standard:	DIN
Connect code:	FGJ
Pipe connection:	DN 25 / DN 32
Pressure stage:	PN 16 / PN 25
Pressure stage: Flange size for motor:	FT130
nange size for motor.	F1130
Liquid:	
Pumped liquid:	Water
Liquid temperature range:	-20 120 °C
Liquid temperature during operation:	20 °C
Density:	998.2 kg/m³
Electrical data:	
Motor type:	100LC
E Efficiency class:	IE3
Rated power - P2:	3 kW
Power (P2) required by pump:	3 kW
	50 Hz
Mains frequency:	
Rated voltage:	3 x 220-240D/380-415Y V
Rated current:	11,0/6,30 A
Starting current:	840-920 %
	0.87-0.82
Rated speed:	2900-2920 rpm
Cos phi - power factor: Rated speed: Efficiency: Motor efficiency at full load:	



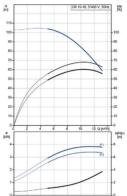
96517052 CR 5-20 50 Hz



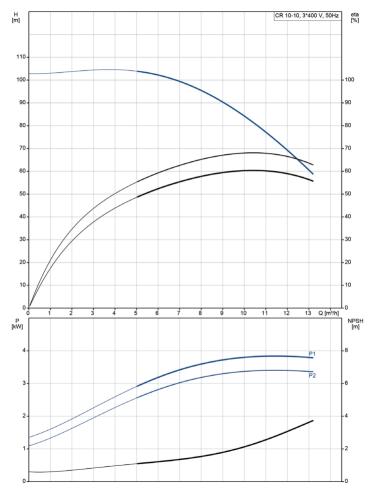


Product No.: 96500972 CR 10-10 A-FJ-A-E-HQQE

Description	Value
General information:	
Product name:	CR 10-10 A-FJ-A-E-HQQE
Product No:	96500972
EAN number:	5700396212791
Technical:	
Speed for pump data:	2917 rpm
Rated flow:	10 m³/h
Rated head:	81.6 m
Head max:	102 m
Impellers;	10
Primary shaft seal:	HQQE
Approvals on nameplate:	CE,TR
Curve tolerance:	ISO9906:2012 3B
Pump type:	CR 10
Stages:	10
Pump version:	A
Model:	A
Materials:	
Pump housing:	Cast iron
	EN-JL1030
	ASTM A48-30 B
Impeller:	Stainless steel
	DIN WNr. 1.4301
	AISI 304
Material code:	A
Code for rubber:	E
Bush material:	NONE
installation:	
Maximum ambient temperature:	60 °C
Max pressure at stated temp:	16 bar / 120 °C
	16 bar / -20 °C
Flange standard:	DIN
Connect code:	FJ
Pipe connection:	DN 40
Pressure stage:	PN 16
Flange size for motor:	FT130
Liquid:	
Pumped liquid:	Water
Liquid temperature range:	-20 120 °C
Liquid temperature during operation:	20 °C
Density:	998.2 kg/m³
Electrical data:	
Motor type:	112MC
E Efficiency class:	IF3
Rated power - P2:	4 kW
Power (P2) required by pump:	4 kW
Mains frequency:	50 Hz
Rated voltage:	3 x 220-240D/380-415Y V
Rated current	13.6/7.90 A
Starting current:	1000-1110 %
	0.87-0.87
	2020 2040 mm
Cos phi - power factor: Rated speed: Efficiency:	2920-2940 rpm IE3 88.1%



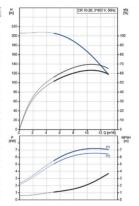
96500972 CR 10-10 50 Hz



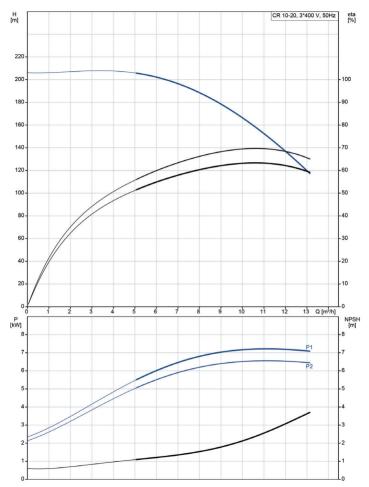


Product No.: 96501224 CR 10-20 A-FJ-A-E-HQQE

Description	Value
General information:	
Product name:	CR 10-20 A-FJ-A-E-HQQE
Product No:	96501224
EAN number:	5700396217833
Technical:	
Speed for pump data:	2919 rpm
Rated flow;	10 m³/h
Rated head:	165.2 m
Head max:	205 m
Impellers:	20
Primary shaft seal:	HQQE
Approvals on nameplate:	CE,TR
Curve tolerance:	ISO9906:2012 3B
Pump type:	CR 10
Stages:	20
Pump version:	A
Model:	A
Materials:	
Pump housing:	Cast iron
	EN-JL1030
	ASTM A48-30 B
Impeller:	Stainless steel
	DIN WNr. 1.4301
	AISI 304
Material code:	A
Code for rubber:	E
Bush material:	NONE
Installation:	
Maximum ambient temperature:	60 °C
Max pressure at stated temp:	25 bar / 120 °C
	25 bar / -20 °C
Flange standard:	DIN
Connect code:	FJ
Pipe connection:	DN 40
Pressure stage:	PN 25
Flange size for motor:	FF265
Liquid:	
Pumped liquid:	Water
Liquid temperature range:	-20 120 °C
Liquid temperature during operation:	20 °C
Density:	998.2 kg/m ³
Electrical data:	
Motor type:	132SB
IE Efficiency class:	IE3
Rated power - P2:	7.5 kW
Power (P2) required by pump:	7.5 kW
Mains frequency:	50 Hz
Rated voltage:	3 x 380-415D/660-690Y V
Rated current:	14,4-14,0/8,30-8,10 A
	780-910 %
	0,88-0,82
Cos phi - power factor: Rated speed:	2910-2920 rpm
Starting current: Cos phi - power factor: Rated speed: Efficiency:	



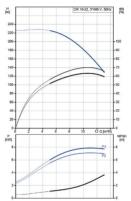
96501224 CR 10-20 50 Hz



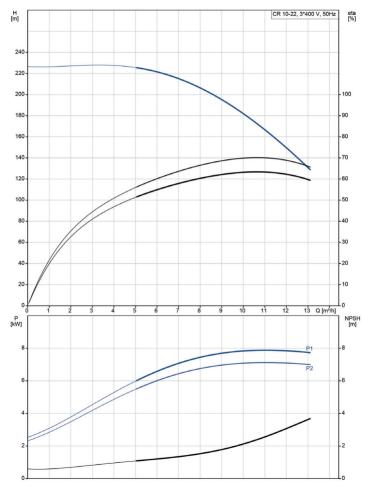


Product No.: 96501225 CR 10-22 A-FJ-A-E-HQQE

Description	Value
General information:	
Product name:	CR 10-22 A-FJ-A-E-HQQE
Product No:	96501225
EAN number:	5700396217857
Technical:	
Speed for pump data:	2919 rpm
Rated flow;	10 m³/h
Rated head:	180.6 m
Head max:	225 m
Impellers:	22
Primary shaft seal:	HQQE
Approvals on nameplate:	CE.TR
Curve tolerance:	ISO9906:2012 3B
Pump type:	CR 10
Stages:	22
Pump version:	A
Model:	A
Materials:	
Pump housing:	Cast iron
	EN-JL1030
	ASTM A48-30 B
Impeller:	Stainless steel
	DIN WNr. 1.4301
	AISI 304
Material code:	A
Code for rubber:	E
Bush material:	NONE
Installation:	
Maximum ambient temperature:	60 °C
Max pressure at stated temp:	25 bar / 120 °C
· ·	25 bar / -20 °C
Flange standard:	DIN
Connect code:	FJ
Pipe connection:	DN 40
Pressure stage:	PN 25
Flange size for motor:	FF265
Liquid:	
Pumped liquid:	Water
Liquid temperature range:	-20 120 °C
Liquid temperature during operation:	20 °C
Density:	998.2 kg/m ⁹
Electrical data:	
Motor type:	132SB
IE Efficiency class:	IE3
Rated power - P2:	7.5 kW
Rated power - P2: Power (P2) required by pump:	7.5 KW 7.5 kW
Power (P2) required by pump: Mains frequency:	7.5 KW 50 Hz
Rated voltage: Rated current:	3 x 380-415D/660-690Y V
	14,4-14,0/8,30-8,10 A
Starting current:	780-910 %
Cos phi - power factor:	0,88-0,82
Rated speed:	2910-2920 rpm
Efficiency:	IE3 90,1%
Motor efficiency at full load:	90.1-90.4 %



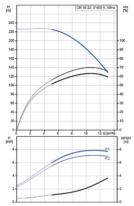
96501225 CR 10-22 50 Hz



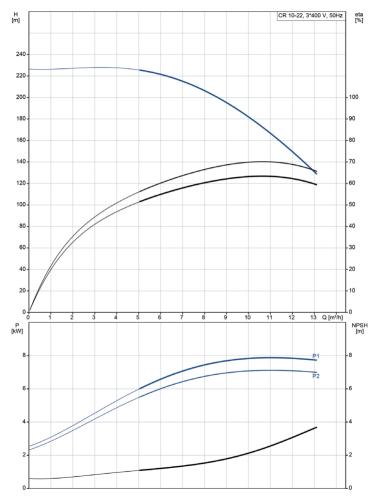


Product No.: 96501225 CR 10-22 A-FJ-A-E-HQQE

Product Name: CR 10.22.AFJ-AE-HOOD Product No: 960/1225 EAM number: 5700396217857 Technical: 5700396217857 Speed for pump data: 2819 rpm Rand Ador: 10 m/h Rand Ador: 10 m/h Rand Ador: 10 m/h Rand Ador: 20 fb m Primary shaft see: 22 Primary shaft see: 22 Pump type: CR 10 Curve bidramce: 1009906.2012.38 Pump type: CR 10 Curve bidramce: 22 Pump type: CR 10 Curve bidramce: A Modeil: A Modeil: A Modeil: A Material: NONE Impeller: Din W -Nr.14001 Material: NONE Installation: Modeil: Maintom arbitet temperature: 60 °C Maximum arbitet temperature: 60 °C Maximum arbitet temperature: 60 °C Pape	Description	Value
Product No. 9501223 Fechnical: 5700396217367 Technical: 2919 rpm Speed Group data: 2919 rpm Speed Group data: 2919 rpm Network of the speed of the speed of the speed Speed Group data: 2919 rpm Network of the speed of the speed of the speed of the speed Network of the speed of the sp	General information:	
EAN number: 5700396217857 Technial: Speed for pump data: 2919 rpm Rated flow: 10 m/h Rated flow: 225 m 10 m/h Rated flow: 226 m 10 m/h Rated flow: 246 m 10	Product name:	CR 10-22 A-FJ-A-E-HQQE
Technical: Speed for pump data: 2919 rpm Rated flow: 10 m/h Rated head: 180.6 m Head masc. 225 m Primary Number 2007 Primary Number 2007 Primary Number 2007 Primary Number 2007 Primary Number 2007 Primary Number 2007 Primary Number 2007 Stages: 22 Pump Version: A Motodel: A Moto	Product No:	96501225
Speed for pump data: 29 19 pm Speed for pump data: 100 m/h Rated head: 100 m/h Parel head mac: 22 m Primps shaft seal: HOGE Approvation nameplate: CE TR Cave biorance: IS 00906:2012 3B Pump type: CR 10 Stagese: 22 Pump type: CR 10 Material: Pump housing: Cast inon EN-LL 1030 ASTM A48.30 B Stainless steel Din W-Av. 1.4301 Material code: ASI 304 A Code for nubber: E Distaliation: MONE Instaliation: MONE Instaliation: MONE Instaliation: MONE Instaliation: MONE Instaliation: MONE Instaliatio	EAN number:	5700396217857
Rade Idox: 10 m/h Rade Idox: 20 m/h Head mac: 225 m Impeller: 227 Primary Julit seal: 400E Primary Julit Seal: 400E Prim	Technical:	
Rade Idox: 10 m/h Rade Idox: 20 m/h Head mac: 225 m Impeller: 227 Primary Julit seal: 400E Primary Julit Seal: 400E Prim	Speed for pump data:	2919 rpm
Head mac: 22 m Head mac: 22 m Primary shaft seal: HCQE Primary shaft seal: HCQE Curve briermon: IS 06990.0212 3B Brunp kyres: CR 10 Stages: 22 Pump kyres: CR 10 Brunp kyres: CR 10 <	Rated flow:	
Impetters: 22 Primary shaft area Approvation namepiate: CE, TR Approvation: CR Pump bruesion: CR Pump bruesion: A Autour and the state of the sta	Rated head:	180.6 m
Primary shaft seat: HCQE Primary shaft seat: HCQE Curve toterance: IS 05996.2012 3B Pump type: CR 10 Stages: 22 Pump type: CR 10 Stages: 22 Pump type: CR 10 Material: A Pump bousing: Cast iron EN-LI 1030 A ASTM A48-30 B Intra-48-30 B Impedier: Stainless steel DIN W-4x-1 4301 ASTM 448-30 B Impedier: Stainless steel DIN W-4x-1 4301 ASTM 448-30 B Impedier: Stainless steel DIN W-4x-1 4301 ASTM 448-30 B Material code: ASTM 448-30 B Material anode: DIN Code for outboer: E Bush material: NOE Dink pressure stage: PN 25 Fange standard: DIN On 400 Pressure stage: PN 25 PN 25 Fange stanotant: DIN <td< td=""><td>Head max:</td><td>225 m</td></td<>	Head max:	225 m
Approvales on namepulae: 0E, TR Approvales on namepulae: 0E, TR Pump type: 0C, 10, 30906, 2012, 38 Pump type: 0C, 10, 30906, 2012, 38 Pump type: 0C, 10, 30906, 2012, 38 Pump type: 0C, 10, 30906, 2012, 38 Model: 0C, 10, 3006, 2012, 30 Model: 0C, 10, 30 Model: 0C, 1	Impellers:	22
Curve totrannee: ISO990.62012 38 Pump type: CR 10 Stages: 22 Pump type: CR 10 Stages: 22 Pump version: A Mototal: A Muteriala: Pump housing: Cast iron Kastralation: EN-LI 030 ASTIM 4A3-0 B Immediate Cast Iron ASTIM 4A3-0 B Immediate Cast Iron Cast Iron ASTIM 4A3-0 B Immediate Iron Cast	Primary shaft seal:	HQQE
Pump type: OR 10 Singes: 22 Pump version: A Model: A Pump version: A Model: A Pump version: A Materials: E Sum based of the second seco	Approvals on nameplate:	CE,TR
Shapes: 22 Shapes: 24 Model: A Model: A Model: A Model: A Material: Cast Iron Funp brussing: Cast Iron Standards ASTM A48-30 B Impelier: Stanifeas steel DIN W.Nr. 14301 AMaterial code: A A Code for rubber: E Bush mathemit NONE Material code: A Material code: A Material code: A Bush mathemit NONE Bush mathemit BO'C Maker pressure of tactor 25 bar / 20 'C Parge connection: F1 40 Pre connection: F1 40 Pre connection: F1 40 Pre connection: F1 20 'C Liquid: Unped liquid: Using thermoster: 50 -r1 20 'C Liquid: Connect code: F1 ange size for motor: F265 Liquid: Connect code: Liquid: Connect code: Elevicial data: Concet code: Liquid: Concet code: Liquid: Concet code: Elevicia	Curve tolerance:	ISO9906:2012 3B
Pump evenion: A Model: A Model	Pump type:	CR 10
A Material: Pump housing: Cast iron EN-LI 030 EN-LI 030 Impelier: Statices steel UN VA.VI. 14301 AST 1443-30 B Material code: AST 364 Code for rubover A Bush material: NONE Installation: B Maximum ambient temperature: 60 °C Context code: FJ Context code: FJ Context code: FJ Presone stated temp: 25 bar / 20 °C Context code: FJ Presone state for motor: FF 255 Pressue state for motor: FF 255 Pressue state for motor: FF 255 Unit display: 20 · 120 °C Density: 20 · 120 °C Density: 20 · 120 °C Electrical data: 132 SB Elefticat data: <td>Stages:</td> <td>22</td>	Stages:	22
Materials: Pump housing: Cast iron ENAL1030 ASTM A43-30 B impetier: Statictes steel DIN W-AV. 14301 Material code: A 10-0 Add Soft A43-30 B Material code: A 10-0 Add Soft A43-30 B Material code: A 10-0 Add Soft A43-30 B Material code: A 10-0 Material code: B 10-	Pump version:	A
Pump housing: Cast ion EN-UL 1030 ASTM A43-30 B Impeller: Shariness steel DIN W-A+. 14301 Material code: A STM A43-30 B In W-A+. 14301 Material code: A STM A43-30 B Starling Starling	Model:	Α
Pump housing: Cast ion EN-UL 1030 ASTM A43-30 B Impeller: Shariness steel DIN W-A+. 14301 Material code: A STM A43-30 B In W-A+. 14301 Material code: A STM A43-30 B Starling Starling	Materials:	
EN-JL (1030 ASTM A48-30 B Impeller: Distances steel Dist VN -Nr. 14:01 Material code: A Code for nubber: E Build material: NONE Installation: Move Installation: Move Installation: S Maxy pressure at stated temp: 25 bar / 120 °C 25 bar / 20 °C 20 °C 2	Pump housing:	Cast iron
ASTM A49.0 B Impeller: Stainless steel DIN W.Nr. 14301 Astainless steel DIN W.Nr. 14301 Material code: A Code for rubber: E Bush mathemit: NONE Impeller: 60 °C Makerial code: - A Main mathemit temperature: 60 °C Makerial code: - C Page connaction: D'N Page connaction: PN 25 Page connaction: PN 25 Flange standard: DIN Upuid temperature: 50 - r 20 °C Liquid: Page connaction: PN 25 S Flange size for motor: F 265 Liquid: Page connaction: Liquid: Drestruct Liquid temperature during oration: 20 - 120 °C Liquid temperature during oration: 20 - 120 °C Liquid temperature during oration: 07 G Density: 50 462 Majm ⁻¹ Editional data: 120 °C Liquid temperature dur		EN-JL1030
DIN WN. 1. 4301 All starting code: A Goode for rubber E Bush material: NONE Installation: Maximum ambient temperature: 60 °C Maximum ambient temperature: 70 °C Pressure stage: PN 25 Presone stage: PN 25 Pressure stage: PN 25 Pressure stage: 20 · 120 °C Liquid temperature range: -20 · 120 °C Liquid temperature during operation: 20 °C Density: 20 · 20 · 75 Maximum ambient temperature 13 · 85 Raide Jower: 72 · 75 WM Mains frequency: 75 WM Mains frequency: 75 · WM Mains frequency: 75 · WM Mains frequency: 75 · WM Mains frequency: 75 · 90 · 16 Starting current: 14 · 41 · 40 · 80 · 41 · 40 · 80 · 40 · 60 · 16 Starting current: 780 · 91 °S Raide dureret: 12 · 91 · 62 · 92 · 75 Raide dureret: 12 · 91 · 62 · 90 · 16 Starting current: 0.880 · 82 · 91 · 62 · 92 · 75 Raide dureret: 12 · 91 · 62 · 90 · 16 Starting current: 0.880 · 82 · 91 · 62 · 92 · 92 · 92 · 92 · 92 · 92 · 92		
DIN WK. 14301 Alisti 304 Material code: A Code for rubber E Bush matrial: NONE Installation: Book matrial: Maximum arbiten temperature: 60 °C Maximum arbiten temperature: 60 °C Max pressure at stated temp: 25 bar / 120 °C Parage standard: D'L Oransat code: D'L Pine connection: D'N 40 Pressure stage: PN 25 Parage standard: 20 °C Liquid: Vater Liquid: Vater Liquid: 20 °C Band power, PA: 25 Bar Radid power, PA: 75 WW Mains frequency: 75 WW Mains frequency: 75 WW Power (P2): nequired by pump; 75 WW Radid ourent: 14,4-14,03,20,4-150,4-50,6-50'Y Radid ourent: 14,4-14,03,20,4-150,50,6-60'Y Radid ourent: 14,4-14,03,20,4-150,50,6-60'Y Radid ourent: 14,4-14,03,20,4-150,50,6-60'Y <td< td=""><td>Impeller:</td><td>Stainless steel</td></td<>	Impeller:	Stainless steel
Material code: A Code for rubber & Installator: B Maximum ambient temperature: 60 °C Max pressure at stated temp: 25 bar / 20 °C 25 bar / 20 °C 20 °C		DIN WNr. 1.4301
Code for nubber: E Deals materialistic: NONE Installation: 60 °C Maximum ambient temperature: 60 °C Maximum ambient temperature: 60 °C Maximum ambient temperature: 60 °C Stand Laboret: 25 bar / 120 °C Connect code: Char / 30 °C Connect code: PJ Openet code: PJ Pipe connection: DN 40 Pressure stage: PN 125 Liquid: Water Aunped liquid: Vater Appaid temperature range: -30 °C 120 °C Appaid temperature cumg operation: 120 °C Dently: 982 2 kg/m² Electrical data: ES Moor type: 13258 Electrical quired by pump: 7.5 With Mans dequeric; 60 42 Mans dequeric; 60 42 Mans dequeric; 60 44 Mans dequeric; 60 42 Mans dequeric; 60 42 Mans dequerinc; 60 42 M		AISI 304
Bush material: NONE installation: Installation: Max pressure at stated temp: 25 bar / 20 °C S bar /	Material code:	A
Installation: 60 °C Maximum ambient temperature: 60 °C Maximum ambient temperature: 25 bar / 120 °C Star / 120 °C 25 bar / 20 °C Divit Ambient temperature: 25 bar / 20 °C Divit Comparison of the star of the sta	Code for rubber:	E
Maximum ambient temperature: 60 °C. Max pressure at stated temp: 25 bar / 20 °C Max pressure at stated temp: 25 bar / 20 °C Bange standard: DIN Connect code: FJ Pee connection: DIN Pressure stage: PN 25 Fange standard: PN 26 Inguid temperature range: 20 , 120 °C Liquid: Vater Liquid temperature range: 20 , 120 °C Liquid temperature range: 50 , 120 °C Banding cover, P2 7.5 Wi Mons frequency: 7.5 Wi Power (P2) required by pump: 7.5 Wi Rande ourrent: 14, 41, 40, 80, 80, 60, 90 °V Rande ourrent: 7.6 V/0 °S Cog bit - power fator: 0.80, 82, 82	Bush material:	NONE
Maximum ambient temperature: 60 °C. Max pressure at stated temp: 25 bar / 20 °C Max pressure at stated temp: 25 bar / 20 °C Bange standard: DIN Connect code: FJ Pee connection: DIN Pressure stage: PN 25 Fange standard: PN 26 Inguid temperature range: 20 , 120 °C Liquid: Vater Liquid temperature range: 20 , 120 °C Liquid temperature range: 50 , 120 °C Banding cover, P2 7.5 Wi Mons frequency: 7.5 Wi Power (P2) required by pump: 7.5 Wi Rande ourrent: 14, 41, 40, 80, 80, 60, 90 °V Rande ourrent: 7.6 V/0 °S Cog bit - power fator: 0.80, 82, 82	Installation:	
Max pressure at stated temp: 25 bar / 20 °C Sharp, 20 °C Shar / 20 °C Flange standard: DIN Onnect code: FJ Ope connect code: FJ Pipe connection: DN 40 Pressure stage: PN 25 Flange state for motor: FF265 Liquid: Water Liquid temperature range: 20 · C2 °C Denshy: 03 · C3 °C Denshy: 1325B Electrical data: 1325B Electrical data: 54 Molr type: 1325B Flande current: 14.41-40.80.80.400 /V Rande current: 14.41-40.80.400 /V Rande current: 14.41-40.80.400 /V Rande current: 14.41-40.80.400 /V Rande current: 14.41-40.80.400 /V Rande current: 150.91 % Cos phi - power factor: 0.80.82 Releader: 1210.520 pm		60 °C
25 bar / 20 °C Range standard: DIN Connect code: FJ Poe connection: DN 40 Pressure stage: PN 25 Range size for motor: F7265 Liquid: Water Liquid: Uter Liquid: 0.120 °C Liquid: Data Denshy: Data Bender John 20 °C Liquid: Data Bind power / 20, 120 °C Data Bind power / 20, required by pump: 7.5 W/ Power (P2): nequired by pump: 7.5 W/ Power (P2): nequired by pump: 50 Hz Raid ourrent: 14, 41, 40, 30, 30, 42 Starting ourrent: 780-910 % Cap Pi - power fator: 0, 80, 82 Reade ourrent: 14, 41, 40, 30, 30, 22 Raid speed: 2910-3220 pm		25 bar / 120 °C
Flange standard: DIN Plange standard: DIN Onnect code: FJ Onnect code: FJ Pee connect code: DN 40 Pee connect code: PF28 Brange size for motor: FF285 Lugid: Engressize stage: Demosition of the presentative range: 20 - (20 - 'C') Liquid temperature range: 20 - (20 - 'C') Demosity: 098.2 kg/m' Electrical data: Electrical data: Molor typic: 1325B Eleftidency class: El Mana Mequency: 6 Mana Mequency: 6 Mana Mequency: 0 - 30 - '0 - 'S Mana Carent: 14,4-14,03,03,04,07 - V Starting current: 70-91 - 'S Rated append: 2910- 2820 rpm Efficiency: El 59,01 %	nux processo at outco temp.	
Connect code: FJ Connect code: FJ Pressure stage: PN 25 Presonation: F265 Liquid: F265 Liquid: Vater Liquid: 0.120 °C Liquid: 0.720 °C Density: 29.42 kpm Electrical data: Motor type Motor type 1228B El Efficiency class: E3 Randa power P2: 7.5 KW Power (P2): nequired by pump: 7.5 KW Raded current: 1.4.4.4.40.8.30.6.0.80 VC Raded sourcent: 7.6.9.0.7.8.0.8.0.8.0.2.0.0.8.0.8.2.0.2.0.0.7.8.0.8.0.8.0.2.0.0.8.0.8.2.0.2.0.0.8.0.8	Flance standard:	
Pipe connection: DN 40 Pressure stage: PN 25 Flange size for motor: F265 Liquid: Water Unped flauld: 20 °C Density: 986.2 kg/m* Electrical data: 20 °C Electrical data: Electrical data: Motor type: 13258 Elefteden your: 7.5 kW Poner (P2) required by pump: 7.5 kW Name denguncy: 60 Hz Starting convert factor: 44.4140.830.84 Starting convert factor: 686.0 R2 Rated append: 129.0 Sg0.20 pm Efficiency: 129.0 Sg0.20 pm		FJ
Pressure stage: PN 25 Plange size for motor: FF265 Liquid: Vater Pumped liquid: Vater Liquid: 0.120 *C0 Liquid temperature range: -20.120 *C0 Liquid temperature during operation: 20 *C Dennish: 20 *C0 Eterbical data: 12058 Bizel donory class: E3 Rando power - P2 7.5 WV Prover (P2) mequired by pump: 7.5 WV Rander donage: 3 × 380-4150x60-680YV Rander current: 14,4-14,08,30,30 Starting ourrent: 768-910 *S Cos phi - power factor: 0,80,82 Rated supped: 210-5220 pm		DN 40
Flange size for motor: FF285 Liquid: Water Liquid: Water Liquid: Manage Liquid: -20., 120 °C Liquid: -20., 120 °C Liquid: -20., 120 °C Dansity. 6962 Light Electrical date:		
Pumped liquid: Water Liquid temperature range. 20.120 °C Liquid temperature during operation 20 °C Density: 20 °C Biodrical data: 20 °C Electrical data: 52 Electrical data: 53 Electrical data: 54 Electrical data: 54 Mont Type: 7.5 Wit Proves (P2): neglicited by pump: 7.5 Wit Monis frequency: 7.5 Wit Raide durient: 1.4.1.4.008.30.06.00 Vit Starting current: 7.6.9.07 % Cog Pul - power factor: 0.80.0.82 Raide darent: 2.910-2202 pm Electrical data: 2.910-2202 pm	Flange size for motor:	FF265
Pumped liquid: Water Liquid temperature range. 20.120 °C Liquid temperature during operation 20 °C Density: 20 °C Biodrical data: 20 °C Electrical data: 52 Electrical data: 53 Electrical data: 54 Electrical data: 54 Mont Type: 7.5 Wit Proves (P2): neglicited by pump: 7.5 Wit Monis frequency: 7.5 Wit Raide durient: 1.4.1.4.008.30.06.00 Vit Starting current: 7.6.9.07 % Cog Pul - power factor: 0.80.0.82 Raide darent: 2.910-2202 pm Electrical data: 2.910-2202 pm	Liquid:	
Liquid temperature during operation 20 °C Density: 98 2. kg/m² Electrical data: 1325B Electrical data: 1325B Electrical data: 7.5 W Namin frequency: 7.5 W Namin frequency: 0 H2 Rated compact: 14.414.008.20.6407 V Starting courtent: 780-910 % Coce ph l – poore factor: 0.80.0.82 Rated agend: 2910-2220 pm Efficiency: El 59.01%	Pumped liquid:	Water
Density: 998.2 kg/m² Electrical data: Molor type: 1325B IE Efficiency class: IE3 Radel power P2: 7.5 kW Power (P2): 0.5 kW Power (P2): 6.0 kz Namis frequency: 6.0 kz S. 330-6450/660-6907 VF S. 430-6450/660-6907 VF Rade durrent: 14.4-14.08.30-8.10 A Starting ourrent: 7.8-41-41.08.30-8.10 A Starting ourrent: 0.880.82 0.580.82 Cap Pi - power factor: 0.880.82 Rade speed: 2.910-2320 rpm Efficiency: IE 390.1% S.	Liquid temperature range:	
Electrical data: Motor type: 1325B Elefficiency class: IE3 Elefficiency class: F3 Ratid power: P2: Vision Stepping: 7.5 WV Name Stepping: 5.9 W Name Stepping: 5.9 W Statistic oursent: 14.414.00.30.9.6.0 V Statistic oursent: 70.910 % Cop Pil - power factor: 0.80.82 Rated apred: 2910-2220 pm Efficiency: IE 39.01%	Liquid temperature during operation:	
Motor type: 1328B LE Efficiency (Jacks) LE3 Rated power-P2: 7.5 kW Power (P2) required by pump: 7.5 kW Mains frequency: 60 Hz Rated current: 14.4-14.08 30-8-10 A Starting ourrent: 760-910 % Starting ourrent: 760-910 % Rated supert: 0.80-0.82 Rated supert: 12.4-14.08 30-8-10 A Starting ourrent: 760-910 % Rated speed: 2910-2320 pm Efficiency: IE 39.0 1%	Density:	998.2 kg/m³
Efficiency cleas: E3 Raid power - 75 KW Power (P2) reguined by pump; 7.5 KW Nains frequency; 5.0 Hz Stands power - 75 SW Nains frequency; 5.0 Hz Stands power - 100 3.830-41500-6807 VI Stands ourrent: 14.4-14.08.30-6.10 A Stands ourrent: 7.6 - 90.5% Cos ph I - power factor: 0.86.0.82 Rated supert: 2.910-5220 pm Efficiency; E3.90.1%	Electrical data:	
IE Efficiency class: IE3 Radid power - 75. KW Power (P2) 7.5 KW Power (P2) nequired by pump; 7.5 KW Solard power - 100 Radid sources - 100 5.0 Hz Solard power - 100 Radid content: 14.4-14.08.30-0.10 A Starting content: 7.6 Solard power - 100 Radid current: 14.4-14.08.30-0.10 A Starting content: 0.86.0.82 Radid speed: 2910-2320 pm Efficiency: IE 30.0 1%	Motor type:	132SB
Prover (P2) nequired by pump: 7.5 kW Mains frequency: 50 Hz Rated voltage: 3 x 3804 15006-809 V Rated current: 14,414,08,30-8,10 A Starting current: 760-910 % Cop bil - power factor: 0,80,82 Rated supert: 2910-2220 pm Efficiency: E30,01%		IE3
Prover (P2) nequired by pump: 7.5 kW Mains frequency: 50 Hz Rated voltage: 3 x 3804 15006-809 V Rated current: 14,414,08,30-8,10 A Starting current: 760-910 % Cop bil - power factor: 0,80,82 Rated supert: 2910-2220 pm Efficiency: E30,01%		7.5 kW
Mains frequency: 50 Hz Reade voltage 3 x 380-4 150/e50-800 V Reade ourrent: 14,4-14,08,30-8,10 A Starting ourrent: 780-910 % Cos ph I - power factor: 0,88,0 kg Rated speed: 2910-2920 pm Efficiency: 1E3 90,1 %		7.5 kW
Rated voltage: 3 x 380-4150/860-690Y V Rated current: 14,4-14,08,30-8,10 A Starting current: 780-910 % Cos phi - power factor: 0,88-0,82 Rated speed: 2910-2920 pm Efficiency: 1E3 90,1%		50 Hz
Rated current: 14.4-14.08.30-8,10 A Starting current: 780-910 % Cos phi - power factor: 0.86.0,82 Rated speed: 2910-2920 rpm Eliciency: 1E3 90,1%		3 x 380-415D/660-690Y V
Starting current: 780-910 % Cos phi - power factor: 0,88-0,82 Rated speed: 2910-2920 pm Efficiency: IE3 90,1%		14,4-14,0/8,30-8,10 A
Cos phi - power factor: 0,88-0,82 Rated speed: 2910-2920 rpm Efficiency: IE3 90,1%	Starting current:	
Rated speed: 2910-2920 rpm Efficiency: IE3 90,1%		
Efficiency: IE3 90,1%	Rated speed:	
	Efficiency:	
	Motor efficiency at full load:	90.1-90.4 %



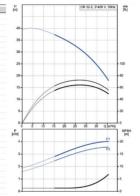
96501225 CR 10-22 50 Hz



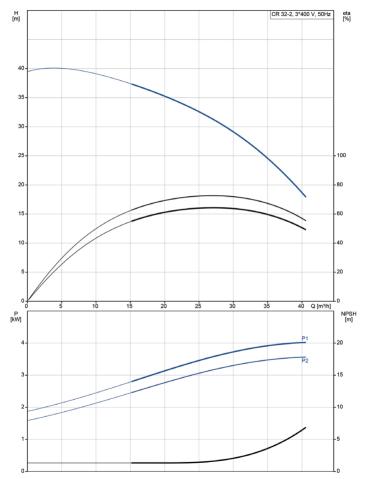


Product No.: 96121953 CR 32-2 A-F-A-E-HQQE

Description	Value
General information:	
Product name:	CR 32-2 A-F-A-E-HQQE
Product No:	96121953
EAN number:	5700396679273
Technical:	
Speed for pump data:	2917 rpm
Rated flow:	30 m³/h
Rated head:	29.5 m
Head max:	39.5 m
Impellers:	2
Primary shaft seal:	HQQE
Approvals on nameplate:	CE,TR
Curve tolerance:	ISO9906:2012 3B
Pump type:	CR 32
Stages:	2
Pump version:	A
Model:	В
	-
Materials:	
Pump housing:	Cast iron
	EN-JS1050
	ASTM 80-55-06
Impeller:	Stainless steel
	DIN WNr. 1.4301
	AISI 304
Material code:	A
Code for rubber:	F
Bush material:	Grafion
Boon material.	Chanon
Installation:	
Maximum ambient temperature:	60 °C
Max pressure at stated temp:	16 bar / 120 °C
	16 bar / -30 °C
Flange standard;	DIN
Connect code:	F
Pipe connection:	DN 65
Pressure stage:	PN 16 / PN 25 / PN 40
Flange size for motor:	FT130
Fiange size for motor.	11130
Liquid:	
Pumped liquid:	Water
Liquid temperature range:	-30 120 °C
Liquid temperature during operation:	20 °C
Density:	998.2 kg/m ³
Benaty.	550.2 kgm
Electrical data:	
Motor type:	112MC
IE Efficiency class:	IE3
Rated power - P2:	4 kW
Power (P2) required by pump:	4 kW
Mains frequency:	4 KVV 50 Hz
Rated voltage:	3 x 220-240D/380-415Y V
Rated voltage: Rated current:	13,6/7,90 A
Starting current:	13,6/7,90 A 1000-1110 %
Cos phi - power factor:	0,87-0,87
Rated speed:	2920-2940 rpm
Efficiency:	IE3 88,1%
Motor efficiency at full load:	88.1 %



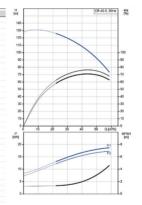
96121953 CR 32-2 50 Hz



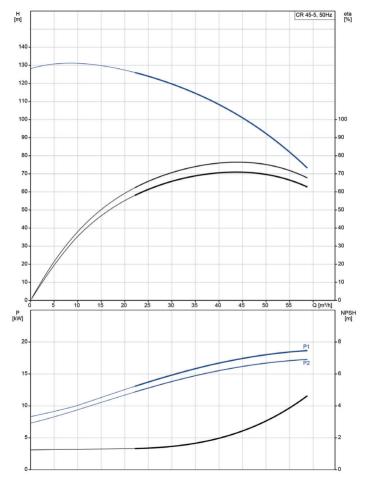


Product No.: 96122805 CR 45-5 A-F-A-E-HQQE

Description	Value
General information:	
Product name:	CR 45-5 A-F-A-E-HQQE
Product No:	96122805
EAN number:	5700396688497
Technical:	
Speed for pump data:	2934 rpm
Rated flow:	45 m ² /h
Rated head:	100.4 m
Head max:	127.8 m
Impellers:	5
Primary shaft seal:	HQQE
Approvals on nameplate:	CE.TR
Curve tolerance:	ISO9906:2012 3B
Pump type:	CR 45
Stages:	5
Pump version:	A
Model:	в
	-
Materials: Pump housing:	Cast iron
rump noosing.	EN-JS1050
	EN-JS1050 ASTM 80-55-06
Impeller	
Impeller:	Stainless steel
	DIN WNr. 1.4301
	AISI 304
Material code:	A
Code for rubber:	E
Bush material:	Grafion
Installation:	
Maximum ambient temperature:	60 °C
Max pressure at stated temp:	16 bar / 120 °C
	16 bar / -30 °C
Flange standard:	DIN
Connect code:	F
Pipe connection:	DN 80
Pressure stage:	PN 16 / PN 25 / PN 40
Flange size for motor:	FF300
Liquid:	
Pumped liquid:	Water
Liquid temperature range:	-30 120 °C
Liquid temperature during operation:	20 °C
Density:	998.2 kg/m ³
Electrical data:	
Motor type:	160LB
IE Efficiency class:	IE3
Rated power - P2:	18.5 kW
Power (P2) required by pump:	18.5 kW
Mains frequency:	50 Hz
Rated voltage:	3 x 380-415D/660-690Y
Rated voltage: Rated current:	34.5-32.5/20.0-18.8 A
	34,5-32,5/20,0-18,8 A 830-980 %
Starting current:	
Cos phi - power factor:	0,89-0,85
Rated speed:	2940-2950 rpm
Efficiency: Motor efficiency at full load:	IE3 92,4% 92.4-92.4 %



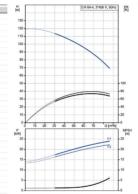
96122805 CR 45-5 50 Hz



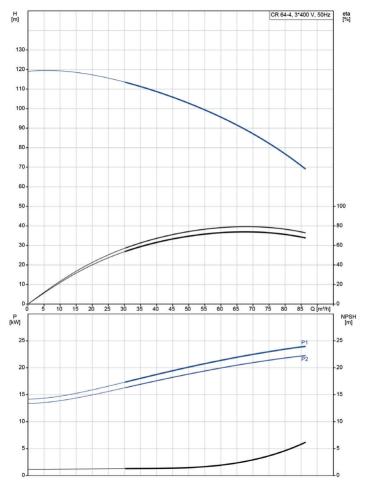


Product No.: 96123536 CR 64-4 A-F-A-E-HQQE

Description	Value
General information:	
Product name:	CR 64-4 A-F-A-E-HQQE
Product No:	96123536
EAN number:	5700396697468
Technical:	
Speed for pump data:	2947 rpm
Rated flow:	64 m³/h
Rated head	91 m
Head max:	119.1 m
Impellers:	4
Primary shaft seal:	HQQE
Approvals on nameplate:	CE.TR
Curve tolerance:	ISO9906:2012 3B
Pump type:	CR 64
Stages:	4
Stages: Pump version:	A
Pump version: Model:	B
MODEL.	0
Materials:	
Pump housing:	Cast iron
	EN-JS1050
	ASTM 80-55-06
Impeller:	Stainless steel
	DIN WNr. 1.4301
	AISI 304
Material code:	A
Code for rubber:	E
Bush material:	Grafion
Installation:	
Maximum ambient temperature:	60 °C
Max pressure at stated temp:	16 bar / 120 *C
inen process of an oracle terript	16 bar / -30 °C
Flange standard:	DIN
Connect code:	F
Pipe connection:	DN 100
Pressure stage:	PN 16
Flange size for motor:	FF300
Liquid: Pumped liquid:	Water
Liquid temperature range:	
	-30 120 °C
Liquid temperature during operation: Density:	20 °C 998.2 kg/m ³
Electrical data:	
Electrical data: Motor type:	180MB
IE Efficiency class:	IF3
Rated power - P2:	22 kW
Power (P2) required by pump:	22 kW
Mains frequency;	22 KW 50 Hz
Rated voltage:	3 x 380-415D/660-690Y
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 %



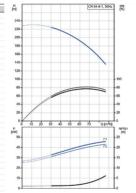
96123536 CR 64-4 50 Hz



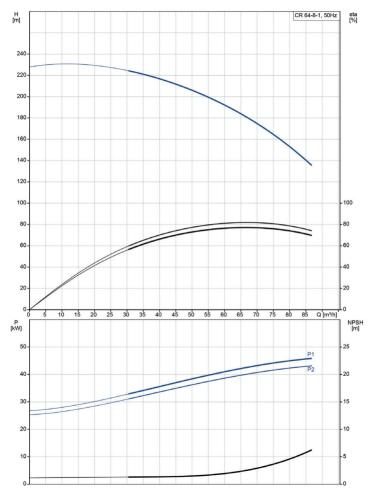


Product No.: 96123547 CR 64-8-1 A-F-A-E-HQQE

Description	Value
General information:	
Product name:	CR 64-8-1 A-F-A-E-HQQE
Product No:	96123547
EAN number:	5700396697574
Technical:	
Speed for pump data:	2960 rpm
Rated flow:	64 m³/h
Rated head:	181.3 m
Head max:	224.4 m
Impellers:	8
Impeller reduc.:	1
Primary shaft seal:	HQQE
Approvals on nameplate:	CE,TR
Curve tolerance:	ISO9906:2012 3B
Pump type:	CR 64
Stages:	8
Pump version:	Α
Model:	В
Materials:	
Pump housing:	Cast iron
	EN-JS1050
	ASTM 80-55-06
Impeller:	Stainless steel
	DIN WNr. 1.4301
	AISI 304
Material code:	A
Code for rubber:	E
Bush material:	Grafion
Installation:	
Maximum ambient temperature:	55 °C
Max pressure at stated temp:	30 bar / 120 °C
	30 bar / -30 °C
Flange standard:	DIN
Connect code:	F
Pipe connection:	DN 100
Pressure stage:	PN 25 / PN 40
Flange size for motor:	FF400
Liquid:	
Pumped liquid:	Water
Liquid temperature range:	-30 120 °C
Liquid temperature during operation:	20 °C
Density:	998.2 kg/m ³
Electrical data:	
Motor type:	SIEMENS
IE Efficiency class:	IE3
Rated power - P2:	45 kW
Power (P2) required by pump:	45 kW
Mains frequency:	50 Hz
Rated voltage:	3 x 380-420D/660-725Y V
Rated current:	81,0-74,0/47,0-43,0 A
Starting current:	690-690 %
Cos phi - power factor:	0,89
Rated speed:	2960 rpm
Efficiency:	IE3 94,0%



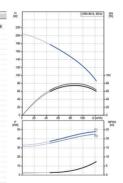
96123547 CR 64-8-1 50 Hz



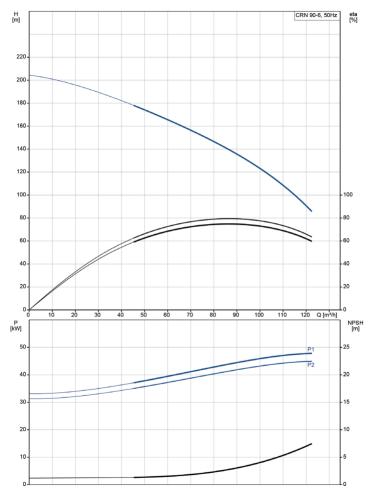


Product No.: 96124235 CRN 90-6 A-F-G-E-HQQE

Description	Value
General information:	
Product name:	CRN 90-6 A-F-G-E-HQQE
Product No:	96124235
EAN number:	5700396705491
Technical:	
Speed for pump data:	2960 rpm
Rated flow:	90 m³/h
Rated head:	135.5 m
Impellers:	6
Primary shaft seal:	HQQE
Curve tolerance:	ISO9906:2012 3B
Stages:	6
Pump version:	A
Model:	В
Materials:	
Pump housing:	Stainless steel
	DIN WNr. 1.4408
	AISI 316
Impeller:	Stainless steel
	DIN WNr. 1.4401
	AISI 316
Material code:	G
Code for rubber:	E
Bush material:	Grafion
Installation:	
Maximum ambient temperature:	55 °C
Max pressure at stated temp:	30 bar / 120 °C
	30 bar / -40 °C
Flange standard:	DIN
Connect code:	F
Pipe connection:	DN 100
Pressure stage:	PN 25 / PN 40
Flange size for motor:	FF400
Liquid:	
Pumped liquid:	Water
Liquid temperature range:	-40 120 °C
Liquid temperature during operation:	20 °C
Density:	998.2 kg/m ³
Electrical data:	
Motor type:	SIEMENS
IE Efficiency class:	IE3
Rated power - P2:	45 kW
Power (P2) required by pump:	45 kW
Mains frequency:	50 Hz
Rated voltage:	3 x 380-420D/660-725Y V
Rated current:	81,0-74,0/47,0-43,0 A
Starting current:	690-690 %
Cos phi - power factor:	0,89
Rated speed:	2960 rpm
Efficiency:	IE3 94,0%
Motor efficiency at full load:	94.0-94.0 %
Motor efficiency at 3/4 load:	94.5-94.5 %
Motor efficiency at 1/2 load:	94.4-94.4 %
Number of poles:	2



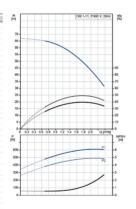
96124235 CRN 90-6 50 Hz



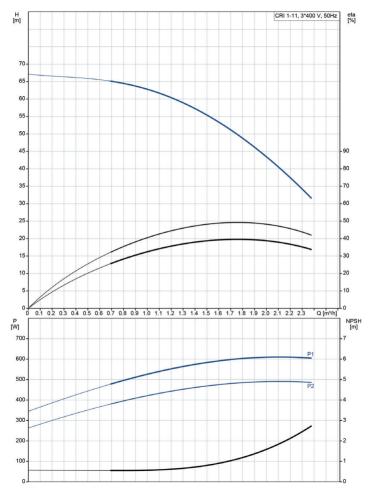


Product No.: 96516325 CRI 1-11 A-CA-I-E-HQQE

Description	Value
General information:	
Product name:	CRI 1-11 A-CA-I-E-HQQE
Product No:	96516325
EAN number:	5700396740959
Technical:	0050
Speed for pump data:	2856 rpm
Rated flow:	1.8 m³/h
Rated head:	51.2 m
Impellers:	11
Primary shaft seal:	HQQE
Approvals on nameplate:	CE,TR
Curve tolerance:	ISO9906:2012 3B
Stages:	11
Pump version:	A
Model:	A
Materials:	
Pump housing:	Stainless steel
-	DIN WNr. 1.4408
	ASTM A 351 CF 8M
Impeller:	Stainless steel
	DIN WNr. 1.4301
	AISI 304
Material code:	1
Code for rubber:	F
Bush material:	NONE
Installation:	
Maximum ambient temperature:	40 °C
Max pressure at stated temp:	25 bar / 120 °C
	25 bar / -20 °C
Flange standard:	CLAMP
Connect code:	CA
Pipe connection:	59 mm
Flange size for motor:	FT85
Liquid:	
Pumped liquid:	Water
Liquid temperature range:	-20 120 °C
Liquid temperature during operation:	20 °C
Density:	998.2 kg/m ³
Electrical data:	
Electrical data: Motor type:	718
IE Efficiency class:	IE3
Rated power - P2:	0.55 kW
Power (P2) required by pump:	0.55 kW
Mains frequency:	50 Hz
Rated voltage:	3 x 220-240D/380-415Y V
Rated voltage: Rated current:	2.50/1.44 A
Starting current:	580-620 %
Cos phi - power factor:	0,80-0,70
Rated speed:	2830-2850 rpm
Efficiency:	IE3 77,8%
Motor efficiency at full load:	77.8 %
Motor efficiency at 3/4 load:	81.5 %
Motor efficiency at 1/2 load: Number of poles:	79.5 % 2



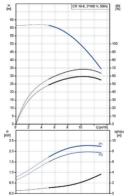
96516325 CRI 1-11 50 Hz



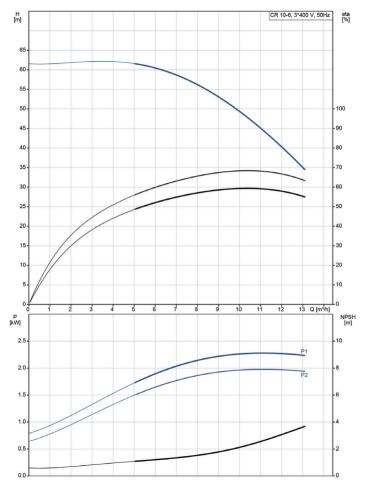


Product No.: 96500984 CR 10-6 A-A-A-E-HQQE

Description	Value
General information:	
Product name:	CR 10-6 A-A-A-E-HQQE
Product No:	96500984
EAN number:	5700396213033
Technical	
Technical:	
Speed for pump data: Rated flow:	2899 rpm
Rated flow: Rated head:	10 m³/h 48.3 m
Head max:	61.2 m
Impellers:	06
Primary shaft seal:	HQQE
Approvals on nameplate:	CE,TR
Curve tolerance:	ISO9906:2012 3B
Pump type:	CR 10
Stages:	6
Pump version:	A
Model:	A
Materials:	
Pump housing:	Cast iron
	EN-JL1030
	ASTM A48-30 B
Impeller:	Stainless steel
imponer.	DIN WNr. 1.4301
	AISI 304
Material code:	A151 304
Code for rubber:	F
Bush material:	NONE
Installation:	00.10
Maximum ambient temperature:	60 °C
Max pressure at stated temp:	16 bar / 120 °C
	16 bar / -20 °C
Flange standard:	OVAL
Connect code:	A
Pipe connection:	Rp 1 1/2
Flange size for motor:	FT115
Liquid:	
Pumped liquid:	Water
Liquid temperature range:	-20 120 °C
Liquid temperature during operation:	20 °C
Density:	998.2 kg/m ³
Fleetsleel date:	
Electrical data: Motor type:	90LC
IE Efficiency class:	IE3
Rated power - P2:	2.2 kW
Power (P2) required by pump:	2.2 kW
	50 Hz
Mains frequency: Rated voltage:	3 x 220-240D/380-415Y V
Rated current:	7,70/4,45 A
Starting current:	850-950 %
Cos phi - power factor:	0,89-0,87
Rated speed:	2890-2910 rpm
Efficiency:	IE3 85,9%
Motor efficiency at full load:	85.9 %
Motor efficiency at 3/4 load:	86.8 %



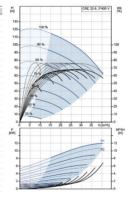
96500984 CR 10-6 50 Hz



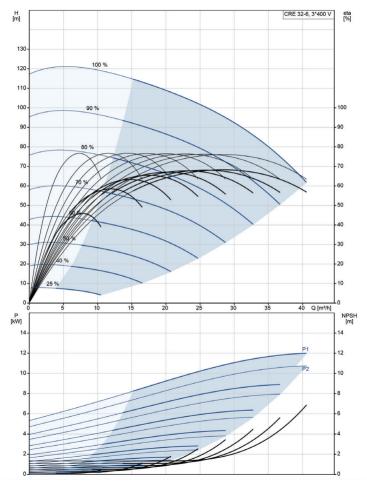


Product No.: 96122644 CRE 32-6 A-F-A-E-HQQE

6 A-F-A-E-HQQE
4
686882
n
1
150
48-30 B
s steel
Nr. 1.4301
120 °C
-30 °C
PN 25 / PN 40
0 °C
/m³
480 V
BA
0
0 rpm
• .p
94
s Blueflux
s Diuenux



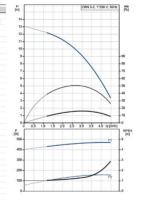
96122644 CRE 32-6 50 Hz



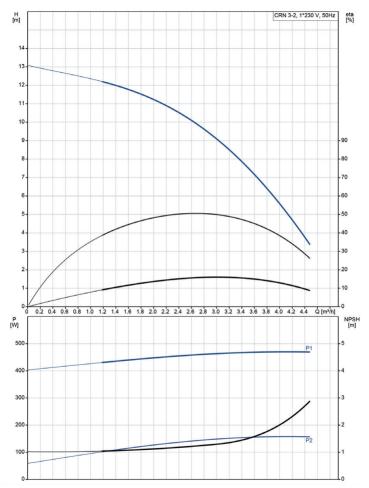


Product No.: 96533250 CRN 3-2 A-P-G-E-HQQE

Description	Value
General information:	
Product name:	CRN 3-2 A-P-G-E-HQQE
Product No:	96533250
EAN number:	5700397438268
Technical:	
Speed for pump data:	2757 rpm
Rated flow:	2/5/ rpm 3 m³/h
Rated head:	9.2 m
Impellers;	9.2 m 2
Primary shaft seal:	HQQE CE.TR
Approvals on nameplate:	
Curve tolerance:	ISO9906:2012 3B
Stages:	3
Pump version:	A
Model:	A
Materials:	
Pump housing:	Stainless steel
	DIN WNr. 1.4408
	ASTM A 351 CF 8M
Impeller:	Stainless steel
	DIN WNr. 1.4401
	AISI 316
Material code:	G
Code for rubber:	F
Bush material:	NONE
	HONE
Installation:	
Maximum ambient temperature:	40 °C
Max pressure at stated temp:	25 bar / 120 °C
man processio at charlos temp.	25 bar / -20 °C
Flange standard:	PJE
Connect code:	P
Pipe connection:	42.2 mm
Flange size for motor:	FT85
hange size for motor.	1105
Liquid:	
Pumped liquid:	Water
Liquid temperature range:	-20 120 °C
Liquid temperature during operation:	20 °C
Density:	998.2 kg/m ²
Electrical data:	
Motor type:	71B
IE Efficiency class:	NA
Rated power - P2:	0.37 kW
Power (P2) required by pump:	0.37 kW
Mains frequency:	50 Hz
Rated voltage:	1 x 220-230/240 V
Rated current:	
	2,95/2,70 A
Starting current:	280 %
Cos phi - power factor:	0,99
Rated speed:	2770 rpm
Motor efficiency at full load:	60.0-56.0 %
Number of poles:	2
Enclosure class (IEC 34-5):	55 Dust/Jetting
Insulation class (IEC 85):	F
Motor protec:	PTO



96533250 CRN 3-2 50 Hz



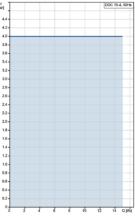




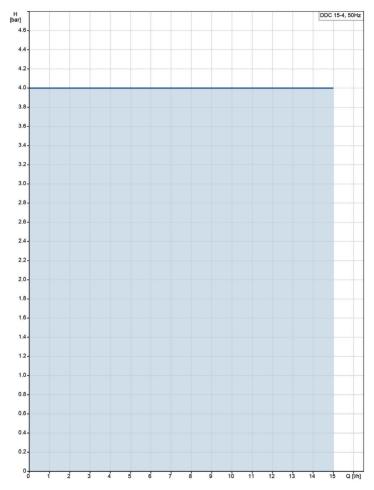


Product No.: 97721508 DDC 15-4 DDC 15-4 AR-PVC/V/C-F-31I002FG

Description	Value
neral information:	
oduct name:	DDC 15-4
oduct No:	97721508
N number:	5710622716504
chnical:	
pe key:	DDC 15-4 AR-PVC/V/C-F-31I002FG
-	
ax. Flow:	15 l/h
ax. flow in slow mode 50%:	7.5 l/h
ax. flow in slow mode 25%:	3.75 l/h
n flow:	15,0 ml/h
rn-down ratio:	1:1000
provals on nameplate:	CE,CSA-US,NSF61,EAC, RCM
alve type:	Standard
aximum viscosity at 100 %:	300 mPas
aximum viscosity in slow mode 50 %:	1300 mPas
aximum viscosity in slow mode 25 %:	2000 mPas
curacy of repeatability:	1%
iterials:	
osing head:	PVC (Polyvinyl chloride)
alve ball:	Ceramic
sket:	FKM
stallation:	
nge of ambient temperature;	045 °C
aximum operating pressure:	4 bar
stallation set:	YES
stallation type:	9/12 mm up to 60 l/h,13 bar
imp inlet:	Hose 9/12 mm 6
imp outlet:	Hose 9/12 mm 6
ax. Suction lift during operation:	6 m
ax. Suction lift during priming:	3 m
auid:	
umped liquid:	Water
guid temperature range;	-10 ., 45 °C
quid temperature range: quid temperature during operation:	-10 45 C 20 °C
ensity:	998.2 kg/m ³
onony.	even Nyrin
ectrical data:	
aximum power input - P1:	22 W
lains frequency:	50 Hz
ated voltage:	1 x 100-240 V
nclosure class (IEC 34-5):	IP65 / NEMA 4X
ength of cable:	1.5 m
ype of cable plug:	EU
rush current:	25A at 230V for 2ms
ontrols:	
ontrol variant:	AR
ontrol panel:	FRONT-MOUNTED
	YES
evel control:	0/4 20 MA
vel control: nalog input: ulse control:	0/4-20 MA



97721508 DDC 15-4 50 Hz





Product No.: 97721371 DDC 6-10 DDC 6-10 AR-PVC/V/C-F-311001FG

Description	Value
General information:	
Product name:	DDC 6-10
Product No:	97721371
EAN number:	5710622715125
Technical:	
Type key:	DDC 6-10
<i></i>	AR-PVC/V/C-F-311001FG
Max. Flow:	6 l/h
Max. flow in slow mode 50%:	3 l/h
Max. flow in slow mode 25%:	1.5 l/h
Min flow:	6,0 ml/h
Turn-down ratio:	1:1000
Approvals on nameplate:	CE,CSA-US,NSF61,EAC RCM
/alve type:	Standard
Maximum viscosity at 100 %:	50 mPas
Maximum viscosity in slow mode 50 %:	1800 mPas
Maximum viscosity in slow mode 25 %:	2500 mPas
Accuracy of repeatability:	1%
Materials:	
Dosing head:	PVC (Polyvinyl chloride)
Valve ball:	Ceramic
Gasket:	FKM
nstallation:	
Range of ambient temperature:	045 °C
Maximum operating pressure:	10 bar
nstallation set:	YES
nstallation type:	4/6 mm up to 7,5 l/h,16
Pump inlet:	Hose 4/6 mm 3
Pump outlet:	Hose 4/6 mm 3
Max. Suction lift during operation:	6 m
Max. Suction lift during operation.	2 m
Liquid:	A
Pumped liquid:	Water
Liquid temperature range:	-10 45 °C
Liquid temperature during operation:	20 °C
Density:	998.2 kg/m ³
Electrical data:	
Maximum power input - P1:	22 W
Mains frequency:	50 Hz
Rated voltage:	1 x 100-240 V
Enclosure class (IEC 34-5):	IP65 / NEMA 4X
ength of cable:	1.5 m
Type of cable plug:	EU
nrush current:	25A at 230V for 2ms
Controls:	
Control variant:	AR
Control panel:	FRONT-MOUNTED
evel control:	YES
Analog input:	0/4-20 MA
Pulse control:	YES
Ext. Stop input:	YES



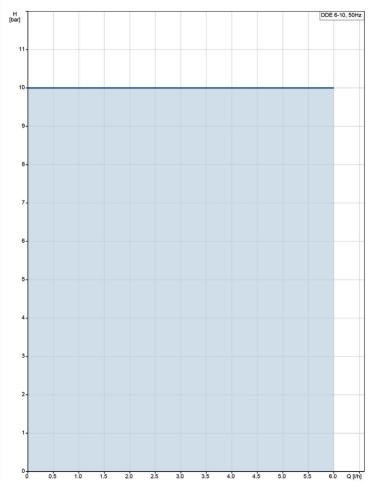


Product No.: 97720927 DDE 6-10 DDE 6-10 B-PVC/V/C-X-31U2U2FG

Description	Value	H [ber]	
General information:			
Product name:	DDE 6-10	11-	
Product No:	97720927		
EAN number:	5710622710472	10-	
Technical:		9-	
Type key:	DDE 6-10 B-PVC/V/C-X-31U2U2FG	9-	
Max. Flow:	6 l/h		
Min flow:	6,0 ml/h	8-	
Turn-down ratio:	1:1000		
Approvals on nameplate:	CE,CSA-US,NSF61,EAC, RCM	7-	
Valve type:	Standard		
Maximum viscosity at 100 %:	50 mPas	6-	
Maximum viscosity in slow mode 50 %:	N/A mPas		
Maximum viscosity in slow mode 25 %:	N/A mPas		
Accuracy of repeatability:	5%	5-	
Materials:		4-	
Dosing head:	PVC (Polyvinyl chloride)		
Valve ball:	Ceramic		
Gasket:	FKM	3-	
nstallation:			
Range of ambient temperature:	045 °C	2-	
Maximum operating pressure:	10 bar		
Installation set:	NO	1-	
Installation type:	No installation set	1	
Pump inlet:	4/6, 6/9, 6/12, 9/12 mm		
Pump outlet:	4/6, 6/9, 6/12, 9/12 mm	0 0.5	5 1.0 1.5 2.0
Max. Suction lift during operation:	6 m	0 0.5	1.0 1.5 2.0
Max. Suction lift during priming:	2 m		
1 face state			
Liquid:			
Pumped liquid:	Water		
Liquid temperature range:	-10 45 °C		
Liquid temperature during operation:	20 °C		
Density:	998.2 kg/m³		
Electrical data:			
Maximum power input - P1:	19 W		
Mains frequency:	50 Hz		
Rated voltage:	1 x 100-240 V		
Enclosure class (IEC 34-5):	IP65 / NEMA 4X		
Length of cable:	1.5 m		
Type of cable plug:	EU		
Inrush current:	25A at 230V for 2ms		
Controls:			
	0		
Control variant:	B		
Ext. Stop input:	NO		
Others:			
Net weight:	2 kg		
Gross weight:	3 kg		
Color:	NA		



97720927 DDE 6-10 50 Hz

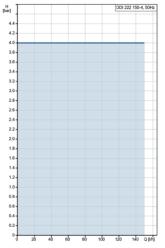




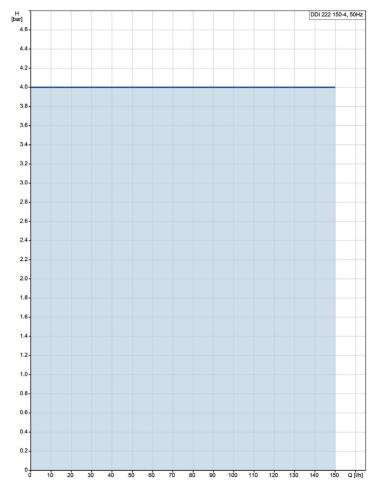
Product No.:	96689421	
Product_nar	ne:	DDI 22
EAN number		5700837

DDI 222 150-4 5700837191982

Description	Value
General information:	
Product name:	DDI 222 150-4
Product No:	96689421
EAN number:	5700837191982
Technical:	
Max. capacity:	150 l/h
Approvals on nameplate:	CE
Valve:	Standard
Materials:	
Pump housing:	PVC
Valve ball:	Glass
Gasket:	FKM
Installation:	
Maximum operating pressure:	4 bar
Pump inlet:	Tube, 13/20 mm / cementing d.25 mm
Pump outlet:	Tube, 13/20 mm / cementing d.25 mm
Liquid:	
Pumped liquid:	Water
Liquid temperature during operation:	20 °C
Density:	998.2 kg/m³
Electrical data:	
Power input - P1:	0.05 kW
Mains frequency:	50 Hz
Rated voltage:	1 x 100-240 V 50/60 Hz
Enclosure class (IEC 34-5):	IP 65
Length of cable:	1.5 m
Type of cable plug:	SCHUKO
	00110110
Controls: Control variant:	AR
Plus 3 system:	Not integrated
Control panel:	Side
Level control:	Input for dual-level sensor or external start/stop
Pulse control:	Input for pulse control integrated
4-20 mA control:	Input for analog 0/4-20 mA control integrated
Other in/output:	NO
Others:	
Flow and pressure monitoring:	Not integrated
Flow rate adjustment:	Input for pulse control, adjustment in ml/pulse
Grundfos Alldos PN:	222-150D-10002



96689421 DDI 222 150-4 50 Hz

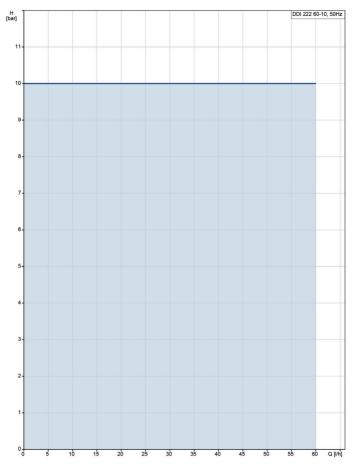




Product No.: DDI 222 bu-ru Product_name: DDI 222 bu-ru 5700836929364 Product No.: 96656199

Description	Value	H [bar]									Πl	UDI 2	22 60-	10, 51
Seneral information:														
Product name:	DDI 222 60-10	11-	-	-			-	+	-	-	-	-	-	+
Product No:	96656199													
EAN number:	5700836929364	10-												
Technical:														
Max. capacity:	60 l/h	9-												
Approvals on nameplate:	CE													
Valve:	Standard	8-												
Materials:														
Pump housing:	Stainless steel, DIN 1.4401	7-												
Valve ball:	Stainless steel, DIN 1.4401	· · · ·												
Gasket	FKM													
		6-												
Installation:														
Maximum operating pressure:	10 bar													
Pump inlet:	Threaded, Rp 1/4, female	5-												
Pump outlet:	Threaded, Rp 1/4, female													
		4-												
Liquid:	144-4													
Pumped liquid:	Water 20 °C	3-												
Liquid temperature during operation:		1												
Density:	998.2 kg/m³													
Electrical data:		2-												
Power input - P1:	0.05 kW													
Mains frequency:	50 Hz	1-												
Rated voltage:	1 x 100-240 V 50/60 Hz													
Enclosure class (IEC 34-5):	IP 65													
Length of cable:	1.5 m	0	5	10	15	20	25	30	35	40	45	50	55	Q.
Type of cable plug:	SCHUKO	-	-											
Controls:	AR													
Control variant:														
Plus 3 system:	Not integrated Side													
Control panel: Level control:	Input for dual-level sensor or													
Level control:	external start/stop													
Pulse control:	Input for pulse control integrated													
4-20 mA control:	Input for analog 0/4-20 mA control integrated													
Other in/output:	NO													
Others:														
Flow and pressure monitoring:	Not integrated													
Flow rate adjustment:	Input for pulse control,													
-	adjustment in ml/pulse													
Grundfos Alldos PN:	222-60D-10015													

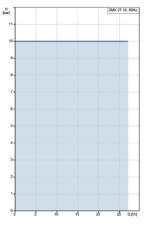
96656199 DDI 222 60-10 50 Hz





Product No.: 96376608 DMX 27-10

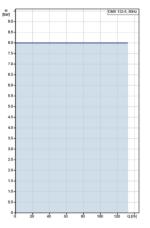
Description	Value
General information:	
Product name:	DMX 27-10
Product No:	96376608
EAN number:	5700834502743
Technical:	
Type key:	DMX 27-10 B-PVC/V/G-X-G1B1B1F
Max stroke rate:	50 1/min
Max. capacity:	27 l/h
Approvals on nameplate:	CE
Valve type:	Not spring-loaded
Maximum viscosity at 100 %:	200 mPas
Materials:	
Dosing head:	PVC
Valve ball:	Glass
Gasket	FKM
Installation:	
Maximum operating pressure:	10 bar
Pump inlet:	Tube, 6/12mm, cementing d.12mm
Pump outlet:	Tube, 6/12mm, cementing d.12mm
Max. Suction lift during operation:	1 m
Liquid:	
Pumped liquid:	Water
Liquid temperature during operation:	20 °C
Density:	998.2 kg/m³
Electrical data:	
Power input - P1:	0.090 kW
Mains frequency:	50 Hz
Rated voltage:	1 x 220-240 V, 50/60 Hz
Enclosure class (IEC 34-5):	I X 220-240 V, 50/60 HZ IP 65/F
Type of cable plug:	EU (Schuko)
Type of cable plug: Mains cable:	EU (Schuko) 1.50 m
wains cable.	1.00 m
Controls:	
Control variant:	В
Stroke control:	manual
Control panel:	No control panel (without AR control)
Level control:	Not integrated
Analog input:	Not integrated
Pulse control:	NO
Ext. Stop input:	Not integrated
Analog output:	Not integrated
Pulse control:	Not integrated
Other in/output:	Not integrated
Output relays:	Not integrated
Others:	
Flow rate adjustment:	manual
Leak detection:	NO
Grundfos Alldos PN:	221-27-10000





Product No.: 96653459 DMX 132-8

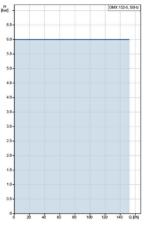
Description	Value
General information:	
Product name:	DMX 132-8
Product No:	96653459
EAN number:	5700836852945
Technical:	
Type key:	DMX 132-8
	AR-PVC/V/G-S-G1B2B2F
Max stroke rate:	50 1/min
Max. capacity:	132 l/h
Approvals on nameplate:	CE
Valve type:	Not spring-loaded
Maximum viscosity at 100 %:	400 mPas
Materials:	
Dosing head:	PVC
Valve ball:	Glass
Gasket:	FKM
Installation:	
Maximum operating pressure:	8 bar
Pump inlet:	Tube, 13/20mm, cementing d.25mm
Pump outlet:	Tube, 13/20mm, cementing d.25mm
Max. Suction lift during operation:	3 m
Liquid:	
Pumped liquid:	Water
Liquid temperature during operation:	20 °C
Density:	998.2 kg/m³
Electrical data:	
Power input - P1:	0,370 kW
Mains frequency:	50 Hz
Rated voltage:	1 x 230 V, 50 Hz
Enclosure class (IEC 34-5);	IP 65/F
Type of cable plug:	EU (Schuko)
Mains cable:	1.50 m
Controls:	
Control variant:	AR
Stroke control:	manual
Control panel:	Same side as adjustment knob
Level control:	YES
Analog input:	0/4-20 MA
Pulse control:	YES
Ext. Stop input:	YES
Analog output:	0/420 mA
Pulse control:	YES
Other in/output:	Alarm and stroke relay
	Alarm and stroke relay 2
Output relays:	2
Others:	
Flow rate adjustment:	manual
Leak detection:	NO
Grundfos Alldos PN:	226-132L-10004





Product No.: 95707919 DMX 152-6

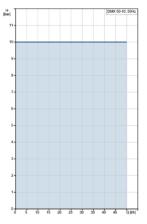
(152-6 77919 13103038851 (152-6 //C/T/C-X-E19969 /min //h mPas enhysloaded mPas entysloaded
77919 1310938851 152.6 (777/CX-E19889 min min mPas min E r r r p19/27
1310338851 (152.6 ///T/C-X-E13989 //h spring-loaded mPas
(152-6 VorTrC-X-E18989 Mmin Vh M mPas emile E F r r g 19/27
/C/T/C-X-E18989 /min spring-loaded mPas emic E f ng 19/27
/C/T/C-X-E18989 /min spring-loaded mPas emic E f ng 19/27
/C/T/C-X-E18989 /min spring-loaded mPas emic E f ng 19/27
Vh spring-loaded mPas mic E r ng 19/27
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C
2 kg/m³
0 kW
z
30/400 V, 50/60 Hz
480 V, 60 Hz
5/F
PLUG
CABLE m
ual
control panel (without AR rol)
integrated
integrated
-
integrated
ual





Product No.: 96611961 DMX 50-10

Description	Value
General information:	
Product name:	DMX 50-10
Product No:	96611961
EAN number:	5700834495953
Technical:	
Type key:	DMX 50-10
	B-PVC/V/G-X-E1B1B1
Max stroke rate:	50 1/min
Max. capacity:	50 l/h
Approvals on nameplate:	CE
Valve type:	Not spring-loaded
Maximum viscosity at 100 %:	100 mPas
Materials:	
Dosing head:	PVC
Valve ball:	Glass
Gasket	FKM
Installation:	
Maximum operating pressure:	10 bar
Pump inlet:	Tube, 6/12mm, cementing
0	d.12mm
Pump outlet:	Tube, 6/12mm, cementing d.12mm
Max. Suction lift during operation:	0.12mm 3 m
wax. Suction int during operation:	3 11
Liquid:	
Pumped liquid:	Water
Liquid temperature during operation:	20 °C
Density:	998.2 kg/m ³
benany.	ooo.a Ngriii
Electrical data:	
Power input - P1:	0.090 kW
Mains frequency:	50 Hz
Rated voltage:	3 x 230/400 V, 50/60 Hz
	440/480 V, 60 Hz
Enclosure class (IEC 34-5):	IP 65/F
Type of cable plug:	NO PLUG
Mains cable:	NO CABLE m
Controls:	
Control variant:	В
Stroke control:	manual
Control panel:	No control panel (without AR
· · · · · · · · · · · · · · · · · · ·	control)
Level control:	Not integrated
Analog input:	Not integrated
Pulse control:	NO
Ext. Stop input:	Not integrated
Analog output:	Not integrated
Pulse control:	Not integrated
Other in/output:	Not integrated
Output relays:	Not integrated
	•
Others:	
Flow rate adjustment:	manual
Leak detection:	NO
Grundfos Alldos PN:	221-50-10001

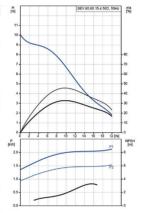






Product No.: 96047769 SEV.80.80.15.4.50D

Description	Value
General information:	
Product name:	SEV.80.80.15.4.50D
Product No:	96047769
EAN number:	5700395070262
Technical:	
Max flow:	20 l/s
Head max:	10.1 m
Type of impeller:	SUPER VORTEX
Maximum particle size:	80 mm
Primary shaft seal:	SIC/SIC
Secondary shaft seal:	CARBON/CERAMICS
Max. hydraulic efficiency:	46 %
Approvals on nameplate:	EN12050-1
Curve tolerance:	ISO9906:2012 3B2
Cooling jacket:	with cooling jacket
Materials:	
Pump housing:	EN 1561 EN-GJL-250
mpeller:	Cast iron
installation:	
Installation: Maximum ambient temperature:	40 °C
Maximum operating pressure:	6 bar
Flange standard:	DIN
Pump outlet:	DN 80
Pressure stage:	PN 10
Maximum installation depth:	20 m
inst dry/wet:	DRY/SUBMERGED
inst dry/wet: installation:	horizontal or vertical
nstallation.	nonzontal of vertical
Liquid:	
Pumped liquid:	Any Newtonian liquid
iquid temperature range:	0 40 °C
Density:	998.2 kg/m³
Electrical data:	
Power input - P1:	2.1 kW
Rated power - P2:	1.5 kW
Mains frequency:	50 Hz
Rated voltage:	3 x 380-415 V
Voltage tolerance:	+6/-10 %
Max starts per, hour:	20
Rated current:	4,2-4,2 A
Rated current at 3/4 load:	4,2-4,2 A 3.4 A
Rated current at 1/2 load;	3.4 A 3 A
Starting current:	22 A
starting current: Rated current at no load:	22 A 2.5 A
Cos phi - power factor:	2.5 A 0.76
	0.15
Cos phi - p.f. at no load:	
Cos phi - p.f. at 3/4 load:	0,68
Cos phi - p.f. at 1/2 load:	0,56
Rated speed:	1435 rpm
Locked-rotor torque:	23 Nm
Breakdown torque:	28 Nm
Moment of inertia:	0.0185 kg m ²
	72 %
Motor efficiency at full load: Motor efficiency at 3/4 load: Motor efficiency at 1/2 load:	71 %

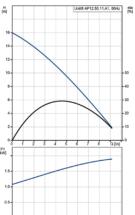


Number of poles:	4
Start. method:	direct-on-line
Enclosure class (IEC 34-5):	IP68
Insulation class (IEC 85):	F
Explosion proof:	no
Motor protec:	THERMAL SWITCH
Thermal protec:	internal
Length of cable:	10 m
Cable type:	LYNIFLEX
Type of cable plug:	NO PLUG
Controls:	
Control box:	not included
Moisture sensor:	without moisture sensors
Water-in-oil sensor:	without water-in-oil sensor
Temp. sensor:	N
Others:	
Net weight:	103 kg



Product No.: 96010981 Unilift AP12.50.11.A1 Submersible drainage pump type

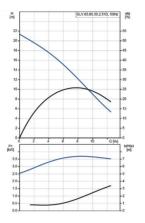
Description	Value	H (m)
Seneral information:		
Product name:	Unilift AP12.50.11.A1	
Product No:	96010981	
EAN number:	5700390901332	
Technical:		
Max flow:	8 33 1/s	
Head max:	0.33 #s	
Type of impeller:	SEMI OPEN	
Maximum particle size:	12 mm	
waximum particle size.	12 11111	
Materials:		
Pump housing:	Stainless steel	
	DIN WNr. 1.4301	
	AISI 304	
Impeller:	Stainless steel	
	DIN WNr. 1.4301	
	AISI 304	
installation:		
Pump outlet:	Rp 2	P1
Maximum installation depth:	7 m	[kW
Inst dry/wet:	D/S	
Installation:	horizontal or vertical	
Liquid:	Any Mautanian In 11	
Pumped liquid:	Any Newtonian liquid	
Liquid temperature range:	0 55 °C	-
Density:	998.2 kg/m ³	
Electrical data:		
Type of motor:	PSC	
C run:	20 µF	
Power input - P1:	1.7 kW	
P2:	1.1 kW	
Mains frequency:	50 Hz	
Rated voltage:	1 x 230 V	
Rated current:	8.5 A	
Cos phi - power factor:	0,92	
Rated speed:	2760 rpm	
Capacitor size - run:	20 µF/400 V	
Enclosure class (IEC 34-5):	IP68	
Insulation class (IEC 85);	F	
Motor protec:	CONTACT	
Thermal protec:	internal	
Length of cable:	10 m	
Type of cable plug:	SCHUKO	
Controls:		
Controls: Level switch:	float switch	
Lover stitten.	nour ownoll	
Others:		
Net weight:	15.9 kg	
Gross weight:	16.7 kg	





Product No.: 96871975 SLV.65.80.30.2.51D

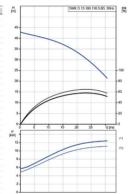
Description	Value
General information:	Value
Product name:	SLV 65 80 30 2 51D
Product No:	96871975
EAN number:	5700312446835
	0100012110000
Technical:	
Max flow:	12.5 l/s
Head max:	23.4 m
Type of impeller:	SUPER VORTEX
Maximum particle size:	65 mm
Primary shaft seal:	SIC/SIC
Secondary shaft seal:	CARBON/CERAMICS
Approvals on nameplate:	LGA
Curve tolerance:	ISO 9906:2012 Grade 3B
Materials:	
Pump housing:	Cast iron
	EN-GJL-200
Impeller:	Cast iron
	EN-GJL-200
Motor:	EN-GJL-200
Installation:	
Maximum ambient temperature:	40 °C
Flange standard:	DIN
Pump inlet:	80
Pump outlet:	80
Pressure stage:	PN 10
Maximum installation depth:	20 m
Inst dry/wet:	SUBMERGED
Installation:	VERTICAL
Frame range:	В
Liquid:	
Pumped liquid:	Any Newtonian liquid
Maximum liquid temperature:	40 °C
Density:	998.2 kg/m ³
Density.	550.2 Kg/m
Electrical data:	
Power input - P1:	3.8 kW
Rated power - P2:	3 kW
Mains frequency:	50 Hz
Rated voltage:	3 x 380-415 V
Voltage tolerance:	+10/-10 %
Max starts per. hour:	20
Rated current:	6,9-6,8 A
Rated current at 3/4 load:	5.3 A
Rated current at 1/2 load:	4.4 A
Starting current:	59.8 A
Rated current at no load:	3.3 A
Cos phi - power factor:	0,84
Cos phi - p.f. at 3/4 load:	0,78
Cos phi - p.f. at 1/2 load:	0,67
Rated speed:	2910 rpm
Number of poles:	2
Start. method:	star/delta
Enclosure class (IEC 34-5):	IP68
Insulation class (IEC 85):	F
Motor protec:	THERMAL SWITCH





Product No.: 96922661 DWK.O.13.100.110.5.0D

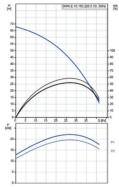
Description	Value
General information:	
Product name:	DWK.O.13.100.110.5.0D
Product No:	96922661
EAN number:	5700313724482
Technical:	
Max flow:	27.5 Vs
Head min:	23.3 m
Head max:	41 m
Actual impeller diameter:	185 mm
Type of impeller:	0
Maximum particle size:	13 mm
Primary shaft seal:	SIC-SIC
Secondary shaft seal:	CERAMIC-CARBON
Max. hydraulic efficiency:	63 %
Curve tolerance:	ISO9906:2012 3B
ouve totalance.	1000000.2012.00
Materials:	
Pump housing:	Cast iron
	EN1561 EN-GJL-200
Impeller:	Ductile cast iron
	EN1563 EN-GJS-450-10
Motor:	Cart iron
	EN1561 EN-GJL-200
Installation:	
Maximum ambient temperature:	40 °C
Pump outlet:	40 C DN 100
Maximum installation depth:	25 m
Liquid:	
Pumped liquid:	Any Newtonian liquid
Liquid temperature range:	040 *C
Density:	998.2 kg/m ³
Min. pH-value:	4
Electrical data:	
Rated power - P2:	11 kW
Mains frequency:	50 Hz
Rated voltage:	3 x 380-415 V
Voltage tolerance:	+5/-5 %
Max starts per. hour:	30
Rated current:	20.4 A
Rated current at 3/4 load:	15.4 A
Rated current at 1/2 load:	10.8 A
Cos phi - power factor:	0.92
Cos phi - p.f. at 3/4 load:	0.92
Cos phi - p.f. at 3/4 load: Cos phi - p.f. at 1/2 load:	0.91
Cos phi - p.f. at 1/2 load: Rated speed:	2850 rpm
Motor efficiency at full load:	89.5 %
Motor efficiency at 3/4 load:	90 %
Motor efficiency at 1/2 load:	89.2 %
Number of poles:	2
Start. method:	direct-on-line
Enclosure class (IEC 34-5):	IP68
Insulation class (IEC 85):	F
Explosion proof:	no
Length of cable: Cable type:	10 m TP90/TP90





Product No.: 96922668 DWK.E.10.150.220.5.1D

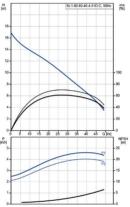
Description	Value
eneral information:	
roduct name:	DWK.E.10.150.220.5.1D
roduct No:	96922668
AN number:	5700313724550
chnical:	
ax flow:	41.4 Vs
ead min:	10.6 m
ead max:	67.9 m
tual impeller diameter:	250 mm
vpe of impeller;	E
aximum particle size:	10 mm
imary shaft seal:	SIC-SIC
econdary shaft seal:	CERAMIC-CARBON
fax. hydraulic efficiency:	58 %
urve tolerance:	ISO9906:2012 3B
laterials:	
ump housing:	Cast iron
-	EN1561 EN-GJL-200
npeller:	Ductile cast iron
	EN1563 EN-GJS-450-10
lotor:	Cart iron
	EN1561 EN-GJL-200
stallation:	
faximum ambient temperature:	40 °C
Pump outlet:	DN 150
Maximum installation depth:	25 m
iquid:	Anna Marcalan Provid
umped liquid:	Any Newtonian liquid 0 40 °C
iquid temperature range:	
Density:	998.2 kg/m³
fin. pH-value:	4
lectrical data:	
Rated power - P2:	22 KW
fains frequency:	50 Hz
ated voltage:	3 x 380-415 V
oltage tolerance:	+5/-5 %
lax starts per. hour:	18
ated current:	43 A
ated current at 3/4 load:	34 A
tated current at 3/4 load:	25 A
cated current at 1/2 load:	0,855
	0,855
os phi - p.f. at 3/4 load:	
cos phi - p.f. at 1/2 load:	0,747
tated speed:	2850 rpm
fotor efficiency at full load:	89.2 %
lotor efficiency at 3/4 load:	88.6 %
lotor efficiency at 1/2 load:	86.7 %
lumber of poles:	2
tart. method:	star/delta
nclosure class (IEC 34-5):	IP68
nsulation class (IEC 85):	F
xplosion proof:	no
ength of cable:	10 m TP90/TP90





Product No.: 98626052 SL1.80.80.40.4.51D.C

Description	Value
General information:	
Product name:	SL1.80.80.40.4.51D.C
Product No:	98626052
EAN number:	5711498465336
echnical:	
Max flow:	49.2 l/s
Head max:	17.9 m
Type of impeller:	S-TUBE
Maximum particle size:	80 mm
Primary shaft seal:	SIC/SIC
Secondary shaft seal:	CARBON/CERAMICS
Approvals on nameplate:	CE. EN12050-1
Curve tolerance:	ISO9906:2012 3B2
Cooling jacket:	without cooling jacket
Antoninia.	
Materials: Pump housing:	Cast iron (EN-GJL-250)
	EN-GJL-250
mpeller:	Cast iron (EN-GJL-250)
	EN-GJL-250
Motor:	EN-GJL-250
nstallation:	
Maximum ambient temperature:	40 °C
Flange standard:	DIN
Pump inlet:	100
Pump outlet:	80
	PN 10
Pressure stage: Maximum installation depth:	
viaximum installation deptn: nst dry/wet;	20 m SUBMERGED
Installation:	VERTICAL
Frame range:	С
_iquid:	
Maximum liquid temperature:	40 °C
Density:	998.2 kg/m ³
Electrical data:	
Power input - P1:	4.8 kW
Rated power - P2:	4 kW
Mains frequency:	50 Hz
Rated voltage:	3 x 380-415 V
/oltage tolerance:	+10/-10 %
Max starts per. hour:	20
Rated current:	10.1-10.1 A
Starting current:	65 A
Cos phi - power factor:	0.72
Cos phi - p.f. at 3/4 load:	0.63
Cos phi - p.f. at 1/2 load:	0.50
Rated speed:	1464 rpm
Aotor efficiency at full load:	87.4 %
Notor efficiency at 3/4 load:	87.1 %
	85.0 %
	00.0 70
	4
Notor efficiency at 1/2 load: Number of poles:	4 star/dalta
Number of poles: Start. method:	star/delta
Number of poles:	



GRUNDFOS (PTY) LTD

PO BOX 1456 BEDFORDVIEW 2008 Tel: +27 10 248 6000 www.grundfos.com

