

Inventflow: Grundfos A-partner

Grundfos CRN 185-6-3 A-F-A-V-HQQV

Find the pump here:

<https://inventflow.nl/en/pompenfilter/crn/grundfos-crn-185-6-3-a-f-a-v-hqqv>

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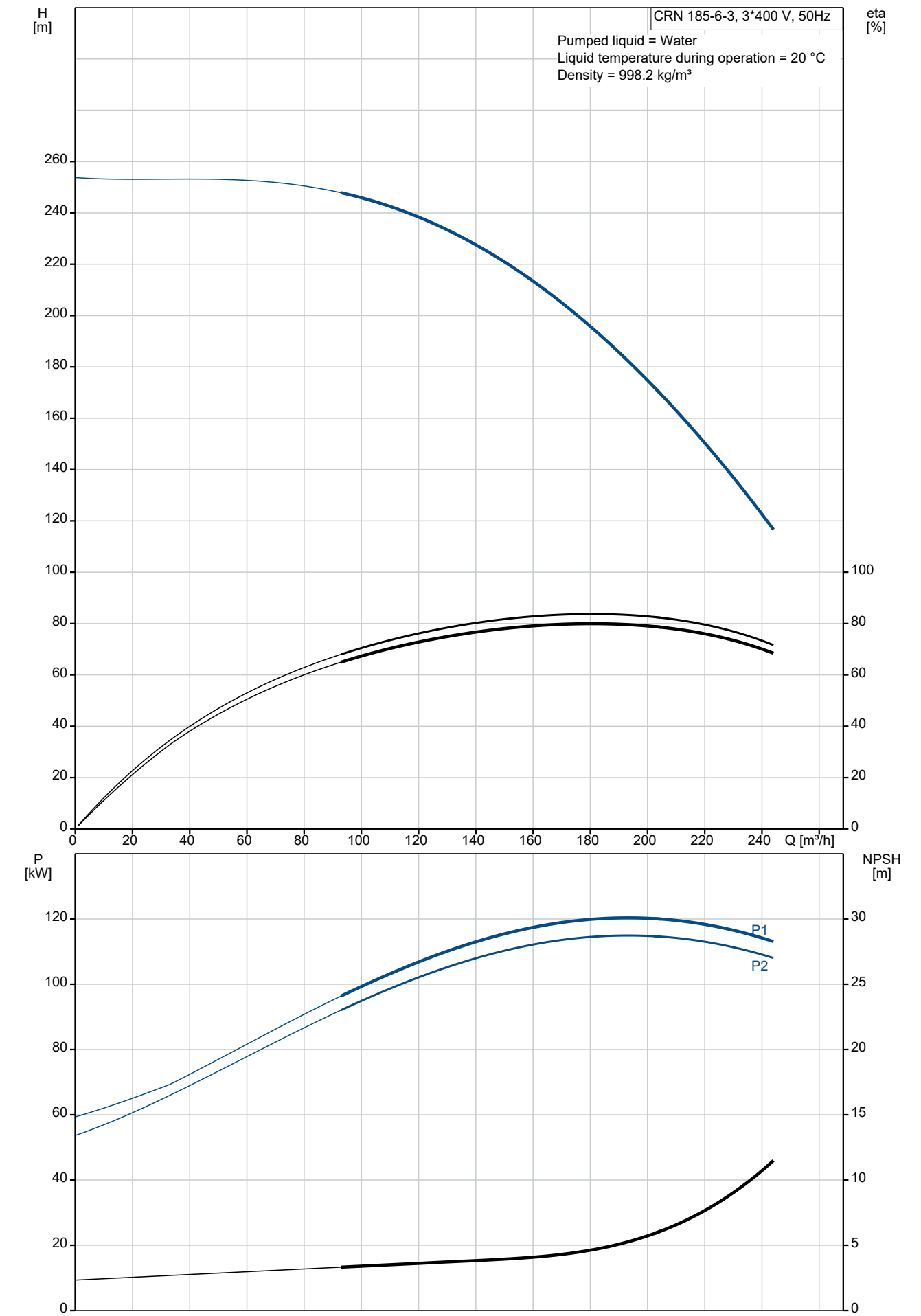
Datasheet



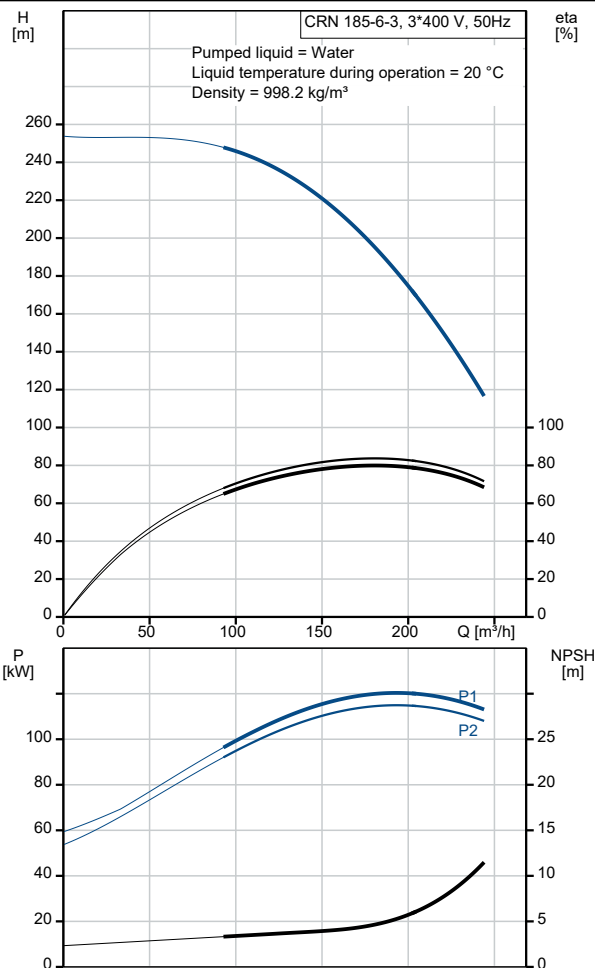
Qty.	Description																																																		
1	CRN 185-6-3 A-F-A-V-HQQV  Note! Product picture may differ from actual product Product No.: 99143761 Vertical, multistage centrifugal pump with inlet and outlet ports on same the level (inline). Pump materials in contact with the liquid are in high-grade stainless steel. A built-in thrust-handling device absorbs hydraulic axial forces which enables the use of a standard motor. The Grundfos cartridge shaft seal ensures high reliability, safe handling, and easy access and service. Power transmission is via a rigid split coupling. Pipe connection is via DIN flanges. The pump is fitted with a 3-phase, fan-cooled asynchronous motor. Liquid: <table> <tr> <td>Pumped liquid:</td><td>Water</td></tr> <tr> <td>Liquid temperature range:</td><td>-20 .. 90 °C</td></tr> <tr> <td>Selected liquid temperature:</td><td>20 °C</td></tr> <tr> <td>Density:</td><td>998.2 kg/m³</td></tr> </table> Technical: <table> <tr> <td>Pump speed on which pump data are based:</td><td>2984 rpm</td></tr> <tr> <td>Rated flow:</td><td>185 m³/h</td></tr> <tr> <td>Rated head:</td><td>190.4 m</td></tr> <tr> <td>Pump orientation:</td><td>Vertical</td></tr> <tr> <td>Shaft seal arrangement:</td><td>Single</td></tr> <tr> <td>Code for shaft seal:</td><td>HQQV</td></tr> <tr> <td>Approvals:</td><td>CE,EAC,UKCA,ACS,WRAS</td></tr> <tr> <td>Curve tolerance:</td><td>ISO9906:2012 3B</td></tr> </table> Materials: <table> <tr> <td>Base:</td><td>Stainless steel EN 1.4408</td></tr> <tr> <td>Impeller:</td><td>Stainless steel EN 1.4401</td></tr> <tr> <td>Bearing:</td><td>WC/WC</td></tr> <tr> <td>Support bearing:</td><td>Graflon</td></tr> <tr> <td>Thrust handling device:</td><td>SiC/WC</td></tr> <tr> <td>Material certified according to:</td><td>European standards</td></tr> </table> Installation: <table> <tr> <td>Maximum ambient temperature:</td><td>55 °C</td></tr> <tr> <td>Maximum operating pressure:</td><td>40 bar</td></tr> <tr> <td>Max pressure at stated temp:</td><td>25 bar / 90 °C 40 bar / 80 °C</td></tr> </table> Type of connection: DIN <table> <tr> <td>Size of inlet connection:</td><td>DN 200</td></tr> <tr> <td>Size of outlet connection:</td><td>DN 200</td></tr> <tr> <td>Pressure rating for connection:</td><td>PN 40</td></tr> <tr> <td>Flange size for motor:</td><td>FF600</td></tr> </table> Electrical data:	Pumped liquid:	Water	Liquid temperature range:	-20 .. 90 °C	Selected liquid temperature:	20 °C	Density:	998.2 kg/m ³	Pump speed on which pump data are based:	2984 rpm	Rated flow:	185 m ³ /h	Rated head:	190.4 m	Pump orientation:	Vertical	Shaft seal arrangement:	Single	Code for shaft seal:	HQQV	Approvals:	CE,EAC,UKCA,ACS,WRAS	Curve tolerance:	ISO9906:2012 3B	Base:	Stainless steel EN 1.4408	Impeller:	Stainless steel EN 1.4401	Bearing:	WC/WC	Support bearing:	Graflon	Thrust handling device:	SiC/WC	Material certified according to:	European standards	Maximum ambient temperature:	55 °C	Maximum operating pressure:	40 bar	Max pressure at stated temp:	25 bar / 90 °C 40 bar / 80 °C	Size of inlet connection:	DN 200	Size of outlet connection:	DN 200	Pressure rating for connection:	PN 40	Flange size for motor:	FF600
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Qty.	Description
	Motor standard: IEC Motor type: SIEMENS IE Efficiency class: IE3 Rated power - P2: 132 kW Power (P2) required by pump: 132 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-420D/660-725Y V Rated current: 230-210/133-121 A Starting current: 720-720 % Cos phi - power factor: 0.91 Rated speed: 2980 rpm Efficiency: IE3 95,4% Motor efficiency at full load: 95.4-95.4 % Motor efficiency at 3/4 load: 95.6-95.6 % Motor efficiency at 1/2 load: 95.2-95.2 % Number of poles: 2 Enclosure class (IEC 34-5): IP55 Insulation class (IEC 85): F Motor No: 83U15246 Controls: Frequency converter: NONE Others: Net weight: 1280 kg Gross weight: 1510 kg Shipping volume: 4.25 m³ Thrust handling device: Y Country of origin: DK Custom tariff no.: 84137075

99143761 CRN 185-6-3 A-F-A-V-HQQV 50 Hz

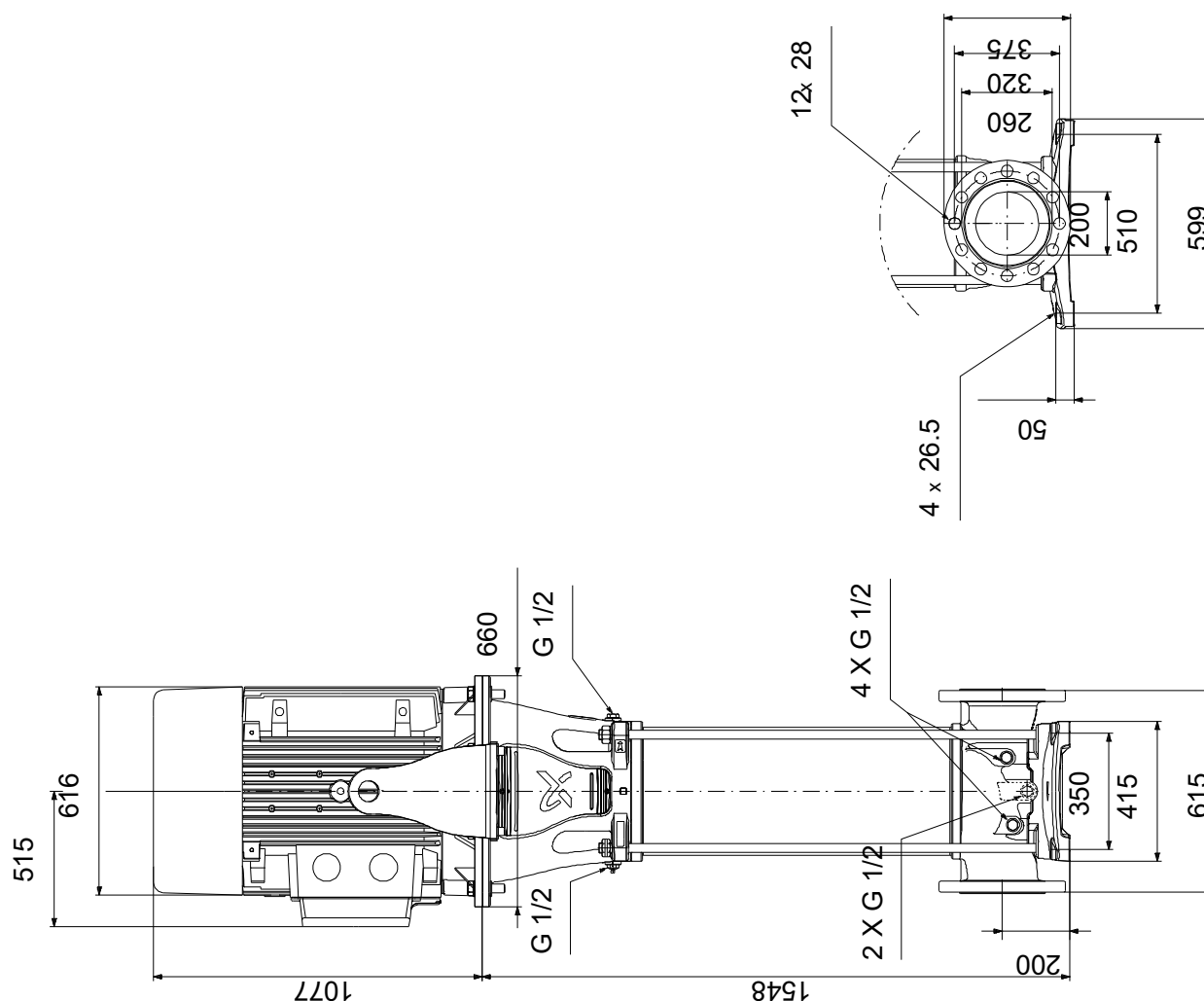


Description	Value		
General information:			
Product name:	CRN 185-6-3 A-F-A-V-HQQV		
Product No:	99143761		
EAN number:	5712607562502		
Technical:			
Pump speed on which pump data are based:	2984 rpm		
Rated flow:	185 m³/h		
Rated head:	190.4 m		
Maximum head:	253.6 m		
Stages:	6		
Impellers:	6		
Number of reduced-diameter impellers:	3		
Low NPSH:	N		
Pump orientation:	Vertical		
Shaft seal arrangement:	Single		
Code for shaft seal:	HQQV		
Approvals:	CE,EAC,UKCA,ACS,WRA S		
Curve tolerance:	ISO9906:2012 3B		
Pump version:	A		
Model:	A		
Cooling:	IC 411		
Materials:			
Base:	Stainless steel		
Base:	EN 1.4408		
Impeller:	Stainless steel		
Impeller:	EN 1.4401		
Material code:	A		
Code for rubber:	V		
Bearing:	WC/WC		
Support bearing:	Graflon		
Thrust handling device:	SiC/WC		
Material certified according to:	European standards		
Installation:			
Maximum ambient temperature:	55 °C		
Maximum operating pressure:	40 bar		
Max pressure at stated temp:	25 bar / 90 °C		
Max pressure at stated temp:	40 bar / 80 °C		
Type of connection:	DIN		
Size of inlet connection:	DN 200		
Size of outlet connection:	DN 200		
Pressure rating for connection:	PN 40		
Flange size for motor:	FF600		
Connect code:	F		
Liquid:			
Pumped liquid:	Water		
Liquid temperature range:	-20 .. 90 °C		
Selected liquid temperature:	20 °C		
Density:	998.2 kg/m³		
Electrical data:			
Motor standard:	IEC		
Motor type:	SIEMENS		
IE Efficiency class:	IE3		
Rated power - P2:	132 kW		
Power (P2) required by pump:	132 kW		
Mains frequency:	50 Hz		
Rated voltage:	3 x 380-420D/660-725Y V		
Rated current:	230-210/133-121 A		
Starting current:	720-720 %		
Cos phi - power factor:	0.91		
Rated speed:	2980 rpm		
Efficiency:	IE3 95,4%		



Description	Value
Motor efficiency at full load:	95.4-95.4 %
Motor efficiency at 3/4 load:	95.6-95.6 %
Motor efficiency at 1/2 load:	95.2-95.2 %
Number of poles:	2
Enclosure class (IEC 34-5):	IP55
Insulation class (IEC 85):	F
Motor protec:	PTC
Motor No:	83U15246
Controls:	
Frequency converter:	NONE
Others:	
Net weight:	1280 kg
Gross weight:	1510 kg
Shipping volume:	4.25 m ³
Thrust handling device:	Y
Country of origin:	DK
Custom tariff no.:	84137075

99143761 CRN 185-6-3 A-F-A-V-HQQV 50 Hz



Note! All units are in [mm] unless others are stated.
Disclaimer: This simplified dimensional drawing does not show all details.

Spare parts CRN 185-6-3, Product No. 99143761
Produced After 2040 (production year and week number)

Pos	Omschrijving	Opmerking tekst	Classificatie Gegevens	Onderdeelnr.	Aantal	Eenheid
-	Kit, bearing			99415827	1	pcs
47g	Lock ring				2	
47a	Bearing				2	
48a	Nut				2	
-	Kit, coupling			99190044	1	pcs
-	Coupling cpl.				1	
10a	Coupling				2	
9	Hex socket head cap screw		Designation: DIN 912		4	
			Length (mm): 45			
			Thread: M16			
10	Parallel pin				1	
-	Kit, coupling guard			99196382	2	pcs
7b	Lock washer				2	
7a	Screw				2	
7	Coupling guard				1	
-	Kit, flange			99432764	1	pcs
440b	Retaining ring				1	
440a	Flange				1	
-	Kit, impeller,bearing			99432573	1	pcs
48	Nut				1	
49b	Split cone				1	
49	Impeller				1	
-	Kit, impeller,bush			99124963	2	pcs
48	Nut				1	
49b	Split cone				1	
49	Impeller				1	
-	Kit, impeller,red.bearing			99432583	1	pcs
48	Nut				1	
49b	Split cone				1	
49a	Impeller				1	
-	Kit, impeller,red.bush			99124977	2	pcs
48	Nut				1	
49b	Split cone				1	
49a	Impeller				1	
-	Kit, O-rings			99262395	1	pcs
37	O-ring				2	
38	O-ring		Diameter: 16,3		8	
			Material type: FKM			
			Thickness: 2,4			
109	O-ring				1	
110	O-ring				1	
-	Kit, O-rings			99262404	1	pcs
-	O-ring set				1	
120j	O-ring				3	
120i	O-ring				1	
120c	O-ring				1	
-	Kit, plug			99262371	1	pcs
-	Plug				7	
25	Plug				1	
38	O-ring		Diameter: 16,3		1	
			Material type: FKM			
			Thickness: 2,4			
-	Air vent screw				1	
- 18	Air vent screw				1	
	Spindle					
	Plug					
38	O-ring		Diameter: 16,3		1	
			Material type: FKM			
			Thickness: 2,4			

Pos	Omschrijving	Opmerking tekst	Classificatie Gegevens	Onderdeelnr.	Aantal	Eenheid
-	Kit, shaft seal HQQV			99262355	1	pcs
	Grinding device				1	
105	Shaft seal				1	
-	Kit, shaft seal wear parts			99262363	1	pcs
	Adjusting fork				1	
	Grinding device				1	
102	O-ring				1	
103	Seal ring, stationary				1	
104	Seal ring, rotating				1	
107	O-ring				1	
109	O-ring				1	
110	O-ring				1	
113	Socket set screw				3	
-	Kit, staybolts			99190122	4	pcs
26	Staybolt				1	
36	Nut				1	
66a	Washer				1	
-	Kit, strap			99190074	4	pcs
26c	Washer	Designation: DIN 125A Thickness: 1,6			1	
26b	Hex head screw				1	
26a	Strap				1	
-	Kit, thrust handling			99445739	1	pcs
-	Thrust handling set				1	
	Pin				3	
120h	Lifting plate				1	
120g	Ring				1	
120f	Nut				1	
120e	Wedge lock washer				1	
120d	Ring				1	
120b	Ring				1	
120a	Thrust disc				1	
26c	Washer				6	
26b	Hex socket head cap screw				6	
-	Kit, wear parts			99262430	1	pcs
	Adjusting fork				1	
45	Neck ring				8	
47d	Lock washer				6	
47c	Bush				6	
65	Neck ring retainer				8	
	Half key			99956338	1	pcs
-	Motor				1	pcs
156	Kit, fan			98339870	1	
151	Kit, fan cover			98768548	1	
	Kit, lubrication nipple			98360053	1	
176	Kit, terminal board			98359966	1	
164a	Kit, terminal box			98360006	1	
2	Cover			99196502	1	pcs
+ 3	Chamber			99262613	1	pcs
+ 3	Chamber			99262671	1	pcs
+ 3	Chamber			99196663	1	pcs
+ 4a	Chamber			99446246	2	pcs
+ 4a	Chamber			99446267	2	pcs
+ 4a	Chamber			99415895	2	pcs
+ 4	Chamber			99262611	3	pcs
+ 4	Chamber			99262669	3	pcs
+ 4	Chamber			99196661	3	pcs
6	Base			99196479	1	pcs
26c	Washer	Designation: DIN 125A Thickness: 1,6		99262704	4	pcs
26c	Washer			99262705	6	pcs
26c	Washer			99262706	6	pcs
26c	Washer	Designation: DIN 125A Thickness: 1,6		99886930	4	pcs

Pos	Omschrijving	Opmerking tekst	Classificatie Gegevens	Onderdeelnr.	Aantal	Eenheid
26b	Hex socket head cap screw			99262702	6	pcs
26b	Hex socket head cap screw			99262703	6	pcs
28	Hex nut		Thread: M16	97511792	8	pcs
36	Nut			99262695	4	pcs
+ 44	Suction part			99196617	1	pcs
44a	Discharge part			99196623	1	pcs
48	Nut			99446218	2	pcs
48	Nut			99262682	4	pcs
48	Nut			99446220	2	pcs
48	Nut			99262685	4	pcs
49a	Impeller			99262547	3	pcs
49	Impeller			99262535	3	pcs
49a	Impeller			99262571	3	pcs
49	Impeller			99262559	3	pcs
49b	Split cone			99262688	6	pcs
49b	Split cone			99262691	6	pcs
56	Base plate			99196492	1	pcs
66a	Washer			99262698	4	pcs
66a	Washer			99262696	16	pcs
120k	Flange			99262452	1	pcs
120j	O-ring			99262708	3	pcs