

DWK pumps

0.75 - 90 kW

50 Hz



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1. Introduction

This data booklet describes the Grundfos DWK dewatering pumps.



TM06 9174 1817

Fig. 1 DWK pump for free-standing installation

The pumps are designed with enclosed or semi-open impeller, for use in a wide range of applications in industrial and construction building sites.

The pumps are made of resistant materials, such as cast iron and high-chrome stainless steel. These materials ensure proper operation.

The pumps are fitted with 2-pole motors from 0.75 kW to 90.0 kW.

The free passage in the pumps is 10-20 mm. For DWK.H pumps, the free passage is 7 mm.

The pumps are available for free-standing submerged installation.

Applications

The pumps are ideal for transferring the following liquids:

- drainage water
- surface water
- groundwater
- water containing abrasives.

DWK pumps are used in mining sites, building services, basement garages, construction building sites, low-lying rainwater catchment areas, processing industry.

Design features

DWK pumps are designed with double mechanical shaft seals. The shaft seals are in the oil chamber.

DWK pumps are available with inlet strainer for free-standing installation. Optionally, the DWK.H can be ordered for auto-coupling installation.

The pumps can be installed as single pumps or be part of multi-pump installations.

If required, the impeller diameter can be reduced to match a specific duty point.

Outlet connection

- Standard material versions have a DIN flange connection as standard.
- R high-grade material versions have hose coupling as standard.

Other outlet connections, or a version without outlet connection, are available on request. See *Variants* on page 12.

The following sections give further constructional details on the pump models DWK.O, DWK.E and DWK.H.

DWK.O

- Watertight cable entry preventing water from penetrating into the motor.
- No extra cable is required for sensors.
- Thermal protection through a PTO located in the coil head, requires outside control through signal wires of the power cable, except for the following models:
 DWK.O.x.x.075.x.x.R
 DWK.O.x.x.15.x.x.R
 DWK.O.x.x.22.x.x.R
 DWK.O.x.x.37.x.0D.R.
- The above versions are equipped with a Klixon MW circuit breaker built in the motor compartment. It has an automatic reset and does not require outside control.
- Seal sensor for continuous monitoring of motor enclosure for liquid detection, except for the following models:
 DWK.O.x.x.075.x.x
 DWK.O.x.x.15.x.x
 DWK.O.x.x.22.x.x
 DWK.O.x.x.37.x.x.
- Top outlet for compact and narrow design.
- Cooling jacket contributes to motor cooling by keeping water level around the motor.
- In R-versions, high-chrome stainless-steel impeller and spheroidal graphite iron inlet cover for increased wear resistance, if the pumped liquid contains abrasives. Stainless steel strainer for increased corrosion resistance.
- Double mechanical shaft seal (SiC-SiC) for heavy-duty conditions.
- High-efficiency motor for high and stable performance and low operating costs.

DWK.E

- Triple cable entry system, including a rubber ring and a rubber diaphragm. To ensure waterproof operation, the rubber diaphragm is filled with epoxy.
- No extra cable is required for sensors, except for the following models:
DWK.E.x.x.750.x.x.x
DWK.E.x.x.900.x.x.x.
- Thermal protection through a Klixon 17AM located in the coil head, requires outside control through signal wires of the power cable.
- Seal sensor for continuous monitoring of motor enclosure for liquid detection.
- Top outlet for compact and narrow design.
- Cooling jacket contributes to motor cooling by keeping water level at the top of the inlet strainer.
- In R-versions, high-chrome stainless steel impeller and spheroidal graphite iron inlet cover for increased wear resistance, if the pumped liquid contains abrasives. Stainless steel strainer for increased corrosion resistance.
- Triple sealing system consisting of a double mechanical shaft seal (SiC-SiC) in the oil chamber and an extra lip seal to withstand heavy-duty conditions.
- High-efficiency motor for high and stable performance and low operating costs.

DWK.H

- Triple cable entry system, including a rubber ring and a rubber diaphragm. To ensure waterproof operation, the rubber diaphragm is filled with epoxy
- No extra cable is required for sensors, except for the following models:
– DWK.H.x.x.750.x.x.x
– DWK.H.x.x.900.x.x.x.
- Thermal protection through a Klixon 17AM located in the coil head, requires outside control through signal wires of the power cable.
- Seal sensor for continuous monitoring of motor enclosure for liquid detection.
- Cooling jacket contributes to motor cooling by keeping the water level at the top of the inlet strainer.
- Top outlet for compact and narrow design.
- Two stage cast-iron impeller for high and stable performance.
- Double mechanical shaft seal (SiC-SiC) for heavy-duty conditions.
- High-efficiency motor for high and stable performance and low operating costs.

2. Identification

Nameplate

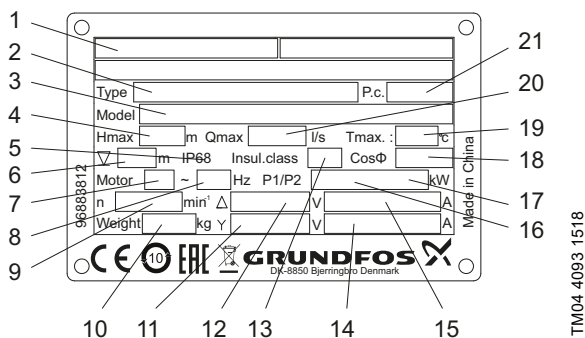


Fig. 2 DWK nameplate

Pos.	Description
1	Notified body
2	Type designation
3	Product number and serial number
4	Maximum head [m]
5	Enclosure class
6	Maximum installation depth [m]
7	Number of phases
8	Frequency [Hz]
9	Speed [min ⁻¹]
10	Weight [kg]
11	Rated voltage [V], star connection
12	Rated voltage [V], delta connection
13	Insulation class
14	Rated current [A], star connection
15	Rated current [A], delta connection
16	Motor input power P1 [kW]
17	Motor output power P2 [kW]
18	Power factor
19	Maximum liquid temperature [°C]
20	Maximum flow [m ³ /h]
21	Production code [year/week]

Type key

Note: Pumps are not available in all variants.

DWK

Example: DWK.O.6.50.075.5.0D.R

Code	Description	Explanation
DWK	Dewatering pump	Pump type
O	Semi-open impeller	Impeller type
E	Enclosed impeller	
H	High-head, double impeller	
6	Maximum solids size [mm]	Strainer hole size
50	Nominal outlet diameter [mm]	Pump outlet
12 ¹	Output power P2 / 10 12 = 1.2 kW	Power [kW]
[]	Standard	Equipment
S	Sensor	
5	50 Hz	Frequency [Hz]
0D	380-415 V, DOL	Voltage and starting method
1D	380-415 V, Y/D	
0E	220-240 V, DOL	
1E	220-240 V, Y/D	
[]	Standard	Pump version
A	Auto coupling ²	
R	Cast iron ³	
S	Stainless steel	
1	Without outlet ⁴	Customisation
Z	Custom-built variant	

- 1 Exception: 075 = 0.75 kW
- 2 Only for DWK.H range
- 3 Pump with high-chrome stainless-steel impeller and stainless-steel inlet strainer.
- 4 For DWK pumps up to 30 kW

3. Product selection

Ordering a pump

Prior to ordering a pump, consider the following:

- pump type
- custom-built variant (option)
- accessories
- controller
- outlet connection type

Note: DWK.H has a flanged outlet as standard.

Once the pump type is selected, the most suitable pump can be identified. See sections *Product range* on page 8, and *Type key* on page 5. The list below shows a detailed description of an ordered product:

Pump	Product number
DWK.O.6.50.075.5.0E	96922640

- Pump as specified in the type key
- 10 m cable
- Paint: NCS S9000-N (black), gloss code 35, thickness 100 µm
- Tested according to ISO 9906:2012, grade 3B.
- As standard, DWK is equipped with a DIN flange outlet connection.
- As standard, DWK.R version is equipped with a hose outlet connection and Hi-Crome inlet strainer and impeller.

Note: Product specific data can be found in Grundfos Product Center at www.grundfos.com.

For further details about *Grundfos Product Center* on page 91.

Custom-built variants

The pumps can be customised to meet individual requirements. Several pump features and options are available for customisation, such as voltage, various cable lengths and special materials.

For an overview, see *Variants* on page 12. For requirements or designs not mentioned in the table, contact Grundfos.

Accessories

Depending on the installation type, accessories may be required. See *Accessories* on page 88, for selection of the correct accessories.

Note: Accessories are not fitted.

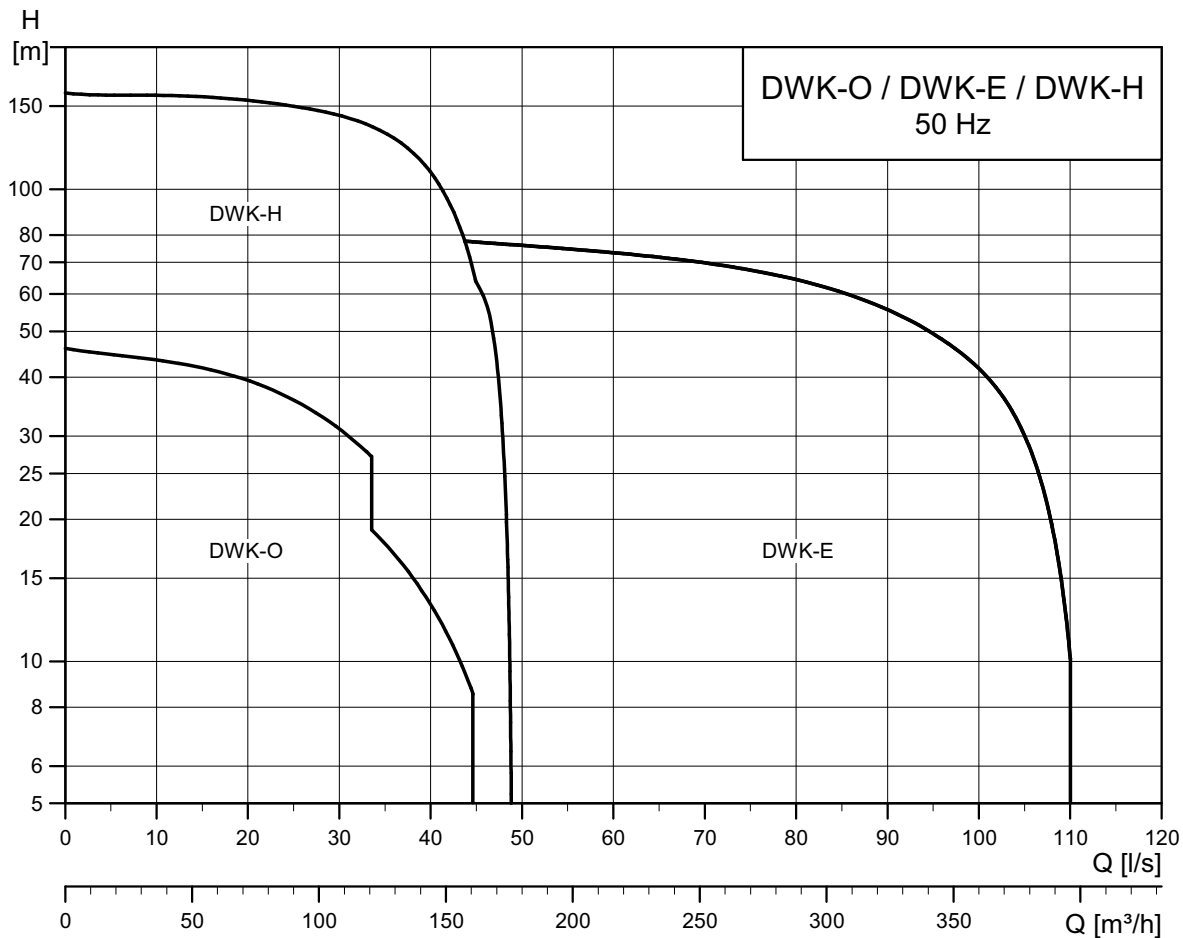
Monitoring units and controllers

The following monitoring units and controllers are available:

- GU01 (control system)
- GU02 (control system)
- LC 231 level controller with integrated motor protection
- LC 241 level controller a cabinet solution allowing setup customisation.

4. Performance range

Performance ranges



TM04 2949 4219

Fig. 3 Performance range, DWK

DWK	
Pump type	Page
DWK.O.6.50.075	48
DWK.O.6.50.15	49
DWK.O.6.50.22	50
DWK.O.6.80.15	51
DWK.O.6.80.22	52
DWK.O.10.80.37	53
DWK.O.13.80.55	54
DWK.O.10.100.37	55
DWK.O.13.100.55	56
DWK.O.13.100.75	57
DWK.O.13.100.110	58
DWK.O.13.100.150	59
DWK.O.13.150.75	60
DWK.O.13.150.110	61
DWK.O.13.150.150	62

DWK	
Pump type	Page
DWK.E.10.100.220	63
DWK.E.10.150.220	64
DWK.E.10.150.300	65
DWK.E.10.150.370	66
DWK.E.10.150.450	67
DWK.E.10.150.550	68
DWK.E.10.200.300	69
DWK.E.10.200.370	70
DWK.E.10.200.450	71
DWK.E.10.200.550	72
DWK.E.10.200.750	73
DWK.E.10.200.900	74
DWK.H.7.80.110	75
DWK.H.7.80.150	76
DWK.H.7.100.220	77
DWK.H.7.100.300	78
DWK.H.7.100.370	79
DWK.H.7.150.450	80
DWK.H.7.150.550	81
DWK.H.7.150.750	82
DWK.H.7.150.900	83

5. Product range

DWK.O

Pump type	Voltage	Starting method	Thermal protection	Impeller type	Outlet	Product number
DWK.O.6.50.075.5.0D	3 × 380-415 V Y	DOL	PTO	Semi-open	Flange	96922639
DWK.O.6.50.075.5.0E	3 × 220-240 V D	DOL	PTO	Semi-open	Flange	96922640
DWK.O.6.50.075.5.0D.R	3 × 380-415 V Y	DOL	Klixon MW	Semi-open	Hose	96922719
DWK.O.6.50.075.5.0E.R	3 × 220-240 V Y	DOL	Klixon MW	Semi-open	Hose	96922720
DWK.O.6.50.15.5.0D	3 × 380-415 V Y	DOL	PTO	Semi-open	Flange	96922641
DWK.O.6.50.15.5.0E	3 × 220-240 V D	DOL	PTO	Semi-open	Flange	96922642
DWK.O.6.50.15.5.0D.R	3 × 380-415 V Y	DOL	Klixon MW	Semi-open	Hose	96922721
DWK.O.6.50.15.5.0E.R	3 × 220-240 V Y	DOL	Klixon MW	Semi-open	Hose	96922722
DWK.O.6.50.22.5.0D	3 × 380-415 V Y	DOL	PTO	Semi-open	Flange	96922645
DWK.O.6.50.22.5.0E	3 × 220-240 V D	DOL	PTO	Semi-open	Flange	96922646
DWK.O.6.50.22.5.0D.R	3 × 380-415 V Y	DOL	Klixon MW	Semi-open	Hose	96922725
DWK.O.6.50.22.5.0E.R	3 × 220-240 V Y	DOL	Klixon MW	Semi-open	Hose	96922726
DWK.O.6.80.15.5.0D	3 × 380-415 V Y	DOL	PTO	Semi-open	Flange	96922643
DWK.O.6.80.15.5.0E	3 × 220-240 V D	DOL	PTO	Semi-open	Flange	96922644
DWK.O.6.80.15.5.0D.R	3 × 380-415 V Y	DOL	Klixon MW	Semi-open	Hose	96922723
DWK.O.6.80.15.5.0E.R	3 × 220-240 V Y	DOL	Klixon MW	Semi-open	Hose	96922724
DWK.O.6.80.22.5.0D	3 × 380-415 V Y	DOL	PTO	Semi-open	Flange	96922647
DWK.O.6.80.22.5.0E	3 × 220-240 V D	DOL	PTO	Semi-open	Flange	96922648
DWK.O.6.80.22.5.0D.R	3 × 380-415 V Y	DOL	Klixon MW	Semi-open	Hose	96922727
DWK.O.6.80.22.5.0E.R	3 × 220-240 V Y	DOL	Klixon MW	Semi-open	Hose	96922728
DWK.O.10.100.37.5.0D	3 × 380-415 V Y	DOL	PTO	Semi-open	Flange	96922651
DWK.O.10.100.37.5.0E	3 × 220-240 V D	DOL	PTO	Semi-open	Flange	96922652
DWK.O.10.100.37.5.0D.R	3 × 380-415 V Y	DOL	Klixon MW	Semi-open	Hose	96922731
DWK.O.10.100.37.5.0E.R	3 × 220-240 V D	DOL	PTO	Semi-open	Hose	96922732
DWK.O.10.80.37.5.0D	3 × 380-415 V Y	DOL	PTO	Semi-open	Flange	96922649
DWK.O.10.80.37.5.0E	3 × 220-240 V D	DOL	PTO	Semi-open	Flange	96922650
DWK.O.10.80.37.5.0D.R	3 × 380-415 V Y	DOL	Klixon MW	Semi-open	Hose	96922729
DWK.O.10.80.37.5.0E.R	3 × 220-240 V D	DOL	PTO	Semi-open	Hose	96922730
DWK.O.13.80.55.5.0D	3 × 380-415 V Y	DOL	PTO	Semi-open	Flange	96922653
DWK.O.13.80.55.5.0E	3 × 220-240 V D	DOL	PTO	Semi-open	Flange	96922654
DWK.O.13.80.55.5.0D.R	3 × 380-415 V Y	DOL	PTO	Semi-open	Hose	96922733
DWK.O.13.80.55.5.0E.R	3 × 220-240 V D	DOL	PTO	Semi-open	Hose	96922734
DWK.O.13.80.55.5.1D	3 × 380-415 V D	Y/D	PTO	Semi-open	Flange	96926046
DWK.O.13.80.55.5.1E	3 × 220-240 V D	Y/D	PTO	Semi-open	Flange	96926047
DWK.O.13.80.55.5.1D.R	3 × 380-415 V D	Y/D	PTO	Semi-open	Hose	96926078
DWK.O.13.80.55.5.1E.R	3 × 220-240 V D	Y/D	PTO	Semi-open	Hose	96926079
DWK.O.13.100.55.5.0D	3 × 380-415 V Y	DOL	PTO	Semi-open	Flange	96922655
DWK.O.13.100.55.5.0E	3 × 220-240 V D	DOL	PTO	Semi-open	Flange	96922656
DWK.O.13.100.55.5.0D.R	3 × 380-415 V Y	DOL	PTO	Semi-open	Hose	96922735
DWK.O.13.100.55.5.0E.R	3 × 220-240 V D	DOL	PTO	Semi-open	Hose	96922736
DWK.O.13.100.55.5.1D	3 × 380-415 V D	Y/D	PTO	Semi-open	Flange	96926048
DWK.O.13.100.55.5.1E	3 × 220-240 V D	Y/D	PTO	Semi-open	Flange	96926049
DWK.O.13.100.55.5.1D.R	3 × 380-415 V D	Y/D	PTO	Semi-open	Hose	96926080
DWK.O.13.100.55.5.1E.R	3 × 220-240 V D	Y/D	PTO	Semi-open	Hose	96926081
DWK.O.13.100.75.5.0D	3 × 380-415 V Y	DOL	PTO	Semi-open	Flange	96922657
DWK.O.13.100.75.5.0E	3 × 220-240 V D	DOL	PTO	Semi-open	Flange	96922658
DWK.O.13.100.75.5.0D.R	3 × 380-415 V Y	DOL	PTO	Semi-open	Hose	96922737
DWK.O.13.100.75.5.0E.R	3 × 220-240 V D	DOL	PTO	Semi-open	Hose	96922738
DWK.O.13.100.75.5.1D	3 × 380-415 V D	Y/D	PTO	Semi-open	Flange	96926050
DWK.O.13.100.75.5.1E	3 × 220-240 V D	Y/D	PTO	Semi-open	Flange	96926051
DWK.O.13.100.75.5.1D.R	3 × 380-415 V D	Y/D	PTO	Semi-open	Hose	96926082
DWK.O.13.100.75.5.1E.R	3 × 220-240 V D	Y/D	PTO	Semi-open	Hose	96926083
DWK.O.13.100.110.5.0D	3 × 380-415 V Y	DOL	PTO	Semi-open	Flange	96922661
DWK.O.13.100.110.5.0E	3 × 220-240 V D	DOL	PTO	Semi-open	Flange	96922662
DWK.O.13.100.110.5.0D.R	3 × 380-415 V Y	DOL	PTO	Semi-open	Hose	96922741
DWK.O.13.100.110.5.0E.R	3 × 220-240 V D	DOL	PTO	Semi-open	Hose	96922742
DWK.O.13.100.110.5.1D	3 × 380-415 V D	Y/D	PTO	Semi-open	Flange	96926054
DWK.O.13.100.110.5.1E	3 × 220-240 V D	Y/D	PTO	Semi-open	Flange	96926055
DWK.O.13.100.110.5.1D.R	3 × 380-415 V D	DOL/ Y/D	PTO	Semi-open	Hose	96926086
DWK.O.13.100.110.5.1E.R	3 × 220-240 V D	Y/D	PTO	Semi-open	Hose	96926087
DWK.O.13.100.150.5.0D	3 × 380-415 V Y	DOL	PTO	Semi-open	Flange	96922665
DWK.O.13.100.150.5.0D.R	3 × 380-415 V Y	DOL	PTO	Semi-open	Hose	96922745
DWK.O.13.100.150.5.0E	3 × 220-240 V D	DOL	PTO	Semi-open	Flange	96925963
DWK.O.13.100.150.5.0E.R	3 × 220-240 V D	DOL	PTO	Semi-open	Hose	96925989
DWK.O.13.100.150.5.1D	3 × 380-415 V D	Y/D	PTO	Semi-open	Flange	96926058

Pump type	Voltage	Starting method	Thermal protection	Impeller type	Outlet	Product number
DWK.O.13.100.150.5.1E	3 × 220-240 V D	Y/D	PTO	Semi-open	Flange	96926059
DWK.O.13.100.150.5.1D.R	3 × 380-415 V D	Y/D	PTO	Semi-open	Hose	96926090
DWK.O.13.100.150.5.1E.R	3 × 220-240 V D	Y/D	PTO	Semi-open	Hose	96926091
DWK.O.13.150.75.5.0D	3 × 380-415 V Y	DOL	PTO	Semi-open	Flange	96922659
DWK.O.13.150.75.5.0E	3 × 220-240 V D	DOL	PTO	Semi-open	Flange	96922660
DWK.O.13.150.75.5.0D.R	3 × 380-415 V Y	DOL	PTO	Semi-open	Hose	96922739
DWK.O.13.150.75.5.0E.R	3 × 220-240 V D	DOL	PTO	Semi-open	Hose	96922740
DWK.O.13.150.75.5.1D	3 × 380-415 V D	Y/D	PTO	Semi-open	Flange	96926052
DWK.O.13.150.75.5.1E	3 × 220-240 V D	Y/D	PTO	Semi-open	Flange	96926053
DWK.O.13.150.75.5.1D.R	3 × 380-415 V D	Y/D	PTO	Semi-open	Hose	96926084
DWK.O.13.150.75.5.1E.R	3 × 220-240 V D	Y/D	PTO	Semi-open	Hose	96926085
DWK.O.13.150.110.5.0D	3 × 380-415 V Y	DOL	PTO	Semi-open	Flange	96922663
DWK.O.13.150.110.5.0E	3 × 220-240 V D	DOL	PTO	Semi-open	Flange	96922664
DWK.O.13.150.110.5.0D.R	3 × 380-415 V Y	DOL	PTO	Semi-open	Hose	96922743
DWK.O.13.150.110.5.0E.R	3 × 220-240 V D	DOL	PTO	Semi-open	Hose	96922744
DWK.O.13.150.110.5.1D	3 × 380-415 V D	Y/D	PTO	Semi-open	Flange	96926056
DWK.O.13.150.110.5.1E	3 × 220-240 V D	Y/D	PTO	Semi-open	Flange	96926057
DWK.O.13.150.110.5.1D.R	3 × 380-415 V D	Y/D	PTO	Semi-open	Hose	96926088
DWK.O.13.150.110.5.1E.R	3 × 220-240 V D	Y/D	PTO	Semi-open	Hose	96926089
DWK.O.13.150.150.5.0D	3 × 380-415 V Y	DOL	PTO	Semi-open	Flange	96922666
DWK.O.13.150.150.5.0D.R	3 × 380-415 V Y	DOL	PTO	Semi-open	Hose	96922746
DWK.O.13.150.150.5.0E	3 × 220-240 V D	DOL	PTO	Semi-open	Flange	96925964
DWK.O.13.150.150.5.0E.R	3 × 220-240 V D	DOL	PTO	Semi-open	Hose	96925990
DWK.O.13.150.150.5.1D	3 × 380-415 V D	Y/D	PTO	Semi-open	Flange	96926060
DWK.O.13.150.150.5.1E	3 × 220-240 V D	Y/D	PTO	Semi-open	Flange	96926061
DWK.O.13.150.150.5.1D.R	3 × 380-415 V D	Y/D	PTO	Semi-open	Hose	96926092
DWK.O.13.150.150.5.1E.R	3 × 220-240 V D	Y/D	PTO	Semi-open	Hose	96926093

DWK.E

Pump type	Voltage	Starting method	Thermal protection	Impeller type	Outlet	Product number
DWK.E.10.100.220.5.1D	3 × 380-415 V D		Klixon 17AM	Enclosed	Flange	96922667
DWK.E.10.100.220.5.1D.R	3 × 380-415 V D	Y/D	Klixon 17AM	Enclosed	Hose	96922747
DWK.E.10.100.220.5.1E	3 × 220-240 V D	Y/D	Klixon 17AM	Enclosed	Flange	96925967
DWK.E.10.100.220.5.1E.R	3 × 220-240 V D	Y/D	Klixon 17AM	Enclosed	Hose	96925991
DWK.E.10.150.220.5.1D	3 × 380-415 V D	Y/D	Klixon 17AM	Enclosed	Flange	96922668
DWK.E.10.150.220.5.1D.R	3 × 380-415 V D	Y/D	Klixon 17AM	Enclosed	Hose	96922748
DWK.E.10.150.220.5.1E	3 × 220-240 V D	Y/D	Klixon 17AM	Enclosed	Flange	96925968
DWK.E.10.150.220.5.1E.R	3 × 220-240 V D	Y/D	Klixon 17AM	Enclosed	Hose	96925992
DWK.E.10.150.300.5.1D	3 × 380-415 V D	Y/D	Klixon 17AM	Enclosed	Flange	96922669
DWK.E.10.150.300.5.1D.R	3 × 380-415 V D	Y/D	Klixon 17AM	Enclosed	Hose	96922749
DWK.E.10.150.300.5.1E	3 × 220-240 V D	Y/D	Klixon 17AM	Enclosed	Flange	96925969
DWK.E.10.150.300.5.1E.R	3 × 220-240 V D	Y/D	Klixon 17AM	Enclosed	Hose	96925993
DWK.E.10.150.370.5.1D	3 × 380-415 V D	Y/D	Klixon 17AM	Enclosed	Flange	96922671
DWK.E.10.150.370.5.1D.R	3 × 380-415 V D	Y/D	Klixon 17AM	Enclosed	Hose	96922751
DWK.E.10.150.370.5.1E	3 × 220-240 V D	Y/D	Klixon 17AM	Enclosed	Flange	96925971
DWK.E.10.150.370.5.1E.R	3 × 220-240 V D	Y/D	Klixon 17AM	Enclosed	Hose	96925995
DWK.E.10.150.450.5.1D	3 × 380-415 V D	Y/D	Klixon 17AM	Enclosed	Flange	96922673
DWK.E.10.150.450.5.1D.R	3 × 380-415 V D	Y/D	Klixon 17AM	Enclosed	Hose	96922753
DWK.E.10.150.450.5.1E	3 × 220-240 V D	Y/D	Klixon 17AM	Enclosed	Flange	96925973
DWK.E.10.150.450.5.1E.R	3 × 220-240 V D	Y/D	Klixon 17AM	Enclosed	Hose	96925997
DWK.E.10.150.550.5.1D	3 × 380-415 V D	Y/D	Klixon 17AM	Enclosed	Flange	96922675
DWK.E.10.150.550.5.1D.R	3 × 380-415 V D	Y/D	Klixon 17AM	Enclosed	Hose	96922755
DWK.E.10.150.550.5.1E	3 × 220-240 V D	Y/D	Klixon 17AM	Enclosed	Flange	96925975
DWK.E.10.150.550.5.1E.R	3 × 220-240 V D	Y/D	Klixon 17AM	Enclosed	Hose	96925999
DWK.E.10.200.300.5.1D	3 × 380-415 V D	Y/D	Klixon 17AM	Enclosed	Flange	96922670
DWK.E.10.200.300.5.1D.R	3 × 380-415 V D	Y/D	Klixon 17AM	Enclosed	Hose	96922750
DWK.E.10.200.300.5.1E	3 × 220-240 V D	Y/D	Klixon 17AM	Enclosed	Flange	96925970
DWK.E.10.200.300.5.1E.R	3 × 220-240 V D	Y/D	Klixon 17AM	Enclosed	Hose	96925994
DWK.E.10.200.370.5.1D	3 × 380-415 V D	Y/D	Klixon 17AM	Enclosed	Flange	96922672
DWK.E.10.200.370.5.1D.R	3 × 380-415 V D	Y/D	Klixon 17AM	Enclosed	Hose	96922752
DWK.E.10.200.370.5.1E	3 × 220-240 V D	Y/D	Klixon 17AM	Enclosed	Flange	96925972
DWK.E.10.200.370.5.1E.R	3 × 220-240 V D	Y/D	Klixon 17AM	Enclosed	Hose	96925996
DWK.E.10.200.450.5.1D	3 × 380-415 V D	Y/D	Klixon 17AM	Enclosed	Flange	96922674
DWK.E.10.200.450.5.1D.R	3 × 380-415 V D	Y/D	Klixon 17AM	Enclosed	Hose	96922754
DWK.E.10.200.450.5.1E	3 × 220-240 V D	Y/D	Klixon 17AM	Enclosed	Flange	96925974
DWK.E.10.200.450.5.1E.R	3 × 220-240 V D	Y/D	Klixon 17AM	Enclosed	Hose	96925998
DWK.E.10.200.550.5.1D	3 × 380-415 V D	Y/D	Klixon 17AM	Enclosed	Flange	96922676
DWK.E.10.200.550.5.1D.R	3 × 380-415 V D	Y/D	Klixon 17AM	Enclosed	Hose	96922756
DWK.E.10.200.550.5.1E	3 × 220-240 V D	Y/D	Klixon 17AM	Enclosed	Flange	96925976
DWK.E.10.200.550.5.1E.R	3 × 220-240 V D	Y/D	Klixon 17AM	Enclosed	Hose	96926000
DWK.E.10.200.750.5.1D	3 × 380-415 V D	Y/D	Klixon 17AM	Enclosed	Flange	96922677
DWK.E.10.200.750.5.1D.R	3 × 380-415 V D	Y/D	Klixon 17AM	Enclosed	Hose	96922757
DWK.E.10.200.750.5.1E	3 × 220-240 V D	Y/D	Klixon 17AM	Enclosed	Flange	96925977
DWK.E.10.200.750.5.1E.R	3 × 220-240 V D	Y/D	Klixon 17AM	Enclosed	Hose	96926001
DWK.E.10.200.900.5.1D	3 × 380-415 V D	Y/D	Klixon 17AM	Enclosed	Flange	96922678
DWK.E.10.200.900.5.1D.R	3 × 380-415 V D	Y/D	Klixon 17AM	Enclosed	Hose	96922758

DWK.H

Pump type	Voltage	Starting method	Thermal protection	Impeller type	Outlet	Product number
DWK.H.7.80.110.5.0D	3 × 380-415 V D	DOL	Klixon 17AM	Enclosed - 2 stage	Flange	99509662
DWK.H.7.80.110.5.0E	3 × 220-240 V Y	DOL	Klixon 17AM	Enclosed - 2 stage	Flange	99509673
DWK.H.7.80.150.5.0D	3 × 380-415 V D	DOL	Klixon 17AM	Enclosed - 2 stage	Flange	99509674
DWK.H.7.80.150.5.0E	3 × 220-240 V Y	DOL	Klixon 17AM	Enclosed - 2 stage	Flange	99509675
DWK.H.7.100.220.5.1D	3 × 380-415 V D	Y/D	Klixon 17AM	Enclosed - 2 stage	Flange	99387154
DWK.H.7.100.220.5.1E	3 × 220-240 V Y	Y/D	Klixon 17AM	Enclosed - 2 stage	Flange	99387155
DWK.H.7.100.300.5.1D	3 × 380-415 V D	Y/D	Klixon 17AM	Enclosed - 2 stage	Flange	99387156
DWK.H.7.100.300.5.1E	3 × 220-240 V Y	Y/D	Klixon 17AM	Enclosed - 2 stage	Flange	99387157
DWK.H.7.100.370.5.1D	3 × 380-415 V D	Y/D	Klixon 17AM	Enclosed - 2 stage	Flange	99387158
DWK.H.7.100.370.5.1E	3 × 220-240 V Y	Y/D	Klixon 17AM	Enclosed - 2 stage	Flange	99387159
DWK.H.7.150.450.5.1D	3 × 380-415 V D	Y/D	Klixon 17AM	Enclosed - 2 stage	Flange	99387160
DWK.H.7.150.450.5.1E	3 × 220-240 V Y	Y/D	Klixon 17AM	Enclosed - 2 stage	Flange	99387161
DWK.H.7.150.550.5.1D	3 × 380-415 V D	Y/D	Klixon 17AM	Enclosed - 2 stage	Flange	99387162
DWK.H.7.150.550.5.1E	3 × 220-240 V Y	Y/D	Klixon 17AM	Enclosed - 2 stage	Flange	99387163
DWK.H.7.150.750.5.1D	3 × 380-415 V D	Y/D	Klixon 17AM	Enclosed - 2 stage	Flange	99387164
DWK.H.7.150.750.5.1E	3 × 220-240 V Y	Y/D	Klixon 17AM	Enclosed - 2 stage	Flange	99387165
DWK.H.7.150.900.5.1D	3 × 380-415 V D	Y/D	Klixon 17AM	Enclosed - 2 stage	Flange	99387166

6. Variants

List of variants

Note: Not all variants are available for all type of pumps

Motor		
		10 m
		15 m
Various cable sizes	Cable length depends on motor size and main supply.	20 m
		25 m
		30 m
		Contact Grundfos
Special motor (only for 19 and 22 kW)	Insulation class H (180 °C) Temperature rise class B (80 °C)	Contact Grundfos
Special voltage		Contact Grundfos
Motor protection		
Motor winding (only for 19 and 22 kW)	1 × Pt100	Contact Grundfos
Seal sensor (only for 19 and 22 kW)	1 × Electrode type	Contact Grundfos
Bearing sensor (only for 19 and 22 kW)	1 × Pt100 in lower bearing	Contact Grundfos
Material		
Impeller	Stainless steel 304, 316, 316L / Ductile cast iron A536-65-45-12 /Hi-Cr	Contact Grundfos
Inlet cover and pump casing (only for 19 and 22 kW)	Stainless steel 304, 316, 316L	Contact Grundfos
Coating (only for 19 and 22 kW)	According to EN 12944 IM2	Contact Grundfos
Outlet		
Flanges	DIN, JIS, ANSI	Contact Grundfos
	KS, JIS, ANSI (DWK.H)	Contact Grundfos
Hose	Storz (DWK)	Contact Grundfos
Threaded	Storz (DWK)	Contact Grundfos
Tests		
Test at specified duty point on standard impeller curve		
Additional test of entire QH curve		Contact Grundfos
Different test standard	ISO 9906:2012 grade 2B	Contact Grundfos
Witness test		Contact Grundfos
Other variants		Contact Grundfos

Note: DWK.H pumps are delivered with flange connection as standard. Auto coupling on request.

7. Design

Outlet connections

DWK pumps can be ordered with the following outlet connections:

- flange connection
- threaded outlet connection for Storz coupling, according to ISO 228
- hose connection
- without outlet connection. Please order a discharge connection separately.

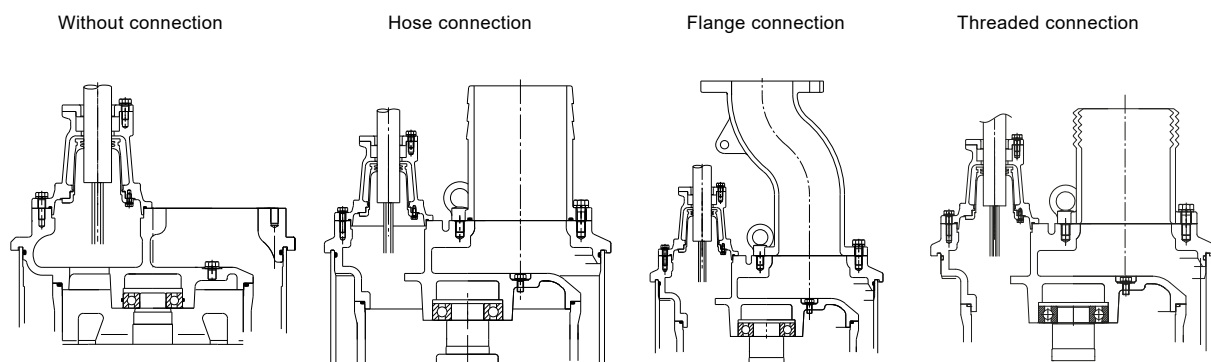


Fig. 4 Outlet connections

TM04 4735-37 1909 - TM071492 0219

Exploded views and sectional drawings

DWK.O

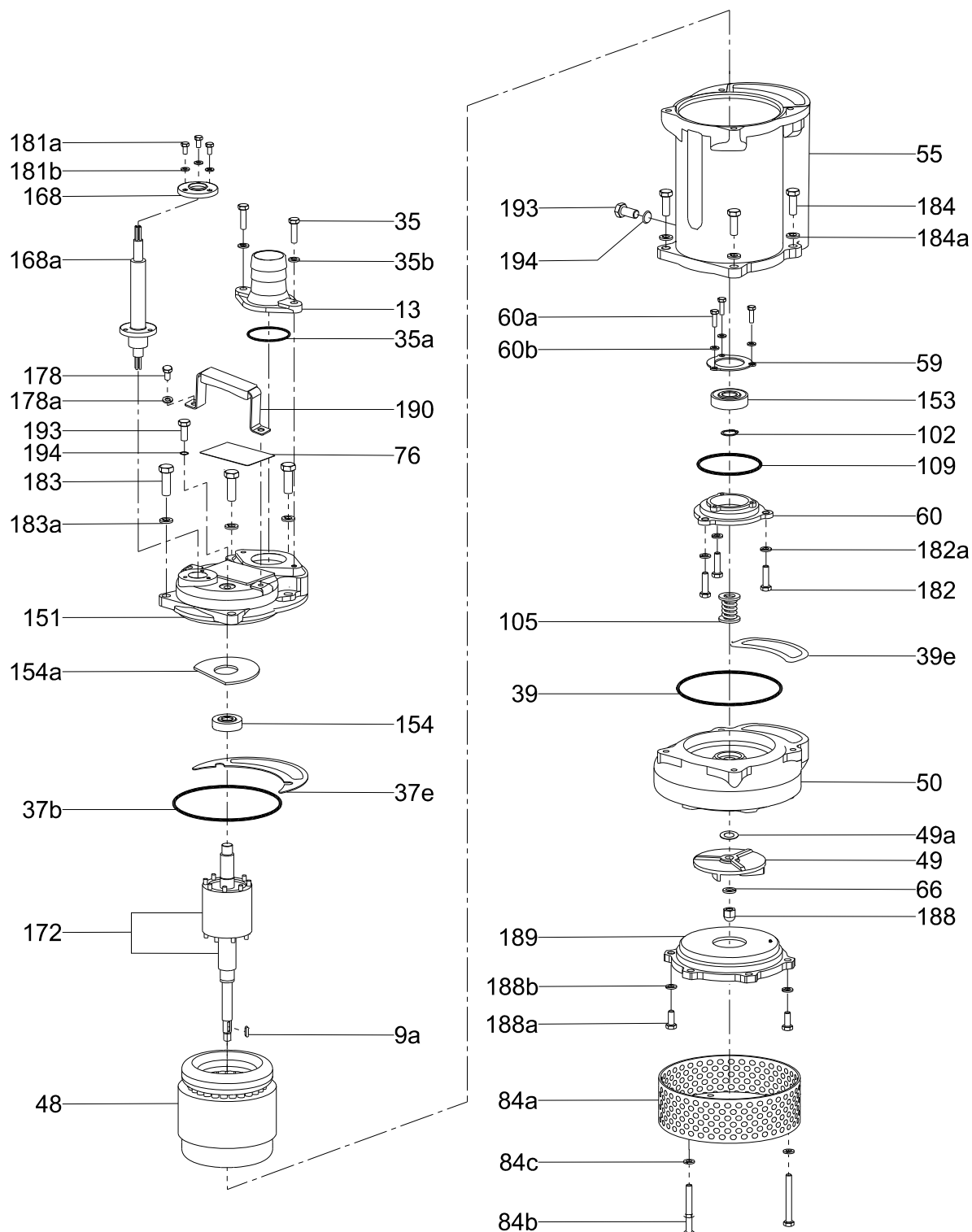
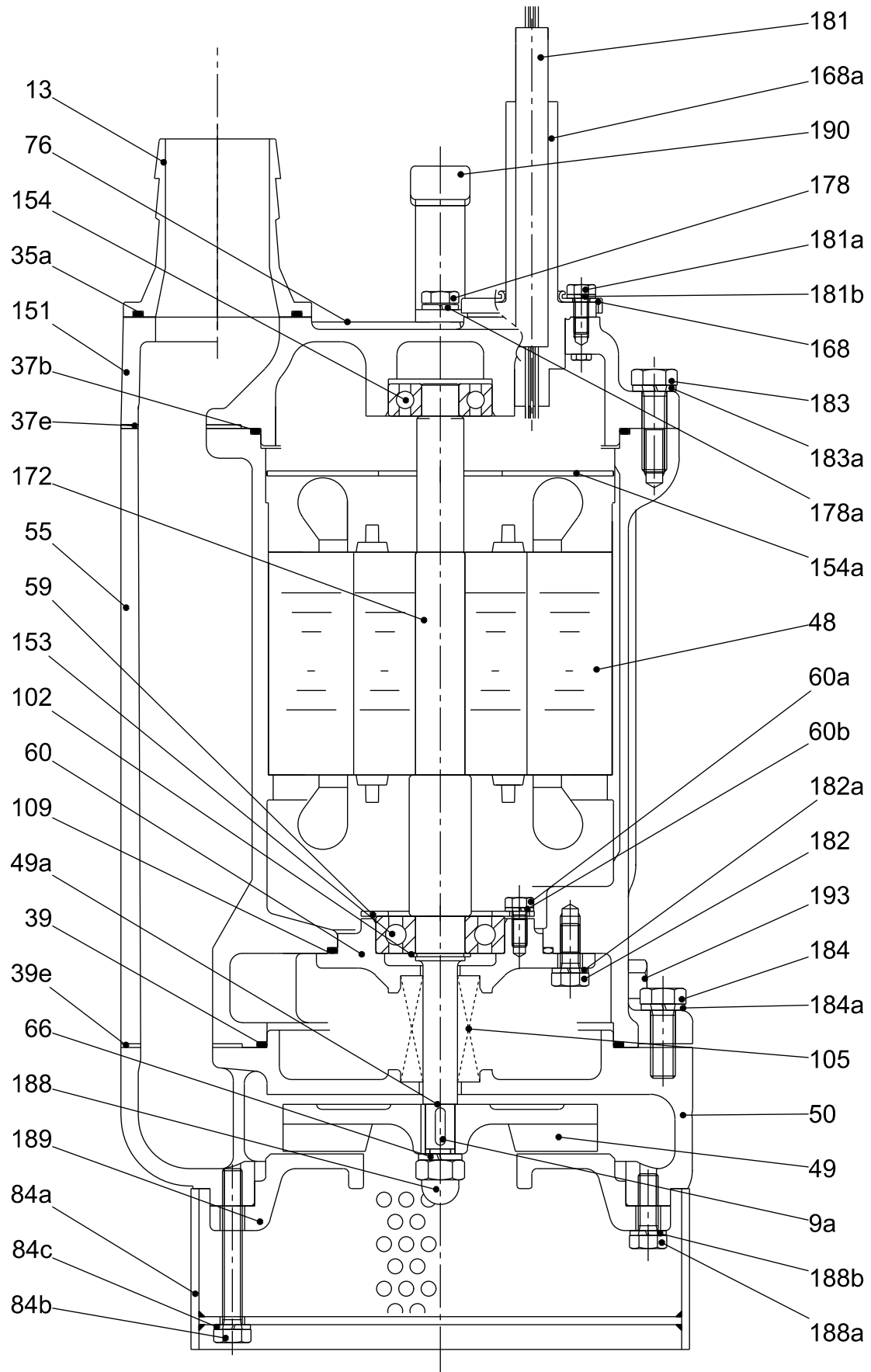


Fig. 5 Exploded view DWK.O.6.50.075, DWK.O.6.50.15 and DWK.O.6.50.22

TM04 4575 4214



TM04 4698 4214

Fig. 6 Sectional drawing DWK.O.6.50.075, DWK.O.6.50.15 and DWK.O.6.50.22

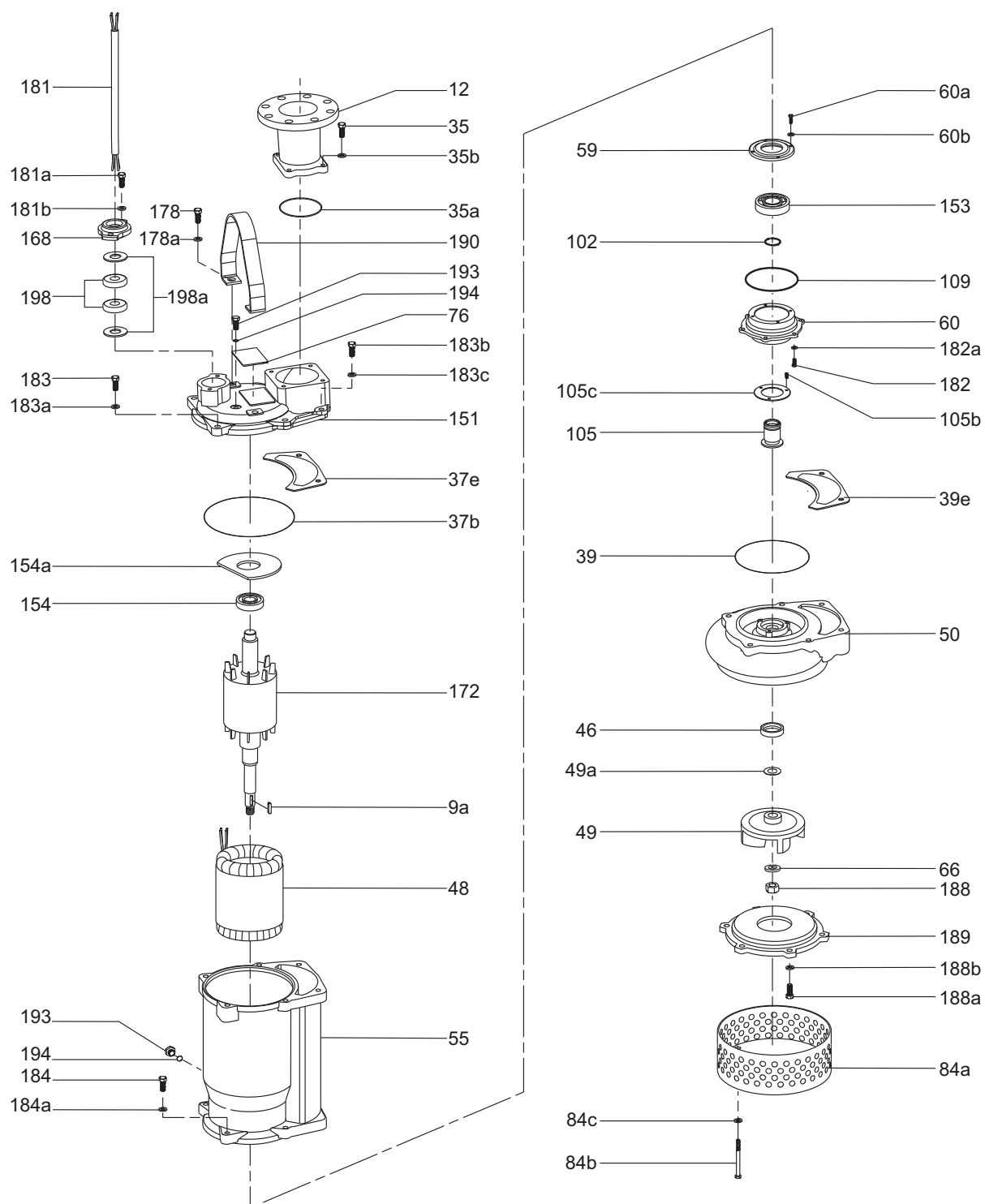
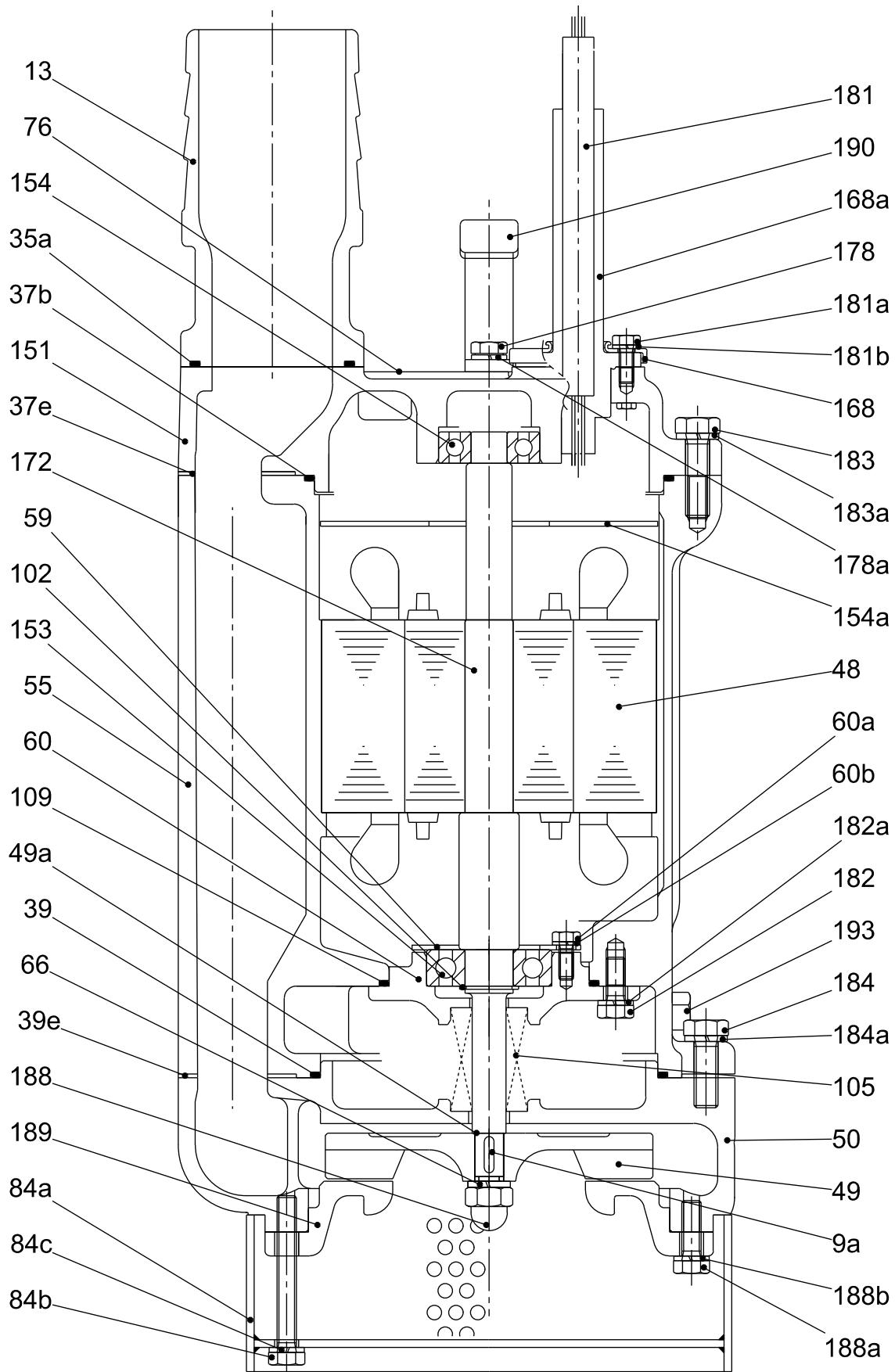


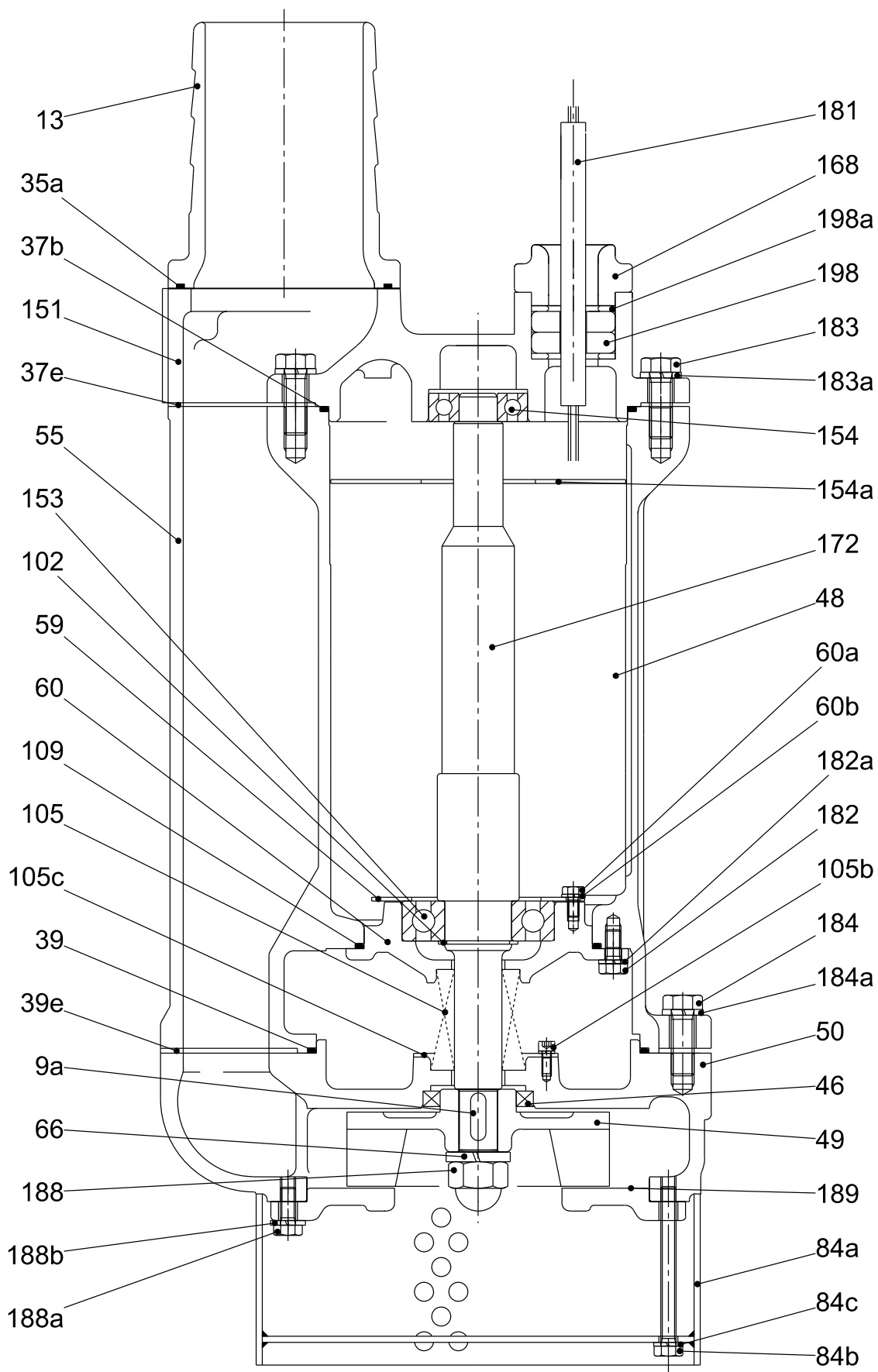
Fig. 7 Exploded view DWK.O.6.80.15, DWK.O.6.80.22, DWK.O.10.80.37 and DWK.O.10.100.37

TM04 4708 1818



TM04 4699 4214

Fig. 8 Sectional drawing DWK.O.6.80.15 and DWK.O.6.80.22



TM04 4701 4214

Fig. 9 Sectional drawing DWK.O.10.80.37 and DWK.O.10.100.37

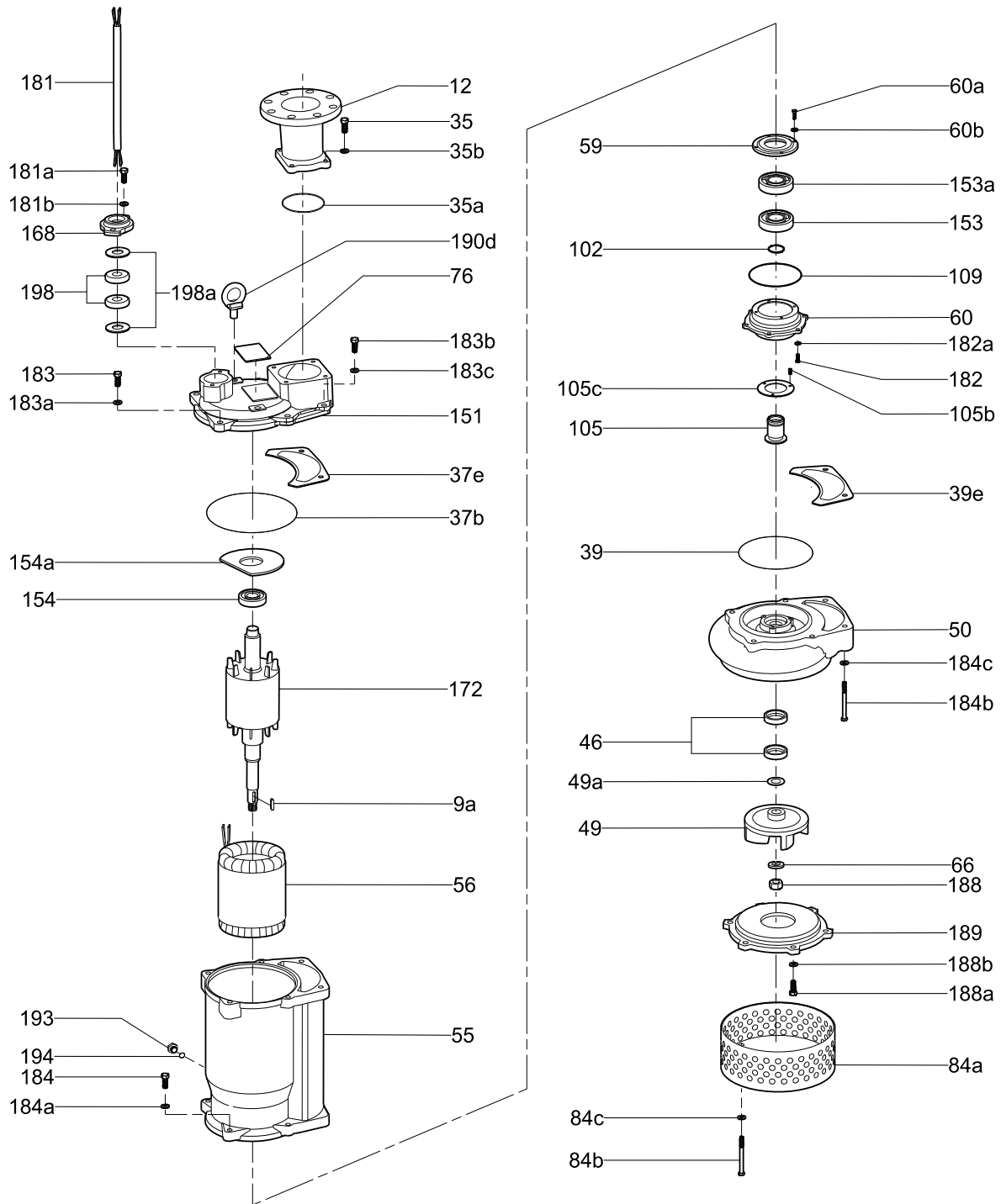


Fig. 10 Exploded view DWK.O.13.80.55, DWK.O.13.100.55, DWK.O.13.100.75, DWK.O.13.150.75, DWK.O.13.100.110, DWK.O.13.150.110, DWK.O.13.100.150 and DWK.O.13.150.150

TM04 4577 4214

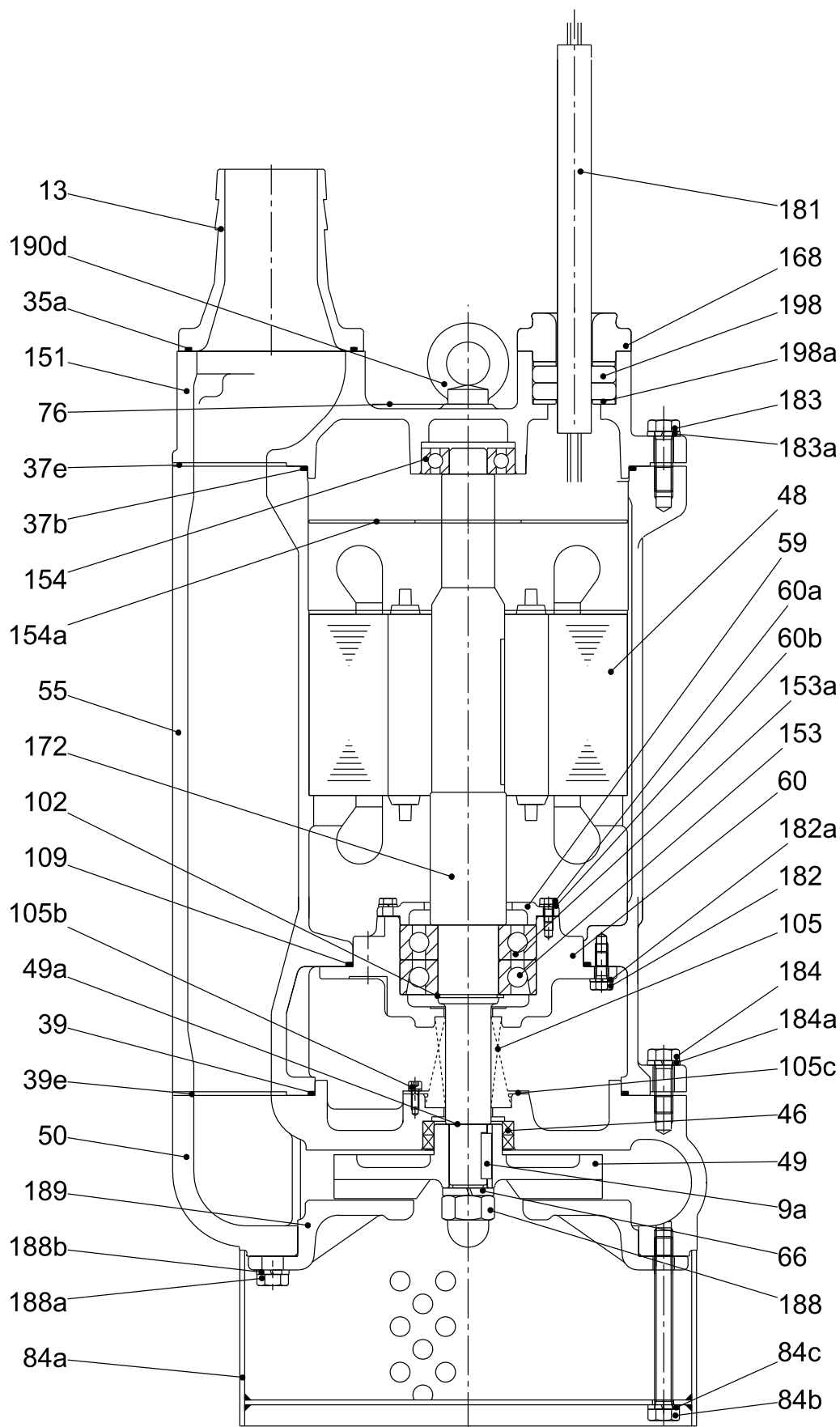


Fig. 11 Sectional drawing DWK.O.13.80.55 and DWK.O.13.100.55

TM04 4700 4214

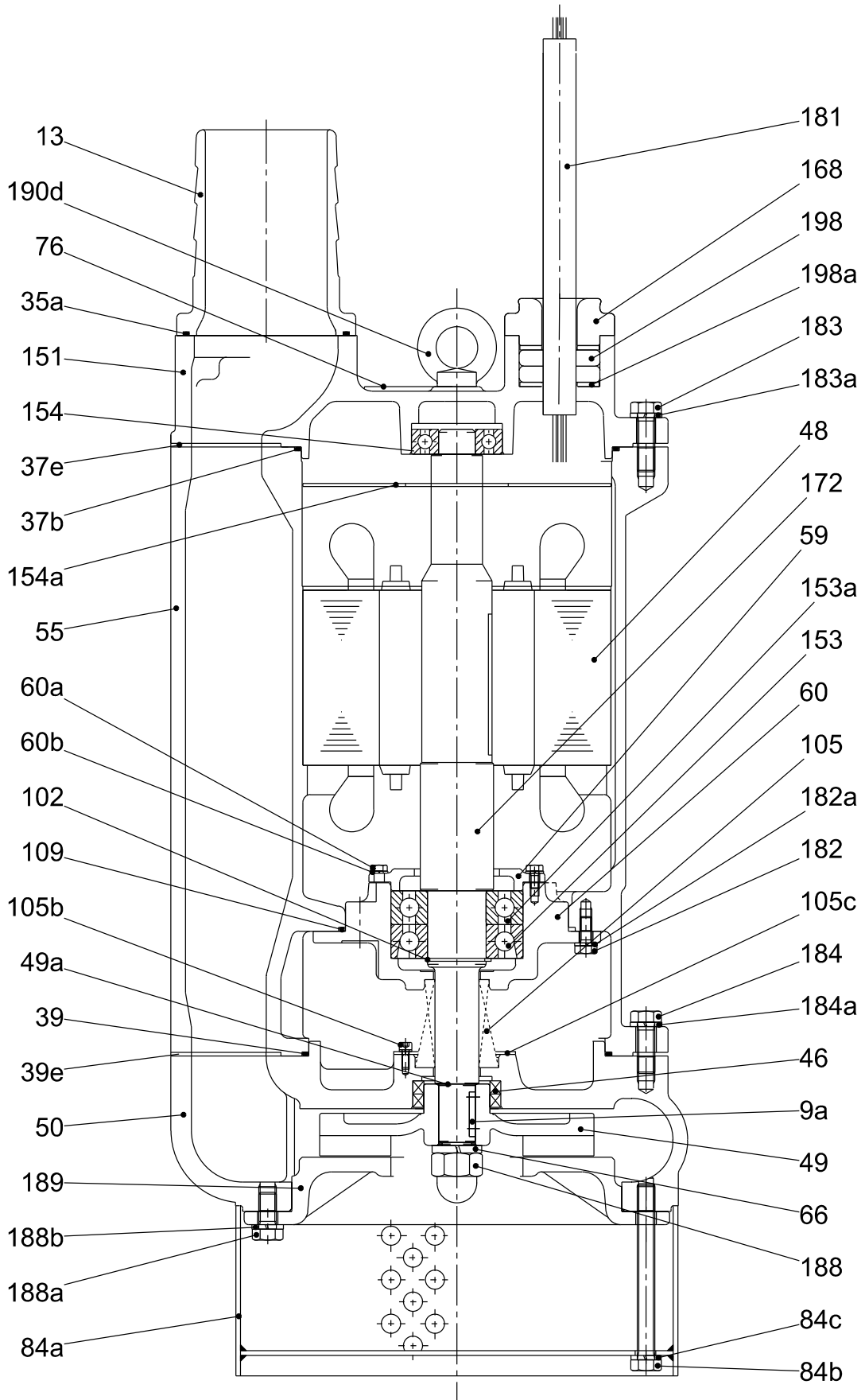
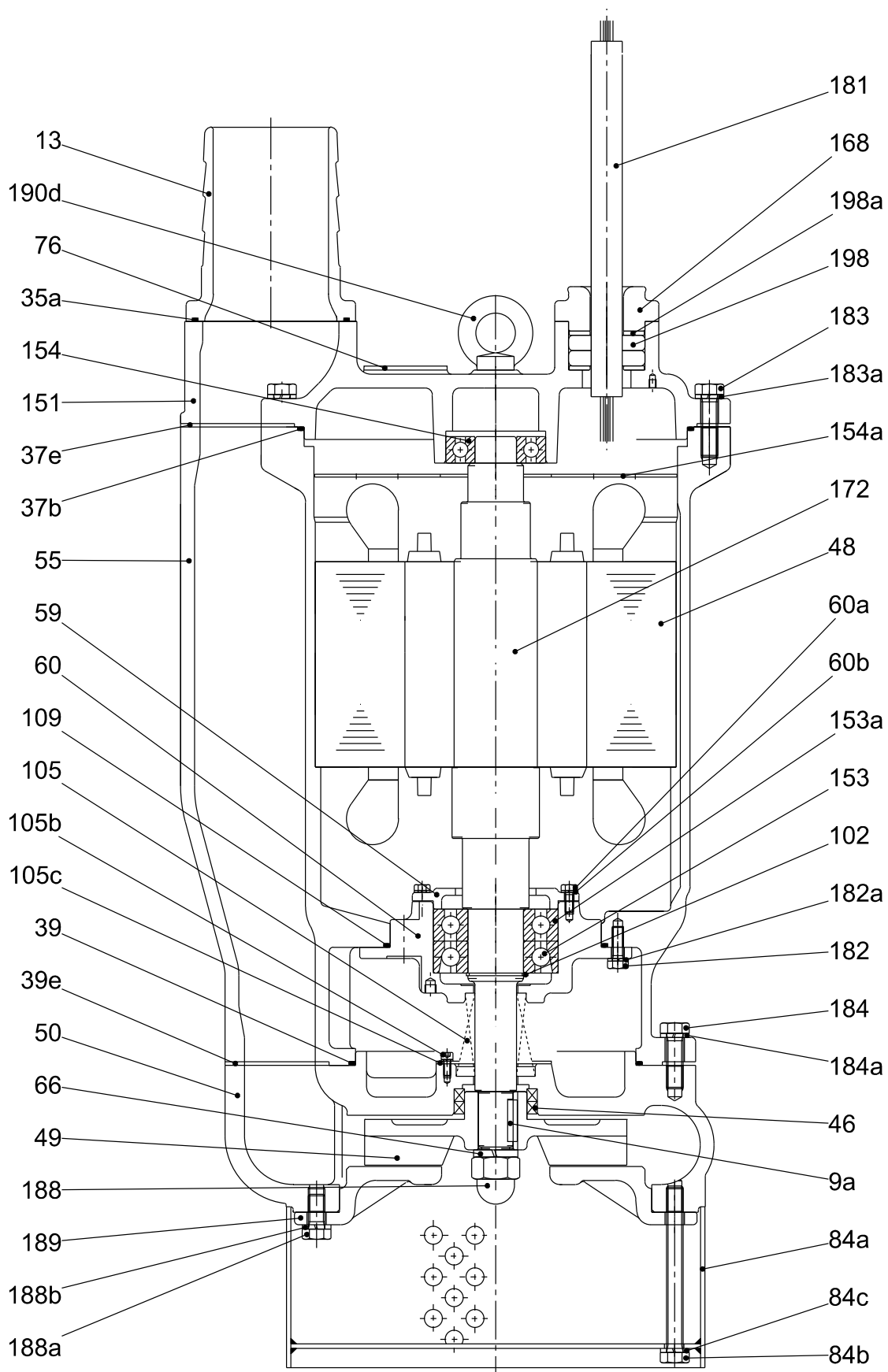


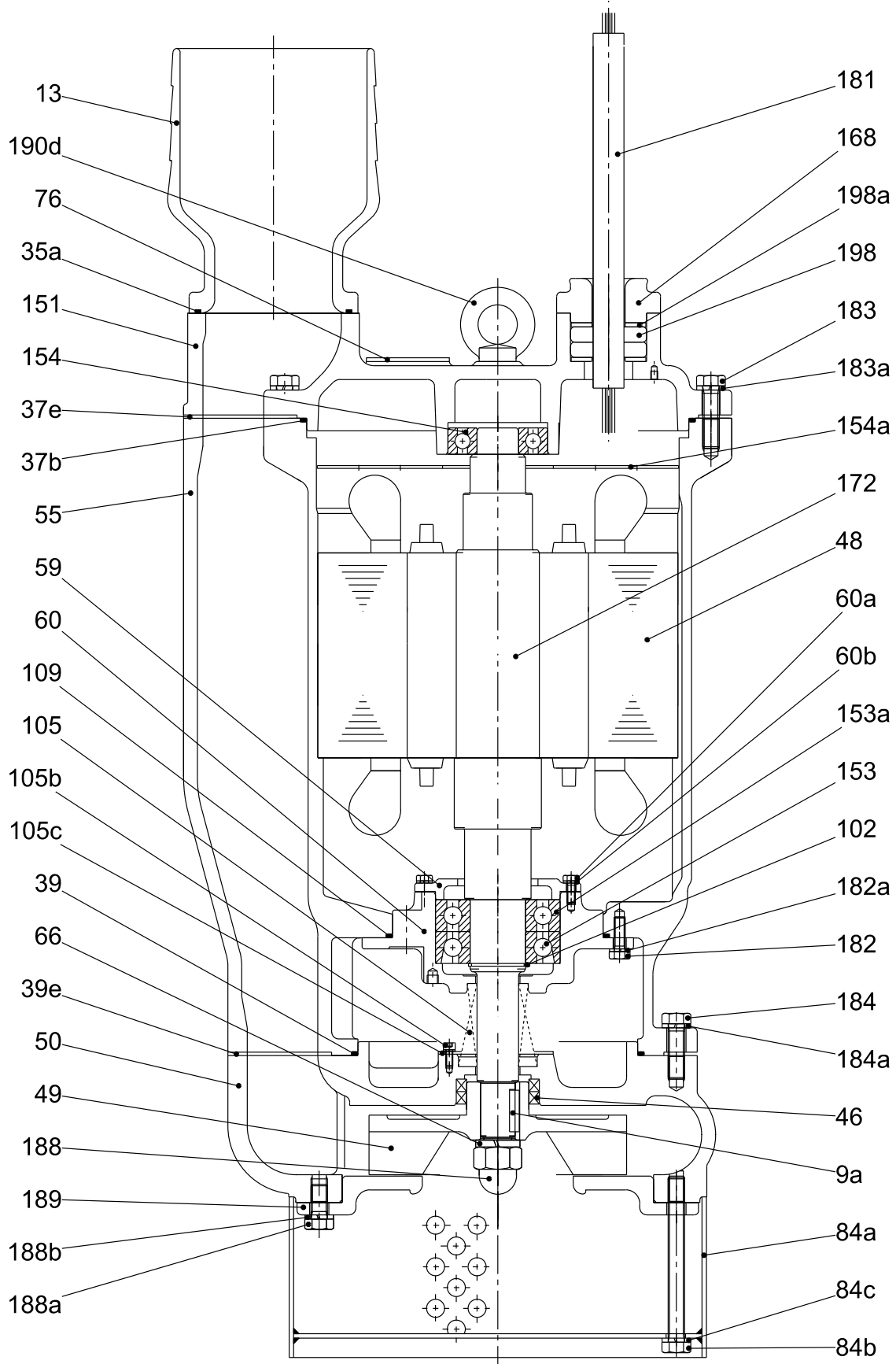
Fig. 12 Sectional drawing DWK.O.13.100.75 and DWK.O.13.150.75

TM04 4702 4214



TM04 4703 4214

Fig. 13 Sectional drawing DWK.O.13.100.110 and DWK.O.13.100.150



TM04 4705 4214

Fig. 14 Sectional drawing DWK.O.13.150.110 and DWK.O.13.150.150

DWK.E

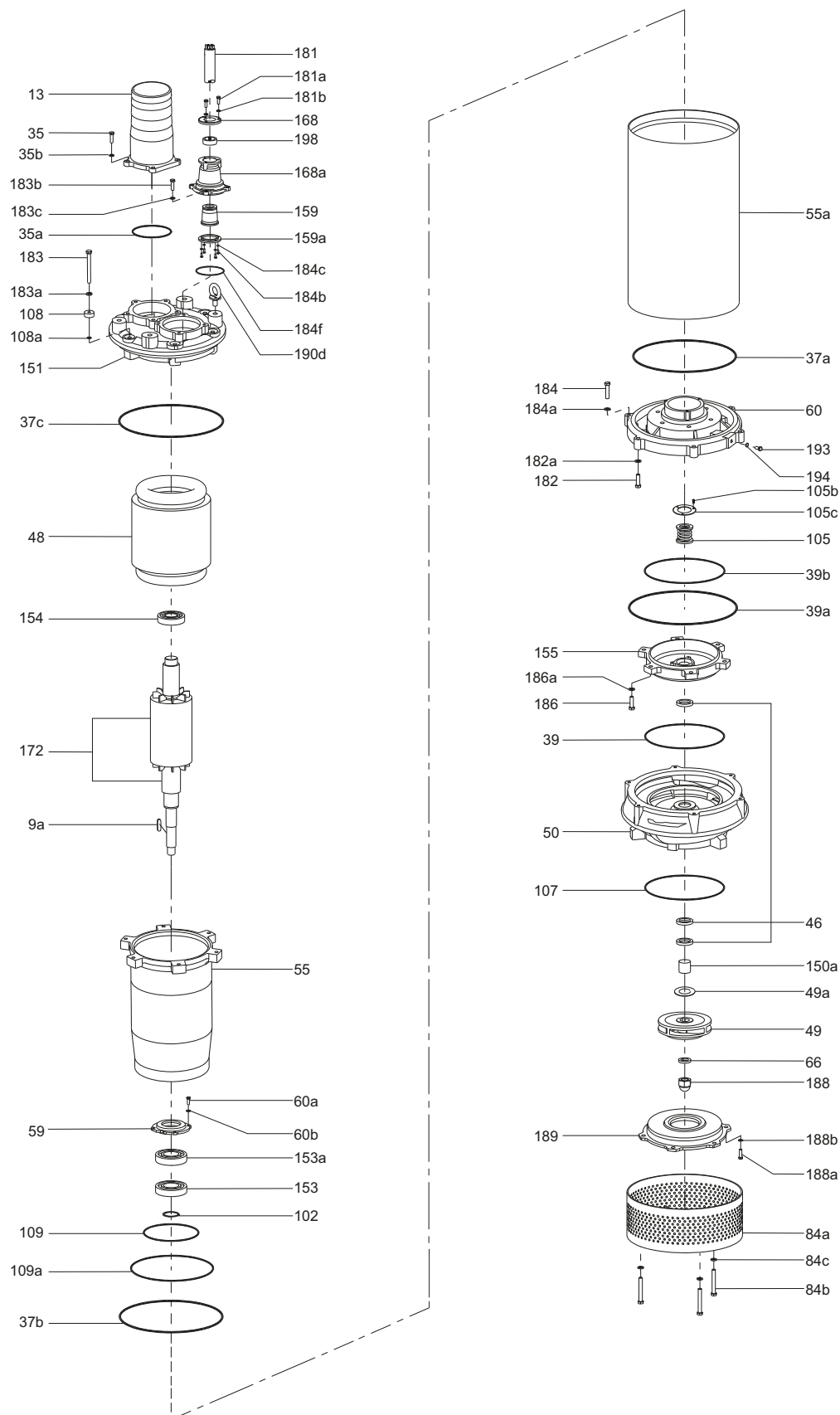


Fig. 15 Exploded view DWK.E.10.100.220, DWK.E.10.150.220, DWK.E.150.300 and DWK.E.10.200.300

TM04 4576 1818

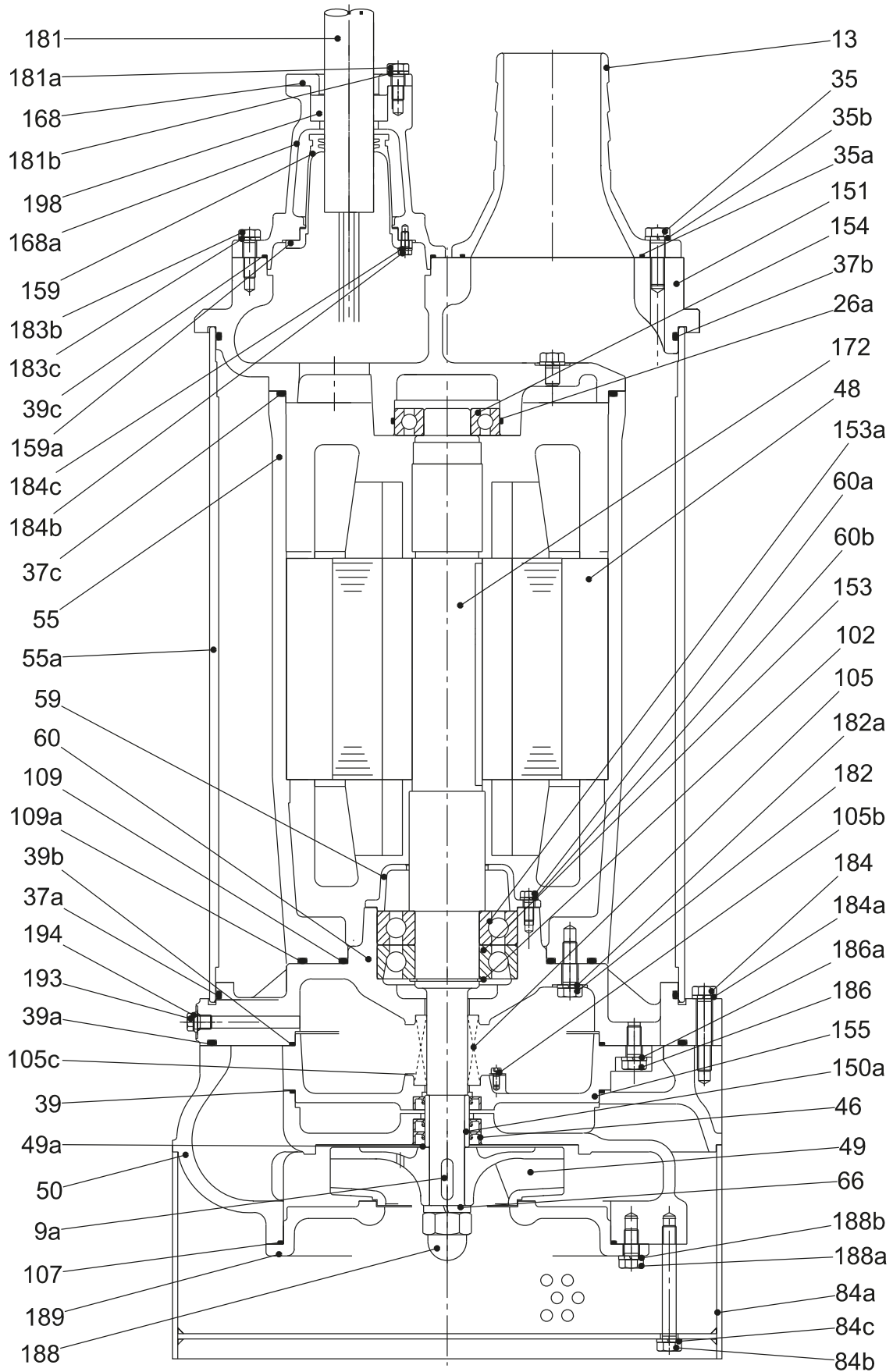


Fig. 16 Sectional drawing DWK.E.10.100.220

TM04 4578 1809

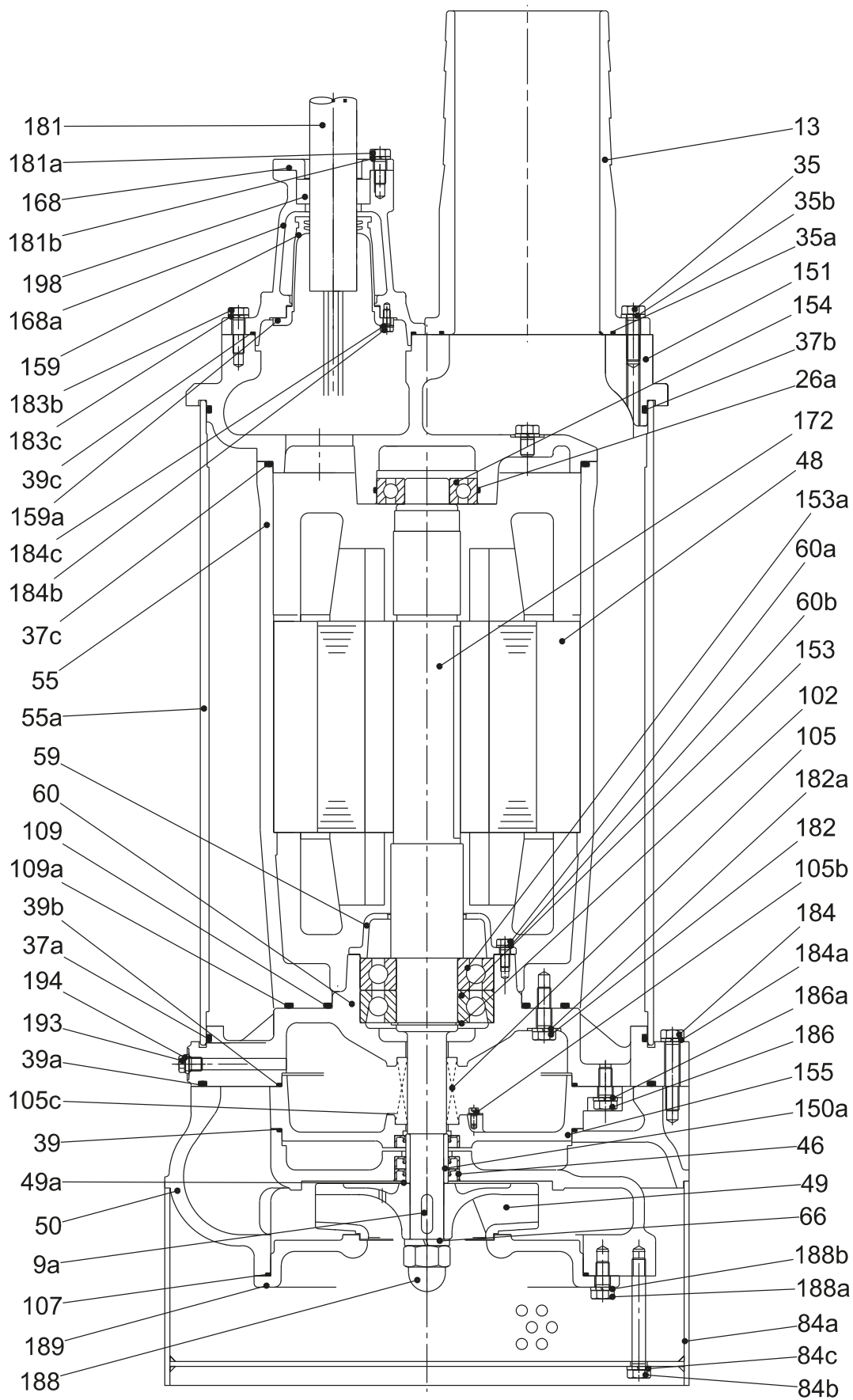


Fig. 17 Sectional drawing DWK.E.10.150.220

TM04 4580 1809

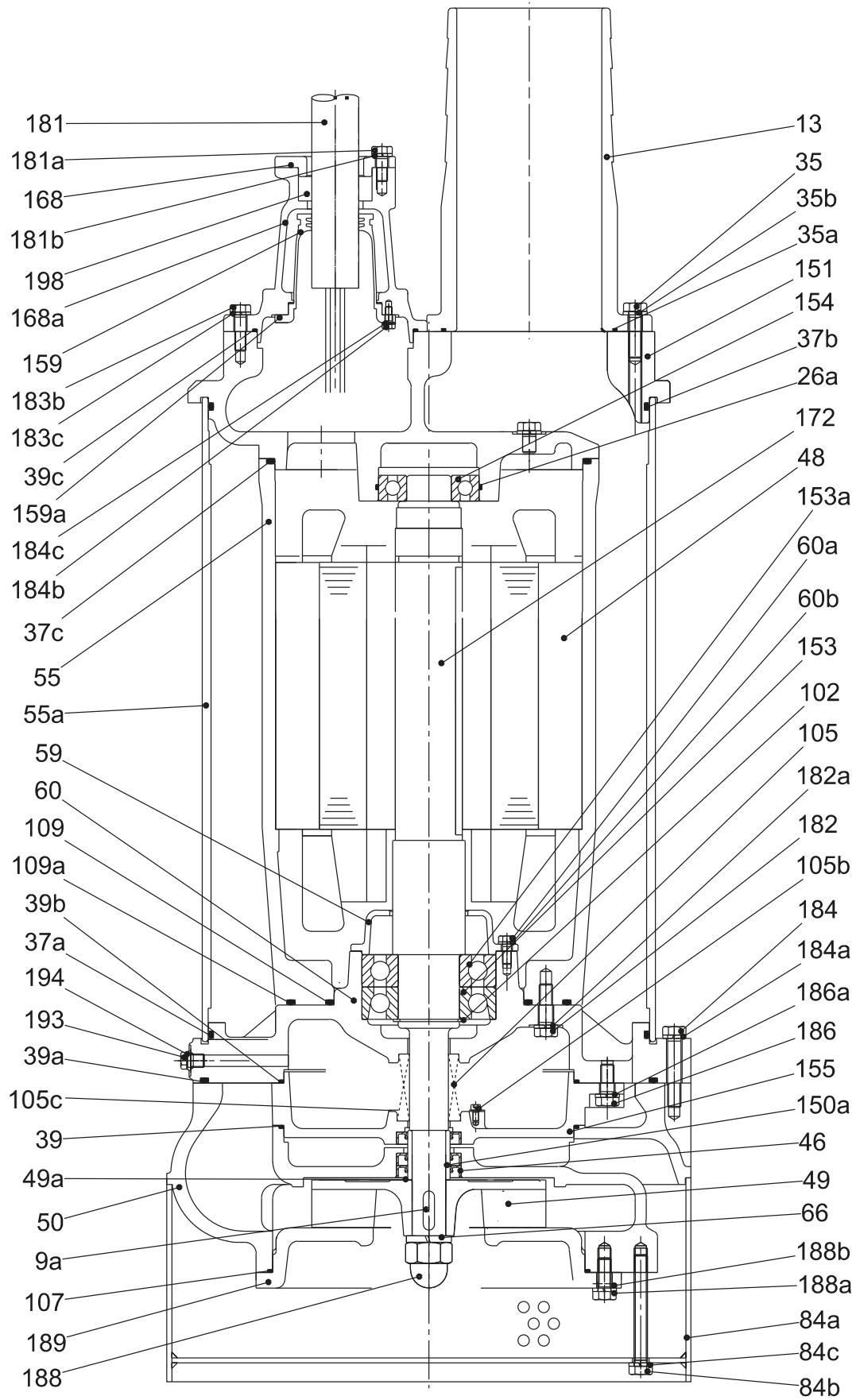
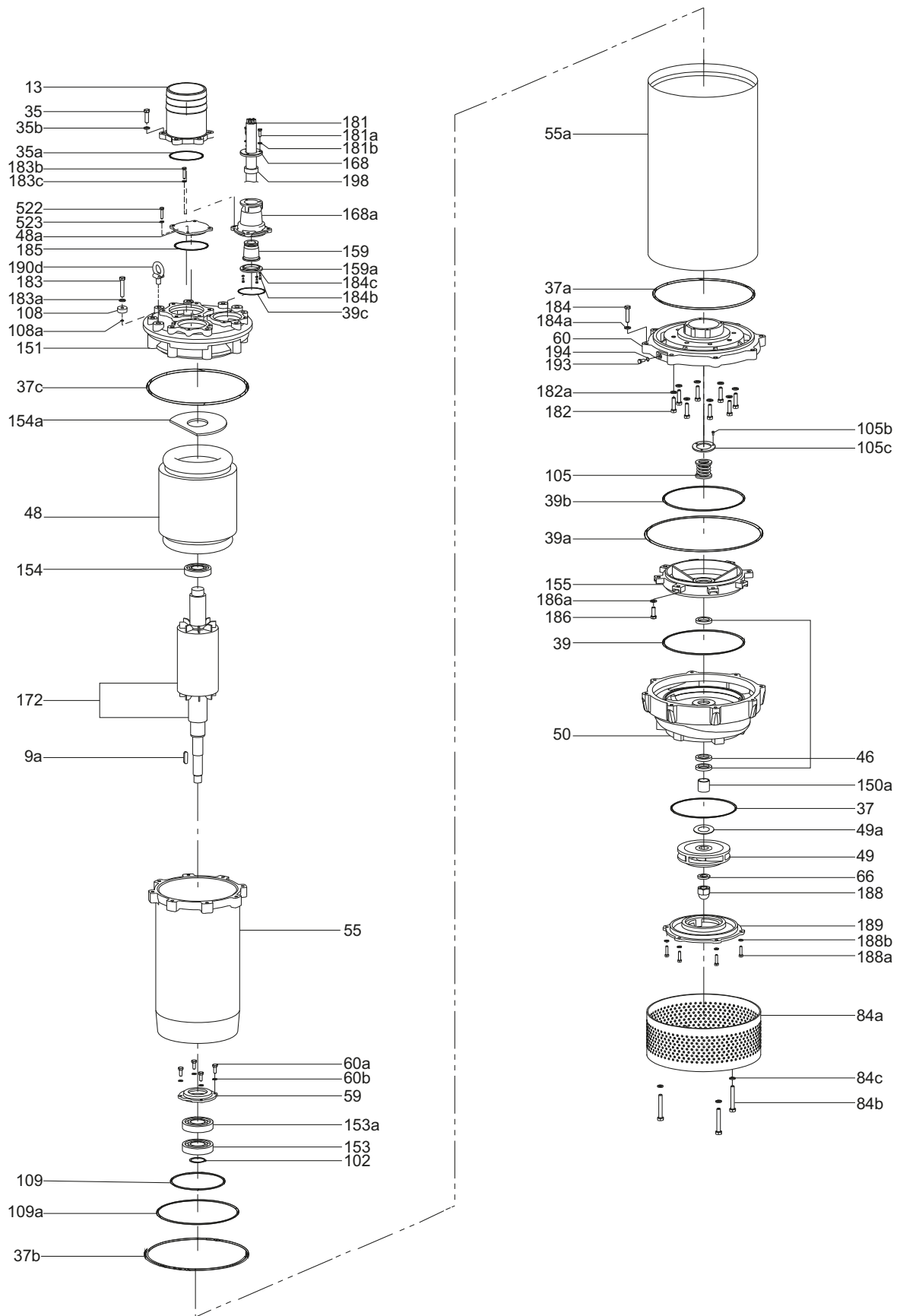


Fig. 18 Sectional drawing DWK.E.10.150.300 and DWK.E.10.200.300

TM04 4562 1809



TM06 6933 1818

Fig. 19 Exploded view DWK.E.10.150.370, DWK.E.10.150.450, DWK.E.10.200.370, DWK.E.10.200.450, DWK.E.10.150.550 and DWK.E.10.200.550

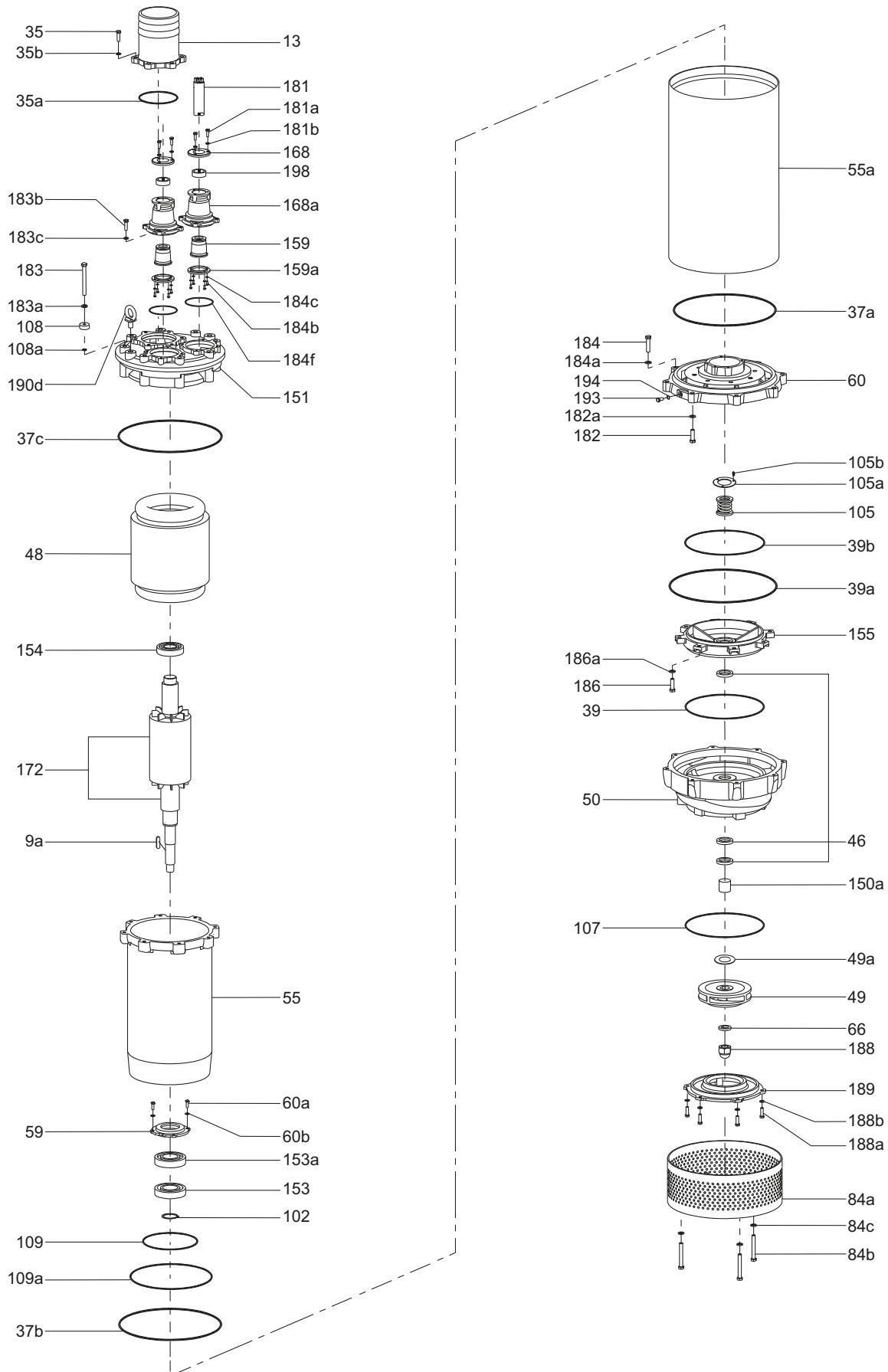


Fig. 20 Exploded view DWK.E.10.200.750 and DWK.E.10.200.900

TM04 4707 1818

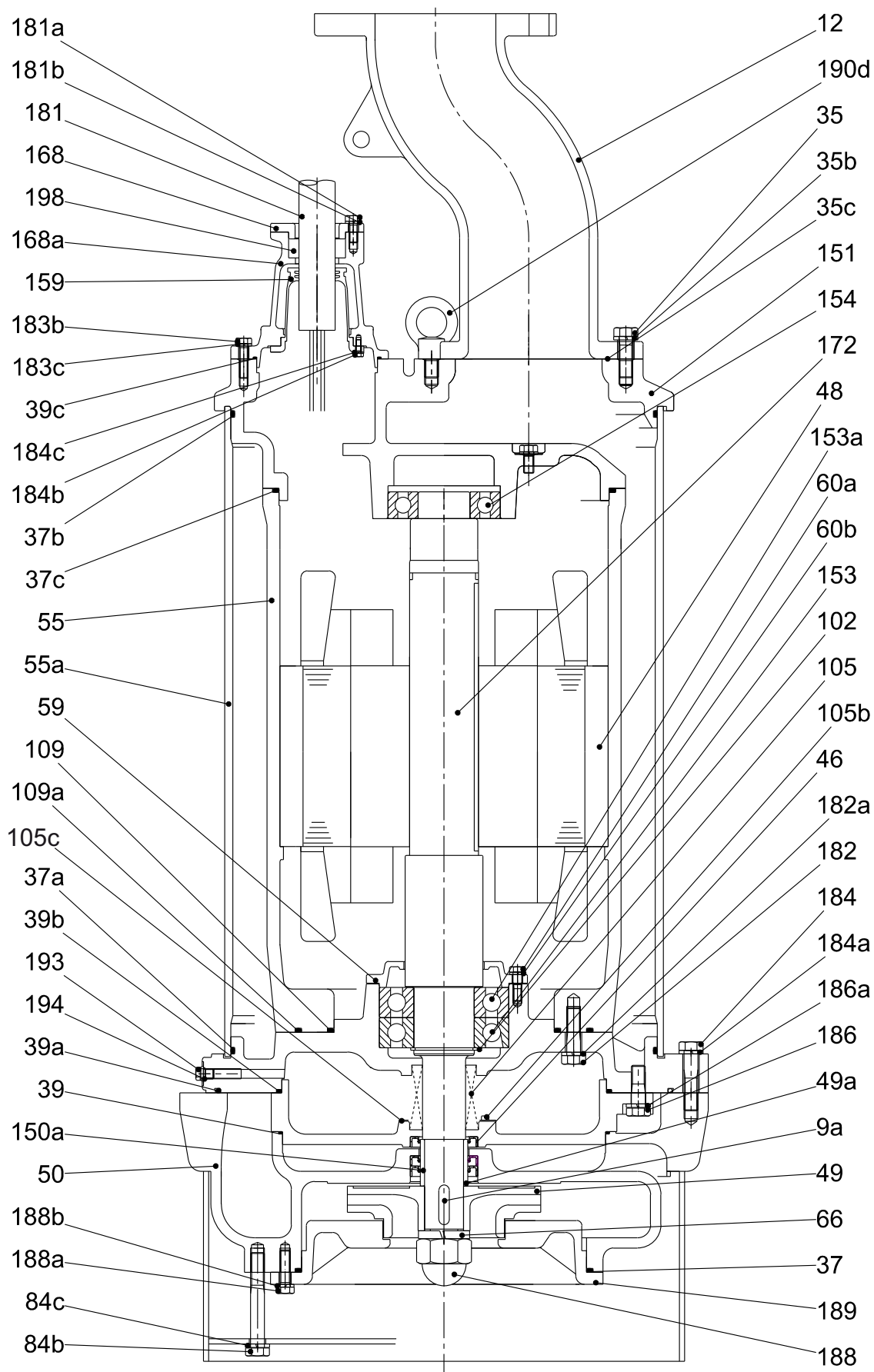


Fig. 21 Sectional drawing DWK.E.10.150.370, DWK.E.10.150.450, DWK.E.10.200.370 and DWK.E.10.200.450

TM04 4584 1809

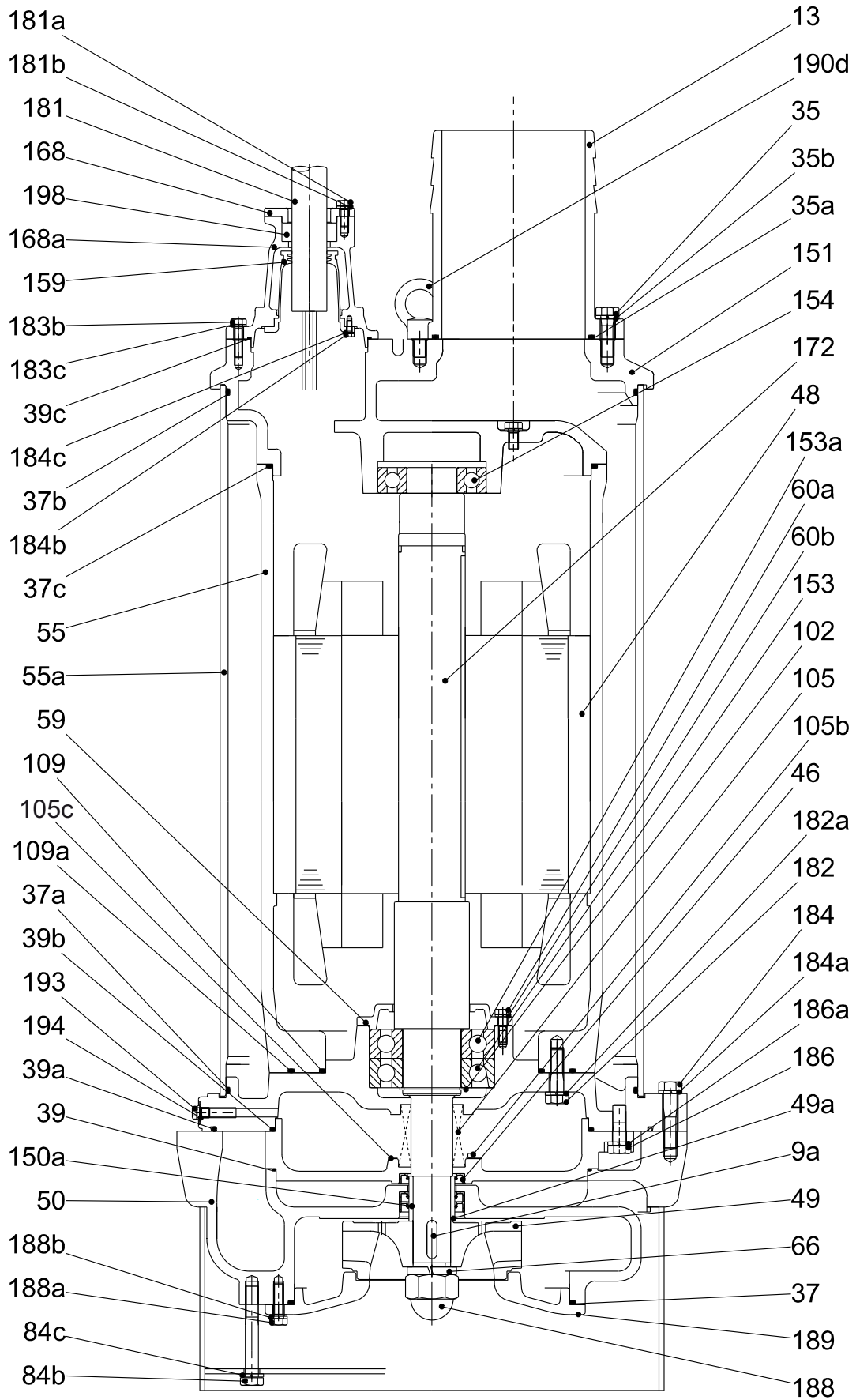


Fig. 22 Sectional drawing DWK.E.10.150.550, DWK.E.10.200.550, DWK.E.10.200.750 and DWK.E.10.200.900

TM04 4587 1809

DWK.H

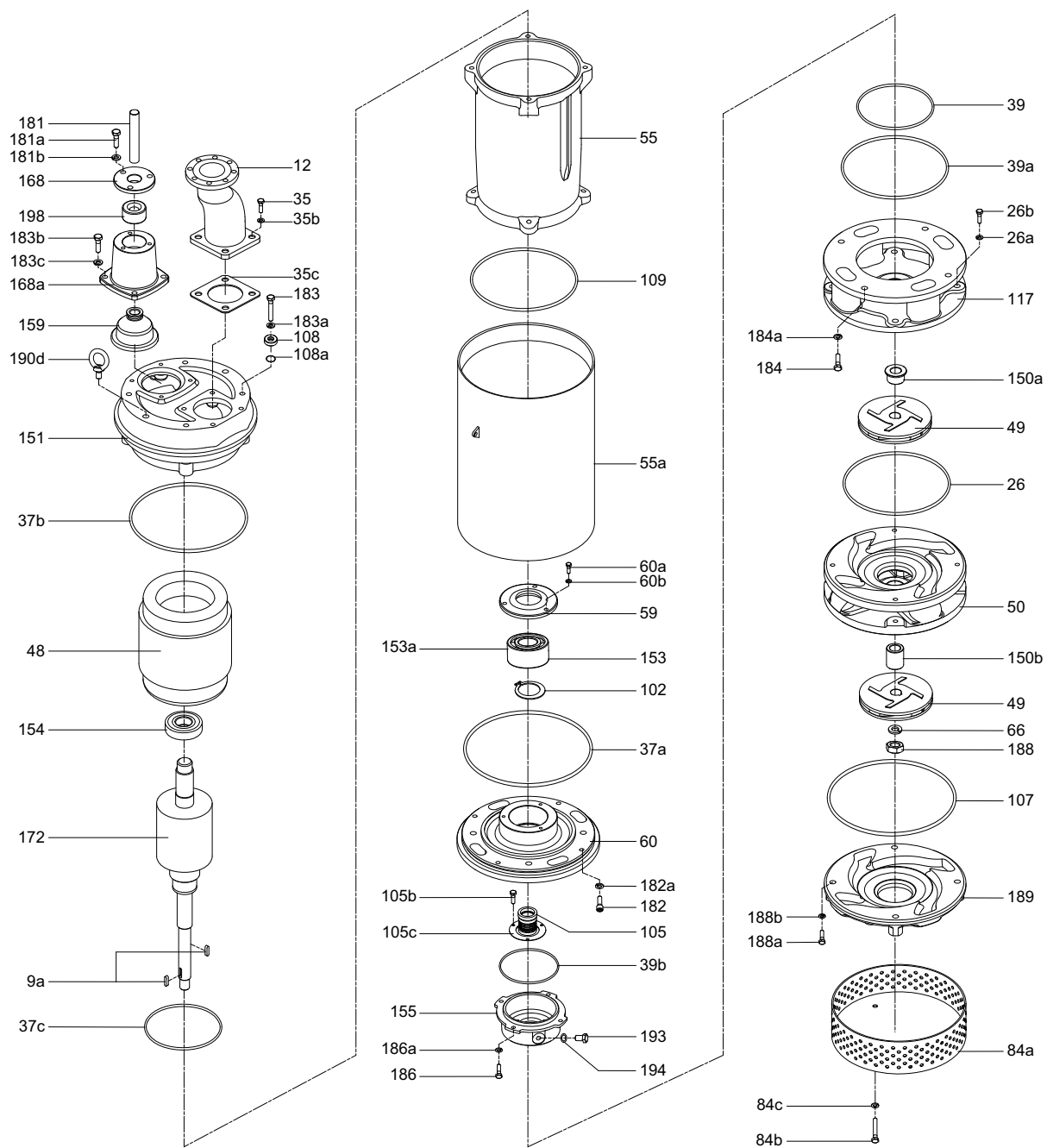
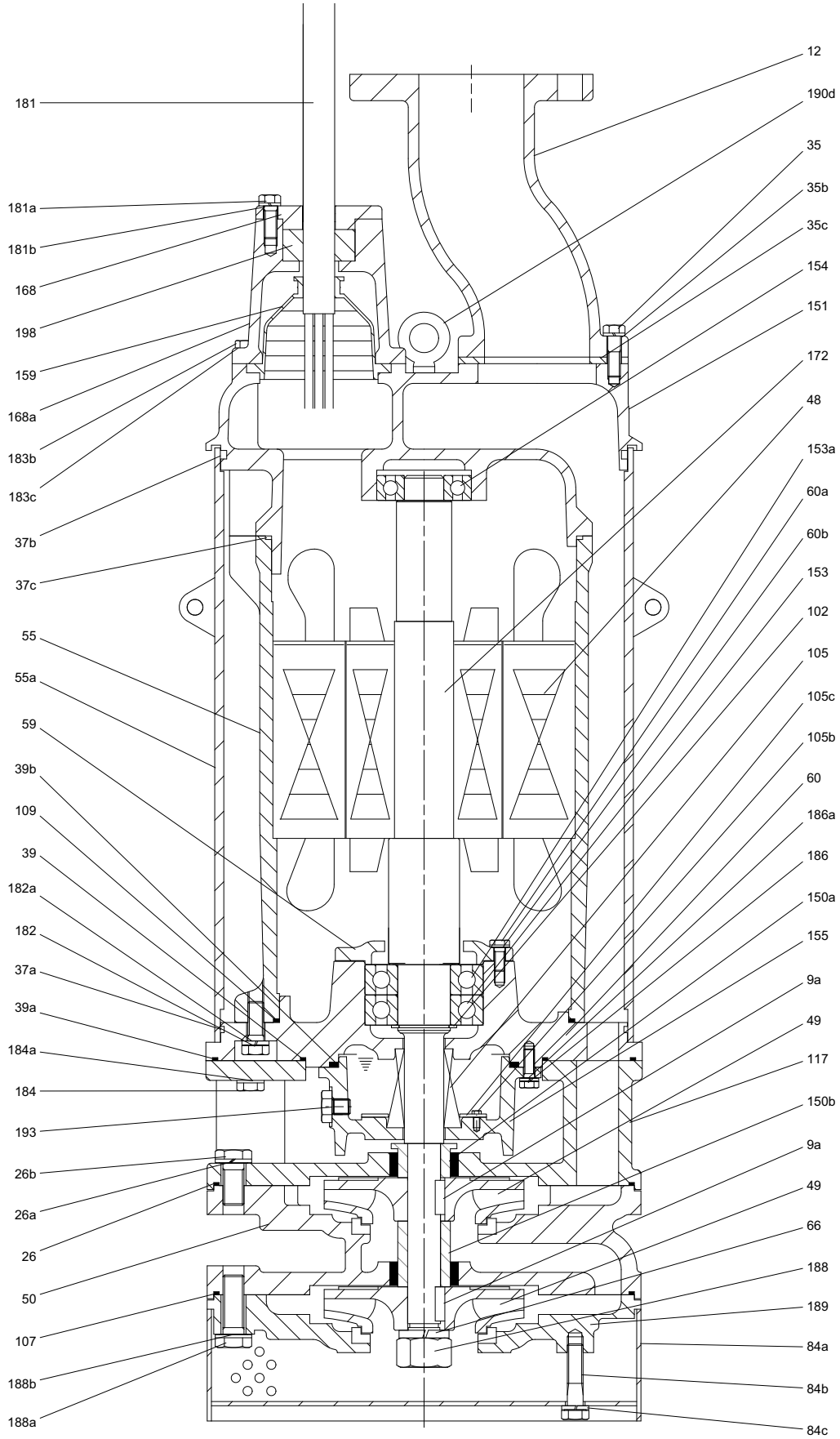


Fig. 23 Exploded drawing DWK.H.7.100.110 and DWK.H.7.100.220

TM07 2469 3518



TM07 2468 3518

Fig. 24 Sectional drawing DWK.H.7.100.110 and DWK.H.7.100.150

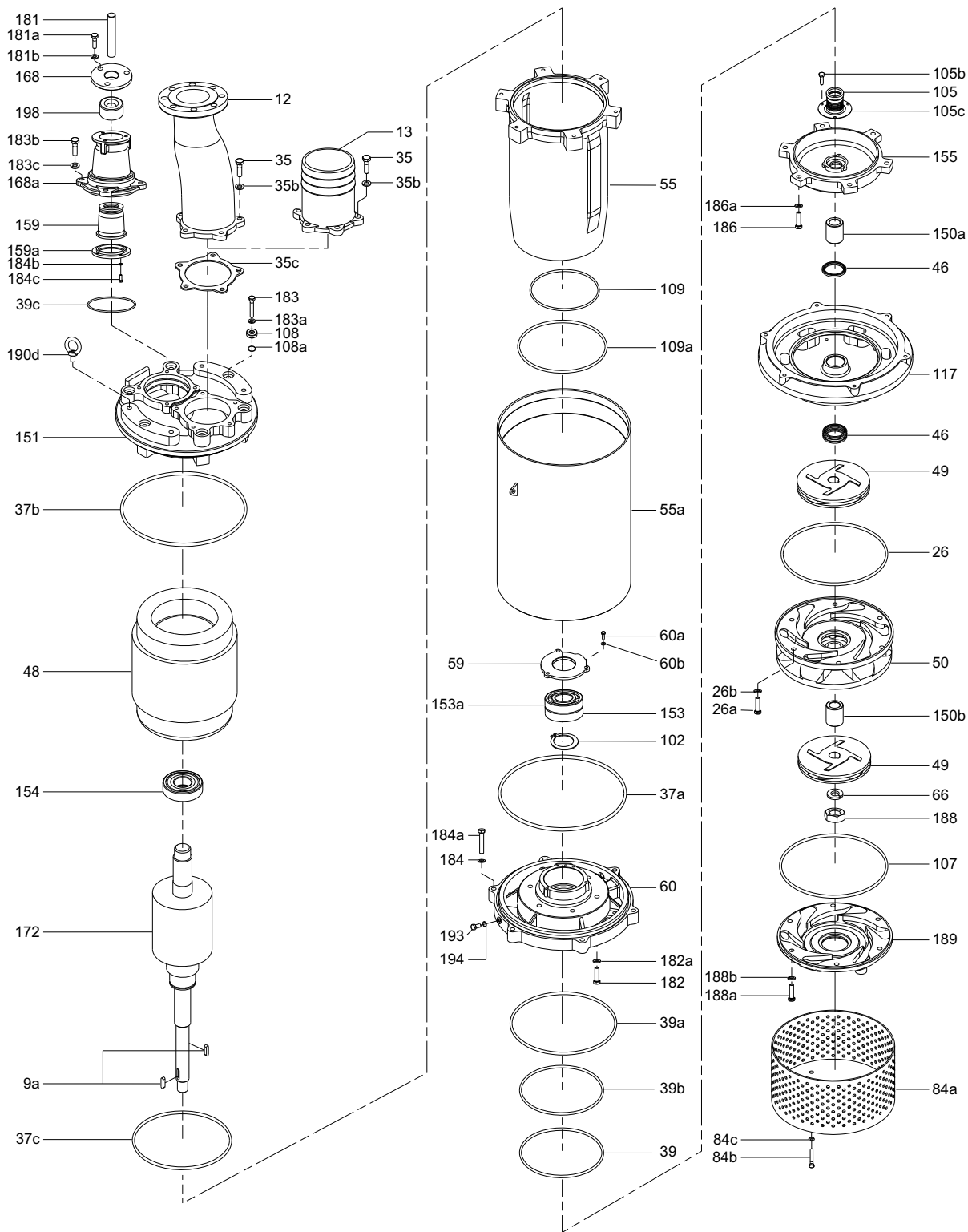
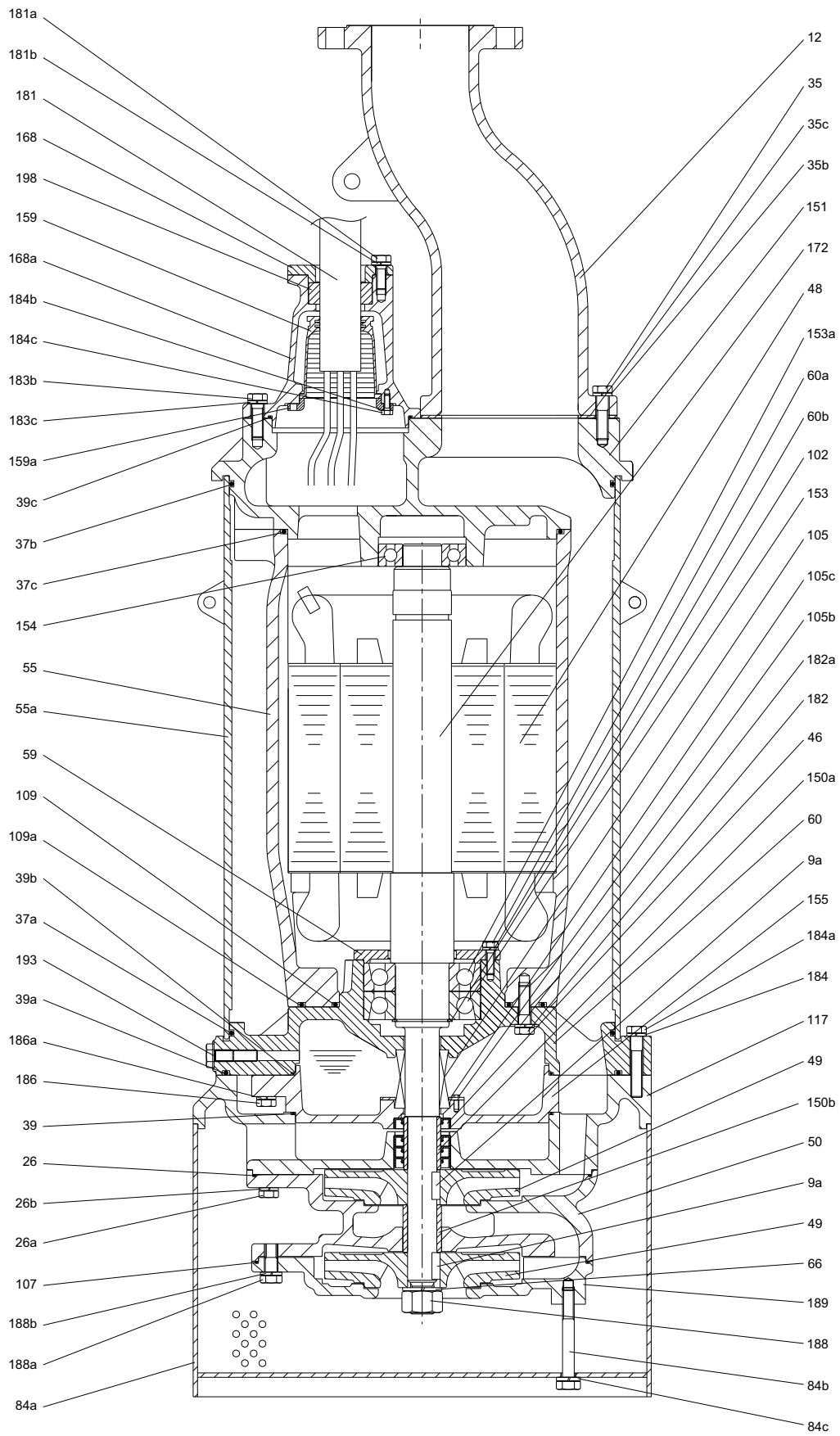


Fig. 25 Sectional drawing DWK.H.7.100.220 and DWK.H.7.100.300

TM07 0312 1818



TM07 0317 1818

Fig. 26 Sectional drawing DWK.H.7.100.220 and DWK.H.7.100.300

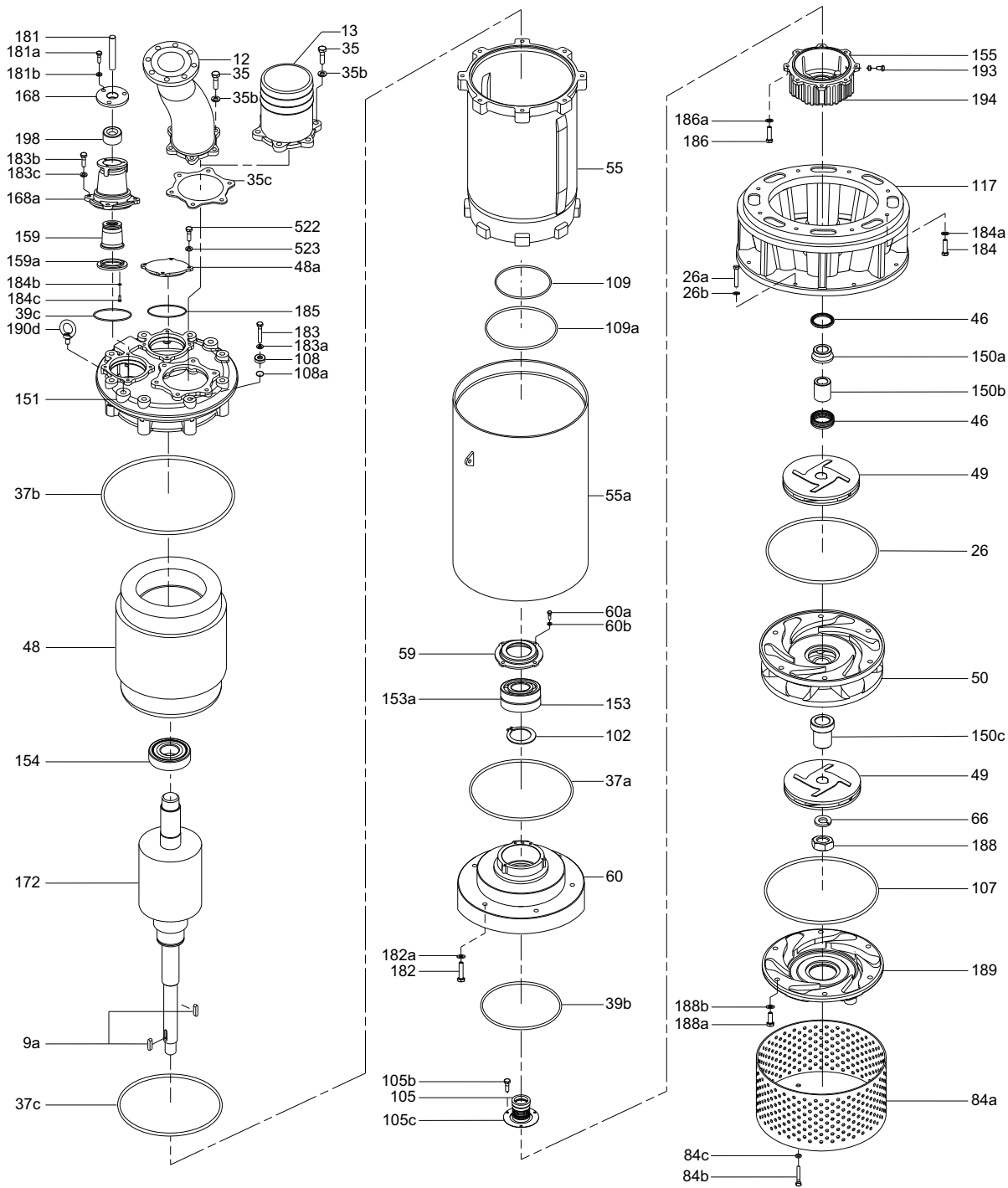


Fig. 27 Sectional drawing DWK.H.7.100.370, DWK.H.7.150.450 and DWK.H.7.150.550

TM07 0313 1818

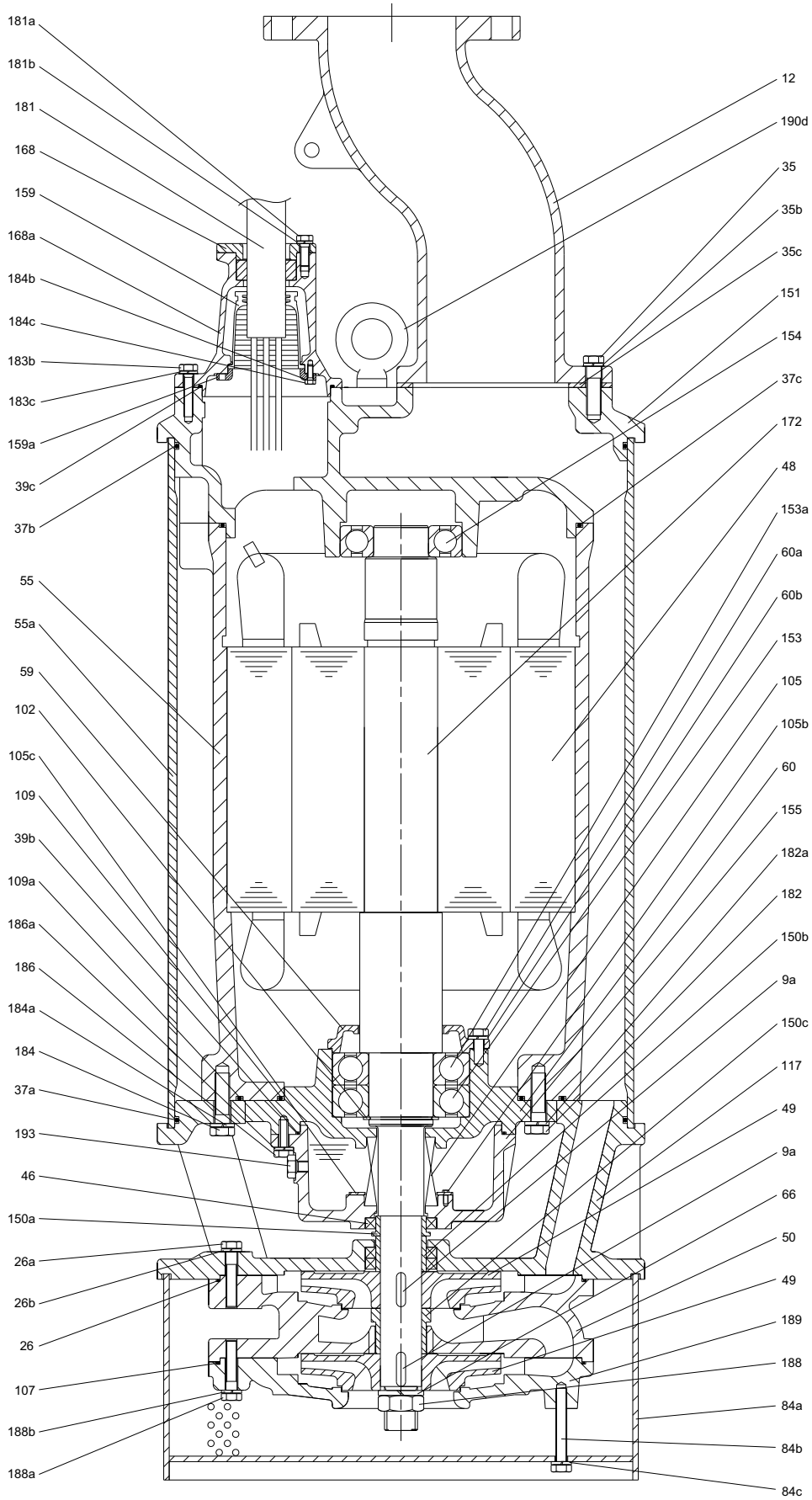


Fig. 28 Sectional drawing DWK.H.7.100.370, DWK.H.7.150.450 and DWK.H.7.150.550

TM07 0318 1818

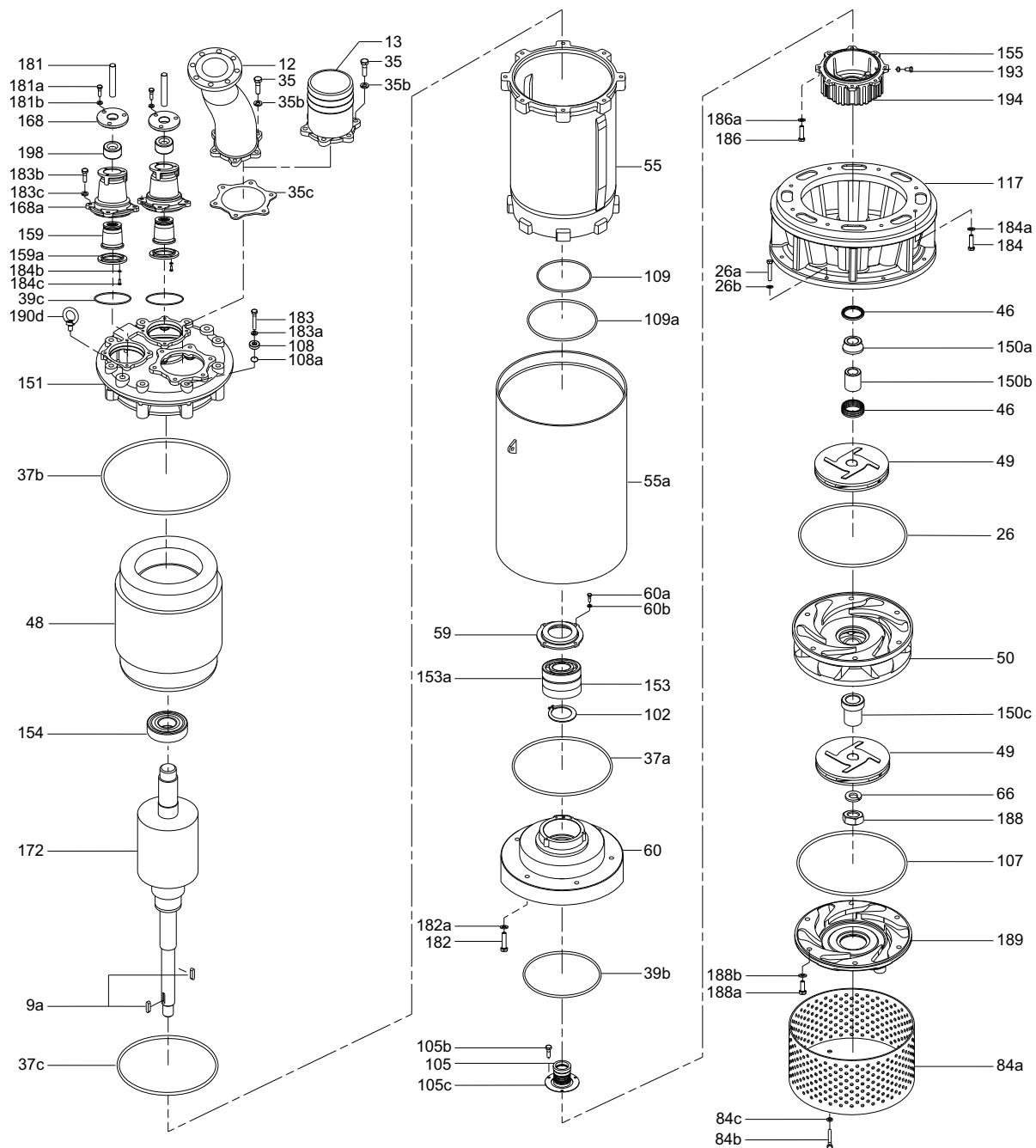


Fig. 29 Sectional drawing DWK.H.7.150.750 and DWK.H.7.150.900

TMO 7 0314 4817

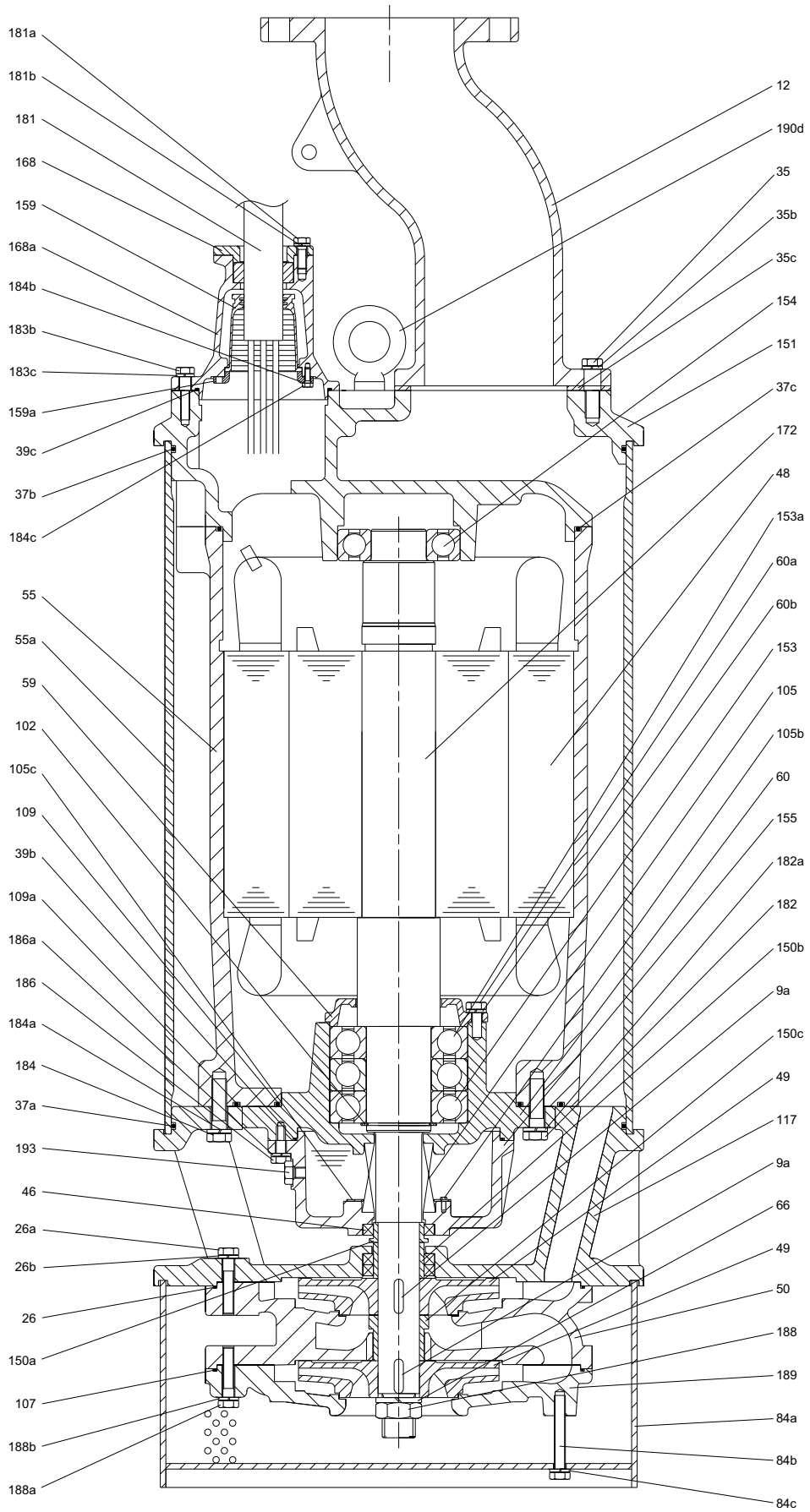


Fig. 30 Sectional drawing DWK.H.7.100.750 and DWK.H.7.100.900

TM07 0319 1818

Material specification

Pos.	Designation	Material		
		KS	ASTM	DIN
9a	Key	STS410	ANSI 410	17440
12	Flange ¹	GC200/ GC250	A48-CL30/ A48-CL35	GG20/ GG25
13	Hose connection ¹	GC200/ GC250	A48-CL30/ A48-CL35	GG20/ GG25
26	O-ring	NBR	NBR	NBR
26a	Washer	STS304	A276-304	1.4301
26b	Screw	SM25C	A108-1025	-
35	Hexagon head cap screw	STS304	A276-304	1.4301
35a	O-ring	NBR	NBR	NBR
35b	Spring washer	STS304	A276-304	1.4301
35c	Gasket	NBR	NBR	NBR
37	O-ring	NBR	NBR	NBR
37a	O-ring	NBR	NBR	NBR
37b	O-ring	NBR	NBR	NBR
37c	O-ring	NBR	NBR	NBR
37e	Gasket	NBR	NBR	NBR
39	O-ring	NBR	NBR	NBR
39a	O-ring	NBR	NBR	NBR
39b	O-ring	NBR	NBR	NBR
39c	O-ring	NBR	NBR	NBR
39e	Gasket	NBR	NBR	NBR
46	Lip seal	SCP1	SCP1	SCP1
46a	Lip seal	SCP1	SCP1	SCP1
48	Stator	-	-	-
48a	Cable inlet cover	GC250	A48-CL35	GG25
49	Impeller	Standard version	GCD450	A536-77
		R version	Hi-Cr	Hi-Cr
49a	Spacer ring	SS400	A283-Gr.D	-
50	Pump housing ¹	GC200/ GC250	A48-CL30/ A48-CL35	GG20/ GG25
55	Motor housing ¹	GC200/ GC250	A48-CL30/ A48-CL35	GG20/ GG25
55a	Outer casing (DWK.E/DWK.H)	SPP	A53-48	1629(1)-61
59	Bearing cover ¹	GC200/ GC250	A48-CL30/ A48-CL35	GG20/ GG25
60	Lower bearing bracket ¹	GC200/ GC250	A48-CL30/ A48-CL35	GG20/ GG25
60a	Hexagon head cap screw	SM25C	A108-1025	-
60b	Spring washer	SM25C	A108-1025	-
66	Spring washer	STS304	A276-304	1.4301
76	Nameplate	STS304	A276-304	1.4301
84a	Inlet strainer	Standard version	SS400	A283-Gr.D
		R version	STS304	A276-304
84b	Hexagon head cap screw	-	A276-304	1.4301
84c	Spring washer	STS304	A276-304	1.4301
102	Stop ring	-	-	-
105	Mechanical shaft seal	SIC/SIC	SIC/SIC	SIC/SIC
105b	Hexagon head cap screw	SM25C	A108-1025	-
105c	Shaft seal retainer	STS304	A276-304	1.4301
107	O-ring	NBR	NBR	NBR
108	Sealing washer	STS304	A276-304	1.4301
108a	O-ring	NBR	NBR	NBR
109	O-ring	NBR	NBR	NBR
109a	O-ring	NBR	NBR	NBR
117	Bridge	GC250	A48-CL35	GG25
150	Shaft sleeve	STS304	A276-304	1.4301
150a	Sleeve	STS304	A276-304	1.4301
150b	Sleeve	STS304	A276-304	1.4301
150c	Sleeve	STS304	A276-304	1.4301
151	Motor bracket ¹	GC200/ GC250	A48-CL30/ A48-CL35	GG20/ GG25
153	Lower bearing	--	--	--
153a	Upper bearing	-	-	-
154	Cover	-	-	-
154a	O-ring	NBR	NBR	NBR
154c	O-ring	NBR	NBR	NBR
155	Shaft seal housing ¹	GC200/ GC250	A48-CL30/ A48-CL35	GG20/ GG25
159	Rubber tube	NBR	NBR	NBR
159a	Clamping ring ¹	GC200/ GC250	A48-CL30/ A48-CL35	GG20/ GG25
168	Clamping ring ¹	GC200/ GC250	A48-CL30/ A48-CL35	GG20/ GG25

Pos.	Designation	Material		
		KS	ASTM	DIN
168a	Cable entry ¹	GC200/ GC250	A48-CL30/ A48-CL35	GG20/ GG25
172	Rotor with shaft	STS410	ANSI 410	-
178	Hexagon head cap screw	STS304	A276-304	1.4301
178a	Spring washer	STS304	A276-304	1.4301
181	Power supply cable	PNCT	PNCT	PNCT
181a	Hexagon head cap screw	STS304	A276-304	1.4301
181b	Spring washer	STS304	A276-304	1.4301
182	Hexagon head cap screw	STS304	A276-304	1.4301
182a	Spring washer	STS304	A276-304	1.4301
183	Hexagon head cap screw	STS304	A276-304	1.4301
183a	Spring washer	STS304	A276-304	1.4301
183b	Hexagon head cap screw	STS304	A276-304	1.4301
183c	Spring washer	STS304	A276-304	1.4301
184	Hexagon head cap screw	STS304	A276-304	1.4301
184a	Spring washer	STS304	A276-304	1.4301
184b	Hexagon head cap screw	STS304	A276-304	1.4301
184c	Spring washer	STS304	A276-304	1.4301
184f	O-ring	NBR	NBR	NBR
185	O-ring	NBR	NBR	NBR
186	Hexagon head cap screw	STS304	A276-304	1.4301
186a	Spring washer	STS304	A276-304	1.4301
188	Hexagon nut	STS304	A276-304	1.4301
188a	Hexagon head cap screw	STS304	A276-304	1.4301
188b	Spring washer	STS304	A276-304	1.4301
189	Inlet cover	GCD450	A536-77	GGG40
190	Lifting bracket	STS304	A276-304	1.4301
190d	Eyebolt	STS304	A276-304	1.4301
193	Oil plug	STS304	A276-304	1.4301
194	O-ring	NBR	NBR	NBR
198	Cable gland	NBR	NBR	NBR
198a	Washer	STS304	A276-304	1.4301
522	Hexagon head cap screw	STS304	A276-304	1.4301
523	Spring washer	STS304	A276-304	1.4301

¹ Materials for products up to 15 kW / Materials for 19 kW and larger products; e.g.: GC200/ GC250

8. Product description

Features

Ball bearings

The top bearing is single row deep-groove ball bearing.

The lower bearing, depending on the specific pump type can be:

- one single row deep groove ball bearing.
- two bearings, with 1 single row deep-groove ball bearing and 1 single-row angular contact ball bearing.

All bearings are lubricated in the factory, no further lubrication is needed.

Shaft seals

DWK.O

The pumps have double mechanical shaft seals separating the motor from the pumped liquid. The shaft seals are in the oil chamber.

The primary seal is SiC-SiC and the secondary is Carbon/Ceramic.

DWK.E, DWK.H

The pumps have double mechanical shaft seals and an additional lip seal. The additional lip seal protects the mechanical seals and shaft against abrasives. In case of wear, the lip seal can be replaced.

Note: DWK.H 11 and 15 kW do not have any additional lip seal.

The seal faces are made of SiC/SiC.

Motor

The motor is watertight and enclosed.

Number of poles: 2

Insulation class: F (155 °C).

Temperature class: F (105 °C).

Enclosure class: IP68.

Motor range

Pump type	Power, P2 [kW]
DWK.O	0.75
DWK.O	1.5
DWK.O	2.2
DWK.O	3.7
DWK.O	5.5
DWK.O	7.5
DWK.O/ DWK.H	11
DWK.O/ DWK.H	15
DWK.E/ DWK.H	22
DWK.E/ DWK.H	30
DWK.E/ DWK.H	37
DWK.E/ DWK.H	45
DWK.E/ DWK.H	55
DWK.E/ DWK.H	75
DWK.E/ DWK.H	90

Cables

The standard cable type is PNCT.

Cable type		Cable data		Pump type
Power (ground) cable	Sensor cable	Outer cable diameter [mm]	Bending radius	
[mm ²]			Free [mm]	
3 × 10 + 1 × 6	+ 4 × 1	22 ± 1	330	DWK.H
3 × 16 + 1 × 10	+ 4 × 1.5	26 ± 1	390	DWK.H
3 × 50 + 1 × 35*	+ 4 × 1.5	45.0 ± 1	675	DWK.H, DWK.E
4 × 1.5	-	13 ± 0.8	192	DWK.O
4 × 1.5	+ 2 × 1	17.5 ± 0.5	263	DWK.O
4 × 2.5	+ 4 × 1	21.5 ± 1	290	DWK.O
4 × 4	+ 4 × 1	21.5 ± 1	323	DWK.O
4 × 6	+ 4 × 1	25-25.4 ± 1	369	DWK.O
4 × 10	+ 6 × 1	33.6 ± 1.0	354	DWK.O
6 × 10 + 1 × 6	+ 6 × 1.5	34.0 ± 1	510	DWK.E, DWK.H
6 × 16 + 1 × 10	+ 6 × 1.5	34.0 ± 1	510	DWK.E, DWK.H
6 × 25 + 1 × 16	+ 6 × 1.5	42.0 ± 1	630	DWK.E, DWK.H
6 × 35 + 1 × 25	+ 6 × 1.5	45.0 ± 1	675	DWK.E, DWK.H
7 × 4.0	+ 4 × 1	25-25.4 ± 1	381	DWK.O
7 × 6.0	+ 6 × 1	25-25.4 ± 1	429	DWK.O

* 2EA - two power cable.

The cables are 10 m long as standard. Other cable lengths are available on request. See *List of variants* on page 12.

The number and dimension of cables depend on the motor size.

Cable entry

DWK.O

Cable entry consists of rubber bushing.

DWK.E, DWK.H

Cable entry consists of a rubber seal bushing, an epoxy diaphragm and a rubber cover. This provides radial and axial barrier against water penetration into the motor housing.

Sensors

The following thermal protections are available for DWK pumps, depending on the specific pump type:

- PTO located in the coil head, requires outside control through signal wires of the power cable.
- Klixon MW built in the motor compartment. It has an automatic reset and does not require outside control.
- Klixon 17AM located in the coil head, requires outside control through signal wires of the power cable.

As standard, the pumps are fitted with a PTO that cuts the circuit, except for the following models:

DWK.O.x.x.075.x.x.R
 DWK.O.x.x.15.x.x.R
 DWK.O.x.x.22.x.x.R and
 DWK.O.x.x.37.x.0D.R.

The above mentioned pumps have a circuit breaker Klixon MW instead of PTO.

DWK pumps are equipped with seal sensor to monitor motor enclosure for liquid detection, except for the following models:

DWK.O.x.x.075.x.x
 DWK.O.x.x.15.x.x
 DWK.O.x.x.22.x.x
 DWK.O.x.x.37.x.x.

Customised sensor options

- Pt100 sensor monitors the motor temperature and lower bearing in versions the sensor is not included as standard.
- Seal electrode sensor monitors water penetration into the stator housing in DWK.O, in which the sensor is not included as standard.

Testing

All pumps are tested before leaving the factory. The factory test report is based on ISO 9906:2012, grade 3B. Test reports can be ordered directly together with the pump or separately based on the pump serial number.

Other tests or third-party inspection certificates are available on request. See *List of variants* on page 12.

Operating conditions

The pumps are designed for continuous (S1) and intermittent operation (S3).

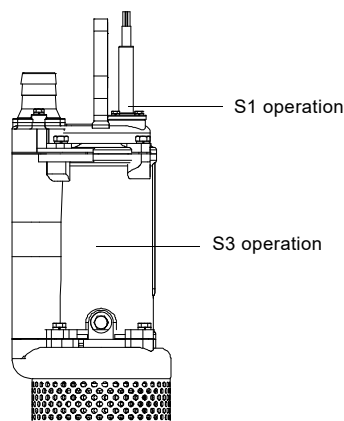


Fig. 31 Liquid level for DWK.O pumps in S1 or S3 operation.

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For DWK.E and DWK.H, which have a cooling jacket, the minimum liquid level is above the pump housing.

Continuous operation

Continuous operation, S1, is allowed when the pump is completely submerged in the pumped liquid.

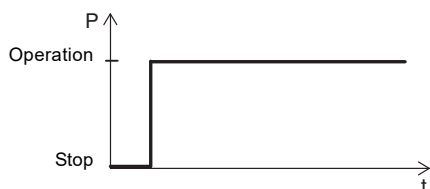


Fig. 32 Continuous operation

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Intermittent operation

During intermittent operation, S3, the pump must run for maximum 4 minutes and stop for minimum 6 minutes.

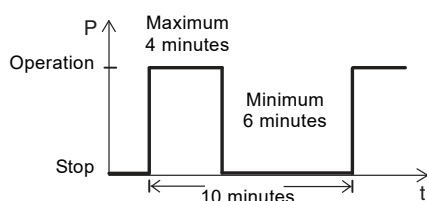


Fig. 33 Intermittent operation

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Maximum number of starts per hour

The maximum number of starts per hour for:

- DWK.O is 30
- DWK.E is 15
- DWK.H is 15.

Pumped liquids

pH value: 4-10.

Liquid temperature: 0-40 °C.

When pumping liquids with a density and/or a kinematic viscosity higher than water, use motors with higher outputs.

Pump controllers

The pumps can be controlled by LC231 and LC 241 level controllers. Both controllers can be used in single or dual pump applications.

The LC 231 is a compact solution with certified motor protection and current measurement. LC 231 can be operated in a single pump setup up to 12A or dual pump setup up to 9.6A. Starting method is only Direct On-Line for both analog pressure transmitter and digital float switches.

The LC 241 is a cabinet solution allowing setup customisation. Basic settings are configured through the operating panel. Advanced settings are configured with Grundfos GO Remote through Bluetooth. LC 241 can be operated in single and dual pump setup to 72A. Starting methods are the following for both analog pressure transmitter and digital float switches:

- Direct On-Line
- Star Delta
- Soft Starter.

For further settings, see the installation and operating instructions for the selected level controller.

Frequency converter operation

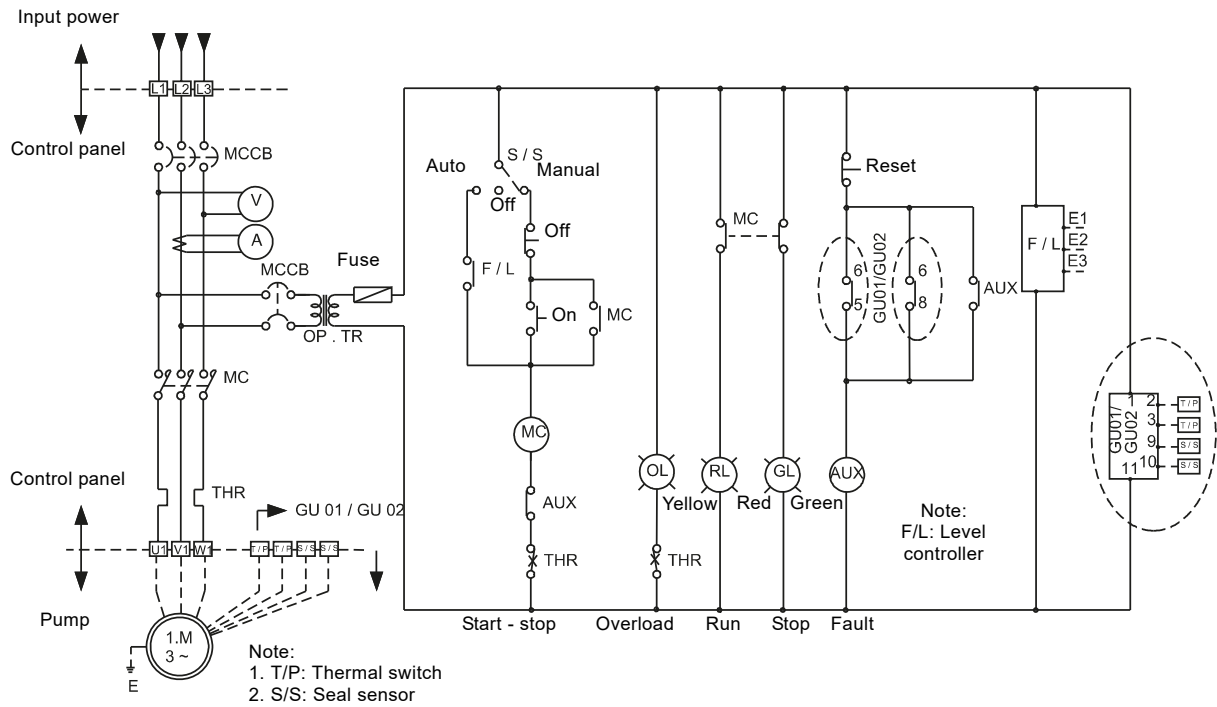
Frequency converter is available only for the DWK.E and DWK.H versions, for all sizes. DWK.O cannot be operated with frequency converter.

Frequency converter operation exposes the motor insulation system to a heavier load and may cause the motor to be more noisy due to eddy currents caused by voltage peaks.

In addition, large motors operated by a frequency converter are loaded by bearing currents.

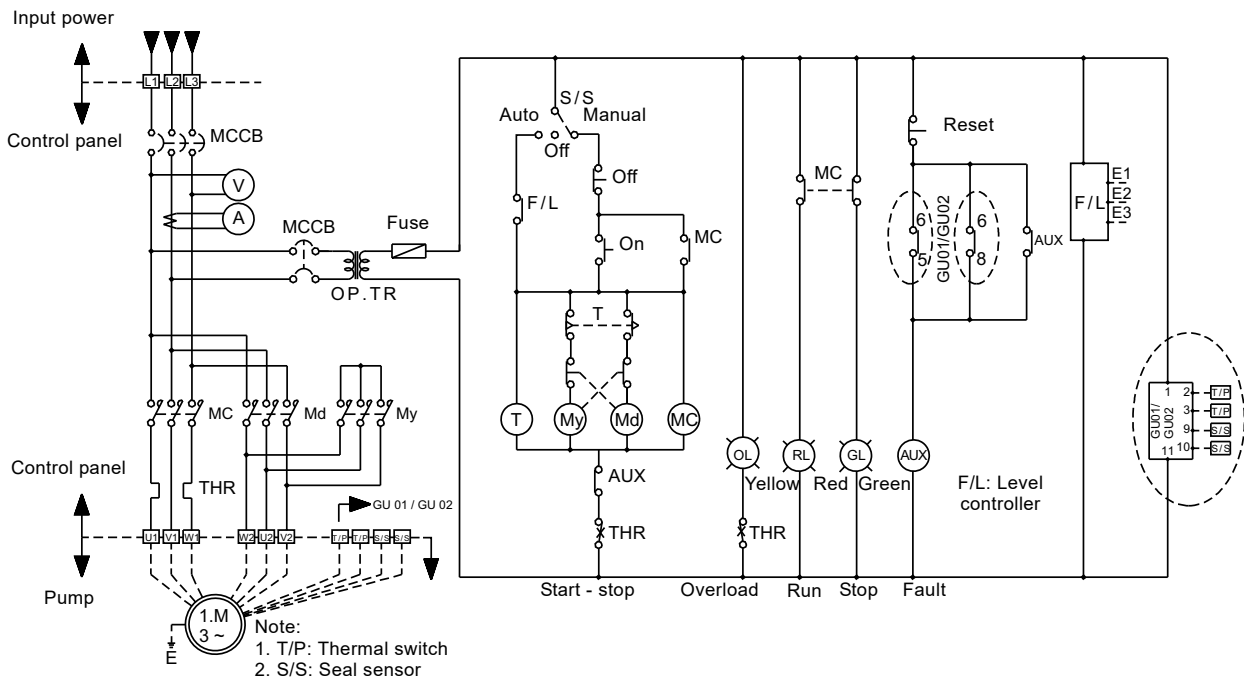
For more information, see the installation and operation instructions for the selected frequency converter in Grundfos Product Center at www.grundfos.com.

Wiring diagrams



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Fig. 34 Wiring diagram, DOL starting

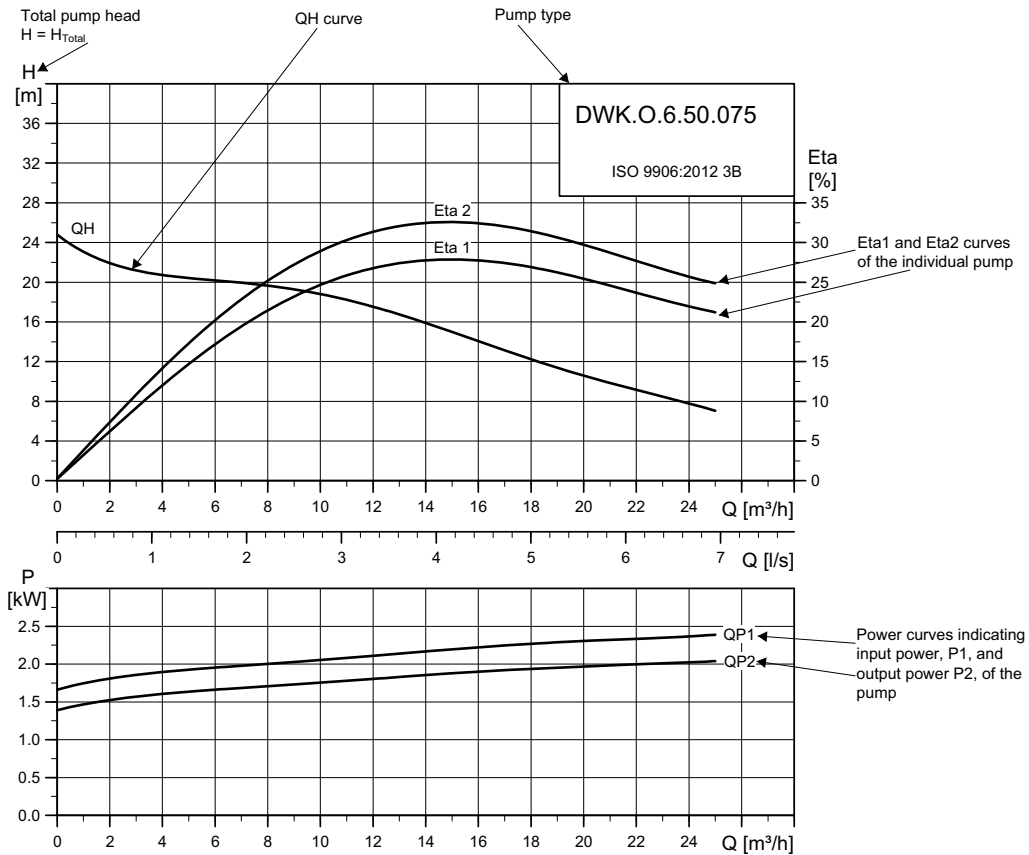


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Fig. 35 Wiring diagram, star-delta starting

9. Curve charts

How to read the curve charts



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Note: The pumps are tested according to ISO 9906:2012 grade 3B tolerance. Testing equipment and measuring instruments are designed and calibrated according to this standard. The pumps are approved according to tolerances for entire curves, specified in grade 3B.

Performance curve conditions

The guidelines below apply to the curves in chapter *Performance curves and technical data* on page 48.

- Tolerances according to ISO 9906:2012, grade 3B.
- The curves indicate pump performance with different impeller diameters at the rated speed.
- The curves apply to the pumping of airless water at a temperature of 20 °C and a kinematic viscosity of 1 mm²/s (1 cSt).
- The Eta curves show the efficiency of the pump.
 - Eta 1 is the total efficiency of the pump.
 - Eta 2 is the hydraulic efficiency of the pump.
- In case of other densities than 1000 kg/m³, the outlet pressure is proportional to the density.
- When pumping liquids with a density higher than 1000 kg/m³, motors with higher outputs must be used.

Calculation of total head

The total pump head can be calculated in the following way:

$$H_{\text{total}} = H_{\text{geo}} + H_{\text{stat}} + H_{\text{dyn}}$$

H_{geo} : Height difference between measuring points.

H_{stat} : Differential head between the inlet and outlet sides of the pump.

H_{dyn} : Calculated values based on the velocity of the pumped liquid on the inlet and outlet sides of the pump.

Performance tests

The requested duty point for every pump is tested according to ISO 9906:2012, grade 3B, and without certification.

If pumps are ordered based on the impeller diameter (no requested duty point), they are tested according to ISO 9906:2012, grade 3B.

If more points on the curve are to be checked, individual measurements and certificates are available on request.

Certificates

Certificates are available on request and have to be confirmed for each order. For more information about different certificates, see *List of variants* on page 12.

Witness test

It is possible for the customer to witness the testing procedure according to ISO 9906:2012.

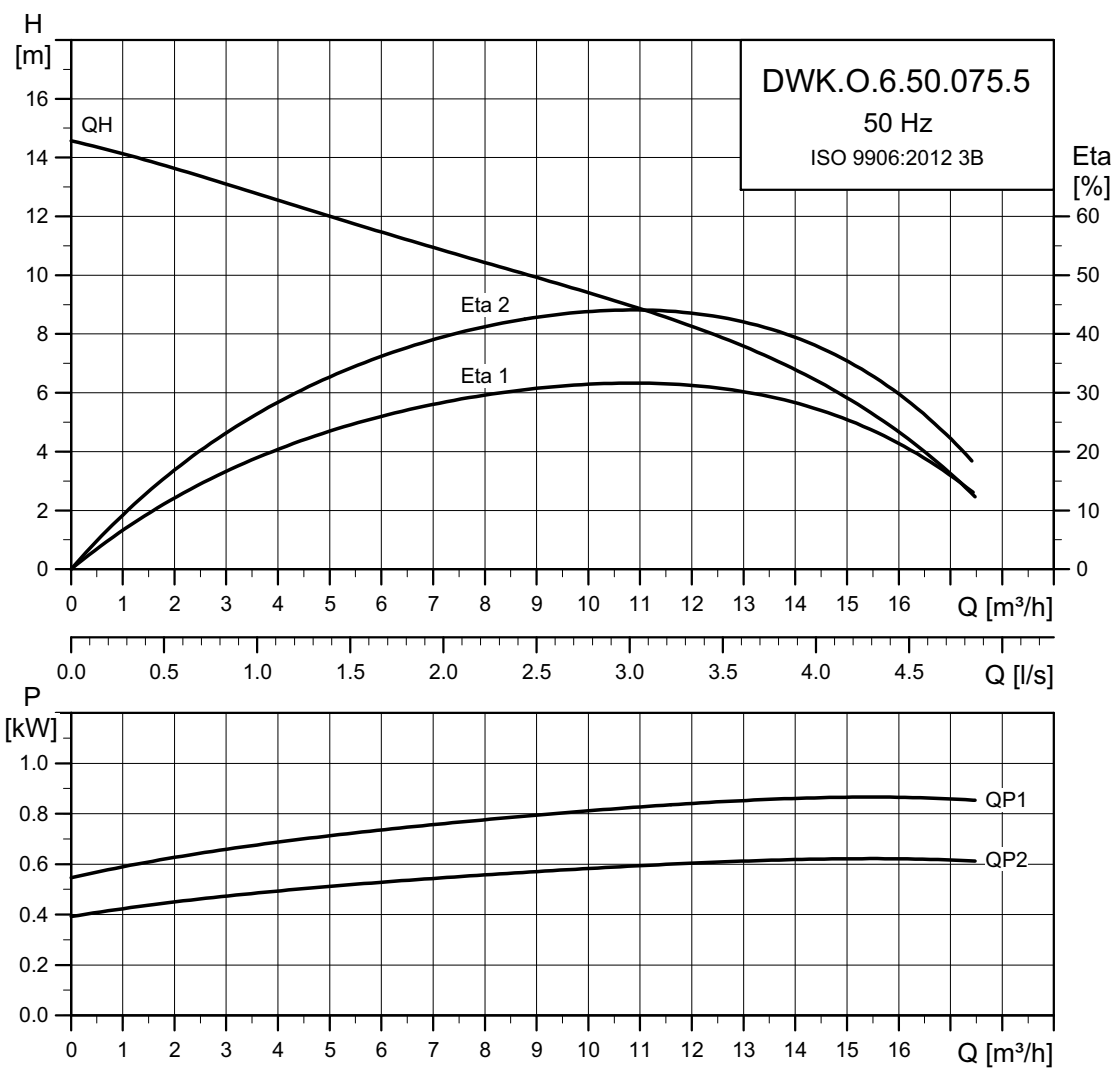
The witness test is not a certificate and will not result in a written statement from Grundfos. The witness is the only guarantee that everything is carried out as prescribed in the testing procedure.

If a witness test is required, it must be stated on the order.

10. Performance curves and technical data

DWK.O

DWK.O.6.50.075.5



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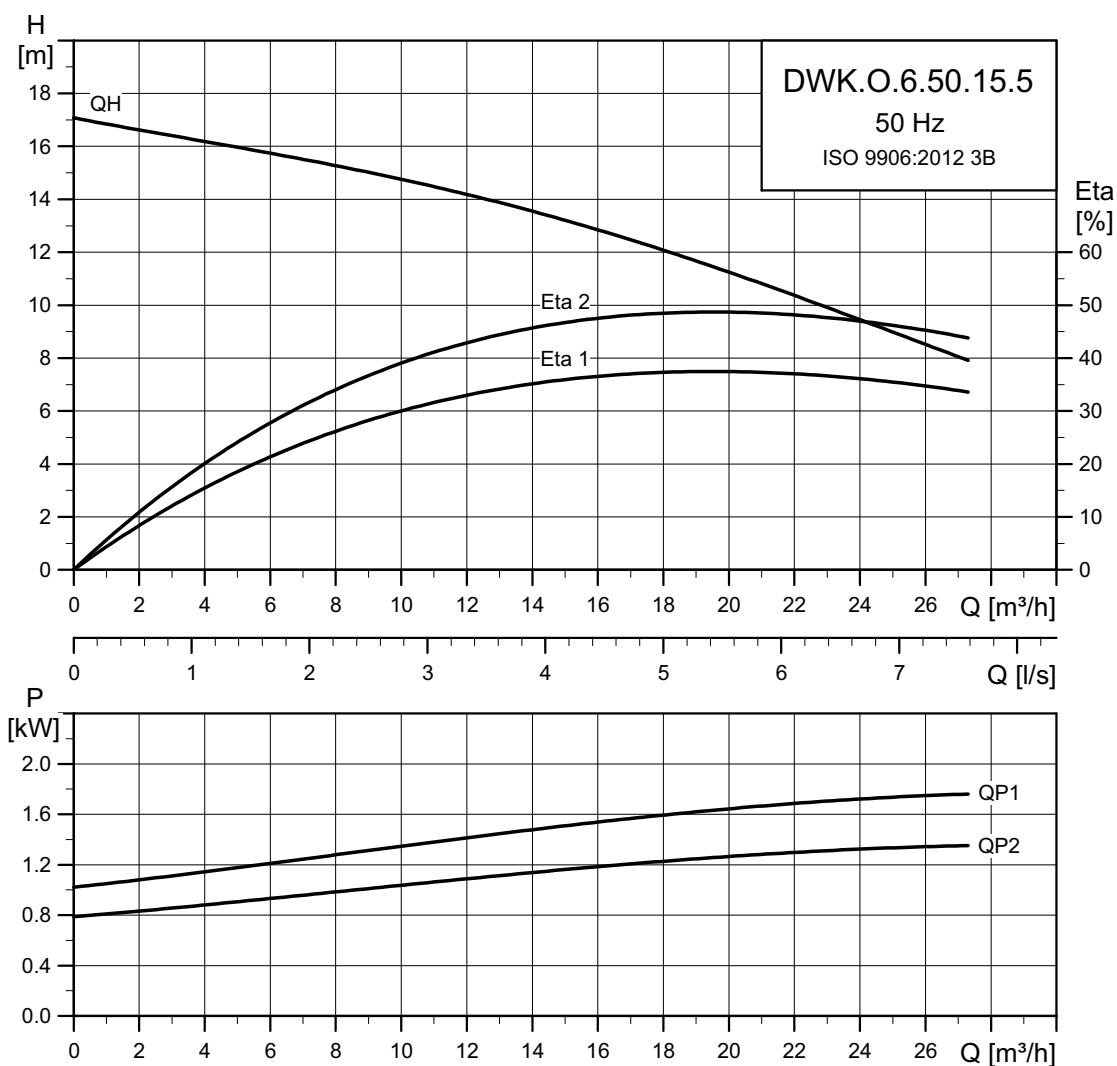
Electrical data

Pump type	Voltage [V]	P2 [kW]	min ⁻¹	Starting method	I _N [A]	η _{motor} [%]			Cos φ			Cable [mm ²]
						1/2	3/4	1/1	1/2	3/4	1/1	
DWK.O.6.50.075.5.0D	3 × 380-415 V Y	0.75	2850	DOL	1.6	72.5	77.5	79.2	0.72	0.82	0.88	4 × 1.5 + 2 × 1
DWK.O.6.50.075.5.0E	3 × 220-240 V D	0.75	2850	DOL	2.8	72.5	77.5	79.2	0.72	0.82	0.88	4 × 1.5 + 2 × 1
DWK.O.6.50.075.5.0D.R	3 × 380-415 V Y	0.75	2850	DOL	1.6	72.5	77.5	79.2	0.72	0.82	0.88	4 × 1.5
DWK.O.6.50.075.5.0E.R	3 × 220-240 V Y	0.75	2850	DOL	2.8	72.5	77.5	79.2	0.72	0.82	0.88	4 × 1.5

Pump data

Pump type	Impeller type	Maximum solids size [mm]	Maximum number of starts per hour	Maximum installation depth [m]	Enclosure class	Insulation class	Maximum liquid temperature [°C]	pH
DWK.O.6.50.075.5	Semi-open	6	30	25	68	F	40	4-10

DWK.O.6.50.15.5



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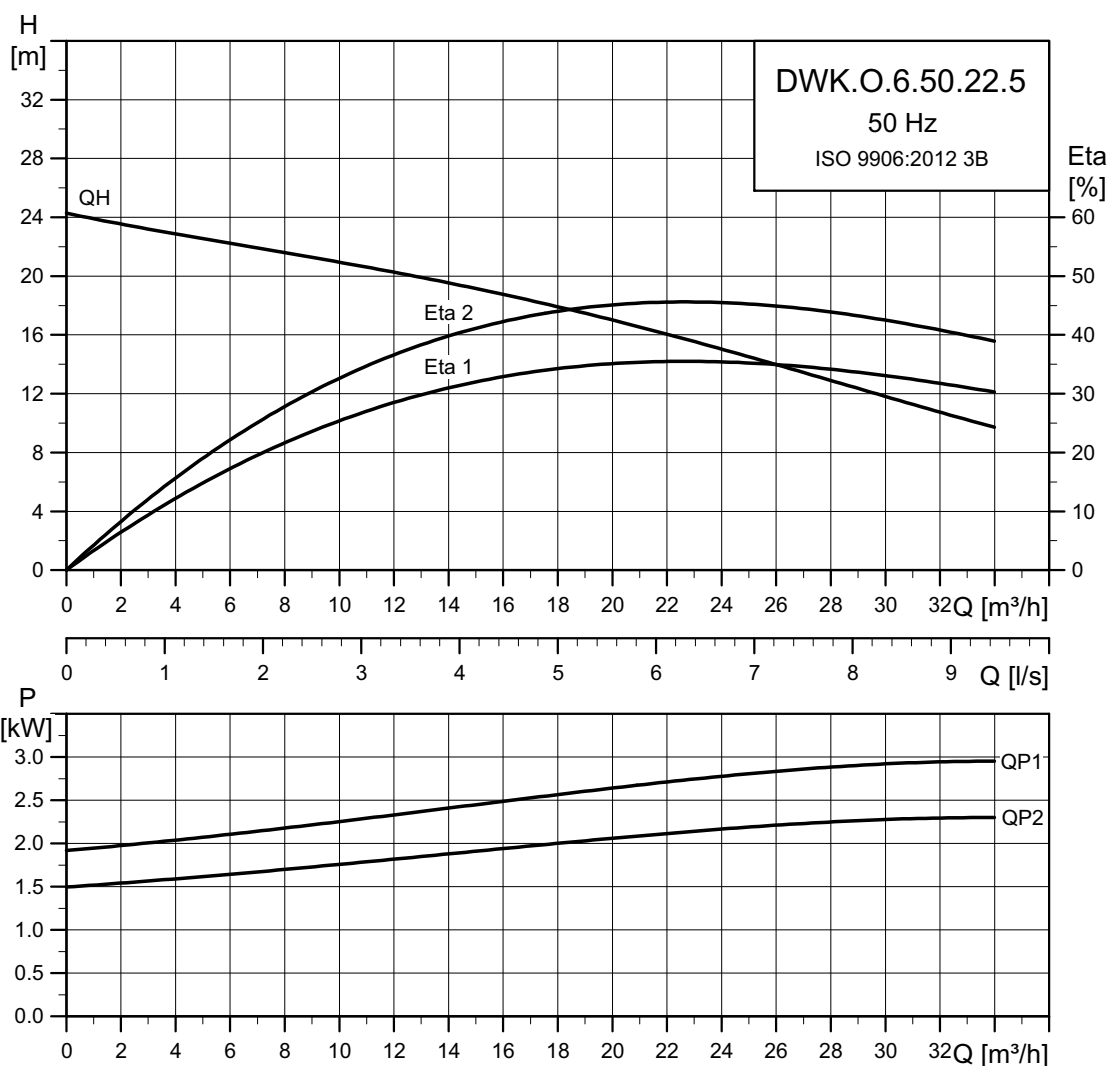
Electrical data

Pump type	Voltage [V]	P2 [kW]	min ⁻¹	Starting method	I _N [A]	η _{motor} [%]			Cos φ			Cable [mm ²]
						1/2	3/4	1/1	1/2	3/4	1/1	
DWK.O.6.50.15.5.0D	3 × 380-415 V Y	1.5	2850	DOL	3.2	78.0	82.1	83.02	0.68	0.78	0.85	4 × 1.5 + 2 × 1
DWK.O.6.50.15.5.0E	3 × 220-240 V D	1.5	2850	DOL	5.6	78.0	82.1	83.02	0.68	0.78	0.85	4 × 1.5 + 2 × 1
DWK.O.6.50.15.5.0D.R	3 × 380-415 V Y	1.5	2850	DOL	3.2	78.0	82.1	83.02	0.68	0.78	0.85	4 × 1.5
DWK.O.6.50.15.5.0E.R	3 × 220-240 V Y	1.5	2850	DOL	5.6	78.0	82.1	83.02	0.68	0.78	0.85	4 × 1.5

Pump data

Pump type	Impeller type	Maximum solids size [mm]	Maximum number of starts per hour	Maximum installation depth [m]	Enclosure class	Insulation class	Maximum liquid temperature [°C]	pH
DWK.O.6.50.15.5	Semi-open	6	30	25	68	F	40	4-10

DWK.O.6.50.22.5



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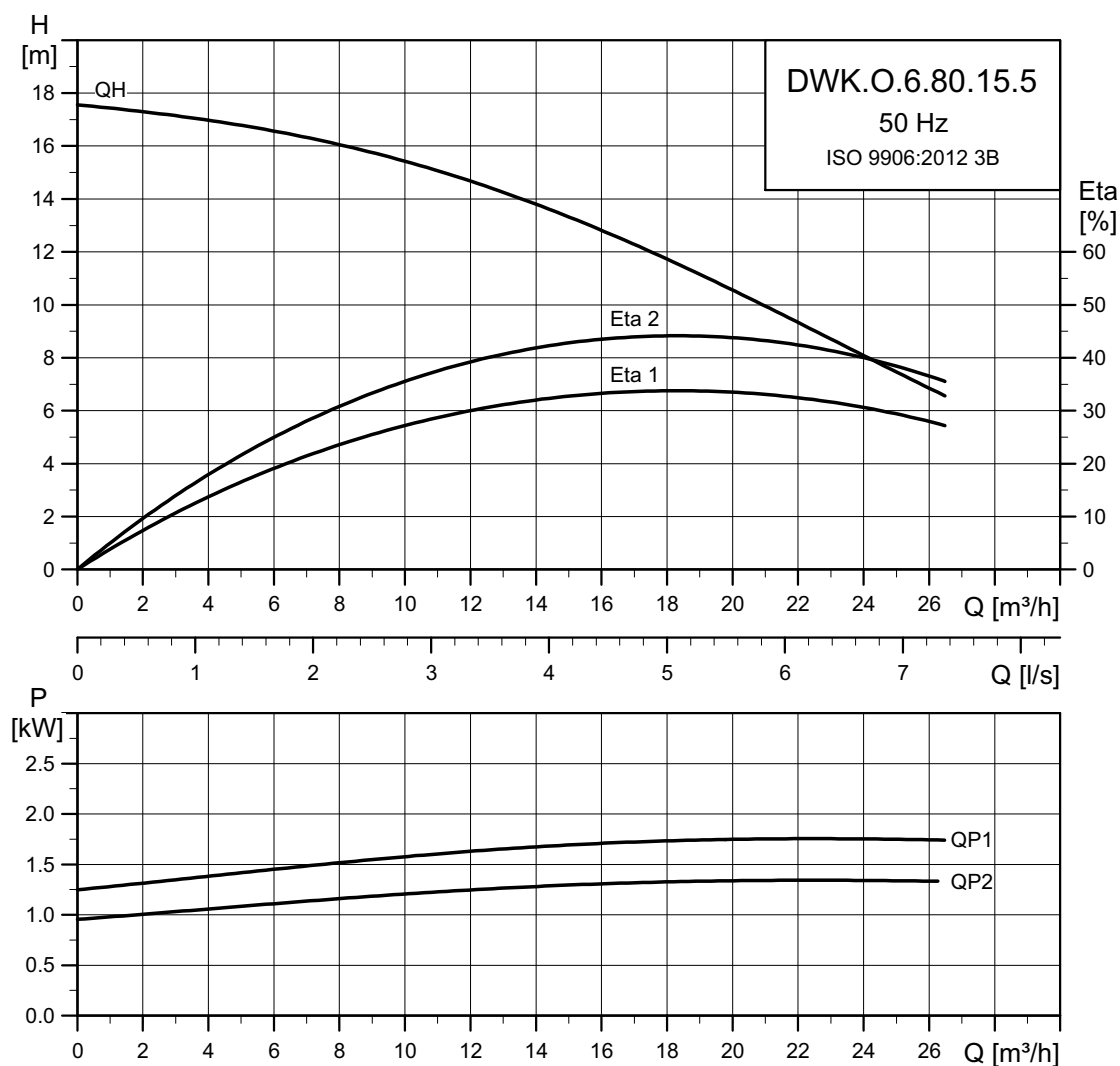
Electrical data

Pump type	Voltage [V]	P2 [kW]	min ⁻¹	Starting method	I _N [A]	η _{motor} [%]				Cos φ			Cable [mm ²]
						1/2	3/4	1/1	1/2	3/4	1/1		
DWK.O.6.50.22.5.0D	3 × 380-415V Y	2.2	2850	DOL	4.4	79.8	83.1	86.1	0.71	0.82	0.89	4 × 1.5 + 2 × 1	
DWK.O.6.50.22.5.0E	3 × 220-240 V D	2.2	2850	DOL	7.6	79.8	83.1	86.1	0.71	0.82	0.89	4 × 1.5 + 2 × 1	
DWK.O.6.50.22.5.0D.R	3 × 380-415 V Y	2.2	2850	DOL	4.4	79.8	83.1	86.1	0.71	0.82	0.89	4 × 1.5	
DWK.O.6.50.22.5.0E.R	3 × 220-240 V Y	2.2	2850	DOL	7.6	79.8	83.1	86.1	0.71	0.82	0.89	4 × 1.5	

Pump data

Pump type	Impeller type	Maximum solids size [mm]	Maximum number of starts per hour	Maximum installation depth [m]	Enclosure class	Insulation class	Maximum liquid temperature [°C]	pH
DWK.O.6.50.22.5	Semi-open	6	30	25	68	F	40	4-10

DWK.O.6.80.15.5



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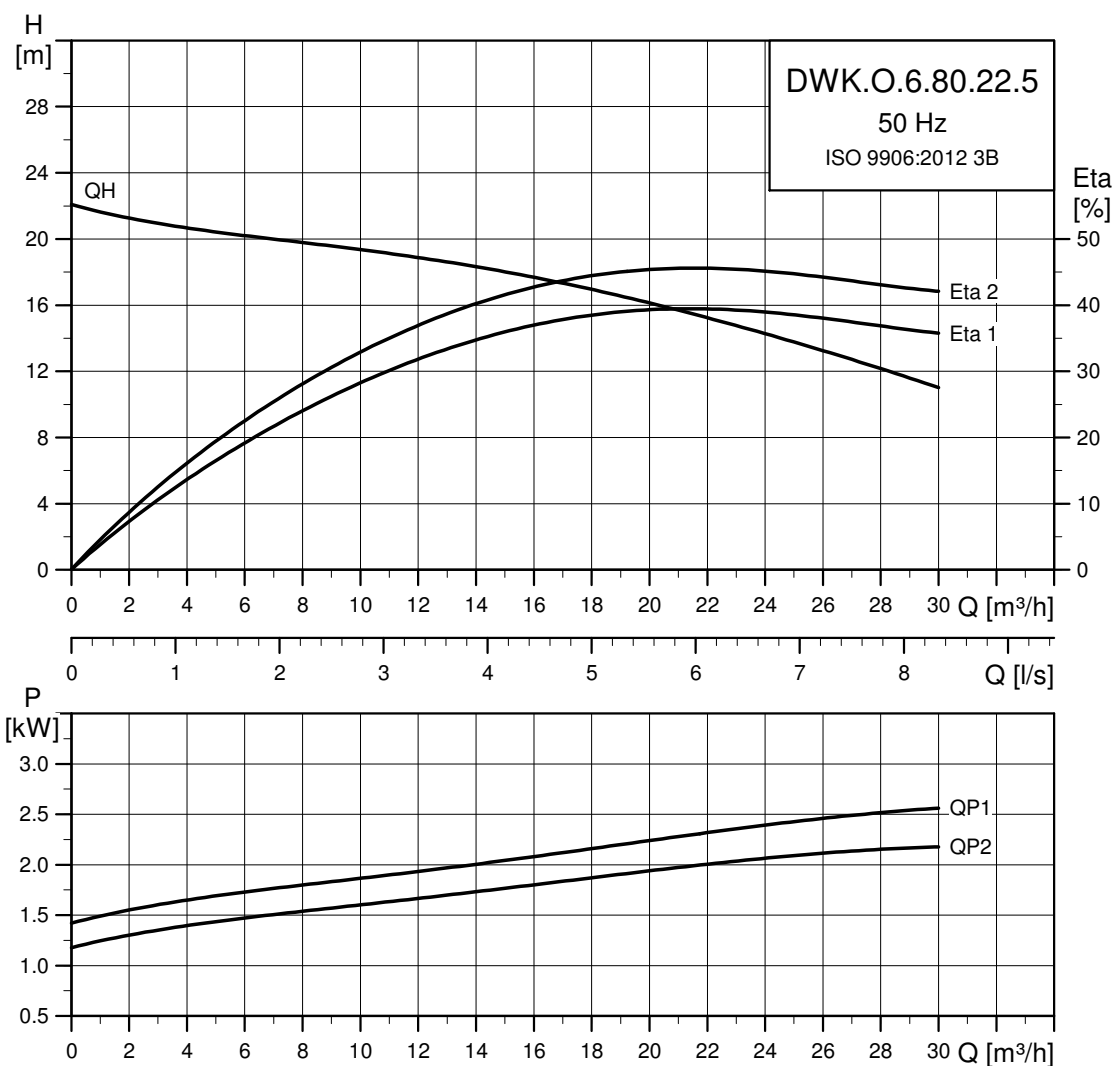
Electrical data

Pump type	Voltage [V]	P2 [kW]	min ⁻¹	Starting method	I _N [A]	η _{motor} [%]				Cos φ		Cable [mm ²]
						1/2	3/4	1/1	1/2	3/4	1/1	
DWK.O.6.80.15.5.0D	3 × 380-415 V Y	1.5	2850	DOL	3.2	78.0	82.1	83.02	0.68	0.78	0.85	4 × 1.5 + 2 × 1
DWK.O.6.80.15.5.0E	3 × 220-240 V D	1.5	2850	DOL	5.6	78.0	82.1	83.02	0.68	0.78	0.85	4 × 1.5 + 2 × 1
DWK.O.6.80.15.5.0D.R	3 × 380-415 V Y	1.5	2850	DOL	3.2	78.0	82.1	83.02	0.68	0.78	0.85	4 × 1.5
DWK.O.6.80.15.5.0E.R	3 × 220-240 V Y	1.5	2850	DOL	5.6	78.0	82.1	83.02	0.68	0.78	0.85	4 × 1.5

Pump data

Pump type	Impeller type	Maximum solids size [mm]	Maximum number of starts per hour	Maximum installation depth [m]	Enclosure class	Insulation class	Maximum liquid temperature [°C]	pH
DWK.O.6.80.15.5	Semi-open	6	30	25	68	F	40	4-10

DWK.O.6.80.22.5



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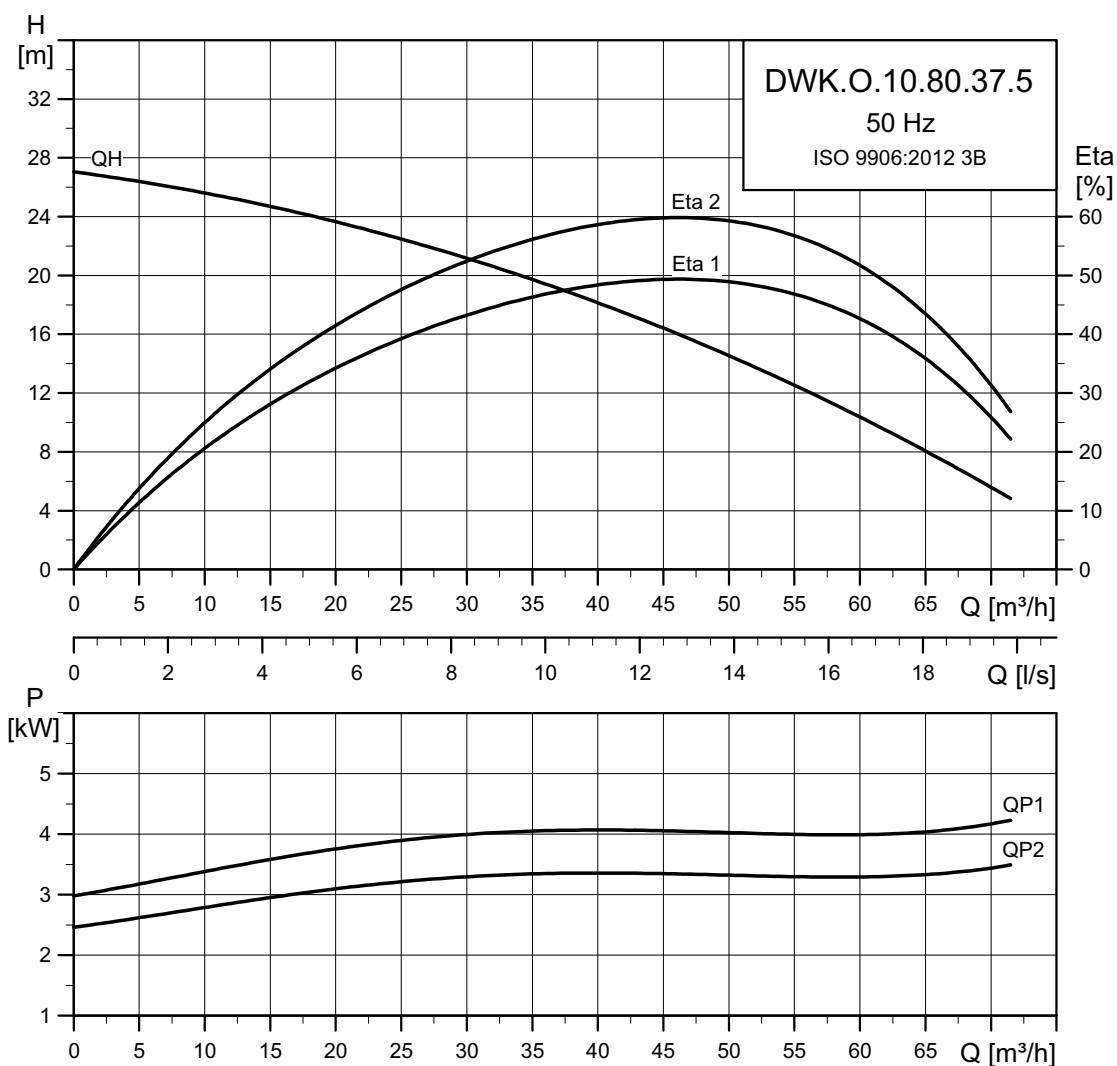
Electrical data

Pump type	Voltage [V]	P2 [kW]	min ⁻¹	Starting method	I _N [A]	η _{motor} [%]				Cos φ		Cable [mm ²]
						1/2	3/4	1/1	1/2	3/4	1/1	
DWK.O.6.80.22.5.0D	3 × 380-415 V Y	2.2	2850	DOL	4.4	79.8	83.1	86.1	0.71	0.82	0.89	4 × 1.5 + 2 × 1
DWK.O.6.80.22.5.0E	3 × 220-240 V D	2.2	2850	DOL	7.6	79.8	83.1	86.1	0.71	0.82	0.89	4 × 1.5 + 2 × 1
DWK.O.6.80.22.5.0D.R	3 × 380-415 V Y	2.2	2850	DOL	4.4	79.8	83.1	86.1	0.71	0.82	0.89	4 × 1.5
DWK.O.6.80.22.5.0E.R	3 × 220-240 V Y	2.2	2850	DOL	7.6	79.8	83.1	86.1	0.71	0.82	0.89	4 × 1.5

Pump data

Pump type	Impeller type	Maximum solids size [mm]	Maximum number of starts per hour	Maximum installation depth [m]	Enclosure class	Insulation class	Maximum liquid temperature [°C]	pH
DWK.O.6.80.22.5	Semi-open	6	30	25	68	F	40	4-10

DWK.O.10.80.37.5



TM04 2923 4514

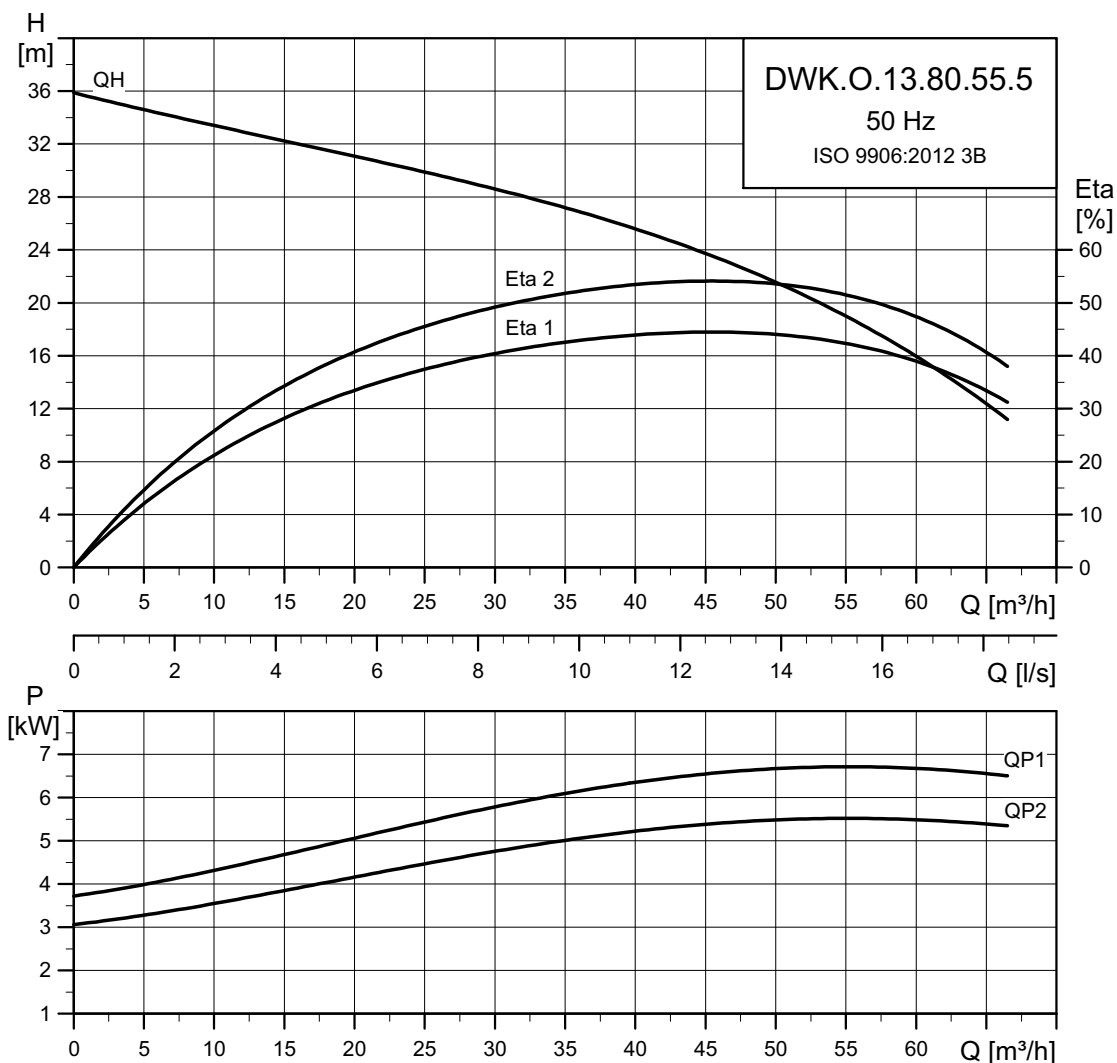
Electrical data

Pump type	Voltage [V]	P2 [kW]	min ⁻¹	Starting method	I _N [A]			η _{motor} [%]			Cos φ			Cable [mm ²]
					1/2	3/4	1/1	1/2	3/4	1/1	1/2	3/4	1/1	
DWK.O.10.80.37.5.0D	3 × 380-415 V Y	3.7	2850	DOL	7.6	85.6	85.5	84.5	0.85	0.90	0.91	4 × 1.5 + 2 × 1		
DWK.O.10.80.37.5.0E	3 × 220-240 V D	3.7	2850	DOL	12.5	85.6	85.5	84.5	0.85	0.90	0.91	4 × 2.5 + 4 × 1		
DWK.O.10.80.37.5.0D.R	3 × 380-415 V Y	3.7	2850	DOL	7.6	85.6	85.5	84.5	0.85	0.90	0.91	4 × 1.5		
DWK.O.10.80.37.5.0E.R	3 × 220-240 V D	3.7	2850	DOL	12.5	85.6	85.5	84.5	0.85	0.90	0.91	4 × 2.5 + 4 × 1		

Pump data

Pump type	Impeller type	Maximum solids size [mm]	Maximum number of starts per hour	Maximum installation depth [m]	Enclosure class	Insulation class	Maximum liquid temperature [°C]	pH
DWK.O.10.80.37.5	Semi-open	10	30	25	68	F	40	4-10

DWK.O.13.80.55.5



TM04 2924 4514

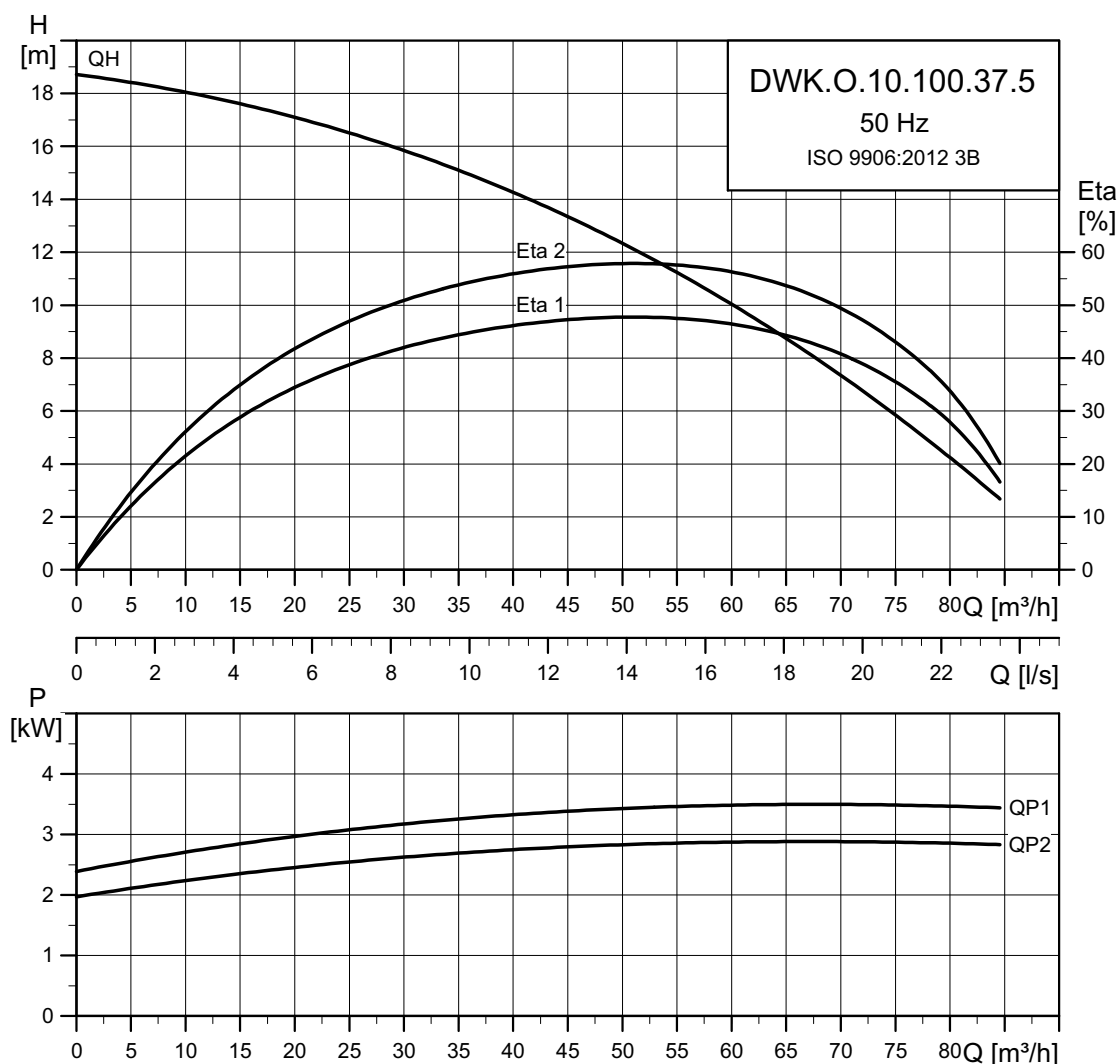
Electrical data

Pump type	Voltage [V]	P2 [kW]	min ⁻¹	Starting method	I _N [A]				η _{motor} [%]			Cos φ		Cable [mm ²]
					1/2	3/4	1/1	1/2	3/4	1/1	1/2	3/4	1/1	
DWK.O.13.80.55.5.0D	3 × 380-415 V Y	5.5	2850	DOL	10.5	88.2	88.8	88.2	0.82	0.88	0.91	4 × 2.5 + 4 × 1		
DWK.O.13.80.55.5.0E	3 × 220-240 V D	5.5	2850	DOL	18.0	88.2	88.8	88.2	0.82	0.88	0.91	4 × 4.0 + 4 × 1		
DWK.O.13.80.55.5.0D.R	3 × 380-415 V Y	5.5	2850	DOL	10.5	88.2	88.8	88.2	0.82	0.88	0.91	4 × 2.5 + 4 × 1		
DWK.O.13.80.55.5.0E.R	3 × 220-240 V D	5.5	2850	DOL	18.0	88.2	88.8	88.2	0.82	0.88	0.91	4 × 4.0 + 4 × 1		
DWK.O.13.80.55.5.1D	3 × 380-415 V D	5.5	2850	Y/D	10.5	88.2	88.8	88.2	0.82	0.88	0.91	7 × 4.0 + 4 × 1		
DWK.O.13.80.55.5.1E	3 × 220-240 V D	5.5	2850	Y/D	18.0	88.2	88.8	88.2	0.82	0.88	0.91	7 × 4.0 + 4 × 1		
DWK.O.13.80.55.5.1D.R	3 × 380-415 V D	5.5	2850	Y/D	10.5	88.2	88.8	88.2	0.82	0.88	0.91	7 × 4.0 + 4 × 1		
DWK.O.13.80.55.5.1E.R	3 × 220-240 V D	5.5	2850	Y/D	18.0	88.2	88.8	88.2	0.82	0.88	0.91	7 × 4.0 + 4 × 1		

Pump data

Pump type	Impeller type	Maximum solids size [mm]	Maximum number of starts per hour	Maximum installation depth [m]	Enclosure class	Insulation class	Maximum liquid temperature [°C]	pH
DWK.O.13.80.55.5	Semi-open	13	30	25	68	F	40	4-10

DWK.O.10.100.37.5



TM04 2925 4514

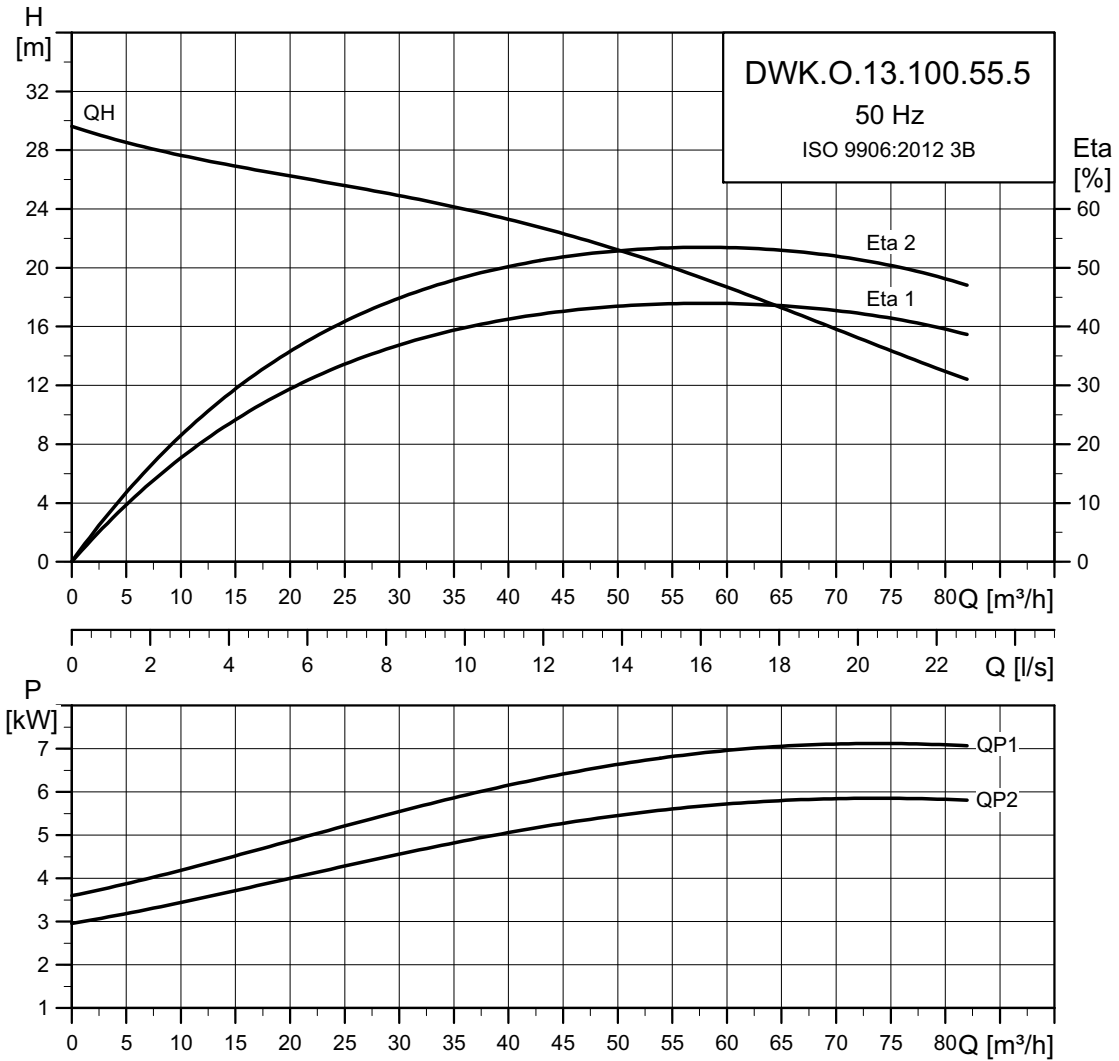
Electrical data

Pump type	Voltage [V]	P2 [kW]	min ⁻¹	Starting method	I _N [A]	η _{motor} [%]			Cos φ			Cable [mm ²]
						1/2	3/4	1/1	1/2	3/4	1/1	
DWK.O.10.100.37.5.0D	3 × 380-415 V Y	3.7	2850	DOL	7.6	85.6	85.5	84.5	0.85	0.90	0.91	4 × 1.5 + 2 × 1
DWK.O.10.100.37.5.0E	3 × 220-240 V D	3.7	2850	DOL	12.5	85.6	85.5	84.5	0.85	0.90	0.91	4 × 2.5 + 4 × 1
DWK.O.10.100.37.5.0D.R	3 × 380-415 V Y	3.7	2850	DOL	7.6	85.6	85.5	84.5	0.85	0.90	0.91	4 × 1.5
DWK.O.10.100.37.5.0E.R	3 × 220-240 V D	3.7	2850	DOL	12.5	85.6	85.5	84.5	0.85	0.90	0.91	4 × 2.5 + 4 × 1

Pump data

Pump type	Impeller type	Maximum solids size [mm]	Maximum number of starts per hour	Maximum installation depth [m]	Enclosure class	Insulation class	Maximum liquid temperature [°C]	pH
DWK.O.10.100.37	Semi-open	10	30	25	68	F	40	4-10

DWK.O.13.100.55.5



TM04 2926 4514

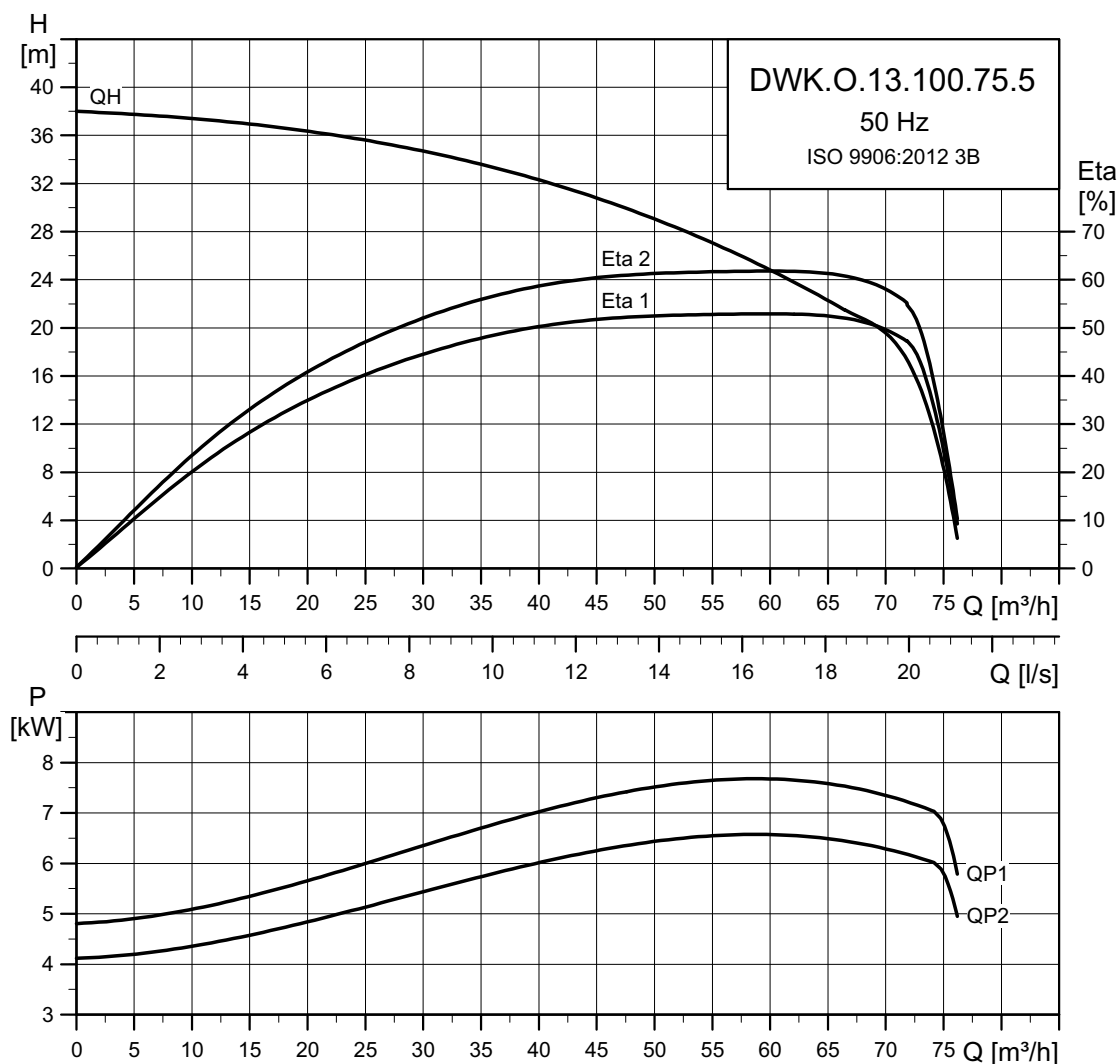
Electrical data

Pump type	Voltage [V]	P2 [kW]	min ⁻¹	Starting method	I _N [A]	η _{motor} [%]			Cos φ			Cable [mm ²]
						1/2	3/4	1/1	1/2	3/4	1/1	
DWK.O.13.100.55.5.0D	3 × 380-415 V Y	5.5	2850	DOL	14.1	88.2	88.8	88.2	0.82	0.88	0.91	4 × 2.5 + 4 × 1
DWK.O.13.100.55.5.0E	3 × 220-240 V D	5.5	2850	DOL	24.3	88.2	88.8	88.2	0.82	0.88	0.91	4 × 4.0 + 4 × 1
DWK.O.13.100.55.5.0D.R	3 × 380-415 V Y	5.5	2850	DOL	14.1	88.2	88.8	88.2	0.82	0.88	0.91	4 × 2.5 + 4 × 1
DWK.O.13.100.55.5.0E.R	3 × 220-240 V D	5.5	2850	DOL	24.3	88.2	88.8	88.2	0.82	0.88	0.91	4 × 4.0 + 4 × 1
DWK.O.13.100.55.5.1D	3 × 380-415 V D	5.5	2850	Y/D	14.1	88.2	88.8	88.2	0.82	0.88	0.91	7 × 4.0 + 4 × 1
DWK.O.13.100.55.5.1E	3 × 220-240 V D	5.5	2850	Y/D	24.3	88.2	88.8	88.2	0.82	0.88	0.91	7 × 4.0 + 4 × 1
DWK.O.13.100.55.5.1D.R	3 × 380-415 V D	5.5	2850	Y/D	14.1	88.2	88.8	88.2	0.82	0.88	0.91	7 × 4.0 + 4 × 1
DWK.O.13.100.55.5.1E.R	3 × 220-240 V D	5.5	2850	Y/D	24.3	88.2	88.8	88.2	0.82	0.88	0.91	7 × 4.0 + 4 × 1

Pump data

Pump type	Impeller type	Maximum solids size [mm]	Maximum number of starts per hour	Maximum installation depth [m]	Enclosure class	Insulation class	Maximum liquid temperature [°C]	pH
DWK.O.13.100.55	Semi-open	13	30	25	68	F	40	4-10

DWK.O.13.100.75.5



TM04 2927 4514

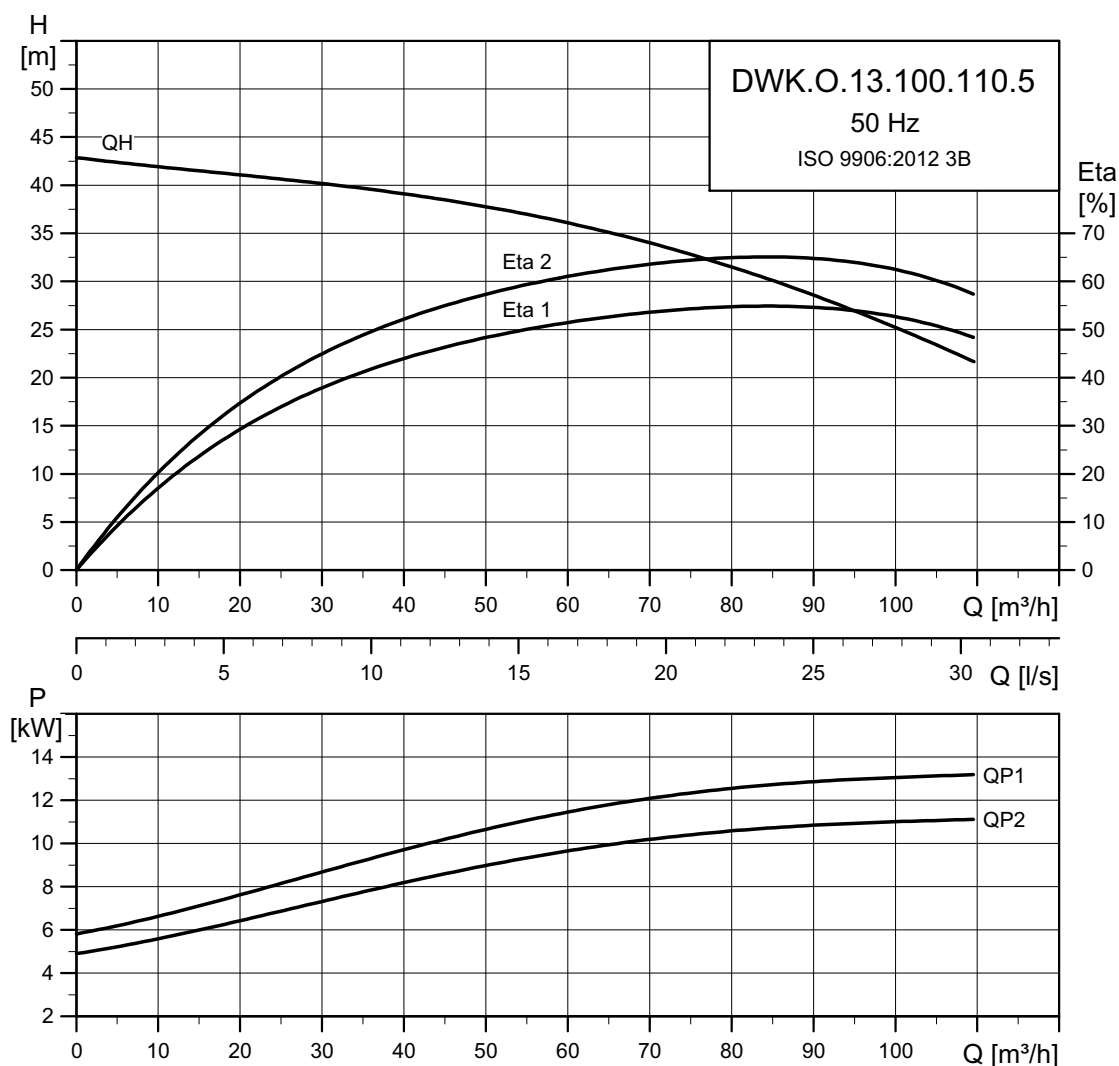
Electrical data

Pump type	Voltage [V]	P2 [kW]	min ⁻¹	Starting method	I _N [A]	η _{motor} [%]			Cos φ			Cable [mm ²]
						1/2	3/4	1/1	1/2	3/4	1/1	
DWK.O.13.100.75.5.0D	3 × 380-415 V Y	7.5	2850	DOL	14.1	88.9	59.2	88.3	0.86	0.905	0.92	4 × 4.0 + 4 × 1
DWK.O.13.100.75.5.0E	3 × 220-240 V D	7.5	2850	DOL	24.3	88.9	59.2	88.3	0.86	0.905	0.92	4 × 6.0 + 4 × 1
DWK.O.13.100.75.5.0D.R	3 × 380-415 V Y	7.5	2850	DOL	14.1	88.9	59.2	88.3	0.86	0.905	0.92	4 × 4.0 + 4 × 1
DWK.O.13.100.75.5.0E.R	3 × 220-240 V D	7.5	2850	DOL	24.3	88.9	59.2	88.3	0.86	0.905	0.92	4 × 6.0 + 4 × 1
DWK.O.13.100.75.5.1D	3 × 380-415 V D	7.5	2850	Y/D	14.1	88.9	59.2	88.3	0.86	0.905	0.92	7 × 4.0 + 4 × 1
DWK.O.13.100.75.5.1E	3 × 220-240 V D	7.5	2850	Y/D	24.3	88.9	59.2	88.3	0.86	0.905	0.92	7 × 4.0 + 4 × 1
DWK.O.13.100.75.5.1D.R	3 × 380-415 V D	7.5	2850	Y/D	14.1	88.9	59.2	88.3	0.86	0.905	0.92	7 × 4.0 + 4 × 1
DWK.O.13.100.75.5.1E.R	3 × 220-240 V D	7.5	2850	Y/D	24.3	88.9	59.2	88.3	0.86	0.905	0.92	7 × 4.0 + 4 × 1

Pump data

Pump type	Impeller type	Maximum solids size [mm]	Maximum number of starts per hour	Maximum installation depth [m]	Enclosure class	Insulation class	Maximum liquid temperature [°C]	pH
DWK.O.13.100.75	Semi-open	13	30	25	68	F	40	4-10

DWK.O.13.100.110.5



TM04 2928 4514

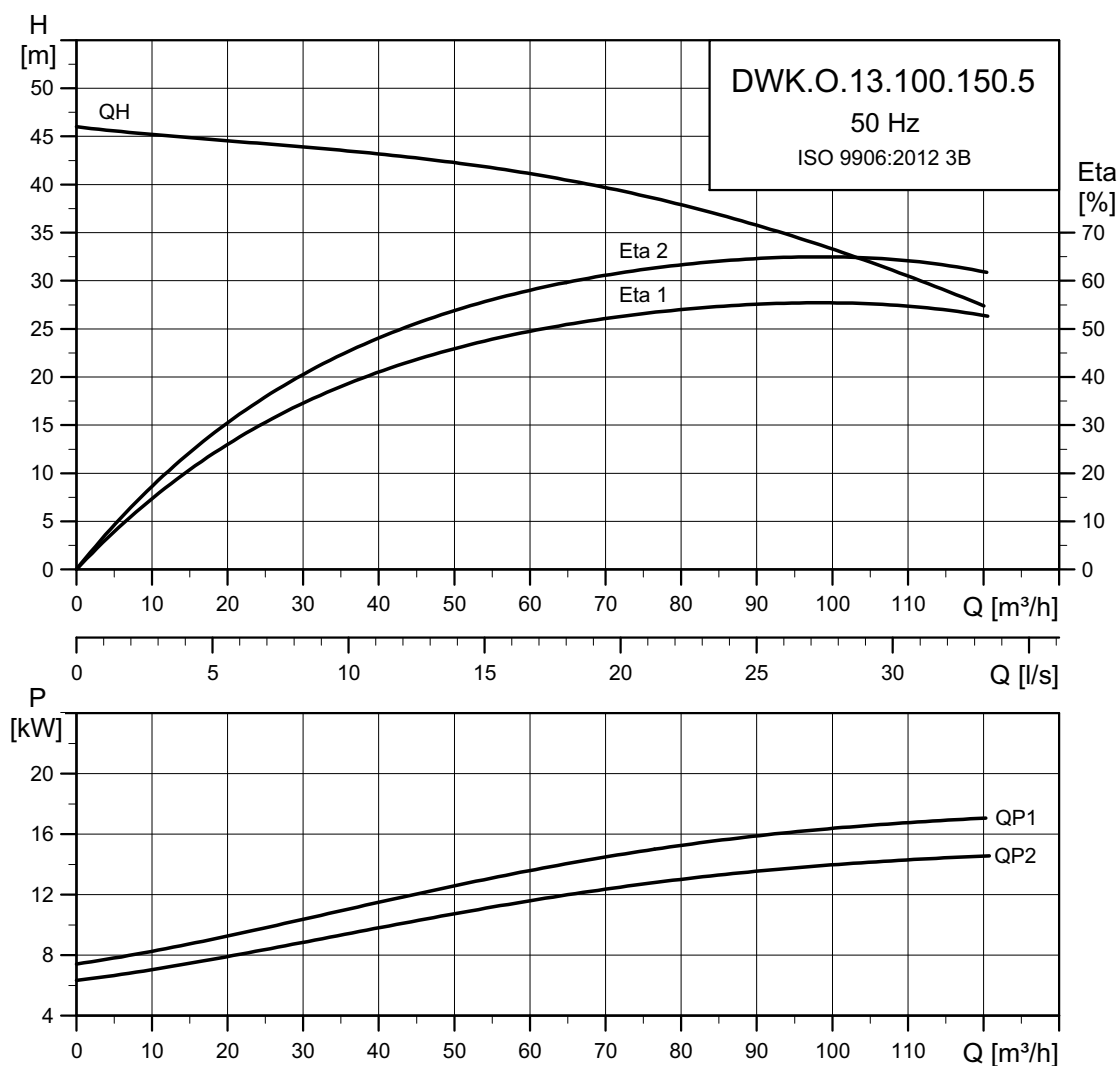
Electrical data

Pump type	Voltage [V]	P2 [kW]	min ⁻¹	Starting method	I _N [A]	η _{motor} [%]			Cos φ			Cable [mm ²]
						1/2	3/4	1/1	1/2	3/4	1/1	
DWK.O.13.100.110.5.0D	3 × 380-415 V Y	11	2850	DOL	20.4	89.2	90.0	89.5	0.87	0.90	0.91	4 × 6.0 + 4 × 1
DWK.O.13.100.110.5.0E	3 × 220-240 V D	11	2850	DOL	35.0	89.2	90.0	89.5	0.87	0.90	0.91	4 × 10.0 + 6 × 1
DWK.O.13.100.110.5.0D.R	3 × 380-415 V Y	11	2850	DOL	20.4	89.2	90.0	89.5	0.87	0.90	0.91	4 × 6.0 + 4 × 1
DWK.O.13.100.110.5.0E.R	3 × 220-240 V D	11	2850	DOL	35.0	89.2	90.0	89.5	0.87	0.90	0.91	4 × 10.0 + 6 × 1
DWK.O.13.100.110.5.1D	3 × 380-415 V D	11	2850	Y/D	20.4	89.2	90.0	89.5	0.87	0.90	0.91	7 × 4.0 + 4 × 1
DWK.O.13.100.110.5.1E	3 × 220-240 V D	11	2850	Y/D	35.0	89.2	90.0	89.5	0.87	0.90	0.91	7 × 6.0 + 6 × 1
DWK.O.13.100.110.5.1D.R	3 × 380-415 V D	11	2850	Y/D	20.4	89.2	90.0	89.5	0.87	0.90	0.91	7 × 4.0 + 4 × 1
DWK.O.13.100.110.5.1E.R	3 × 220-240 V D	11	2850	Y/D	35.0	89.2	90.0	89.5	0.87	0.90	0.91	7 × 6.0 + 6 × 1

Pump data

Pump type	Impeller type	Maximum solids size [mm]	Maximum number of starts per hour	Maximum installation depth [m]	Enclosure class	Insulation class	Maximum liquid temperature [°C]	pH
DWK.O.13.100.110.5	Semi-open	13	30	25	68	F	40	4-10

DWK.O.13.100.150.5



TM04 2929 4514

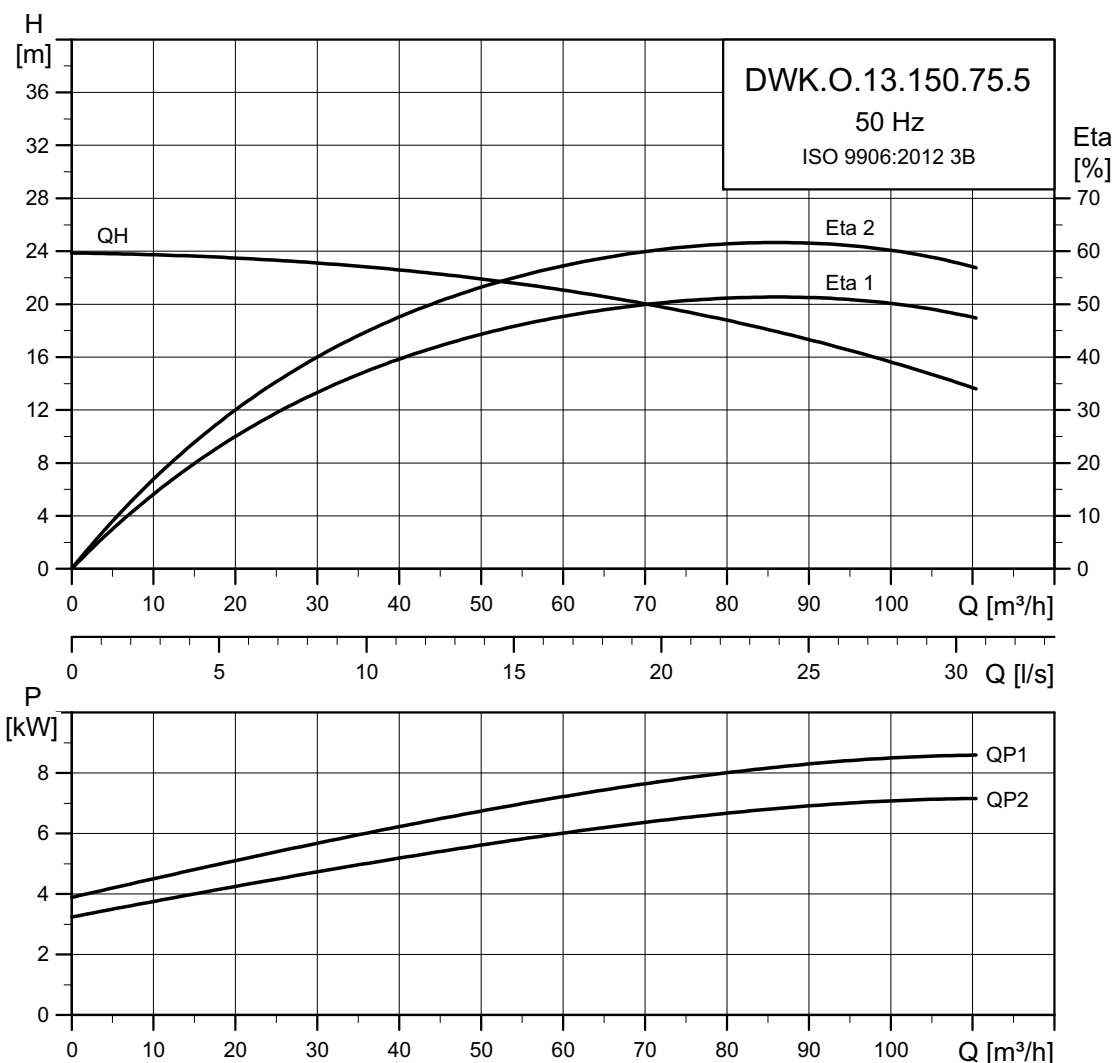
Electrical data

Pump type	Voltage [V]	P2 [kW]	min ⁻¹	Starting method	I _N			η _{motor} [%]			Cos φ			Cable [mm ²]
					[A]	1/2	3/4	1/1	1/2	3/4	1/1			
DWK.O.13.100.150.5.0D	3 × 380-415 V Y	15	2850	DOL	27.8	89.5	90.3	89.8	0.88	0.91	0.92	4 × 6.0 + 4 × 1		
DWK.O.13.100.150.5.0D.R	3 × 380-415 V Y	15	2850	DOL	27.8	89.5	90.3	89.8	0.88	0.91	0.92	4 × 6.0 + 4 × 1		
DWK.O.13.100.150.5.0E	3 × 220-240 V D	15	2850	DOL	27.8	89.5	90.3	89.8	0.88	0.91	0.92	4 × 10.0 + 6 × 1		
DWK.O.13.100.150.5.0E.R	3 × 220-240 V D	15	2850	DOL	27.8	89.5	90.3	89.8	0.88	0.91	0.92	4 × 10.0 + 6 × 1		
DWK.O.13.100.150.5.1D	3 × 380-415 V D	15	2850	Y/D	27.8	89.5	90.3	89.8	0.88	0.91	0.92	7 × 4.0 + 4 × 1		
DWK.O.13.100.150.5.1E	3 × 220-240 V D	15	2850	Y/D	27.8	89.5	90.3	89.8	0.88	0.91	0.92	7 × 6.0 + 6 × 1		
DWK.O.13.100.150.5.1D.R	3 × 380-415 V D	15	2850	Y/D	27.8	89.5	90.3	89.8	0.88	0.91	0.92	7 × 4.0 + 4 × 1		
DWK.O.13.100.150.5.1E.R	3 × 220-240 V D	15	2850	Y/D	27.8	89.5	90.3	89.8	0.88	0.91	0.92	7 × 6.0 + 6 × 1		

Pump data

Pump type	Impeller type	Maximum solids size [mm]	Maximum number of starts per hour	Maximum installation depth [m]	Enclosure class	Insulation class	Maximum liquid temperature [°C]	pH
DWK.O.13.100.150	Semi-open	13	30	25	68	F	40	4-10

DWK.O.13.150.75.5



TM04 2930 4514

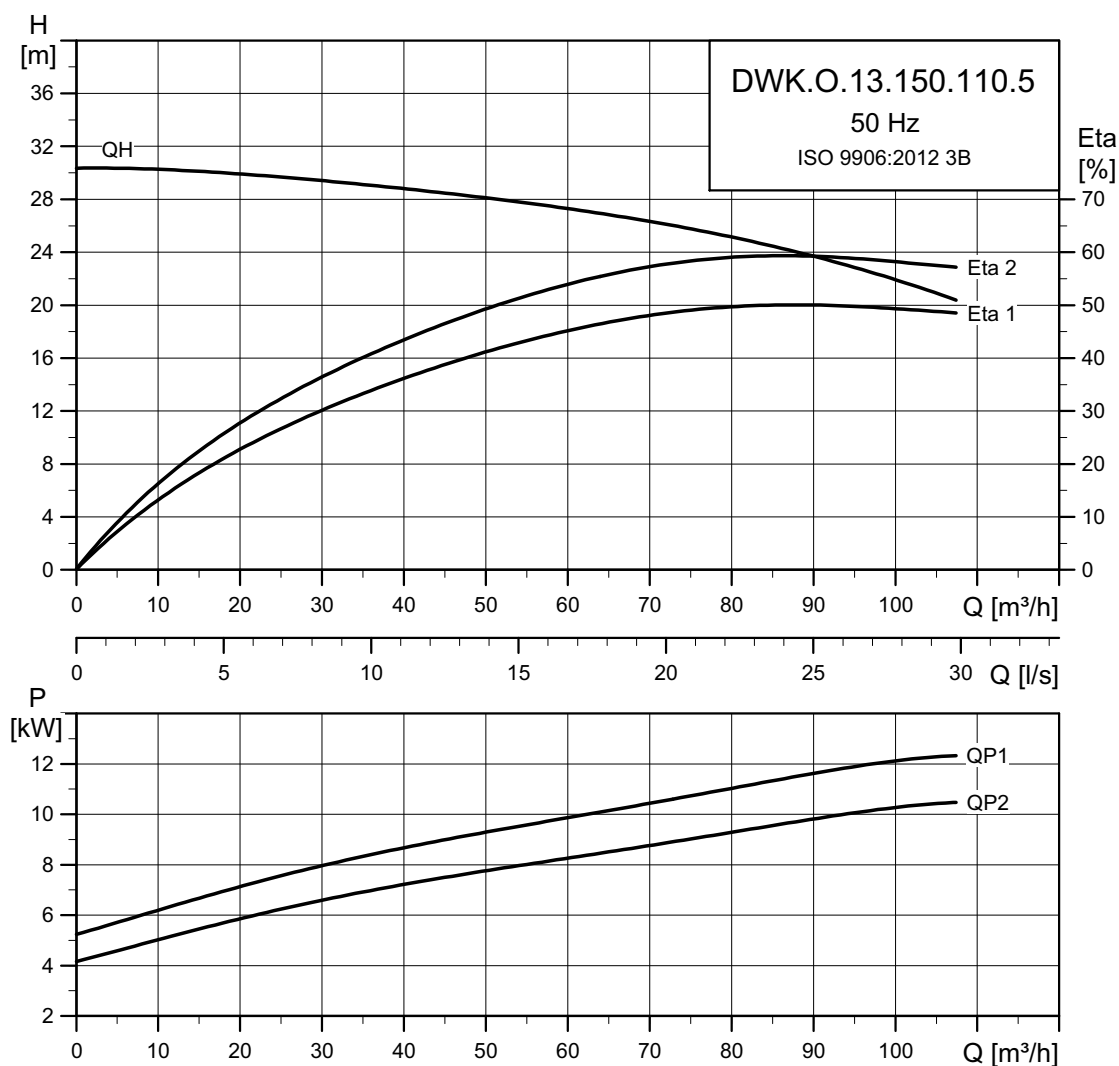
Electrical data

Pump type	Voltage [V]	P2 [kW]	min ⁻¹	Starting method	I _N [A]	η _{motor} [%]			Cos φ			Cable [mm ²]
						1/2	3/4	1/1	1/2	3/4	1/1	
DWK.O.13.150.75.5.0D	3 × 380-415 V Y	7.5	2850	DOL	14.1	88.9	89.2	88.3	0.86	0.905	0.92	4 × 4.0 + 4 × 1
DWK.O.13.150.75.5.0E	3 × 220-240 V D	7.5	2850	DOL	24.3	88.9	89.2	88.3	0.86	0.905	0.92	4 × 6.0 + 4 × 1
DWK.O.13.150.75.5.0D.R	3 × 380-415 V Y	7.5	2850	DOL	14.1	88.9	89.2	88.3	0.86	0.905	0.92	4 × 4.0 + 4 × 1
DWK.O.13.150.75.5.0E.R	3 × 220-240 V D	7.5	2850	DOL	24.3	88.9	89.2	88.3	0.86	0.905	0.92	4 × 6.0 + 4 × 1
DWK.O.13.150.75.5.1D	3 × 380-415 V D	7.5	2850	Y/D	14.1	88.9	89.2	88.3	0.86	0.905	0.92	7 × 4.0 + 4 × 1
DWK.O.13.150.75.5.1E	3 × 220-240 V D	7.5	2850	Y/D	24.3	88.9	89.2	88.3	0.86	0.905	0.92	7 × 4.0 + 4 × 1
DWK.O.13.150.75.5.1D.R	3 × 380-415 V D	7.5	2850	Y/D	14.1	88.9	89.2	88.3	0.86	0.905	0.92	7 × 4.0 + 4 × 1
DWK.O.13.150.75.5.1E.R	3 × 220-240 V D	7.5	2850	Y/D	24.3	88.9	89.2	88.3	0.86	0.905	0.92	7 × 4.0 + 4 × 1

Pump data

Pump type	Impeller type	Maximum solids size [mm]	Maximum number of starts per hour	Maximum installation depth [m]	Enclosure class	Insulation class	Maximum liquid temperature [°C]	pH
DWK.O.13.150.75	Semi-open	13	30	25	68	F	40	4-10

DWK.O.13.150.110.5



TM04 2931 4514

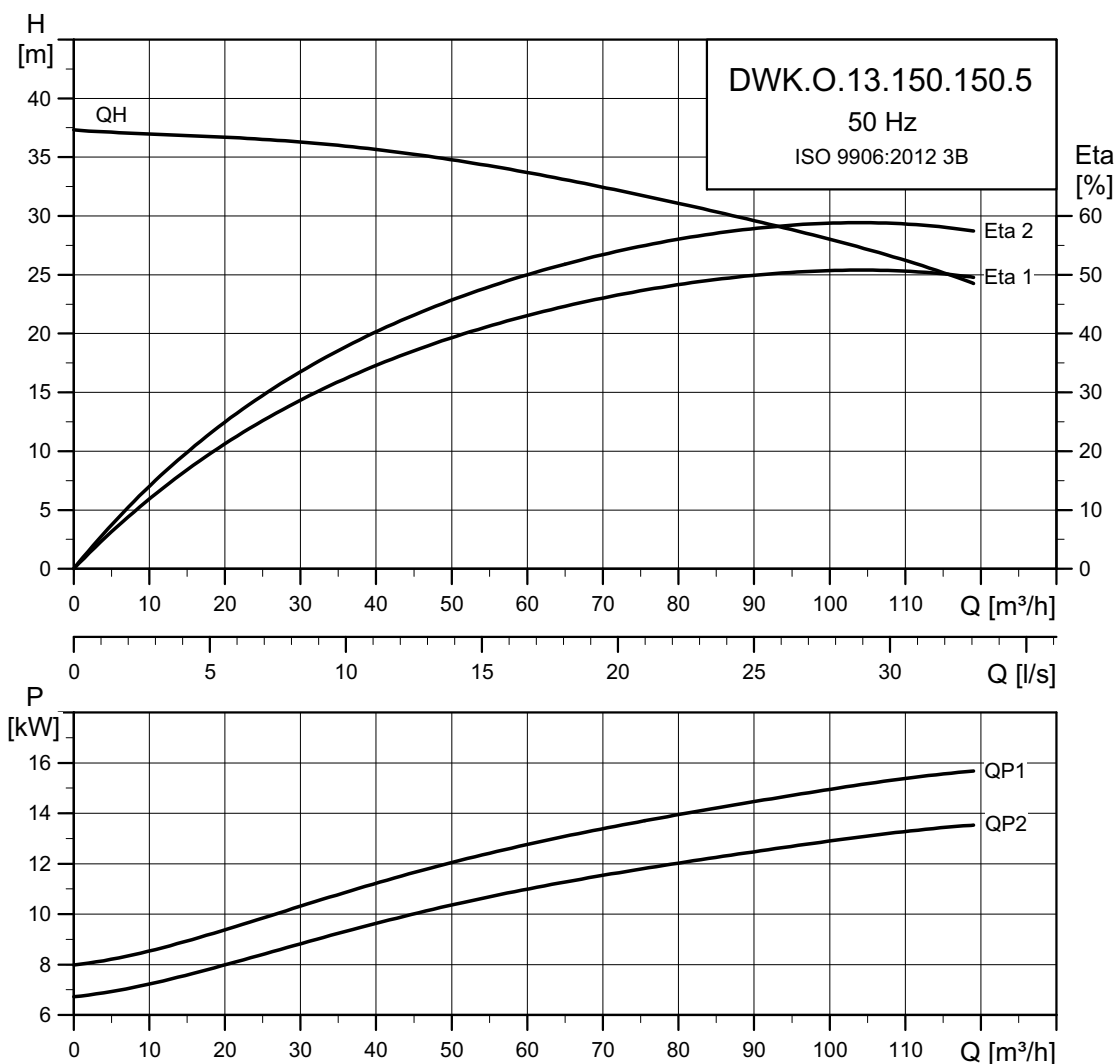
Electrical data

Pump type	Voltage [V]	P2 [kW]	min ⁻¹	Starting method	I _N [A]	η _{motor} [%]			Cos φ			Cable [mm ²]
						1/2	3/4	1/1	1/2	3/4	1/1	
DWK.O.13.150.110.5.0D	3 × 380-415 V Y	11	2850	DOL	20.4	89.2	90.0	89.5	0.87	0.91	0.92	4 × 6.0 + 4 × 1
DWK.O.13.150.110.5.0E	3 × 220-240 V D	11	2850	DOL	35.0	89.2	90.0	89.5	0.87	0.91	0.92	4 × 10.0 + 6 × 1
DWK.O.13.150.110.5.0D.R	3 × 380-415 V Y	11	2850	DOL	20.4	89.2	90.0	89.5	0.87	0.91	0.92	4 × 6.0 + 4 × 1
DWK.O.13.150.110.5.0E.R	3 × 220-240 V D	11	2850	DOL	35.0	89.2	90.0	89.5	0.87	0.91	0.92	4 × 10.0 + 6 × 1
DWK.O.13.150.110.5.1D	3 × 380-415 V D	11	2850	Y/D	20.4	89.2	90.0	89.5	0.87	0.91	0.92	7 × 4.0 + 4 × 1
DWK.O.13.150.110.5.1E	3 × 220-240 V D	11	2850	Y/D	35.0	89.2	90.0	89.5	0.87	0.91	0.92	7 × 6.0 + 6 × 1
DWK.O.13.150.110.5.1D.R	3 × 380-415 V D	11	2850	Y/D	20.4	89.2	90.0	89.5	0.87	0.91	0.92	7 × 4.0 + 4 × 1
DWK.O.13.150.110.5.1E.R	3 × 220-240 V D	11	2850	Y/D	35.0	89.2	90.0	89.5	0.87	0.91	0.92	7 × 6.0 + 6 × 1

Pump data

Pump type	Impeller type	Maximum solids size [mm]	Maximum number of starts per hour	Maximum installation depth [m]	Enclosure class	Insulation class	Maximum liquid temperature [°C]	pH
DWK.O.13.150.110	Semi-open	13	30	25	68	F	40	4-10

DWK.O.13.150.150.5



TM04 2932 4514

Electrical data

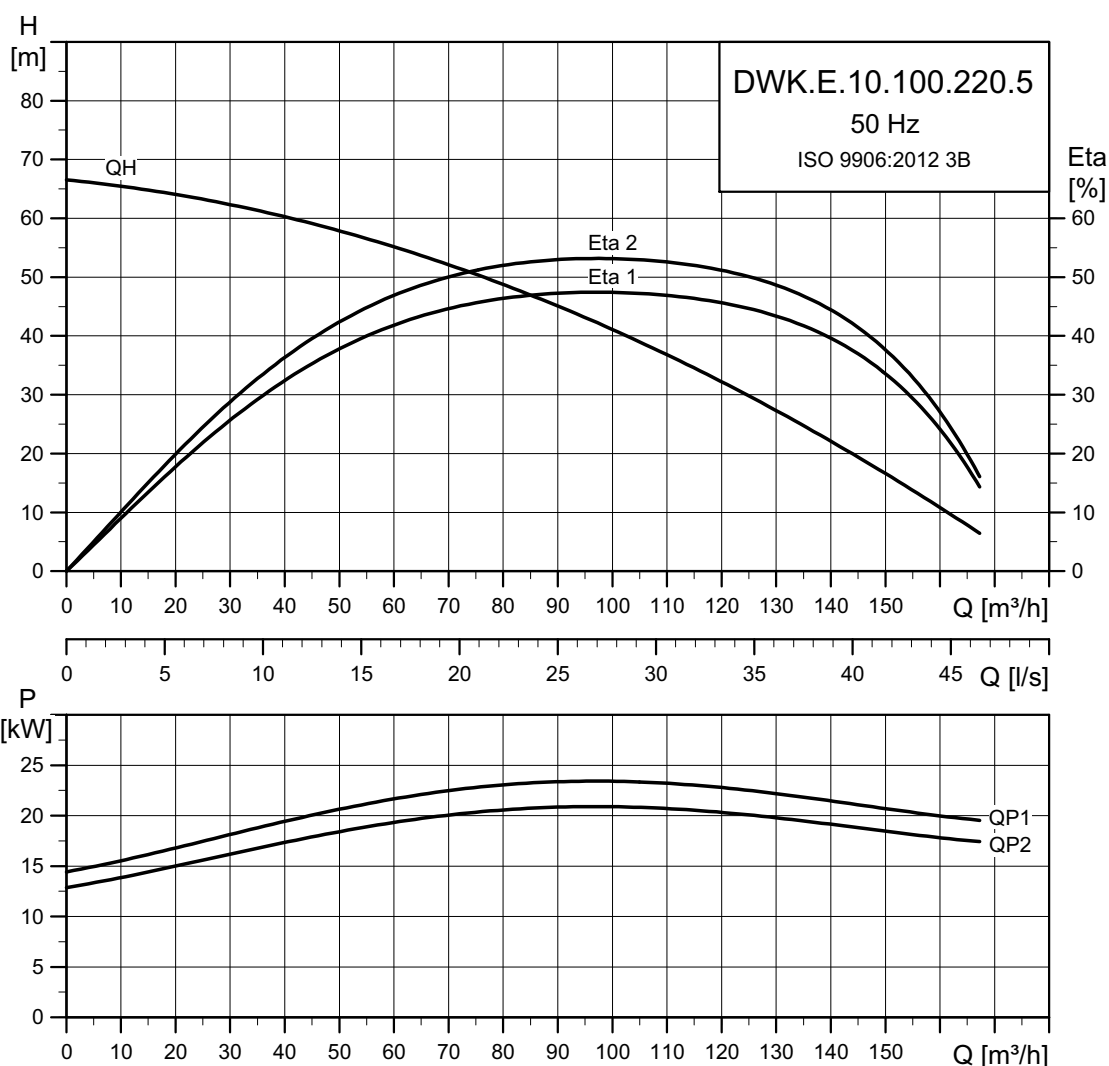
Pump type	Voltage [V]	P2 [kW]	min ⁻¹	Starting method	I _N			η _{motor} [%]			Cos φ			Cable [mm ²]
					[A]	1/2	3/4	1/1	1/2	3/4	1/1			
DWK.O.13.150.150.5.0D	3 × 380-415 V Y	15	2850	DOL	27.8	89.5	90.3	89.8	0.88	0.91	0.92	4 × 6.0 + 4 × 1		
DWK.O.13.150.150.5.0D.R	3 × 380-415 V Y	15	2850	DOL	27.8	89.5	90.3	89.8	0.88	0.91	0.92	4 × 6.0 + 4 × 1		
DWK.O.13.150.150.5.0E	3 × 220-240 V D	15	2850	DOL	27.8	89.5	90.3	89.8	0.88	0.91	0.92	4 × 10.0 + 6 × 1		
DWK.O.13.150.150.5.0E.R	3 × 220-240 V D	15	2850	DOL	27.8	89.5	90.3	89.8	0.88	0.91	0.92	4 × 10.0 + 6 × 1		
DWK.O.13.150.150.5.1D	3 × 380-415 V D	15	2850	Y/D	27.8	89.5	90.3	89.8	0.88	0.91	0.92	7 × 4.0 + 4 × 1		
DWK.O.13.150.150.5.1E	3 × 220-240 V D	15	2850	Y/D	27.8	89.5	90.3	89.8	0.88	0.91	0.92	7 × 6.0 + 6 × 1		
DWK.O.13.150.150.5.1D.R	3 × 380-415 V D	15	2850	Y/D	27.8	89.5	90.3	89.8	0.88	0.91	0.92	7 × 4.0 + 4 × 1		
DWK.O.13.150.150.5.1E.R	3 × 220-240 V D	15	2850	Y/D	27.8	89.5	90.3	89.8	0.88	0.91	0.92	7 × 6.0 + 6 × 1		

Pump data

Pump type	Impeller type	Maximum solids size [mm]	Maximum number of starts per hour	Maximum installation depth [m]	Enclosure class	Insulation class	Maximum liquid temperature [°C]	pH
DWK.O.13.150.150	Semi-open	13	30	25	68	F	40	4-10

DWK.E

DWK.E.10.100.220.5



TM04 2895 4514

Electrical data

DWK.E.10.100.220.5.1D.(R) - 3 × 380-415 V

P1 [kW]	P2 [kW]	min ⁻¹	Starting method	I _N [A]	I _{start} [A]			η _{motor} [%]			Cos φ			Moment of inertia [kgm ²]	Break down torque [Nm]	Cable [mm ²] [power-sensor]
					380 V	400 V	415 V	1/2	3/4	1/1	1/2	3/4	1/1			
24.7	22	2850	Y/D	43	247	234	226	87	89	89	0.75	0.82	0.86	0.21	184	7 × 6.0 + 6 × 1.0

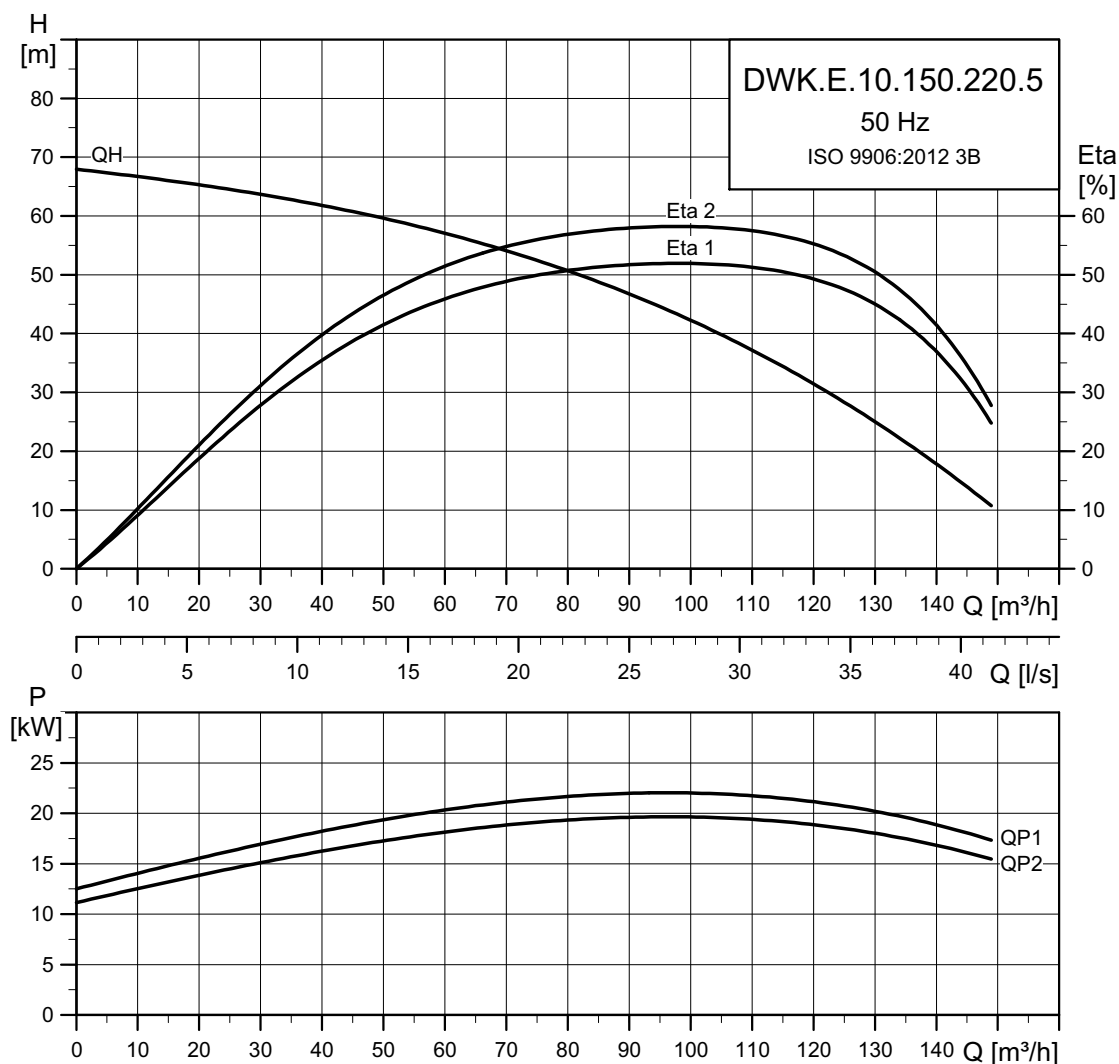
DWK.E.10.100.220.5.1E.(R) - 3 × 220-240 V

P1 [kW]	P2 [kW]	min ⁻¹	Starting method	I _N [A]	I _{start} [A]		η _{motor} [%]			Cos φ			Moment of inertia [kgm ²]	Break down torque [Nm]	Cable [mm ²] [power-sensor]
					220 V	240 V	1/2	3/4	1/1	1/2	3/4	1/1			
24.7	22	2850	Y/D	75	427	405	87	89	89	0.75	0.82	0.86	0.21	184	6 × 16 + 1 × 10 + 6 × 1.5

Pump data

Pump type	Impeller type	Maximum solids size [mm]	Maximum number of starts per hour	Maximum installation depth [m]	Enclosure class	Insulation class	Maximum liquid temperature [°C]	pH
DWK.E.10.100.220	Enclosed	10	15	25	68	F	40	4-10

DWK.E.10.150.220.5



TM04 2896 4514

Electrical data

DWK.E.10.150.220.5.1D.(R) - 3 × 380-415 V

P1 [kW]	P2 [kW]	min ⁻¹	Starting method	I _N [A]	I _{start} [A]			η _{motor} [%]			Cos φ			Moment of inertia [kgm ²]	Break down torque [Nm]	Cable [mm ²] [power-sensor]
					380 V	400 V	415 V	1/2	3/4	1/1	1/2	3/4	1/1			
24.7	22	2850	Y/D	43	247	234	226	87	89	89	0.75	0.82	0.86	0.21	184	7 × 6.0 + 6 × 1.0

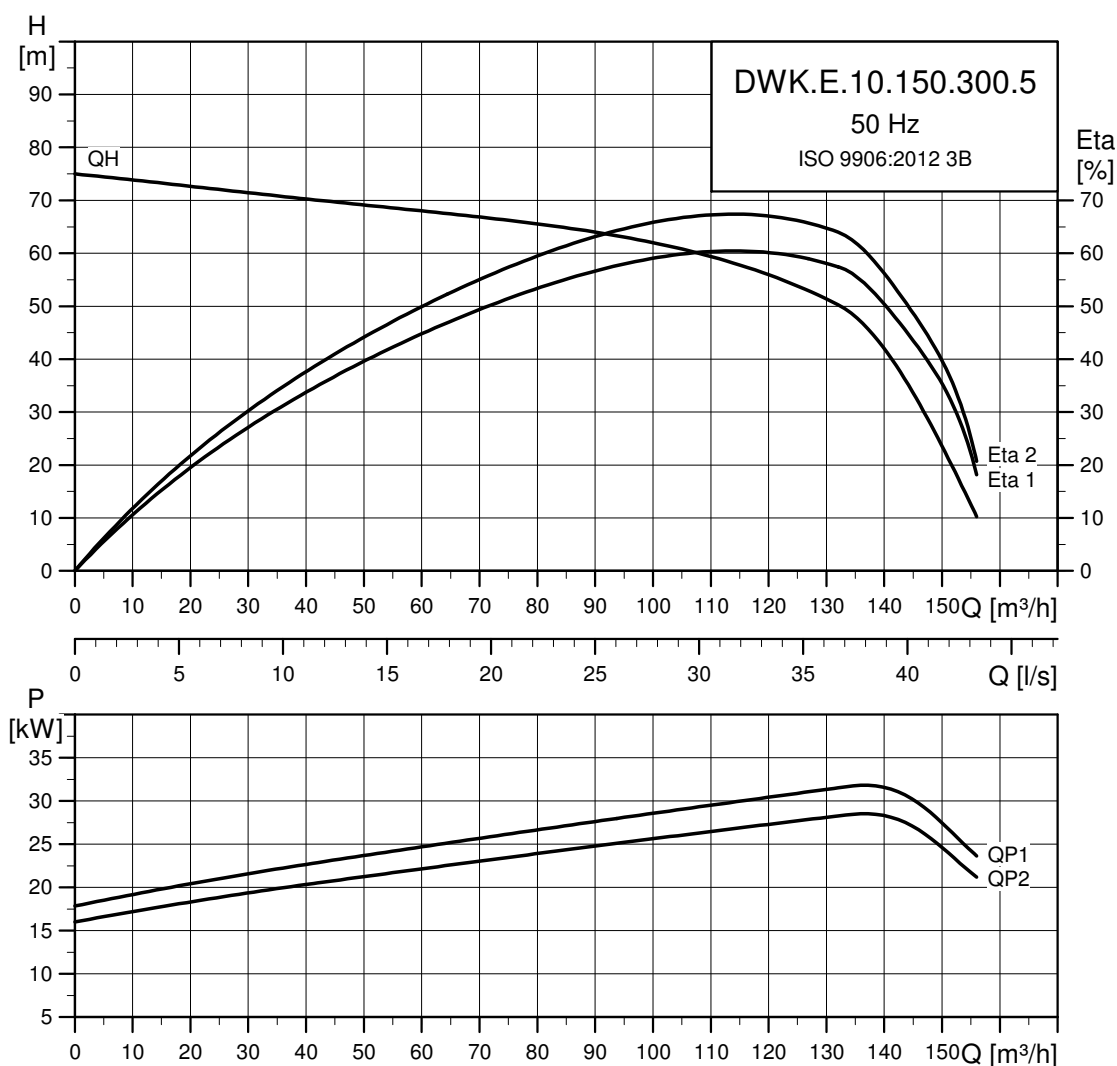
DWK.E.10.150.220.5.1E.(R) - 3 × 220-240 V

P1 [kW]	P2 [kW]	min ⁻¹	Starting method	I _N [A]	I _{start} [A]			η _{motor} [%]			Cos φ			Moment of inertia [kgm ²]	Break down torque [Nm]	Cable [mm ²] [power-sensor]
					220 V	240 V		1/2	3/4	1/1	1/2	3/4	1/1			
24.7	22	2850	Y/D	75	427	405		87	89	89	0.75	0.82	0.86	0.21	184	6 × 16 + 1 × 10 + 6 × 1.5

Pump data

Pump type	Impeller type	Maximum solids size [mm]	Maximum number of starts per hour	Maximum installation depth [m]	Enclosure class	Insulation class	Maximum liquid temperature [°C]	pH
DWK.E.10.150.220	Enclosed	10	15	25	68	F	40	4-10

DWK.E.10.150.300.5



TM04 2897 4514

Electrical data

DWK.E.10.150.300.5.1D.(R) - 3 × 380-415 V

P1 [kW]	P2 [kW]	min ⁻¹	Starting method	I _N [A]	I _{start} [A]			η _{motor} [%]			Cos φ			Moment of inertia [kgm ²]	Break down torque [Nm]	Cable [mm ²] [power-sensor]
					380 V	400 V	415 V	1/2	3/4	1/1	1/2	3/4	1/1			
33.4	30	2850	Y/D	59	339	322	310	87	89	90	0.75	0.82	0.86	0.29	251	6 × 16 + 1 × 10 + 6 × 1.5

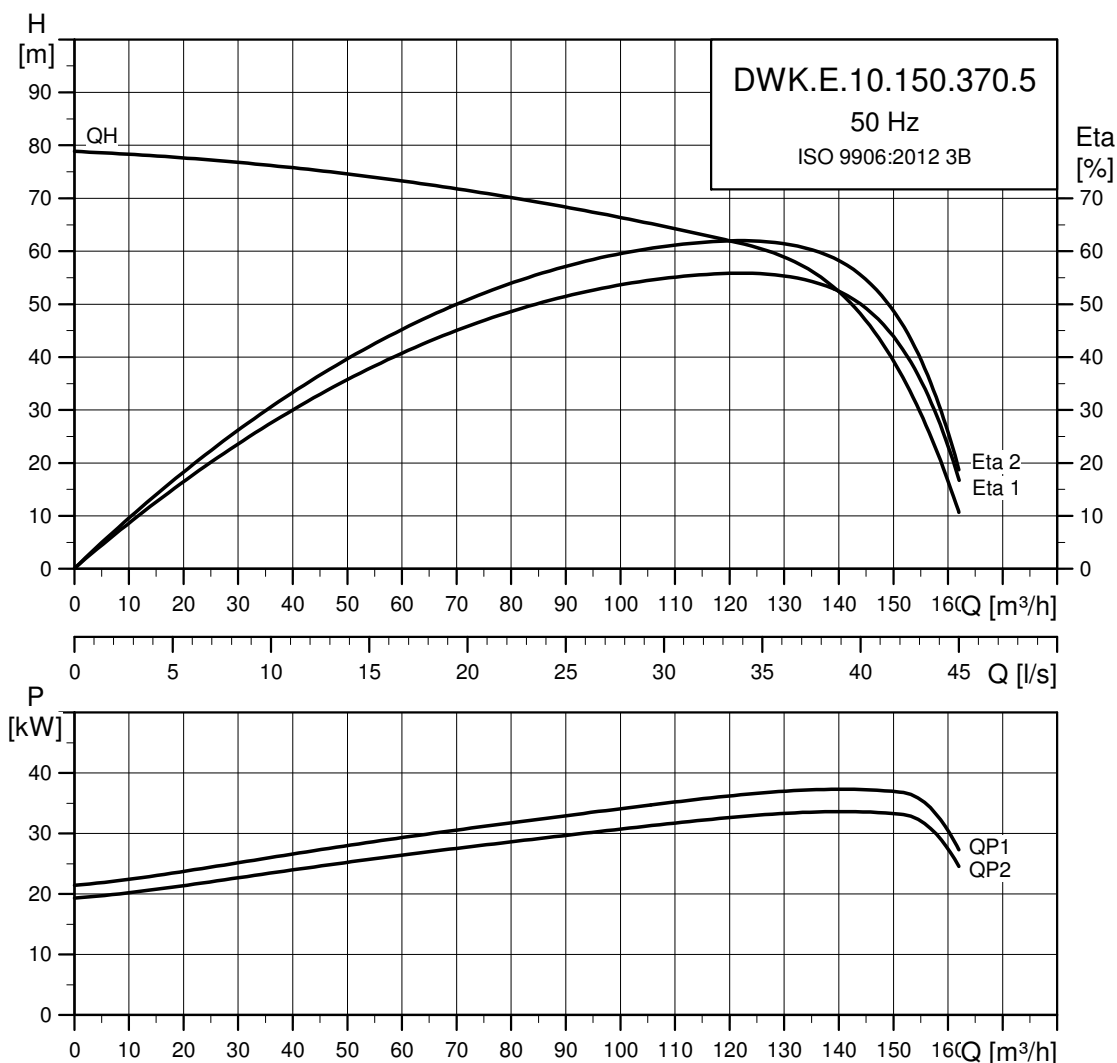
DWK.E.10.150.300.5.1E.(R) - 3 × 220-240 V

P1 [kW]	P2 [kW]	min ⁻¹	Starting method	I _N [A]	I _{start} [A]		η _{motor} [%]			Cos φ			Moment of inertia [kgm ²]	Break down torque [Nm]	Cable [mm ²] [power-sensor]
					220 V	240 V	1/2	3/4	1/1	1/2	3/4	1/1			
33.4	30	2850	Y/D	102	427	405	87	89	90	0.75	0.82	0.86	0.29	251	6 × 25 + 1 × 16 + 6 × 1.5

Pump data

Pump type	Impeller type	Maximum solids size [mm]	Maximum number of starts per hour	Maximum installation depth [m]	Enclosure class	Insulation class	Maximum liquid temperature [°C]	pH
DWK.E.10.150.300	Enclosed	10	15	25	68	F	40	4-10

DWK.E.10.150.370.5



TM04 2898 4514

Electrical data

DWK.E.10.150.370.5.1D.(R) - 3 × 380-415 V

P1 [kW]	P2 [kW]	min ⁻¹	Starting method	I _N [A]	I _{start} [A]			η _{motor} [%]			Cos φ			Moment of inertia [kgm ²]	Break down torque [Nm]	Cable [mm ²] [power-sensor]
					380 V	400 V	415 V	1/2	3/4	1/1	1/2	3/4	1/1			
41.1	37	2850	Y/D	72	396	376	362	88	90	90	0.75	0.82	0.86	1.02	297	6 × 16 + 1 × 10 + 6 × 1.5

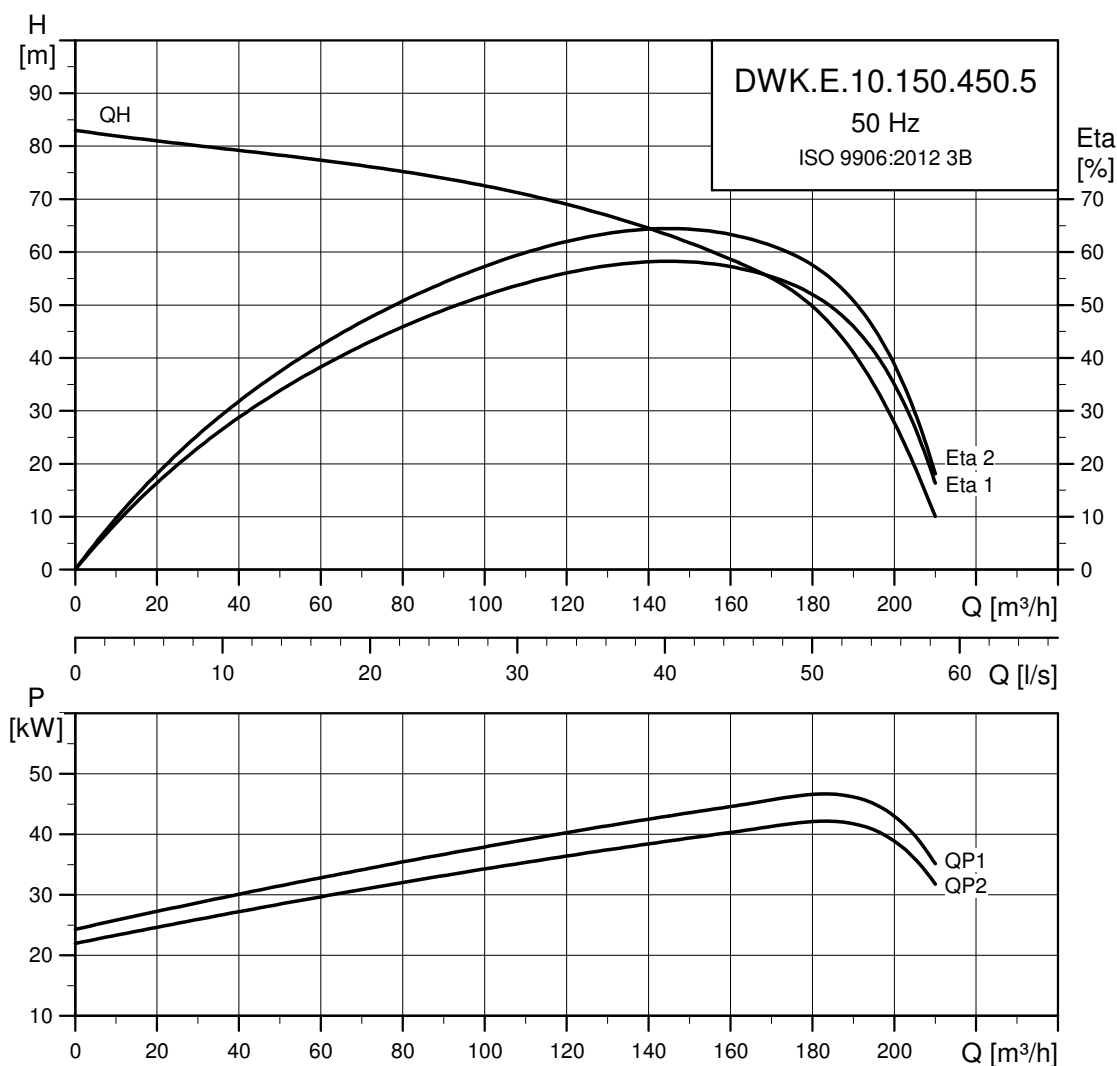
DWK.E.10.150.370.5.1E.(R) - 3 × 220-240 V

P1 [kW]	P2 [kW]	min ⁻¹	Starting method	I _N [A]	I _{start} [A]			η _{motor} [%]			Cos φ			Moment of inertia [kgm ²]	Break down torque [Nm]	Cable [mm ²] [power-sensor]
					220 V	240 V		1/2	3/4	1/1	1/2	3/4	1/1			
41.1	37	2850	Y/D	125	427	405	405	87	89	90	0.75	0.82	0.86	0.29	251	6 × 25 + 1 × 16 + 6 × 1.5

Pump data

Pump type	Impeller type	Maximum solids size [mm]	Maximum number of starts per hour	Maximum installation depth [m]	Enclosure class	Insulation class	Maximum liquid temperature [°C]	pH
DWK.E.10.150.370	Enclosed	10	15	25	68	F	40	4-10

DWK.E.10.150.450.5



TM04 2899 4514

Electrical data

DWK.E.10.150.450.5.1D.(R) - 3 × 380-415 V

P1 [kW]	P2 [kW]	min ⁻¹	Starting method	I _N [A]	I _{start} [A]			η _{motor} [%]			Cos φ			Moment of inertia [kgm ²]	Break down torque [Nm]	Cable [mm ²] [power-sensor]
					380 V	400 V	415 V	1/2	3/4	1/1	1/2	3/4	1/1			
49.8	45	2850	Y/D	87	479	455	438	88	90	90	0.76	0.83	0.87	1.24	362	6 × 16 + 1 × 10 + 6 × 1.5

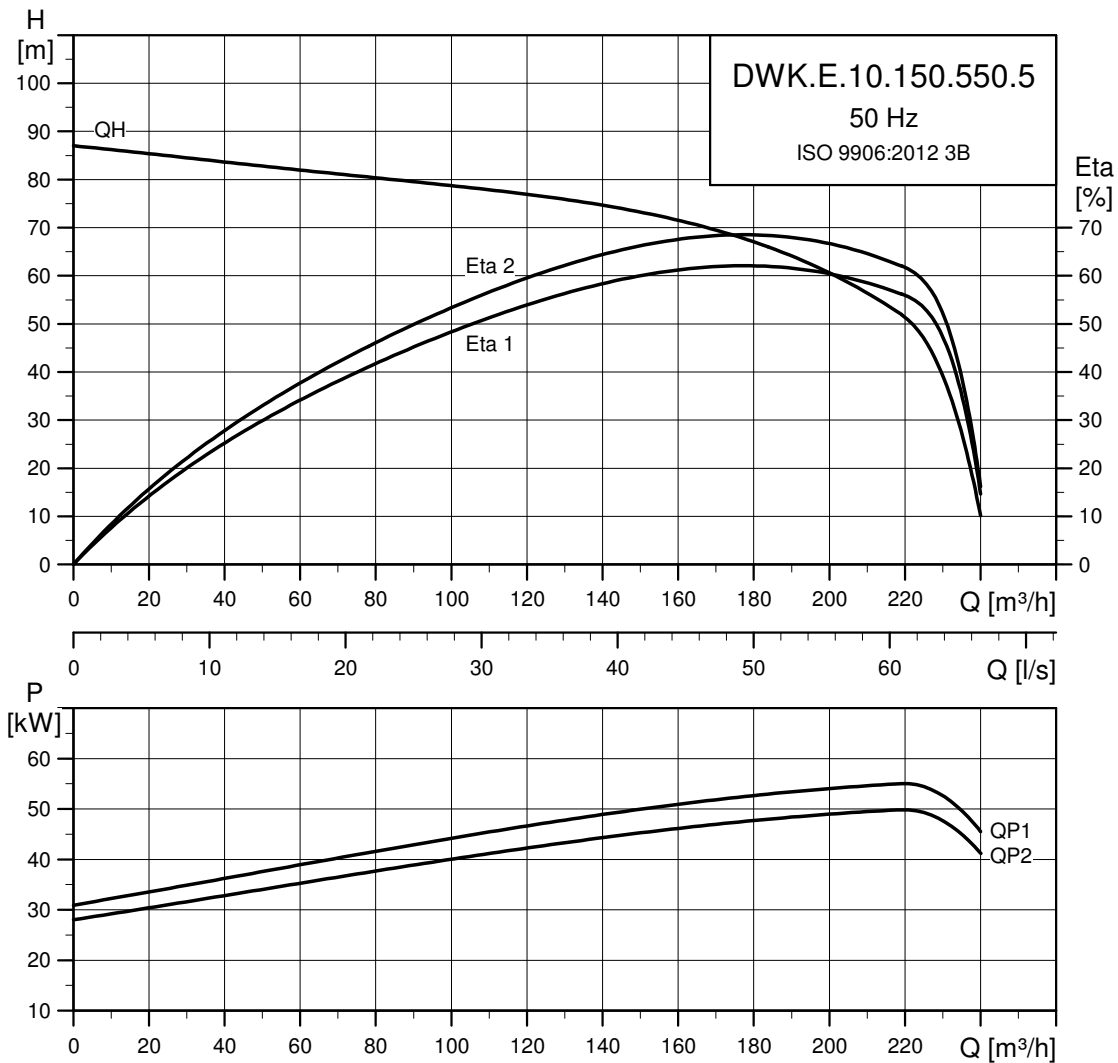
DWK.E.10.150.450.5.1E.(R) - 3 × 220-240 V

P1 [kW]	P2 [kW]	min ⁻¹	Starting method	I _N [A]	I _{start} [A]			η _{motor} [%]			Cos φ			Moment of inertia [kgm ²]	Break down torque [Nm]	Cable [mm ²] [power-sensor]
					220 V	240 V		1/2	3/4	1/1	1/2	3/4	1/1			
49.8	45	2850	Y/D	151	427	405		88	90	90	0.76	0.83	0.87	1.24	362	6 × 35 + 1 × 25 + 6 × 1.5

Pump data

Pump type	Impeller type	Maximum solids size [mm]	Maximum number of starts per hour	Maximum installation depth [m]	Enclosure class	Insulation class	Maximum liquid temperature [°C]	pH
DWK.E.10.150.450	Enclosed	10	15	25	68	F	40	4-10

DWK.E.10.150.550.5



TM04 2900 3517

Electrical data

DWK.E.10.150.550.5.1D.(R) - 3 × 380-415 V

P1 [kW]	P2 [kW]	min ⁻¹	Starting method	I _N [A]	I _{start} [A]			η _{motor} [%]			Cos φ			Moment of inertia [kgm ²]	Break down torque [Nm]	Cable [mm ²] [power-sensor]
					380 V	400 V	415 V	1/2	3/4	1/1	1/2	3/4	1/1			
60.7	55	2850	Y/D	105	583	553	533	88	90	91	0.76	0.83	0.87	1.46	442	6 × 25 + 1 × 16 + 6 × 1.5

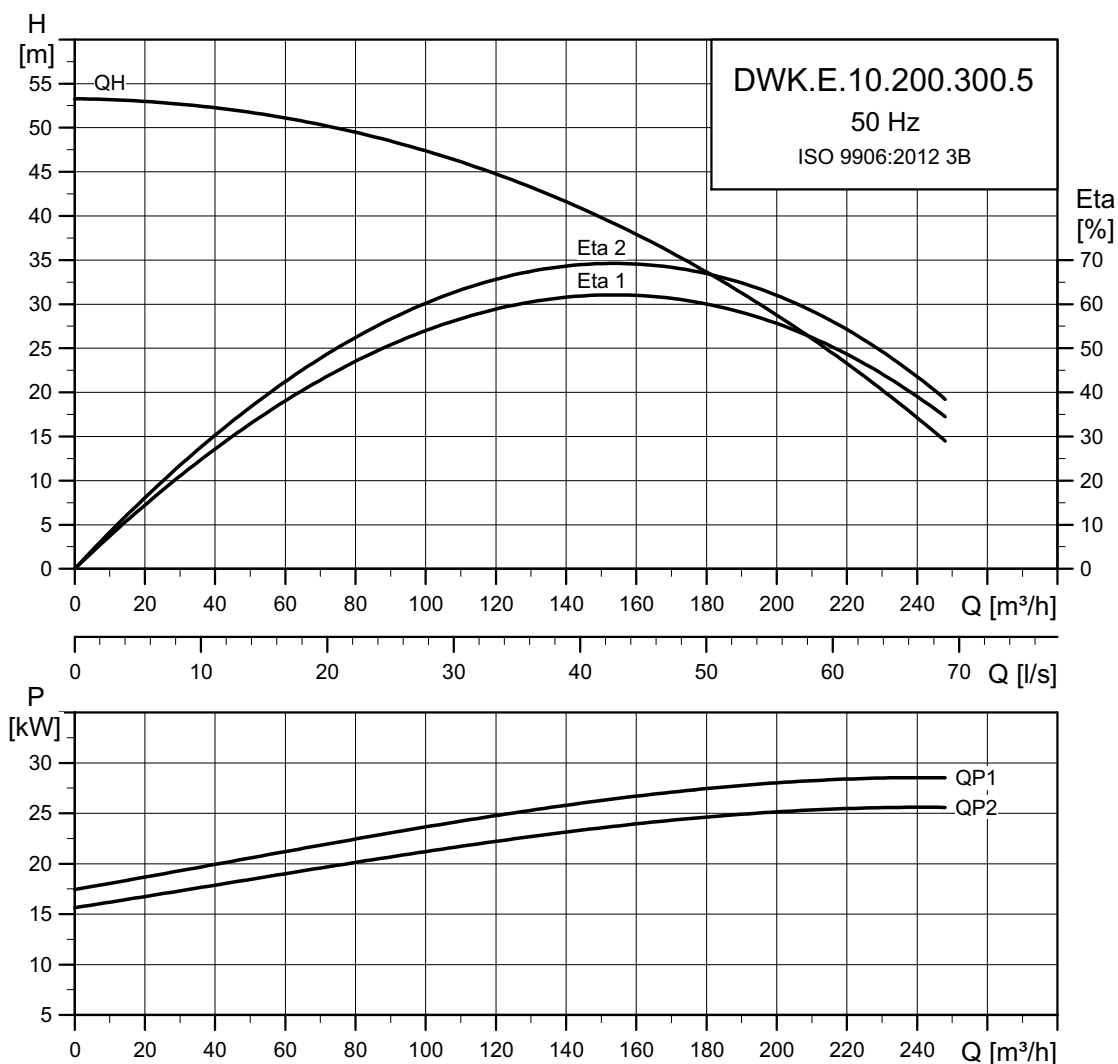
DWK.E.10.150.550.5.1E.(R) - 3 × 220-240 V

P1 [kW]	P2 [kW]	min ⁻¹	Starting method	I _N [A]	I _{start} [A]			η _{motor} [%]			Cos φ			Moment of inertia [kgm ²]	Break down torque [Nm]	Cable [mm ²] [power-sensor]
					220 V	240 V		1/2	3/4	1/1	1/2	3/4	1/1			
60.7	55	2850	Y/D	184	427	405		88	90	91	0.76	0.83	0.87	1.46	442	6 × 35 + 1 × 25 + 6 × 1.5

Pump data

Pump type	Impeller type	Maximum solids size [mm]	Maximum number of starts per hour	Maximum installation depth [m]	Enclosure class	Insulation class	Maximum liquid temperature [°C]	pH
DWK.E.10.150.550	Enclosed	10	15	25	68	F	40	4-10

DWK.E.10.200.300.5



TM04 2901 4514

Electrical data

DWK.E.10.200.300.5.1D.(R) - 3 × 380-415 V

P1 [kW]	P2 [kW]	min ⁻¹	Starting method	I _N [A]	I _{start} [A]			η _{motor} [%]			Cos φ			Moment of inertia [kgm ²]	Break down torque [Nm]	Cable [mm ²] [power-sensor]
					380 V	400 V	415 V	1/2	3/4	1/1	1/2	3/4	1/1			
33.4	30	2850	Y/D	59	339	322	310	87	89	90	0.75	0.82	0.86	0.29	251	6 × 16 + 1 × 10 + 6 × 1.5

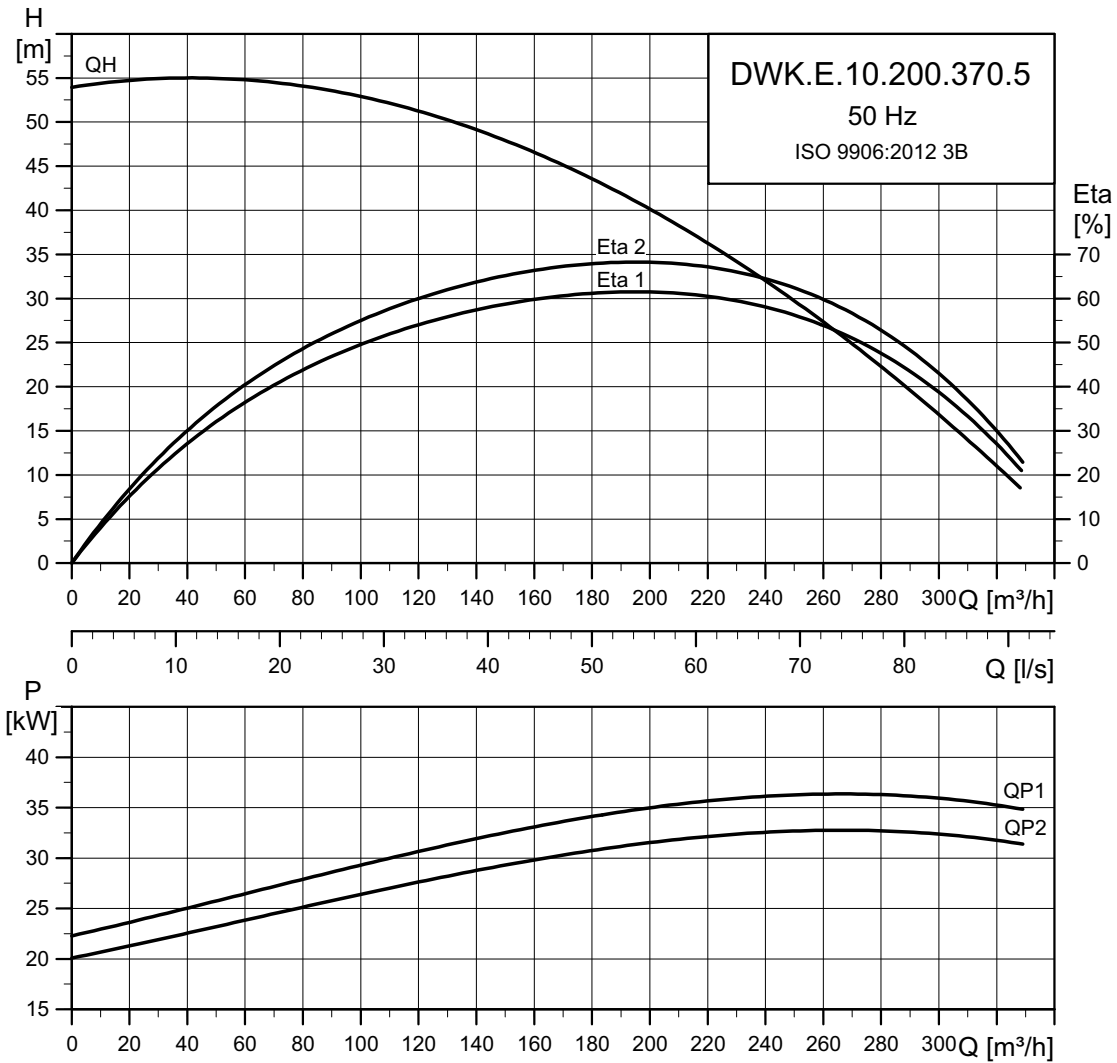
DWK.E.10.200.300.5.1E.(R) - 3 × 220-240 V

P1 [kW]	P2 [kW]	min ⁻¹	Starting method	I _N [A]	I _{start} [A]			η _{motor} [%]			Cos φ			Moment of inertia [kgm ²]	Break down torque [Nm]	Cable [mm ²] [power-sensor]
					220 V	240 V		1/2	3/4	1/1	1/2	3/4	1/1			
33.4	30	2850	Y/D	102	427	405		87	89	90	0.75	0.82	0.86	0.29	251	6 × 25 + 1 × 16 + 6 × 1.5

Pump data

Pump type	Impeller type	Maximum solids size [mm]	Maximum number of starts per hour	Maximum installation depth [m]	Enclosure class	Insulation class	Maximum liquid temperature [°C]	pH
DWK.E.10.200.300	Enclosed	10	15	25	68	F	40	4-10

DWK.E.10.200.370.5



TM04 2902 4514

Electrical data

DWK.E.10.200.370.5.1D.(R) - 3 × 380-415 V

P1 [kW]	P2 [kW]	min ⁻¹	Starting method	I _N [A]	I _{start} [A]			η _{motor} [%]			Cos φ			Moment of inertia [kgm ²]	Break down torque [Nm]	Cable [mm ²] [power-sensor]
					380 V	400 V	415 V	1/2	3/4	1/1	1/2	3/4	1/1			
41.1	37	2850	Y/D	72	396	376	362	88	90	90	0.75	0.82	0.86	1.02	297	6 × 16 + 1 × 10 + 6 × 1.5

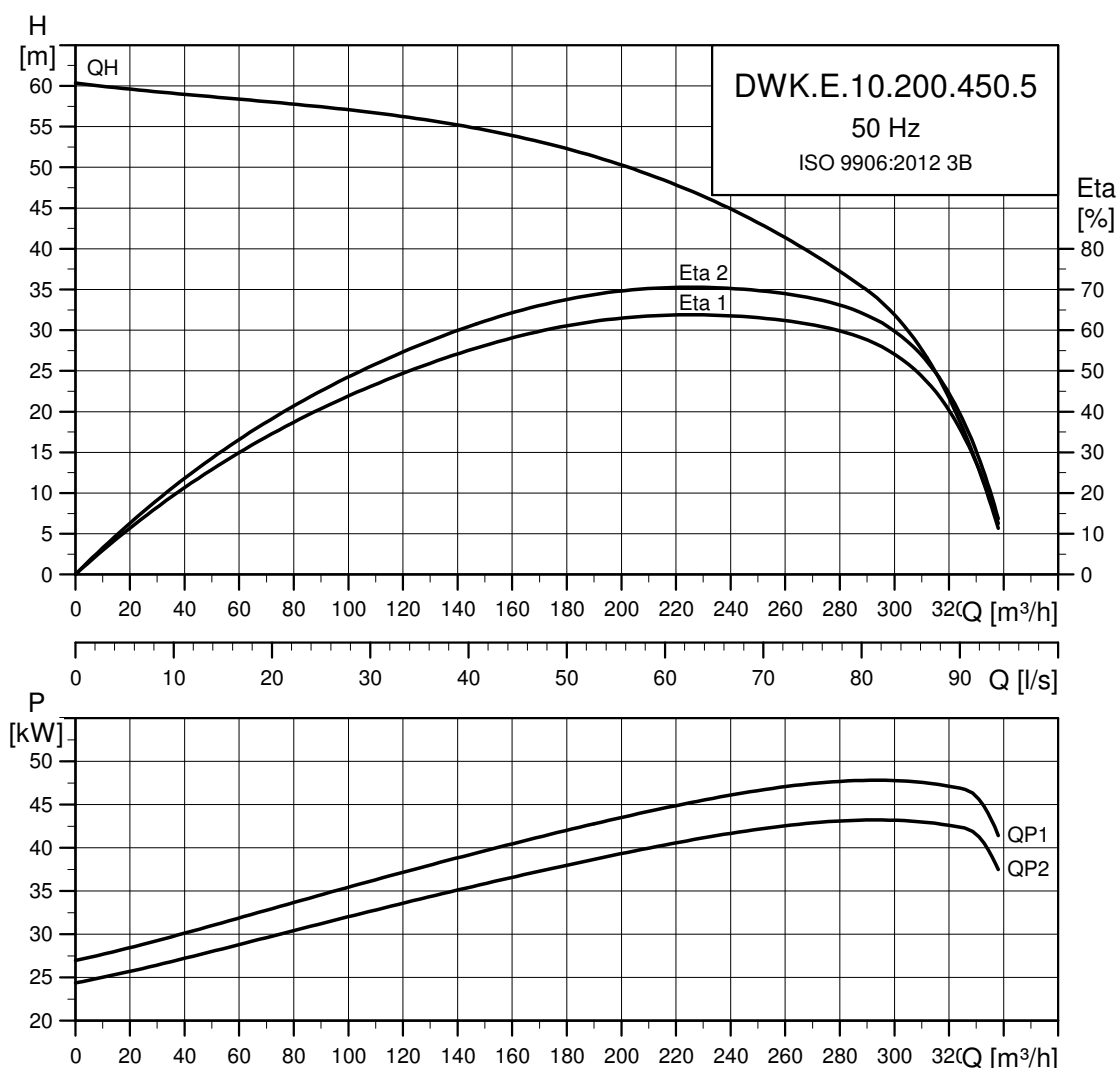
DWK.E.10.200.370.5.1E.(R) - 3 × 220-240 V

P1 [kW]	P2 [kW]	min ⁻¹	Starting method	I _N [A]	I _{start} [A]			η _{motor} [%]			Cos φ			Moment of inertia [kgm ²]	Break down torque [Nm]	Cable [mm ²] [power-sensor]
					220 V	240 V		1/2	3/4	1/1	1/2	3/4	1/1			
41.1	37	2850	Y/D	125	427	405		87	89	90	0.75	0.82	0.86	0.29	251	6 × 25 + 1 × 16 + 6 × 1.5

Pump data

Pump type	Impeller type	Maximum solids size [mm]	Maximum number of starts per hour	Maximum installation depth [m]	Enclosure class	Insulation class	Maximum liquid temperature [°C]	pH
DWK.E.10.200.370	Enclosed	10	15	25	68	F	40	4-10

DWK.E.10.200.450.5



TM04 2903 3517

Electrical data

DWK.E.10.200.450.5.1D.(R) - 3 × 380-415 V

P1 [kW]	P2 [kW]	min ⁻¹	Starting method	I _N [A]	I _{start} [A]			η _{motor} [%]			Cos φ			Moment of inertia [kgm ²]	Break down torque [Nm]	Cable [mm ²] [power-sensor]
					380 V	400 V	415 V	1/2	3/4	1/1	1/2	3/4	1/1			
49.8	45	2850	Y/D	87	479	455	438	88	90	90	0.76	0.83	0.87	1.24	362	6 × 16 + 1 × 10 + 6 × 1.5

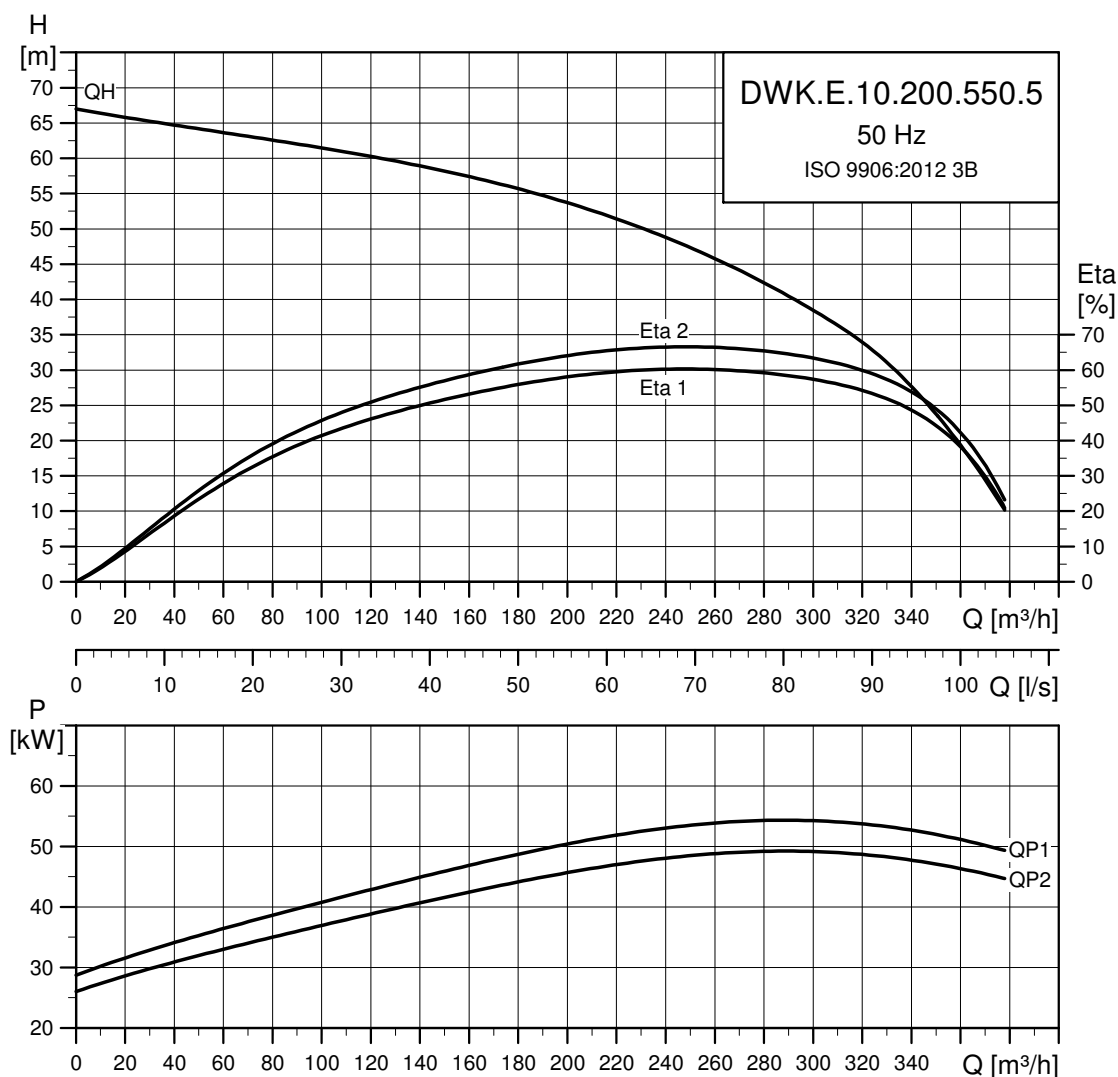
DWK.E.10.200.450.5.1E.(R) - 3 × 220-240 V

P1 [kW]	P2 [kW]	min ⁻¹	Starting method	I _N [A]	I _{start} [A]		η _{motor} [%]			Cos φ			Moment of inertia [kgm ²]	Break down torque [Nm]	Cable [mm ²] [power-sensor]
					220 V	240 V	1/2	3/4	1/1	1/2	3/4	1/1			
49.8	45	2850	Y/D	151	427	405	88	90	90	0.76	0.83	0.87	1.24	362	6 × 35 + 1 × 25 + 6 × 1.5

Pump data

Pump type	Impeller type	Maximum solids size [mm]	Maximum number of starts per hour	Maximum installation depth [m]	Enclosure class	Insulation class	Maximum liquid temperature [°C]	pH
DWK.E.10.200.450	Enclosed	10	15	25	68	F	40	4-10

DWK.E.10.200.550.5



TM04 2904 4514

Electrical data

DWK.E.10.200.550.5.1D.(R) - 3 × 380-415 V

P1 [kW]	P2 [kW]	min ⁻¹	Starting method	I _N [A]	I _{start} [A]			η _{motor} [%]			Cos φ			Moment of inertia [kgm ²]	Break down torque [Nm]	Cable [mm ²] [power-sensor]
					380 V	400 V	415 V	1/2	3/4	1/1	1/2	3/4	1/1			
60.7	55	2850	Y/D	105	583	553	533	88	90	91	0.76	0.83	0.87	1.46	442	6 × 25 + 1 × 16 + 6 × 1.5

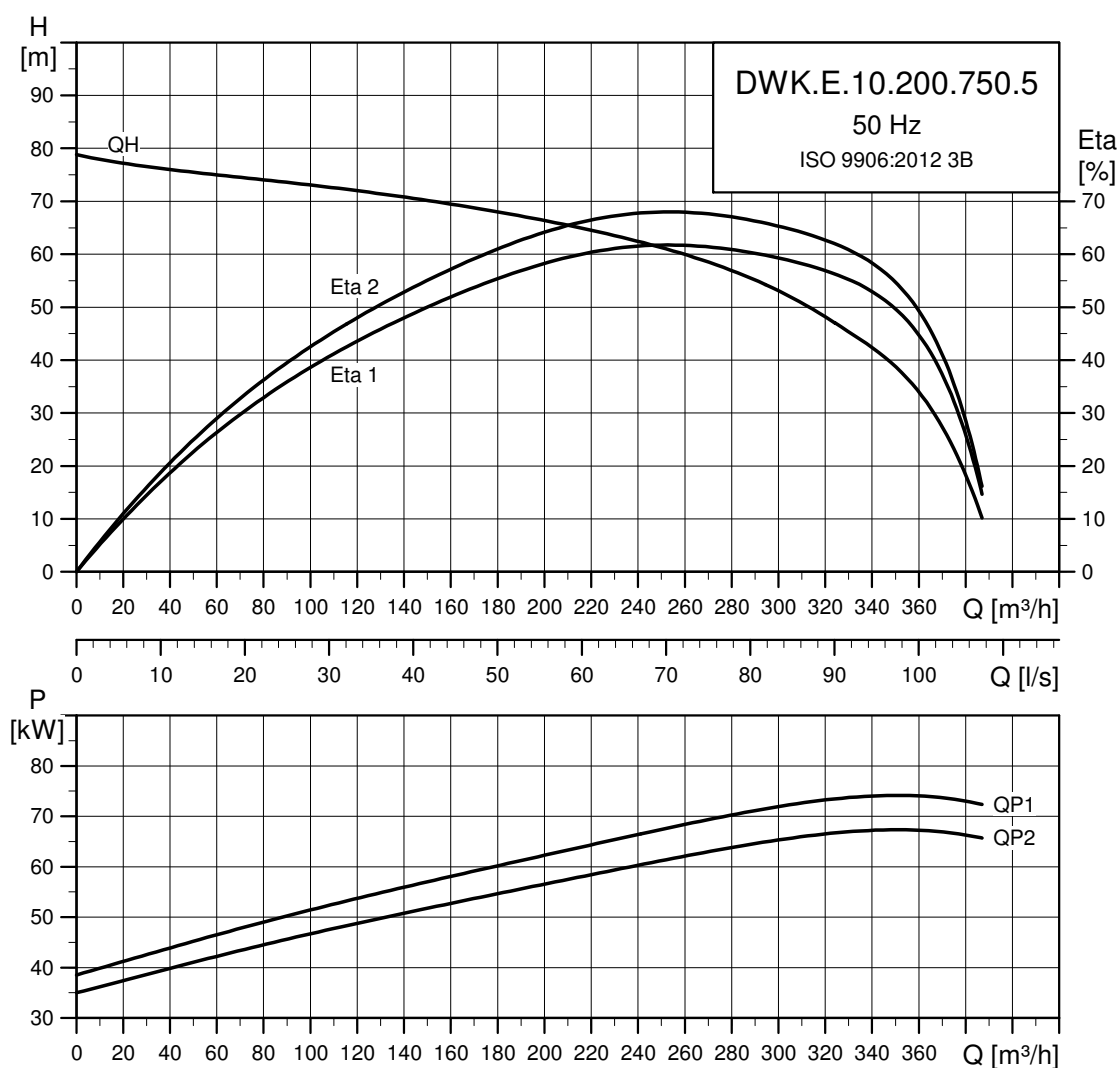
DWK.E.10.200.550.5.1E.(R) - 3 × 220-240 V

P1 [kW]	P2 [kW]	min ⁻¹	Starting method	I _N [A]	I _{start} [A]			η _{motor} [%]			Cos φ			Moment of inertia [kgm ²]	Break down torque [Nm]	Cable [mm ²] [power-sensor]
					220 V	240 V	405	88	90	91	0.76	0.83	0.87			
60.7	55	2850	Y/D	184	427	405	405	88	90	91	0.76	0.83	0.87	1.46	442	6 × 35 + 1 × 25 + 6 × 1.5

Pump data

Pump type	Impeller type	Maximum solids size [mm]	Maximum number of starts per hour	Maximum installation depth [m]	Enclosure class	Insulation class	Maximum liquid temperature [°C]	pH
DWK.E.10.200.550	Enclosed	10	15	25	68	F	40	4-10

DWK.E.10.200.750.5



TM05 2905 4514

Electrical data

DWK.E.10.200.750.5.1D.(R) - 3 × 380-415 V

P1 [kW]	P2 [kW]	min ⁻¹	Starting method	I _N [A]	I _{start} [A]			η _{motor} [%]			Cos φ			Moment of inertia [kgm ²]	Break down torque [Nm]	Cable [mm ²] [power-sensor]
					380 V	400 V	415 V	1/2	3/4	1/1	1/2	3/4	1/1			
82.6	75	2850	Y/D	144	792	752	724	88	90	91	0.76	0.84	0.87	1.72	603	6 × 35 + 1 × 25 + 6 × 1.5

DWK.E.10.200.750.5.1E.(R) - 3 × 220-240 V

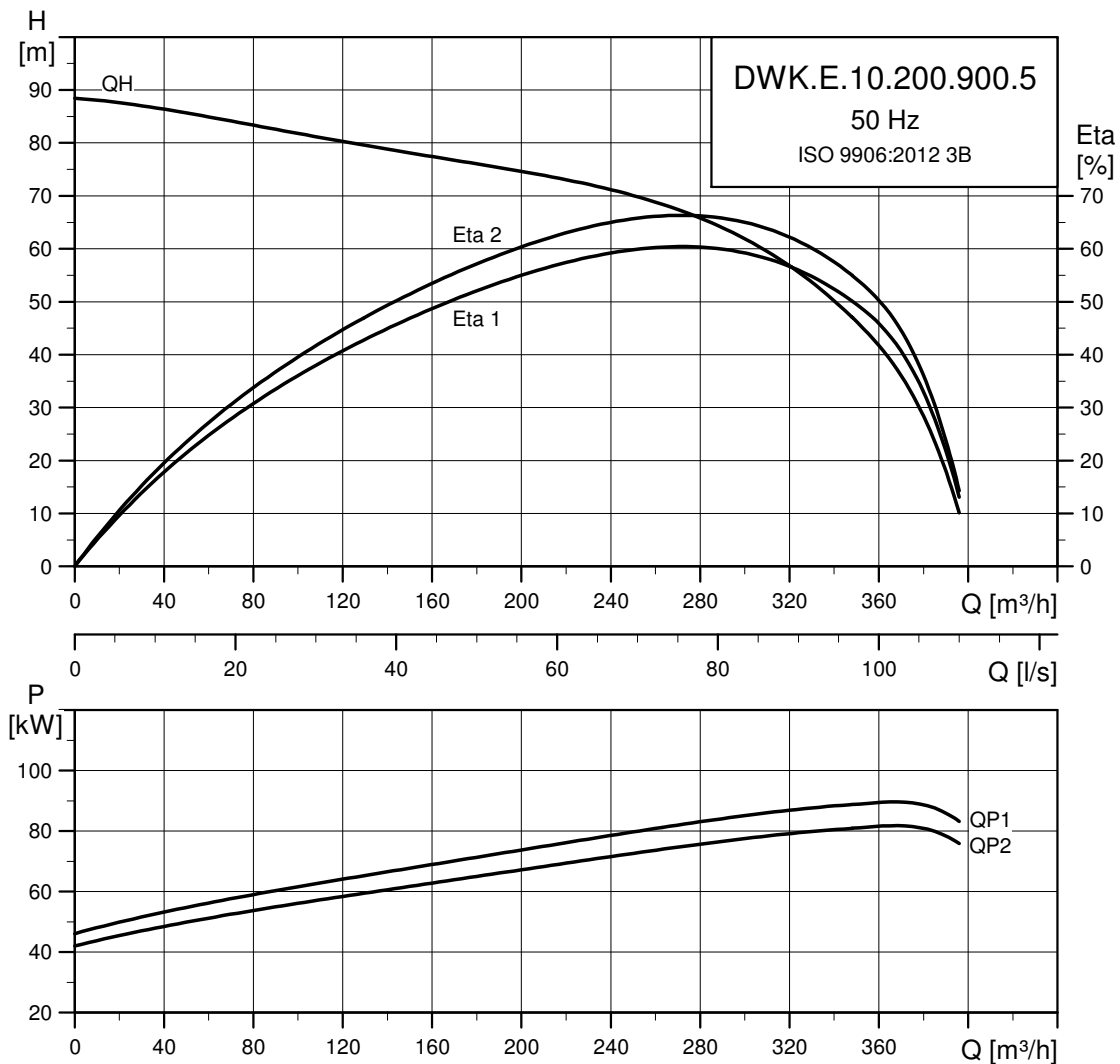
P1 [kW]	P2 [kW]	min ⁻¹	Starting method	I _N [A]	I _{start} [A]			η _{motor} [%]			Cos φ			Moment of inertia [kgm ²]	Break down torque [Nm]	Cable [mm ²] [power-sensor]
					220 V	240 V		1/2	3/4	1/1	1/2	3/4	1/1			
82.6	75	2850	Y/D	249	427	405		88	90	91	0.76	0.84	0.87	1.72	603	3 × 50 + 1 × 35 + 4 × 1.5*

* 2EA = two power cables.

Pump data

Pump type	Impeller type	Maximum solids size [mm]	Maximum number of starts per hour	Maximum installation depth [m]	Enclosure class	Insulation class	Maximum liquid temperature [°C]	pH
DWK.E.10.200.750	Enclosed	10	15	25	68	F	40	4-10

DWK.E.10.200.900.5



TM04 2906 4514

Electrical data

DWK.E.10.200.900.5.1D.(R) - 3 × 380-415 V

P1 [kW]	P2 [kW]	min ⁻¹	Starting method	I _N [A]	I _{start} [A]			η _{motor} [%]			Cos φ			Moment of inertia [kgm ²]	Break down torque [Nm]	Cable [mm ²] [power-sensor]
					380 V	400 V	415 V	1/2	3/4	1/1	1/2	3/4	1/1			
98.9	90	2850	Y/D	172	946	989	865	88.5	91	91	0.76	0.84	0.87	1.72	603	3 × 50 + 1.0 × 35 + 4x1.5*

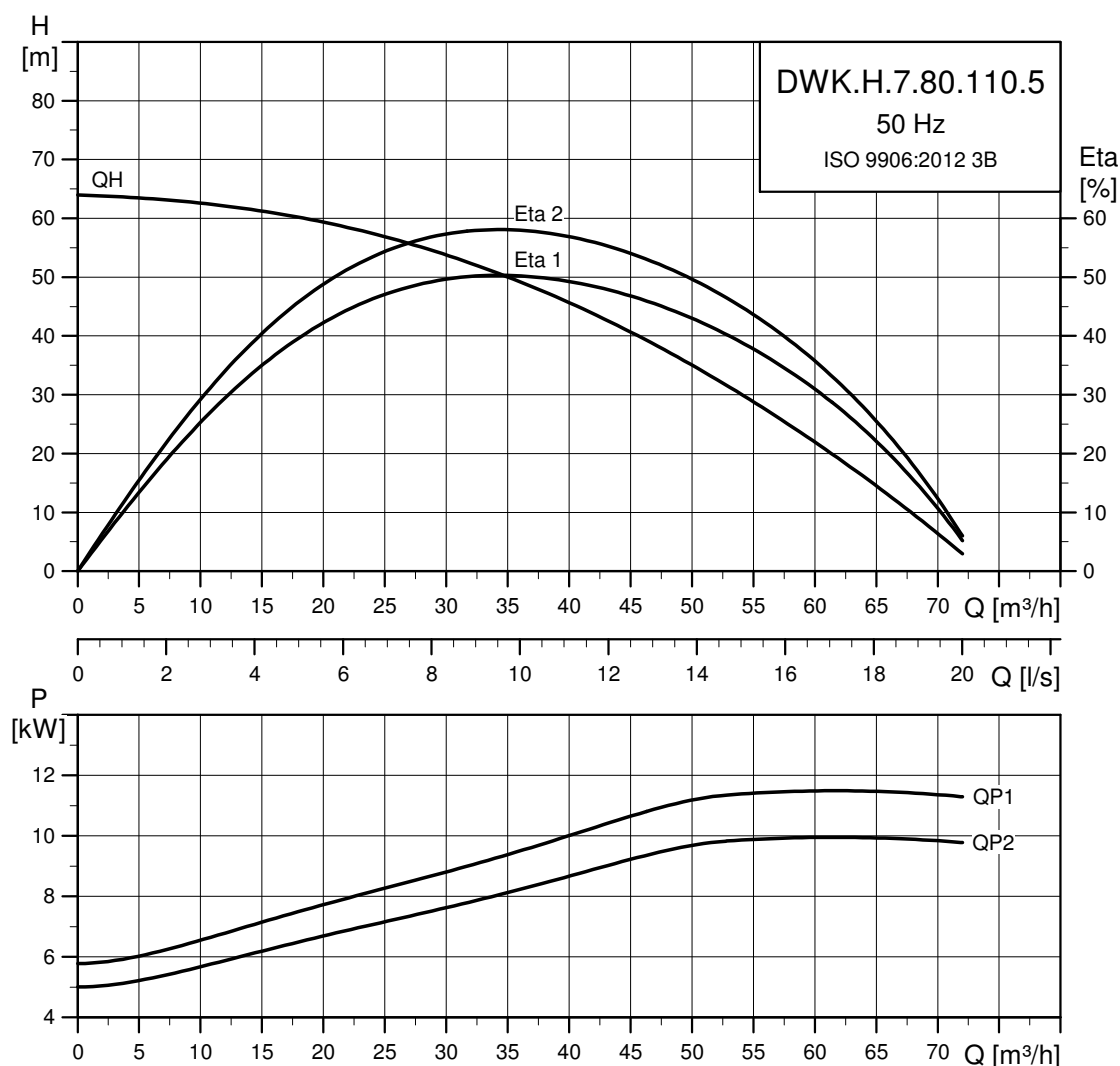
* 2EA = two power cables.

Pump data

Pump type	Impeller type	Maximum solids size [mm]	Maximum number of starts per hour	Maximum installation depth [m]	Enclosure class	Insulation class	Maximum liquid temperature [°C]	pH
DWK.E.10.200.900	Enclosed	10	15	25	68	F	40	4-10

DWK.H

DWK.H.7.80.110.5



TM06 9885 3517

Electrical data

DWK.H.7.80.110.5.1D - 3 × 380-415 V

P1 [kW]	P2 [kW]	min ⁻¹	Starting method	I _N [A]	I _{start} [A]			η _{motor} [%]			Cos φ			Moment of inertia [kgm ²]	Break down torque [Nm]	Cable [mm ²] [power-ground-sensor]
					380 V	400 V	415 V	1/2	3/4	1/1	1/2	3/4	1/1			
12.7	11	2850	DOL	23	138	131	126	84	86	87	0.73	0.80	0.83	0.06	92	3 × 10 + 1 × 6 + 4 × 1

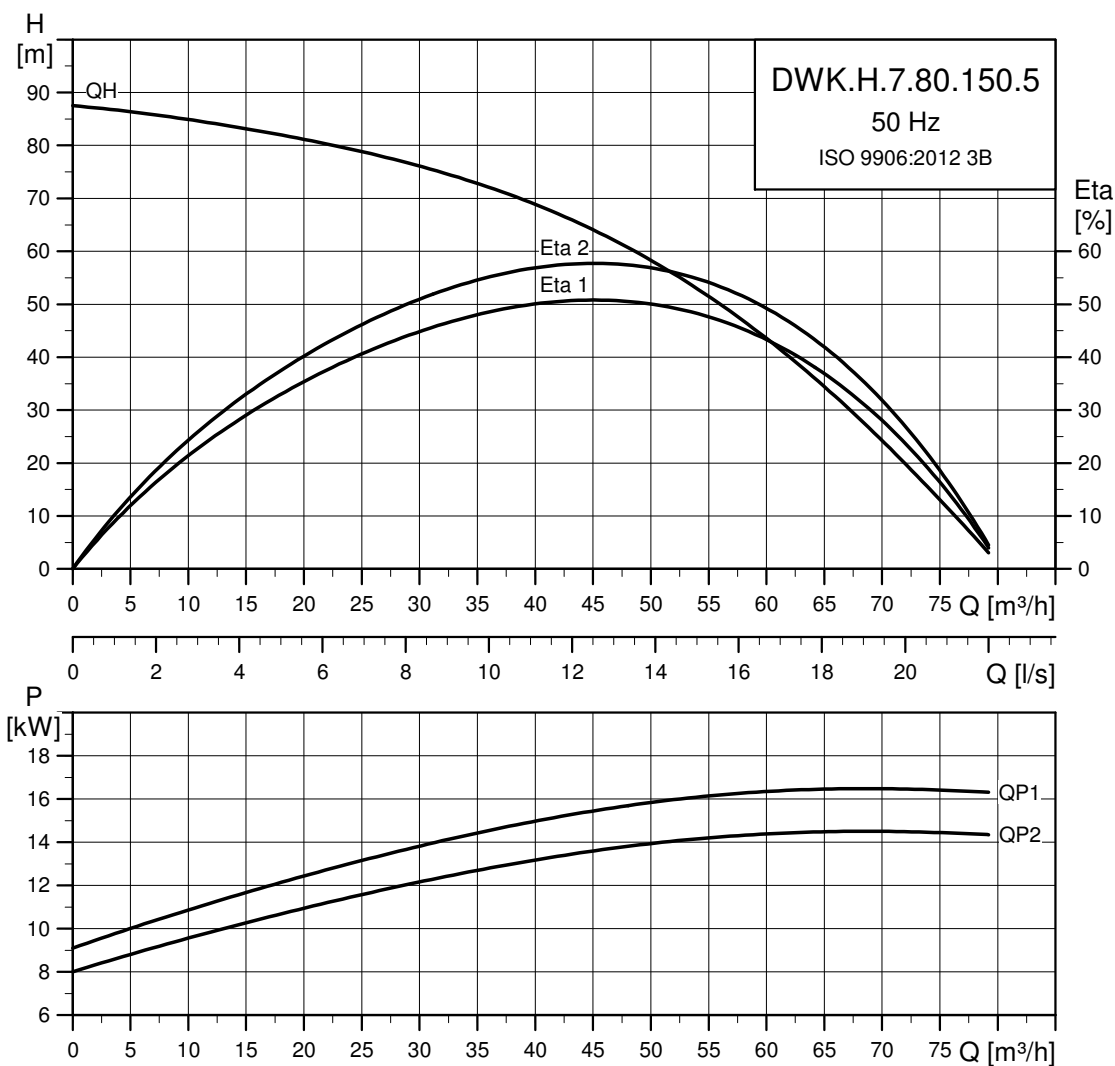
DWK.H.7.80.110.5.1E - 3 × 220-240 V

P1 [kW]	P2 [kW]	min ⁻¹	Starting method	I _N [A]	I _{start} [A]			η _{motor} [%]			Cos φ			Moment of inertia [kgm ²]	Break down torque [Nm]	Cable [mm ²] [power-ground-sensor]
					220 V	240 V		1/2	3/4	1/1	1/2	3/4	1/1			
12.7	11	2850	DOL	40	238	219		84	86	87	0.73	0.80	0.83	0.06	92	3 × 16 + 1 × 10 + 4 × 1.5

Pump data

Pump type	Impeller type	Maximum solids size [mm]	Maximum number of starts per hour	Maximum installation depth [m]	Enclosure class	Insulation class	Maximum liquid temperature [°C]	pH
DWK.H.7.80.110.5	Enclosed	7	15	25	68	F	40	4-10

DWK.H.7.80.150.5



TM06 8886 3517

Electrical data

DWK.H.7.80.150.5.1D - 3 × 380-415 V

P1 [kW]	P2 [kW]	min ⁻¹	Starting method	I _N [A]	I _{start} [A]			η _{motor} [%]			Cos φ			Moment of inertia [kgm ²]	Break down torque [Nm]	Cable [mm ²] [power-ground-sensor]
					380 V	400 V	415 V	1/2	3/4	1/1	1/2	3/4	1/1			
17.0	15	2850	DOL	31	186	176	170	86	87	88	0.73	0.80	0.83	0.07	125	3 × 10 + 1 × 6 + 4 × 1

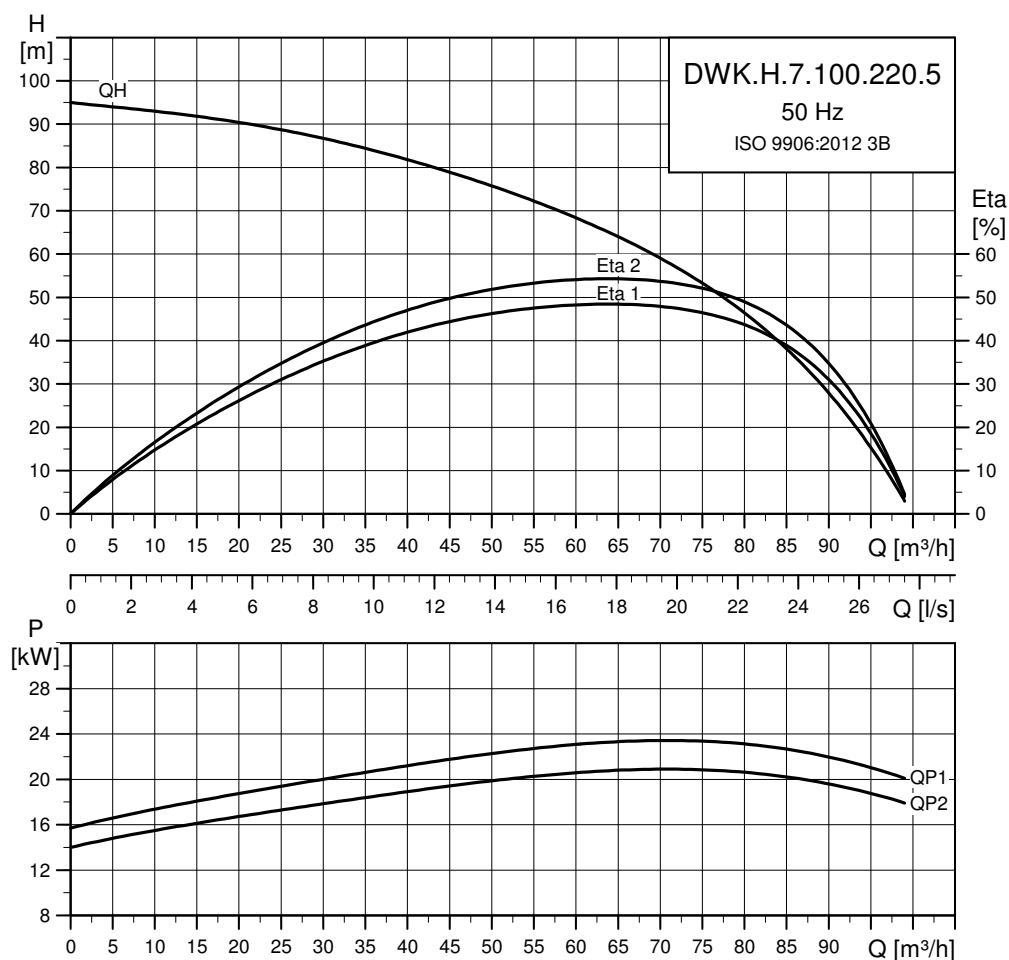
DWK.H.7.80.150.5.1E - 3 × 220-240 V

P1 [kW]	P2 [kW]	min ⁻¹	Starting method	I _N [A]	I _{start} [A]			η _{motor} [%]			Cos φ			Moment of inertia [kgm ²]	Break down torque [Nm]	Cable [mm ²] [power-ground-sensor]
					220 V	240 V		1/2	3/4	1/1	1/2	3/4	1/1			
17.0	15	2850	DOL	53	321	295		86	87	88	0.73	0.80	0.83	0.07	125	3 × 16 + 1 × 10 + 4 × 1.5

Pump data

Pump type	Impeller type	Maximum solids size [mm]	Maximum number of starts per hour	Maximum installation depth [m]	Enclosure class	Insulation class	Maximum liquid temperature [°C]	pH
DWK.H.7.80.150.5	Enclosed	7	15	25	68	F	40	4-10

DWK.H.7.100.220.5



TM06 9885 3517

Electrical data

DWK.H.7.100.220.5.1D - 3 × 380-415 V

P1 [kW]	P2 [kW]	min ⁻¹	Starting method	I _N [A]	I _{start} [A]			η _{motor} [%]			Cos φ			Moment of inertia [kgm ²]	Break down torque [Nm]	Cable [mm ²] [power-ground-sensor]
					380 V	400 V	415 V	1/2	3/4	1/1	1/2	3/4	1/1			
24.7	22	2850	Y/D	43	247	234	226	87	89	89	0.75	0.82	0.86	0.12	184	6 × 10 + 1 × 6 + 6 × 1.5

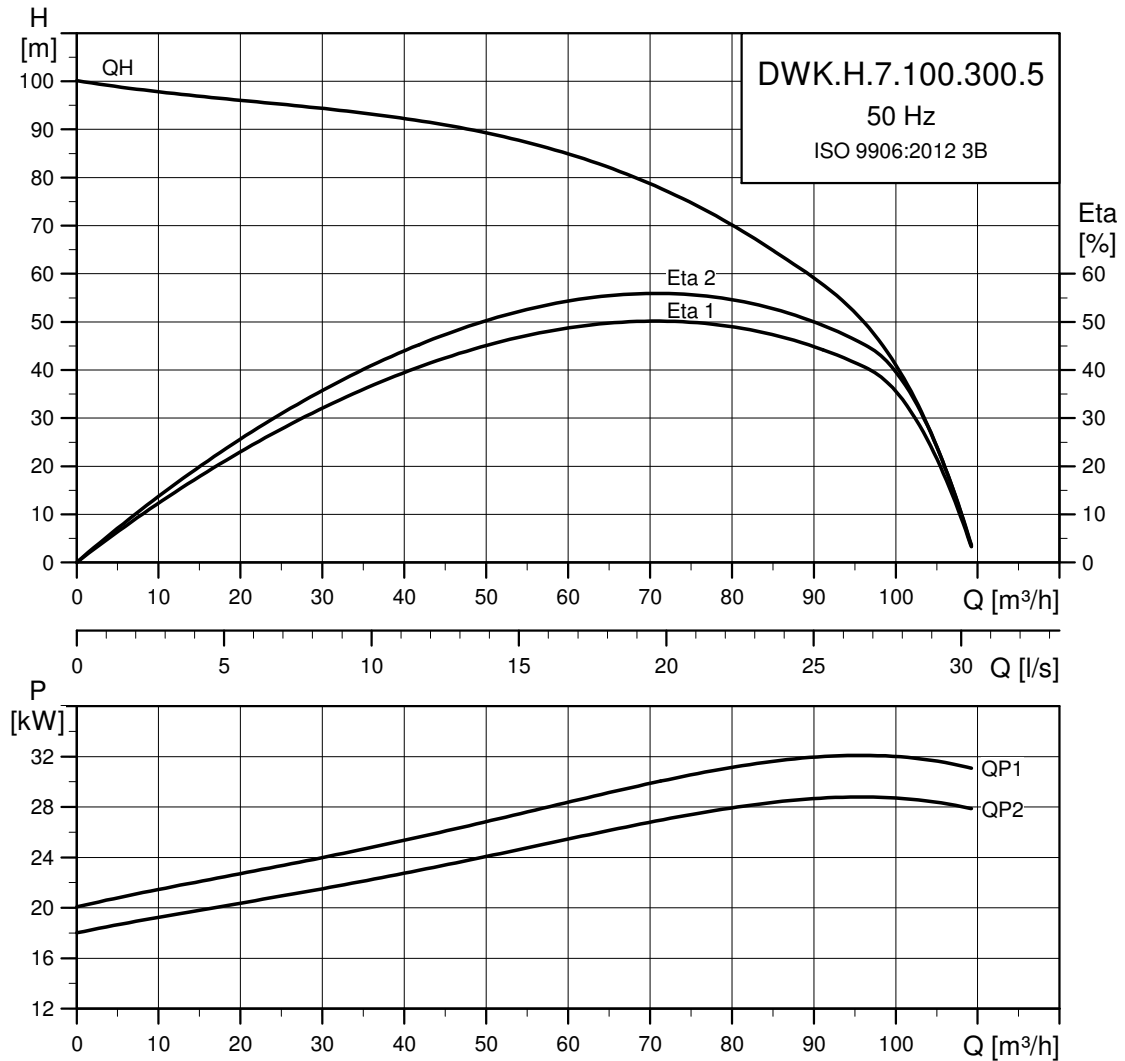
DWK.H.7.100.220.5.1E - 3 × 220-240 V

P1 [kW]	P2 [kW]	min ⁻¹	Starting method	I _N [A]	I _{start} [A]		η _{motor} [%]			Cos φ			Moment of inertia [kgm ²]	Break down torque [Nm]	Cable [mm ²] [power-ground-sensor]
					220 V	240 V	1/2	3/4	1/1	1/2	3/4	1/1			
24.7	22	2850	Y/D	75	427	405	87	89	89	0.75	0.82	0.86	0.12	184	6 × 16 + 1 × 10 + 6 × 1.5

Pump data

Pump type	Impeller type	Maximum solids size [mm]	Maximum number of starts per hour	Maximum installation depth [m]	Enclosure class	Insulation class	Maximum liquid temperature [°C]	pH
DWK.H.7.100.220.5	Enclosed	7	15	25	68	F	40	4-10

DWK.H.7.100.300.5



TM06 9886 3517

Electrical data

DWK.H.7.100.300.5.1D - 3 × 380-415 V

P1 [kW]	P2 [kW]	min ⁻¹	Starting method	I _N [A]	I _{start} [A]			η _{motor} [%]			Cos φ			Moment of inertia [kgm ²]	Break down torque [Nm]	Cable [mm ²] [power-ground-sensor]
					380 V	400 V	415 V	1/2	3/4	1/1	1/2	3/4	1/1			
33.4	30	2850	Y/D	59	339	322	310	87	89	89	0.75	0.82	0.86	0.29	251	6 × 16 + 1 × 10 + 6 × 1.5

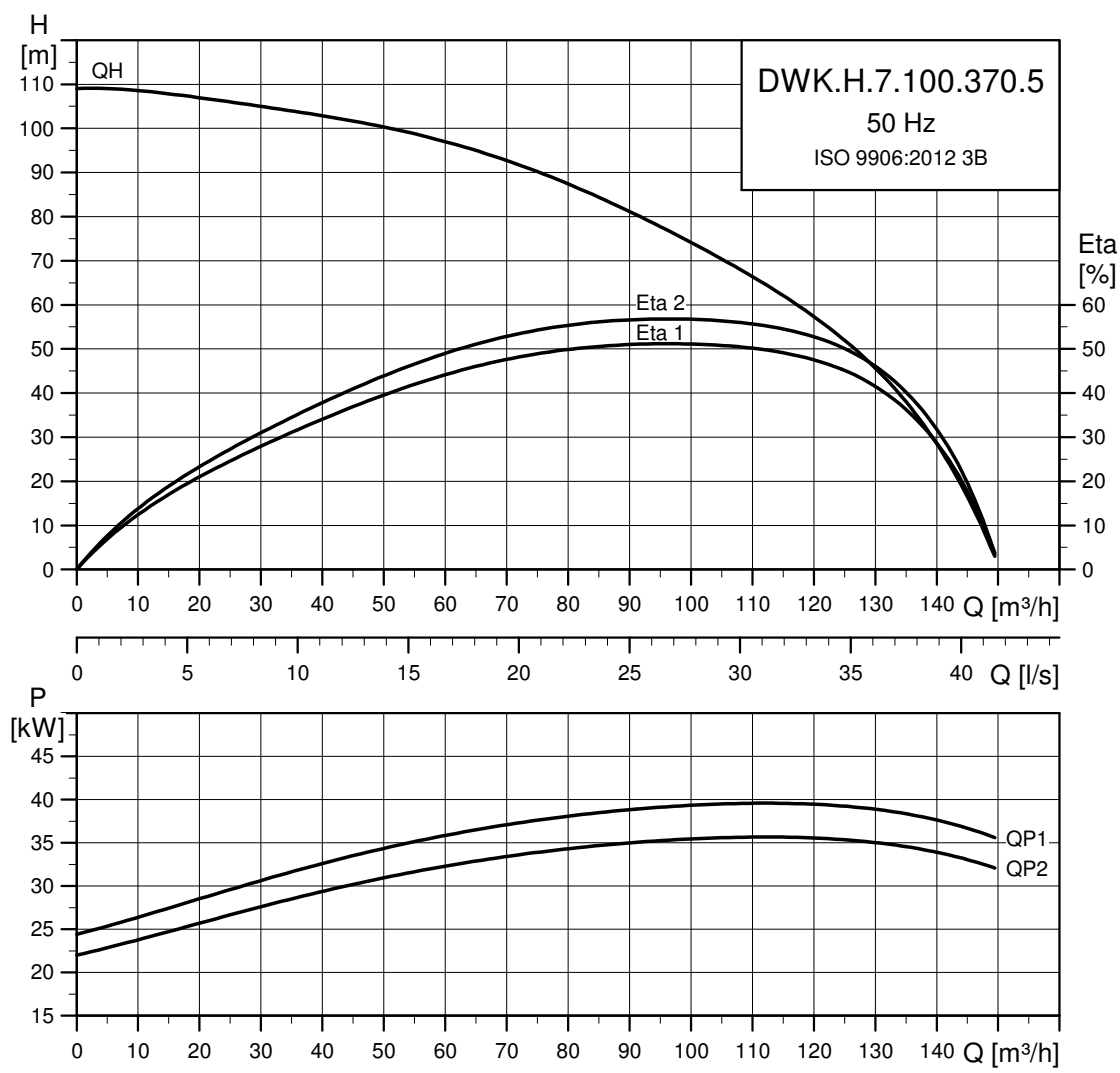
DWK.H.7.100.300.5.1E - 3 × 220-240 V

P1 [kW]	P2 [kW]	min ⁻¹	Starting method	I _N [A]	I _{start} [A]			η _{motor} [%]			Cos φ			Moment of inertia [kgm ²]	Break down torque [Nm]	Cable [mm ²] [power-ground-sensor]
					220 V	240 V		1/2	3/4	1/1	1/2	3/4	1/1			
33.4	30	2850	Y/D	102	427	405		87	89	89	0.75	0.82	0.86	0.29	251	6 × 25 + 1 × 16 + 6 × 1.5

Pump data

Pump type	Impeller type	Maximum solids size [mm]	Maximum number of starts per hour	Maximum installation depth [m]	Enclosure class	Insulation class	Maximum liquid temperature [°C]	pH
DWK.H.7.100.300.5	Enclosed	7	15	25	68	F	40	4-10

DWK.H.7.100.370.5



TM06 9887 3517

Electrical data

DWK.H.7.100.370.5.1D - 3 × 380-415 V

P1 [kW]	P2 [kW]	min ⁻¹	Starting method	I _N [A]	I _{start} [A]			η _{motor} [%]			Cos φ			Moment of inertia [kgm ²]	Break down torque [Nm]	Cable [mm ²] [power-ground-sensor]
					380 V	400 V	415 V	1/2	3/4	1/1	1/2	3/4	1/1			
41.1	37	2850	Y/D	72	247	234	226	88	90	90	0.75	0.83	0.86	1.02	297	6 × 16 + 1 × 10 + 6 × 1.5

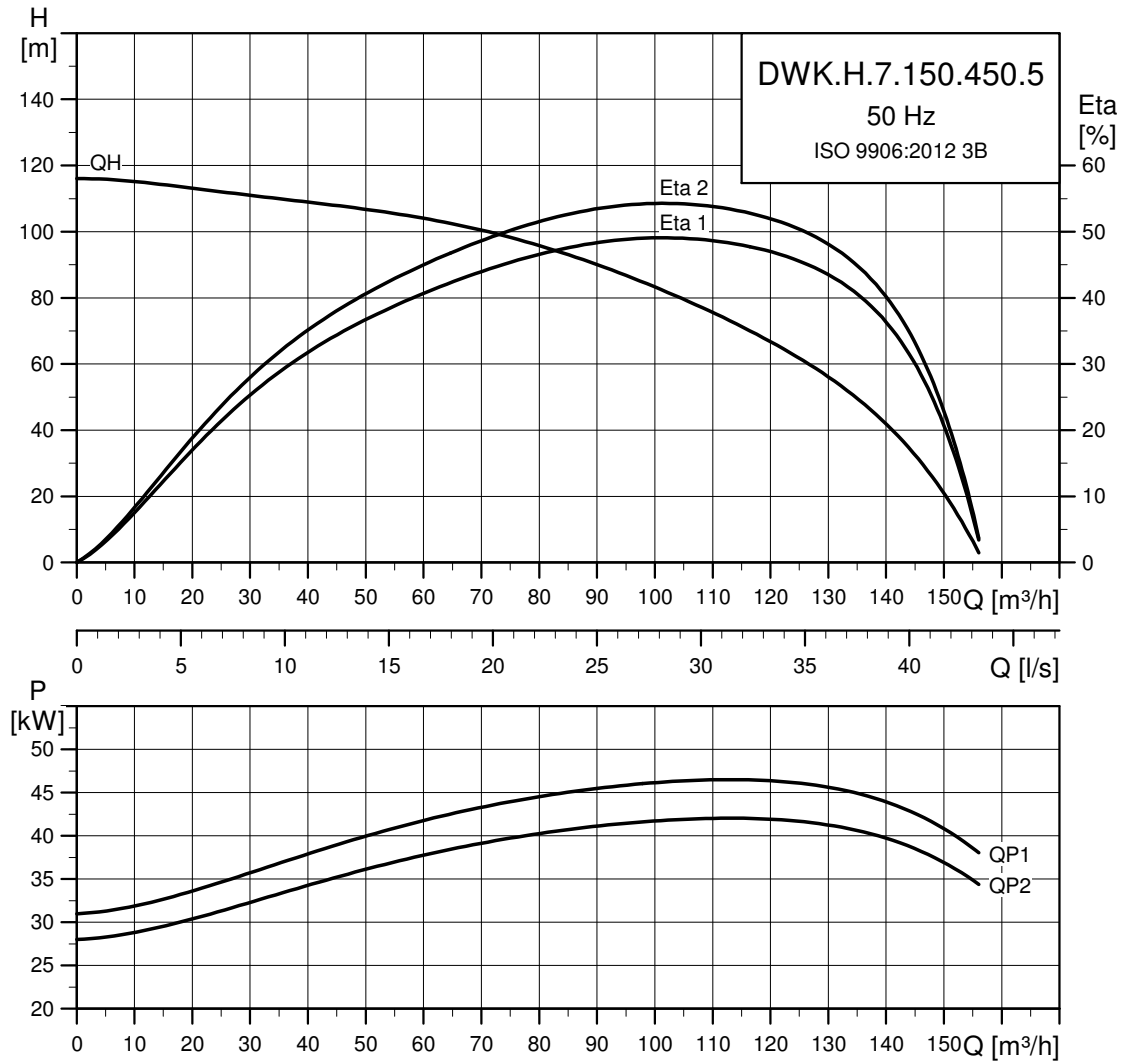
DWK.H.7.100.370.5.1E - 3 × 220-240 V

P1 [kW]	P2 [kW]	min ⁻¹	Starting method	I _N [A]	I _{start} [A]			η _{motor} [%]			Cos φ			Moment of inertia [kgm ²]	Break down torque [Nm]	Cable [mm ²] [power-ground-sensor]
					220 V	240 V		1/2	3/4	1/1	1/2	3/4	1/1			
41.1	37	2850	Y/D	125	427	405		88	90	90	0.75	0.83	0.86	1.02	297	6 × 25 + 1 × 16 + 6 × 1.5

Pump data

Pump type	Impeller type	Maximum solids size [mm]	Maximum number of starts per hour	Maximum installation depth [m]	Enclosure class	Insulation class	Maximum liquid temperature [°C]	pH
DWK.H.7.100.370.5	Enclosed	7	15	25	68	F	40	4-10

DWK.H.7.150.450.5



TM06 9888 3517

Electrical data

DWK.H.7.150.450.5.1D - 3 × 380-415 V

P1 [kW]	P2 [kW]	min ⁻¹	Starting method	I _N [A]	I _{start} [A]			η _{motor} [%]			Cos φ			Moment of inertia [kgm ²]	Break down torque [Nm]	Cable [mm ²] [power-ground-sensor]
					380 V	400 V	415 V	1/2	3/4	1/1	1/2	3/4	1/1			
49.8	45	2850	Y/D	87	479	455	438	88	90	90	0.76	0.83	0.87	1.24	362	6 × 16 + 1 × 10 + 6 × 1.5

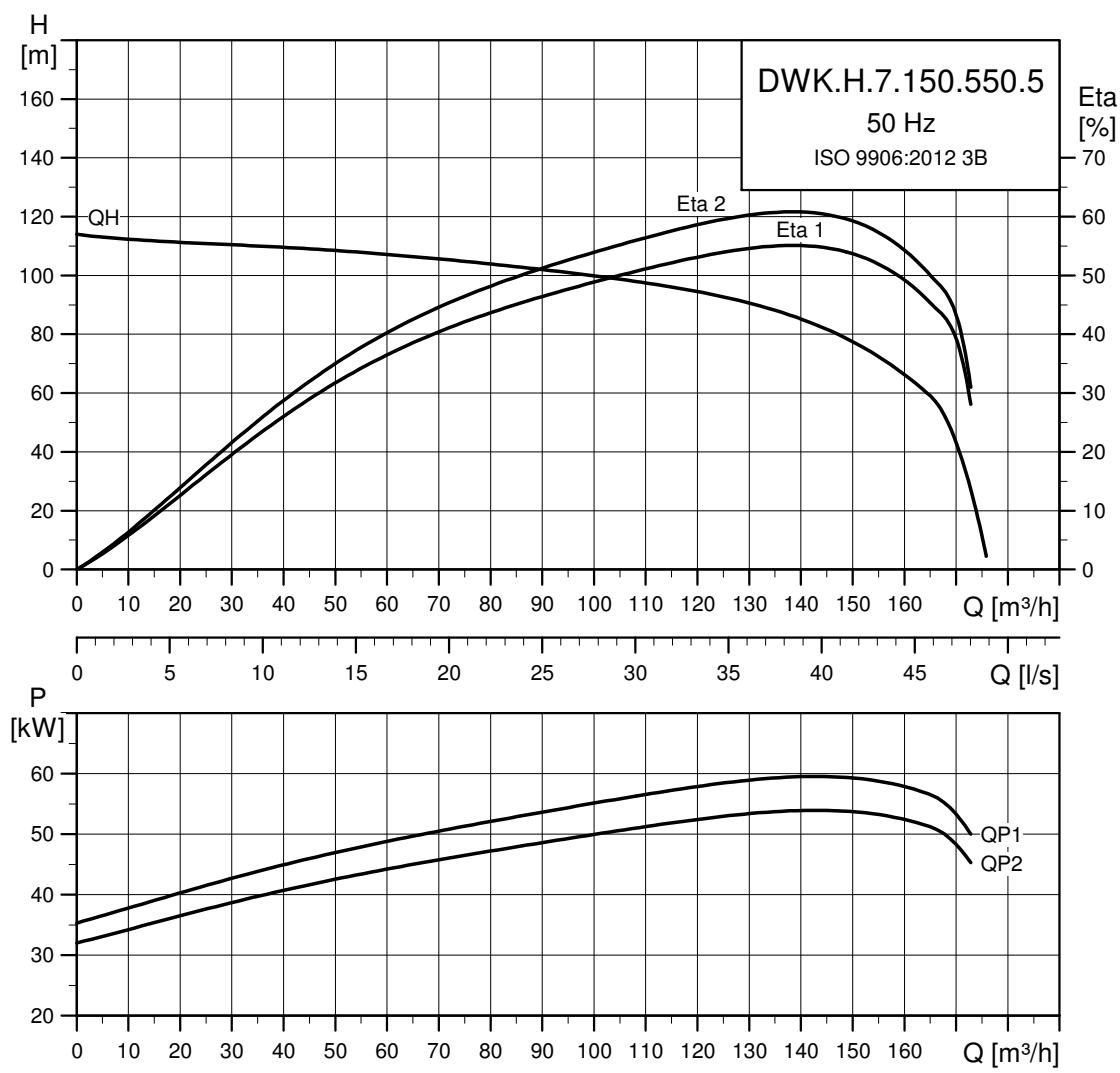
DWK.H.7.150.450.5.1E - 3 × 220-240 V

P1 [kW]	P2 [kW]	min ⁻¹	Starting method	I _N [A]	I _{start} [A]			η _{motor} [%]			Cos φ			Moment of inertia [kgm ²]	Break down torque [Nm]	Cable [mm ²] [power-ground-sensor]
					220 V	240 V		1/2	3/4	1/1	1/2	3/4	1/1			
49.8	45	2850	Y/D	151	427	405		88	90	90	0.76	0.83	0.87	1.24	362	6 × 35 + 1 × 25 + 6 × 1.5

Pump data

Pump type	Impeller type	Maximum solids size [mm]	Maximum number of starts per hour	Maximum installation depth [m]	Enclosure class	Insulation class	Maximum liquid temperature [°C]	pH
DWK.H.7.150.450.5	Enclosed	7	15	25	68	F	40	4-10

DWK.H.7.150.550.5



TM06 9889 3517

Electrical data

DWK.H.7.150.550.5.1D - 3 × 380-415 V

P1 [kW]	P2 [kW]	min ⁻¹	Starting method	I _N [A]	I _{start} [A]			η _{motor} [%]			Cos φ			Moment of inertia [kgm ²]	Break down torque [Nm]	Cable [mm ²] [power-ground-sensor]
					380 V	400 V	415 V	1/2	3/4	1/1	1/2	3/4	1/1			
60.7	55	2850	Y/D	106	583	553	533	88	90	91	0.76	0.83	0.87	1.46	442	6 × 25 + 1 × 16 + 6 × 1.5

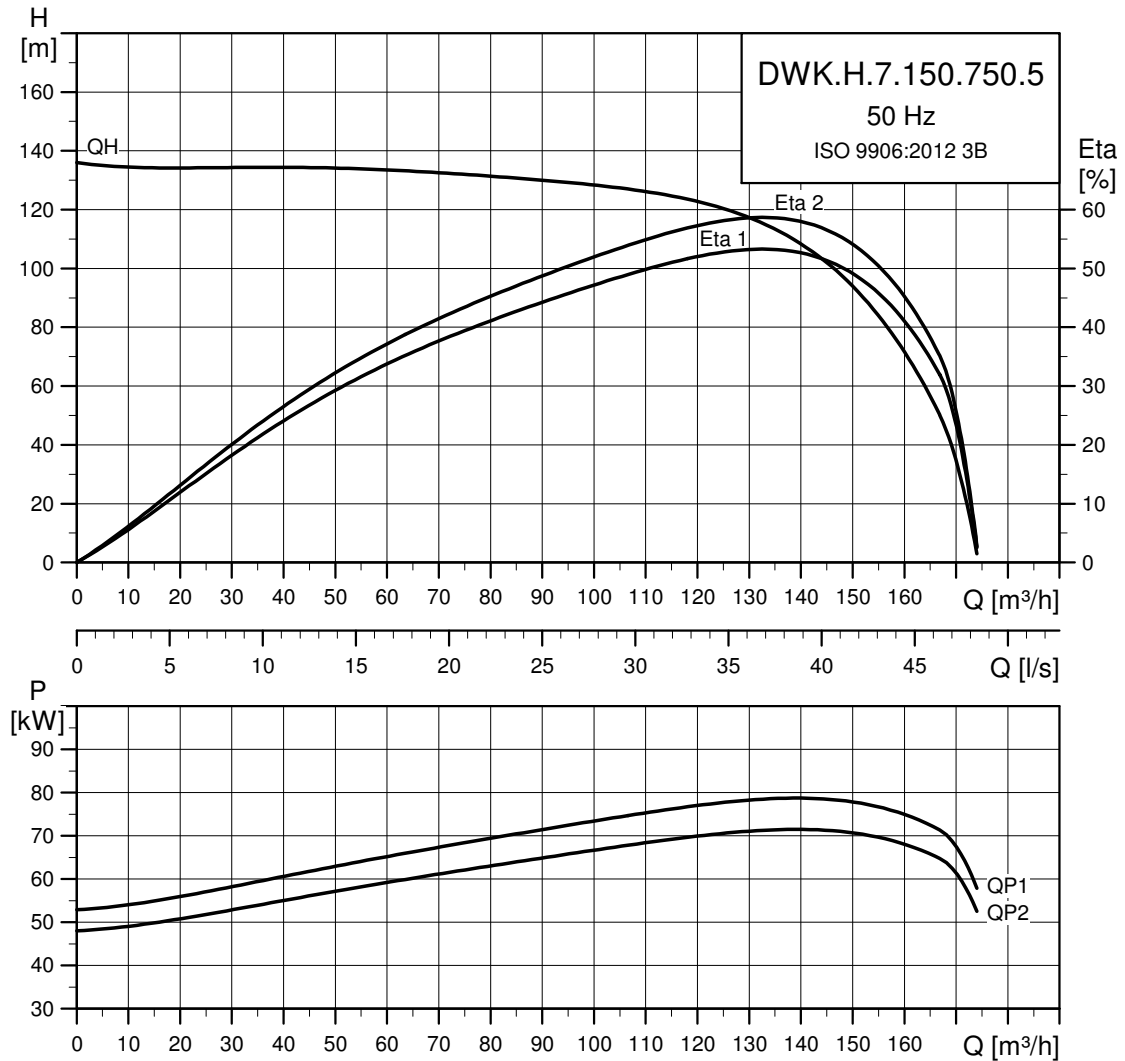
DWK.H.7.150.550.5.1E - 3 × 220-240 V

P1 [kW]	P2 [kW]	min ⁻¹	Starting method	I _N [A]	I _{start} [A]			η _{motor} [%]			Cos φ			Moment of inertia [kgm ²]	Break down torque [Nm]	Cable [mm ²] [power-ground-sensor]
					220 V	240 V	240 V	1/2	3/4	1/1	1/2	3/4	1/1			
60.7	55	2850	Y/D	184	427	405	405	88	90	91	0.76	0.83	0.87	1.46	442	6 × 35 + 1 × 25 + 6 × 1.5

Pump data

Pump type	Impeller type	Maximum solids size [mm]	Maximum number of starts per hour	Maximum installation depth [m]	Enclosure class	Insulation class	Maximum liquid temperature [°C]	pH
DWK.H.7.150.550.5	Enclosed	7	15	25	68	F	40	4-10

DWK.H.7.150.750.5



TM06 9890 3517

Electrical data

DWK.H.7.150.750.5.1D - 3 × 380-415 V

P1 [kW]	P2 [kW]	min ⁻¹	Starting method	I _N [A]	I _{start} [A]			η _{motor} [%]			Cos φ			Moment of inertia [kgm ²]	Break down torque [Nm]	Cable [mm ²] [power-ground-sensor]
					380 V	400 V	415 V	1/2	3/4	1/1	1/2	3/4	1/1			
82.6	75	2850	Y/D	144	792	752	724	88	90	91	0.76	0.84	0.87	1.72	603	6 × 35 + 1 × 25 + 6 × 1.5

DWK.H.7.150.750.5.1E - 3 × 220-240 V

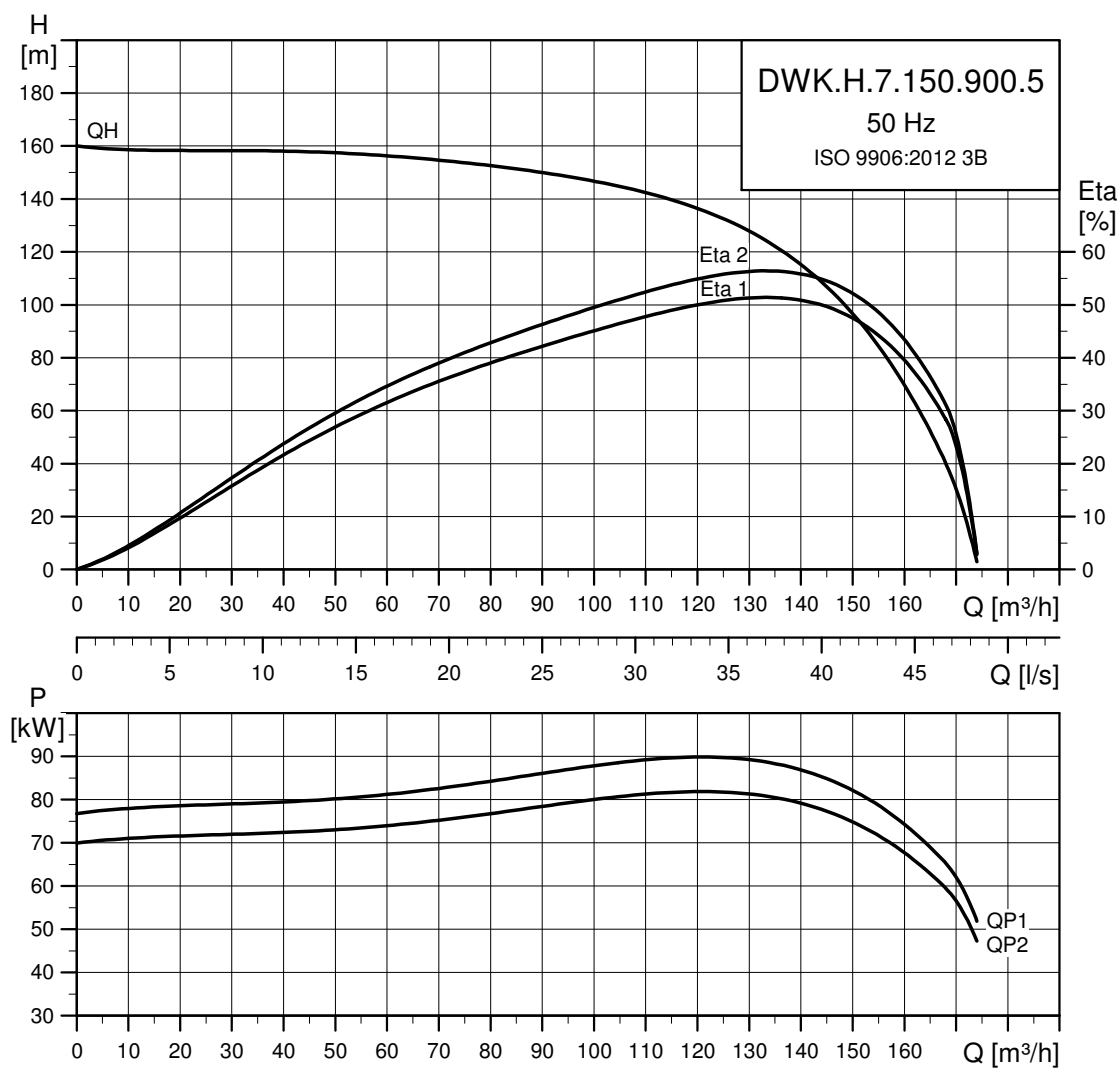
P1 [kW]	P2 [kW]	min ⁻¹	Starting method	I _N [A]	I _{start} [A]		η _{motor} [%]			Cos φ			Moment of inertia [kgm ²]	Break down torque [Nm]	Cable [mm ²] [power-ground-sensor]
					220 V	240 V	1/2	3/4	1/1	1/2	3/4	1/1			
82.6	75	2850	Y/D	249	427	405	88	90	91	0.76	0.84	0.87	1.72	603	3 × 50 + 1 × 35 + 4 × 1.5*

* 2EA = two power cables.

Pump data

Pump type	Impeller type	Maximum solids size [mm]	Maximum number of starts per hour	Maximum installation depth [m]	Enclosure class	Insulation class	Maximum liquid temperature [°C]	pH
DWK.H.7.150.750.5	Enclosed	7	15	25	68	F	40	4-10

DWK.H.7.150.900.5



TM06 9891 3517

Electrical data

DWK.H.7.150.900.5.1D - 3 × 380-415 V

P1 [kW]	P2 [kW]	min ⁻¹	Starting method	I _N [A]	I _{start} [A]			η _{motor} [%]			Cos φ			Moment of inertia [kgm ²]	Break down torque [Nm]	Cable [mm ²] [power-ground-sensor]
					380 V	400 V	415 V	1/2	3/4	1/1	1/2	3/4	1/1			
98.9	90	2850	Y/D	172	946	898	865	89	91	91	0.76	0.84	0.87	2.85	723	3 × 50 + 1 × 35 + 4 × 1.5*

*2EA = two power cables.

DWK.H.7.150.900.5.1E - 3 × 220-240 V

P1 [kW]	P2 [kW]	min ⁻¹	Starting method	I _N [A]	I _{start} [A]			η _{motor} [%]			Cos φ			Moment of inertia [kgm ²]	Break down torque [Nm]	Cable [mm ²] [power-ground-sensor]
					220 V	240 V		1/2	3/4	1/1	1/2	3/4	1/1			
98.9	90	2850	Y/D	298	427	405	89	91	91	0.76	0.84	0.87	2.85	723	3 × 50 + 1 × 35 + 4 × 1.5*	

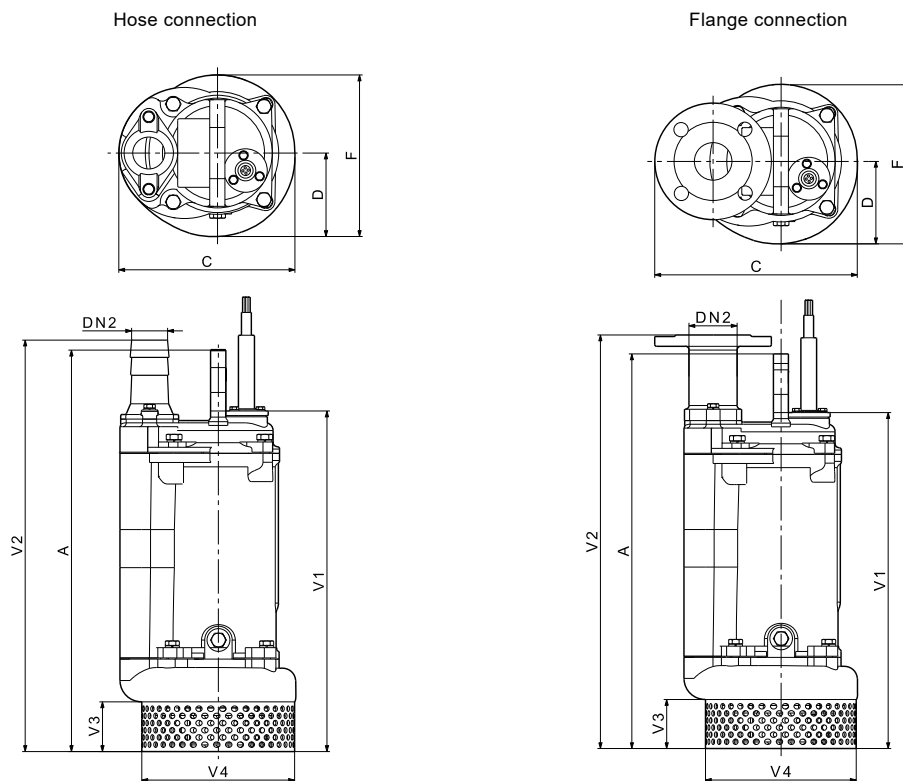
Pump data

Pump type	Impeller type	Maximum solids size [mm]	Maximum number of starts per hour	Maximum installation depth [m]	Enclosure class	Insulation class	Maximum liquid temperature [°C]	pH
DWK.H.7.150.900.5	Enclosed	7	15	25	68	F	40	4-10

11. Dimensions and weights

All weights are stated with 10 m cable.

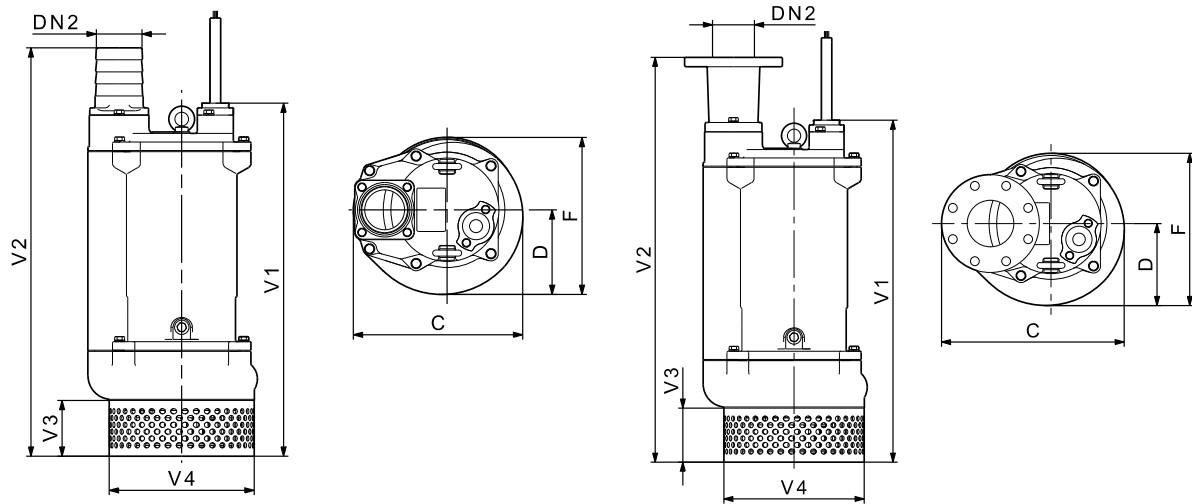
DWK.O.6.50/80.xx.5 and DWK.O.10.80.37.5



TM04 4147 0909 - TM04 4149 0909

Pump type	Connection type	Dimensions [mm]									Weight [kg]
		A	C	D	DN2	F	V1	V2	V3	V4	
DWK.O.6.50.075	Hose	438	235	110	50	215	398	462	65	202	39
	Flange	438	276	110	50	215	398	490	65	202	39
DWK.O.6.50.15	Hose	468	235	110	50	215	428	492	65	202	41
	Flange	468	276	110	50	215	428	520	65	202	41
DWK.O.6.50.22	Hose	488	235	110	50	215	448	512	65	202	45
	Flange	488	276	110	50	215	448	540	65	202	45
DWK.O.6.80.15	Hose	468	235	110	80	215	428	560	65	202	41
	Flange	468	295	110	80	215	428	520	65	202	41
DWK.O.6.80.22	Hose	488	235	110	80	215	448	580	65	202	45
	Flange	488	276	110	80	215	448	540	65	202	45
DWK.O.10.80.37	Hose	697	286	134	80	253	591	691	90	234	81
	Flange	697	321	134	80	253	591	731	90	234	81

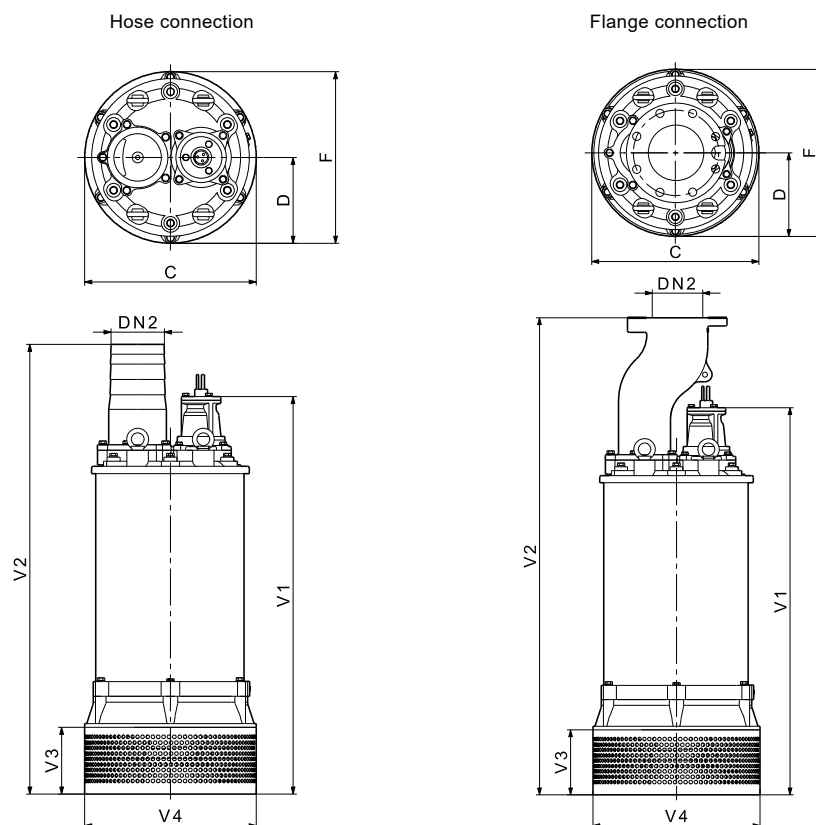
DWK.O.10.100.37.5 and DWK.O.13.xx.xx.5



TM04 6998 1610 - TM04 6999 1610

Pump type	Connection type	Dimensions [mm]								Weight [kg]
		C	D	DN2	F	V1	V2	V3	V4	
DWK.O.10.100.37	Hose	286	134	80	253	591	691	90	234	81
	Flange	321	134	80	253	591	731	90	234	81
DWK.O.13.80.55	Hose	358	179	80	333	734	832	116	302	110
	Flange	390	179	80	333	734	872	116	302	110
DWK.O.13.100.55	Hose	358	179	100	333	734	852	116	302	110
	Flange	409	179	100	333	734	872	116	302	110
DWK.O.13.100.75	Hose	358	179	100	333	734	852	116	302	156
	Flange	409	179	100	333	734	872	116	302	156
DWK.O.13.100.110	Hose	358	179	100	333	779	897	116	302	190
	Flange	431	179	100	333	779	917	116	302	190
DWK.O.13.100.150	Hose	358	179	100	333	779	897	116	302	195
	Flange	431	179	100	333	779	917	116	302	195
DWK.O.13.150.75	Hose	358	179	150	333	734	893	116	302	156
	Flange	434	179	150	333	734	862	116	302	156
DWK.O.13.150.110	Hose	358	179	150	333	779	948	116	302	190
	Flange	457	179	150	333	779	907	116	302	190
DWK.O.13.150.150	Hose	358	179	150	333	779	948	116	302	195
	Flange	457	179	150	333	779	907	116	302	195

DWK.E

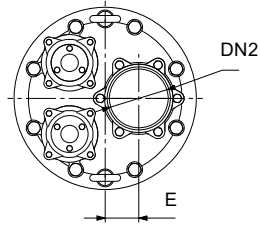


TM04 4148 0909 - TM04 4150 0909

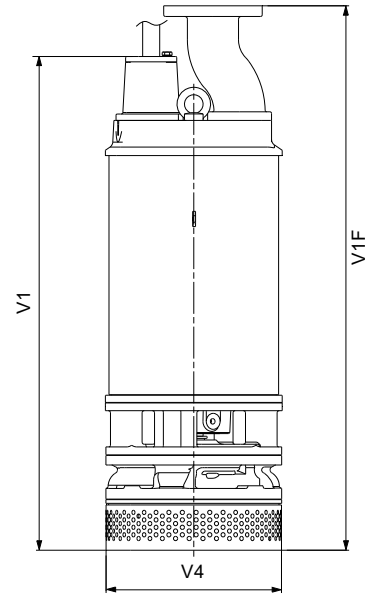
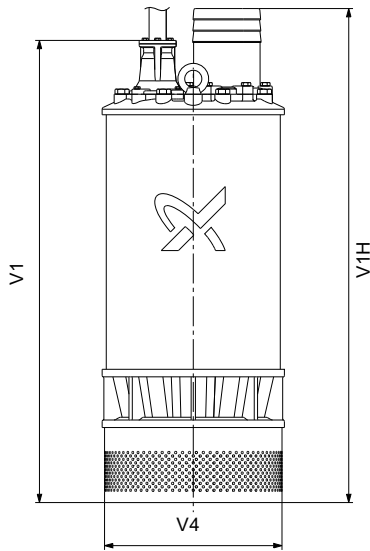
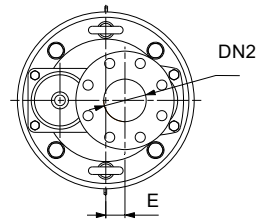
Pump type	Connection type	Dimensions [mm]								Weight [kg]
		C	D	DN2	F	V1	V2	V3	V4	
DWK.E.10.100.220	Hose	432	235	100	470	1099	1117	183	470	408
	Flange	432	235	100	470	1099	1342	183	470	420
DWK.E.10.150.220	Hose	432	235	150	470	1099	1232	183	470	417
	Flange	432	235	150	470	1099	1342	183	470	427
DWK.E.10.150.300	Hose	432	235	150	470	1099	1232	183	470	442
	Flange	432	235	150	470	1099	1342	183	470	452
DWK.E.10.150.370	Hose	532	306	150	612	1318	1411	220	557	837
	Flange	532	306	150	612	1318	1561	220	557	839
DWK.E.10.150.450	Hose	532	306	150	612	1318	1411	220	557	846
	Flange	532	306	150	612	1318	1561	220	557	858
DWK.E.10.150.550	Hose	532	306	150	612	1318	1411	220	557	909
	Flange	532	306	150	612	1318	1561	220	557	921
DWK.E.10.200.300	Hose	432	235	200	470	1318	1192	183	470	444
	Flange	432	235	200	470	1318	1342	183	470	462
DWK.E.10.200.370	Hose	532	306	200	612	1318	1411	220	557	839
	Flange	532	306	200	612	1318	1561	220	557	841
DWK.E.10.200.450	Hose	532	306	200	612	1318	1411	220	557	848
	Flange	532	306	200	612	1318	1561	220	557	860
DWK.E.10.200.550	Hose	532	306	200	612	1318	1411	220	557	911
	Flange	532	306	200	612	1318	1561	220	557	923
DWK.E.10.200.750	Hose	532	306	200	612	1418	1511	220	557	961
	Flange	532	306	200	612	1418	1661	220	557	973
DWK.E.10.200.900	Hose	532	306	200	612	1418	1511	220	557	1016
	Flange	532	306	200	612	1418	1661	220	557	1028

DWK.H

Hose connection








Flange connection



TM07 0549 0318 - TM07 0323 4817

Pump type	Dimensions [mm]						Weight [kg]
	E	V1	V1F	V1H	V4	DN2	
DWK.H.7.80.110.	36	930	1025	930	330	80	235
DWK.H.7.80.150	36	930	1025	930	330	80	250
DWK.H.7.100.220	0	1161	1410	1180	470	100	530
DWK.H.7.100.300	0	1161	1410	1180	470	100	580
DWK.H.7.100.370	10	1350	1595	1445	518	100	800
DWK.H.7.150.450	10	1350	1595	1445	518	150	830
DWK.H.7.150.550	10	1350	1595	1445	518	150	850
DWK.H.7.150.750	10	1450	1695	1545	518	150	880
DWK.H.7.150.900	10	1450	1695	1545	518	150	1020






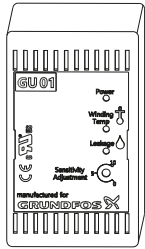
12. Accessories

Pictures	Description	Dimensions	DWK.O [kW]								DWK.H [kW]		DWK.E, DWK.H [kW]						Product number			
			0.75	1.5	2.2	3.7	5.5	7.5	11	15	11	15	22	30	37	45	55	75		90		
	Lifting chain 320 kg SS with shackle, DoC, certificate and work instructions TM01 7173 1409	2 m	•	•	•	•	•	•	•	•	•	•								98989662		
		3 m	•	•	•	•	•	•	•	•	•	•									98989664	
		4 m	•	•	•	•	•	•	•	•	•	•									98989666	
		6 m	•	•	•	•	•	•	•	•	•	•									98989668	
		8 m	•	•	•	•	•	•	•	•	•	•									98989670	
		10 m	•	•	•	•	•	•	•	•	•	•									98989672	
	Lifting chain 500 kg SS with shackle, DoC, certificate and work instructions TM01 7173 1409	2 m											•	•						98538174		
		3 m												•	•						98538175	
		4 m												•	•						98538176	
		6 m												•	•						98538177	
		8 m												•	•						98538178	
		10 m												•	•						98538179	
	Lifting chain 2000 kg SS with hook, DoC, certificate and work instructions TM01 7173 1409	4 m													•	•	•	•	•	98425801		
		6 m														•	•	•	•	•	98425802	
		8 m														•	•	•	•	•	98425803	
		10 m														•	•	•	•	•	98425804	
	Wire with clip, galvanised	3 m													•	•	•	•	•	•	96884375	
		6 m													•	•	•	•	•	•	96884374	
		10 m													•	•	•	•	•	•	96884373	
	Outlet flange with O-ring and bolts	DN 50 ⁽¹⁾	•	•	•																96922567	
		DN 80 ⁽¹⁾		•	•																	96922568
		DN 100 ⁽¹⁾				•	•															96922569
		DN 150 ⁽¹⁾					•	•	•	•	•											96922570
		DN 200 ⁽²⁾																				96922571
	Outlet flange with gasket and bolts	DIN	DN 80 ⁽¹⁾									•	•									99878884
		DN 100 ⁽¹⁾											•	•								96922572
		DN 100 ⁽¹⁾													•							99878942
		DN 150 ⁽¹⁾													•	•						96922573
		DN 200 ⁽²⁾														○						96922574
	Outlet flange with O-ring and bolts	DN 50 ⁽¹⁾	•	•	•																96922555	
		DN 80 ⁽¹⁾		•	•																	96922556
		DN 100 ⁽¹⁾				•	•															96922557
		DN 150 ⁽¹⁾					•	•	•	•	•											96922558
		DN 200 ⁽²⁾																				96922559
	Outlet flange with gasket and bolts	JIS	DN 80 ⁽¹⁾										•	•								99878886
		DN 100 ⁽¹⁾												•	•							96922560
		DN 150 ⁽¹⁾														•						99878955
		DN 200 ⁽²⁾														•	•					96922561
		DN 250 ⁽²⁾														○	○	•	•	•	•	96922562
	Outlet flange with gasket and bolts	DN 200 ⁽²⁾													○	○	•	•	•	•	96922564	
		DN 250 ⁽²⁾														○	○	•	•	•	•	96922565

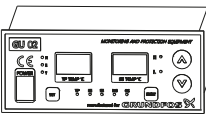



(1) DIN flanges up to DN 150 are according to DIN 2633 PN10/PN16.

(2) DIN flanges DN 200 and up are according to DIN 2362.

- available for stated product range
- available only for DWK.E
- * for the Chinese market, available upon request

Pictures	Description	Dimensions	DWK.O [kW]								DWK.H [kW]		DWK.E, DWK.H [kW]						Product number	
			0.75	1.5	2.2	3.7	5.5	7.5	11	15	11	15	22	30	37	45	55	75		90
	Outlet flange with O-ring and bolts	NPS 2"	•	•	•														96922579	
		NPS 3"		•	•															96922580
		NPS 4"				•	•													96922581
		NPS 6"					•	•	•	•										96922582
	ANSI ¹	Outlet flange with gasket and bolts	NPS 3"									•	•							96922583
			NPS 4"											•	•					99878885
			NPS 6"												•	•				96922584
			NPS 8"												•	•				99878954
TM07 0091 4117		NPS 6"											•	•					96922585	
		NPS 8"												•	•	•	•	•	96922586	
														○					96922588	
														○	○	•	•	•	96922589	
			¹ ANSI flanges according to ASME b 16.5 #150 lbs.																	
	Outlet for hose with gasket and bolts	DN 50	•	•	•														96922591	
		DN 80		•	•															96922592
		DN 100				•	•													96922593
		DN 150					•	•	•	•	•									99776560
		DN 200										•	•							96922594
		DN 250												•	•					96922595
		DN 300													•	•				96922596
		DN 350														•	•	•	•	99878887
	Steel. Outlet flange with bolts and nuts.	DIN DN 80										•	•						96922597	
		DIN DN 100												•	•	•				96922598
		DIN DN 150														•	•	•	•	96922599
		KS DN 80											•	•						96922600
		KS DN 100												•	•	•				96922601
		KS DN 150														•	•	•	•	96922602
		ANSI NPS 3"												•	•					96922603
		ANSI NPS 4"													•	•	•			96922604
	LC 231	NPS 6"													•	•	•	•	96922605	
		NPS 8"														•	•	•	•	96922606
		NPS 10"															•	•	•	96922607
		NPS 12"															•	•	•	96922608
	LC 241	NPS 16"														•	•	•	96922609	
		NPS 20"															•	•	•	96922610
		NPS 24"															•	•	•	96922611
		NPS 28"															•	•	•	96922612
	GU01 monitoring system*	NPS 32"														•	•	•	96922613	
		NPS 36"															•	•	•	96922614

• available for stated product range
 ○ available only for DWK.E
 * for the Chinese market, available upon request

Pictures	Description	Dimensions	DWK.O [kW]								DWK.H [kW]		DWK.E, DWK.H [kW]						Product number			
			0.75	1.5	2.2	3.7	5.5	7.5	11	15	11	15	22	30	37	45	55	75		90		
	GU02 monitoring system TM06 8951 1417					•	•	•	•	•	•	•	•	•	•	•	•	•	•	96922604		
	Stainless steel (304). Wire with shackle. TM07 0094 4117	3 m										•	•	•	•	•	•	•	•	Contact Grundfos		
		4 m										•	•	•	•	•	•	•	•			
		6 m										•	•	•	•	•	•	•	•		•	
		8 m										•	•	•	•	•	•	•	•		•	
		10 m										•	•	•	•	•	•	•	•		•	
	Float switch TM01 6982 3999	2 m cable					•	•	•	•	•	•	•	•	•	•	•	•	•	Contact Grundfos		
		4 m cable					•	•	•	•	•	•	•	•	•	•	•	•	•			
		6 m cable					•	•	•	•	•	•	•	•	•	•	•	•	•		•	
		10 m cable					•	•	•	•	•	•	•	•	•	•	•	•	•		•	
	Bracket for float switch TM07 0096 4117	Flange JIS 10K 100A					•	•	•	•	•	•	•	•	•	•	•	•	•	Contact Grundfos		

- available for stated product range
- available only for DWK.E
- * for the Chinese market, available upon request

13. Grundfos Product Center

Online search and sizing tool to help you make the right choice.

<http://product-selection.grundfos.com>

All the information you need in one place

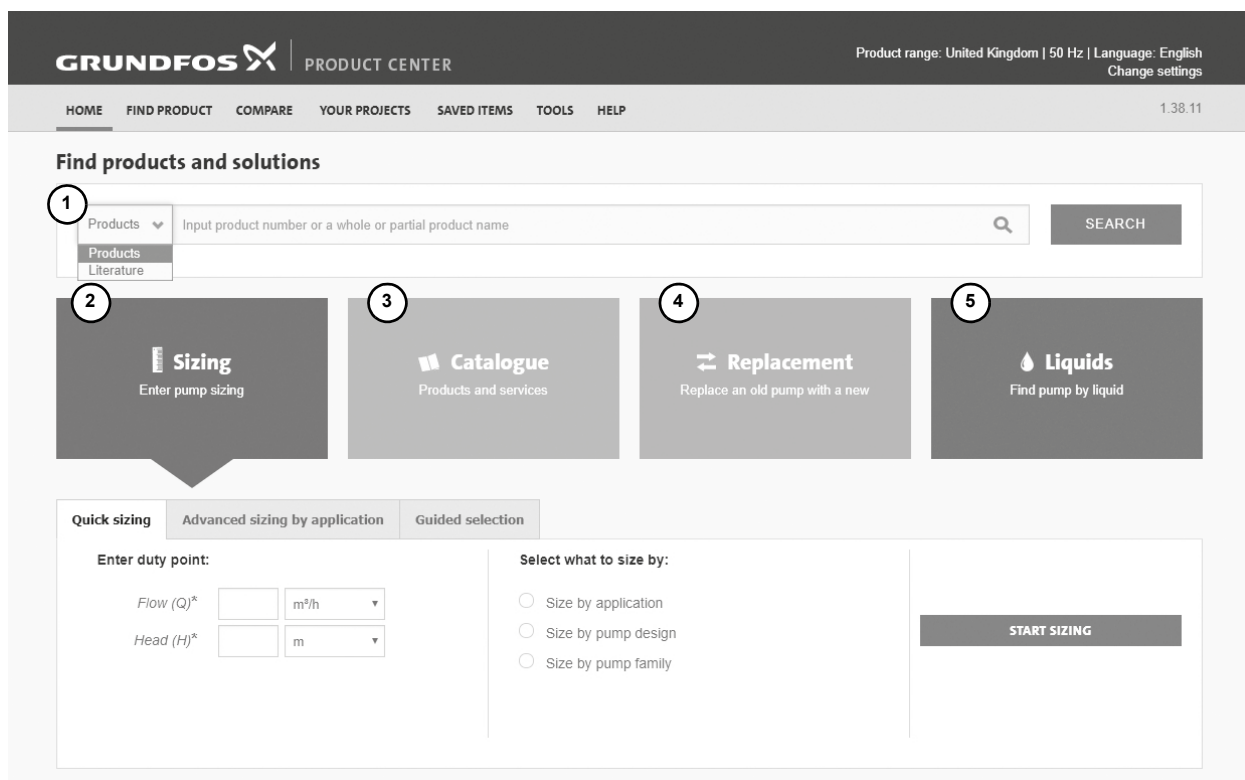
Performance curves, technical specifications, pictures, dimensional drawings, motor curves, wiring diagrams, spare parts, service kits, 3D drawings, documents, system parts. The Product Center displays any recent and saved items - including complete projects - right on the main page.

Downloads

On the product pages, you can download installation and operating instructions, data booklets, service instructions, etc. in PDF format.



TM07 2384



Pos. Description

- | | |
|---|---|
| 1 | This drop-down menu enables you to set the search function to "Products" or "Literature". |
| 2 | SIZING enables you to size a pump based on entered data and selection choices. |
| 3 | CATALOGUE gives you access to the Grundfos product catalogue.
REPLACEMENT enables you to find a replacement product.
Search results will include information on |
| 4 | the lowest purchase price
the lowest energy consumption
the lowest total life cycle cost. |
| 5 | LIQUIDS enables you to find pumps designed for aggressive, flammable or other special liquids. |

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ECM: 1276063

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