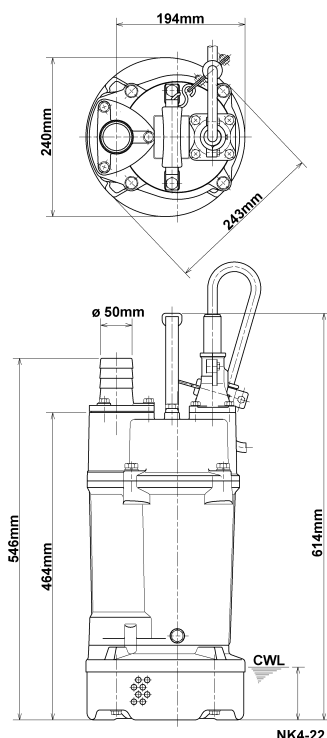
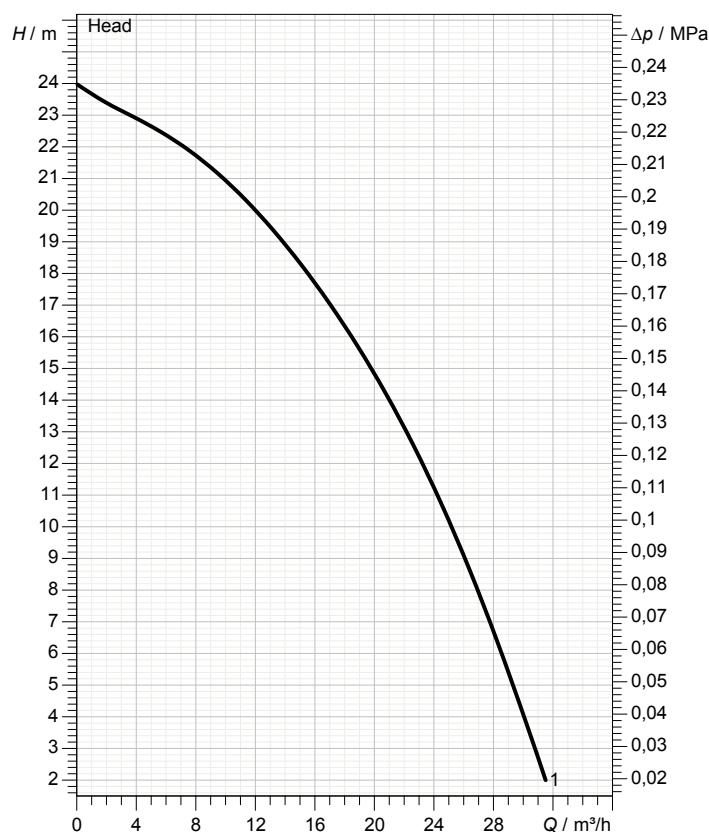


Data sheet NK4-22



CWL: Continuous running water level



Specification

Electric submersible pump NK-series
 Degree of protection IP 68
 Pressure resistance max. 25 m
 Type of impeller semi-vortex
 Max. solid handling 6 mm
 Suitable for:
 spring-/rain-/font water, water containing sand

Electric motor

Dry-type submersible induction motor
 Insulation class F 2Poles 2876 1/min
 Starting mode
 Rated voltage 230 V 50 Hz 1~
 Power uptake 2,92 kW
 Rated power 2,20 kW
 Rated current 14,6 A
 Start current 69,5 A

Cable

20m H07RN8-F 3Cx2,5mm²

Motor Protection

Circle thermal protector
 (snap-action bi-metal device)

Shaft seal

Double inside mechanical seal in oil bath
 additional lubrication by oil lifting device
 Primary seal
 Silicon carbide on silicon carbide
 Secondary seal
 Silicon carbide on silicon carbide

Bearings

Shielded ball bearings, maintenance-free

Materials

Impeller	FCD700 (EN-GJS-700-2)
Pump casing	BR + Natural Rubber
Motor Frame	Aluminium alloy casting
Shaft	SUS403 (EN-X6Cr13)

Discharge size

2" (50mm) BS-Coupling / Hose Coupling (optional)

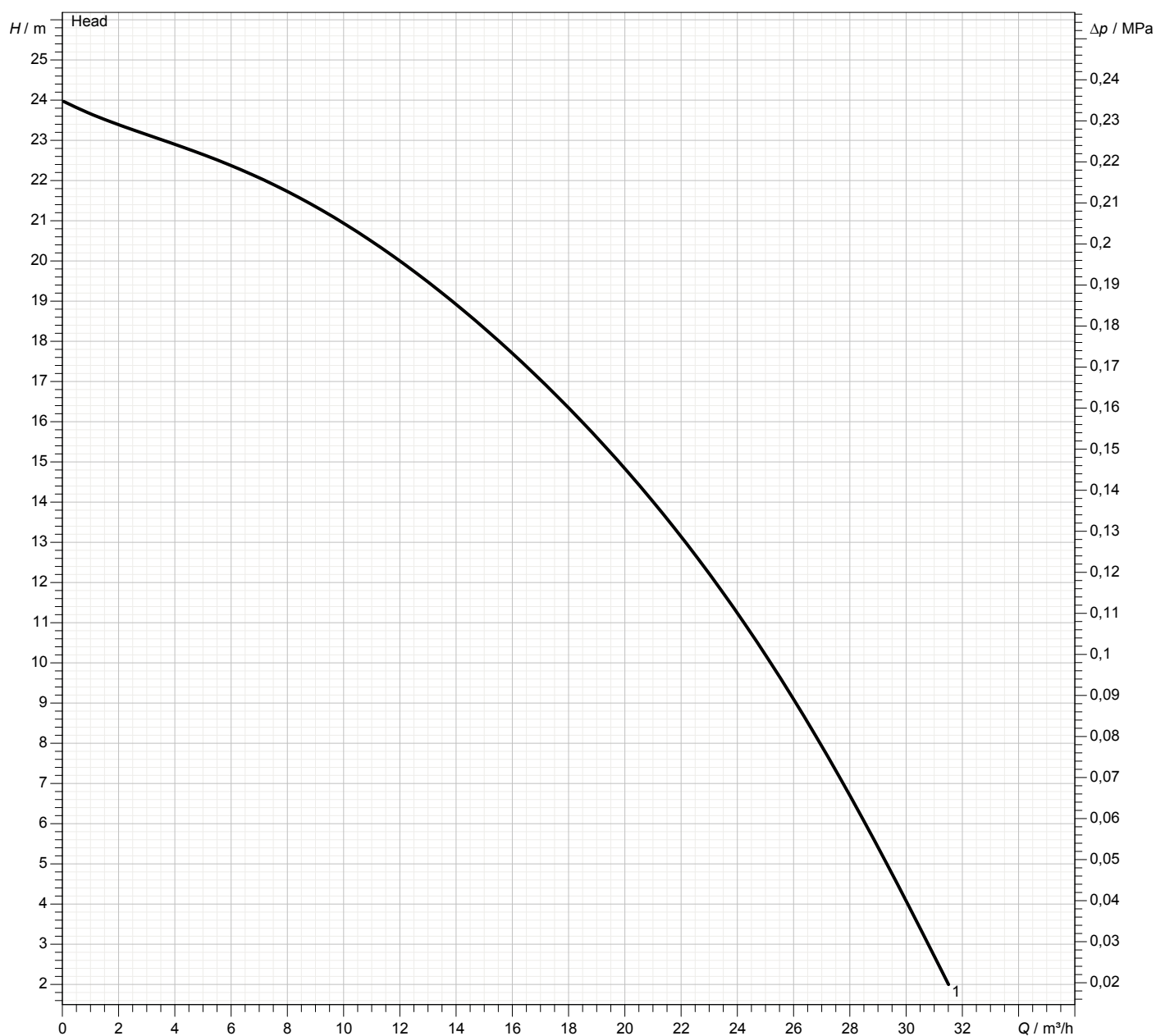
Weight

29 kg (dry weight of the pump only without cable)

Performance curve

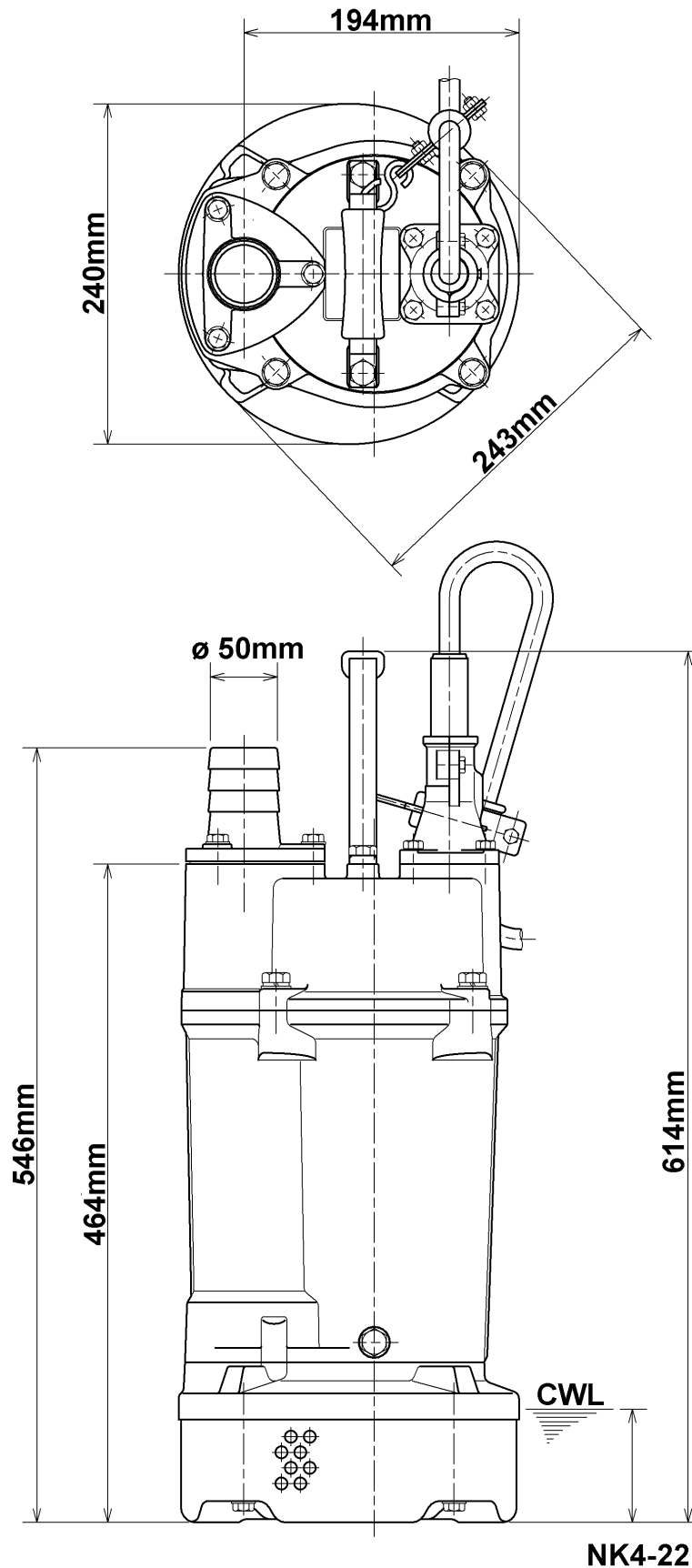
NK4-22

Discharge port	2"
Head	24,0 m
Flow	31,5 m³/h
Rated power	2,20 kW
Power input	2,92 kW
Phases	1~
Voltages	230 V
Frequency	50 Hz
Rated current	14,6 A
Starting current	69,50 A
Number of poles	2
Speed	2876 1/min
Starting mode	
Insulation class	F



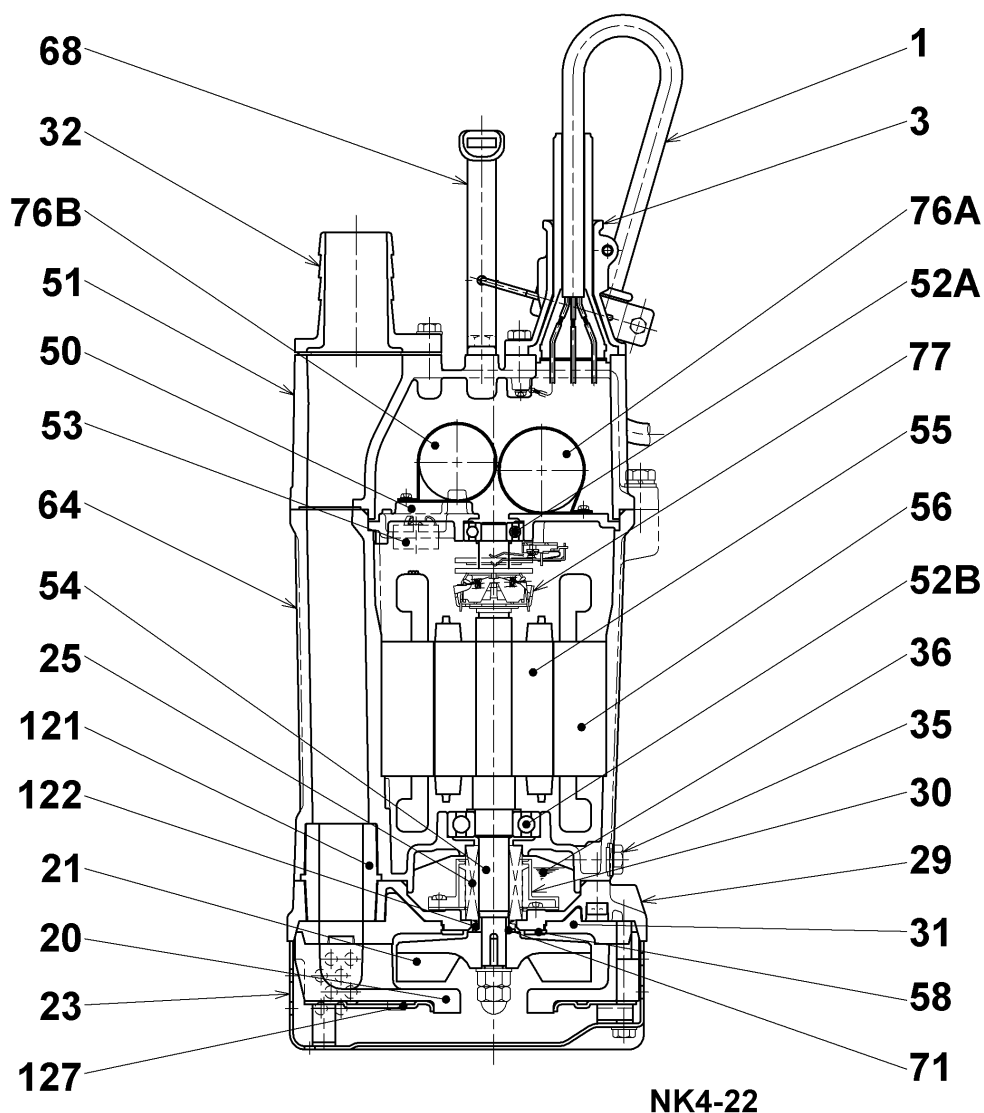
Dimensions

NK4-22



CWL: Continuous running water level
 LWL: Lowest running water level

Sectional drawing NK4-22



No.	Description	Remark	No.	Description	Remark
1	Cable	H07RN-F	53	Motor Protector 380/400/415V-50Hz.KA314-HRXL00 (H.C)	
3	Gland	Aluminium die casting	54	Shaft	SUS403 (EN-X6Cr13)
20	Pump casing	BR + Natural Rubber	55	Rotor	.
21	Impeller	FCD700 (EN-GJS-700-2)	56	Stator	.
23	Strainer	Steel plate	58	Schutzplatte	Steel plate
25	Mechanical seal	H-20T	64	Motor Frame	Aluminium alloy casting
29	Oil casing	Aluminium alloy casting	68	Handle	Steelplate and rubber
30	Oil distributor	Plastic	71	Shaft protection sleeve	SUS304 (EN-X5CrNi18-10)
31	Attrition plate	Synthetic rubber	76A	Condenser	.
32	Discharge coupling	Aluminium die casting	76B	Condenser	.
35	Oil screw	SUS304 (EN-X5CrNi18-10)	77	Centrifugal force switch	.
36	Lubricant	Turbine oil (ISO VG32)	121	Seal	Styrene-butadiene-rubber
50	Motor cover	FC200 (EN-GJL-200)	122	V-ring	Nitrilkautschuk
51	Main cover	Aluminium alloy casting	127	Fixing plate	Steel plate
52A	Upper bearing	6203ZZC3			
52B	Lower bearing	6305ZZC3			