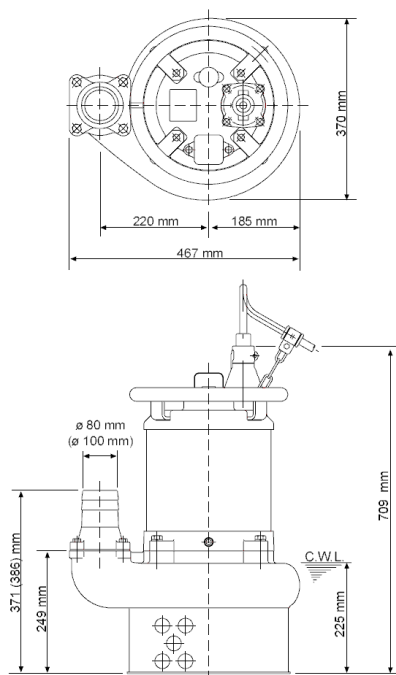
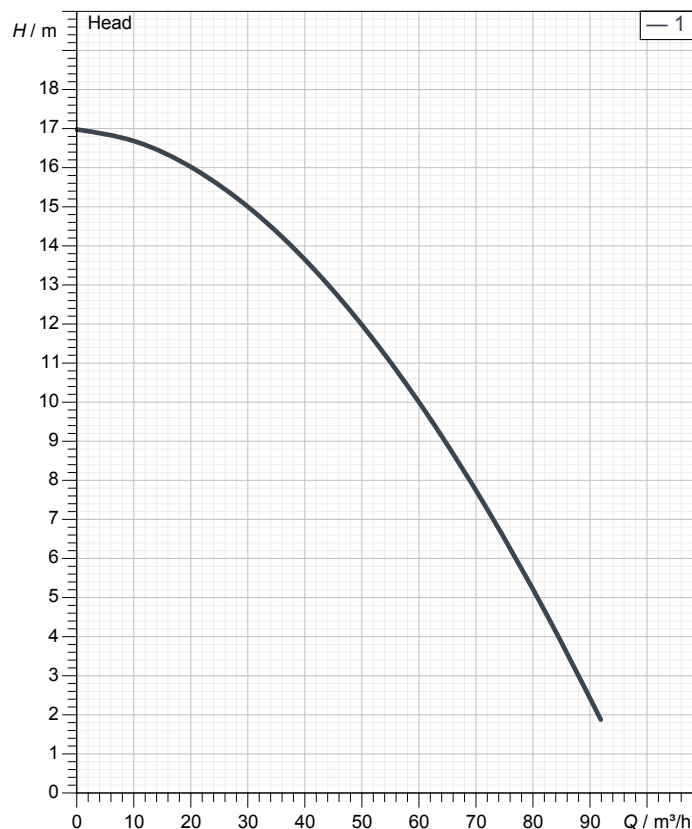


Data sheet NKZ3-D3-C4



NKZ3-D3
(NKZ3-C4)

CWL: Continuous running water level



Specification

Electric submersible pump NKZ-series
 Degree of protection IP 68
 Pressure resistance max. 15 m
 Type of impeller Open
 Max. solid handling 30 mm
 Suitable for:
 sludge, slurry, liquids containing sand, bentonite

Electric motor

Dry-type submersible induction motor
 Insulation class E 4Poles 1410 1/min
 Starting mode Direct starting
 Rated voltage 400 V 50 Hz 3~
 Power uptake 4,74 kW
 Rated power 3,70 kW
 Rated current 8 A
 Start current 50,0 A

Cable

20m NSSHÖU 4Cx1,5mm²

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)
Agitator	FCD700 (EN-GJS-700-2)
Pump casing	FC200 (EN-GJL-200)
Suction cover	FC200 (EN-GJL-200)
Motor housing	FC150 (EN-GJL-150)
Shaft	SUS420J2 (EN-X30Cr13)

Discharge size

3" (80mm) Hose Coupling / BS-coupling (optional)

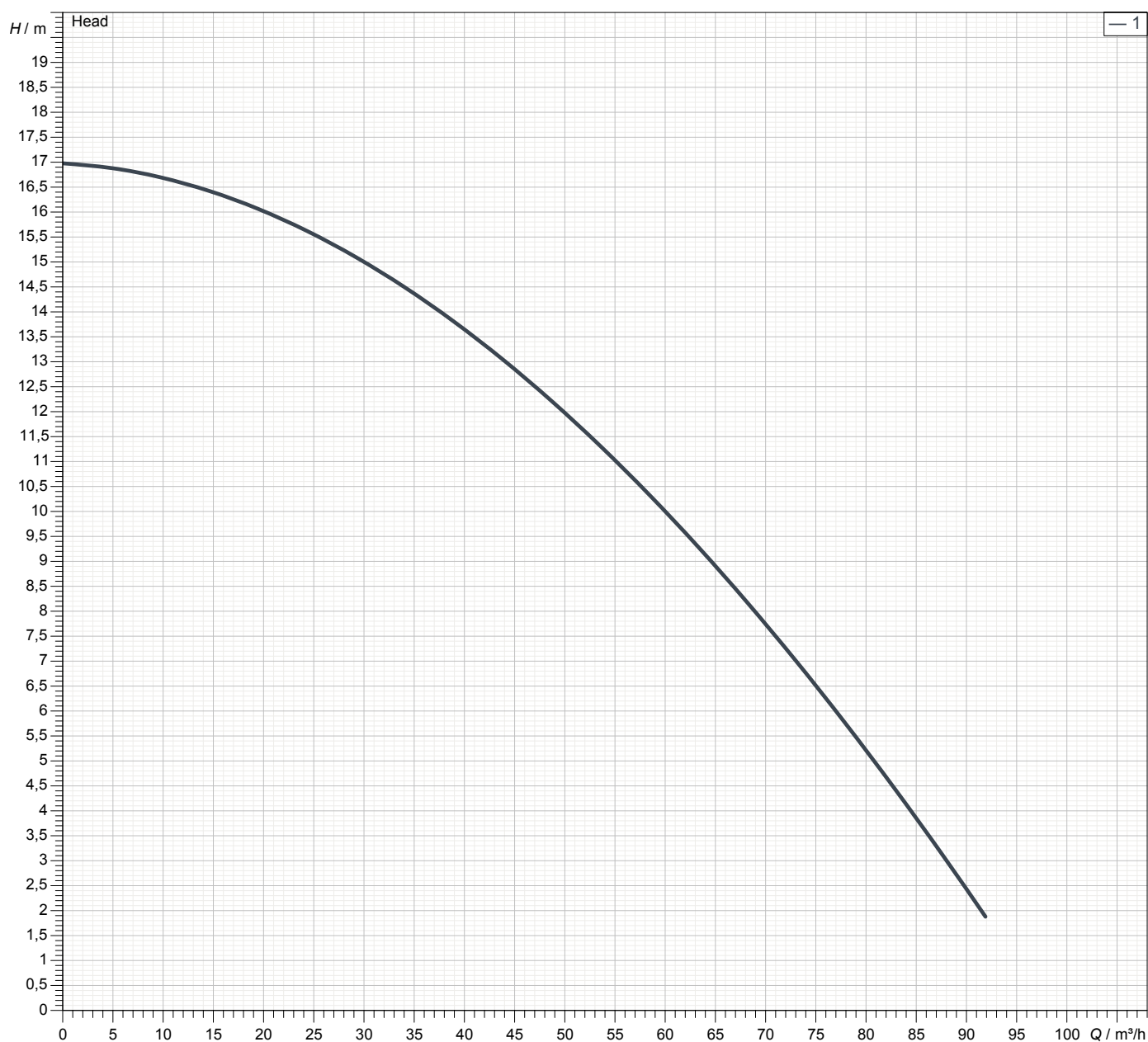
Weight

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

Performance curve

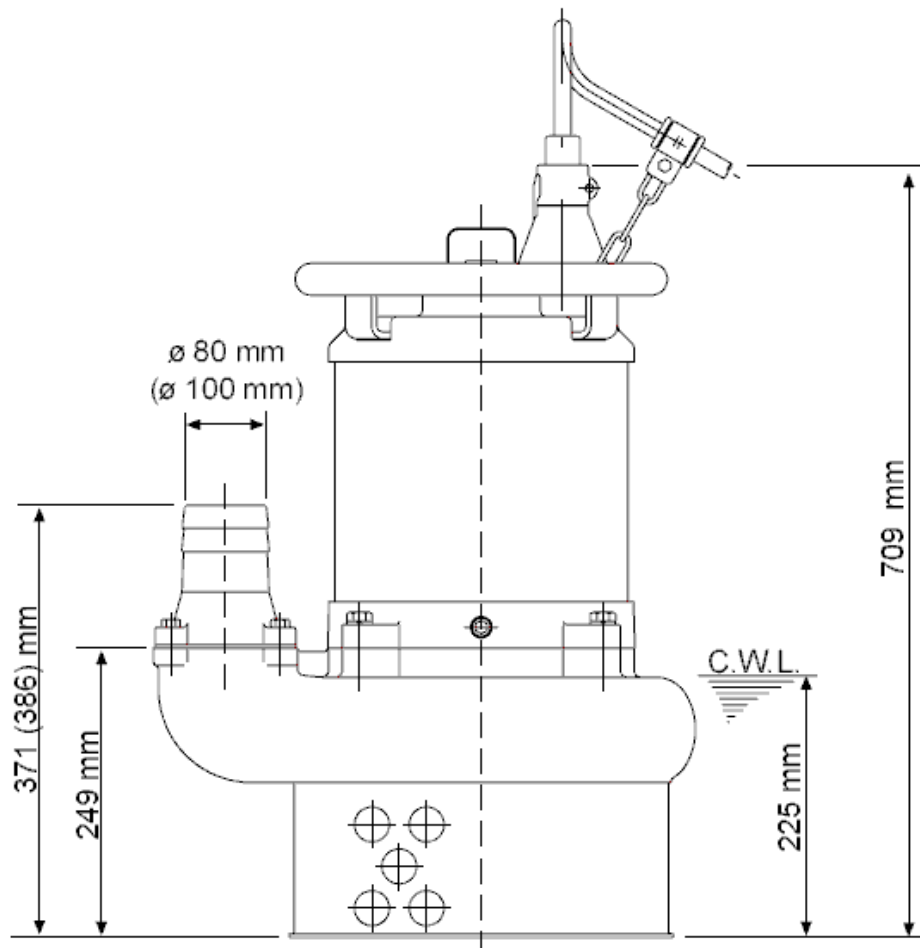
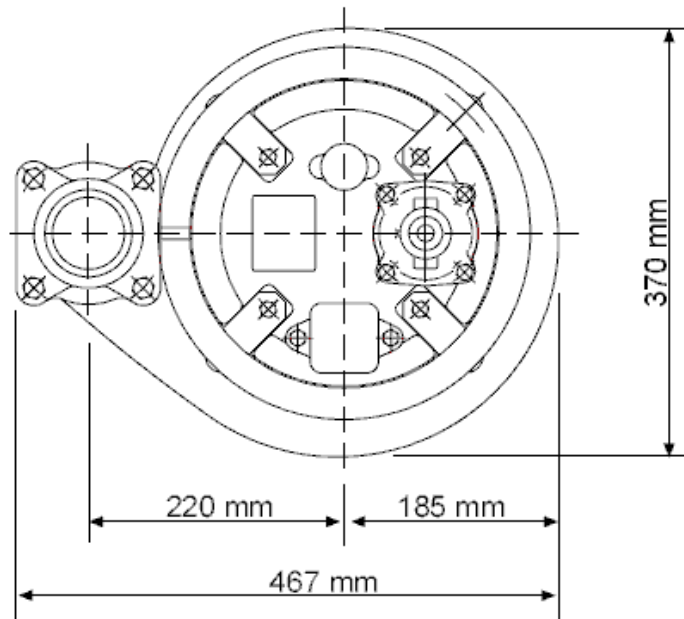
NKZ3-D3-C4

Discharge port	3"
Head	17,0 m
Flow	91,9 m³/h
Rated power	3,70 kW
Power input	4,74 kW
Phases	3~
Voltages	400 V
Frequency	50 Hz
Rated current	8 A
Starting current	50,00 A
Number of poles	4
Speed	1410 1/min
Starting mode	Direct starting
Insulation class	E



Dimensions

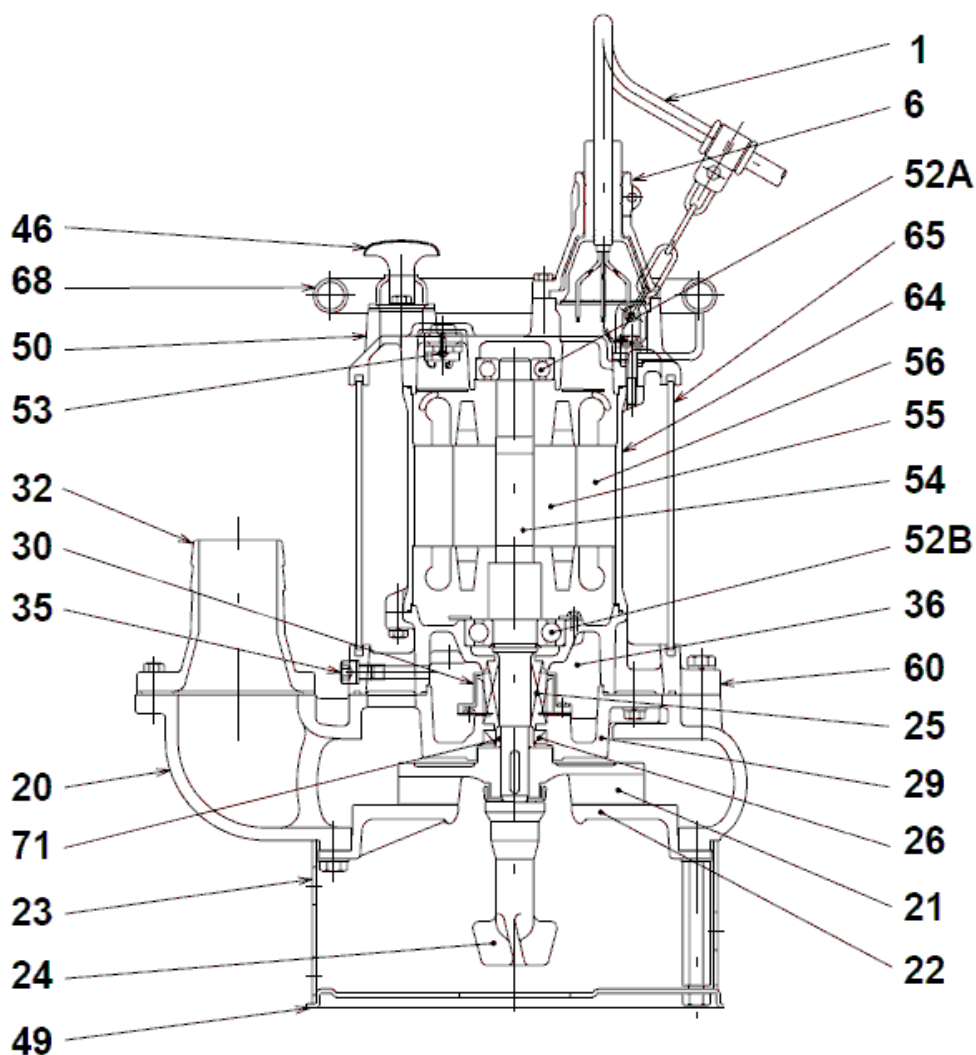
NKZ3-D3-C4



NKZ3-D3
(NKZ3-C4)

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

Sectional drawing NKZ3-D3-C4



NKZ3-D3/C4

No.	Description	Remark	No.	Description	Remark
1	Cable	20m NSSHÖU	52B	Lower bearing	6307ZZC3
6	Stuffing box	FC200 (EN-GJL-200)	53	Motor Protector 380/400/415V-50Hz	KA314-HRXL00 (H.C)
20	Pump casing	FC200 (EN-GJL-200)	54	Shaft	SUS420J2 (EN-X30Cr13)
21	Impeller	FCD700 (EN-GJS-700-2)	55	Rotor	.
22	Suction cover	FC200 (EN-GJL-200)	56	Stator	.
23	Strainer	Steel plate	60	Lagergehäuse	FC150 (EN-GJL-150)
24	Agitator	FCD700 (EN-GJS-700-2)	64	Motor housing	FC150 (EN-GJL-150)
25	Mechanical seal	H-25	65	Outer Cover	Construction steel SS400
26	Oil seal	DD305011	68	Handle	electroplated steel pipe
29	Oil casing	FC200 (EN-GJL-200)	71	Shaft protection sleeve	SUS403 (EN-X6Cr13)
32	Discharge coupling	FC200 (EN-GJL-200)			
35	Oil screw	SUS304 (EN-X5CrNi18-10)			
36	Lubricant	Turbine oil (ISO VG32)			
46	Air vent screw	Steel plate			
50	Motor cover	FC150 (EN-GJL-150)			
52A	Upper bearing	6305ZZC3			