

# NK

Submersible Portable Dewatering Pump



## Maximum output pump among single-phase pumps

### Common Features

- Cable entry with anti-wicking block
- High-grade bearings for high-temperature operation
- Integrated high-performance motor
- Built-in motor protector
- Oil-bath type double-mechanical seal featuring enhanced stable shaft sealing effect over prolonged use
- Service life of mechanical seal extended by OIL LIFTER (patent pending)
- Mechanical seal protected from corrosive particles in priming fluid by V-ring
- Impeller lock minimized by semi-vortex design

### Individual Features

#### Incorporating Starting Capacitor

No special starts are required. Just connect the power supply to enable operation.

#### Cooling System/Discharge Port

<Side flow design>

Efficient motor cooling can be achieved. Water is discharged from the top, which makes the pump easier to install in narrow locations.



### Standard Accessories

- Cabtyre cable ..... 1pc
- Hose coupling ..... 1pc

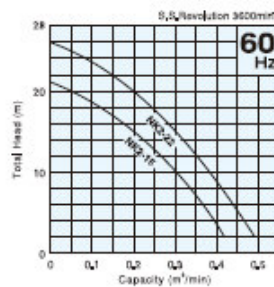
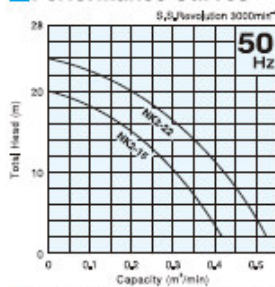
### Optional Specifications

- Extended cable
- Special paint

### Major Standard Specifications

Item	Discharge bore size mm	
	50	
Pumping fluid	Type of fluid	Rain water, Ground water, Sand carrying water
	Liquid temperature	0~40°C
Pump	Impeller	Semi-Vortex
	Shaft seal	Double mechanical seal
	Bearing	Shielded ball bearing
	Impeller	Ductile iron casting
Materials	Casing	Ethylene propylene rubber
	Shaft seal (mechanical seal)	Silicon Carbide
Motor	Type, poles	Dry-type submersible induction motor, 2 poles
	Insulation	Class B
	Phase/Voltage	Single-phase/110V, 220V, 230V, 240V
	Motor protector (built-in)	Circle thermal protector
	Lubricant	Turbine oil (ISO VG32)
	Frame	Aluminium alloy casting
	Shaft	Stainless steel #403
Cable	Chloroprene Sheath	
Discharge connection		Hose coupling

### Performance Curves



### Dimensions



### Specifications 50/60Hz

Discharge bore mm	Model	Motor Output kW	Phase	Max. Head m	Max. Capacity m³/min.	Starting Method	Dry Weight kgs	Length of Cabtyre Cable m	Dimensions mm							
									d	A	A1	B	B1	D	H	W1
50	NK2-15	1.5	Single	20	0.42	Capacitor Start	31.6	8	50	240	187	555	473	240	623	80
50	NK2-22	2.2	Single	24	0.53	Capacitor Start + Capacitor Run	32.0	8	50	240	187	555	473	240	623	80

● Dry weight of the pump excluding cable.