

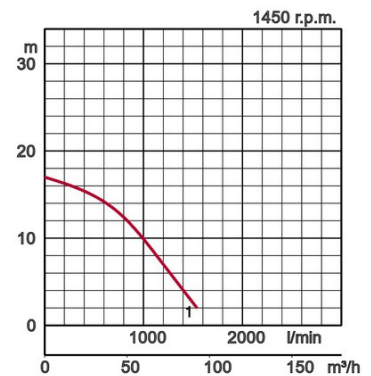
## Specifications:

| Model   | Colour code curve | Bore mm | Motor output kW | Rated current A | Head max. m | Capacity max. l/min | Dry weight kg w/o cable | Max. solid handling ø mm | Pressure resistance max. m | Cable length m |
|---------|-------------------|---------|-----------------|-----------------|-------------|---------------------|-------------------------|--------------------------|----------------------------|----------------|
| NKZ3-D3 | 1                 | 80      | 3,7             | 8,0             | 17,0        | 1540                | 100,0                   | 30                       | 15                         | 20             |

## All Purpose Sand Pumps

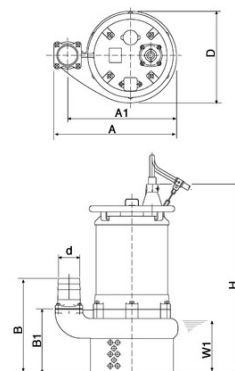
All pumps in this series provide very smooth passage of sandy earth and slime. A forcibly cooled motor ensures long and continuous pump operations exposed to the air.

|                      |                            |   |                                   |  |
|----------------------|----------------------------|---|-----------------------------------|--|
| ø Discharge bore mm  |                            | 80  |                                   |  |
| Pumping Fluid        | Temperature                | 0-40°C  |                                   |  |
|                      | Type of Fluid              | Liquids containing sandy mud, Sand carrying water |                                   |  |
| Pump                 | Components                 | Impeller  | Open type impeller                |  |
|                      |                            | Shaft Seal  | Double mechanical seal            |  |
|                      |                            | Bearings  | Shielded ball bearings            |  |
|                      | Material                   | Impeller  | Ductile iron casting EN-GJS-700-2 |  |
|                      |                            | Casing  | Grey iron casting EN-GJL-200      |  |
|                      |                            | Suction Plate                                     | Grey iron casting EN-GJL-200      |  |
|                      |                            | Shaft Seal  | Silicon carbide in oil bath       |  |
| Motor                | Type, Poles                |   | Induction motor, 4 poles, IP68    |  |
|                      | Lubrication                |   | Turbine oil (ISO VG32)            |  |
|                      | Motor Protector (built-in) |   | Circle thermal cut-out            |  |
|                      | Insulation                 |   | Insulation class E                |  |
|                      | Phase / Voltage            |   | 3-phase / 400V / 50Hz / d.o.l.    |  |
|                      | Material                   | Casing  | Grey iron casting EN-GJL-150      |  |
|                      |                            | Shaft   | Stainless steel EN-X30Cr13        |  |
| Cable                |                            | Rubber, NSSHÖU                                    |                                   |  |
| Discharge Connection |                            | Threaded flange/Hose coupling                     |                                   |  |



## Dimensions in mm:

| Model   | d  | A   | A1  | B   | B1  | D   | H   | W1  |
|---------|----|-----|-----|-----|-----|-----|-----|-----|
| NKZ3-D3 | 80 | 467 | 405 | 371 | 249 | 370 | 664 | 225 |



W1: lowest running water level

In the event of abrasive and corrosive utilization, stronger wear and tear will take place naturally in certain components. In this regard, please pay attention to our website [www.tsurumi.eu/english/applications.htm](http://www.tsurumi.eu/english/applications.htm).