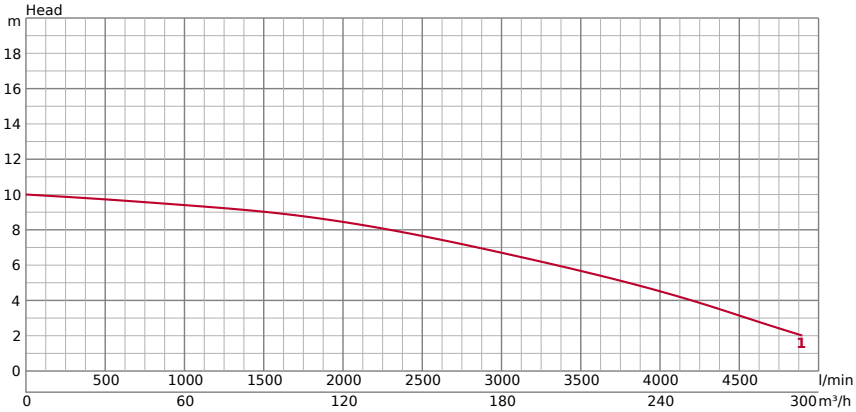
# KRS85.5 (KRS-85.5)






## TECHNICAL INFORMATION

| | | |
|---|---|---|
| **GENERAL** | **ø Discharge bore mm** | 200 |
| | **Discharge Connection** | Hose coupling |

| | | |
|---|---|---|
| **PUMPING FLUID** | **Type of Fluid** | Drainage |
| | **Temperature** | 0-40°C |
| | **Max. Solid Handling mm** | 20 |
| | **Max. dry matter %** | 15 |
| | **Max. PH Value** | 5-9 |
| | **Max. Capacity l/min** | 4900 |
| | **Max. Head m** | 10 |

**TECHNICAL INFORMATION** | Pump, Motor, Others on the next page →

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KRS85.5 (KRS-85.5).pdf | 31.10.2026

## PUMP

### COMPONENTS

| | |
|---|---|
| **Impeller** | Semi-open type impeller |
| **Bearings** | Shielded ball bearings |
| **Mechanical Seal** | Dual mechancial seal in oil bath |

### MATERIAL

| | |
|---|---|
| **Impeller** | Ductile iron casting EN-GJS-700-2 |
| **Casing** | Grey iron casting EN-GJL-200 |
| **Suction Plate** | Grey iron casting EN-GJL-200 |
| **Pump Body** | Grey iron casting EN-GJL-200 |
| **Mechanical Seal** | Silicon Carbide |

## MOTOR

| | |
|---|---|
| **Motor output kW** | 5,5 |
| **Starting method** | direct online |
| **Suitable for VFD** | Yes |
| **Suitable for Soft Starter** | Yes |
| **Type, Poles** | Induction motor, 4 poles, IP68 |
| **Insulation** | Insulation class F |
| **Phase / Voltage** | 3-phase / 400V / 50Hz |
| **r.p.m.** | 1450 |
| **Motor Protector (built-in)** | Circle thermal cut-out |
| **Rated Current** | 12,1 |
| **Voltage Change 400V --> 230V** | Internal re-connection (delta) |
| **Voltage Change 400V --> 690V** | Re-Winding |

### MATERIAL

| | |
|---|---|
| **Frame** | Grey iron casting EN-GJL-200 |
| **Shaft** | Stainless steel EN-X30Cr13 |
| **Cable** | NSSHÖU 4C*2.5mm² |
| **Cable Length** | 20m |

## OTHERS

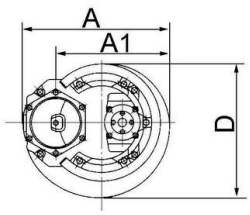
| | |
|---|---|
| **Dry Weight kg** | 135 |
| **Pressure Resistance** | max. 40m |

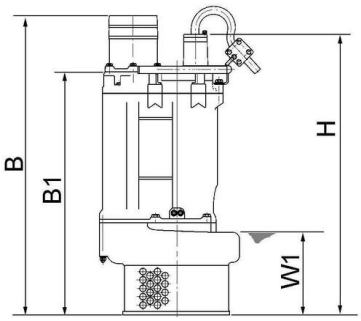


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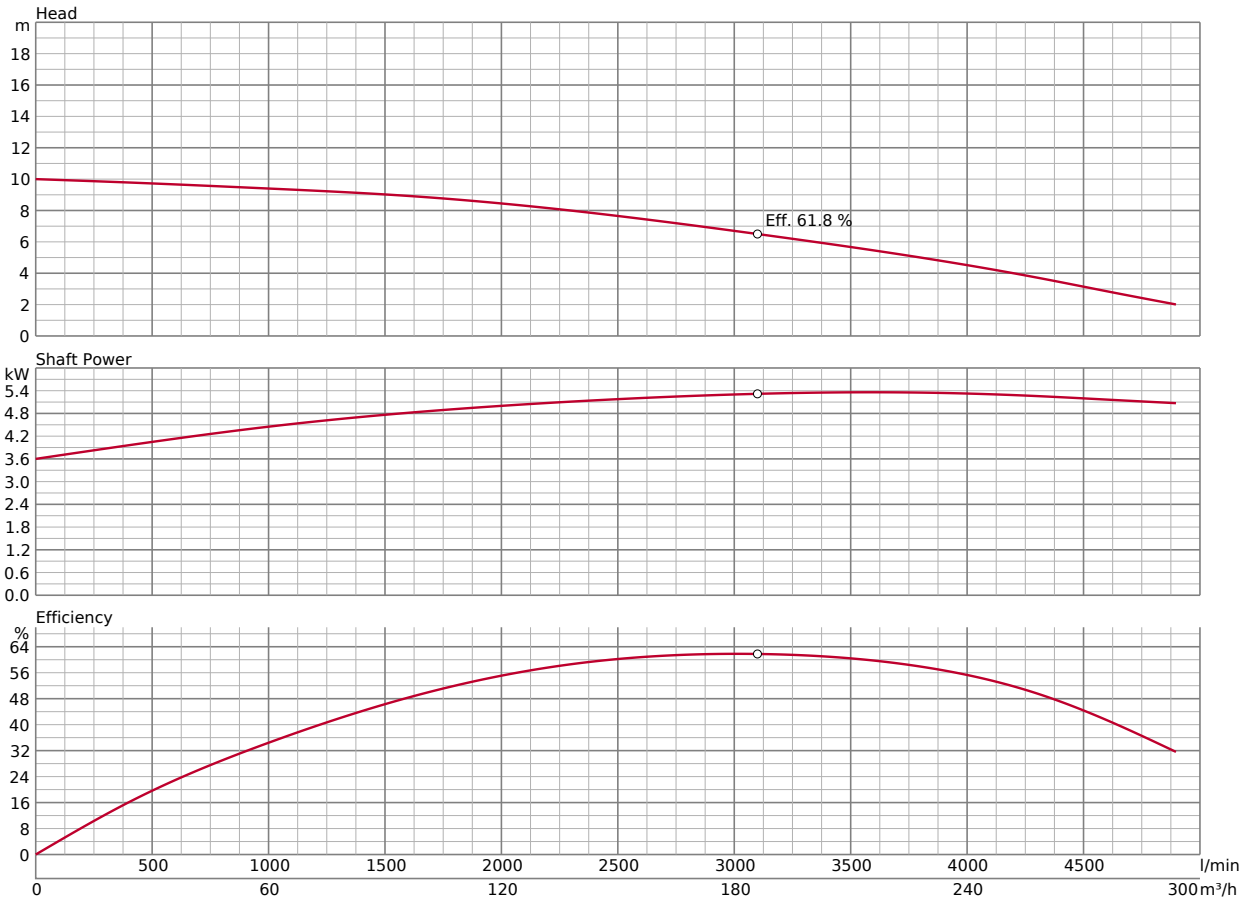
## DIMENSIONS




| DIMENSIONS - IN MM | | | | | |
|---|---|---|---|---|---|
| **A** | 449 | **B1** | 745 | **H** | 845 |
| **A1** | 326 | **D** | 413 | **W1** | 295 |
| **B** | 976 | | | | |

## PERFORMANCE CURVE




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.

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## ACCESSORIES

### PUMP DISCHARGE **032-166-17**
6" Hose Coupling

6" discharge with suitable connection for hose coupling



### PUMP DISCHARGE **032-TEG-66 + 142-165-10 (2x)**
6" BS-threaded coupling

6" discharge with suitable connection for threaded coupling

### PUMP DISCHARGE **032-TEG-68 + 142-165-10 (2x)**
8" BS-threaded coupling

8" discharge with suitable connection for threaded coupling

### OIL LEAKAGE SENSOR **TSS-TEG-10**
TSS Seal Oil Sensor M10 (10m)

Externally mounted leak sensors for water detection inside of oil chamber. Please note, an additional relay e.g. finder needs to be installed.



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## ACCESSORIES

### FLOAT SWITCH **1023012**
Float 20m (for Cotractors Pumps)

Automatic Operation: Activates the submersible pump when water levels rise to a preset height and deactivates it when levels drop, preventing overflow or pump damage.



### MOTOR PROTECTION PLUGS **547151603tu**
Plug CEE 16A

| SPECIFICATIONS | | | |
|---|---|---|---|
| **Amperage Control** | 10,0A - 16,0A | **IP** | 44 |
| **Cable Gland** | M25 | | |

Rotary lever actuation, motor protection with adjustment of the respective rated current, with phase turner and rotary field control, cable gland, Overload Protection: Automatically disconnects the motor in case of excessive current draw, preventing over



### MOTOR PROTECTION PLUGS **547251603tu**
Plug CEE 32 A

| SPECIFICATIONS | | | |
|---|---|---|---|
| **Amperage Control** | 10,0A - 16,0A | **IP** | 44 |
| **Cable Gland** | M32 | | |

Rotary lever actuation, motor protection with adjustment of the respective rated current, with phase turner and rotary field control, cable gland, Overload Protection: Automatically disconnects the motor in case of excessive current draw, preventing over



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## ACCESSORIES

### MOTOR PROTECTION PLUGS **5571516000tu**

Plug with float connection CEE 16A

| SPECIFICATIONS | | | |
|---|---|---|---|
| **Amperage Control** | 12,0A - 16,0A | **IP** | 44 |
| **Cable Gland** | M25 | | |

Rocker switch ON/OFF (HAND/AUTO), motor protection with adjustment of the respective rated current, contactor max. 7,5kW, with phase inverter, operating display and rotation field check cable gland for float switch and Power cable Overload Protection: Aut



### MOTOR PROTECTION PLUGS **5572516000tu**

Plug with float connection CEE 32A

| SPECIFICATIONS | | | |
|---|---|---|---|
| **Amperage Control** | 12,0A - 16,0A | **IP** | 44 |
| **Cable Gland** | M32 | | |

Rocker switch ON/OFF (HAND/AUTO), motor protection with adjustment of the respective rated current, contactor max. 7,5kW, with phase inverter, operating display and rotation field check cable gland for float switch and Power cable Overload Protection: Aut



### MOTOR PROTECTION PLUGS **587151603**

CEE MS PW Stecker 16/5 6h 10-16A DFK IP67

| SPECIFICATIONS | | | |
|---|---|---|---|
| **Amperage Control** | 10,0A - 16,0A | **IP** | 67 |
| **Cable Gland** | M25 | | |

Rotary lever actuation, motor protection with adjustment of the respective rated current, with phase turner and rotary field control, cable gland,  Overload Protection: Automatically disconnects the motor in case of excessive current draw, preventing over



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# ACCESSORIES

## MOTOR PROTECTION PLUGS **587251603**

CEE MS PW Stecker 32/5 6h 10-16A DFK IP67

| SPECIFICATIONS | | | |
|---|---|---|---|
| **Amperage Control** | 10,0A - 16,0A | **IP** | 67 |
| **Cable Gland** | M32 | | |

Rotary lever actuation, motor protection with adjustment of the respective rated current, with phase turner and rotary field control, cable gland, Overload Protection: Automatically disconnects the motor in case of excessive current draw, preventing over



## BOOSTER ADAPTER **022-TEG-11**

Booster Adapter for KRS63.0-51 / KRS85.5-51

Booster adapter designed to connect two pumps in series, enabling to achieve higher head for demanding applications.

