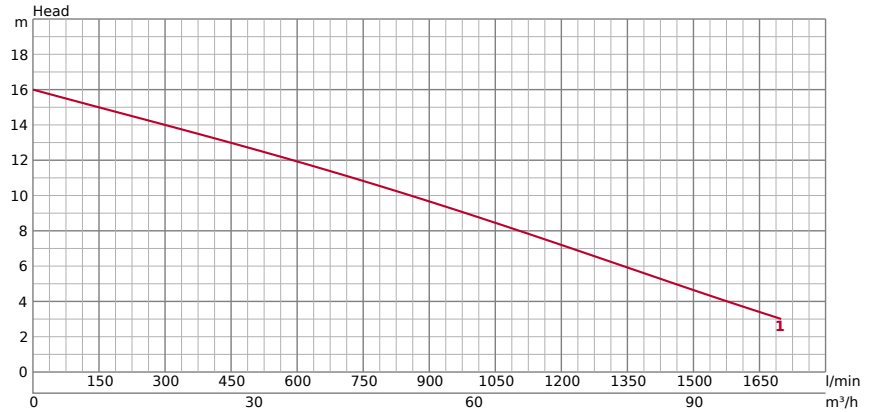


100C43.7



## TECHNICAL INFORMATION

### GENERAL

<b>∅ Discharge bore mm</b>	100mm
<b>Discharge Connection</b>	Inside thread, JIS10K flange

### PUMPING FLUID

<b>Type of Fluid</b>	Sewage
<b>Temperature</b>	0-40°C
<b>Max. Solid Handling mm</b>	70 x 81
<b>Max. PH Value</b>	5-9
<b>Max. Capacity l/min</b>	1700
<b>Max. Head m</b>	16

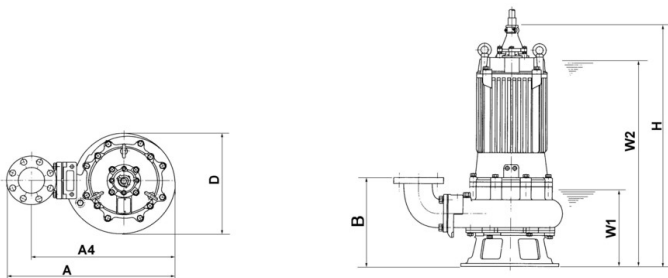
TECHNICAL INFORMATION | Pump, Motor, Others on the next page →

PUMP	COMPONENTS		MATERIAL	
	<b>Impeller</b>	Non-clog impeller with cutter mechanism	<b>Impeller</b>	Grey iron casting EN-GJL-200 with sintered tungsten carbide alloy tip
	<b>Bearings</b>	Shielded ball bearings	<b>Casing</b>	Grey iron casting EN-GJL-200
	<b>Mechanical Seal</b>	Dual mechanical seal in oil bath	<b>Suction Plate</b>	Ductile iron casting EN-GJS-700-2
		<b>Pump Body</b>	Grey iron casting EN-GJL-150	
		<b>Mechanical Seal</b>	Silicon Carbide	

MOTOR			MATERIAL	
	<b>Motor output kW</b>	3,7	<b>Frame</b>	Grey iron casting EN-GJL-150
	<b>Starting method</b>	direct online	<b>Shaft</b>	Stainless steel EN-X30Cr13
	<b>Suitable for VFD</b>	Yes	<b>Cable</b>	NSSHÖU 4C*1.5mm <sup>2</sup>
	<b>Suitable for Soft Starter</b>	Yes	<b>Cable Length</b>	10m
	<b>Type, Poles</b>	Induction motor, 4 poles, IP68		
	<b>Insulation</b>	Insulation class E		
	<b>Phase / Voltage</b>	3-phase / 400V / 50Hz		
	<b>r.p.m.</b>	1410		
	<b>Motor Protector (built-in)</b>	Circle thermal cut-out		
<b>Rated Current</b>	7.90			

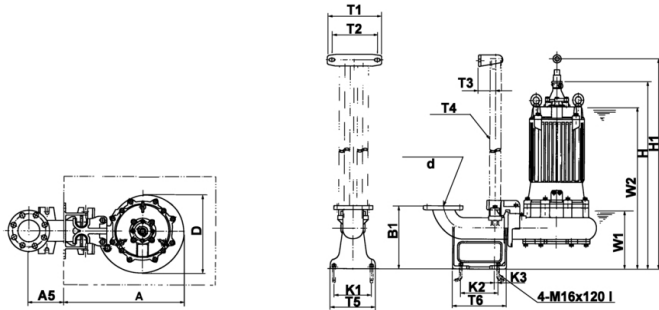
OTHERS		
<b>Dry Weight Kg</b>	86	
<b>Pressure Resistance</b>	max. 30m	

## DIMENSIONS


**DIMENSIONS - IN MM**

<b>A</b>	602	<b>D</b>	331	<b>W1</b>	235
<b>A4</b>	497	<b>H</b>	680	<b>W2</b>	635
<b>B</b>	333				

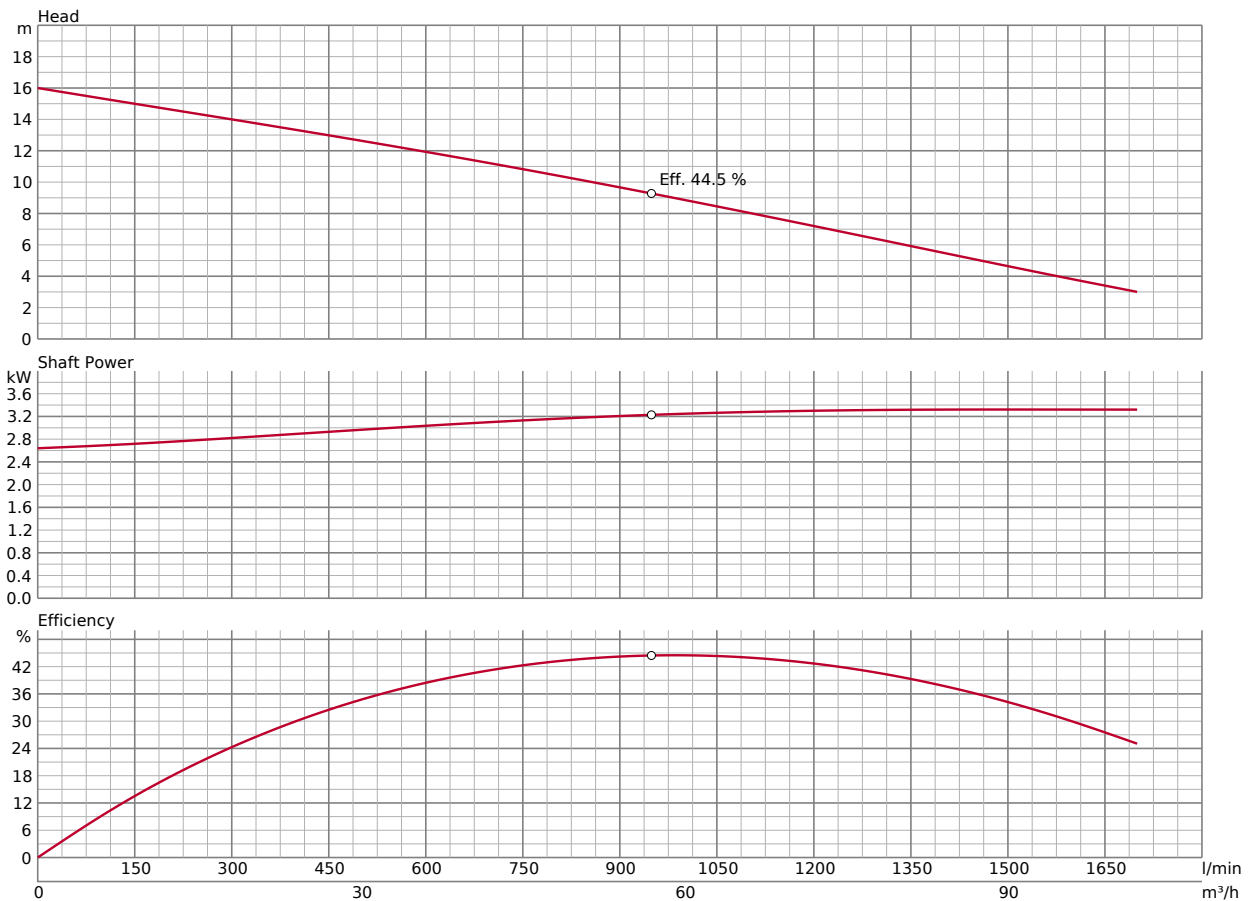
**DIMENSIONS | GUIDE RAIL FITTING TYPE**



**DIMENSIONS | GUIDE RAIL FITTING TYPE - IN MM**

<b>A</b>	490	<b>H</b>	690	<b>W1</b>	245
<b>A5</b>	165	<b>H1</b>	860	<b>W2</b>	645
<b>D</b>	339				

**PERFORMANCE CURVE**



Please mind: discharge bend, duck foot bend and stand set are accessories and must be ordered separately

## ACCESSORIES

### 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.



### FLOAT SWITCH **106-TEG-01**

Float 10m (for Sewage Pumps) from 3.7kW

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.



### FLOAT SWITCH **106-TEG-02**

Float 20m (for Sewage Pumps) from 3.7kW

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.



## ACCESSORIES

### MOTOR PROTECTION PLUGS **547151003tu**

Plug CEE 16A

#### SPECIFICATIONS

<b>Amperage Control</b>	6,3A - 10,0A	<b>IP</b>	44
<b>Cable Gland</b>	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 **547251003tu**

Plug CEE 32 A

#### SPECIFICATIONS

<b>Amperage Control</b>	6,3A - 10,0A	<b>IP</b>	44
<b>Cable Gland</b>	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



### MOTOR PROTECTION PLUGS **5571510000tu**

Plug with float connection CEE 16A

#### SPECIFICATIONS

<b>Amperage Control</b>	6,0A - 10,0A	<b>IP</b>	44
<b>Cable Gland</b>	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



## ACCESSORIES

### MOTOR PROTECTION PLUGS **557251000tu**

Plug with float connection CEE 32A

#### SPECIFICATIONS

<b>Amperage Control</b>	6,0A - 10,0A	<b>IP</b>	44
<b>Cable Gland</b>	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 **587151003**

CEE MS PW Stecker 16/5 6h 6.3-10A DFK IP67

#### SPECIFICATIONS

<b>Amperage Control</b>	6,3A - 10,0A	<b>IP</b>	67
<b>Cable Gland</b>	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 **587251003**

CEE MS PW Stecker 32/5 6h 6.3-10A DFK IP67

#### SPECIFICATIONS

<b>Amperage Control</b>	6,3A - 10,0A	<b>IP</b>	67
<b>Cable Gland</b>	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



## ACCESSORIES

### FREE STAND INSTALLATION KIT (U)XIBEND4T BEND 80-100

Discharge/elbow for vertical pumping



### GUIDE RAIL FITTING SYSTEM (U)XITOS381TA TOS3-80-100

TOS is the basic guide-rail fitting system for Tsurumi pumps up 150mm discharge bore.

