

GB 50 Hz

## Specification

Electric submersible sludge pump with a robust stand in mild steel and vortex hydraulic.  
 Protection class IP 68. Class F insulation.  
 Maximum submergence: 20 m.  
 Free passage 60 mm.

## JT 15 ND Medium head

### Electric motor

3-phase squirrel-cage induction motor, 50 Hz.  
 Motor rating  $P_2$ : 1.3 kW, S13/4D  
 Speed: 1330 rpm

Voltage, V	230	400	500
Nominal current A (1.3kW)	6.26	3.6	2.8

### Power cable

20 m type H07RN-F:  
 4G1.5 + 3x0.5 sq.mm. (230-500 V)

### Motor protection

Built-in thermal overload sensors.  
 Leakage sensor in the oil chamber indicating presence of water in the oil.

### Shaft seal

Double mechanical seal in oil bath.  
 Primary seal: Silicon carbide on silicon carbide.  
 Secondary seal: High chrome on carbon.

### Bearings

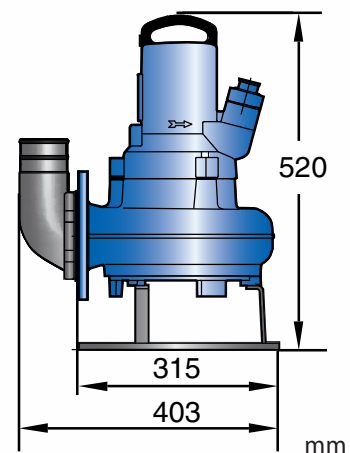
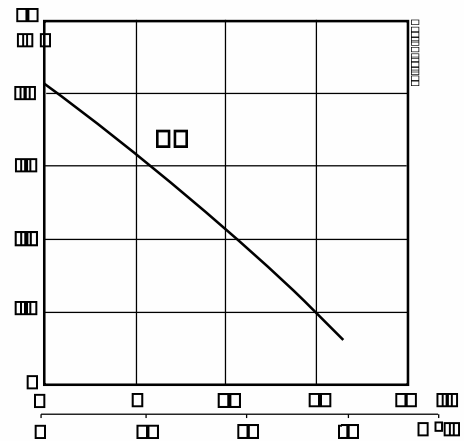
Upper bearing: Single-row deep groove ball bearing.  
 Lower bearing: Double angular contact ball bearing.

### Discharge connections

volute DN 80, 3" hose, 3" B.S.P. thread

### Weight (without cable)

47 kg



## Options and Accessories

Starter box for DOL-start.  
 Automatic level control box.  
 Zinc anodes.

Materials		EN	ASTM
Motor housing	Cast iron	EN-GJL-250	ASTM A48 35B / 40B
Fasteners	Stainless steel	10088:X5CrNi18-10 (1.4301)	AISI 304
Rotor shaft	Stainless steel	10088:X20Cr13 (1.4021)	AISI 420
Volute and impeller	Cast iron	EN-GJL-250	ASTM A48 35B / 40B
Stand	Mild steel	-	-



GB 50 Hz

## Specification

Electric submersible sludge pump with a robust stand in mild steel and vortex hydraulic.  
 Protection class IP 68. Class F insulation.  
 Maximum submergence: 20 m.  
 Free passage HD: 40 mm, ND: 60 mm.

**JT 20 HD High head**  
**JT 20 ND Medium head**

## Electric motor

3-phase squirrel-cage induction motor, 50 Hz.

**JT 20HD** Motor rating  $P_2$ : 1.7 kW, S17/2D; Speed: 2800 rpm

**JT 20ND** Motor rating  $P_2$ : 2.2 kW, S22/4D; Speed: 1380 rpm

Voltage, V	230	400	500
Nominal current A (1.7kW)	6.9	4	3.18
Nominal current A (2.2kW)	8.96	5.2	4.12

## Power cable

20 m type H07RN-F:  
 4G1.5 + 3x0.5 sq.mm. (230-500 V)

## Motor protection

Built-in thermal overload sensor.  
 Leakage sensor in the oil chamber indicating presence of water in the oil.

## Shaft seal

Double mechanical seal in oil bath.  
 Primary seal: Silicon carbide on silicon carbide.  
 Secondary seal: High chrome on carbon.

## Bearings

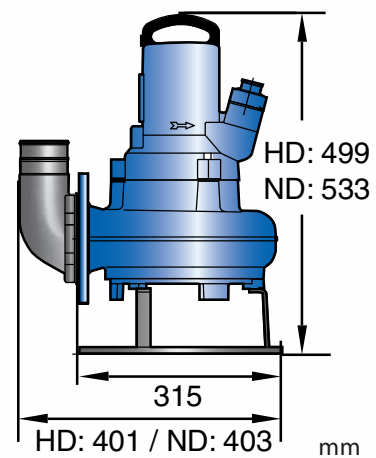
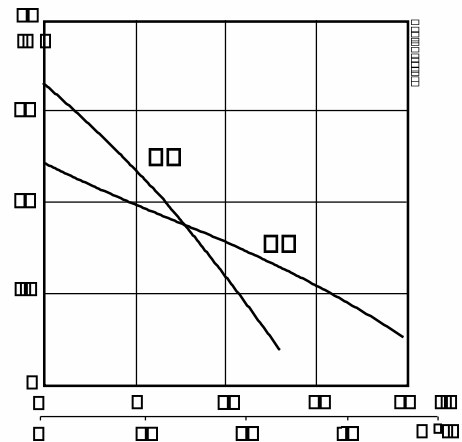
Upper bearing: Single-row deep groove ball bearing.  
 Lower bearing:  
 HD: Single row deep groove ball bearing.  
 ND: Double angular contact ball bearing.

## Discharge connections

HD: volute DN 65, 3" hose, 3" B.S.P. thread  
 ND: volute DN 80, 3" hose, 3" B.S.P. thread

## Weight (without cable)

HD: 41 kg, ND: 47 kg



## Options and Accessories

Starter box for DOL-start.  
 Automatic level control box.  
 Zinc anodes.

Materials		EN	ASTM
Motor housing	Cast iron	EN-GJL-250	ASTM A48 35B / 40B
Fasteners	Stainless steel	10088:X5CrNi18-10 (1.4301)	AISI 304
Rotor shaft	Stainless steel	10088:X20Cr13 (1.4021)	AISI 420
Volute and impeller	Cast iron	EN-GJL-250	ASTM A48 35B / 40B
Stand	Mild steel	-	-

GB 50 Hz

### Specification

Electric submersible sludge pump with a robust stand in mild steel and vortex hydraulic.  
 Protection class IP 68. Class F insulation.  
 Maximum submergence: 20 m.  
 Free passage 40 mm.

### JT 30 HD High head

#### Electric motor

3-phase squirrel-cage induction motor, 50 Hz.  
 Motor rating P<sub>2</sub>: 3.0 kW, S30/2D  
 Speed: 2835 rpm

Voltage, V	230	400	500
Nominal current A (3.0 kW)	10.8	6.2	4.98

#### Power cable

20 m type H07RN-F:  
 4G1.5 + 3x0.5 sq.mm. (230-500 V)

#### Motor protection

Built-in thermal overload sensor.  
 Leakage sensor in the oil chamber indicating presence of water in the oil.

#### Shaft seal

Double mechanical seal in oil bath.  
 Primary seal: Silicon carbide on silicon carbide.  
 Secondary seal: High chrome on carbon.

#### Bearings

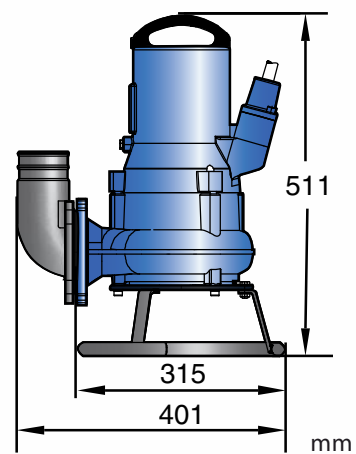
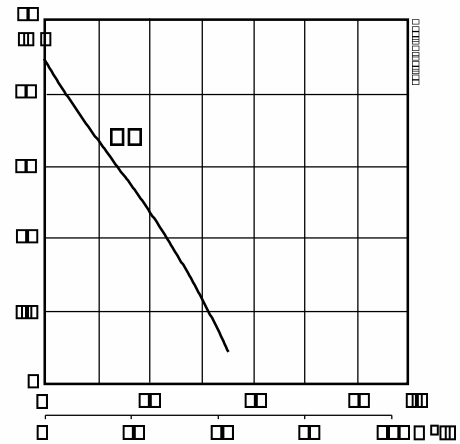
Upper bearing: Single-row deep groove ball bearing.  
 Lower bearing: Single row deep groove ball bearing.

#### Discharge connections

volute DN 65, 3" hose, 3" B.S.P. thread

#### Weight (without cable)

48 kg



#### Options and Accessories

Starter box for DOL-start.  
 Automatic level control box.  
 Zinc anodes.

Materials		EN	ASTM
Motor housing	Cast iron	EN-GJL-250	ASTM A48 35B / 40B
Fasteners	Stainless steel	10088:X5CrNi18-10 (1.4301)	AISI 304
Rotor shaft	Stainless steel	10088:X20Cr13 (1.4021)	AISI 420
Volute and impeller	Cast iron	EN-GJL-250	ASTM A48 35B / 40B
Stand	Mild steel	-	-



# ABS submersible sludge pump JT 40



GB 50 Hz

## Specification

Electric submersible sludge pump with a robust ductile iron stand and vortex hydraulic.  
 Protection class IP 68. Class F insulation.  
 Maximum submergence: 20 m.  
 Free passage 100 mm.

## JT 40 ND Medium head

### Electric motor

3-phase squirrel-cage induction motor, 50 Hz.  
 Motor rating  $P_2$ : 3.0 kW, M30/4D  
 Speed: 1370 rpm

Voltage, V	230	400	500
Nominal current A (3.0kW)	12.2	7	5.6

### Power cable

20 m type H07RN-F:  
 4G1.5 + 3x0.5 sq.mm. (230-500 V)

### Motor protection

Built-in thermal overload sensors.  
 Leakage sensor in the dry chamber indicating presence of water.

### Cooling system

Closed cooling system using water mixed with Glycol (30%).

### Shaft seal

Double mechanical seal mounted in seal cartridge for easy service.  
 Primary seal: Silicon carbide on silicon carbide.  
 Secondary seal: Silicon carbide on carbon.

### Bearings

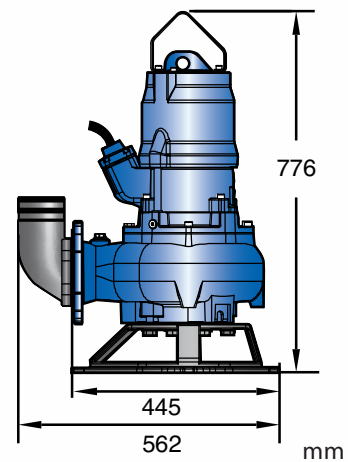
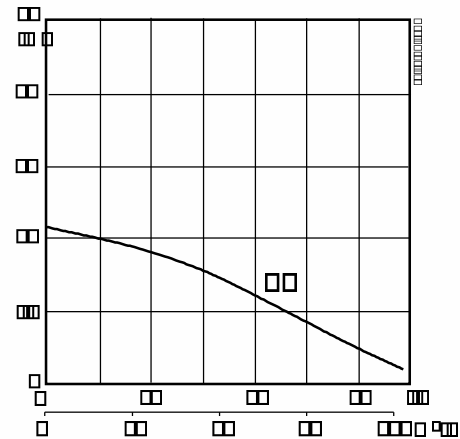
Upper bearing: Single-row deep groove ball bearing.  
 Lower bearing: Double angular contact ball bearing.

### Discharge connections

volute DN 100, 4" hose, 4" B.S.P. thread

### Weight (without cable)

111 kg



### Options and Accessories

Starter box for DOL-start.  
 Automatic level control box.  
 Zinc anodes.

Materials		EN	ASTM
Motor housing	Cast iron	EN-GJL-250	ASTM A48 35B / 40B
Fasteners	Stainless steel	10088:X5CrNi18-10 (1.4301)	AISI 304
Rotor shaft	Stainless steel	10088:X20Cr13 (1.4021)	AISI 420
Volute and impeller	Cast iron	EN-GJL-250	ASTM A48 35B / 40B
Stand	Nodular cast iron	1563:ENGJS-HB150	ASTM A 536-80: 60-40-18



GB 50 Hz

## Specification

Electric submersible sludge pump with a robust ductile iron stand and vortex hydraulic.  
 Protection class IP 68. Class F insulation.  
 Maximum submergence: 20 m.  
 Free passage HD: 65 mm, ND: 100 mm.

**JT 50 HD High head**  
**JT 50 ND Medium head**

## Electric motor

3-phase squirrel-cage induction motor, 50 Hz.

**JT 50HD** Motor rating  $P_2$ : 5.5 kW, M55/2D; Speed 2885 rpm

**JT 50ND** Motor rating  $P_2$ : 6.0 kW, M60/4D; Speed 1430 rpm

Voltage, V	230	400	500
Nominal current A (5.5kW)	18.1	10.4	8.31
Nominal current A (6.0kW)	21.8	12.5	10

## Power cable

20 m type H07RN-F:  
 10G1.5 sq.mm. (230-500 V)

## Motor protection

Built-in thermal overload sensors.  
 Leakage sensor in the dry chamber indicating presence of water.

## Cooling system

Closed cooling system using water mixed with Glycol (30%).

## Shaft seal

Double mechanical seal mounted in seal cartridge for easy service.  
 Primary seal: Silicon carbide on silicon carbide.  
 Secondary seal: Silicon carbide on carbon.

## Bearings

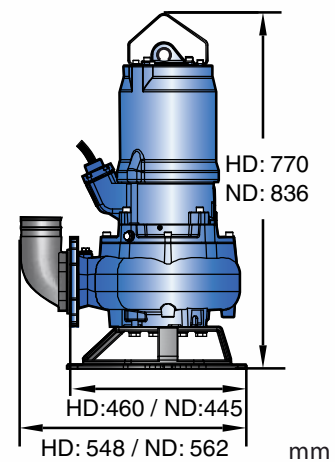
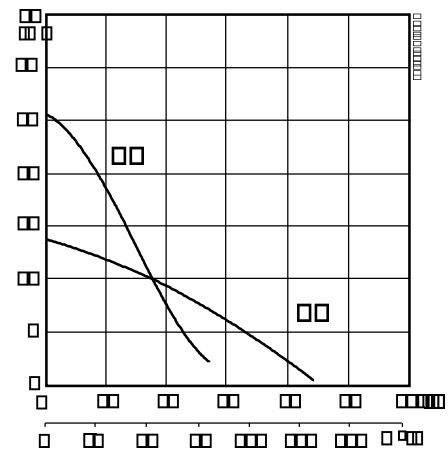
Upper bearing: Single-row deep groove ball bearing.  
 Lower bearing: Double angular contact ball bearing.

## Discharge connections

HD: volute DN 80, 3" hose, 3" B.S.P. thread  
 ND: volute DN 100, 4" hose, 4" B.S.P. thread

## Weight (without cable)

HD: 153 kg, ND: 147 kg



## Options and Accessories

DOL or Star-Delta start.  
 Automatic level control box.  
 Zinc anodes.

Materials		EN	ASTM
Motor housing	Cast iron	EN-GJL-250	ASTM A48 35B / 40B
Fasteners	Stainless steel	10088:X5CrNi18-10 (1.4301)	AISI 304
Rotor shaft	Stainless steel	10088:X20Cr13 (1.4021)	AISI 420
Volute and impeller	Cast iron	EN-GJL-250	ASTM A48 35B / 40B
Stand	Nodular cast iron	1563:ENGJS-HB150	ASTM A 536-80: 60-40-18



GB 50 Hz

## Specification

Electric submersible sludge pump with a robust ductile iron stand and vortex hydraulic.  
 Protection class IP 68. Class F insulation.  
 Maximum submergence: 20 m.  
 Free passage HD: 65 mm, ND 100 mm.

**JT 80 HD High head**  
**JT 80 ND Medium head**

## Electric motor

3-phase squirrel-cage induction motor, 50 Hz.

**JT 80HD** Motor rating  $P_2$ : 7.0 kW, M70/2D; Speed 2875 rpm

**JT 80ND** Motor rating  $P_2$ : 9.0 kW, M90/4D; Speed 1425 rpm

Voltage, V	230	400	500
Nominal current A (7 kW)	23.7	13.6	10.9
Nominal current A (9 kW)	33.7	19.4	15.5

## Power cable

20 m type H07RN-F:

**JT 80HD:** 10G1.5 sq.mm. (230 V)

**JT 80HD:** 10G1.5 sq.mm. (400-500 V)

**JT 80ND:** 10G2.5 sq.mm. (230 V)

**JT 80ND:** 10G1.5 sq.mm. (400-500 V)

## Motor protection

Built-in thermal overload sensors.

Lekage sensor in the dry chamber indicating presence of water.

## Cooling system

Closed cooling system using water mixed with Glycol (30%).

## Shaft seal

Double mechanical seal mounted in seal cartridge for easy service.

Primary seal: Silicon carbide on silicon carbide.

Secondary seal: Silicon carbide on carbon.

## Bearings

Upper bearing: Single-row deep groove ball bearing.

Lower bearing: Double angular contact ball bearing.

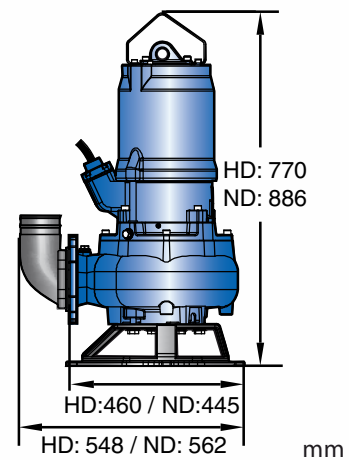
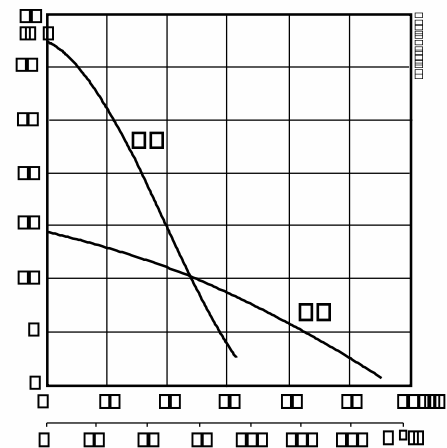
## Discharge connections

HD: volute DN 80, 4" hose, 4" B.S.P. thread

ND: volute DN 100, 4" hose, 4" B.S.P. thread

## Weight (without cable)

HD: 153kg, ND 157 kg



## Options and Accessories

DOL or Star-Delta start.

Automatic level control box.

Zinc anodes.

Materials		EN	ASTM
Motor housing	Cast iron	EN-GJL-250	ASTM A48 35B / 40B
Fasteners	Stainless steel	10088:X5CrNi18-10 (1.4301)	AISI 304
Rotor shaft	Stainless steel	10088:X20Cr13 (1.4021)	AISI 420
Volute and impeller	Cast iron	EN-GJL-250	ASTM A48 35B / 40B
Stand	Nodular cast iron	1563:ENGJS-HB150	ASTM A 536-80: 60-40-18

# ABS submersible sludge pump JT 110 POMP DIRECT

GB 50 Hz

## Specification

Electric submersible sludge pump with a robust ductile iron stand and vortex hydraulic.  
 Protection class IP 68. Class F insulation.  
 Maximum submergence: 20 m.  
 Free passage 65 mm.

## JT 110 HD High head

### Electric motor

3-phase squirrel-cage induction motor, 50 Hz.  
 Motor rating  $P_2$ : 11.0 kW, M110/2D  
 Speed: 2900 rpm

Voltage, V	230	400	500
Nominal current A (11 kW)	38.4	22.1	17.7

### Power cable

20 m type H07RN-F:  
 10G2.5 sq.mm. (230 V)  
 10G1.5 sq.mm. (400-500 V)

### Motor protection

Built-in thermal overload sensors.  
 Leakage sensor in the dry chamber indicating presence of water.

### Cooling system

Closed cooling system using water mixed with Glycol (30%).

### Shaft seal

Double mechanical seal mounted in seal cartridge for easy service.  
 Primary seal: Silicon carbide on silicon carbide.  
 Secondary seal: Silicon carbide on carbon.

### Bearings

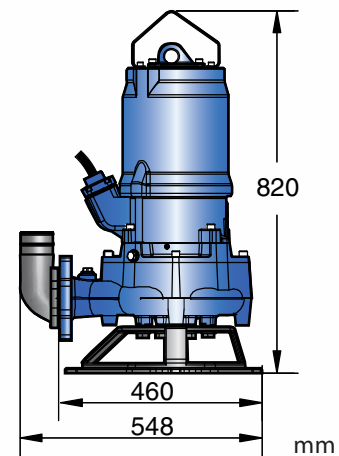
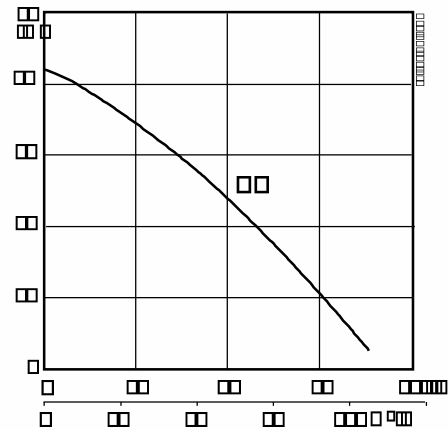
Upper bearing: Single-row deep groove ball bearing.  
 Lower bearing: Double angular contact ball bearing.

### Discharge connections

volute DN 80, 4" hose, 4" B.S.P. thread

### Weight (without cable)

165 kg



### Options and Accessories

DOL or Star-Delta start.  
 Automatic level control box.  
 Zinc anodes.

Materials		EN	ASTM
Motor housing	Cast iron	EN-GJL-250	ASTM A48 35B / 40B
Fasteners	Stainless steel	10088:X5CrNi18-10 (1.4301)	AISI 304
Rotor shaft	Stainless steel	10088:X20Cr13 (1.4021)	AISI 420
Volute and impeller	Cast iron	EN-GJL-250	ASTM A48 35B / 40B
Stand	Nodular cast iron	1563:ENGJS-HB150	ASTM A 536-80: 60-40-18



# ABS submersible sludge pump JT 160 **POMP DIRECT**

GB 50 Hz

## Specification

Electric submersible sludge pump with a robust ductile iron stand and vortex hydraulic.  
Protection class IP 68. Class F insulation.  
Maximum submergence: 20 m.  
Free passage 80 mm.

### JT 160 ND Medium head

### JT 160 LD High flow

## Electric motor

3-phase squirrel-cage induction motor, 50 Hz.  
Motor rating  $P_2$ : 16 kW, ME160/4D  
Speed: 1460 rpm

Voltage, V	230	400	500
Nominal current A (16kW)	53.8	31	24.8

## Power cable

20 m type H07RN-F:  
2x(4G4 + 2x0.75) sq.mm. (230 V)  
10G2.5 sq.mm. (400-500 V)

## Motor protection

Built-in thermal overload sensors.  
Leakage sensor in the dry chamber indicating presence of water.

## Cooling system

Closed cooling system using water mixed with Glycol (30%).

## Shaft seal

Double mechanical seal mounted in seal cartridge for easy service.

Primary seal: Silicon carbide on silicon carbide.  
Secondary seal: Silicon carbide on carbon.

## Bearings

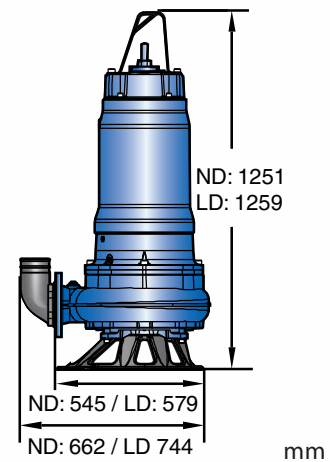
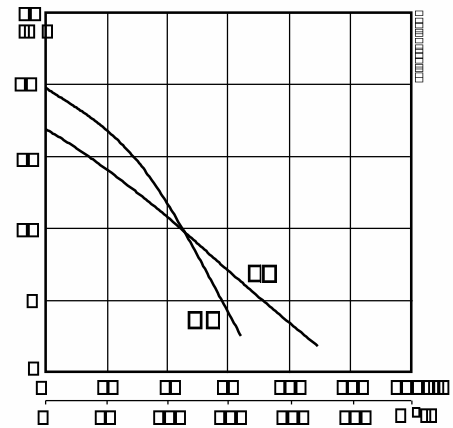
Upper bearing: Single-row deep groove ball bearing.  
Lower bearing: Double angular contact ball bearing.

## Discharge connections

ND: volute DN 100, 4" hose, 4" B.S.P. thread  
LD: volute DN 150, 6" hose, 6" B.S.P. thread

## Weight (without cable)

ND: 346 kg, LD: 358 kg



## Options and Accessories

DOL or Star-Delta start.  
Automatic level control box.  
Zinc anodes.

Materials		EN	ASTM
Motor housing	Cast iron	EN-GJL-250	ASTM A48 35B / 40B
Fasteners	Stainless steel	10088:X5CrNi18-10 (1.4301)	AISI 304
Rotor shaft	Stainless steel	10088:X20Cr13 (1.4021)	AISI 420
Volute and impeller	Cast iron	EN-GJL-250	ASTM A48 35B / 40B
Stand	Nodular cast iron	1563:ENGJS-HB150	ASTM A 536-80: 60-40-18





# ABS submersible sludge pump JT 200 POMP DIRECT

GB 50 Hz

## Specification

Electric submersible sludge pump with a robust ductile iron stand and vortex hydraulic. Protection class IP 68. Class F insulation. Maximum submergence: 20 m. Free passage HD: 64 mm, ND/LD: 80 mm.

**JT 200 HD High head.**

**JT 200 ND Medium head.**

**JT 200 LD High flow.**

## Electric motor

3-phase squirrel-cage induction motor, 50 Hz.

**JT 200HD** Motor rating  $P_2$ : 20 kW, ME200/2D; Speed: 2945 rpm

**JT 200ND** Motor rating  $P_2$ : 22 kW, ME220/4D; Speed: 1455 rpm

**JT 200LD** Motor rating  $P_2$ : 22 kW, ME220/4D; Speed: 1455 rpm

Voltage, V	230	400	500
Nominal current A (20kW)	64.4	37	29.6
Nominal current A (22 kW)	73.5	42.3	33.8

## Power cable

20 m type H07RN-F:

**JT 200 HD:** 2x(4G4 + 2x0.75) (230 V)

**JT 200 HD:** 10G2.5 sq.mm. (400-500 V)

**JT 200 ND/LD:** 2x(4G4 + 2x0.75) (230-400 V)

**JT 200 ND/LD:** 10G2.5 sq.mm. (500 V)

## Motor protection

Built-in thermal overload sensors.

Leakage sensor in the dry chamber indicating presence of water.

## Cooling system

Closed cooling system using water mixed with Glycol (30%).

## Shaft seal

Double mechanical seal mounted in seal cartridge for easy service. Primary seal: Silicon carbide on silicon carbide.

Secondary seal: Silicon carbide on carbon.

## Bearings

Upper bearing: Single-row deep groove ball bearing.

Lower bearing: Double angular contact ball bearing.

## Discharge connections

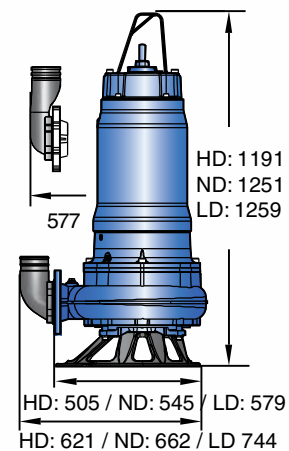
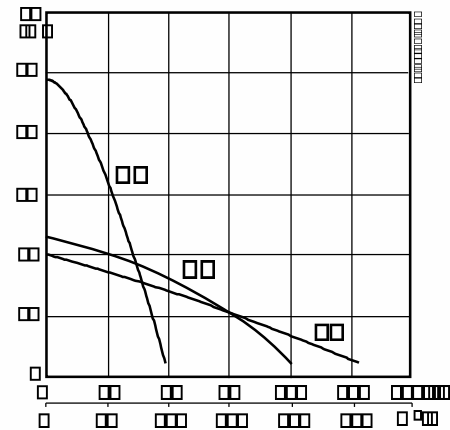
HD: volute DN 100, 4" hose, 4" B.S.P. thread

ND: volute DN 100, 4" hose, 4" B.S.P. thread

LD: volute DN 150, 6" hose, 6" B.S.P. thread

## Weight (without cable)

HD: 286 kg, ND: 351 kg, LD: 363 kg



## Options and Accessories

DOL or Star-Delta start.

Automatic level control box.

Zinc anodes.

Materials		EN	ASTM
Motor housing	Cast iron	EN-GJL-250	ASTM A48 35B / 40B
Fasteners	Stainless steel	10088:X5CrNi18-10 (1.4301)	AISI 304
Rotor shaft	Stainless steel	10088:X20Cr13 (1.4021)	AISI 420
Volute and impeller	Cast iron	EN-GJL-250	ASTM A48 35B / 40B
Stand	Nodular cast iron	1563:ENGJS-HB150	ASTM A 536-80: 60-40-18



# ABS submersible sludge pump JT 250 **POMP DIRECT**

GB 50 Hz

## Specification

Electric submersible sludge pump with a robust ductile iron stand and vortex hydraulic.  
 Protection class IP 68. Class F insulation.  
 Maximum submergence: 20 m.  
 Free passage 64 mm.

## JT 250 HD High head

### Electric motor

3-phase squirrel-cage induction motor, 50 Hz.  
 Motor rating P<sub>2</sub>: 25 kW, ME250/2D  
 Speed: 2950 rpm

Voltage, V	230	400	500
Nominal current A (25kW)	81.9	47.1	37.7

### Power cable

20 m type H07RN-F:  
 2x(4G4 + 2x0.75) sq.mm. (230-500 V)

### Motor protection

Built-in thermal overload sensors  
 Leakage sensor in the dry chamber indicating presence of water.

### Cooling system

Closed cooling system using water mixed with Glycol (30%).

### Shaft seal

Double mechanical seal mounted in seal cartridge for easy service.  
 Primary seal: Silicon carbide on silicon carbide.  
 Secondary seal: Silicon carbide on carbon.

### Bearings

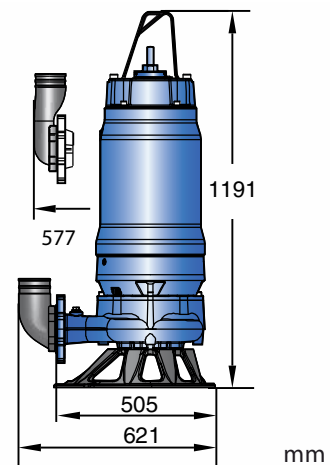
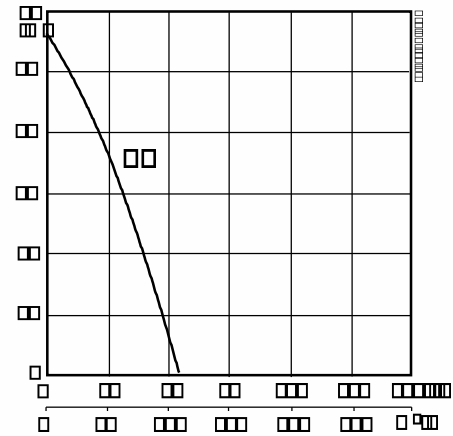
Upper bearing: Single-row deep groove ball bearing.  
 Lower bearing: Double angular contact ball bearing.

### Discharge connections

Volute DN 100, 4" hose, 4" B.S.P, thread

### Weight (without cable)

291 kg



### Options and Accessories

DOL or Star-Delta start.  
 Automatic level control box.  
 Zinc anodes.

Materials		EN	ASTM
Motor housing	Cast iron	EN-GJL-250	ASTM A48 35B / 40B
Fasteners	Stainless steel	10088:X5CrNi18-10 (1.4301)	AISI 304
Rotor shaft	Stainless steel	10088:X20Cr13 (1.4021)	AISI 420
Volute and impeller	Cast iron	EN-GJL-250	ASTM A48 35B / 40B
Stand	Nodular cast iron	1563:ENGJS-HB150	ASTM A 536-80: 60-40-18

