

ABS submersible drainage pump J 5

Specification

Electric submersible pump.
Maximum submergence: 8 m. • Protection class IP 68.
pH of the pumped medium 5-8 • Strainer hole 6 mm.

J 5 W Medium head, single-phase.

Electric Motor

Single-phase induction motor with built-in capacitor, 50Hz.
Class B insulation
Motor rating P_2 : 0.48 kW. Speed: 2690 rpm

Voltage, V	230
Nominal current, A	2.9

Power Cable

10 m type HO7RN-F: 3 x 1.0 sq.mm.

Motor Protection

Built-in thermal protector.

Shaft Seal

Double mechanical seal in oil bath with oil circulator.
Primary seal: Silicon carbide on silicon carbide.
Secondary seal: Carbon on ceramics.

Bearings

Shielded ball bearing.

Discharge Connections

2" hose connections.
2" B.S.P. threaded connections.

Weight (without cable)

9.5 kg

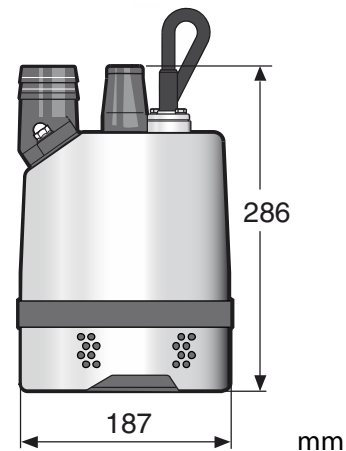
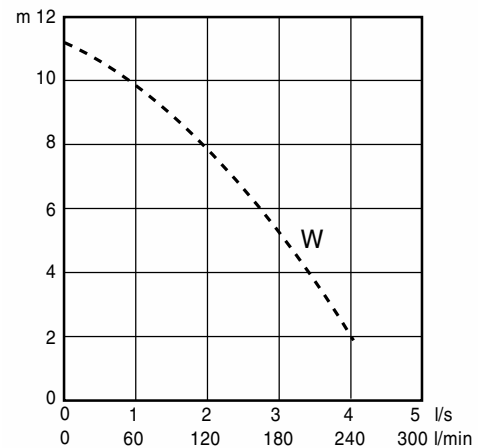
Options and Accessories

Automatic level control unit
Discharge connection accessories and hose

Materials

Castings	Aluminium
Casing	Stainless steel
Shaft	Stainless steel
Impeller	Polyurethane
Wear parts	Ethylene propylene rubber/ Polyurethane
O-rings	Nitrile rubber

GB 50 Hz



GB 50 Hz

Specification

Electric submersible pump.
 Maximum submergence: 20 m. • Protection class IP 68.
 Max temperature of pumped medium at max power input and continuous duty 40°C.
 Max medium density 1100 kg/m³. • pH of the pumped medium 5-8.
 Strainer hole 6.5 x 22 mm. • Max number of starts 30/hour.

J 12 W/WKS* Medium head, single-phase.

J 12 D/DKS* Medium head, 3-phase.

* option: built in float switch excl. 500 V

Electric Motor

Single-phase induction motor with built-in capacitor, 50Hz.
 Service factor 1.1. Class F insulation.
 Motor rating P₂: 0.9 kW. Speed: 2750 rpm

Voltage, V	110	230
Nominal current, A	10.4	5.2

3-phase squirrel-cage induction motor, 50 Hz.
 Service factor 1.1. Class F insulation.
 Motor rating P₂: 1.0 kW. Speed: 2800 rpm
 D.O.L. start with built-in contactor.

Voltage, V	230	400	500
Nominal current, A	4.0	2.3	1.9

Power Cable

20 m type HO7RN-F:
 4 x 1.5 sq.mm. (3-phase)
 3 x 1.5 sq.mm. (single-phase)

Motor Protection

Built-in thermal switches in the stator winding (140°C, ±5).

Shaft Seal

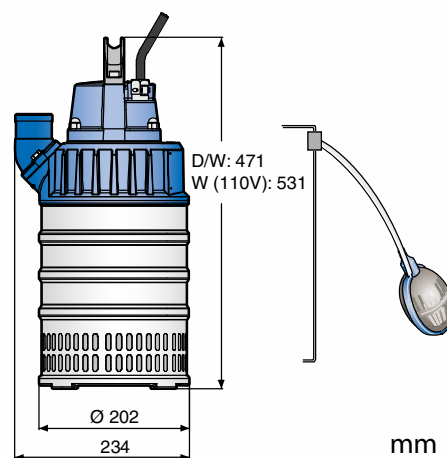
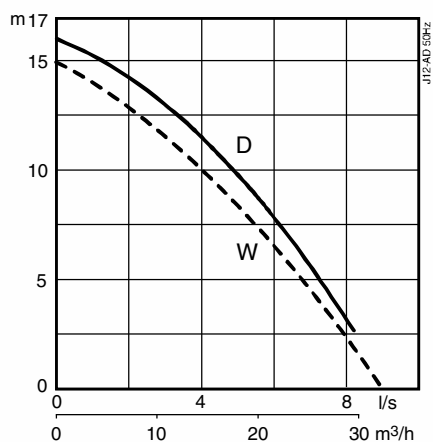
Double mechanical seal in oil bath.
 Primary seal: Silicon carbide on silicon carbide.
 Secondary seal: Silicon carbide on silicon carbide.

Bearings

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

Discharge Connections

1 1/2", 2" (standard), 2 1/2", 3" hose connections.
 2", 2 1/2", 3" B.S.P. threaded connections.



Weight (without cable)

16.0 kg

Options and Accessories

Zinc anodes • Surface protection coating • Bottom suction adapter
 Series connection • Starter and control units • Floatation ring
 Carry case • Repair kit
 Discharge connection accessories and hose

Materials		EN	ASTM
Castings:	Aluminium	EN 1706: AC-43100	ASTM AISI10mg
Casing and fasteners:	Stainless steel	10088:X5CrNi18-10 [1.4301]	AISI 304
Shaft:	Stainless steel	10088:X20Cr13 [1.4021]	AISI 420
Impeller:	White cast iron	EN1695G-X260Cr27	ASTM A 532: Alloy III A
Wear parts / O-rings:	Nitrile rubber		



GB 50 Hz

Specification

Electric submersible pump.
 Maximum submergence: 20 m. • Protection class IP 68.
 Max temperature of pumped medium at max power input and continuous duty 40°C.
 Max medium density 1100 kg/m³. • pH of the pumped medium 5-8.
 Strainer hole 6.5 x 22 mm. • Max number of starts 30/hour.

J 15 W/WKS* Medium head, single-phase.

J 15 D/DKS* Medium head, 3-phase.

* option: built in float switch excl. 500 V

Electric Motor

Single-phase induction motor with built-in start and run capacitor, 50Hz.

Service factor 1.1. Class F insulation.

Motor rating P₂: 1.4 kW. Speed: 2800 rpm

Voltage, V	230
Nominal current, A	8.1

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

Service factor 1.1. Class F insulation.

Motor rating P₂: 1.4 kW. Speed: 2800 rpm

D.O.L. start with built-in contactor.

Voltage, V	230	400	500
Nominal current, A	5.0	2.9	2.3

Power Cable

20 m type HO7RN-F:

4 x 1.5 sq.mm. (3-phase)

3 x 1.5 sq.mm. (single-phase)

Motor Protection

Built-in thermal switches in the stator winding (140°C, ±5).

Shaft Seal

Double mechanical seal in oil bath.

Primary seal: Silicon carbide on silicon carbide.

Secondary seal: Silicon carbide on silicon carbide.

Bearings

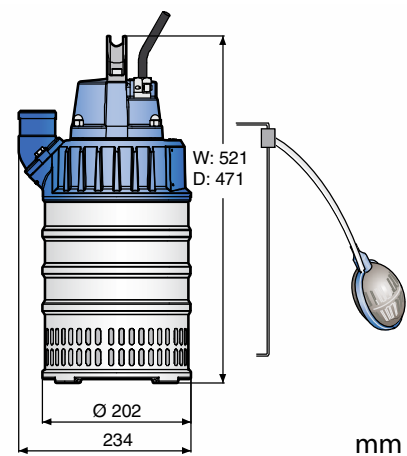
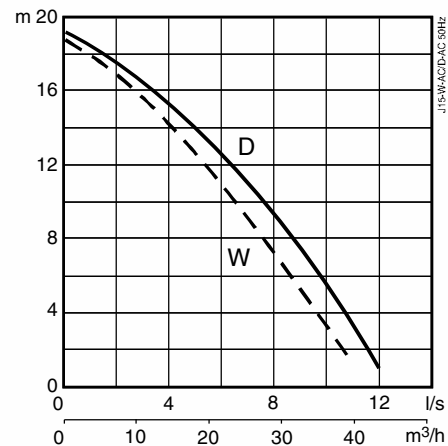
Upper bearing: Single-row deep groove ball bearing.

Lower bearing: Single-row deep groove ball bearing.

Discharge Connections

1 1/2", 2" (standard), 2 1/2", 3" hose connections.

2", 2 1/2", 3" B.S.P. threaded connections.



Weight (without cable)

D: 16.5 kg, W: 18.0 kg

Options and Accessories

Zinc anodes • Surface protection coating • Bottom suction adapter

Series connection • Starter and control units • Floatation ring

Carry case • Repair kit

Discharge connection accessories and hose

Materials		EN	ASTM
Castings	Aluminium	EN 1706: AC-43100	ASTM A1310mg
Casing and fasteners	Stainless steel	10088:X5CrNi18-10 [1.4301]	AISI 304
Shaft	Stainless steel	10088:X20Cr13 [1.4021]	AISI 420
Impeller	White cast iron	EN1695G-X260Cr27	ASTM A 532: Alloy III A
Wear parts / O-rings	Nitrile rubber		



Specification

Electric submersible pump.
 Maximum submergence: 20 m. • Protection class IP 68.
 Max temperature of pumped medium at max power input and continuous duty 40°C.
 Max medium density 1100 kg/m³. • pH of the pumped medium 5-8.
 Strainer hole 7.5 x 22 mm. • Max number of starts 30/hour.

J 24 ND Medium head, 3-phase.

J 24 HD High head, 3-phase.

Electric Motor

3-phase squirrel-cage induction motor, 50 Hz.
 Service factor 1.1. Class F insulation.
 Motor rating P₂: 2.3 kW. Speed: 2870 rpm
 D.O.L. start with built-in contactor (1000V with terminal block).

Voltage, V	230	400	500	1000
Nominal current, A	8.4	4.8	3.8	1.9

Power Cable

20 m type HO7RN-F (standard cable):
 4 x 1.5 sq.mm.

20 m type NSSHÖU.../3E (heavy duty cable):
 3x2.5+3x2.5/3E+3x1.5 (3 control cables included) (1000V)
 3x1.5+3x1.5/3E (230-500V)

Motor Protection

Built-in thermal switches in the stator windings (140°C, ±5),
 connected to built-in contactor.

Shaft Seal

Double mechanical seal in oil bath.
 Primary seal: Silicon carbide on silicon carbide.
 Secondary seal: Stainless steel on antimony treated carbon.

Bearings

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

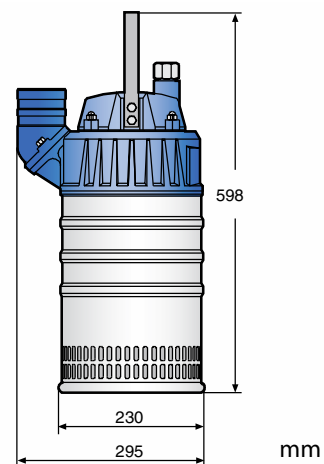
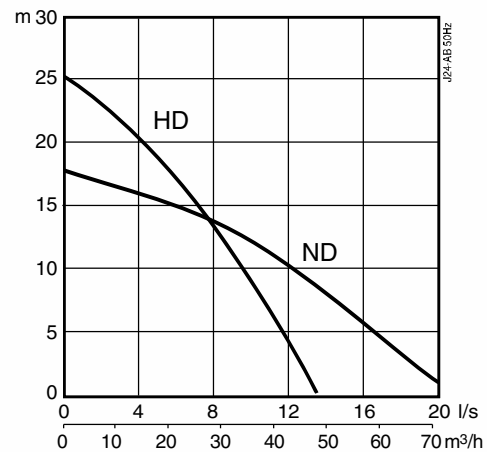
Discharge Connections

2 1/2", 3" (standard), 4" hose connections.
 2 1/2", 3", 4" B.S.P. threaded connections.

Weight (without cable)

29 kg

GB 50 Hz



Options and Accessories

Zinc anodes • Surface protection coating
 Diffuser in polyurethane • Electronic motor supervision
 Bottom suction adapter • Series connection
 Starter and control units • Automatic level control unit
 Floatation ring • Repair kit
 Discharge connection accessories and hose

Materials		EN	ASTM
Castings	Aluminium	EN 1706: AC-43100	ASTM AISI10mg
Casing / Handle / Fasteners	Stainless steel	10088:X5CrNi18-10 [1.4301]	AISI 304
Shaft	Stainless steel	10088:X20Cr13 [1.4021]	AISI 420
Impeller	White cast iron	EN1695G-X260Cr27	ASTM A 532: Alloy III A
Wear parts / O-rings	Nitrile rubber		



Specification

Electric submersible pump.
 Maximum submergence: 20 m. • Protection class IP 68.
 Max temperature of pumped medium at max power input and continuous duty 40°C.
 Max medium density 1100 kg/m³. • pH of the pumped medium 5-8.
 Strainer hole 7.5 x 22 mm. • Max number of starts 30/hour.

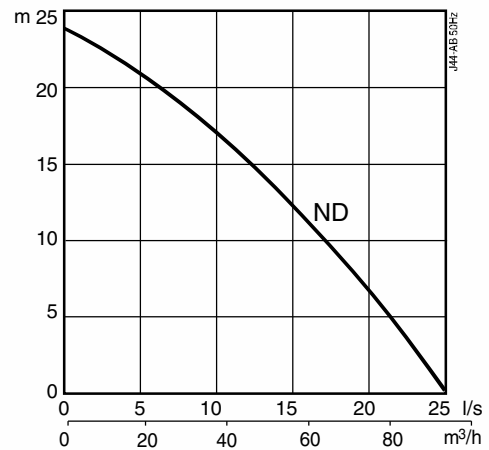
J 44 ND Medium head, 3-phase.

Electric Motor

3-phase squirrel-cage induction motor, 50 Hz.
 Service factor 1.1. Class F insulation.
 Motor rating P₂: 3.9 kW. Speed: 2870 rpm
 D.O.L. start with built-in contactor (1000V with terminal block).

Voltage, V	230	400	500	1000
Nominal current, A	14.1	8.1	6.5	3.2

GB 50 Hz



Power Cable

20 m type HO7RN-F (standard cable):
 4 x 2.5 sq.mm.

20m type NSSHÖU.../3E (heavy duty cable):
 3x2.5+3x2.5/3E+3x1.5 (3 control cables included) (1000V)
 3x1.5+3x1.5/3E (230-500V)

Motor Protection

Built-in thermal switches in the stator windings (140°C, ±5),
 connected to built-in contactor.

Shaft Seal

Double mechanical seal in oil bath.
 Primary seal: Silicon carbide on silicon carbide.
 Secondary seal: Stainless steel on antimony treated carbon.

Bearings

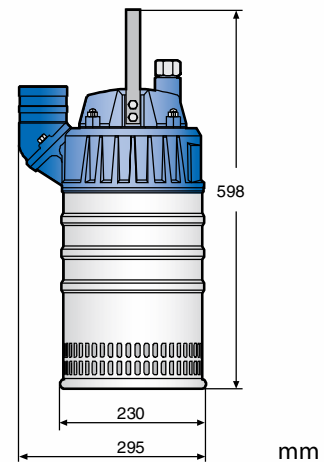
Upper bearing: Single-row deep groove ball bearing.
 Lower bearing: Double angular contact ball bearing.

Discharge Connections

2 1/2", 3" (standard), 4" hose connections.
 2 1/2", 3", 4" B.S.P. threaded connections.

Weight (without cable)

31 kg



Options and Accessories

Zinc anodes • Surface protection coating
 Diffusers in polyurethane • Electronic motor supervision
 Series connection • Starter and control units
 Automatic level control unit • Floatation ring • Repair kit
 Discharge connection accessories and hose

Materials		EN	ASTM
Castings	Aluminium	EN 1706: AC-43100	ASTM AlSi10mg
Casing / Handle / Fasteners	Stainless steel	10088:X5CrNi18-10 (1.4301)	AISI 304
Shaft	Stainless steel	10088:X20Cr13 (1.4021)	AISI 420
Impeller	White cast iron	EN1695G-X260Cr27	ASTM A 532: Alloy III A
Wear parts / O-rings	Nitrile rubber		



Specification

Electric submersible pump.
 Maximum submergence: 20 m. • Protection class IP 68.
 Max temperature of pumped medium at max power input and continuous duty 40°C.
 Max medium density 1100 kg/m³. • pH of the pumped medium 5-8.
 Strainer hole 7.5 x 22 mm. • Max number of starts 30/hour.

J 54 ND Medium head, 3-phase.

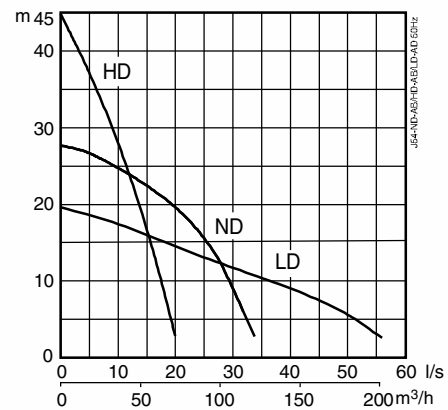
J 54 HD High head, 3-phase.

J 54 LD High flow, 3-phase.

Electric Motor

3-phase squirrel-cage induction motor, 50 Hz
 Service factor 1.1. Class F insulation.
 Motor rating P₂: 5.8 kW. Speed: 2850 rpm

Voltage, V	230	400	500	1000
Nominal current, A	21	12	9.2	4.6



Starting Method

D.O.L. start with built-in contactor (1000V with terminal block).
 D.O.L. start with built-in SoftDrive (400-460V).
 When used with VFD, pump must be equipped with terminal block instead of contactor.

Power Cable

20 m type HO7RN-F (standard cable):
 4 x 2.5 sq.mm. (230-500V)

20 m type NSSHÖU.../3E (heavy duty cable):
 3x2.5+3x2.5/3E+3x1.5 (3 control cables included) (1000V)
 3x1.5+3x1.5/3E (230-500V)

Motor Protection

Built-in thermal switches in the stator windings (140°C, ±5), connected to built-in contactor.

Shaft Seal

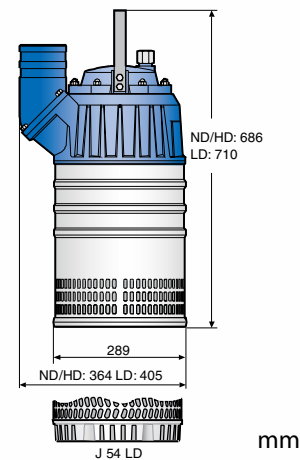
Double mechanical seal in oil bath.
 Primary seal: Silicon carbide on silicon carbide
 Secondary seal: Stainless steel on antimony treated carbon

Bearings

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

Discharge Connections

3" (standard HD), 4" (standard ND), 6" (standard LD) hose connections.
 3", 4", 6" B.S.P. threaded connections.



Weight (without cable)

50 kg

Options and Accessories

Zinc anodes • Surface protection coating
 Diffuser in polyurethane (ND+HD) • Electronic motor supervision
 Series connection • Starter and control units
 Automatic level control unit • Floatation ring • Repair kit
 Discharge connection accessories and hose

Materials		EN	ASTM
Castings	Aluminium	EN 1706: AC-43100	ASTM AlSi10mg
Casing / Handle / Fasteners	Stainless steel	10088:X5CrNi18-10 (1.4301)	AISI 304
Shaft	Stainless steel	10088:X20Cr13 (1.4021)	AISI 420
Impeller LD	Hardened chrome steel	10088:X30Cr13 (1.4028)	AISI 420
Impeller ND, HD:	White cast iron	EN1695G-X260Cr27	ASTM A 532: Alloy III A
Wear parts / O-rings	Nitrile rubber		

GB 50 Hz

Specification

Electric submersible pump.
 Maximum submergence: 20 m. • Protection class IP 68.
 Max temperature of pumped medium at max power input and continuous duty 40°C.
 Max medium density 1100 kg/m³. • pH of the pumped medium 5-8.
 Strainer hole 7.5 x 22 mm. • Max number of starts 30/hour.

J 84 ND Medium head, 3-phase.

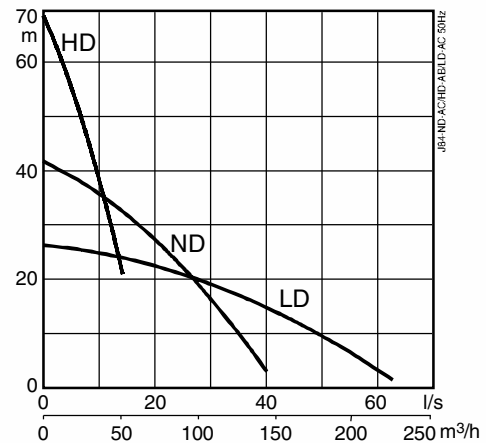
J 84 HD High head, 3-phase.

J 84 LD High flow, 3-phase.

Electric Motor

3-phase squirrel-cage induction motor, 50 Hz.
 Service factor 1.1. Class F insulation.
 Motor rating P₂: 9.4 kW. Speed: 2850 rpm

Voltage, V	230	400	500	1000
Nominal current, A	31	18	14	7



Starting Method

D.O.L. start with built-in contactor (1000V with terminal block).
 D.O.L. start with built-in SoftDrive (400-460V).
 When used with VFD, pump must be equipped with terminal block instead of contactor.

Power Cable

20 m type HO7RN-F (standard cable):
 4 x 4 sq.mm. (230-400 V)
 4 x 2.5 sq.mm. (500 V)

20 m type NSSHÖU.../3E (heavy duty cable):
 3x2.5+3x2.5/3E+3x1.5 (3 control cables included) (1000V)
 3x2.5+3x2.5/3E (230-500V)

Motor Protection

Built-in thermal switches in the stator windings (140°C, ±5), connected to built-in contactor

Shaft Seal

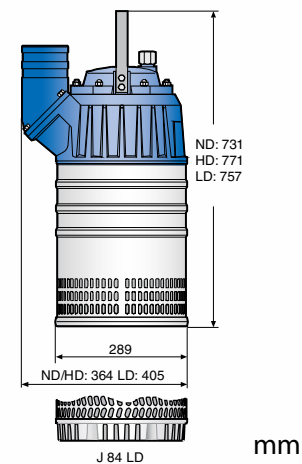
Double mechanical seal in oil bath.
 Primary seal: Silicon carbide on silicon carbide.
 Secondary seal: Stainless steel on antimony treated carbon.

Bearings

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

Discharge Connections

3" (standard HD), 4" (standard ND), 6" (standard LD) hose connections.
 3", 4", 6" B.S.P. threaded connections.



Weight (without cable)

ND/LD: 70 kg, HD: 75 kg

Options and Accessories

Zinc anodes • Surface protection coating
 Diffuser in polyurethane (ND) • Electronic motor supervision
 Series connection • Starter and control units
 Automatic level control unit • Floatation system • Repair kit
 Discharge connection accessories and hose

Materials		EN	ASTM
Castings	Aluminium	EN 1706: AC-43100	ASTM AlSi10mg
Casing / Handle / Fasteners	Stainless steel	10088:X5CrNi18-10 (1.4301)	AISI 304
Shaft	Stainless steel	10088:X20Cr13 (1.4021)	AISI 420
Impeller LD	Hardened chrome steel	10088:X30Cr13 (1.4028)	AISI 420
Impeller ND, HD	White cast iron	EN1695G-X260Cr27	ASTM A 532: Alloy III A
Wear parts / O-rings	Nitrile rubber		



ABS submersible drainage pump J 205 **POMP DIRECT**

GB 50 Hz

Specification

Electric submersible pump.
 Maximum submergence: 20 m. • Protection class IP 68.
 Max temperature of pumped medium at max power input and continuous duty 40°C.
 Max medium density 1100 kg/m³. • pH of the pumped medium 5-8.
 Strainer hole 8 x 34 mm. • Max number of starts 30/hour.

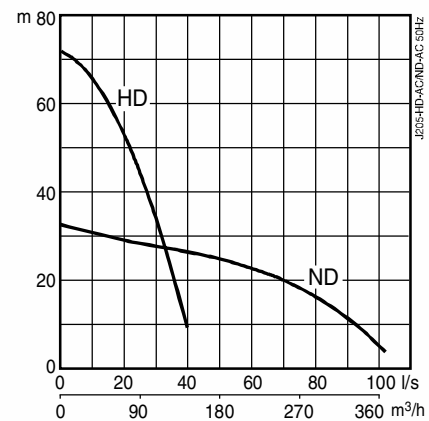
J 205 ND Medium head, 3-phase.

J 205 HD High head, 3-phase.

Electric Motor

3-phase squirrel-cage induction motor, 50 Hz.
 Service factor 1.1. Class F insulation.
 Motor rating P₂: 21.0 kW. Speed: 2930 rpm

Voltage, V	230	400	500	1000
Nominal current, A	68	39	31	16



Starting Method

D.O.L. start with built-in contactor (1000V with terminal block).
 D.O.L. start with built-in SoftDrive (400-460V).
 Star-Delta start with built-in terminal block.
 When used with VFD, pump must be equipped with terminal block instead of contactor.

Power Cable

20 m type HO7RN-F (standard cable):
 4 x 10 sq.mm. (400-500V D.O.L.-start)
 4 x 16 sq.mm. (230V D.O.L.-start)
 2-4 x 6 sq.mm. + 4 x 1.5 sq.mm. (400-500V star-delta start)
 2-4 x 10 sq.mm. + 4 x 1.5 sq.mm. (230V star-delta start)

20 m type NSSHÖU.../3E (heavy duty cable):
 3x6+3x6/3E+3x1.5 (3 control cables included) (1000V D.O.L.-start)
 3x10+3x10/3E+3x2.5 (3 control cables incl.) (400-500V D.O.L.-start)

Motor Protection

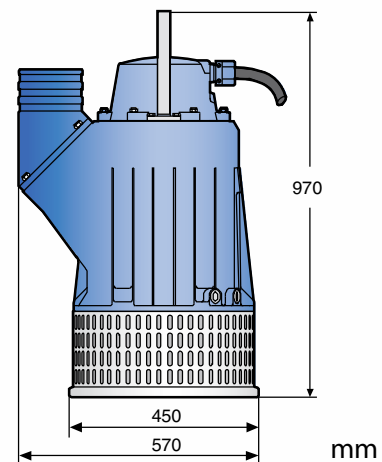
Built-in thermal switches in the stator windings (140°C, ±5), connected to built-in contactor, SoftDrive or to separate control box.
 DI leakage sensor as option, but not in combination with built-in contactor or SoftDrive.

Shaft Seal

Double mechanical seal in oil bath, mounted in seal cartridge for easy service.
 Primary seal: Silicon carbide on silicon carbide.
 Secondary seal: Silicon carbide on antimony treated carbon.

Bearings

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



Discharge Connections

4" (standard HD), 6" (standard ND), 8" hose connections.
 4", 6", 8" B.S.P. threaded connections.

Weight (without cable)

155 kg

Options and Accessories

Zinc anodes • Surface protection coating
 Wear plate in polyurethane • Electronic motor supervision
 Series connection • Starter and control units
 Automatic level control unit • Floatation system • Repair kit
 Discharge connection accessories and hose

Materials		EN	ASTM
Casing and castings	Aluminium	EN 1706: AC-43100	ASTM AISI10mg
Strainer / Handle / Fasteners	Stainless steel	10088:X5CrNi18-10 (1.4301)	AISI 304
Shaft	Stainless steel	10088:X20Cr13 (1.4021)	AISI 420
Impeller ND	Hardened chrome steel	10088:X30Cr13 (1.4028)	AISI 420
Impeller HD	White cast iron	EN 1695G-X260Cr27	ASTM A 532: Alloy III A
Wear parts / O-rings	Nitrile rubber		



ABS submersible drainage pump J 405 **POMP DIRECT**

GB 50 Hz

Specification

Electric submersible pump.
 Maximum submergence: 20 m. • Protection class IP 68.
 Max temperature of pumped medium at max power input and continuous duty 40°C.
 Max medium density 1100 kg/m³. • pH of the pumped medium 5-8.
 Strainer hole 8 x 34 mm. • Max number of starts 30/hour.

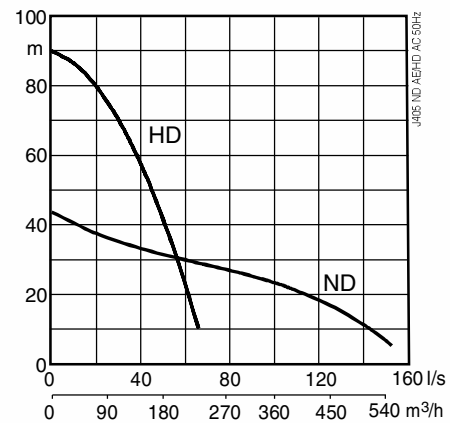
J 405 ND Medium head, 3-phase.

J 405 HD High head, 3-phase.

Electric Motor

3-phase squirrel-cage induction motor, 50 Hz.
 Service factor 1.1. Class F insulation.
 Motor rating P₂: 35.0 kW. Speed: 2930 rpm

Voltage, V	230	400	500	1000
Nominal current, A	108	62	50	25



Starting method

D.O.L. start with built-in contactor (230-500V).
 D.O.L. start with built-in terminal block (230-1000V).
 Star-Delta start with built-in terminal block.
 When used with VFD, pump must be equipped with terminal block instead of contactor.

Power Cable

20 m type HO7RN-F (standard cable):
 4x16 sq.mm. (400-500V DOL-start with contactor)
 4x16 sq.mm. + 4x1.5 sq.mm. (400-500V DOL-start with terminal block)
 2-4x25 sq.mm. + 4x1.5 sq.mm. (230V star-delta start)
 2-4x10 sq.mm. + 4x1.5 sq.mm. (400-500V star-delta start)

20 m type NSSHÖU.../3E (heavy duty cable):
 3x6+3x6/3E+3x1.5 (3 control cables included) (1000V D.O.L.-start)
 3x16+3x16/3E+3x2.5 (3 control cables incl.) (400-500V D.O.L.-start)

Motor Protection

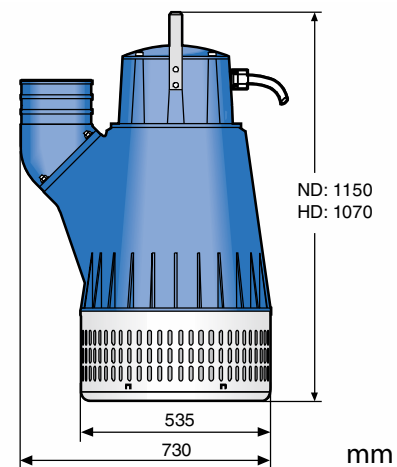
Built-in thermal switches in the stator windings (140°C, ±5), connected to built-in contactor or to separate control box. DI leakage sensor as option, but not in combination with built-in contactor.

Shaft Seal

Double mechanical seal in oil bath, mounted in seal cartridge for easy service.
 Primary seal: Silicon carbide on silicon carbide.
 Secondary seal: Silicon carbide on antimony treated carbon.

Bearings

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



Discharge Connections

4" (HD standard), 6", 8" (ND standard) hose connections.
 4", 6", 8" B.S.P. threaded connections.

Weight (without cable)

270 kg

Options and Accessories

Zinc anodes • Surface protection coating
 Wear plate in polyurethane • Series connection (HD)
 Starter and control units • Automatic level control unit
 Floatation system • Repair kit
 Discharge connection accessories and hose

Materials		EN	ASTM
Casing and castings	Aluminium	EN 1706: AC-43100	ASTM AISI10mg
Strainer / Handle / Fasteners	Stainless steel	10088:X5CrNi18-10 (1.4301)	AISI 304
Shaft	Stainless steel	10088:X20Cr13 (1.4021)	AISI 420
Impeller	Hardened chrome steel	10088:X30Cr13 (1.4028)	AISI 420
Wear parts / O-rings	Nitrile rubber		



ABS submersible drainage pump J 604 **POMP DIRECT**

GB 50 Hz

Specification

Electric submersible pump.
 Maximum submergence: 20 m. • Protection class IP 68.
 Max temperature of pumped medium at max power input and continuous duty 40°C.
 Max medium density 1100 kg/m³. • pH of the pumped medium 5-8.
 Strainer hole 12 x 60 mm. • Max number of starts 30/hour.

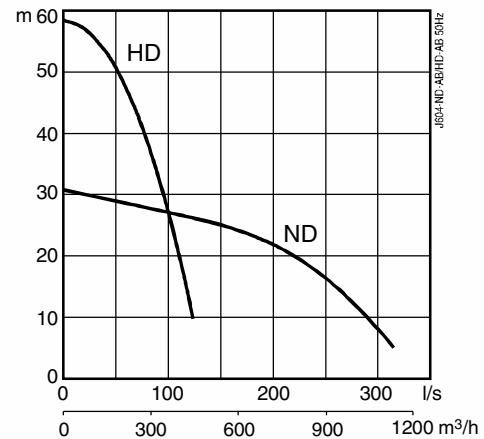
J 604 ND Medium head, 3-phase.

J 604 HD High head, 3-phase.

Electric Motor

3-phase squirrel-cage induction motor, 50 Hz.
 Service factor 1.1. Class F insulation.
 Motor rating P₂: 56.0 kW. Speed: 1450 rpm

Voltage, V	230	400	500	1000
Nominal current, A	184	106	84	42



Starting Method

D.O.L. start with built-in terminal block.
 Star-Delta start with built-in terminal block.
 When used with VFD, pump must be equipped with terminal block.

Power Cable

20 m type HO7RN-F (standard cable):
 2-4x35 sq.mm.+A07RN-F 7x1.5 sq.mm. (230V star-delta start)
 2-4x16 sq.mm.+A07RN-F 7x1.5 sq.mm. (400-500V star-delta start)
 4x35 sq.mm.+A07RN-F 7x1.5 sq.mm. (400-500V D.O.L. start)

20 m type NSSHÖU.../3E (heavy duty cable):
 3x10+3x10/3E+3x2.5 (3 control cables included) (1000V D.O.L.-start)
 3x25+3x16/3E+3x2.5 (3 control cables included) (400V D.O.L.-start)

Motor Protection

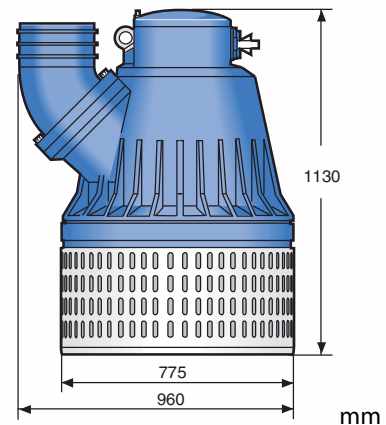
Built-in thermal switches in the stator winding (140°C, ±5).
 DI leakage sensor in the junction box, DI leakage sensor in the oil chamber, thermal sensors at upper (120°C) and lower (90°C) bearing connected to a separate starter and control unit.

Shaft Seal

Double mechanical seal in oil bath.
 Primary seal: Silicon carbide on silicon carbide.
 Secondary seal: Carbon on stainless steel.

Bearings

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



Discharge Connections

6" (standard HD), 8", 10" (standard ND) hose connections.
 6", 8" B.S.P. threaded connections.

Weight (without cable)

525 kg

Options and Accessories

Zinc anodes • Surface protection coating
 Wear plate in polyurethane • Series connection (HD)
 Starter and control units • Automatic level control unit
 Floatation system • Repair kit
 Discharge connection accessories and hose

Materials		EN	ASTM
Casing and castings	Aluminium	EN 1706: AC-43100	ASTM A1S10mg
Strainer and fasteners	Stainless steel	10088:X5CrNi18-10 (1.4301)	AISI 304
Shaft	Stainless steel	10088:X20Cr13 (1.4021)	AISI 420
Impeller	Hardened chrome steel	10088:X30Cr13 (1.4028)	AISI 420
Wear parts / O-rings	Nitrile rubber		



ABS submersible drainage pump JC 24 **POMPDIRECT**

Specification

Electric submersible pump.
 Maximum submergence: 20 m. • Protection class IP 68.
 Max temperature of pumped medium at max power input and continuous duty 40°C.
 Max medium density 1100 kg/m³. • pH of the pumped medium 5-8.
 Strainer hole 7.5 x 22 mm. • Max number of starts 30/hour.

JC 24 ND Medium head, 3-phase.

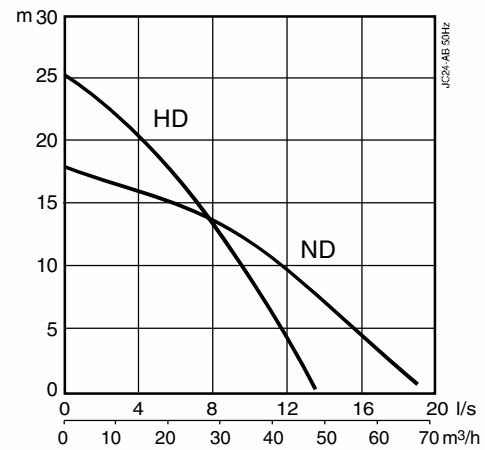
JC 24 HD High head, 3-phase.

Electric Motor

3-phase squirrel-cage induction motor, 50 Hz.
 Service factor 1.1. Class F insulation.
 Motor rating P₂: 2.3 kW. Speed: 2870 rpm
 D.O.L. start with built-in contactor.

Voltage, V	230	400	500
Nominal current, A	8.4	4.8	3.8

GB 50 Hz



Power Cable

20 m type HO7RN-F (standard cable):
 4 x 1.5 sq.mm.

20m type NSSHÖU.../3E (heavy duty cable):
 3x1.5+3x1.5/3E (230-500V)

Motor Protection

Built-in thermal switches in the stator windings (140°C, ±5),
 connected to built-in contactor.

Shaft Seal

Double mechanical seal in oil bath.
 Primary seal: Silicon carbide on silicon carbide
 Secondary seal: Stainless steel on antimony treated carbon.

Bearings

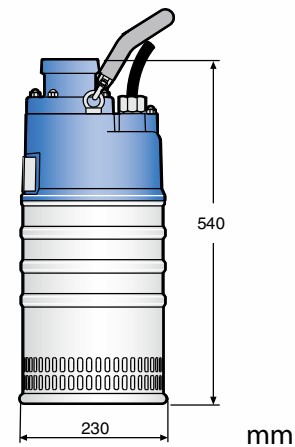
Upper bearing: Single-row deep groove ball bearing.
 Lower bearing: Double angular contact ball bearing.

Discharge Connections

3" B.S.P. threaded connections.

Weight (without cable)

29 kg



Options and Accessories

Zinc anodes • Surface protection coating
 Diffuser in polyurethane • Electronic motor supervision
 Bottom suction adapter • Series connection
 Starter and control units • Automatic level control unit
 Floatation ring • Repair kit
 Discharge connection accessories and hose

Materials

		EN	ASTM
Castings	Aluminium	EN 1706: AC-43100	ASTM AlSi10mg
Casing and fasteners	Stainless steel	10088:X5CrNi18-10 (1.4301)	AISI 304
Shaft	Stainless steel	10088:X20Cr13 (1.4021)	AISI 420
Impeller	White cast iron	EN1695G-X260Cr27	ASTM A 532: Alloy III A
Wear parts / O-rings	Nitrile rubber		



ABS submersible drainage pump JC 34 **POMPDIRECT**

GB 50 Hz

Specification

Electric submersible pump.
 Maximum submergence: 20 m. • Protection class IP 68.
 Max temperature of pumped medium at max power input and continuous duty 40°C.
 Max medium density 1100 kg/m³. • pH of the pumped medium 5-8.
 Strainer hole 8 x 33 mm. • Max number of starts 30/hour. .

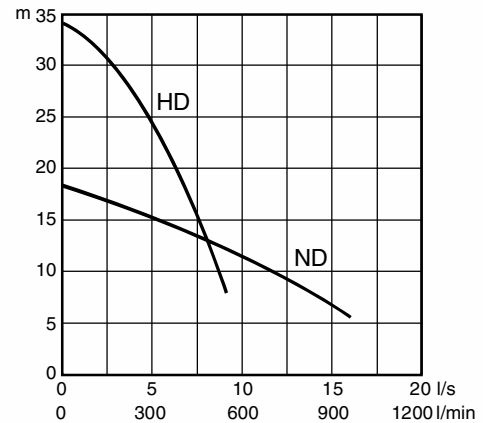
JC 34 ND Medium head, 3-phase.

JC 34 HD High head, 3-phase.

Electric Motor

3-phase squirrel-cage induction motor, 50 Hz.
 Service factor 1.1. Class F insulation.
 Motor rating P₂: 3.0 kW. Speed: 2850 rpm
 D.O.L. start with built-in contactor

Voltage, V	230	400	500
Nominal current, A	12.7	7.3	5.5



Power Cable

20 m type HO7RN-F (standard cable):
 4 x 1.5 sq.mm.

20 m type NSSHÖU.../3E (heavy duty cable):
 3x1.5+3x1.5/3E

Motor Protection

Built-in thermal switches in the stator windings (140°C, ±5),
 connected to built-in contactor.

Shaft Seal

Double mechanical seal in oil bath.
 Primary seal: Silicon carbide on silicon carbide.
 Secondary seal: Stainless steel on antimony treated carbon.

Bearings

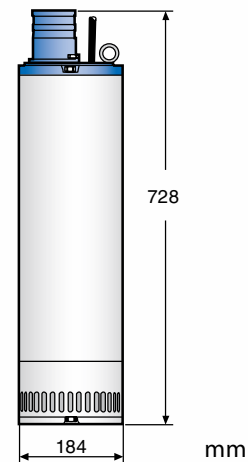
Upper bearing: Single-row deep groove ball bearing.
 Lower bearing: Double angular contact ball bearing.

Discharge Connections

2" (standard HD), 3" (standard ND) hose connections
 2", 3" B.S.P. threaded connections.

Weight (without cable)

31 kg



Options and Accessories

Zinc anodes • Surface protection coating
 Starter and control units • Automatic level control unit • Repair kit
 Discharge connection accessories and hose

Materials		EN	ASTM
Castings	Aluminium	EN 1706: AC-43100	ASTM A13110mg
Casing	Aluminium	AW5754	ASTM AA 5754
Fasteners	Stainless steel	10088:X5CrNi18-10 (1.4301)	AISI 304
Shaft	Stainless steel	10088:X20Cr13 (1.4021)	AISI 420
Impeller	Hardened chrome steel	10088:X30Cr13 (1.4028)	AISI 420
Wear parts / O-rings	Nitrile rubber		



ABS submersible drainage pump JC 44 **POMPDIRECT**

Specification

Electric submersible pump.
 Maximum submergence: 20 m. • Protection class IP 68.
 Max temperature of pumped medium at max power input and continuous duty 40°C.
 Max medium density 1100 kg/m³. • pH of the pumped medium 5-8.
 Strainer hole 7.5 x 22 mm. • Max number of starts 30/hour.

JC 44 ND Medium head, 3-phase.

Electric Motor

3-phase squirrel-cage induction motor, 50 Hz.
 Service factor 1.1. Class F insulation.
 Motor rating P₂: 3.9 kW. Speed: 2870 rpm
 D.O.L. start with built-in contactor.

Voltage, V	230	400	500
Nominal current, A	14.1	8.1	6.5

Power Cable

20 m type HO7RN-F (standard cable):
 4 x 2.5 sq.mm.

20m typeNSSHÖU.../3E (heavy duty cable):
 3x1.5+3x1.5/3E (230-500V)

Motor Protection

Built-in thermal switches in the stator windings (140°C, ±5),
 connected to built-in contactor.

Shaft Seal

Double mechanical seal in oil bath.
 Primary seal: Silicon carbide on silicon carbide.
 Secondary seal: Stainless steel on antimony treated carbon.

Bearings

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

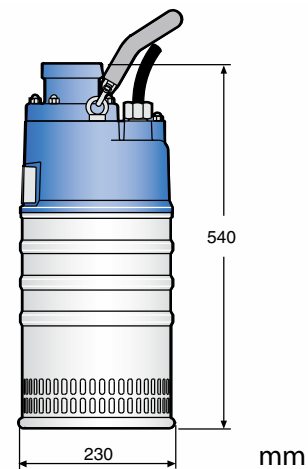
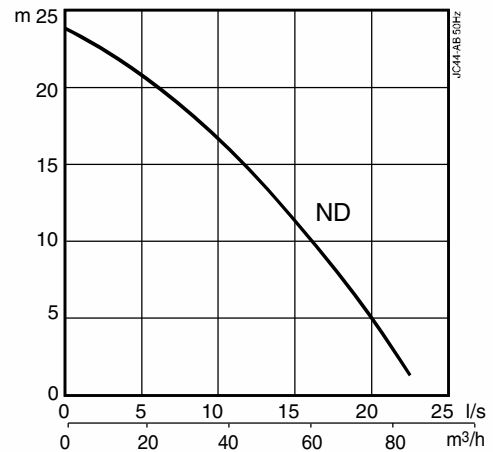
Discharge Connections

3" B.S.P. threaded connections.

Weight (without cable)

31 kg

GB 50 Hz



Options and Accessories

Zinc anodes • Surface protection coating
 Diffuser in polyurethane • Electronic motor supervision
 Series connection • Starter and control units
 Automatic level control unit • Floatation ring • Repair kit
 Discharge connection accessories and hose

Materials		EN	ASTM
Castings	Aluminium	EN 1706: AC-43100	ASTM AISI10mg
Casing and fasteners	Stainless steel	10088:X5CrNi18-10 [1.4301]	AISI 304
Shaft	Stainless steel	10088:X20Cr13 [1.4021]	AISI 420
Impeller	White cast iron	EN1695G-X260Cr27	ASTM A 532:Alloy III A
Wear parts / O-rings	Nitrile rubber		



ABS submersible drainage pump JC 54 **POMP DIRECT**

GB 50 Hz

Specification

Electric submersible pump.
 Maximum submergence: 20 m. • Protection class IP 68.
 Max temperature of pumped medium at max power input and continuous duty 40°C.
 Max medium density 1100 kg/m³. • pH of the pumped medium 5-8.
 Strainer hole 7.5 x 22 mm. • Max number of starts 30/hour.

JC 54 ND Medium head, 3-phase.

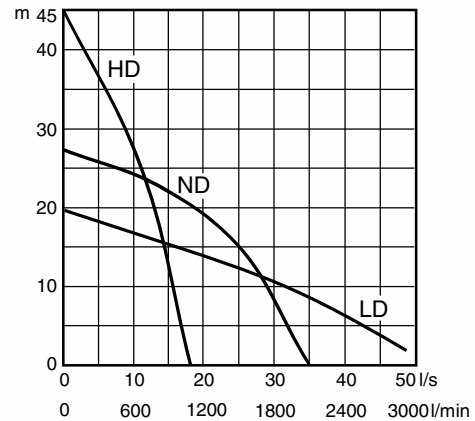
JC 54 HD High head, 3-phase.

JC 54 LD High flow, 3-phase.

Electric Motor

3-phase squirrel-cage induction motor, 50 Hz.
 Service factor 1.1. Class F insulation.
 Motor rating P₂: 5.8 kW. Speed: 2850 rpm

Voltage, V	230	400	500
Nominal current, A	21	12	9.2



Starting Method

D.O.L. start with built-in contactor.
 D.O.L. start with built-in SoftDrive (400-460V).
 When used with VFD, pump must be equipped with terminal block instead of contactor.

Power Cable

20 m type HO7RN-F (standard cable):
 4 x 2.5 sq.mm. (230-500V)

20m NSSHÖU.../3E (heavy duty cable):
 3x1.5+3x1.5/3E (230-500V)

Motor Protection

Built-in thermal switches in the stator windings (140°C, ±5), connected to built-in contactor.

Shaft Seal

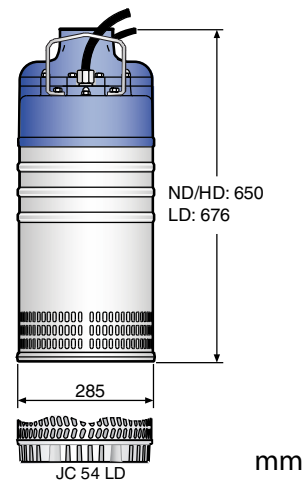
Double mechanical seal in oil bath.
 Primary seal: Silicon carbide on silicon carbide.
 Secondary seal: Stainless steel on antimony treated carbon.

Bearings

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

Discharge Connections

3" (standard HD), 4" (standard ND, LD)
 B.S.P. threaded connections.



Weight (without cable)

50 kg

Options and Accessories

Zinc anodes • Surface protection coating
 Diffuser in polyurethane (ND+HD) • Electronic motor supervision
 Series connection • Starter and control units
 Automatic level control unit • Floatation ring • Repair kit
 Discharge connection accessories and hose

Materials		EN	ASTM
Castings	Aluminium	EN 1706: AC-43100	ASTM AISI10mg
Casing and fasteners	Stainless steel	10088:X5CrNi18-10 [1.4301]	AISI 304
Shaft	Stainless steel	10088:X20Cr13 [1.4021]	AISI 420
Impeller LD	Hardened chrome steel	10088:X30Cr13 [1.4028]	AISI 420
Impeller ND, HD	White cast iron	EN1695G-X260Cr27	ASTM A 532: Alloy III A
Wear parts / O-rings	Nitrile rubber		



ABS submersible drainage pump JC 84 **POMP DIRECT**

GB 50 Hz

Specification

Electric submersible pump.
 Maximum submergence: 20 m. • Protection class IP 68.
 Max temperature of pumped medium at max power input and continuous duty 40°C.
 Max medium density 1100 kg/m³. • pH of the pumped medium 5-8.
 Strainer hole 7.5 x 22 mm. • Max number of starts 30/hour.

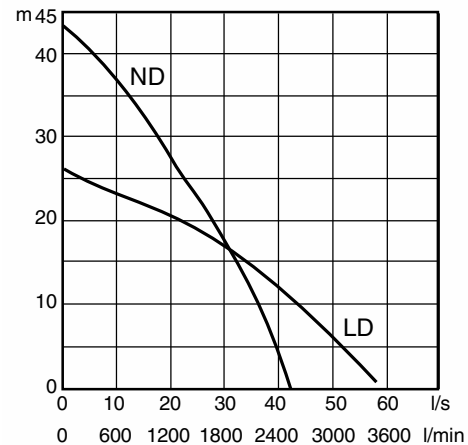
JC 84 ND Medium head, 3-phase.

JC 84 LD High flow, 3-phase.

Electric Motor

3-phase squirrel-cage induction motor, 50 Hz
 Service factor 1.1. Class F insulation.
 Motor rating P₂: 9.4 kW. Speed: 2850 rpm

Voltage, V	230	400	500
Nominal current, A	31	18	14



Starting Method

D.O.L. start with built-in contactor.
 D.O.L. start with built-in SoftDrive (400-460V).
 When used with VFD, pump must be equipped with terminal block instead of contactor.

Power Cable

20 m type HO7RN-F (standard cable):
 4 x 4 sq.mm. (230-400 V)
 4 x 2.5 sq.mm. (500 V)

20 m type NSSHÖU.../3E (heavy duty cable):
 3x2.5+3x2.5/3E (230-500V)

Motor Protection

Built-in thermal switches in the stator windings (140°C, ±5), connected to built-in contactor.

Shaft Seal

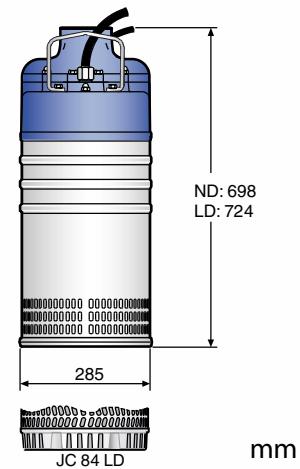
Double mechanical seal in oil bath.
 Primary seal: Silicon carbide on silicon carbide.
 Secondary seal: Silicon steel on antimony treated carbon.

Bearings

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

Discharge Connections

3", 4" (standard) B.S.P. threaded connections.



Weight (without cable)

70 kg

Options and Accessories

Zinc anodes • Surface protection coating
 Diffuser in polyurethane (ND) • Electronic motor supervision
 Series connection • Starter and control units
 Automatic level control unit • Floatation system • Repair kit
 Discharge connection accessories and hose

Materials		EN	ASTM
Castings	Aluminium	EN 1706: AC-43100	ASTM A510mg
Casing and fasteners	Stainless steel	10088:X5CrNi18-10 [1.4301]	AISI 304
Shaft	Stainless steel	10088:X20Cr13 [1.4021]	AISI 420
Impeller LD	Hardened chrome steel	10088:X30Cr13 [1.4028]	AISI 420
Impeller ND	White cast iron	EN1695G-X260Cr27	ASTM A 532: Alloy III A
Wear parts /O-rings	Nitrile rubber		

