P R O D U C T C A T A L O G U E

JohnTek

Valencia / Spain

EN ISO **9001 : 2008**

Pump • Fire Fighting Units • Booster Set

Pump Usage Areas

Power Plants

Aricultural Irrigation and Drainage

Oil Industry

Building System

Water Treatment and Pressunization

Mining

Chemical Industry

Heating, Ventilating and Air Conditioning

Marine

Fire Fighting

Food and Bever Industry

Iron and steel Industry

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JSS - SERIES

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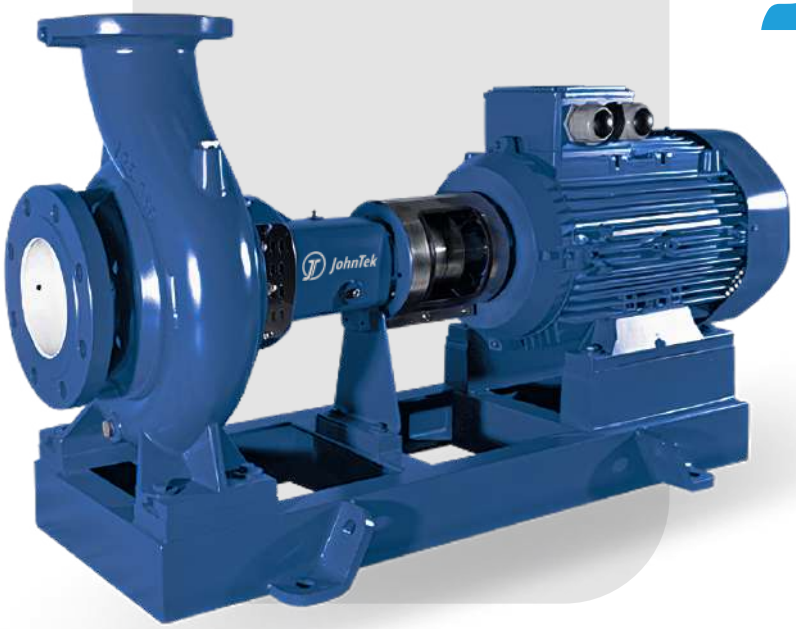
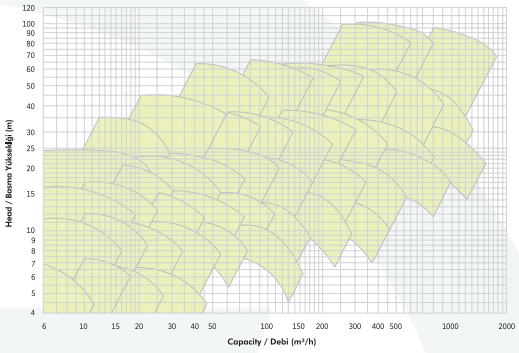


End Suction Centrifugal Pump

GENERAL INFORMATION

Discharge Flange	DN 32 - DN 250
Capacity	1700 m^3/h
Head	100 m
Frequency	Three-phase 50 Hz - 60 Hz*
Temperature of Pumped Liquid	From -25 °C to+140 °C
Maximum Operating Pressure	10 bar (16 bar)*



DESIGN FEATURES

- TKF series pumps have designed for pumping non-abrasive and small particulars liquids.
- TKF series pump has just one impeller, pump and motor is connecting by coupling. It gives your advantages for easy disassembling.
- Pump Dimensions are according to EN 733 - DIN 24255 standard.
- Suction and discharge flanges according to EN 1092-2 / PN 16.
- TKF series have a closed impeller, impeller blades located between the balancing holes to minimize the axial load is taken in dynamic load balancing.
- Sealing is provided by gland packing. Sealing is provided by also mechanical seal as customer request.
- Easy disassembly to pump and change impeller, bearings, and seals.
- All impellers are statically and dynamically balanced according to ISO 1940 class 6.3.
- In addition to 29 models, 10 complementary models are designed in according to EN 733 standards.

The main dimensions of complementary models may different from other manufacturers.

- Direction of rotation is clockwise viewed from the driver end.
- Optionally, pumps can be manufactured with shaft bushings and/or wear rings.

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Pump Usage Areas

Building System

JSS - M SERIES

Monoblock End Suction Centrifugal Pump

GENERAL INFORMATION

Discharge Flange	DN 32 - DN 150
Capacity	500 m^3/h
Head	100 m
Frequency	Three-phase 50 Hz - 60 Hz*
Temperature of Pumped Liquid	From -25 °C to+140 °C
Maximum Operating Pressure	10 bar (16 bar)*

DESIGN FEATURES

- Monoblock centrifugal pumps with horizontal shaft, volute casing, single stage, end suction and closed impeller.
- The main dimensions of the housing comply with EN 733 standards. Design according to EU 547/2012 energy rating.
- Suction and discharge flanges according to EN 1092 - 2 / PN 16. Flanges are suitable for EN 1092 - 1 / PN 16 in pumps with steel or stainless steel body material. Pumps could be produced with ANSI/ASME flanges optionally.
- Pumps are used with electric motors of high efficiency class according to IEC structure sizes.
- All impellers are balanced dynamically or statically according to ISO 1940 class 6.3.
- The axial force is balanced with the wheel balancing holes system.
- The direction of rotation is clockwise by the engine.
- Monoblock pumps are smaller and lighter than the same hydraulic centrifugal pumps.
- Optionally, pumps can be manufactured with wear ring and / or shaft bushings.
- The pump shaft is connected to the motor shaft with a plug-in shaft or rigid coupling. The axial and radial forces of the pump have covered by the motor bearings.

JSS - I SERIES

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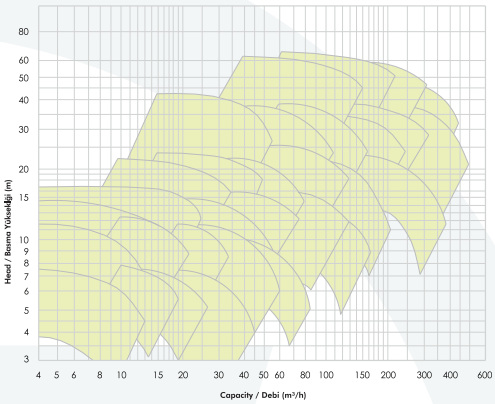
In-Line Type Centrifugal Pump

GENERAL INFORMATION

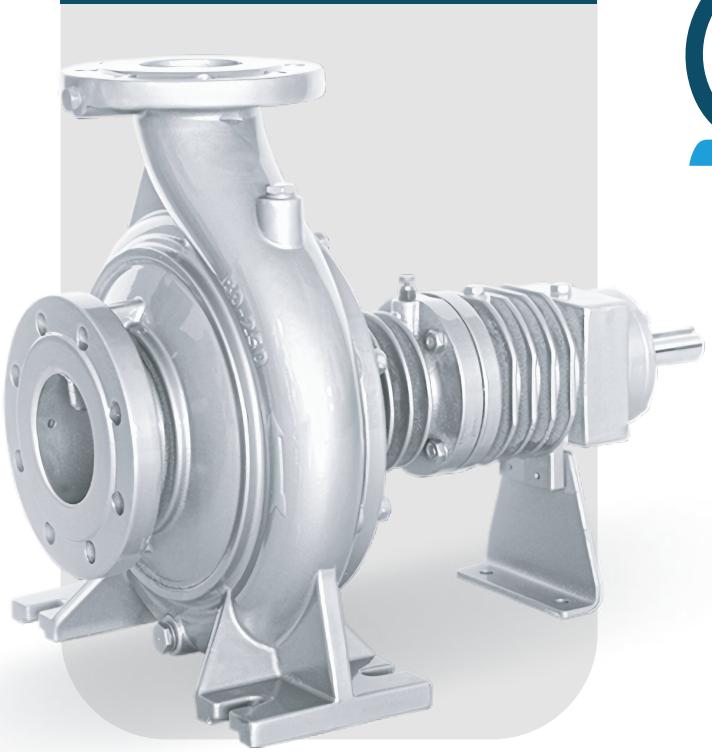
Discharge Flange	DN 65 - DN 250
Capacity	500 m³/h
Head	100 m
Frequency	Three-phase 50 Hz - 60 Hz*
Temperature of Pumped Liquid	From -25 °C to+140 °C
Maximum Operating Pressure	10 bar (16 bar)*



DESIGN FEATURES

- Single-stage, closed impeller monoblock centrifugal pumps with volute, which can be connected to straight pipe (line type).
- Suction and discharge flanges conform to TS EN 1092-2 / PN 16. For pumps with steel or stainless steel housing, the flanges comply with TS EN 1092 - 1 / PN 16. It can be produced with ANSI / ASME flange upon request.
- Pumps are used with high efficiency electric motors according to IEC construction sizes.
- All impellers are balanced dynamically or statically in accordance with ISO 1940 class 6.3.
- Axial force is balanced with impeller balancing holes system.
- Optionally, pumps can be manufactured with wear ring and / or shaft bushing.
- The direction of rotation is clockwise when viewed from the motor side.
- The pump shaft is connected to the motor shaft by means of a shaft or rigid coupling and the axial and radial forces of the pump are compensated by the motor bearings.

JSS - K SERIES



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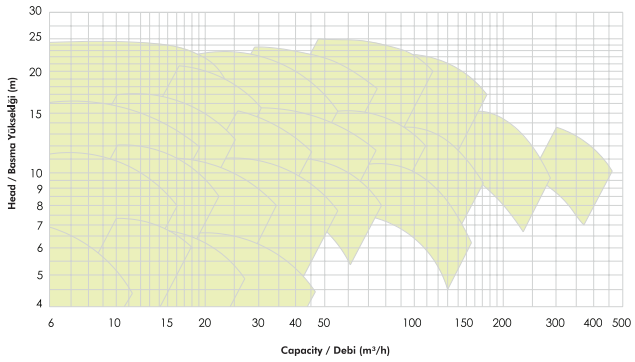
End Suction Thermal Oil Centrifugal Pump

GENERAL INFORMATION

Discharge Flange	DN 65 - DN 150
Capacity	500 m³/h
Head	100 m
Frequency	Three-phase 50 Hz - 60 Hz*
Maximum Temperature of Pumped Liquid	up to 350 °C
Maximum Operating Pressure	10 bar (16 bar)*



DESIGN FEATURES

- Horizontal shaft, volute, single stage, end suction, air cooled, closed impeller centrifugal pumps.
- Suction and discharge flanges conform to EN 1092-2 / PN 16. (flanges for pumps with stainless steel body conform to EN 1092 - 1 / PN 16)
- With the detachable design of the pump, it is possible to remove the bearing assembly, the seal bearing, the pump shaft and the impeller without removing the snail from the pipe. (Optionally, the rotor group of the pump can be removed without removing the motor from the motor carrier by applying the spacer sleeve coupling).
- All impellers are balanced dynamically or statically in accordance with ISO 1940 class 6.3.
- The direction of rotation is clockwise when viewed from the motor side.
- The axial force is compensated by the balancing vanes on the rear of the impeller.
- TKF-K type pumps use “oil lubrication” bearings as standard.

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Pump Usage Areas

Iron & Steel Industry

JSS - AH SERIES

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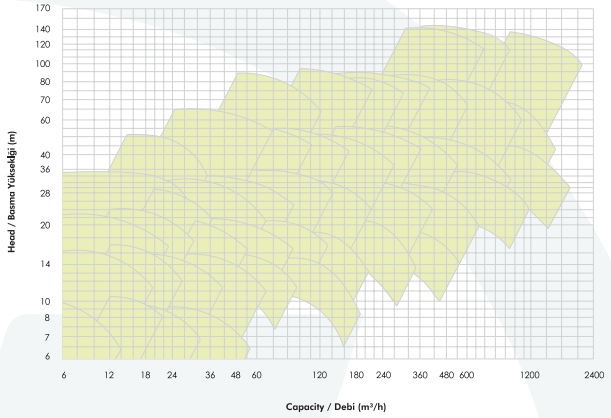
Norm Centrifugal Pump

GENERAL INFORMATION

Discharge Flange	DN 32 - DN 250
Capacity	1700 m³/h
Head	160 m
Frequency	Three-phase 50 Hz - 60 Hz*
Temperature of Pumped Liquid	From -25 °C to + 140 °C
Maximum Operating Pressure	16 bar (25 bar)*



DESIGN FEATURES

- Horizontal, radially split volute casing type, single stage, end suction centrifugal pumps with closed or semi-open impeller.
- In addition to 29 basic sizes conforming with ISO 2858, there are 10 additional sizes. Dimensions of additional sizes may dier from other suppliers.
- Heavy duty shaft not in touch with the medium handled (dry shaft)
- Body sealing is ensured by flat gaskets that are not displaced under pressure.
- Suction and discharge flanges conform to EN 1092-2 / PN 16. (EN 1092-1 / PN 16 for steel or stainless steel casing)
- Due to the back-pull-out design, the complete bearing assembly including impeller and casing cover can be dismantled without removing the volute casing from the pipe system. (With spacer coupling application, also possible to take out the rotor group without dismantling the electric motor.)
- All impellers are balanced dynamically or statically according to ISO 1940 class 6.3.
- For closed impellers, axial thrust is balanced by impeller balancing holes system while for semi-open impellers, it is balanced by back ribs.
- Direction of rotation is clockwise viewed from drive end.
- Bearings of TKF-AH type pumps are always oil lubricated.

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Pump Usage Areas

Marine

JSS - KE SERIES

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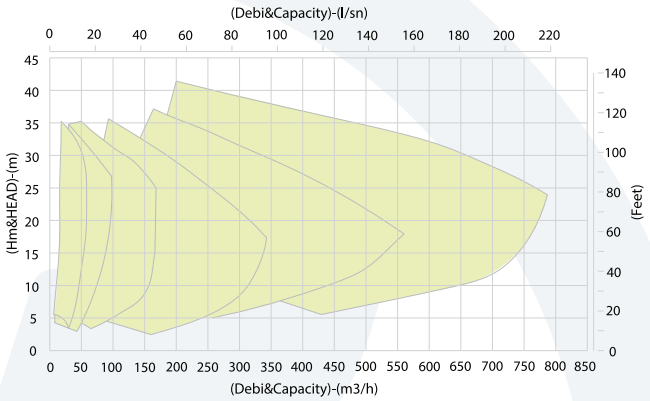
Self Priming Centrifugal Pump

GENERAL INFORMATION

Capacity	800 m^3/h
Pressure	45 m
Frequency	Three-phase 50 Hz - 60 Hz*
Fluid Temperature	From -25 °C to + 140 °C
Maximum Body Pressure	10 bar (16 bar)*



DESIGN FEATURES

- Stable performance ensures reliable operation.
- Fast and self-priming.
- Detachable: Suitable for maintenance and troubleshooting. Daily maintenance can be done quickly with tools to save time.
- It has strong transition capacity with semi-open impeller structure and non-clogging design.
- The pump can be installed next to the septic tank so that only the suction pipe remains in the liquid. (The pump must be filled with water at the first start).
- Through specially designed flap, it can be cleaned easily inserted and removed without disassembling the flap.
- As the suction cover can be removed, the impeller is easily reached and obstructions are easily removed.

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Pump Usage Areas

Chemical Industry

JMS - SERIES

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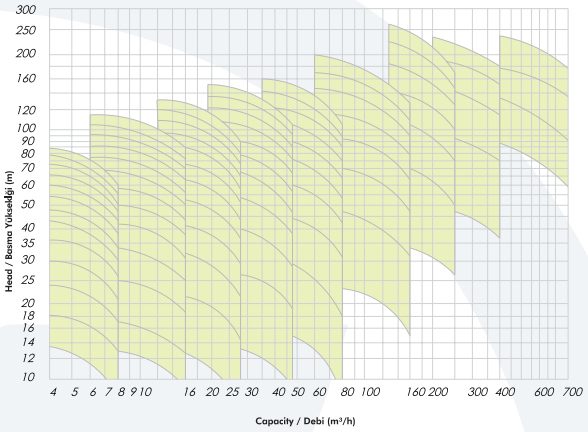
Horizontal Multi Stage Centrifugal Pump

GENERAL INFORMATION

Discharge Flange	DN 25 - DN 250
Capacity	1000 m³/h
Head	600 m
Frequency	Three-phase 50 Hz - 60 Hz*
Temperature of Pumped Liquid	from -25 °C to+140 °C
Maximum Operating Pressure	25 bar (63 bar)*



DESIGN FEATURES

- Centrifugal pumps with horizontal shaft, split body, diffuser, multistage, closed impeller.
- 11 models from DN 25 to DN 250 discharge flange diameter.
- Suction flanges according EN 1092 - 2 / PN 16 and discharge flanges to EN 1092 - 2 / PN 40 (PN 63). (flanges in pumps with stainless steel body material according to EN 1092-1 standard pressure class.)
- In standard production, the suction flange is on the coupling side and on the right side, the discharge flange at the other end and top (R 4/2). If flange positions other than standard manufacture are required, this request must be specified at the time of order.
- All impellers are balanced dynamically or statically in accordance with ISO 1940 class 6.3.
- Axial force is balanced by impeller balancing holes system.
- The direction of rotation is clockwise when viewed from the motor side.
- ARS type pumps use “grease lubricated” bearings as standard.

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Pump Usage Areas

Power Plants

JMS - D SERIES

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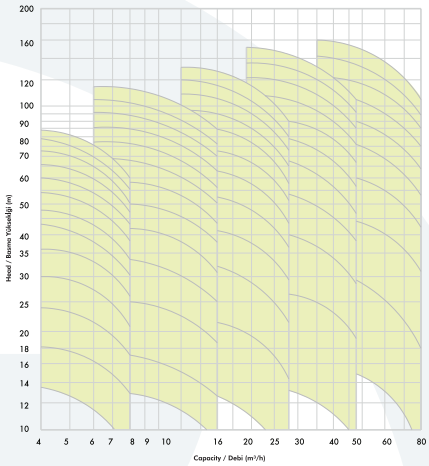
Vertical Multi Stage Centrifugal Pump

GENERAL INFORMATION

Discharge Flange	DN 32 - DN 150
Capacity	180 m³/h
Head	450 m
Frequency	Three-phase 50 Hz - 60 Hz*
Temperature of Pumped Liquid	From -25 °C to+140 °C
Maximum Operating Pressure	25 bar (63 bar)*



DESIGN FEATURES

- Centrifugal pumps with vertical shaft, split body, diffuser, multistage, closed impeller.
- 8 models from DN 32 to DN 150 discharge flange diameter.
- Suction flanges according to EN 1092 - 2 / PN 16 and discharge flanges to EN 1092 - 2 / PN 40 (PN 63). (flanges in pumps with stainless steel body material according to EN 1092-1 standard pressure class.)
- ARS-D and ARS-DY pumps are used with high efficiency electric motors according to IEC size.
- Pump and motor shafts are connected to each other with rigid coupling.
- All impellers are balanced dynamically or statically in accordance with ISO 1940 class 6.3.
- Axial force is balanced by impeller balancing holes system.
- The direction of rotation is counterclockwise when viewed from the motor side.
- In ARS-D and ARS-DY type pumps, "grease lubricated" bearings are used as standard. The plain bearings used on the underside of the pumps are lubricated with the pressed liquid.

JMS -DY SERIES

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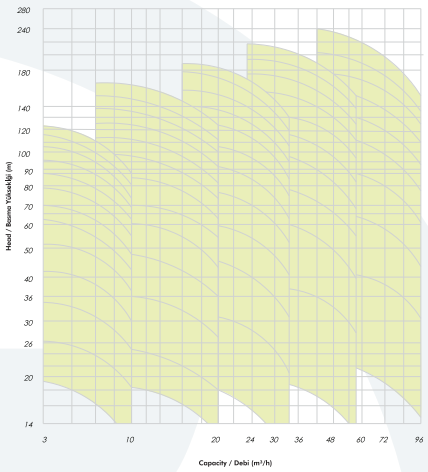
Vertical Multi Stage Centrifugal Pump

GENERAL INFORMATION

Discharge Flange	DN 32 - DN 150
Capacity	400 m³/h
Head	450 m
Frequency	Three-phase 50 Hz - 60 Hz*
Temperature of Pumped Liquid	From -25 °C to+140 °C
Maximum Operating Pressure	25 bar (63 bar)*



DESIGN FEATURES

- Centrifugal pumps with vertical shaft, split body, diffuser, multistage, closed impeller.
- 8 models from DN 32 to DN 150 discharge flange diameter.
- Suction flanges according to TS EN 1092 - 2 / PN 16 and discharge flanges to TS EN 1092 - 2 / PN 40 (PN 63). (flanges in pumps with stainless steel body material according to TS EN 1092-1 standard pressure class.)
- ARS-D and ARS-DY pumps are used with high efficiency electric motors according to IEC size.
- Pump and motor shafts are connected to each other with elastic coupling.
- All impellers are balanced dynamically or statically in accordance with ISO 1940 class 6.3.
- Axial force is balanced by impeller balancing holes system.
- The direction of rotation is counterclockwise when viewed from the motor side.
- In ARS-D and ARS-DY type pumps, “grease lubricated” bearings are used as standard. The plain bearings used on the underside of the pumps are lubricated with the pressed liquid.

JMS -KC SERIES

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Horizontal Multi Stage Centrifugal Pump

GENERAL INFORMATION

Discharge Flange	DN 25 - DN 250
Capacity	1000 m³/h
Head	600 m
Frequency	Three-phase 50 Hz - 60 Hz*
Temperature of Pumped Liquid	From -25 °C to + 140 °C
Maximum Operating Pressure	25 bar (63 bar)*

DESIGN FEATURES

- Centrifugal pumps with horizontal shaft, split body, diffuser, multistage, closed impeller.
- 11 models from DN 25 to DN 250 discharge flange diameter.
- Suction flanges according EN 1092 - 2 / PN 16 and discharge flanges to EN 1092 - 2 / PN 40 (PN 63).

(flanges in pumps with stainless steel body material according to EN 1092-1 standard pressure class.)

- In standard production, the suction flange is on the coupling side and on the right side, the discharge flange at the other end and top (R 4/2). If flange positions other than standard manufacture are required, this request must be specified at the time of order.
- All impellers are balanced dynamically or statically in accordance with ISO 1940 class 6.3.
- Axial force is balanced by impeller balancing holes system.
- The direction of rotation is clockwise when viewed from the motor side.
- ARS type pumps use “grease lubricated” bearings as standard.

JMS - U SERIES

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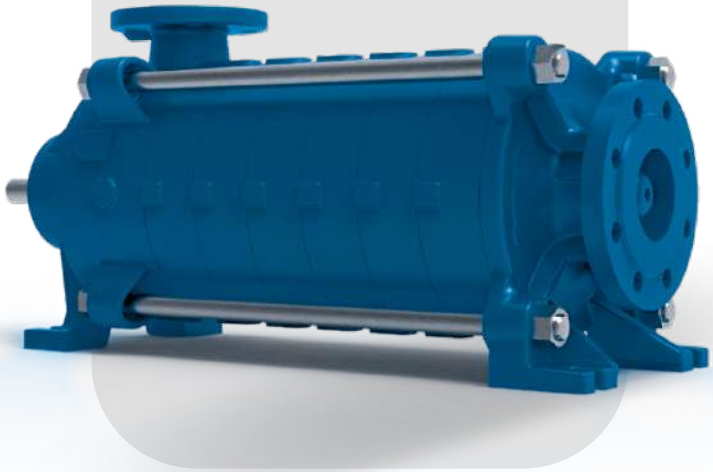

Horizontal Multi Stage Centrifugal Pump

GENERAL INFORMATION

Discharge Flange	DN 25 - DN 250
Capacity	1000 m^3/h
Head	600 m
Frequency	Three-phase 50 Hz - 60 Hz*
Temperature of Pumped Liquid	From -25 °C to + 140 °C
Maximum Operating Pressure	25 bar (63 bar)*

DESIGN FEATURES

- Centrifugal pumps with horizontal shaft, split body, diffuser, multistage, closed impeller.
- 11 models from DN 25 to DN 250 discharge flange diameter.
- Suction flanges according EN 1092 - 2 / PN 16 and discharge flanges to EN 1092 - 2 / PN 40 (PN 63). (flanges in pumps with stainless steel body material according to EN 1092-1 standard pressure class.)
- In standard production, the suction flange is on the coupling side and on the right side, the discharge flange at the other end and top (R 4/2). If flange positions other than standard manufacture are required, this request must be specified at the time of order.
- All impellers are balanced dynamically or statically in accordance with ISO 1940 class 6.3.
- Axial force is balanced by impeller balancing holes system.
- The direction of rotation is clockwise when viewed from the motor side.
- ARS type pumps use “grease lubricated” bearings as standard.

JSC - SERIES

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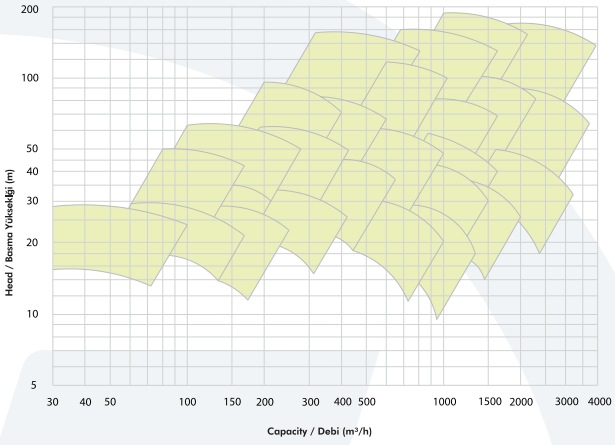
Double Suction Centrifugal Pump

GENERAL INFORMATION

Discharge Flange	DN 65 - DN 600
Capacity	6000 m³/h
Head	180 m
Frequency	Three-phase 50 Hz - 60 Hz*
Temperature of Pumped Liquid	From -20 °C to+110 °C
Maximum Operating Pressure	16 bar - 25 bar*



DESIGN FEATURES

• Suction and discharge flanges are on the same axis line. The double-suction design reduces axial forces by directing flow into both sides of the impeller. The double-volute design, available on most models, reduces the radial load and minimizes noise and vibration.
• Suction and discharge flanges are PN 16 according to EN 1092-2 (DIN2501).
• Seal box is cooled with water. Seals are easily dismountable, which makes replacing and fitting up additional seals easy.
• Split-case pumps could manufacturing horizontal or vertical.
• The impellers are dynamically balanced according to ISO 1940 class 6.3.
• Direction of rotation is clockwise when viewed from the motor in standard manufacture. In this case, the suction flange is on the right side. If required, the direction of rotation can be adjusted counter-clockwise. In this case, the suction flange is on the left side.
• Replaceable case wear rings protect the pump casing and reducing maintenance costs.
• Bronze shaft sleeves protect the shaft and help with fixation of the impeller.
• In horizontal installation, ball bearing with grease lubrication is used as standard. In the case of vertical installation, the bearing with fluid lubrication is used on the lower side and the ball bearing with grease lubrication is used on the upper side.

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Pump Usage Areas

Fire Fighting

JFP - SERIES

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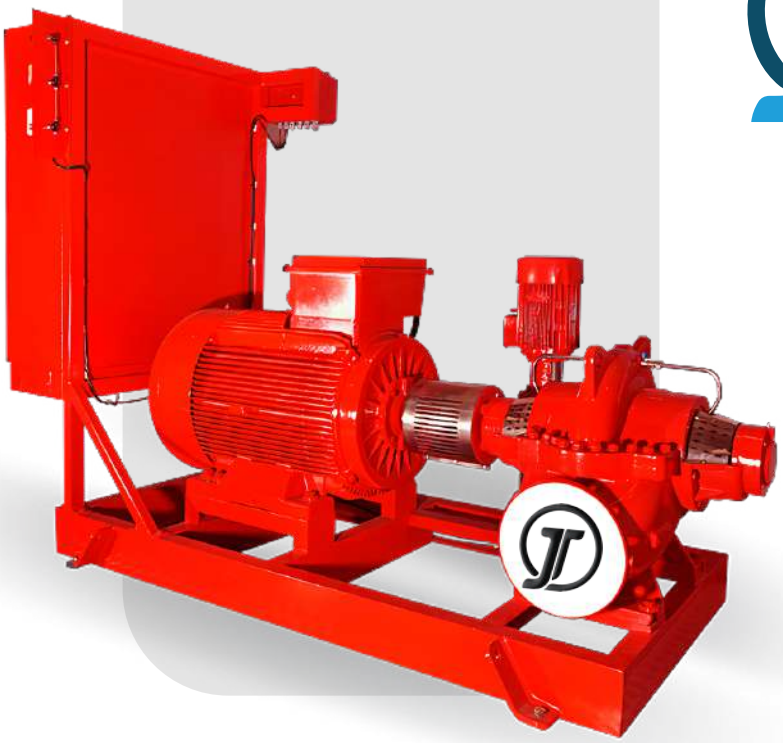

Fire Fighting Pump

GENERAL INFORMATION

Capacity	2500 m^3/ h
Head	180 m
Frequency	Three-phase 50 Hz - 60 Hz*
Fluid Temperature	From 0 °C to + 60 °C
Maximum Working Pressure	16 - 20 bar

DESIGN FEATURES

• Due to the special importance of NFPA fire pumps, a standard has been developed according to the material and performance characteristics. These requirements must be met for compliance with NFPA 20. According to these conditions, it is seen that fire pumps are quite different from other pumps. Fire pumps are designed and manufactured to provide maximum reliability and net output pressure throughout their lifetime.

JVTP - SERIES

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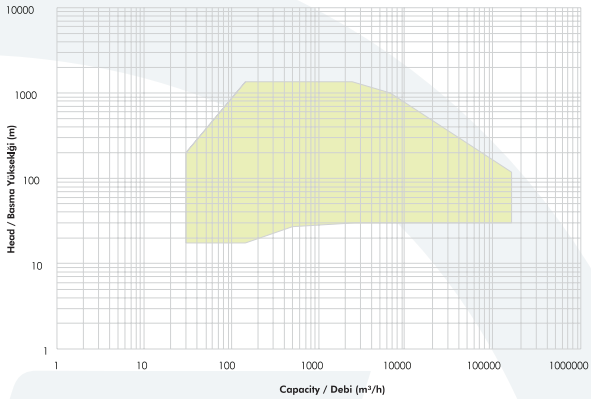
Vertical Turbine Pump

GENERAL INFORMATION

Capacity	4000 m³/h
Head	450 m
Frequency	Three-phase 50 Hz - 60 Hz*
Maximum Temperature of Pumped Liquid	From -25 °C to+140 °C
Maximum Operating Pressure	45 bar



DESIGN FEATURES

- Multistage turbine pumps with vertical shaft, split body, stator, discharge head.
- It is produced with closed type impeller as standard. On request, semi-open impeller can be produced.
- The direction of rotation is counterclockwise when viewed from the motor side.
- SVDP Liquid lubrication is performed as standard in SVDP type pumps. Water and grease lubrication is also available upon request.
- SVDP type pumps are used with high efficiency class electric motors according to IEC construction sizes.
- Pump and motor shafts are connected to each other by rigid coupling.
- Different types of electric motors can be supplied upon request.

JSP - SERIES

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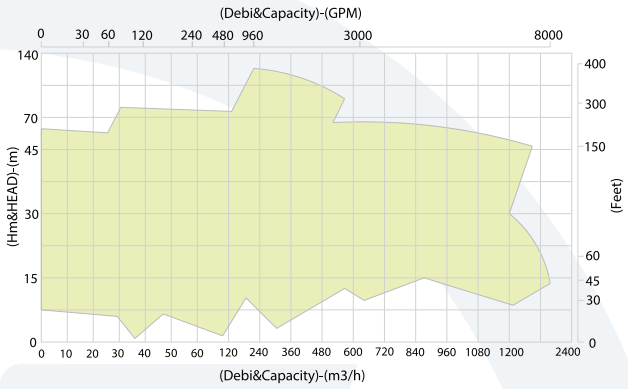
Submersible Waste Water Centrifugal Pump

GENERAL INFORMATION

Discharge Flange	DN 50 - DN 400
Frequency	Three Phase 50 Hz - 60 Hz*
Protection Class	IP 68
Insulation	Class F
Fluid Temperature	Up to 40 °C



DESIGN FEATURES

- Vertical, wide volute casing, single stage, submersible type centrifugal pump with enclosed, semi-open or vortex types impeller.
- 20 basic sizes covering wide range of operational area.
- Electric motor isolation class is IP 68.
- Discharge flanges conform to EN 1092-2 / PN 10. (EN 1092-1 / PN 10 for steel or stainless steel casing)
- All impellers are balanced dynamically or statically according to ISO 1940 class 6.3.
- Axial thrust is balanced by impeller back ribs.
- In case of request motor cooling jacket is also applicable (For models larger than 12 HP)
- Bearings of DPT type pumps are “life time grease lubricated” ball bearings.

JVN - SERIES

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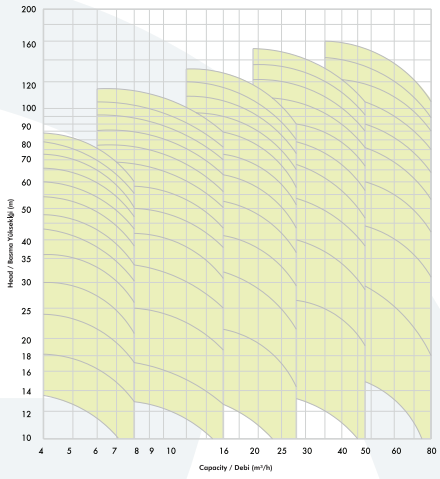
Booster Pump

GENERAL INFORMATION

Flow rate	56 m³/h
Pressure	150 m
Frequency	Three-phase 50 Hz - 60 Hz*
Fluid Temperature	From 0 °C to + 60 °C
Maximum Body Pressure	10 - 16 bar



DESIGN FEATURES

- SP Series boosters are designed for pressing non-corrosive liquids without large solid particles.
- Impeller material is glass fiber reinforced noryl.
- Vertical pumps with closed impeller can able to be separated.
- Balancing holes of the impellers are dynamically balanced and minimizes axial loads.
- Cylindrical roller bearings that are resistant to high temperatures and can operate under heavy conditions are used at both ends of the pump.
- The discharge flange of the pump is on the motor side and the suction flange is below.
- With its vertical shaft structure, it occupies less space than horizontal shaft design.
- Boosters are manufactured with horizontal or vertical pumps.
- It can be produced as single, double and triple pumps according to the desired flow rate. Up to 6 pumps can be set if needed.
- Single pump booster has phase protection and sequencing relay (FKS).
- It is available water level float (electric float) in single pump systems.
- Multiple sets, phase control in multiple pump boosters and liquid level control are standard features.
- Pressure boosters can be frequency controlled upon request It can be manufactured with variable speed.
- Boosters it can work automatically and manually in two different modes.

JSP - DI SERIES

Waste Water and Process Pumps

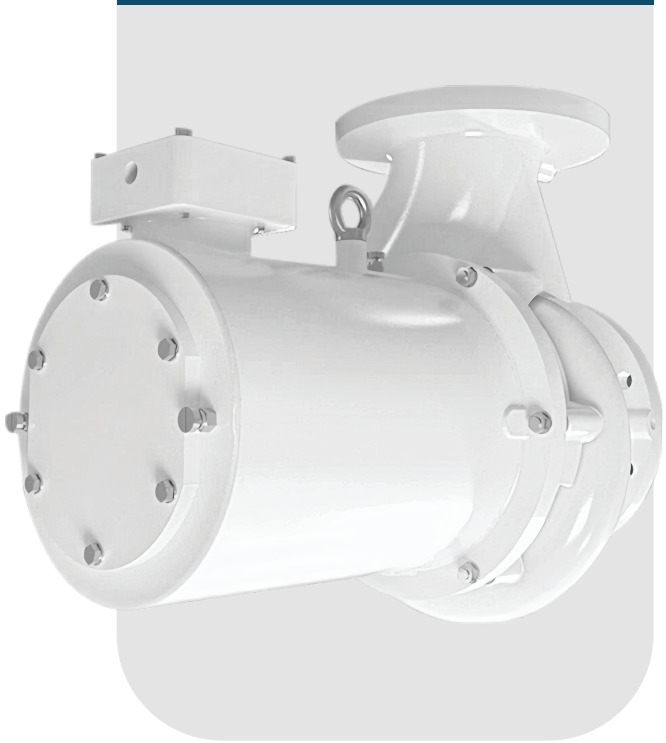
GENERAL INFORMATION

Discharge Flange	DN 40 - DN 300
Capacity	up to 1600 m^3/h
Head	up to 95 m
Working Temperature	from -10 °C to + 110 °C*
Casign Pressure (Pmax)	10 bar (16 bar)*

DESIGN FEATURES

- Horizontal / Vertical, wide volute casing, single stage, end suction, centrifugal pumps with enclosed, semi-open or vortex type impeller.
- 18 basic sizes covering wide range of operational area.
- Due to the back-pull-out design, the complete bearing assembly including impeller and casing cover can be dismantled without removing the volute casing from the pipe system. (With spacer coupling application, also possible to take out the rotor group without dismantling the electric motor.)
- Discharge flanges conform to EN 1092-2 / PN 10. (EN 1092-1 / PN 10 for steel or stainless steel casing)
- All impellers are balanced dynamically or statically according to ISO 1940 class 6.3.
- Axial thrust is balanced by impeller back ribs.
- Direction of rotation is clockwise viewed from drive end.
- Bearings of DPT-DI type pumps are "life time grease lubricated" ball bearing up to DPT-DI 150-315 size. For bigger sizes oil lubricated bearings are used. In vertical design (DPT-DI-M) always grease lubricated bearings are used.

JSP -TR SERIES



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Transformer Oil Pumps

GENERAL INFORMATION

Discharge Flange	DN 65 - DN 150
Capacity	up to 340 m3/h
Head	up to 16 m
Working Temperature	From -25 °C to+115 °C*
Terminal Box Protection	IP56
Casing Pressure (Pmax)	10 bar*

DESIGN FEATURES

- DPT-TR series transformer oil pumps; It is designed as a horizontal shaft, monoblock, single stage.
- Closed impellers are used in the designs and there are balancing holes between the blades of these impellers to minimize axial loads.
- The general dimensions of the volute casing are designed in accordance with the TS EN IEC 60076-22-5 standard.
- Suction and discharge flanges comply with TS EN 1092-2 / PN 10 standard.
- Impellers are statically and dynamically balanced in accordance with ISO 1940 class 6.3.
- The surface coating complies with the ISO 12944:2018 standard. C5 H (High Durability - 320 μ)


JohnTek

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