

the **dynamics** of water



HVAC
centrifugal (norm) pumps

HVAC

centrifugal



(norm) pumps

HVAC efficient solutions for comfortable living conditions

To be comfortable in a building, both at home and at work, an optimal climate control is important. This can only be achieved with modern Building Management Systems in combination with the right pumps, in order to get an efficient distribution of water.

DP Pumps is mostly known for providing booster systems, waste and sewage water installations and service. But with a wide range of circulators, inline pumps, end suction pumps and split casing pumps, DP Pumps offers a complete building solution.

With the HVAC circulators DP Pumps adds another quality product to its product range.

Complete building solution

For a complete HVAC solution DP Pumps provides an extensive range of HVAC centrifugal (norm) pumps, Split case double suction centrifugal pumps, Mono-block centrifugal pumps and In-line centrifugal pumps. Also a wide range of small circulator pumps for heating and hot water is available.

Reliability, quality and service

DP Pumps; since 1955 your partner in building services.

- advice and customized solutions from DP's own Sales team and global dealer network
- several tools for selection software with database generator provide information to customers in order to choose the right pump for a specific application
- all pumps for building services are supplied from one source (one-stop-shopping)

DP Pumps takes care of all the needs customers may have regarding quality and service.

The series contains 4 types:

DPNL In-line centrifugal pump.

Compact pump for heating and air conditioning where limited space (in length) is available.

DPNM Mono-block centrifugal pump.

Compact pump for general applications up to large capacities. For applications where limited space (in height) is available.

DPNT Norm centrifugal pump.

General purpose centrifugal pump for condenser, chilled and hot water systems in HVAC applications. For heavy duty.

DPAS Split case double suction centrifugal pump.

Large capacity general HVAC service pump.



DPNL

DPNL In-line centrifugal pump

The DPNL In-line centrifugal pumps are designed for heating and air conditioning applications. The DPNL series provide easy installation, especially in buildings where limited space in length is available.

For the different HVAC applications, various material options (cast iron, bronze and stainless steel) are available. The DPNL motors are suitable for variable speed operation.

General specifications

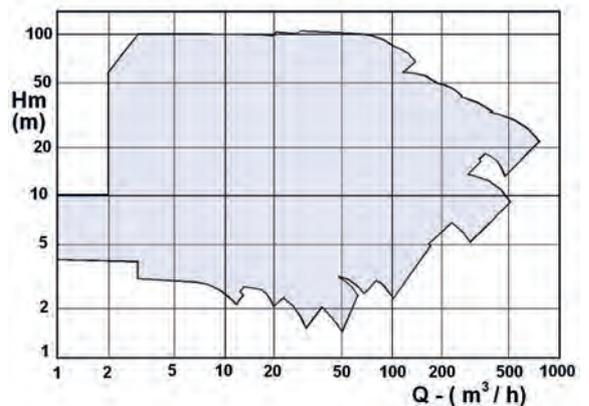
Flow rate	: 2 – 450 m ³ /hr
Head	: 2 – 100 m
Operation pressure	: 10 Bar
Temperature range	: -20 – 120 °C
Motor speed range	: 1.450 – 2.900 rpm
Suction flange	: DN 40 – DN 150

Additional applications besides HVAC:

- Water supply and booster stations
- Irrigation and sprinkling
- Industrial
- Swimming pool
- Marine

Design features:

- Single stage, in-line type centrifugal pumps.
- Produced with standard motors and mechanical seals.
- Single entry closed impeller, equipped with wear ring to balance the thrust.
- Motor shaft and pumps shaft are joined by a special clamp.
- Easy service, pump shaft, motor and other parts can be removed without replacing suction and discharge flanges and the pump casing.



DPNM

DPNM Mono-block centrifugal pump

DPNM Mono-block centrifugal pumps for general HVAC applications are available upto large capacities. The DPNM series are compact pumps for applications where limited space is available in height. With the unique pull back design, the DPNM series is easy to service.

Like the DPNT series, various material options, cast iron, bronze and stainless steel and different seal constructions, make the DPNM Mono-block centrifugal pump suitable for many applications.

General specifications

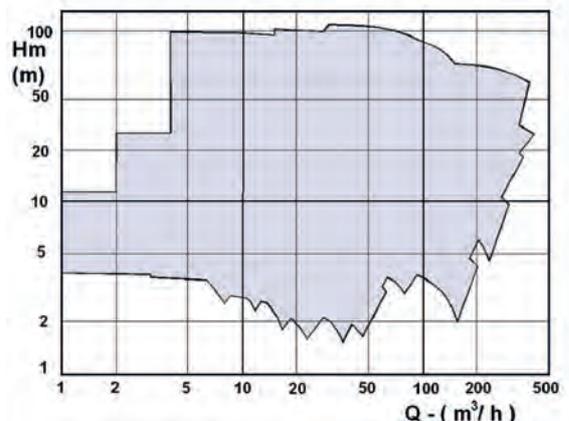
Flow rate	: 2 – 450 m ³ /hr
Head	: 2 – 100 m
Operation pressure	: 10 Bar
Temperature range	: -20 – 120 °C
Motor speed range	: 1.450 – 2.900 rpm
Suction flange	: DN 40 – DN 150
Discharge flange	: DN 32 – DN 150

Additional applications besides HVAC:

- Water supply and booster stations
- Irrigation and sprinkling
- Industrial
- Swimming pool
- Marine

Design features

- Single stage, end suction, mono block type centrifugal volute pumps.
- The axial force on the motor is compensated by means of abrasion gaskets and balancing holes.
- Although the pump is mono block, the pump and motor are still separate parts. Due to a special clamp between pump shaft and motor shaft, it is possible to service the pump and motor separately.
- A mechanical seal prevents the shaft from leaking.



DPNT

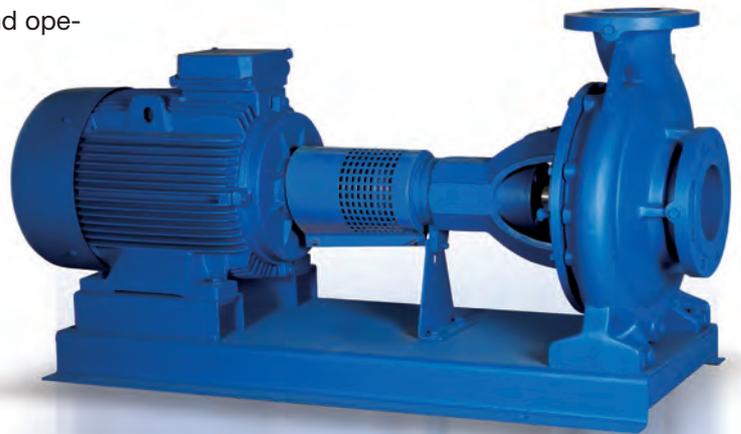
DPNT Norm centrifugal pump

DPNT Norm centrifugal pumps are heavy duty, general purpose centrifugal pumps for condenser, chilled and hot water systems in HVAC applications.

High efficiency pumps, with various material options, (cast iron, bronze and stainless steel) and different seal constructions, makes this pump easy to install and operate for a long lasting period.

General specifications

Flow rate	: 5 – 1.750 m ³ /hr
Head	: 4 – 105 m
Operation pressure	: 10 Bar
Temperature range	: -20 – 120 °C
Motor speed range	: 1.450 – 2.900 rpm
Suction flange	: DN 50 – DN 300
Discharge flange	: DN 32 – DN 250

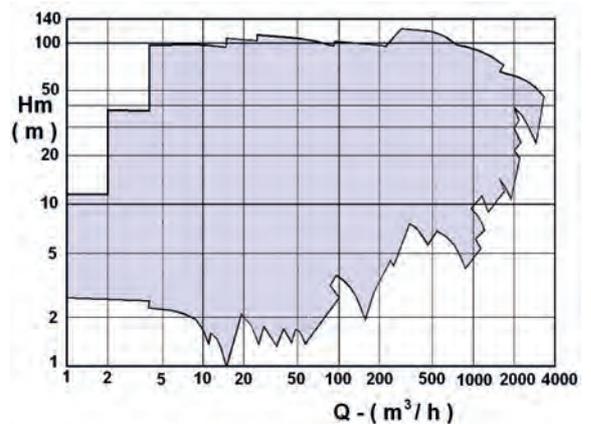


Additional applications besides HVAC:

- Water supply and booster stations
- Irrigation, sprinkler, drainage applications
- Swimming pool
- Industrial

Design features:

- Single stage, end suction, centrifugal volute pump.
- Main dimensions compatible with EN 733 (DIN 24255) norm A.
- Single suction with closed impeller and thrust balanced by means of counter balancing holes acquiring a dynamic balance.
- Pump and motor are equipped with standard connection to a common base frame with flexible coupling. Enables an easy maintenance.
- The design of the DPNT series allows internal parts to be replaced easily.



DPAS

DPAS Split case double suction centrifugal pump

DPAS Split case double suction centrifugal pumps provide large capacity general HVAC service pumping.

The DPAS series are reliable pumps with a highly sophisticated hydraulic design, but with a mechanical simplicity to make the pump easy to service.

A various material options, cast iron, bronze and stainless steel and different seal constructions, makes the pump suitable for many applications.

General specifications

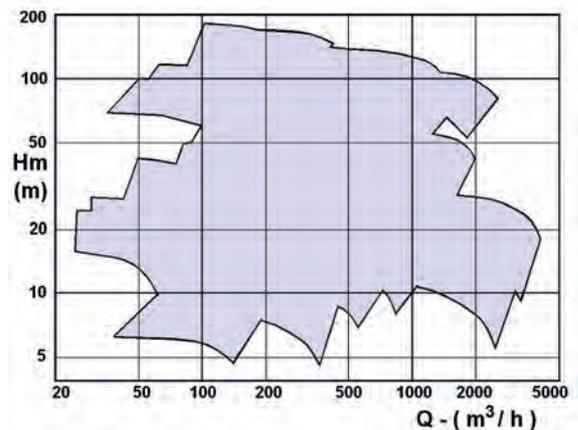
Flow rate	: 20 – 1.650 m ³ /hr
Head	: 10 – 180 m
Operation pressure	: 10 Bar
Temperature range	: -20 – 120 °C
Motor speed range	: 1.450 – 2.900 rpm
Suction flange	: DN 100 – DN 400
Discharge flange	: DN 65 – DN 350

Additional applications besides HVAC:

- Water supply and booster stations
- Water purification
- Industrial washing
- Agricultural irrigation
- Industrial and public

Design features:

- Single stage, axially split casing, double suction pump.
- Double entry radial impeller with hydraulic thrust compensation.
- Suction and discharge flanges are in-line.
- Different weight of upper body (less weight) and lower body enables easy servicing.
- Double suction inlet enables a low NPSH value.





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