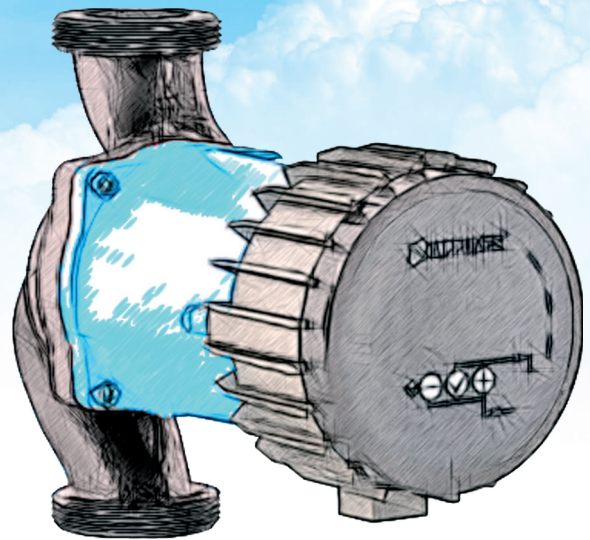




IMP PUMPS®

Intelligent Motor Pumps

www.imp-pumps.com



***Electronically controlled high-efficiency pumps
for heating, air conditioning, cooling and sanitary water***



Investing in your future
OPERATION PART FINANCED BY THE EUROPEAN UNION
European Regional Development Fund

TECHNICAL DATA

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ErP Regulation (Energy related Products)

ErP Regulation (Energy related Products) translates as energy-relevant products. The objective of this Regulation 2009 125 EC, is to reduce energy consumption according to the environmental requirements that are being introduced in the EU in the field of circulation pumps in 2013. In the course of the next seven years the Regulation will be put into practice in the following three steps:

- The first step from 01/08 in 2015 for the energy index up to (max.) 0.23 - Part 2
- The second step from 01/01/2020 for the energy index up to (max.) 0.23 - Part 2 – including pumps, which are being replaced in HVAC systems

The benchmark for most efficient circulators is $EEL \leq 0,20$ - Part 2.

The IMP PUMPS meet environmental requirements according to ErP regulation with high-efficiency pumps with affordable prices.

GENERAL INFORMATION

ALL PRODUCTS AND COMPONENTS ARE MANUFACTURED FROM ENVIRONMENTALLY FRIENDLY MATERIALS.

UPON DISPOSAL INTERNAL ENVIRONMENTAL REGULATION MUST BE CONSIDERED.

FURTHER INFORMATION ON ALL PUMPING PROGRAMS WITH TECHNICAL DATA ARE AVAILABLE ON WWW.IMP-PUMPS.COM

GENERAL SALES CONDITIONS AND TERMS OF PAYMENT – DEPENDING ON THE AGREEMENT WITH THE FIRM IMP PUMPS.

IMAGES IN CATALOGUE ARE FOR ILLUSTRATIVE PURPOSES ONLY.

TECHNICAL ADJUSTMENTS AND REVISIONS ARE NOT PERMITTED!

ABOUT US

IMP PUMPS is Slovenian manufacturer of pumps and pumping systems located in Komenda in Slovenia. Company designs, develops, manufactures, distributes and maintains pumps and pumping systems. With products and services of its own and from strategic partners, company is positioned as provider of integrated solutions. With specialized skills company resolves the problems relating to the transportation of liquid media. This ensures the comfort of home environment and optimal working conditions in the industry.

IMP PUMPS increased turnover in 2014 for 23%. More than 95 % of production is sold in over 60 countries around the world. Company is innovator in the field of electro commutated submersible motors and has the quality certificate ISO 9001:2008.

History

IMP PUMPS was founded in 1947 and has existed as part of the IMP until the late 1980s. Company successfully survived the change of the economic system and the turbulent nineties and stood on its own feet. Company was privatized in 1997 and 1999. In the year 2000, the company was restructured and renamed in IMP PUMPS d.o.o.. Slovenia's entry into the EU was another initiative for IMP PUMPS intensive development of the sales network in the changing European market, either directly or through its business partners. At the same time investments in development, marketing, information technology, and philosophy of e-commerce were made.

Present

IMP PUMPS is present with its products and services in many world markets (Eastern and Western Europe, North America, Asia, North Africa and Australia). IMP PUMPS is also a member of EUROPUMP the European Association of Pump Manufacturers. In pump design, high priority is given to the improvement of the energy efficiency of pumps. Excellent results have been reached by the new NMT pump series, using permanent magnets technology for very high efficiency rates. IMP PUMPS is one of the few European manufacturers, which over the years developed and launched a new generation of pumps with electronically controlled wet running motors. This is one of the main reasons that the company IMP PUMPS is ranked among Europe's technological elite.

Reference: <http://imp-pumps.com/en/reference/>

Future

IMP PUMPS Company employees are aware they have become part of global development and the importance of the environment in which they live. Our products are energy efficient and environmentally friendly. We are constantly developing new and more cost effective pumps replacing the old types and investing in the development of intelligent pumps with an



emphasis on digitization and communication. The company plans to further expand its sales on foreign markets and enhance its position among the four largest manufacturer of circulator pumps in Europe.

In the spirit of its motto "The honest product for the honest price", IMP PUMPS intends to maintain the excellent quality of its products at the favorable prices for the customer, along with the application of the latest technologies and prompt service.

Product overview

The basic production program of IMP PUMPS are circulating pumps for HVAC application. Pumps are flanged or threaded and single or double design with a bronze or cast iron hydraulic casing. All cast iron hydraulics are covered with cataphoresis.

Wet running circulating pumps

NMT (electronic savings, ECM, SAN circulation for sanitary water)



SAN - for sanitary water



Dry running circulating pump

CL, CV, PV, NR (in-line, bloc, with frequency converter)



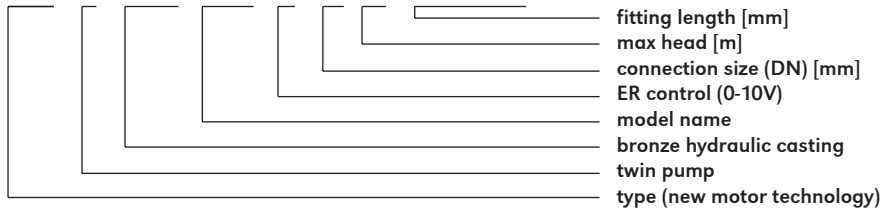
Further range of forms

- Vertical / horizontal multistage Pumps
- Vertical submersible pumps
- Monoblock centrifugal pumps
- Automatic pressure stations
- Self-priming centrifugal pumps
- Pressure boosting units
- Waste water - sewage pumps

NMT PLUS (small pumps)



NMT (D) (SAN) PLUS (ER) xx/xx - 180 (130)



Electronically controlled wet running circulating pump

For all heating systems, air conditioning, closed cooling circuits and industrial systems, used in accordance with VDI 2035.

Product details

- ECM permanent magnet technology with energy efficiency
- proportional pressure control
- constant speed
- built-in electric protection
- easy installation and quiet operation
- automatic air venting
- quality and compact construction for durability

NMT PLUS ER	- communication with the control module, analog 0-10V
NMTD PLUS	- twin pump
NMT PLUS SAN	- bronzed body (for sanitary water)
NMT PLUS PWM	- solar profile
	- heating profile

Simple control - all in one button:

button flashes - proportional mode
 briefly pressing for switching between curves, then holding approx 5s
 button light is on - constant mode
 briefly pressing for switching between curves



Minimum inlet pressure

0.05 bar <75 °C (fluid temperature)

0.28 bar <90 °C (fluid temperature)

Material	
Hydraulic casing	cast iron/bronze
Impeller	polyamid
Shaft	ceramics
Bearings	ceramics
Rotor can	stainless steel AISI 316

Technical specification	
Qmax	up to 6 m³/h
Hmax	up to 8 m
DN	15/20/25/32
Pipe connection	Rp ½ / Rp ¾ / Rp 1 / Rp 1¼
Insulation class	F
Degree of protection	IP 44
Voltage	1 ~ 230V, 50 Hz

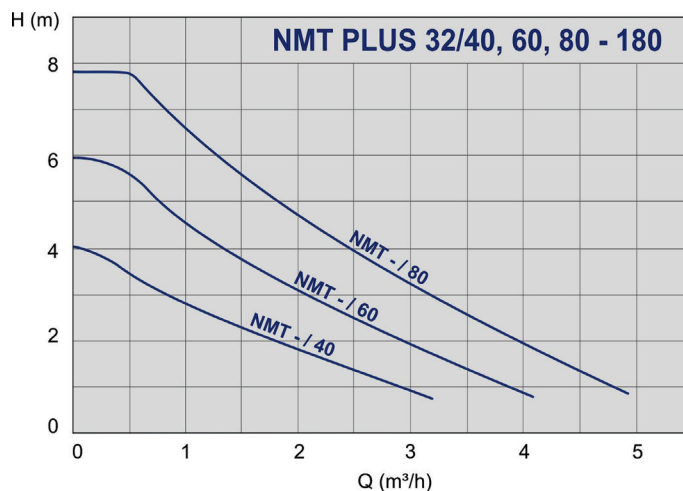
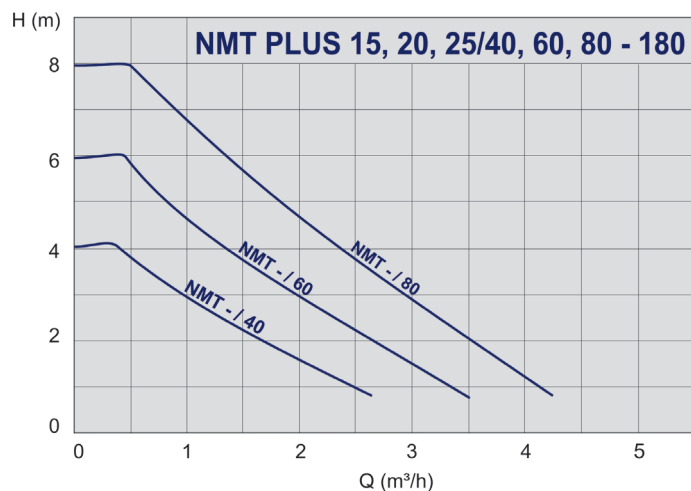
Permissible mediums

Water, mixed with glycol, parameters must be checked in the mixture of water with over 20% of glycol.

Pure, non-explosive liquid media free of mineral oils and solid particles. Medium temperature from + 5°C to + 110°C, ambient temperature with max. surroundings temperature 40°C.



Performance range



NMT PLUS

Code	Type	EEI	Fitting length [mm]	Pipe connection	Pmax [W]	Weight [kg]
979523951	NMT PLUS 15/40-130	0,17	130	Rp ½	20	2,0
979523841	NMT PLUS 20/40-130	0,16	130	Rp ¾	20	2,1
979523842	NMT PLUS 25/40-130	0,16	130	Rp 1	20	2,2
979523843	NMT PLUS 15/60-130	0,19	130	Rp ½	35	2,0
979523844	NMT PLUS 20/60-130	0,18	130	Rp ¾	35	2,1
979523845	NMT PLUS 25/60-130	0,18	130	Rp 1	35	2,2
979523846	NMT PLUS 15/80-130	0,20	130	Rp ½	55	2,0
979523847	NMT PLUS 20/80-130	0,20	130	Rp ¾	55	2,1
979523848	NMT PLUS 25/80-130	0,20	130	Rp 1	55	2,2
979523849	NMT PLUS 20/40-180	0,16	180	Rp ¾	20	2,3
979523850	NMT PLUS 25/40-180	0,16	180	Rp 1	20	2,4
979523851	NMT PLUS 32/40-180	0,17	180	Rp 1¼	20	2,5
979523852	NMT PLUS 20/60-180	0,18	180	Rp ¾	35	2,3
979523853	NMT PLUS 25/60-180	0,18	180	Rp 1	35	2,4
979523854	NMT PLUS 32/60-180	0,19	180	Rp 1¼	35	2,5
979523855	NMT PLUS 20/80-180	0,20	180	Rp ¾	55	2,3
979523856	NMT PLUS 25/80-180	0,20	180	Rp 1	55	2,4
979523857	NMT PLUS 32/80-180	0,20	180	Rp 1¼	55	2,5

NMTD PLUS - twin pump

Code	Type	EEI	Fitting length [mm]	Pipe connection	Pmax [W]	Weight [kg]
979523937	NMTD PLUS 25/40-180	0,17	180	Rp 1	2x20	4,9
979523938	NMTD PLUS 32/40-180	0,16	180	Rp 1¼	2x20	5,1
979523939	NMTD PLUS 25/60-180	0,19	180	Rp 1	2x35	4,9
979523940	NMTD PLUS 32/60-180	0,20	180	Rp 1¼	2x35	5,1
979523941	NMTD PLUS 25/80-180	0,23	180	Rp 1	2x55	4,9
979523942	NMTD PLUS 32/80-180	0,22	180	Rp 1¼	2x55	5,1

NMT PLUS ER - 0-10V analog input

Code	Type	EEI	Fitting length [mm]	Pipe connection	Pmax [W]	Weight [kg]
979523870	NMT PLUS ER 15/40-130	0,17	130	Rp ½	20	2,0
979523871	NMT PLUS ER 20/40-130	0,16	130	Rp ¾	20	2,1
979523872	NMT PLUS ER 25/40-130	0,16	130	Rp 1	20	2,2
979523873	NMT PLUS ER 15/60-130	0,19	130	Rp ½	35	2,0
979523874	NMT PLUS ER 20/60-130	0,18	130	Rp ¾	35	2,1
979523875	NMT PLUS ER 25/60-130	0,18	130	Rp 1	35	2,2
979523876	NMT PLUS ER 15/80-130	0,20	130	Rp 1	55	2,0
979523877	NMT PLUS ER 20/80-130	0,20	130	Rp ¾	55	2,1
979523878	NMT PLUS ER 25/80-130	0,20	130	Rp 1	55	2,2
979523879	NMT PLUS ER 20/40-180	0,16	180	Rp ¾	20	2,3
979523880	NMT PLUS ER 25/40-180	0,16	180	Rp 1	20	2,4
979523881	NMT PLUS ER 32/40-180	0,17	180	Rp 1¼	20	2,5
979523882	NMT PLUS ER 20/60-180	0,18	180	Rp ¾	35	2,3
979523883	NMT PLUS ER 25/60-180	0,18	180	Rp 1	35	2,4
979523884	NMT PLUS ER 32/60-180	0,19	180	Rp 1¼	35	2,5
979523885	NMT PLUS ER 20/80-180	0,20	180	Rp ¾	55	2,3
979523886	NMT PLUS ER 25/80-180	0,20	180	Rp 1	55	2,4
979523887	NMT PLUS ER 32/80-180	0,20	180	Rp 1¼	55	2,5

NMT PLUS PWM SOLAR - digital input

Code	Type	EEI	Fitting length [mm]	Pipe connection	Pmax [W]	Weight [kg]
979523891	NMT PLUS PWM S 15/40-130	0,17	130	Rp ½	20	2,0
979523893	NMT PLUS PWM S 20/40-130	0,16	130	Rp ¾	20	2,1
979523895	NMT PLUS PWM S 25/40-130	0,16	130	Rp 1	20	2,2
979523897	NMT PLUS PWM S 15/60-130	0,19	130	Rp ½	35	2,0
979523899	NMT PLUS PWM S 20/60-130	0,18	130	Rp ¾	35	2,1
979523901	NMT PLUS PWM S 25/60-130	0,18	130	Rp 1	35	2,2
979523903	NMT PLUS PWM S 15/80-130	0,20	130	Rp 1	55	2,0
979523905	NMT PLUS PWM S 20/80-130	0,20	130	Rp ¾	55	2,1
979523907	NMT PLUS PWM S 25/80-130	0,20	130	Rp 1	55	2,2
979523909	NMT PLUS PWM S 20/40-180	0,16	180	Rp ¾	20	2,3
979523911	NMT PLUS PWM S 25/40-180	0,16	180	Rp 1	20	2,4
979523913	NMT PLUS PWM S 32/40-180	0,17	180	Rp 1¼	20	2,5
979523915	NMT PLUS PWM S 20/60-180	0,18	180	Rp ¾	35	2,3
979523917	NMT PLUS PWM S 25/60-180	0,18	180	Rp 1	35	2,4
979523919	NMT PLUS PWM S 32/60-180	0,19	180	Rp 1¼	35	2,5
979523921	NMT PLUS PWM S 20/80-180	0,20	180	Rp ¾	55	2,3
979523923	NMT PLUS PWM S 25/80-180	0,20	180	Rp 1	55	2,4
979523925	NMT PLUS PWM S 32/80-180	0,20	180	Rp 1¼	55	2,5

NMT PLUS PWM HEATING - digital input

Code	Type	EEI	Fitting length [mm]	Pipe connection	Pmax [W]	Weight [kg]
979523890	NMT PLUS PWM H 15/40-130	0,17	130	Rp ½	20	2,0
979523892	NMT PLUS PWM H 20/40-130	0,16	130	Rp ¾	20	2,1
979523894	NMT PLUS PWM H 25/40-130	0,16	130	Rp 1	20	2,2
979523896	NMT PLUS PWM H 15/60-130	0,19	130	Rp ½	35	2,0
979523898	NMT PLUS PWM H 20/60-130	0,18	130	Rp ¾	35	2,1
979523900	NMT PLUS PWM H 25/60-130	0,18	130	Rp 1	35	2,2
979523902	NMT PLUS PWM H 15/80-130	0,20	130	Rp ½	55	2,0
979523904	NMT PLUS PWM H 20/80-130	0,20	130	Rp ¾	55	2,1
979523906	NMT PLUS PWM H 25/80-130	0,20	130	Rp 1	55	2,2
979523908	NMT PLUS PWM H 20/40-180	0,16	180	Rp ¾	20	2,3
979523910	NMT PLUS PWM H 25/40-180	0,16	180	Rp 1	20	2,4
979523912	NMT PLUS PWM H 32/40-180	0,17	180	Rp 1¼	20	2,5
979523914	NMT PLUS PWM H 20/60-180	0,18	180	Rp ¾	35	2,3
979523916	NMT PLUS PWM H 25/60-180	0,18	180	Rp 1	35	2,4
979523918	NMT PLUS PWM H 32/60-180	0,19	180	Rp 1¼	35	2,5
979523920	NMT PLUS PWM H 20/80-180	0,20	180	Rp ¾	55	2,3
979523922	NMT PLUS PWM H 25/80-180	0,20	180	Rp 1	55	2,4
979523924	NMT PLUS PWM H 32/80-180	0,20	180	Rp 1¼	55	2,5

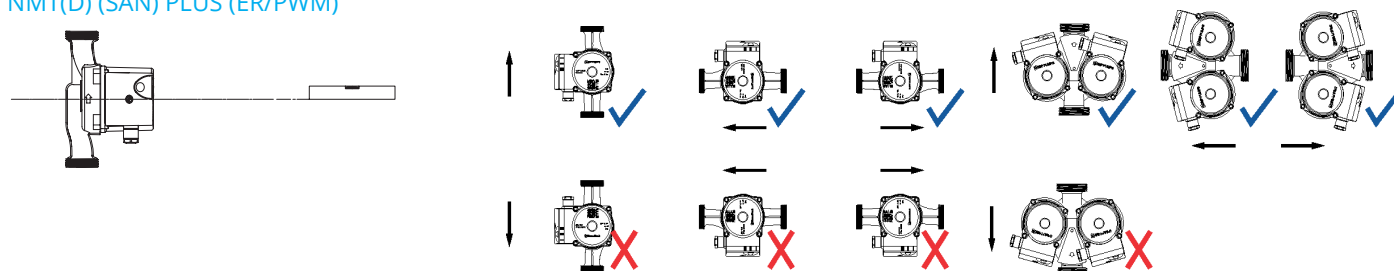
NMT SAN PLUS - for sanitary hot water systems

Code	Type	EEI	Fitting length [mm]	Pipe connection	Pmax [W]	Weight [kg]
979523931	NMT SAN PLUS 20/40-130	0,15	130	Rp ¾	20	2,25
979523932	NMT SAN PLUS 25/40-130	0,15	130	Rp 1	20	2,25
979523933	NMT SAN PLUS 20/60-130	0,17	130	Rp ¾	35	2,25
979523934	NMT SAN PLUS 25/60-130	0,17	130	Rp 1	35	2,25
979523935	NMT SAN PLUS 20/80-130	0,19	130	Rp ¾	55	2,25
979523936	NMT SAN PLUS 25/80-130	0,19	130	Rp 1	55	2,25

Installation

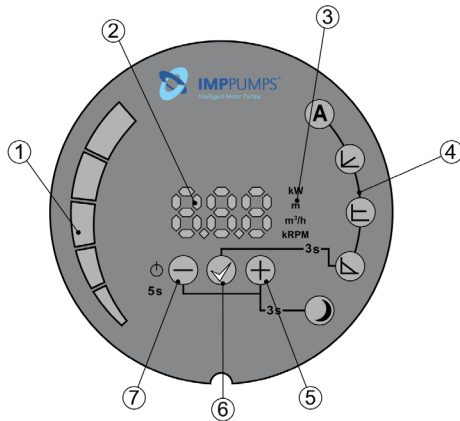
After installing the pump, the motor shaft have to remain in horizontal position.

NMT(D) (SAN) PLUS (ER/PWM)



DISPLAY OPERATION (NMT SMART, NMT MAX, NMT LAN)

With the use of the display panel, you can control and overview pump modes, on/off control, pump parameters and errors.



1. Bar graph display of pump parameters
2. Numeric display of values
3. Display of selected parameter
4. Display of selected mode
5. Selection key
6. Confirmation key
7. Selection key

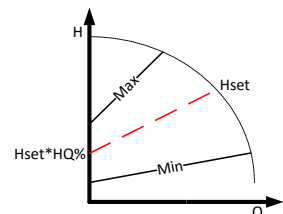
The pump can operate in 5 different modes. We can set the pump in the most appropriate mode, depending on the system where the pump operates.

(A) Automatic mode

In automatic mode the pump automatically sets the operating pressure, depending on the hydraulic system. By doing so, the pump finds the optimal operating position. This mode is recommended in most systems.

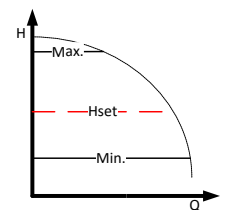
(L) Proportional pressure

The pump maintains the pressure with relation to the current flow. The pressure is equal to the set pressure (Hset on the drawing) at maximum power; at 0 flow it is equal to HQ % (default 50%, HQ % can be set on the pump webpage) of the set pressure. In between, the pressure changes linearly, relative to the flow. In regulated mode we can only set the pump pressure (Hset on the drawing).



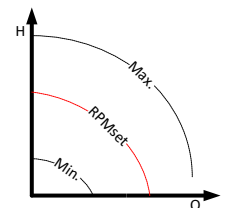
(E) Constant pressure

The pump maintains the currently set pressure (Hset on the drawing), from 0 flow to maximum power, where the pressure begins to drop. At constant pressure, we can only set the pressure (Hset on the drawing) which the pump will maintain.



(B) Constant speed

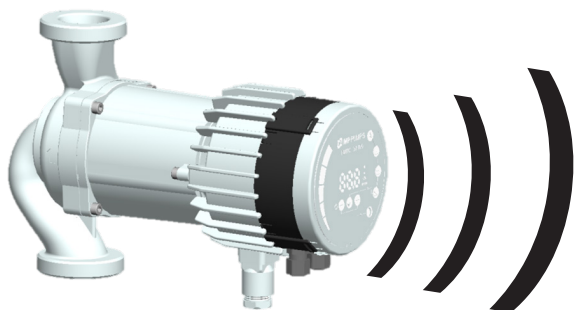
The pump operates with the currently set speed (RPMset on the drawing). In the unregulated mode, we can only set the speed at which the pump will operate.



(M) Night mode

Night mode can be activated in combination with any of the operating modes listed above, and allows the circulator to operate at a minimum curve (therefore with very low consumption) when it detects a decrease in liquid temperature of 15-20° C. When temperature rises, it automatically returns to normal operating curve (according to the selected mode).

Communication module



NMTC module can be optionally connected to:

- NMT SMART
- NMT MAX

NMTC module can be attached to the pump:

1. At the purchase (different code of the pump):

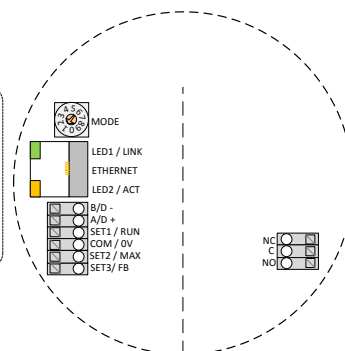
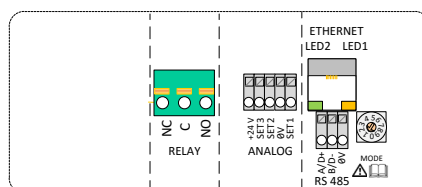
- NMT SMART C
- NMT MAX C
- MMT LAN C

2. Later after the pump is already running:

- NMT SMART → NMT SMART C
- NMT MAX → NMT MAX C

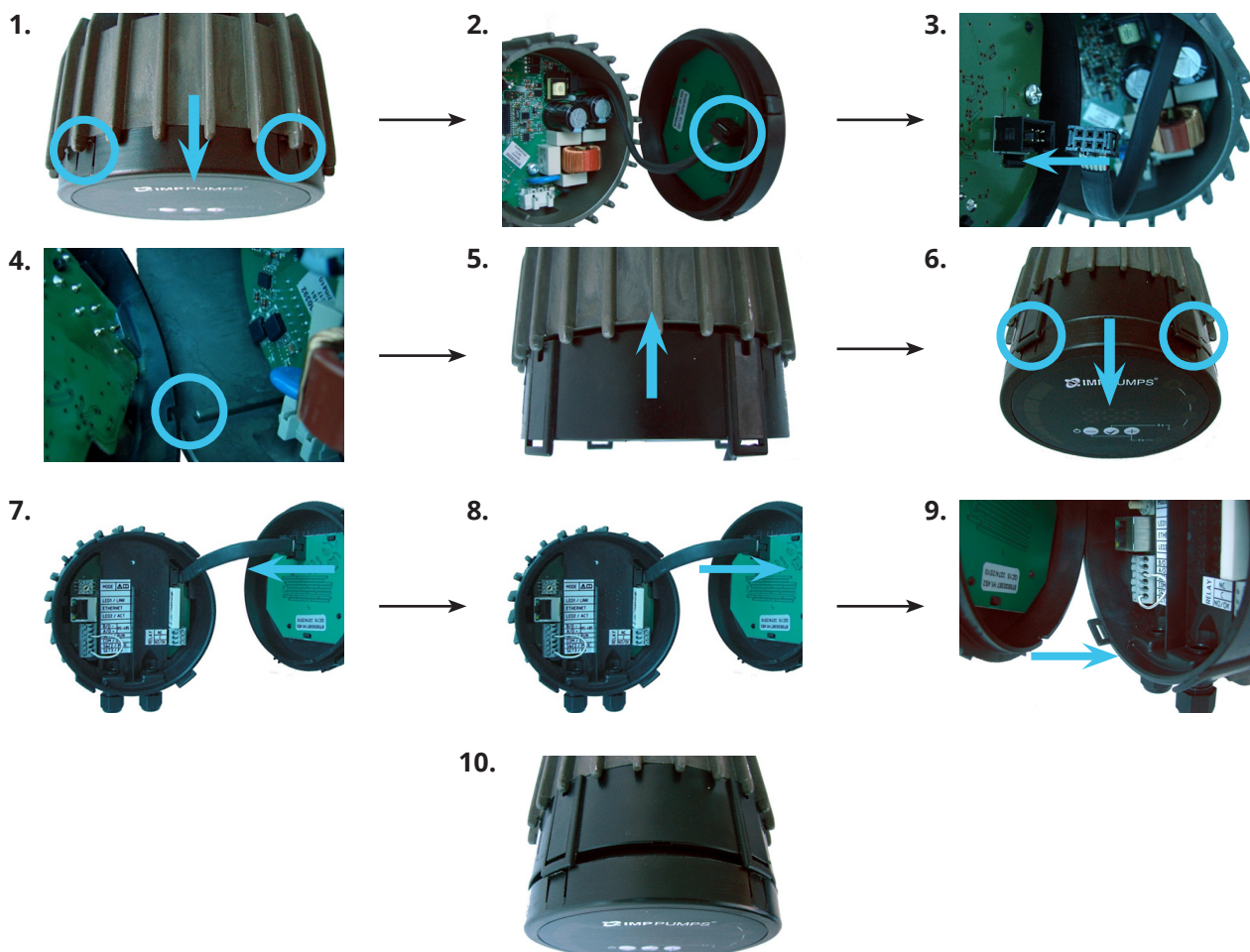
This module is used for various remote control applications, including:

- REMOTE ON/OFF
- ANALOG 0-10V VOLTAGE CONTROL
- MODBUS REMOTE CONTROL
- STATUS RELAY FEEDBACK
- WEB ACCESS OVER ETHERNET



EASY 10 STEP INSTALATION:

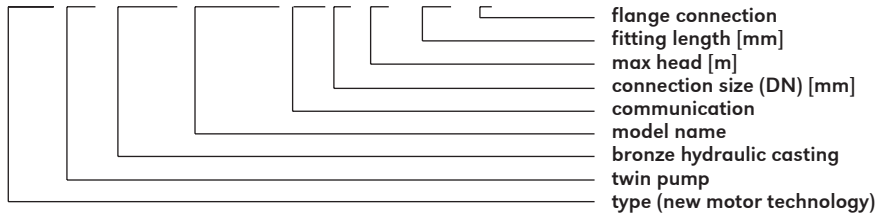
- You can attach the C MODULE, even after the pump is already installed and running.
- For the installation you need only 2.4 mm wide flat-bladed screwdriver (more in the photos below).



NMT SMART



NMT (D) (SAN) SMART (C) xx/xx - 180 (F)



Electronically controlled wet running circulating pump

For all heating systems, air conditioning, closed cooling circuits and industrial systems, used in accordance with VDI 2035 and ErP.

High efficient wet running pump with auto adapt function

- ECM permanent magnet technology with high energy efficiency
- LED display for control
- built-in electric protection
- easy handling and installation, low noise operation and automatic venting
- robust and compact construction for long life

Automatic operation

- Immediate adaptation to the system

Manual adjustment

- Proportional pressure, constant pressure, constant speed, night mode

Communication

SMART C - with NMTC communication module (option): Ethernet, Modbus RTU, analog control input 0-10V, 3 analog inputs/outputs, 1 rele output

Minimum inlet pressure

0.05 bar <75 ° C (fluid temperature)

0.28 bar <90 ° C (fluid temperature)

Material

Hydraulic casing	cast iron/bronze
Impeller	PES
Shaft	stainless steel AISI 316
Bearings	grafit
Rotor can	stainless steel AISI 316

Technical specification

Qmax	up to 12 m³/h
Hmax	up to 12 m
P	PN10 bar
DN	25/32/40/50
Pipe connection	Rp 1/ Rp 1¼
Installation	flange, threaded
Insulation class	F
Degree of protection	IP 44
Voltage	1 ~ 230V, 50 Hz

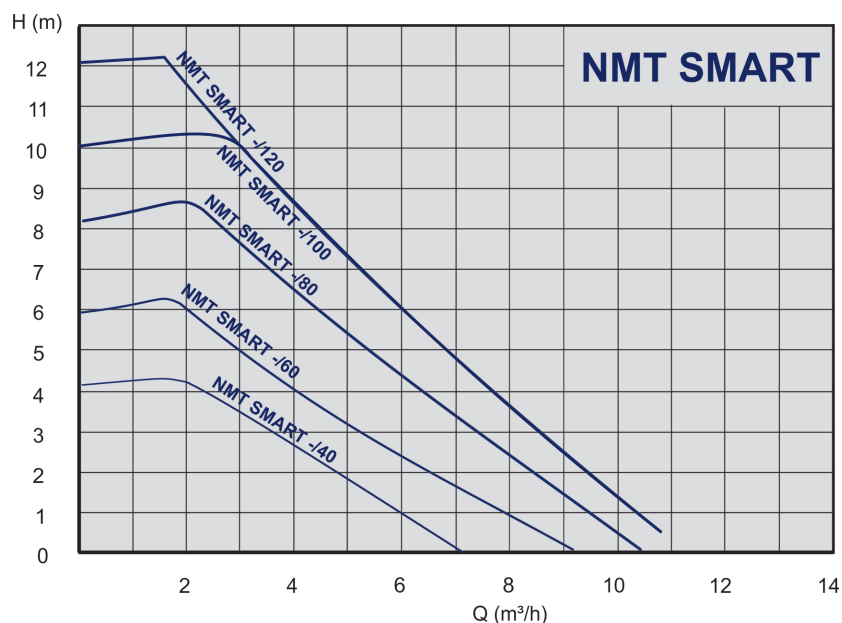
Permissible mediums

Water, mixed with glycol, parameters must be checked in the mixture of water with over 20% of glycol.

Pure, non-explosive liquid media free of mineral oils and solid particles. Medium temperature from + 2°C to + 110°C, ambient temperature with max. surroundings temperature 40°C.



Performance range



NMT SMART - threaded pumps

Code	Type	EEl	Fitting length L [mm]	Pipe connection	P _{max} [W]	Weight [kg]
979523477	NMT SMART 25/40-180	≤ 0,20	180	Rp 1	60	3,25
979523480	NMT SMART 25/60-180	≤ 0,20	180	Rp 1	90	3,25
979523484	NMT SMART 25/80-180	≤ 0,20	180	Rp 1	140	3,25
979523301	NMT SMART 25/100-180	≤ 0,20	180	Rp 1	180	3,25
979523664	NMT SMART 25/120-180	≤ 0,20	180	Rp 1	180	3,25
979523478	NMT SMART 32/40-180	≤ 0,20	180	Rp 1½	60	3,4
979523481	NMT SMART 32/60-180	≤ 0,20	180	Rp 1½	90	3,4
979523485	NMT SMART 32/80-180	≤ 0,20	180	Rp 1½	140	3,4
979523216	NMT SMART 32/100-180	≤ 0,20	180	Rp 1½	180	3,4
979523771	NMT SMART 32/120-180	≤ 0,20	180	Rp 1½	180	3,4

NMT SMART C - threaded pumps with communication module

Code	Type	EEl	Fitting length L [mm]	Pipe connection	P _{max} [W]	Weight [kg]
979523488	NMT SMART C 25/40-180	≤ 0,20	180	Rp 1	60	3,5
979523491	NMT SMART C 25/60-180	≤ 0,20	180	Rp 1	90	3,5
979523495	NMT SMART C 25/80-180	≤ 0,20	180	Rp 1	140	3,5
979523371	NMT SMART C 25/100-180	≤ 0,20	180	Rp 1	180	3,5
979524538	NMT SMART C 25/120-180	≤ 0,20	180	Rp 1	180	3,5
979523489	NMT SMART C 32/40-180	≤ 0,20	180	Rp 1½	60	3,65
979523492	NMT SMART C 32/60-180	≤ 0,20	180	Rp 1½	90	3,65
979523496	NMT SMART C 32/80-180	≤ 0,20	180	Rp 1½	140	3,65
979523367	NMT SMART C 32/100-180	≤ 0,20	180	Rp 1½	180	3,65
979524539	NMT SMART C 32/120-180	≤ 0,20	180	Rp 1½	180	3,65

NMTD SMART - threaded pumps, twin version

Code	Type	EEl	Fitting length L [mm]	Pipe connection	Pmax [W]	Weight [kg]
979523546	NMTD SMART 32/40-180	≤ 0,21	180	Rp 1¼	2x60	7,75
979523547	NMTD SMART 32/60-180	≤ 0,21	180	Rp 1¼	2x90	7,75
979523548	NMTD SMART 32/80-180	≤ 0,21	180	Rp 1¼	2x140	7,75
979523549	NMTD SMART 32/100-180	≤ 0,21	180	Rp 1¼	2x180	7,75
979524592	NMTD SMART 32/120-180	≤ 0,21	180	Rp 1¼	2x180	7,75

NMTD SMART C - threaded pumps, twin version with communication module

Code	Type	EEl	Fitting length L [mm]	Pipe connection	Pmax [W]	Weight [kg]
979523554	NMTD SMART C 32/40-180	≤ 0,21	180	Rp 1¼	2x60	8
979523555	NMTD SMART C 32/60-180	≤ 0,21	180	Rp 1¼	2x90	8
979523556	NMTD SMART C 32/80-180	≤ 0,21	180	Rp 1¼	2x140	8
979523557	NMTD SMART C 32/100-180	≤ 0,21	180	Rp 1¼	2x180	8
979524593	NMTD SMART C 32/120-180	≤ 0,21	180	Rp 1¼	2x180	8

NMT SMART F - flanged pumps

Code	Type	EEl	Fitting length L [mm]	Pipe connection	Pmax [W]	Weight [kg]
979523479	NMT SMART 32/40 F220	≤ 0,20	220	DN32	60	6,45
979523482	NMT SMART 32/60 F220	≤ 0,20	220	DN32	90	6,45
979523486	NMT SMART 32/80 F220	≤ 0,20	220	DN32	140	6,45
979523284	NMT SMART 32/100 F220	≤ 0,20	220	DN32	180	6,45
979523667	NMT SMART 32/120 F220	≤ 0,20	220	DN32	180	6,45
979523514	NMT SMART 40/40 F220	≤ 0,20	220	DN40	60	7,65
979523483	NMT SMART 40/60 F220	≤ 0,20	220	DN40	90	7,65
979523487	NMT SMART 40/80 F220	≤ 0,20	220	DN40	140	7,65
979523285	NMT SMART 40/100 F220	≤ 0,20	220	DN40	180	7,65
979524541	NMT SMART 40/120 F220	≤ 0,20	220	DN40	180	7,65
979523286	NMT SMART 50/100 F240	≤ 0,20	240	DN50	180	9,2
979524542	NMT SMART 50/120 F240	≤ 0,20	240	DN50	180	9,2

NMT SMART C F - flanged pumps with communication module

Code	Type	EEI	Fitting length L [mm]	Pipe connection	Pmax [W]	Weight [kg]
979523490	NMT SMART C 32/40 F220	≤ 0,20	220	DN32	60	6,7
979523493	NMT SMART C 32/60 F220	≤ 0,20	220	DN32	90	6,7
979523497	NMT SMART C 32/80 F220	≤ 0,20	220	DN32	140	6,7
979523368	NMT SMART C 32/100 F220	≤ 0,20	220	DN32	180	6,7
979524540	NMT SMART C 32/120 F220	≤ 0,20	220	DN32	180	6,7
979523515	NMT SMART C 40/40 F220	≤ 0,20	220	DN40	60	7,9
979523494	NMT SMART C 40/60 F220	≤ 0,20	220	DN40	90	7,9
979523498	NMT SMART C 40/80 F220	≤ 0,20	220	DN40	140	7,9
979523369	NMT SMART C 40/100 F220	≤ 0,20	220	DN40	180	7,9
979524543	NMT SMART C 40/120 F220	≤ 0,20	220	DN40	180	7,9
979523370	NMT SMART C 50/100 F240	≤ 0,20	240	DN50	180	9,45
979524544	NMT SMART C 50/120 F240	≤ 0,20	240	DN50	180	9,45

NMTD SMART F - flanged pumps, twin version

Code	Type	EEI	Fitting length L [mm]	Pipe connection	Pmax [W]	Weight [kg]
979523550	NMTD SMART 40/40 F220	≤ 0,21	220	DN40	2x60	11,25
979523551	NMTD SMART 40/60 F220	≤ 0,21	220	DN40	2x90	11,25
979523552	NMTD SMART 40/80 F220	≤ 0,21	220	DN40	2x140	11,25
979523553	NMTD SMART 40/100 F220	≤ 0,21	220	DN40	2x180	11,25
979524545	NMTD SMART 40/120 F220	≤ 0,21	220	DN40	2x180	11,25

NMTD SMART C F - flanged pumps, twin version with communication module

Code	Type	EEI	Fitting length L [mm]	Pipe connection	Pmax [W]	Weight [kg]
979523558	NMTD SMART C 40/40 F220	≤ 0,21	220	DN40	2x60	11,75
979523559	NMTD SMART C 40/60 F220	≤ 0,21	220	DN40	2x90	11,75
979523560	NMTD SMART C 40/80 F220	≤ 0,21	220	DN40	2x140	11,75
979523561	NMTD SMART C 40/100 F220	≤ 0,21	220	DN40	2x180	11,75
979524546	NMTD SMART C 40/120 F220	≤ 0,21	220	DN40	2x180	11,75

NMT SAN SMART - threaded bronze hydraulic pumps

Code	Type	EEI	Fitting length L [mm]	Pipe connection	Pmax [W]	Weight [kg]
979524527	NMT SAN SMART 25/40-180	≤ 0,20	180	Rp 1	60	3,73
979524528	NMT SAN SMART 25/60-180	≤ 0,20	180	Rp 1	90	3,73
979524529	NMT SAN SMART 25/80-180	≤ 0,20	180	Rp 1	140	3,73
979524530	NMT SAN SMART 25/100-180	≤ 0,20	180	Rp 1	180	3,73
979524531	NMT SAN SMART 25/120-180	≤ 0,20	180	Rp 1	180	3,73
979524479	NMT SAN SMART 32/40-180	≤ 0,20	180	Rp 1¼	60	3,75
979524480	NMT SAN SMART 32/60-180	≤ 0,20	180	Rp 1¼	90	3,75
979524481	NMT SAN SMART 32/80-180	≤ 0,20	180	Rp 1¼	140	3,75
979524482	NMT SAN SMART 32/100-180	≤ 0,20	180	Rp 1¼	180	3,75
979524483	NMT SAN SMART 32/120-180	≤ 0,20	180	Rp 1¼	180	3,75

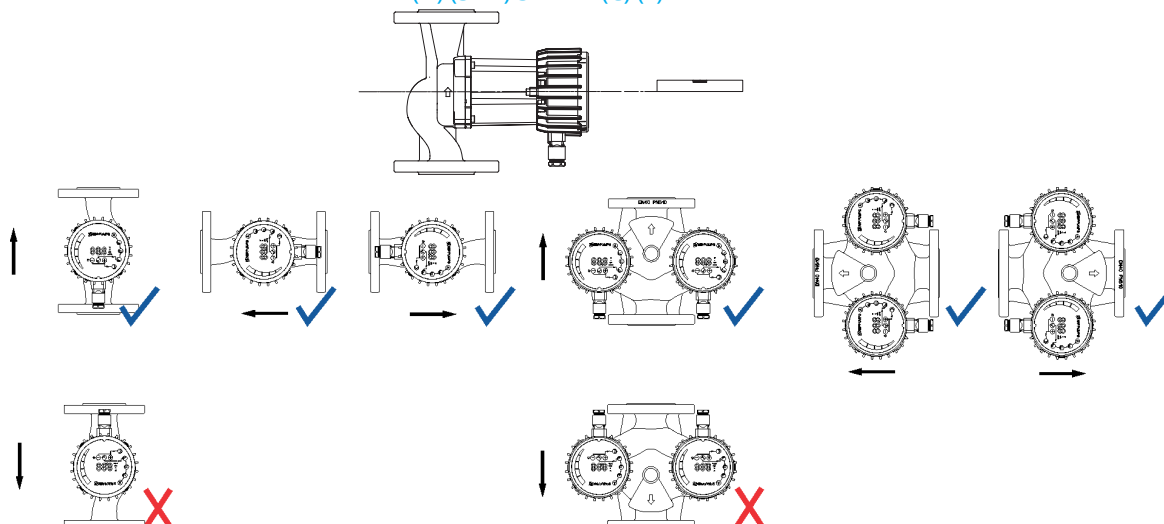
NMT SAN SMART C - threaded bronze hydraulic pumps with communication module

Code	Type	EEI	Fitting length L [mm]	Pipe connection	Pmax [W]	Weight [kg]
979524532	NMT SAN SMART C 25/40-180	≤ 0,20	180	Rp 1	60	3,98
979524533	NMT SAN SMART C 25/60-180	≤ 0,20	180	Rp 1	90	3,98
979524534	NMT SAN SMART C 25/80-180	≤ 0,20	180	Rp 1	140	3,98
979524535	NMT SAN SMART C 25/100-180	≤ 0,20	180	Rp 1	180	3,98
979524536	NMT SAN SMART C 25/120-180	≤ 0,20	180	Rp 1	180	3,98
979524484	NMT SAN SMART C 32/40-180	≤ 0,20	180	Rp 1¼	60	4
979524485	NMT SAN SMART C 32/60-180	≤ 0,20	180	Rp 1¼	90	4
979524486	NMT SAN SMART C 32/80-180	≤ 0,20	180	Rp 1¼	140	4
979524487	NMT SAN SMART C 32/100-180	≤ 0,20	180	Rp 1¼	180	4
979524488	NMT SAN SMART C 32/120-180	≤ 0,20	180	Rp 1¼	180	4

Installation

After installing the pump, the motor shaft have to remain in horizontal position.

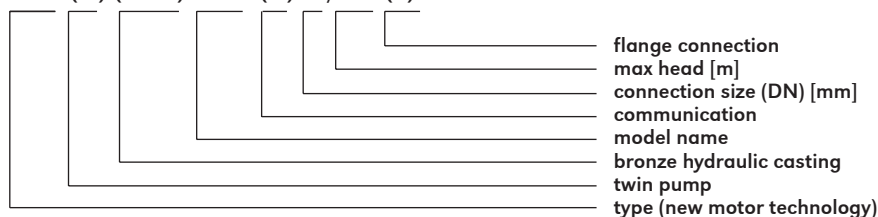
NMT(D) (SAN) SMART (C) (F)



NMT MAX



NMT (D) (SAN) MAX (C) xx/xxx (F)



Electronically controlled wet running circulating pump

For all heating systems, air conditioning, closed cooling circuits and industrial systems, used in accordance with VDI 2035 and ErP.

High efficient wet running pump with auto adapt function

- ECM permanent magnet technology with high energy efficiency
- LED display for control
- built-in electric protection
- easy handling and installation, low noise operation and automatic venting
- robust and compact construction for long life

Automatic operation

- Immediate adaptation to the system

Manual adjustment

- Proportional pressure, constant pressure, constant speed, night mode

Communication

MAX C - with NMTC communication module (option): Ethernet, Modbus RTU, analog control input 0-10V, 3 analog inputs/outputs, 1 rele output

Minimum inlet pressure

0.05 bar <75 ° C (fluid temperature)

0.28 bar <90 ° C (fluid temperature)

Material

Hydraulic casing	cast iron/bronze
Impeller	PES
Shaft	stainless steel AISI 316
Bearings	grafit
Rotor can	stainless steel AISI 316

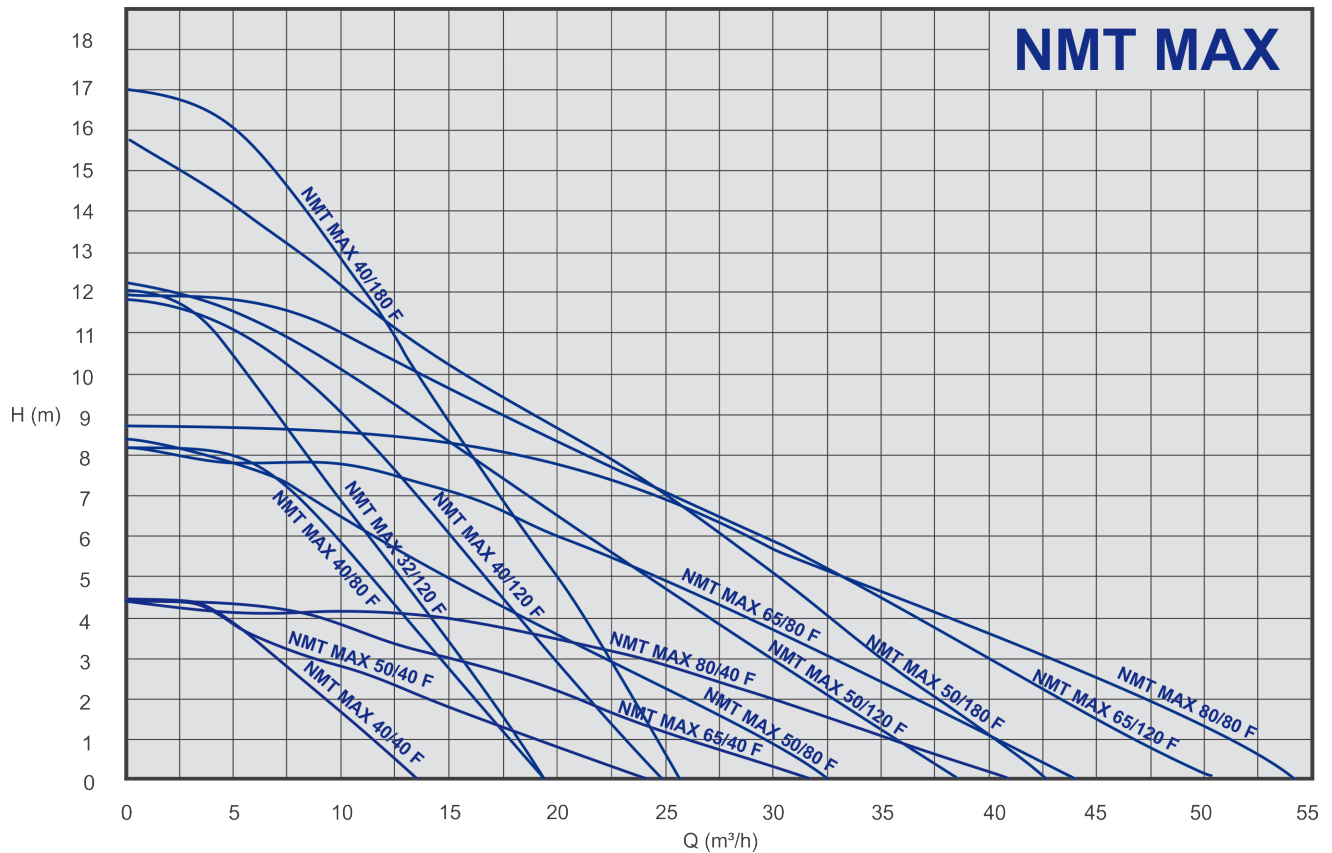
Technical specification

Qmax	up to 55 m³/h
Hmax	up to 16,5 m
p	PN 6/10 bar
DN	40/50/65/80
Installation	flange
Insulation class	F
Degree of protection	IP 44
Voltage	1 ~ 230V, 50 Hz

Permissible mediums

Water, mixed with glycol, parameters must be checked in the mixture of water with over 20% of glycol. Pure, non-explosive liquid media free of mineral oils and solid particles. Medium temperature from + 2°C to + 110°C, ambient temperature with max. surroundings temperature 40°C.

Performance range



NMT MAX - flanged pumps

Code	Type	EEl	Fitting length L [mm]	Pipe connection	PN	P _{max} [W]	Weight [kg]
979524665	NMT MAX 32/120 F220	≤ 0,22	220	DN32	PN6/10	370	9,1
979523694	NMT MAX 40/40 F220	≤ 0,20	220	DN40	PN6/10	110	7,75
979524027	NMT MAX 40/40 F250	≤ 0,20	250	DN40	PN6/10	110	8,2
979523863	NMT MAX 40/80 F220	≤ 0,21	220	DN40	PN6/10	270	9,15
979523861	NMT MAX 40/80 F250	≤ 0,21	250	DN40	PN6/10	270	9,6
979523839	NMT MAX 40/120 F220	≤ 0,20	220	DN40	PN6/10	480	9,5
979523502	NMT MAX 40/120 F250	≤ 0,20	250	DN40	PN6/10	480	9,95
979524492	NMT MAX 40/180 F220	≤ 0,23	220	DN40	PN6/10	680	13,85
979524490	NMT MAX 40/180 F250	≤ 0,23	250	DN40	PN6/10	680	14,2
979524522	NMT MAX 50/40 F280	≤ 0,23	280	DN50	PN6/10	160	10,8
979524547	NMT MAX 50/80 F280	≤ 0,22	280	DN50	PN6/10	370	12,35
979523869	NMT MAX 50/120 F280	≤ 0,20	280	DN50	PN6/10	560	13
979524898	NMT MAX 50/180 F280	≤ 0,20	280	DN50	PN6/10	830	15,9
979524756	NMT MAX 65/40 F340	≤ 0,23	340	DN65	PN6/10	230	15,95
979524757	NMT MAX 65/80 F340	≤ 0,22	340	DN65	PN6/10	560	16,65
979524758	NMT MAX 65/120 F340	≤ 0,20	340	DN65	PN6/10	810	19,3
979524774	NMT MAX 80/40 F360 PN6	≤ 0,20	360	DN80	PN6	390	23,4
979524780	NMT MAX 80/40 F360 PN10	≤ 0,20	360	DN80	PN10	390	23,4
979524775	NMT MAX 80/80 F360 PN6	≤ 0,20	360	DN80	PN6	800	25,85
979524781	NMT MAX 80/80 F360 PN10	≤ 0,20	360	DN80	PN10	800	25,85

NMT MAX C - flanged fump with communication module

Code	Type	EEI	Fitting length L [mm]	Pipe connection	PN	P _{max} [W]	Weight [kg]
979524666	NMT MAX C 32/120 F220	≤ 0,22	220	DN32	PN6/10	370	9,35
979524026	NMT MAX C 40/40 F220	≤ 0,20	220	DN40	PN6/10	110	8
979523695	NMT MAX C 40/40 F250	≤ 0,20	250	DN40	PN6/10	110	8,45
979523867	NMT MAX C 40/80 F220	≤ 0,21	220	DN40	PN6/10	270	9,4
979523865	NMT MAX C 40/80 F250	≤ 0,21	250	DN40	PN6/10	270	9,85
979523840	NMT MAX C 40/120 F220	≤ 0,20	220	DN40	PN6/10	480	9,75
979523503	NMT MAX C 40/120 F250	≤ 0,20	250	DN40	PN6/10	480	10,2
979524493	NMT MAX C 40/180 F220	≤ 0,23	220	DN40	PN6/10	680	14,1
979524491	NMT MAX C 40/180 F250	≤ 0,23	250	DN40	PN6/10	680	14,45
979524523	NMT MAX C 50/40 F280	≤ 0,23	280	DN50	PN6/10	160	11,05
979524548	NMT MAX C 50/80 F280	≤ 0,22	280	DN50	PN6/10	370	12,6
979524028	NMT MAX C 50/120 F280	≤ 0,20	280	DN50	PN6/10	560	13,25
979524939	NMT MAX C 50/180 F280	≤ 0,20	280	DN50	PN6/10	830	16,15
979524762	NMT MAX C 65/40 F340	≤ 0,23	340	DN65	PN6/10	230	16,2
979524763	NMT MAX C 65/80 F340	≤ 0,22	340	DN65	PN6/10	560	16,9
979524764	NMT MAX C 65/120 F340	≤ 0,20	340	DN65	PN6/10	810	19,55
979524777	NMT MAX C 80/40 F360 PN6	≤ 0,20	360	DN80	PN6	390	23,65
979524783	NMT MAX C 80/40 F360 PN10	≤ 0,20	360	DN80	PN10	390	23,65
979524778	NMT MAX C 80/80 F360 PN6	≤ 0,20	360	DN80	PN6	800	26,1
979524784	NMT MAX C 80/80 F360 PN10	≤ 0,20	360	DN80	PN10	800	26,1

NMTD MAX - twin pump

Code	Type	EEI	Fitting length L [mm]	Pipe connection	PN	P _{max} [W]	Weight [kg]
979524667	NMTD MAX 32/120 F220	≤ 0,22	220	DN32	PN6/10	2x370	
979524032	NMTD MAX 40/40 F220	≤ 0,21	220	DN40	PN6/10	2x110	
979524034	NMTD MAX 40/40 F250	≤ 0,21	250	DN40	PN6/10	2x110	14,25
979524518	NMTD MAX 40/80 F220	≤ 0,21	220	DN40	PN6/10	2x270	
979524519	NMTD MAX 40/80 F250	≤ 0,21	250	DN40	PN6/10	2x270	16,7
979523708	NMTD MAX 40/120 F220	≤ 0,21	220	DN40	PN6/10	2x480	
979523710	NMTD MAX 40/120 F250	≤ 0,21	250	DN40	PN6/10	2x480	16,85
979524496	NMTD MAX 40/180 F220	≤ 0,23	220	DN40	PN6/10	2x680	
979524494	NMTD MAX 40/180 F250	≤ 0,23	250	DN40	PN6/10	2x680	25
979524524	NMTD MAX 50/40 F280	≤ 0,23	280	DN50	PN6/10	2x160	19,56
979524549	NMTD MAX 50/80 F280	≤ 0,22	280	DN50	PN6/10	2x370	22,38
979523997	NMTD MAX 50/120 F280	≤ 0,21	280	DN50	PN6/10	2x560	23,55
979524940	NMTD MAX 50/180 F280	≤ 0,20	280	DN50	PN6/10	2x830	28,8
979524768	NMTD MAX 65/40 F340	≤ 0,23	340	DN65	PN6/10	2x230	32,15
979524769	NMTD MAX 65/80 F340	≤ 0,22	340	DN65	PN6/10	2x560	32,7
979524770	NMTD MAX 65/120 F340	≤ 0,20	340	DN65	PN6/10	2x810	38,4
979524786	NMTD MAX 80/40 F360 PN6	≤ 0,22	360	DN80	PN6	2x390	
979524792	NMTD MAX 80/40 F360 PN10	≤ 0,22	360	DN80	PN10	2x390	
979524787	NMTD MAX 80/80 F360 PN6	≤ 0,20	360	DN80	PN6	2x800	
979524793	NMTD MAX 80/80 F360 PN10	≤ 0,20	360	DN80	PN10	2x800	

NMTD MAX C - twin pump with communication module

Code	Type	EEI	Fitting length L [mm]	Pipe connection	PN	Pmax [W]	Weight [kg]
979524668	NMTD MAX C 32/120 F220	≤ 0,22	220	DN32	PN6/10	2x370	
979524033	NMTD MAX C 40/40 F220	≤ 0,21	220	DN40	PN6/10	2x110	
979524035	NMTD MAX C 40/40 F250	≤ 0,21	250	DN40	PN6/10	2x110	14,75
979524520	NMTD MAX C 40/80 F220	≤ 0,21	220	DN40	PN6/10	2x270	
979524521	NMTD MAX C 40/80 F250	≤ 0,21	250	DN40	PN6/10	2x270	17,2
979523709	NMTD MAX C 40/120 F220	≤ 0,21	220	DN40	PN6/10	2x480	
979523711	NMTD MAX C 40/120 F250	≤ 0,21	250	DN40	PN6/10	2x480	17,35
979524497	NMTD MAX C 40/180 F220	≤ 0,23	220	DN40	PN6/10	2x680	
979524495	NMTD MAX C 40/180 F250	≤ 0,23	250	DN40	PN6/10	2x680	25,5
979524525	NMTD MAX C 50/40 F280	≤ 0,23	280	DN50	PN6/10	2x160	20,06
979524550	NMTD MAX C 50/80 F280	≤ 0,22	280	DN50	PN6/10	2x370	22,88
979524029	NMTD MAX C 50/120 F280	≤ 0,21	280	DN50	PN6/10	2x560	24,05
979524941	NMTD MAX C 50/180 F280	≤ 0,20	280	DN50	PN6/10	2x830	29,3
979524771	NMTD MAX C 65/40 F340	≤ 0,23	340	DN65	PN6/10	2x230	32,65
979524772	NMTD MAX C 65/80 F340	≤ 0,22	340	DN65	PN6/10	2x560	33,2
979524773	NMTD MAX C 65/120 F340	≤ 0,20	340	DN65	PN6/10	2x810	38,9
979524789	NMTD MAX C 80/40 F360 PN6	≤ 0,22	360	DN80	PN6	2x390	
979524795	NMTD MAX C 80/40 F360 PN10	≤ 0,22	360	DN80	PN10	2x390	
979524790	NMTD MAX C 80/80 F360 PN6	≤ 0,20	360	DN80	PN6	2x800	
979524796	NMTD MAX C 80/80 F360 PN10	≤ 0,20	360	DN80	PN10	2x800	

NMT SAN MAX - bronze hydraulic pumps

Code	Type	EEI	Fitting length L [mm]	Pipe connection	PN	Pmax [W]	Weight [kg]
979524892	NMT SAN MAX 40/40 F250	≤ 0,20	250	DN40	PN6/10	110	10,35
979524556	NMT SAN MAX 40/80 F250	≤ 0,21	250	DN40	PN6/10	270	11,75
979524557	NMT SAN MAX 40/120 F250	≤ 0,20	250	DN40	PN6/10	480	12,1
979524891	NMT SAN MAX 40/180 F250	≤ 0,23	250	DN40	PN6/10	680	16,35
979524896	NMT SAN MAX 50/40 F280	≤ 0,23	280	DN50	PN6/10	160	
979524560	NMT SAN MAX 50/80 F280	≤ 0,22	280	DN50	PN6/10	370	
979524561	NMT SAN MAX 50/120 F280	≤ 0,20	280	DN50	PN6/10	560	16,5
979524942	NMT SAN MAX 50/180 F280	≤ 0,20	280	DN50	PN6/10	830	
979524759	NMT SAN MAX 65/40 F340	≤ 0,23	340	DN65	PN6/10	230	
979524760	NMT SAN MAX 65/80 F340	≤ 0,22	340	DN65	PN6/10	560	
979524761	NMT SAN MAX 65/120 F340	≤ 0,20	340	DN65	PN6/10	810	

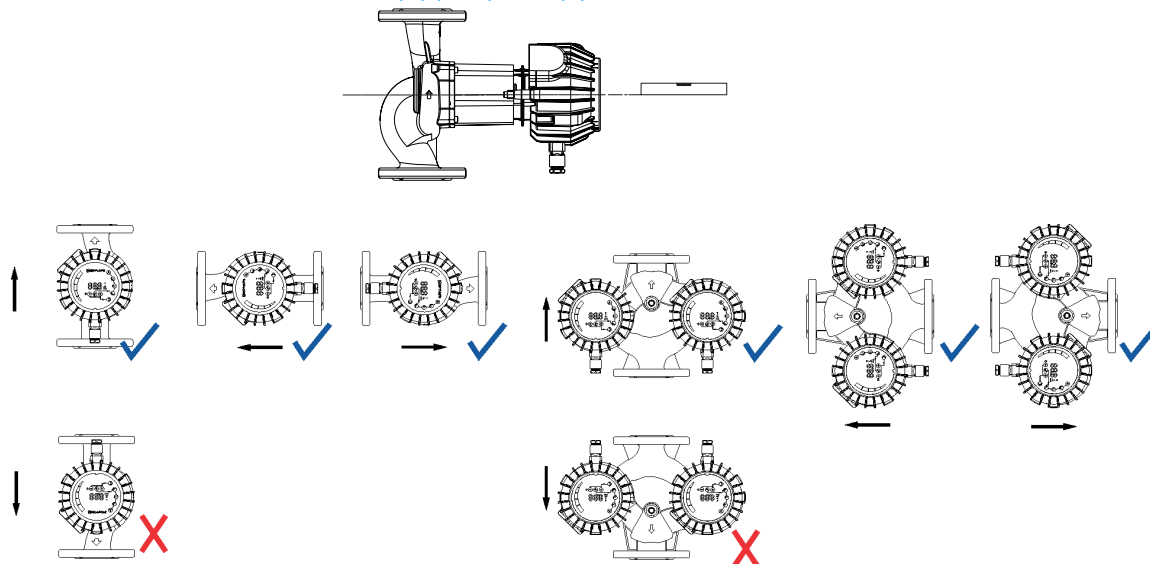
NMT SAN MAX C - bronze hydraulic pumps with communication module

Code	Type	EEl	Fitting length L [mm]	Pipe connection	PN	P _{max} [W]	Weight [kg]
979524894	NMT SAN MAX C 40/40 F250	≤ 0,20	250	DN40	PN6/10	110	10,6
979524558	NMT SAN MAX C 40/80 F250	≤ 0,21	250	DN40	PN6/10	270	12
979524559	NMT SAN MAX C 40/120 F250	≤ 0,20	250	DN40	PN6/10	480	12,35
979524893	NMT SAN MAX C 40/180 F250	≤ 0,23	250	DN40	PN6/10	680	16,6
979524897	NMT SAN MAX C 50/40 F280	≤ 0,23	280	DN50	PN6/10	160	
979524562	NMT SAN MAX C 50/80 F280	≤ 0,22	280	DN50	PN6/10	370	
979524563	NMT SAN MAX C 50/120 F280	≤ 0,20	280	DN50	PN6/10	560	17
979524943	NMT SAN MAX C 50/180 F280	≤ 0,20	280	DN50	PN6/10	830	
979524765	NMT SAN MAX C 65/40 F340	≤ 0,23	340	DN65	PN6/10	230	
979524766	NMT SAN MAX C 65/80 F340	≤ 0,22	340	DN65	PN6/10	560	
979524767	NMT SAN MAX C 65/120 F340	≤ 0,20	340	DN65	PN6/10	810	

Installation

After installing the pump, the motor shaft have to remain in horizontal position.

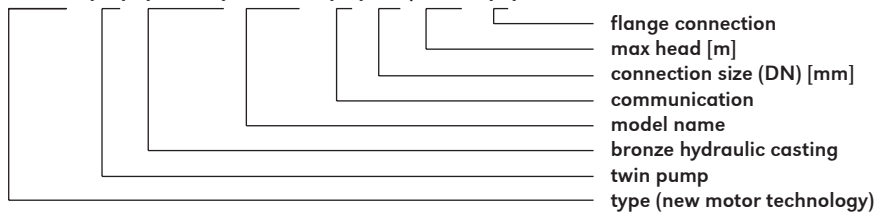
NMT(D) (SAN) MAX (C) F



NMT LAN



NMT (D) (SAN) LAN (C) xx/xxx (F)



Electronically controlled wet running circulating pump

For all heating systems, air conditioning, closed cooling circuits and industrial systems, used in accordance with VDI 2035 and ErP.

High efficient wet running pump with auto adapt function

- ECM permanent magnet technology with high energy efficiency
- LED display for control
- Integrated web server for controlling pumps
- built-in electric and thermal protection
- easy handling and installation, low noise operation and automatic venting
- robust and compact construction for long life

Automatic operation

- Immediate adaptation to the system

Manual adjustment

- Proportional pressure, constant pressure, constant speed, night mode

Communication

NMT LAN - Ethernet, 2 digital inputs, 1 relay output

NMT LAN C - Ethernet, Modbus RTU, 3 analog inputs/outputs (0-10V), 1 relay output

Minimum inlet pressure

0.05 bar < 50°C (fluid temperature)

0.8 bar < 80°C (fluid temperature)

1,4 bar < 110 (fluid temperature)

Material

Hydraulic casing	cast iron/bronze
Impeller	stainless steel AISI 316
Shaft	stainless steel AISI 316
Bearings	grafit
Rotor can	stainless steel AISI 316

Technical specification

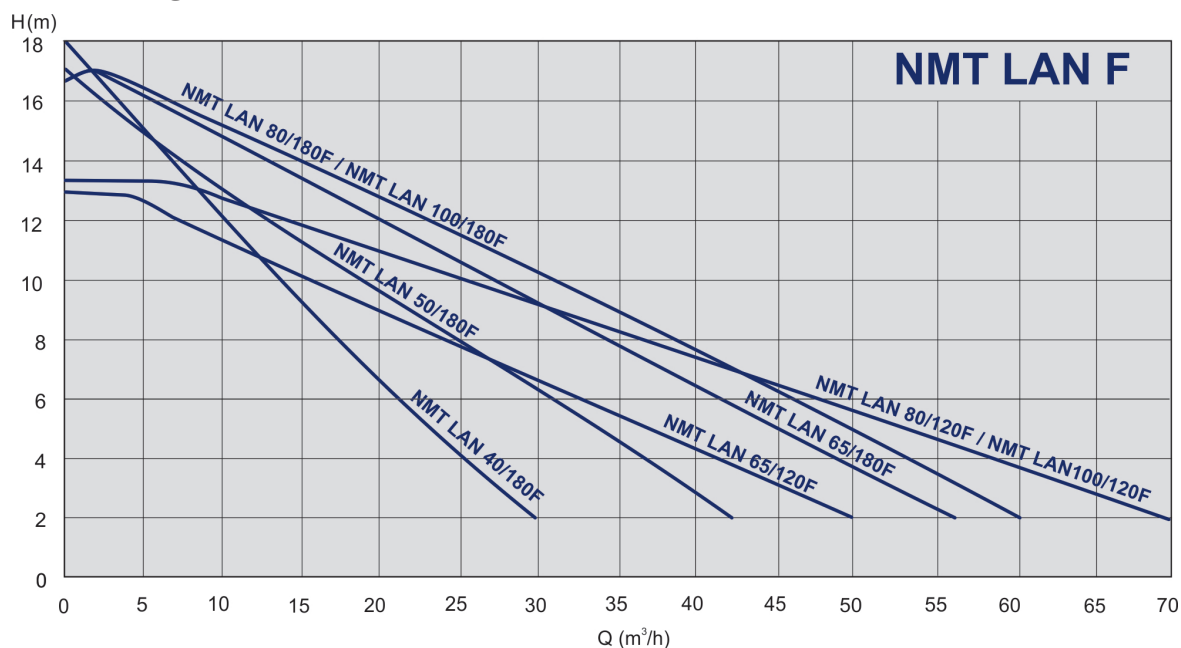
Qmax	up to 78 m³/h
Hmax	up to 18 m
p	PN 6/10 bar
DN	40/50/65/80/100
Installation	flange
Insulation class	H
Degree of protection	IP 44
Voltage	1 ~ 230V, 50 Hz

Permissible mediums

Water, mixed with glycol, parameters must be checked in the mixture of water with over 20% of glycol. Pure, non-explosive liquid media free of mineral oils and solid particles. Medium temperature from -10°C to +110°C, ambient temperature with max. surroundings temperature 40°C.



Performance range



NMT LAN xx F - flanged pumps

Code	Type	EEI	Fitting length L [mm]	Pipe connection	PN	P _{max} [W]	Weight [kg]
979523651	NMT LAN 40/180 F250	≤ 0,23	250	DN40	PN6/10	800	30,5
979523652	NMT LAN 50/180 F280	≤ 0,23	280	DN50	PN6/10	1100	35,2
979523462	NMT LAN 65/120 F340	≤ 0,23	340	DN65	PN6/10	1100	35,2
979523653	NMT LAN 65/180 F340	≤ 0,23	340	DN65	PN6/10	1500	42,1
979523463	NMT LAN 80/120 F360 PN6	≤ 0,23	360	DN80	PN6	1600	42,1
979523464	NMT LAN 80/120 F360 PN10	≤ 0,23	360	DN80	PN10	1600	42,1
979523654	NMT LAN 80/180 F360 PN6	≤ 0,23	360	DN80	PN6	1600	42,1
979523655	NMT LAN 80/180 F360 PN10	≤ 0,23	360	DN80	PN10	1600	42,1
979523465	NMT LAN 100/120 F360 PN6	≤ 0,23	360	DN100	PN6	1600	42,1
979523466	NMT LAN 100/120 F360 PN10	≤ 0,23	360	DN100	PN10	1600	42,1
979523656	NMT LAN 100/180 F360 PN6	≤ 0,23	360	DN100	PN6	1600	42,1
979523657	NMT LAN 100/180 F360 PN10	≤ 0,23	360	DN100	PN10	1600	42,1

NMT LAN C xx F - flanged pumps with communication module

Code	Type	EEI	Fitting length L [mm]	Pipe connection	PN	P _{max} [W]	Weight [kg]
979523714	NMT LAN C 40/180 F250	≤ 0,23	250	DN40	PN6/10	800	30,5
979523715	NMT LAN C 50/180 F280	≤ 0,23	280	DN50	PN6/10	1000	35,2
979523614	NMT LAN C 65/120 F340	≤ 0,23	340	DN65	PN6/10	1100	35,2
979523716	NMT LAN C 65/180 F340	≤ 0,23	340	DN65	PN6/10	1500	42,1
979523615	NMT LAN C 80/120 F360 PN 6	≤ 0,23	360	DN80	PN6	1600	42,1
979523616	NMT LAN C 80/120 F360 PN 10	≤ 0,23	360	DN80	PN10	1600	42,1
979523717	NMT LAN C 80/180 F360 PN 6	≤ 0,23	360	DN80	PN6	1600	42,1
979523718	NMT LAN C 80/180 F360 PN 10	≤ 0,23	360	DN80	PN10	1600	42,1
979523617	NMT LAN C 100/120 F360 PN 6	≤ 0,23	360	DN100	PN6	1600	42,1
979523618	NMT LAN C 100/120 F360 PN 10	≤ 0,23	360	DN100	PN10	1600	42,1
979523719	NMT LAN C 100/180 F360 PN 6	≤ 0,23	360	DN100	PN6	1600	42,1
979523720	NMT LAN C 100/180 F360 PN 10	≤ 0,23	360	DN100	PN10	1600	42,1

NMTD LAN xx F - twin pumps

Code	Type	EEI	Fitting length L [mm]	Pipe connection	PN	P _{max} [W]	Weight [kg]
979523658	NMTD LAN 40/180 F250	≤ 0,23	250	DN40	PN6/10	2x800	73,7
979523659	NMTD LAN 50/180 F280	≤ 0,23	280	DN50	PN6/10	2x1100	73,7
979523469	NMTD LAN 65/120 F340	≤ 0,23	340	DN65	PN6/10	2x1100	73,7
979523660	NMTD LAN 65/180 F340	≤ 0,23	340	DN65	PN6/10	2x1500	73,7
979523470	NMTD LAN 80/120 F360 PN 6	≤ 0,23	360	DN80	PN6	2x1600	87,2
979523471	NMTD LAN 80/120 F360 PN 10	≤ 0,23	360	DN80	PN10	2x1600	87,2
979523661	NMTD LAN 80/180 F360 PN 6	≤ 0,23	360	DN80	PN6	2x1600	87,2
979523662	NMTD LAN 80/180 F360 PN 10	≤ 0,23	360	DN80	PN10	2x1600	87,2

NMTD LAN C xx F - twin pumps with communication module

Code	Type	EEI	Fitting length L [mm]	Pipe connection	PN	P _{max} [W]	Weight [kg]
979523721	NMTD LAN C 40/180 F250	≤ 0,23	250	DN40	PN6/10	2x800	73,7
979523722	NMTD LAN C 50/180 F280	≤ 0,23	280	DN50	PN6/10	2x1000	73,7
979523627	NMTD LAN C 65/120 F340	≤ 0,23	340	DN65	PN6/10	2x1100	73,7
979523723	NMTD LAN C 65/180 F340	≤ 0,23	340	DN65	PN6/10	2x1500	73,7
979523628	NMTD LAN C 80/120 F360 PN 6	≤ 0,23	360	DN80	PN6	2x1600	87,2
979523629	NMTD LAN C 80/120 F360 PN 10	≤ 0,23	360	DN80	PN10	2x1600	87,2
979523724	NMTD LAN C 80/180 F360 PN 6	≤ 0,23	360	DN80	PN6	2x1600	87,2
979523725	NMTD LAN C 80/180 F360 PN 10	≤ 0,23	360	DN80	PN10	2x1600	87,2

NMT SAN LAN xx F - bronze hydraulic pumps

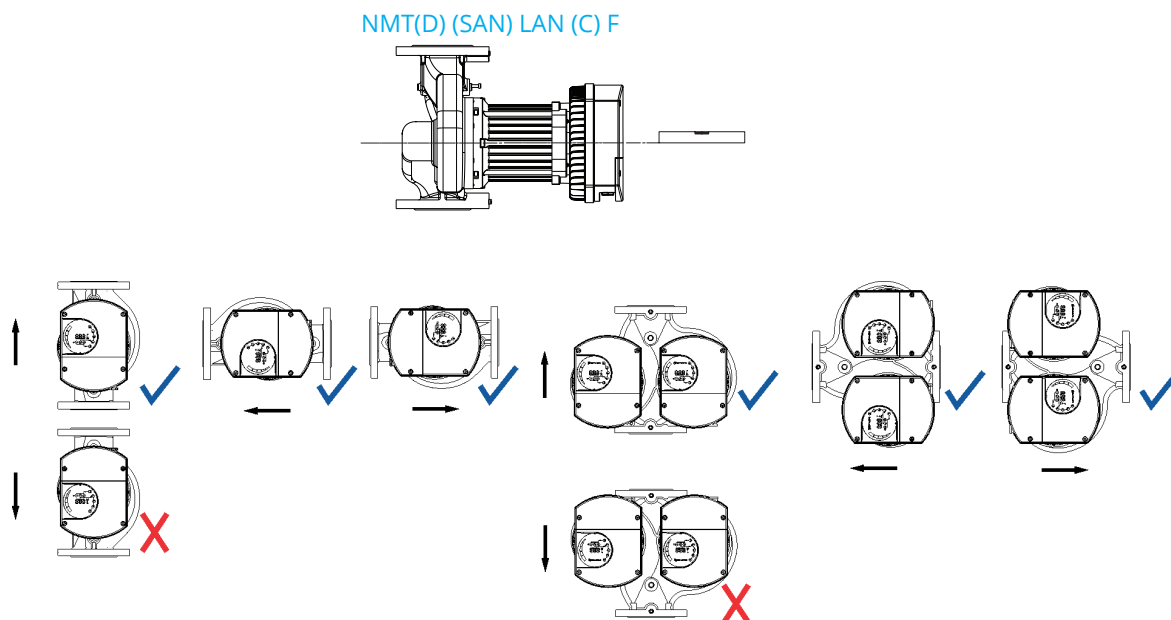
Code	Type	EEI	Fitting length L [mm]	Pipe connection	PN	Pmax [W]	Weight [kg]
979523606	NMT SAN LAN 40/120 F250	≤ 0,23	250	DN40	PN6/10	500	
979523607	NMT SAN LAN 50/120 F280	≤ 0,23	280	DN50	PN6/10	800	
979523608	NMT SAN LAN 65/120 F340	≤ 0,23	340	DN65	PN6/10	1100	

NMT SAN LAN C xx F - bronze hydraulic pumps with communication module

Code	Type	EEI	Fitting length L [mm]	Pipe connection	PN	Pmax [W]	Weight [kg]
979523609	NMT SAN LAN C 40/120 F250	≤ 0,23	250	DN40	PN6/10	500	
979523610	NMT SAN LAN C 50/120 F280	≤ 0,23	280	DN50	PN6/10	800	
979523611	NMT SAN LAN C 65/120 F340	≤ 0,23	340	DN65	PN6/10	1100	

Installation

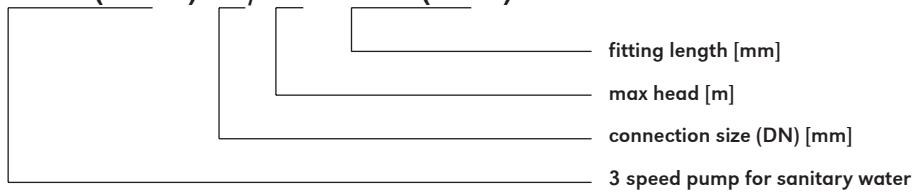
After installing the pump, the motor shaft have to remain in horizontal position.



SAN (small pumps) - pumps for sanitary water



SAN (ECO) xx/xx - 130 (180)



SAN ECO 15/15

High efficient, manually adjustable circulating pumps for hot water.
 The spherical motor - without shaft, bronzed body.

4 versions of pumps:

B	basic version
BU	with timer
BTU	with thermostat and timer
BT	with thermostat (range 20 - 70°C)

SAN xx / xx - 130 (180)

3-speed pump for circulating water
 Bronze body, robust construction, maintenance-free operation

Minimum inlet pressure

0.05 bar < 75°C (fluid temperature)
 0.28 bar < 90°C (fluid temperature)

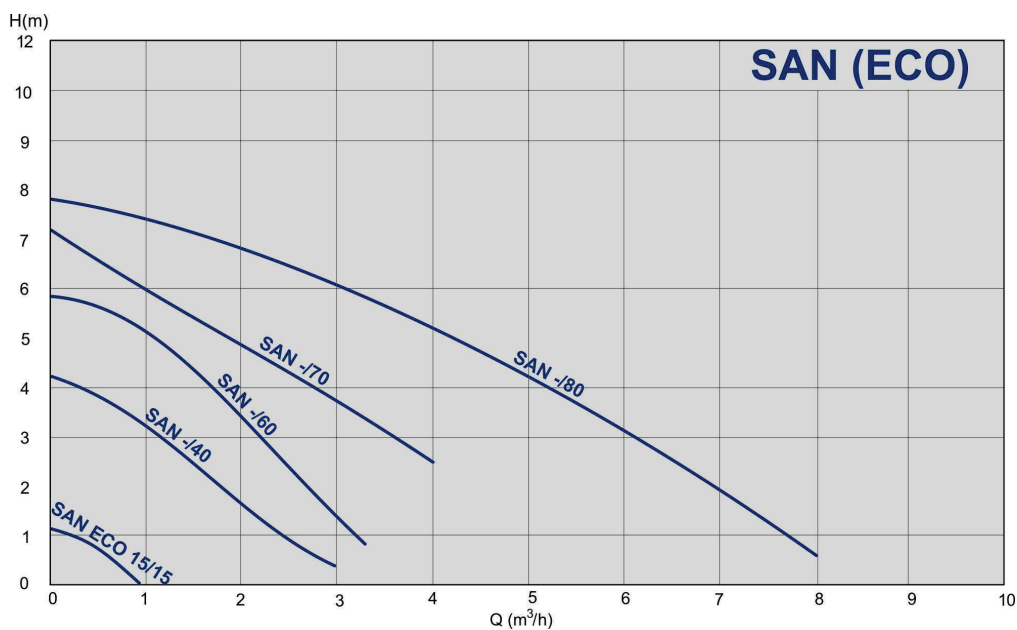
Material	
Hydraulic casing	bronze
Impeller	polyamid, PES
Shaft	stainless steel AISI 316/ceramics
Bearings	grazit/ceramics
Rotor can	stainless steel AISI 316

Technical specification

Qmax	up to 8,4 m³/h
Hmax	up to 8 m
DN	15/20/25/32
Pipe connection	Rp ½ / Rp ¾ / Rp 1 / Rp 1¼
Installation	threaded
Insulation class	H
Degree of protection	IP 44
Voltage	1 ~ 230V, 50 Hz



Performance range



SAN - 3-speed pumps for sanitary water (bronze hydraulic)

Code	Type	Fitting length L [mm]	Pipe connection	Pmax [W]	Weight [kg]
979521765	SAN 15/40-130	130	Rp ½	50	2,4
979521766	SAN 20/40-130	130	Rp ¾	50	2,4
979521767	SAN 25/40-130	130	Rp 1	50	2,45
979521768	SAN 15/60-130	130	Rp ½	90	2,5
979521769	SAN 20/60-130	130	Rp ¾	90	2,4
979521770	SAN 25/60-130	130	Rp 1	90	2,5
979522018	SAN 20/70-130	130	Rp ¾	140	2,55
979522006	SAN 25/70-130	130	Rp 1	140	2,45
979523510	SAN 32/80-180	180	Rp 1¼	210	5

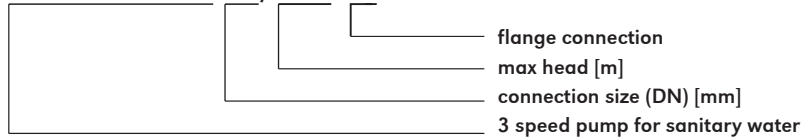
SAN ECO - circulating pumps for sanitary water

Code	Type	Fitting length L [mm]	Pipe connection	Pmax [W]	Weight [kg]
979523230	SAN ECO 15/15 B	65	Rp ½	2 - 8	0,65
979523231	SAN ECO 15/15 BU	65	Rp ½	2 - 8	0,65
979523232	SAN ECO 15/15 BTU	65	Rp ½	2 - 8	0,75
979523233	SAN ECO 15/15 BT	65	Rp ½	2 - 8	0,65

SANbasic II F – Flange pump for sanitary water

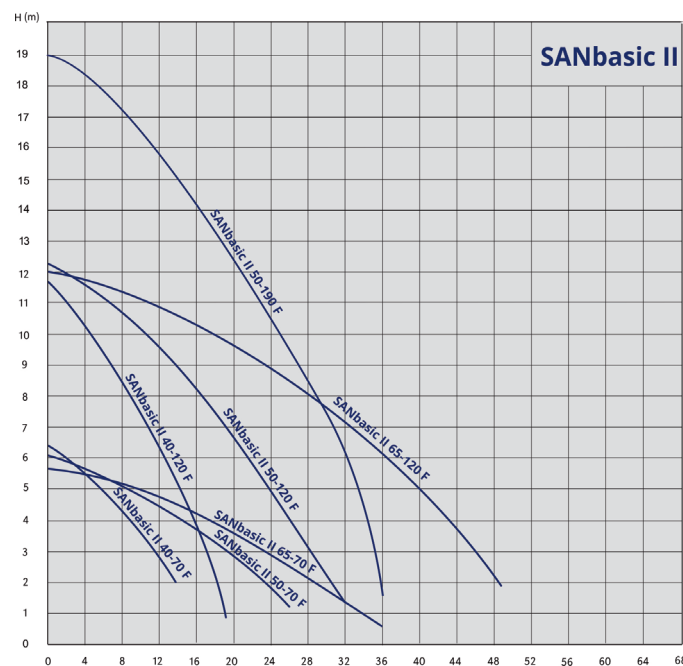


SANbasic II xx/xxx F



3-speed pumps for sanitary water
 Flanged, bronze hydraulic, standard voltage 400V (230V optional)

Performance range



SANbasic II - 3-speed flange pumps

Code	Type	Fitting length L [mm]	Pipe connection	PN	Pmax [W]	Weight [kg]
979524616	SANbasic II 40-120 F250	250	DN40	PN6/10	578	
979524617	SANbasic II 40-70 F250	250	DN40	PN6/10	295	
979524622	SANbasic II 50-190 F280	280	DN50	PN6/10	1596	
979524618	SANbasic II 50-120 F280	280	DN50	PN6/10	1020	
979524619	SANbasic II 50-70 F280	280	DN50	PN6/10	470	
979524620	SANbasic II 65-120 F340	340	DN65	PN6/10	1560	
979524621	SANbasic II 65-70 F340	340	DN65	PN6/10	600	

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