



IMP PUMPS®

Intelligent Motor Pumps

www.imp-pumps.com



NMT PUMPS

*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

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ErP REGULATION

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 $EEL \leq 0,15$ - 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.

More than 96 % of production is sold in over 80 countries around the world. Company is innovator in the field of electro commutated submersible motors and has the quality certificate ISO 9001:2015.

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.

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.

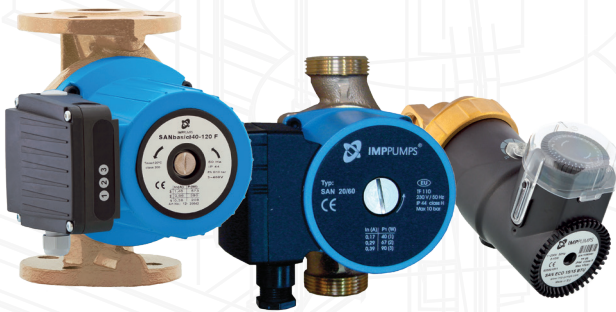
Product overview

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



GHN (3-speed pumps)

Dry running circulating pump



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



BL, BWJ
(multistage)



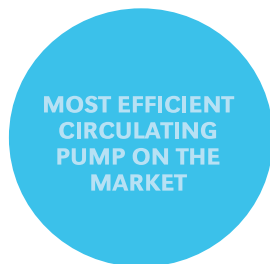
PPT BL (pressure boosting unit)



NMT MINI



NMT MINI PRO SAN 15 / 30 - 130



Technical specification	
Q _{max}	up to 4,3 m ³ /h
H _{max}	up to 8 m
DN	15/20/25/32
Pipe connection	G 1 / G1¼ / G1½ / G2
Installation	threaded
Insulation class	F
Degree of protection	IP 44
Voltage	1 ~ 230V, 50 Hz
Fitting length	130/180 mm

Name	P _{max} [W]	I _{max} [A]	EI
NMT MINI XX-30	15	0,16	0,12
NMT MINI XX-40	20	0,20	0,13
NMT MINI XX-60	35	0,35	0,16
NMT MINI XX-80	50	0,50	0,18

Ambient temperature	Medium temperature
25°C	from -10°C to +110°C
30°C	from -10°C to +100°C
35°C	from -10°C to +90°C
40°C	from -10°C to +80°C

NMT MINI FEATURES:

- Dry running detection prevents pump from running when there is no media
- Ultra-light design meaning the heaviest pump only weights 1.9Kg
- Automatic summer mode to prevent blocking during low season
- Robust startup
- Thermal insulation included

Permissible mediums

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

Performance range & operating functions



FIELD
Auto mode - best operating mode to optimize efficiency and comfort



Night mode - works in combination with other modes



CURVE
3 proportional - pressure curves for radiator heating



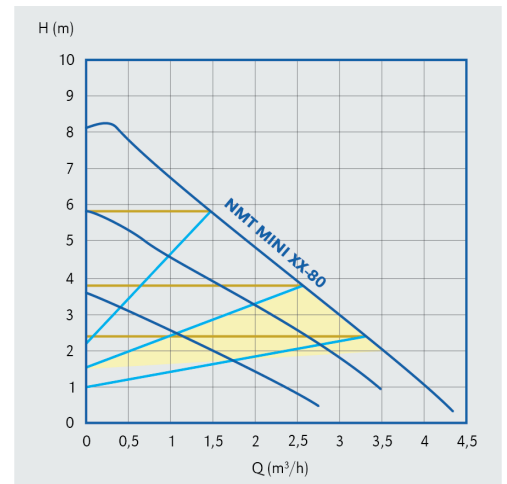
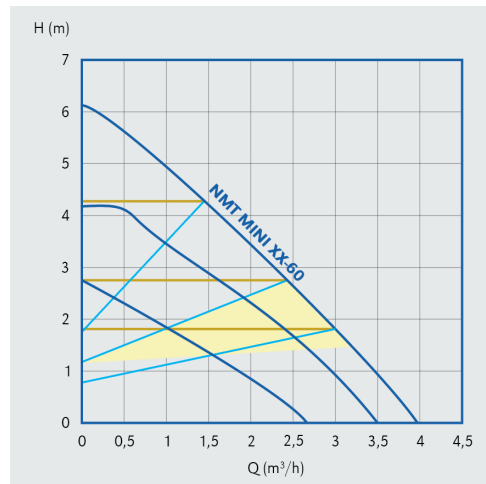
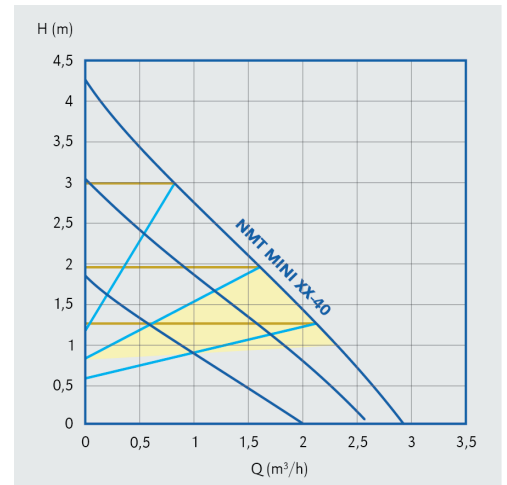
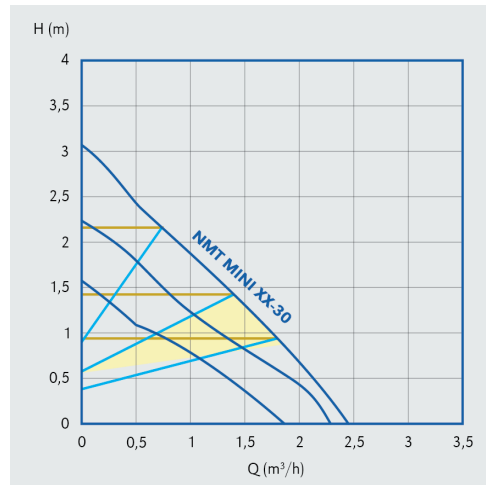
CURVE
3 constant - pressure curves for floor heating



CURVE
3 fixed speeds for boiler installation, venting and domestic hot water



WiFi mode - communication with the pump by integrated WiFi - COMING SOON



NMT MINI WiFi - COMING SOON



NMT MINI WiFi main features:

- Communication with the pump by integrated WiFi
- Numerical display shows the current operating data of the pump for: Power (W), Head (h) and Flow (m³/h)
- Auto mode best operating mode to optimize efficiency and comfort
- Night mode - in combination with other modes
- Dry running detection prevents pump from running when there is no media
- Ultra-light design meaning the lightest pump only weights 1.46 kg
- Automatic summer mode to prevent blocking during low season
- Robust startup
- 3 proportional-pressure curves for radiator heating
- 3 constant-pressure curves for floor heating
- 3 fixed speeds for boiler installation, venting and domestic hot water
- Thermal insulation included

NMT MINI

Code	Type	EEI	Fitting length [mm]	Pipe connection	P _{max} [W]	Weight [kg]
979525345	NMT MINI 15/30-130	≤ 0,12	130	G 1	15	1,46
979525346	NMT MINI 15/40-130	≤ 0,13	130	G 1	20	1,46
979525347	NMT MINI 15/60-130	≤ 0,16	130	G 1	35	1,46
979525348	NMT MINI 15/80-130	≤ 0,18	130	G 1	50	1,46
979525349	NMT MINI 20/30-130	≤ 0,12	130	G 1¼	15	1,55
979525350	NMT MINI 20/40-130	≤ 0,13	130	G 1¼	20	1,55
979525351	NMT MINI 20/60-130	≤ 0,16	130	G 1¼	35	1,55
979525352	NMT MINI 20/80-130	≤ 0,18	130	G 1¼	50	1,55
979525353	NMT MINI 25/30-130	≤ 0,12	130	G 1½	15	1,65
979525354	NMT MINI 25/40-130	≤ 0,13	130	G 1½	20	1,65
979525355	NMT MINI 25/60-130	≤ 0,16	130	G 1½	35	1,65
979525356	NMT MINI 25/80-130	≤ 0,18	130	G 1½	50	1,65
979525365	NMT MINI 20/30-180	≤ 0,12	180	G 1¼	15	1,66
979525366	NMT MINI 20/40-180	≤ 0,13	180	G 1¼	20	1,66
979525367	NMT MINI 20/60-180	≤ 0,16	180	G 1¼	35	1,66
979525368	NMT MINI 20/80-180	≤ 0,18	180	G 1¼	50	1,66
979525369	NMT MINI 25/30-180	≤ 0,12	180	G 1½	15	1,73
979525370	NMT MINI 25/40-180	≤ 0,13	180	G 1½	20	1,73
979525371	NMT MINI 25/60-180	≤ 0,16	180	G 1½	35	1,73
979525372	NMT MINI 25/80-180	≤ 0,18	180	G 1½	50	1,73
979525373	NMT MINI 32/30-180	≤ 0,12	180	G 2	15	1,93
979525374	NMT MINI 32/40-180	≤ 0,13	180	G 2	20	1,93
979525375	NMT MINI 32/60-180	≤ 0,16	180	G 2	35	1,93
979525376	NMT MINI 32/80-180	≤ 0,18	180	G 2	50	1,93



NMT MINI main features:

- Dry running detection prevents pump from running when there is no media
- Ultra-light design meaning the lightest pump only weights 1.46 kg
- Automatic summer mode to prevent blocking during low season
- Robust startup
- 3 proportional-pressure curves for radiator heating
- 3 constant-pressure curves for floor heating
- 3 fixed speeds for boiler installation, venting and domestic hot water
- Thermal insulation included

NMT MINI PLUS

Code	Type	EEI	Fitting length [mm]	Pipe connection	P _{max} [W]	Weight [kg]
979525899	NMT MINI PLUS 15/30-130	≤ 0,12	130	G 1	15	1,46
979525900	NMT MINI PLUS 15/40-130	≤ 0,13	130	G 1	20	1,46
979525901	NMT MINI PLUS 15/60-130	≤ 0,16	130	G 1	20	1,46
979525902	NMT MINI PLUS 15/80-130	≤ 0,18	130	G 1	50	1,46
979525903	NMT MINI PLUS 20/30-130	≤ 0,12	130	G 1¼	15	1,55
979525904	NMT MINI PLUS 20/40-130	≤ 0,13	130	G 1¼	20	1,55
979525905	NMT MINI PLUS 20/60-130	≤ 0,16	130	G 1¼	35	1,55
979525906	NMT MINI PLUS 20/80-130	≤ 0,18	130	G 1¼	50	1,55
979525907	NMT MINI PLUS 25/30-130	≤ 0,12	130	G 1½	15	1,65
979525908	NMT MINI PLUS 25/40-130	≤ 0,13	130	G 1½	20	1,65
979525909	NMT MINI PLUS 25/60-130	≤ 0,16	130	G 1½	35	1,65
979525910	NMT MINI PLUS 25/80-130	≤ 0,18	130	G 1½	50	1,65
979525911	NMT MINI PLUS 20/30-180	≤ 0,12	180	G 1¼	15	1,66
979525912	NMT MINI PLUS 20/40-180	≤ 0,13	180	G 1¼	20	1,66
979525913	NMT MINI PLUS 20/60-180	≤ 0,16	180	G 1¼	35	1,66
979525914	NMT MINI PLUS 20/80-180	≤ 0,18	180	G 1¼	50	1,66
979525915	NMT MINI PLUS 25/30-180	≤ 0,12	180	G 1½	15	1,73
979525916	NMT MINI PLUS 25/40-180	≤ 0,13	180	G 1½	20	1,73
979525917	NMT MINI PLUS 25/60-180	≤ 0,16	180	G 1½	35	1,73
979525918	NMT MINI PLUS 25/80-180	≤ 0,18	180	G 1½	50	1,73
979525919	NMT MINI PLUS 32/30-180	≤ 0,12	180	G 2	15	1,93
979525920	NMT MINI PLUS 32/40-180	≤ 0,13	180	G 2	20	1,93
979525921	NMT MINI PLUS 32/60-180	≤ 0,16	180	G 2	35	1,93
979525922	NMT MINI PLUS 32/80-180	≤ 0,18	180	G 2	50	1,93



NMT MINI PLUS main features:

- Numerical display shows the current operating data of the pump for Power (W)
- Dry running detection prevents pump from running when there is no media
- Ultra-light design meaning the lightest pump only weights 1.46 kg
- Automatic summer mode to prevent blocking during low season
- Robust startup
- 3 proportional-pressure curves for radiator heating
- 3 constant-pressure curves for floor heating
- 3 fixed speeds for boiler installation, venting and domestic hot water
- Thermal insulation included

NMT MINI PRO

Code	Type	EEI	Fitting length [mm]	Pipe connection	P _{max} [W]	Weight [kg]
979525409	NMT MINI PRO 15/30-130	≤ 0,12	130	G 1	15	1,46
979525410	NMT MINI PRO 15/40-130	≤ 0,13	130	G 1	20	1,46
979525411	NMT MINI PRO 15/60-130	≤ 0,16	130	G 1	35	1,46
979525412	NMT MINI PRO 15/80-130	≤ 0,18	130	G 1	50	1,46
979525413	NMT MINI PRO 20/30-130	≤ 0,12	130	G 1¼	15	1,55
979525414	NMT MINI PRO 20/40-130	≤ 0,13	130	G 1¼	20	1,55
979525415	NMT MINI PRO 20/60-130	≤ 0,16	130	G 1¼	35	1,55
979525416	NMT MINI PRO 20/80-130	≤ 0,18	130	G 1¼	50	1,55
979525417	NMT MINI PRO 25/30-130	≤ 0,12	130	G 1½	15	1,65
979525418	NMT MINI PRO 25/40-130	≤ 0,13	130	G 1½	20	1,65
979525419	NMT MINI PRO 25/60-130	≤ 0,16	130	G 1½	35	1,65
979525420	NMT MINI PRO 25/80-130	≤ 0,18	130	G 1½	50	1,65
979525429	NMT MINI PRO 20/30-180	≤ 0,12	180	G 1¼	15	1,66
979525430	NMT MINI PRO 20/40-180	≤ 0,13	180	G 1¼	20	1,66
979525431	NMT MINI PRO 20/60-180	≤ 0,16	180	G 1¼	35	1,66
979525432	NMT MINI PRO 20/80-180	≤ 0,18	180	G 1¼	50	1,66
979525433	NMT MINI PRO 25/30-180	≤ 0,12	180	G 1½	15	1,73
979525434	NMT MINI PRO 25/40-180	≤ 0,13	180	G 1½	20	1,73
979525435	NMT MINI PRO 25/60-180	≤ 0,16	180	G 1½	35	1,73
979525436	NMT MINI PRO 25/80-180	≤ 0,18	180	G 1½	50	1,73
979525437	NMT MINI PRO 32/30-180	≤ 0,12	180	G 2	15	1,93
979525438	NMT MINI PRO 32/40-180	≤ 0,13	180	G 2	20	1,93
979525439	NMT MINI PRO 32/60-180	≤ 0,16	180	G 2	35	1,93
979525440	NMT MINI PRO 32/80-180	≤ 0,18	180	G 2	50	1,93

NMT MINI PRO main features:

- Numerical display shows the current operating data of the pump for: Power (W), Head (h) and Flow (m³/h)
- Auto mode best operating mode to optimize efficiency and comfort
- Night mode - in combination with other modes
- Dry running detection prevents pump from running when there is no media
- Ultra-light design meaning the lightest pump only weights 1.46 kg
- Automatic summer mode to prevent blocking during low season
- Robust startup
- 3 proportional-pressure curves for radiator heating
- 3 constant-pressure curves for floor heating
- 3 fixed speeds for boiler installation, venting and domestic hot water
- Thermal insulation included



NMT MINI ER

Code	Type	EEI	Fitting length [mm]	Pipe connection	P _{max} [W]	Weight [kg]
979525601	NMT MINI ER 15/30-130	≤ 0,12	130	G 1	15	1,46
979525602	NMT MINI ER 15/40-130	≤ 0,13	130	G 1	20	1,46
979525603	NMT MINI ER 15/60-130	≤ 0,16	130	G 1	35	1,46
979525604	NMT MINI ER 15/80-130	≤ 0,18	130	G 1	50	1,46
979525605	NMT MINI ER 20/30-130	≤ 0,12	130	G 1¼	15	1,55
979525606	NMT MINI ER 20/40-130	≤ 0,13	130	G 1¼	20	1,55
979525607	NMT MINI ER 20/60-130	≤ 0,16	130	G 1¼	35	1,55
979525608	NMT MINI ER 20/80-130	≤ 0,18	130	G 1¼	50	1,55
979525609	NMT MINI ER 25/30-130	≤ 0,12	130	G 1½	15	1,65
979525610	NMT MINI ER 25/40-130	≤ 0,13	130	G 1½	20	1,65
979525611	NMT MINI ER 25/60-130	≤ 0,16	130	G 1½	35	1,65
979525612	NMT MINI ER 25/80-130	≤ 0,18	130	G 1½	50	1,65
979525621	NMT MINI ER 20/30-180	≤ 0,12	180	G 1¼	15	1,66
979525622	NMT MINI ER 20/40-180	≤ 0,13	180	G 1¼	20	1,66
979525623	NMT MINI ER 20/60-180	≤ 0,16	180	G 1¼	35	1,66
979525624	NMT MINI ER 20/80-180	≤ 0,18	180	G 1¼	50	1,66
979525625	NMT MINI ER 25/30-180	≤ 0,12	180	G 1½	15	1,73
979525626	NMT MINI ER 25/40-180	≤ 0,13	180	G 1½	20	1,73
979525627	NMT MINI ER 25/60-180	≤ 0,16	180	G 1½	35	1,73
979525628	NMT MINI ER 25/80-180	≤ 0,18	180	G 1½	50	1,73
979525629	NMT MINI ER 32/30-180	≤ 0,12	180	G 2	15	1,93
979525630	NMT MINI ER 32/40-180	≤ 0,13	180	G 2	20	1,93
979525631	NMT MINI ER 32/60-180	≤ 0,16	180	G 2	35	1,93
979525632	NMT MINI ER 32/80-180	≤ 0,18	180	G 2	50	1,93



NMT MINI ER main features:

- Input 0-10V
- Relay output - error
- Dry running detection prevents pump from running when there is no media
- Ultra-light design meaning the lightest pump only weights 1.46 kg
- Automatic summer mode to prevent blocking during low season
- Robust startup
- 3 proportional-pressure curves for radiator heating
- 3 constant-pressure curves for floor heating
- 3 fixed speeds for boiler installation, venting and domestic hot water
- Thermal insulation included

NMT MINI PWM S

Code	Type	EEI	Fitting length [mm]	Pipe connection	P _{max} [W]	Weight [kg]
979525473	NMT MINI PWM S 15/30-130	≤ 0,12	130	G 1	15	1,46
979525474	NMT MINI PWM S 15/40-130	≤ 0,13	130	G 1	20	1,46
979525475	NMT MINI PWM S 15/60-130	≤ 0,16	130	G 1	35	1,46
979525476	NMT MINI PWM S 15/80-130	≤ 0,18	130	G 1	50	1,46
979525477	NMT MINI PWM S 20/30-130	≤ 0,12	130	G 1¼	15	1,55
979525478	NMT MINI PWM S 20/40-130	≤ 0,13	130	G 1¼	20	1,55
979525479	NMT MINI PWM S 20/60-130	≤ 0,16	130	G 1¼	35	1,55
979525480	NMT MINI PWM S 20/80-130	≤ 0,18	130	G 1¼	50	1,55
979525481	NMT MINI PWM S 25/30-130	≤ 0,12	130	G 1½	15	1,65
979525482	NMT MINI PWM S 25/40-130	≤ 0,13	130	G 1½	20	1,65
979525483	NMT MINI PWM S 25/60-130	≤ 0,16	130	G 1½	35	1,65
979525484	NMT MINI PWM S 25/80-130	≤ 0,18	130	G 1½	50	1,65
979525493	NMT MINI PWM S 20/30-180	≤ 0,12	180	G 1¼	15	1,66
979525494	NMT MINI PWM S 20/40-180	≤ 0,13	180	G 1¼	20	1,66
979525495	NMT MINI PWM S 20/60-180	≤ 0,16	180	G 1¼	35	1,66
979525496	NMT MINI PWM S 20/80-180	≤ 0,18	180	G 1¼	50	1,66
979525497	NMT MINI PWM S 25/30-180	≤ 0,12	180	G 1½	15	1,73
979525498	NMT MINI PWM S 25/40-180	≤ 0,13	180	G 1½	20	1,73
979525499	NMT MINI PWM S 25/60-180	≤ 0,16	180	G 1½	35	1,73
979525500	NMT MINI PWM S 25/80-180	≤ 0,18	180	G 1½	50	1,73
979525501	NMT MINI PWM S 32/30-180	≤ 0,12	180	G 2	15	1,93
979525502	NMT MINI PWM S 32/40-180	≤ 0,13	180	G 2	20	1,93
979525503	NMT MINI PWM S 32/60-180	≤ 0,16	180	G 2	35	1,93
979525504	NMT MINI PWM S 32/80-180	≤ 0,18	180	G 2	50	1,93



NMT MINI PWM S main features:

- PWM S input - solar profile
- PWM S output - standby, speed, error
- Dry running detection prevents pump from running when there is no media
- Ultra-light design meaning the lightest pump only weights 1.46 kg
- Automatic summer mode to prevent blocking during low season
- Robust startup
- 3 proportional-pressure curves for radiator heating
- 3 constant-pressure curves for floor heating
- 3 fixed speeds for boiler installation, venting and domestic hot water
- Thermal insulation included

NMT MINI PWM H

Code	Type	EEI	Fitting length [mm]	Pipe connection	P _{max} [W]	Weight [kg]
979525537	NMT MINI PWM H 15/30-130	≤ 0,12	130	G 1	15	1,46
979525538	NMT MINI PWM H 15/40-130	≤ 0,13	130	G 1	20	1,46
979525539	NMT MINI PWM H 15/60-130	≤ 0,16	130	G 1	35	1,46
979525540	NMT MINI PWM H 15/80-130	≤ 0,18	130	G 1	50	1,46
979525541	NMT MINI PWM H 20/30-130	≤ 0,12	130	G 1¼	15	1,55
979525542	NMT MINI PWM H 20/40-130	≤ 0,13	130	G 1¼	20	1,55
979525543	NMT MINI PWM H 20/60-130	≤ 0,16	130	G 1¼	35	1,55
979525544	NMT MINI PWM H 20/80-130	≤ 0,18	130	G 1¼	50	1,55
979525545	NMT MINI PWM H 25/30-130	≤ 0,12	130	G 1½	15	1,65
979525546	NMT MINI PWM H 25/40-130	≤ 0,13	130	G 1½	20	1,65
979525547	NMT MINI PWM H 25/60-130	≤ 0,16	130	G 1½	35	1,65
979525548	NMT MINI PWM H 25/80-130	≤ 0,18	130	G 1½	50	1,65
979525557	NMT MINI PWM H 20/30-180	≤ 0,12	180	G 1¼	15	1,66
979525558	NMT MINI PWM H 20/40-180	≤ 0,13	180	G 1¼	20	1,66
979525559	NMT MINI PWM H 20/60-180	≤ 0,16	180	G 1¼	35	1,66
979525560	NMT MINI PWM H 20/80-180	≤ 0,18	180	G 1¼	50	1,66
979525561	NMT MINI PWM H 25/30-180	≤ 0,12	180	G 1½	15	1,73
979525562	NMT MINI PWM H 25/40-180	≤ 0,13	180	G 1½	20	1,73
979525563	NMT MINI PWM H 25/60-180	≤ 0,16	180	G 1½	35	1,73
979525564	NMT MINI PWM H 25/80-180	≤ 0,18	180	G 1½	50	1,73
979525565	NMT MINI PWM H 32/30-180	≤ 0,12	180	G 2	15	1,93
979525566	NMT MINI PWM H 32/40-180	≤ 0,13	180	G 2	20	1,93
979525567	NMT MINI PWM H 32/60-180	≤ 0,16	180	G 2	35	1,93
979525568	NMT MINI PWM H 32/80-180	≤ 0,18	180	G 2	50	1,93

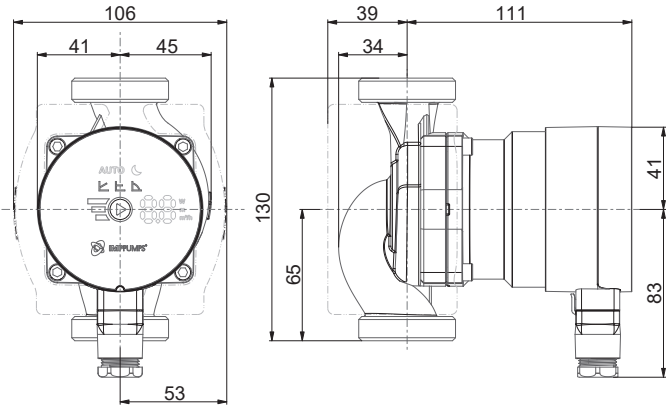


NMT MINI PWM H main features:

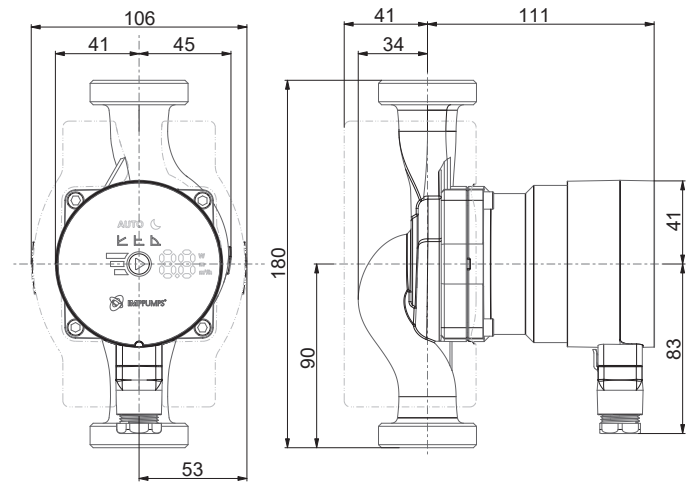
- PWM H input - heating profile
- PWM H output - standby, speed, error
- Dry running detection prevents pump from running when there is no media
- Ultra-light design meaning the lightest pump only weights 1.46 kg
- Automatic summer mode to prevent blocking during low season
- Robust startup
- 3 proportional-pressure curves for radiator heating
- 3 constant-pressure curves for floor heating
- 3 fixed speeds for boiler installation, venting and domestic hot water
- Thermal insulation included

Dimensions

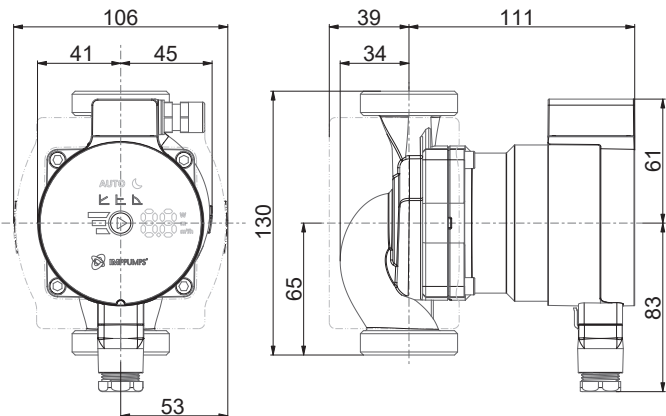
NMT MINI (PRO/PLUS) XX/XX-130



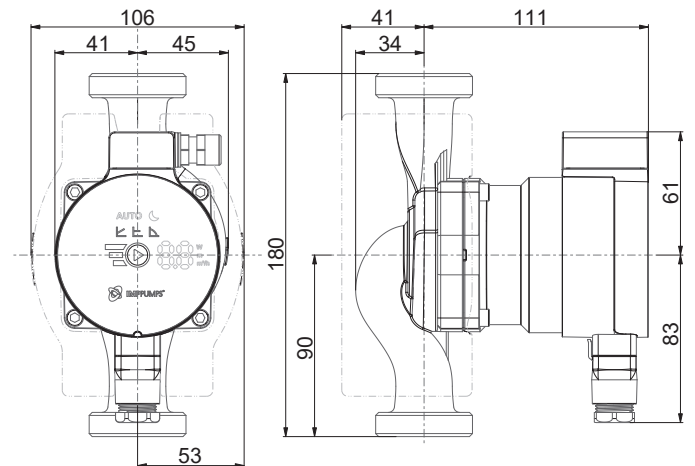
NMT MINI (PRO/PLUS) XX/XX-180



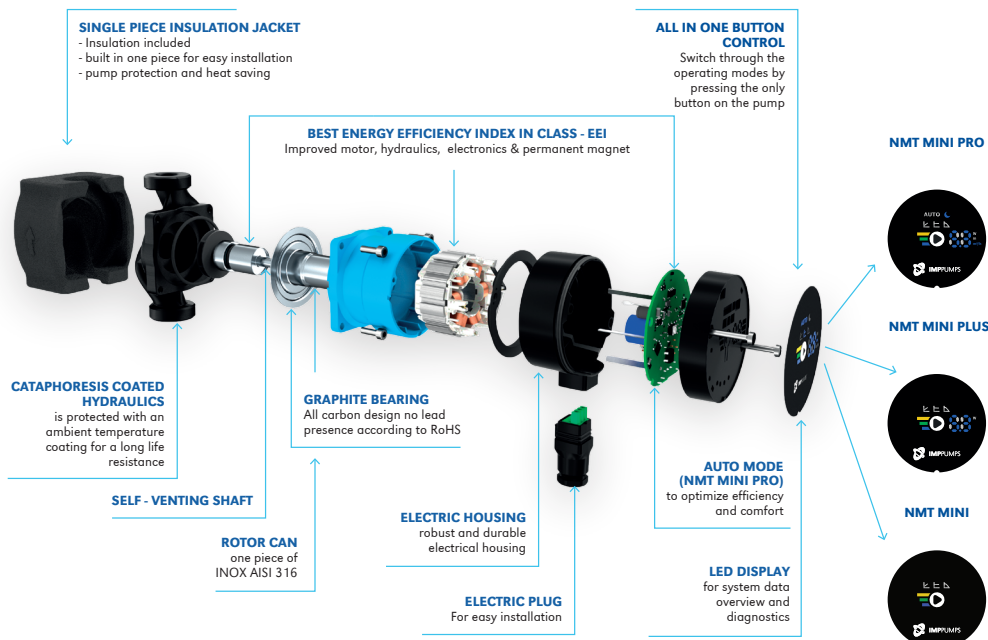
NMT MINI (ER/PWM H/S) XX/XX-130



NMT MINI (ER/PWM H/S) XX/XX-180

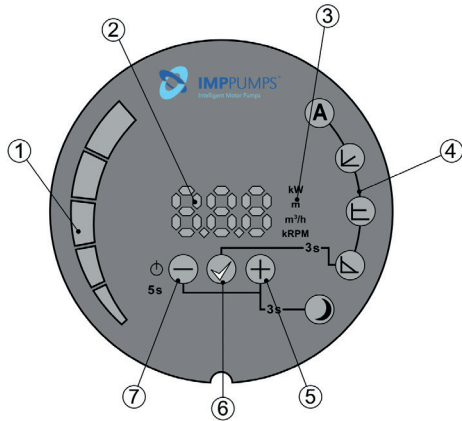


NMT MINI materials



DISPLAY OPERATION (NMT SMART, NMT MAX)

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

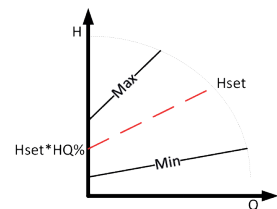
The pump can operate in 5 different modes. We can set the pump in the most appropriate mode, depending on the system where the pump operates.

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.

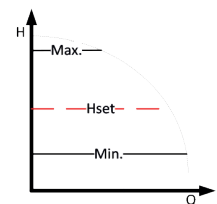
L Proportional pressure

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).



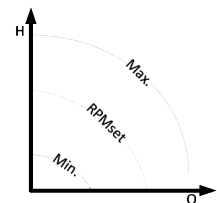
E Constant pressure

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

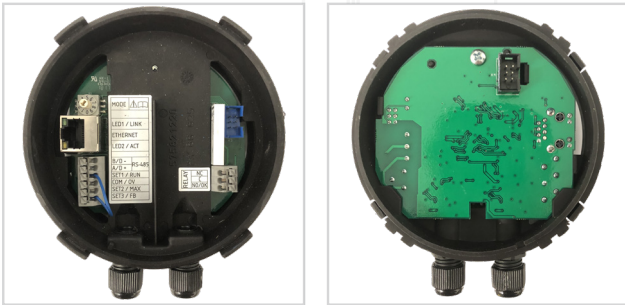
The pump operates with the currently set speed (RPMset on the drawing). In the unregulated mode, we can only set the speed at which the pump will operate.



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).

NMTC - 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
2. Later after the pump is already running:
 - NMT SMART → NMT SMART C
 - NMT MAX* → NMT MAX C*

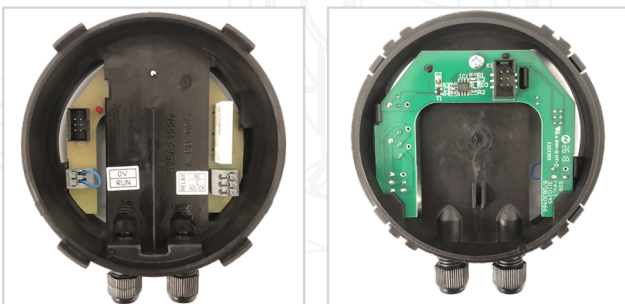
This module is used for various remote control applications, including:

- REMOTE ON/OFF
- ANALOG 0-10V VOLTAGE CONTROL
- MODBUS REMOTE CONTROL
- STATUS RELAY FEEDBACK
- WEB ACCESS OVER ETHERNET / RS485

Code	Type
979523376	NMTC communication Module NMTC for NMT Smart and NMT MAX series
979524505	2 x Interconnected NMTC communication Modules for NMTD Smart and NMTD MAX

* NMT MAX C models that only come with NMTC module (NMT MAX is not available): NMT MAX C 65-180, NMT MAX C 80-120, NMT MAX C 80-180, NMT MAX C 100-80, NMT MAX C 100-120, NMT MAX C 100-180

SSR (S) - communication module



SSR module is included with:

- NMT MAX

SSR module can be optionally connected to:

- NMT SMART

SSR module can be attached to the pump:

1. At the purchase (different code of the pump):
 - NMT SMART S
2. Later after the pump is already running:
 - NMT SMART → NMT SMART S

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

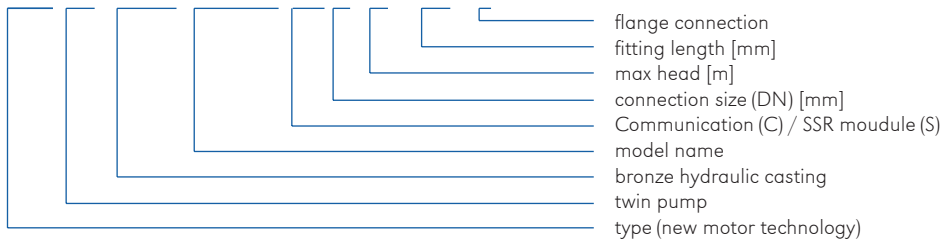
- REMOTE ON/OFF
- STATUS RELAY FEEDBACK

Code	Type
979525742	SSR module for Smart and MAX (spare part) series
979526503	2 x SSR module for NMTD Smart and MAX (spare part) series

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 S - with optional S module you get:
 status relay feedback & remote on/off
 SMART C - with NMTC communication module (option):
 Ethernet, Modbus RTU, analog control input 0-10V,
 3 analog inputs/outputs, 1 rele output

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.

Technical specification

Q _{max}	up to 12 m ³ /h
H _{max}	up to 12 m
P	PN10 bar
DN	25/32/40/50
Pipe connection	G 1½ / G2
Installation	flange, threaded
Insulation class	F
Degree of protection	IP 44
Voltage	1 - 230V, 50 Hz

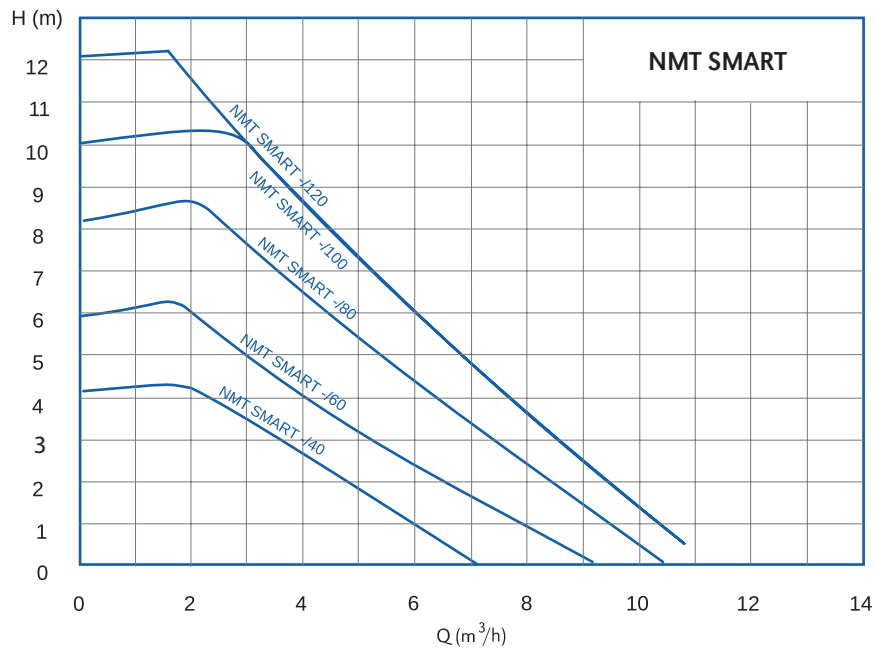
Minimum inlet pressure

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

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	G 1½	60	3,25
979523480	NMT SMART 25/60-180	≤ 0,20	180	G 1½	90	3,25
979523484	NMT SMART 25/80-180	≤ 0,20	180	G 1½	140	3,25
979523301	NMT SMART 25/100-180	≤ 0,20	180	G 1½	180	3,25
979523664	NMT SMART 25/120-180	≤ 0,20	180	G 1½	180	3,25
979523478	NMT SMART 32/40-180	≤ 0,20	180	G 2	60	3,4
979523481	NMT SMART 32/60-180	≤ 0,20	180	G 2	90	3,4
979523485	NMT SMART 32/80-180	≤ 0,20	180	G 2	140	3,4
979523216	NMT SMART 32/100-180	≤ 0,20	180	G 2	180	3,4
979523771	NMT SMART 32/120-180	≤ 0,20	180	G 2	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	G 1½	60	3,5
979523491	NMT SMART C 25/60-180	≤ 0,20	180	G 1½	90	3,5
979523495	NMT SMART C 25/80-180	≤ 0,20	180	G 1½	140	3,5
979523371	NMT SMART C 25/100-180	≤ 0,20	180	G 1½	180	3,5
979524538	NMT SMART C 25/120-180	≤ 0,20	180	G 1½	180	3,5
979523489	NMT SMART C 32/40-180	≤ 0,20	180	G 2	60	3,65
979523492	NMT SMART C 32/60-180	≤ 0,20	180	G 2	90	3,65
979523496	NMT SMART C 32/80-180	≤ 0,20	180	G 2	140	3,65
979523367	NMT SMART C 32/100-180	≤ 0,20	180	G 2	180	3,65
979524539	NMT SMART C 32/120-180	≤ 0,20	180	G 2	180	3,65

NMT SMART S - threaded pumps with SSR module

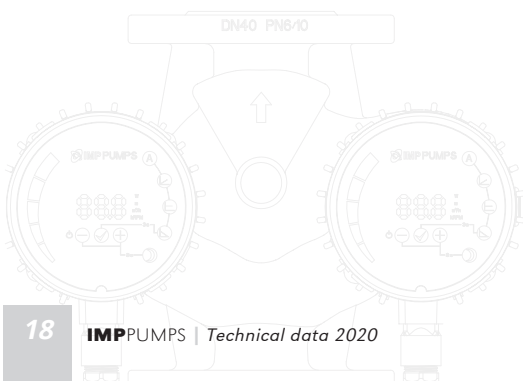
Code	Type	EEl	Fitting length L [mm]	Pipe connection	Pmax [W]	Weight [kg]
979525784	NMT SMART S 25/40-180	≤ 0,20	180	G 1 ½	60	3,4
979525785	NMT SMART S 25/60-180	≤ 0,20	180	G 1 ½	90	3,5
979525786	NMT SMART S 25/80-180	≤ 0,20	180	G 1 ½	140	3,5
979525787	NMT SMART S 25/100-180	≤ 0,20	180	G 1 ½	180	3,4
979525788	NMT SMART S 25/120-180	≤ 0,20	180	G 1 ½	180	3,5
979525789	NMT SMART S 32/40-180	≤ 0,20	180	G 2	60	3,4
979525790	NMT SMART S 32/60-180	≤ 0,20	180	G 2	90	3,6
979525791	NMT SMART S 32/80-180	≤ 0,20	180	G 2	140	3,4
979525792	NMT SMART S 32/100-180	≤ 0,20	180	G 2	180	3,6
979525793	NMT SMART S 32/120-180	≤ 0,20	180	G 2	180	3,5

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	G 2	2x60	7,75
979523547	NMTD SMART 32/60-180	≤ 0,21	180	G 2	2x90	7,75
979523548	NMTD SMART 32/80-180	≤ 0,21	180	G 2	2x140	7,75
979523549	NMTD SMART 32/100-180	≤ 0,21	180	G 2	2x180	7,75
979524592	NMTD SMART 32/120-180	≤ 0,21	180	G 2	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	G 2	2x60	8
979523555	NMTD SMART C 32/60-180	≤ 0,21	180	G 2	2x90	8
979523556	NMTD SMART C 32/80-180	≤ 0,21	180	G 2	2x140	8
979523557	NMTD SMART C 32/100-180	≤ 0,21	180	G 2	2x180	8
979524593	NMTD SMART C 32/120-180	≤ 0,21	180	G 2	2x180	8

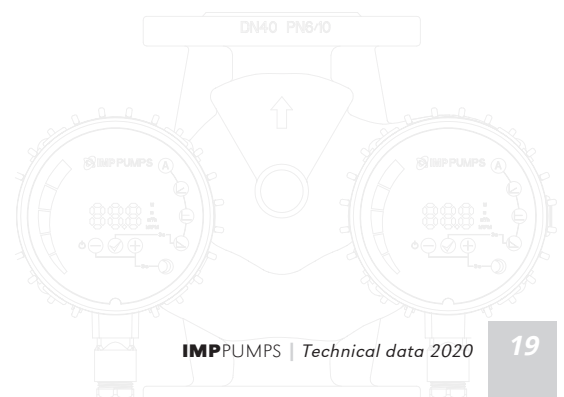


NMTD SMART S - threaded pumps, twin version with SSR module

Code	Type	EEI	Fitting length L [mm]	Pipe connection	Pmax [W]	Weight [kg]
979525794	NMTD SMART S 32/40-180	≤ 0,21	180	G 2	2x60	7,95
979525795	NMTD SMART S 32/60-180	≤ 0,21	180	G 2	2x90	7,95
979525796	NMTD SMART S 32/80-180	≤ 0,21	180	G 2	2x140	8,6
979525797	NMTD SMART S 32/100-180	≤ 0,21	180	G 2	2x180	8,6
979525798	NMTD SMART S 32/120-180	≤ 0,21	180	G 2	2x180	8,6

NMT SMART F - flanged pumps

Code	Type	EEI	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	EEl	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

NMT SMART S F - flanged pumps with SSR module

Code	Type	EEl	Fitting length L [mm]	Pipe connection	Pmax [W]	Weight [kg]
979525809	NMT SMART S 32/40 F220	≤ 0,20	220	PN 6/10	60	6,9
979525810	NMT SMART S 32/60 F220	≤ 0,20	220	PN 6/10	90	6,7
979525811	NMT SMART S 32/80 F220	≤ 0,20	220	PN 6/10	140	6,7
979525812	NMT SMART S 32/100 F220	≤ 0,20	220	PN 6/10	180	6,5
979525813	NMT SMART S 32/120 F220	≤ 0,20	220	PN 6/10	180	6,5
979525814	NMT SMART S 40/40 F220	≤ 0,20	220	PN 6/10	60	3,4
979525815	NMT SMART S 40/60 F220	≤ 0,20	220	PN 6/10	90	7,9
979525816	NMT SMART S 40/80 F220	≤ 0,20	220	PN 6/10	140	3,4
979525817	NMT SMART S 40/100 F220	≤ 0,20	220	PN 6/10	180	7,8
979525818	NMT SMART S 40/120 F220	≤ 0,20	220	PN 6/10	180	7,8
979525827	NMT SMART S 50/100 F240	≤ 0,20	240	PN 6/10	180	8,9
979525828	NMT SMART S 50/120 F240	≤ 0,20	240	PN 6/10	180	8,9

NMTD SMART F - flanged pumps, twin version

Code	Type	EEI	Fitting length L [mm]	Pipe connection	P _{max} [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	P _{max} [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

NMTD SMART S F - flanged pumps, twin version with SSR module

Code	Type	EEI	Fitting length L [mm]	Pipe connection	P _{max} [W]	Weight [kg]
979525819	NMTD SMART S 40/40 F220	≤ 0,21	220	PN 6/10	2x60	11,75
979525820	NMTD SMART S 40/60 F220	≤ 0,21	220	PN 6/10	2x90	11,4
979525821	NMTD SMART S 40/80 F220	≤ 0,21	220	PN 6/10	2x140	11,4
979525822	NMTD SMART S 40/100 F220	≤ 0,21	220	PN 6/10	2x180	12,5
979525823	NMTD SMART S 40/120 F220	≤ 0,21	220	PN 6/10	2x180	12,5

NMT SAN SMART - threaded bronze hydraulic pumps

Code	Type	EEl	Fitting length L [mm]	Pipe connection	Pmax [W]	Weight [kg]
979524527	NMT SAN SMART 25/40-180	≤ 0,20	180	G 1½	60	3,73
979524528	NMT SAN SMART 25/60-180	≤ 0,20	180	G 1½	90	3,73
979524529	NMT SAN SMART 25/80-180	≤ 0,20	180	G 1½	140	3,73
979524530	NMT SAN SMART 25/100-180	≤ 0,20	180	G 1½	180	3,73
979524531	NMT SAN SMART 25/120-180	≤ 0,20	180	G 1½	180	3,73
979524479	NMT SAN SMART 32/40-180	≤ 0,20	180	G 2	60	3,75
979524480	NMT SAN SMART 32/60-180	≤ 0,20	180	G 2	90	3,75
979524481	NMT SAN SMART 32/80-180	≤ 0,20	180	G 2	140	3,75
979524482	NMT SAN SMART 32/100-180	≤ 0,20	180	G 2	180	3,75
979524483	NMT SAN SMART 32/120-180	≤ 0,20	180	G 2	180	3,75

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

Code	Type	EEl	Fitting length L [mm]	Pipe connection	Pmax [W]	Weight [kg]
979524532	NMT SAN SMART C 25/40-180	≤ 0,20	180	G 1½	60	3,98
979524533	NMT SAN SMART C 25/60-180	≤ 0,20	180	G 1½	90	3,98
979524534	NMT SAN SMART C 25/80-180	≤ 0,20	180	G 1½	140	3,98
979524535	NMT SAN SMART C 25/100-180	≤ 0,20	180	G 1½	180	3,98
979524536	NMT SAN SMART C 25/120-180	≤ 0,20	180	G 1½	180	3,98
979524484	NMT SAN SMART C 32/40-180	≤ 0,20	180	G 2	60	4
979524485	NMT SAN SMART C 32/60-180	≤ 0,20	180	G 2	90	4
979524486	NMT SAN SMART C 32/80-180	≤ 0,20	180	G 2	140	4
979524487	NMT SAN SMART C 32/100-180	≤ 0,20	180	G 2	180	4
979524488	NMT SAN SMART C 32/120-180	≤ 0,20	180	G 2	180	4

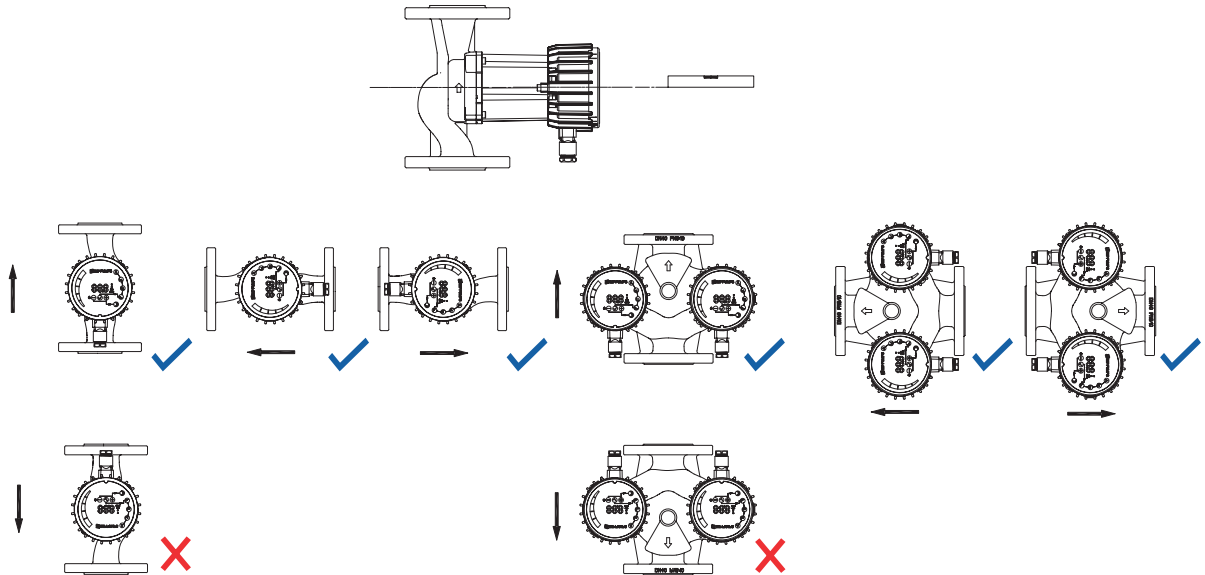
NMT SAN SMART S - threaded bronze hydraulic pumps with SSR module

Code	Type	EEl	Fitting length L [mm]	Pipe connection	Pmax [W]	Weight [kg]
979525799	NMT SAN SMART S 25/40-180	≤ 0,20	180	G 1 ½	60	3,5
979525800	NMT SAN SMART S 25/60-180	≤ 0,20	180	G 1 ½	90	3,5
979525801	NMT SAN SMART S 25/80-180	≤ 0,20	180	G 1 ½	140	3,5
979525802	NMT SAN SMART S 25/100-180	≤ 0,20	180	G 1 ½	180	4,5
979525803	NMT SAN SMART S 25/120-180	≤ 0,20	180	G 1 ½	180	3,5
979525804	NMT SAN SMART S 32/40-180	≤ 0,20	180	G 2	60	3,5
979525805	NMT SAN SMART S 32/60-180	≤ 0,20	180	G 2	90	3,5
979525806	NMT SAN SMART S 32/80-180	≤ 0,20	180	G 2	140	3,5
979525807	NMT SAN SMART S 32/100-180	≤ 0,20	180	G 2	180	3,5
979525808	NMT SAN SMART S 32/120-180	≤ 0,20	180	G 2	180	4

Installation

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

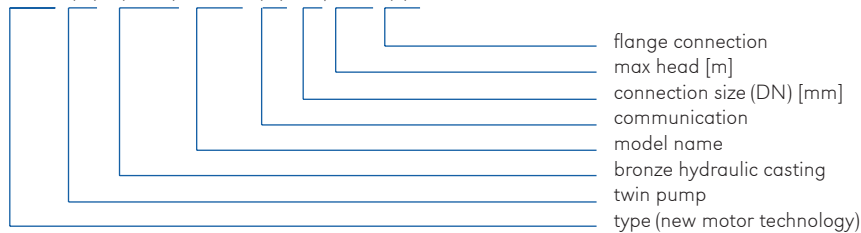
NMT(D) (SAN) SMART (C) (F)



NMT MAX



NMT(D) (SAN) MAX(C) xx/xx (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 instalation, 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 MAX - status relay feedback & remote on/off
 NMT MAX C - with NMTC communication module (option):
 Ethernet, Modbus RTU, analog control input 0-10V,
 3 analog inputs/outputs, 1 rele output

Technical specification

Q _{max}	up to 72,7 m ³ /h
H _{max}	up to 18,9 m
P	PN 6/10 bar
DN	40/50/65/80/100
Installation	flange
Insulation class	F
Degree of protection	IP 44
Voltage	1 - 230V, 50 Hz

Minimum inlet pressure

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

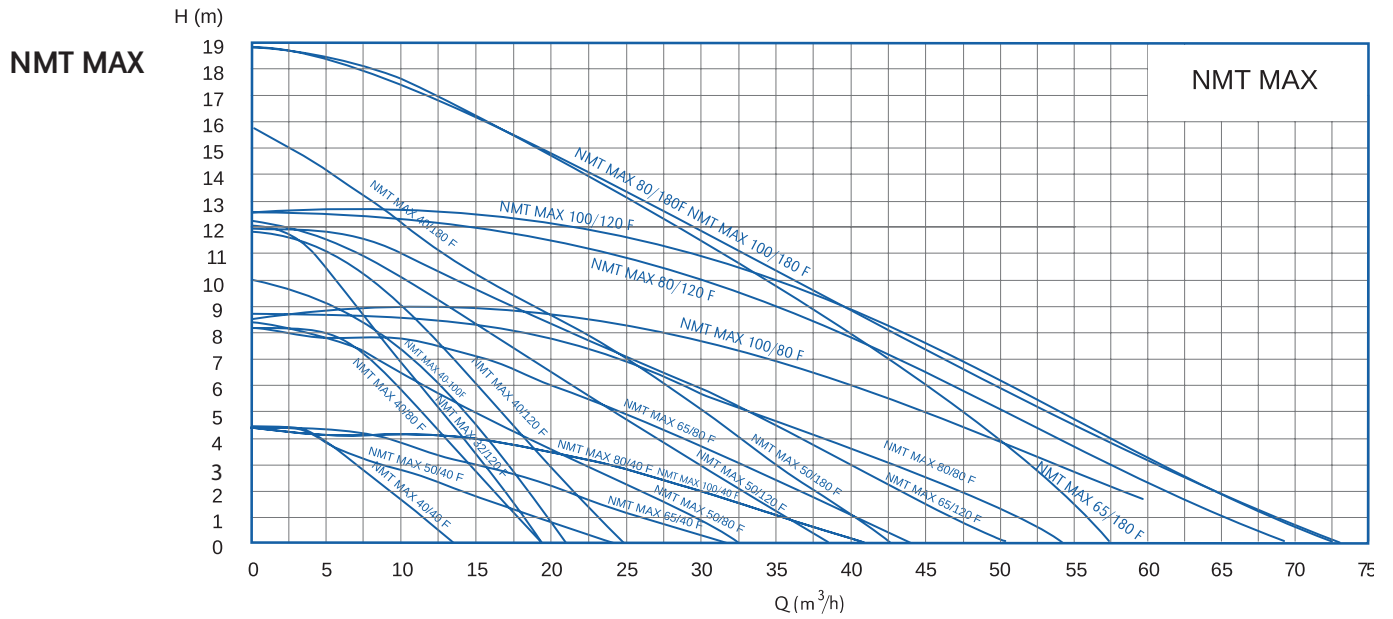
Material

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

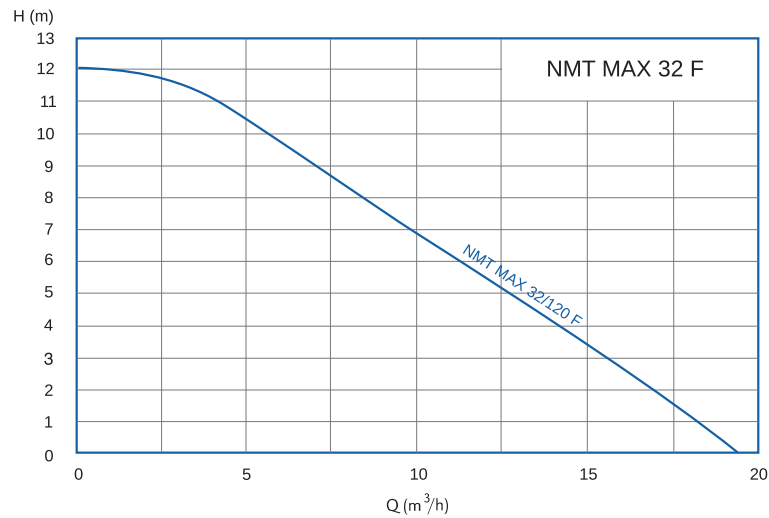
Permissible mediums

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

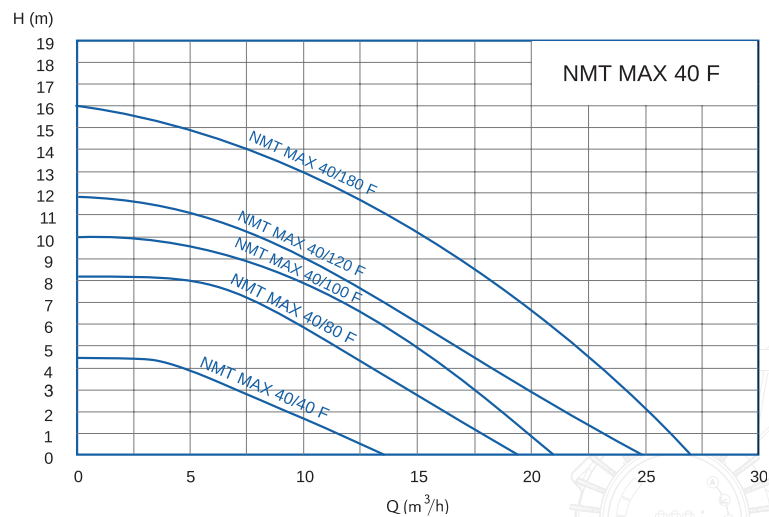
Performance range



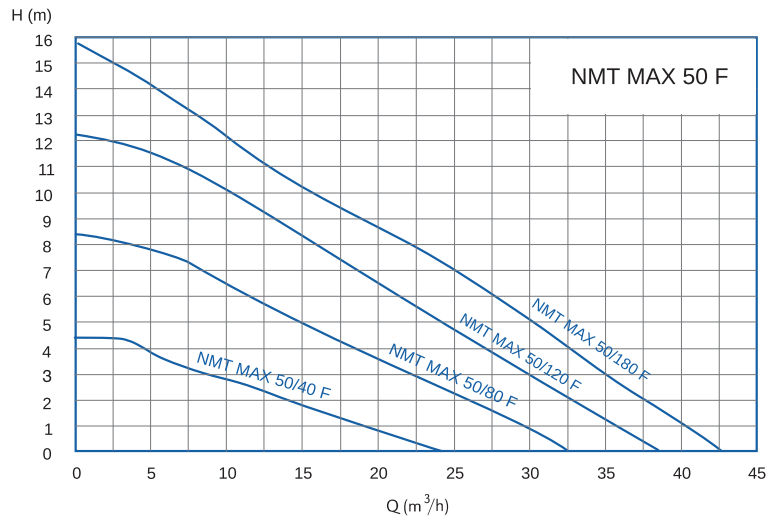
NMT MAX 32 F



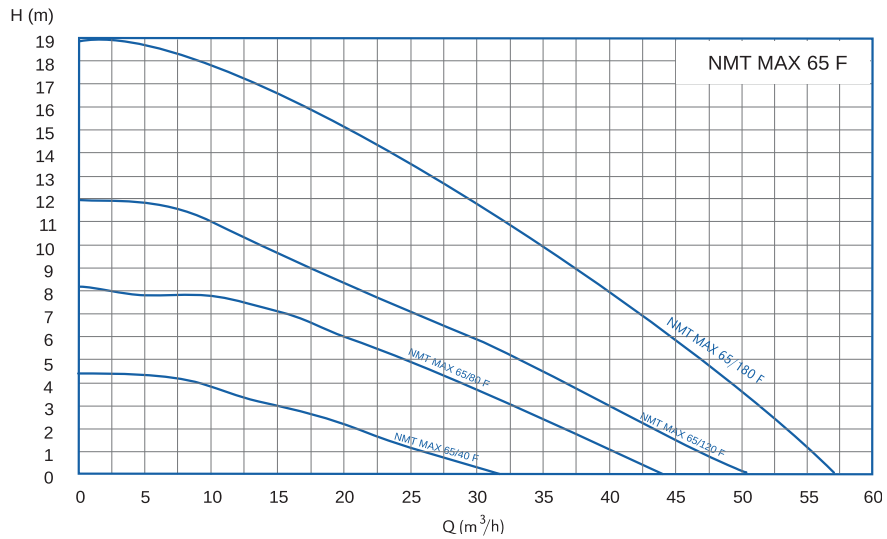
NMT MAX 40 F



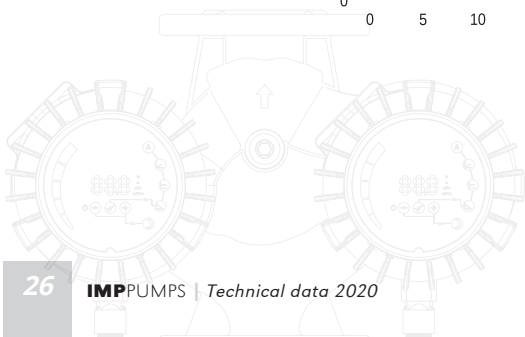
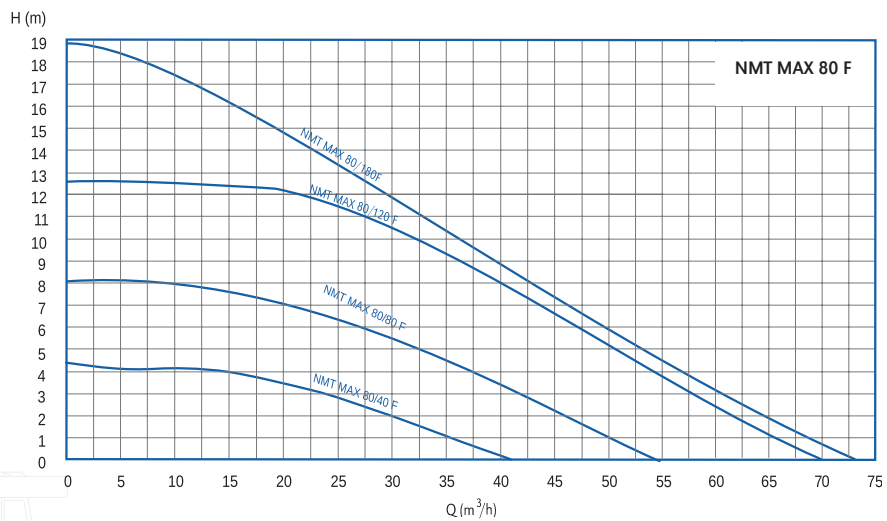
NMT MAX 50 F



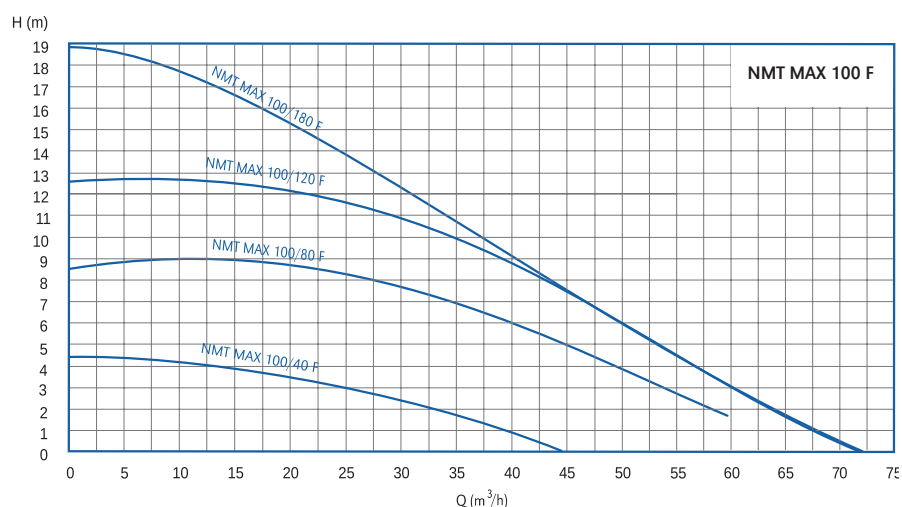
NMT MAX 65 F



NMT MAX 80 F



NMT MAX 100 F

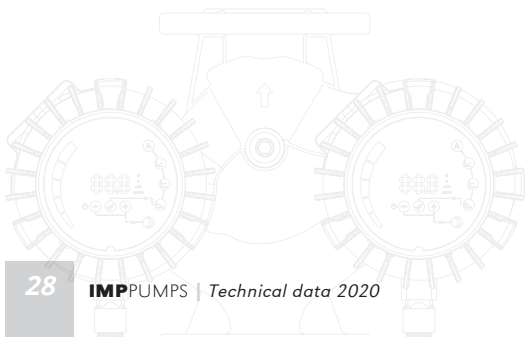


NMT MAX - flanged pumps

Code	Type	EEI	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
979523864	NMT MAX 40/100 F220	≤ 0,20	220	DN40	PN6/10	380	9,8
979523862	NMT MAX 40/100 F250	≤ 0,20	250	DN40	PN6/10	380	9,8
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
979525155	NMT MAX 100/40 F450 PN6	≤ 0,20	450	DN100	PN6	390	28,90
979525159	NMT MAX 100/40 F450 PN10	≤ 0,20	450	DN100	PN10	390	28,90

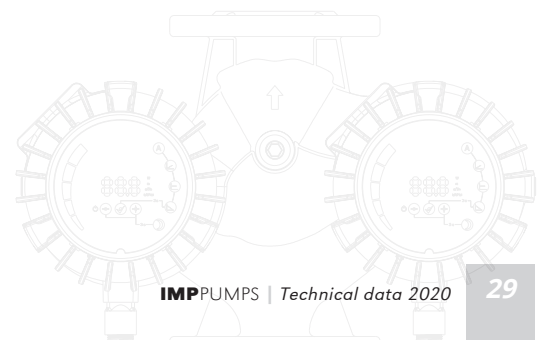
NMT MAX C - flanged fump with communication module

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
979523868	NMT MAX C 40/100 F220	≤ 0,20	220	DN40	PN6/10	380	9,8
979523866	NMT MAX C 40/100 F250	≤ 0,20	250	DN40	PN6/10	380	10,5
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
979524945	NMT MAX C 65/180 F340	≤ 0,20	340	DN65	PN6/10	1550	24
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
979524779	NMT MAX C 80/120 F360 PN6	≤ 0,20	360	DN80	PN6	1380	30
979524785	NMT MAX C 80/120 F360 PN10	≤ 0,20	360	DN80	PN10	1380	30
979524912	NMT MAX C 80/180 F360 PN6	≤ 0,20	360	DN80	PN6	1550	30
979524913	NMT MAX C 80/180 F360 PN10	≤ 0,20	360	DN80	PN10	1550	30
979525163	NMT MAX C 100/40 F450 PN6	≤ 0,20	450	DN100	PN6	390	
979525167	NMT MAX C 100/40 F450 PN10	≤ 0,20	450	DN100	PN10	390	
979525164	NMT MAX C 100/80 F450 PN6	≤ 0,20	450	DN100	PN6	1100	36
979525168	NMT MAX C 100/80 F450 PN10	≤ 0,20	450	DN100	PN10	1100	35,5
979525157	NMT MAX C 100/120 F450 PN6	≤ 0,20	450	DN100	PN6	1550	36
979525169	NMT MAX C 100/120 F450 PN10	≤ 0,20	450	DN100	PN10	1550	35,5
979525166	NMT MAX C 100/180 F450 PN6	≤ 0,20	450	DN100	PN6	1550	36
979525170	NMT MAX C 100/180 F450 PN10	≤ 0,20	450	DN100	PN10	1550	35,5



NMTD MAX - twin pump

Code	Type	EI	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
979525841	NMTD MAX 40/100 F220	≤ 0,20	220	DN40	PN6/10	2x380	
979525843	NMTD MAX 40/100 F250	≤ 0,20	250	DN40	PN6/10	2x380	
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	≤ 0,23	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	≤ 0,23	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	≤ 0,23	360	DN80	PN6	2x800	
979524793	NMTD MAX 80/80 F360 PN10	≤ 0,23	360	DN80	PN10	2x800	
979525171	NMTD MAX 100/40 F450 PN6	≤ 0,20	450	DN100	PN6	2x390	
979525175	NMTD MAX 100/40 F450 PN10	≤ 0,20	450	DN100	PN10	2x390	



NMTD MAX C - twin pump with communication module

Code	Type	EEl	Fitting length L [mm]	Pipe connection	PN	P _{max} [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
979525842	NMTD MAX C 40/100 F220	≤ 0,20	220	DN40	PN6/10	2x380	
979525844	NMTD MAX C 40/100 F250	≤ 0,20	250	DN40	PN6/10	2x380	
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	≤ 0,23	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	≤ 0,23	340	DN65	PN6/10	2x810	38,9
979524947	NMTD MAX C 65/180 F340	≤ 0,22	340	DN65	PN6/10	2x1550	
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	≤ 0,23	360	DN80	PN6	2x800	
979524796	NMTD MAX C 80/80 F360 PN10	≤ 0,23	360	DN80	PN10	2x800	
979524791	NMTD MAX C 80/120 F360 PN6	≤ 0,23	360	DN80	PN6	2x1380	
979524797	NMTD MAX C 80/120 F360 PN10	≤ 0,23	360	DN80	PN10	2x1380	
979524916	NMTD MAX C 80/180 F360 PN6	≤ 0,23	360	DN80	PN6	2x1550	
979524917	NMTD MAX C 80/180 F360 PN10	≤ 0,23	360	DN80	PN10	2x1550	
979525179	NMTD MAX C 100/40 F450 PN6	≤ 0,20	450	DN100	PN6	2x390	
979525183	NMTD MAX C 100/40 F450 PN10	≤ 0,20	450	DN100	PN10	2x390	
979525180	NMTD MAX C 100/80 F450 PN6	≤ 0,23	450	DN100	PN6	2x1100	
979525184	NMTD MAX C 100/80 F450 PN10	≤ 0,23	450	DN100	PN10	2x1100	
979525181	NMTD MAX C 100/120 F450 PN6	≤ 0,23	450	DN100	PN6	2x1550	
979525185	NMTD MAX C 100/120 F450 PN10	≤ 0,23	450	DN100	PN10	2x1550	
979525182	NMTD MAX C 100/180 F450 PN6	≤ 0,23	450	DN100	PN6	2x1550	
979525186	NMTD MAX C 100/180 F450 PN10	≤ 0,23	450	DN100	PN10	2x1550	

NMT SAN MAX - bronze hydraulic pumps

Code	Type	EEl	Fitting length L [mm]	Pipe connection	PN	P _{max} [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	

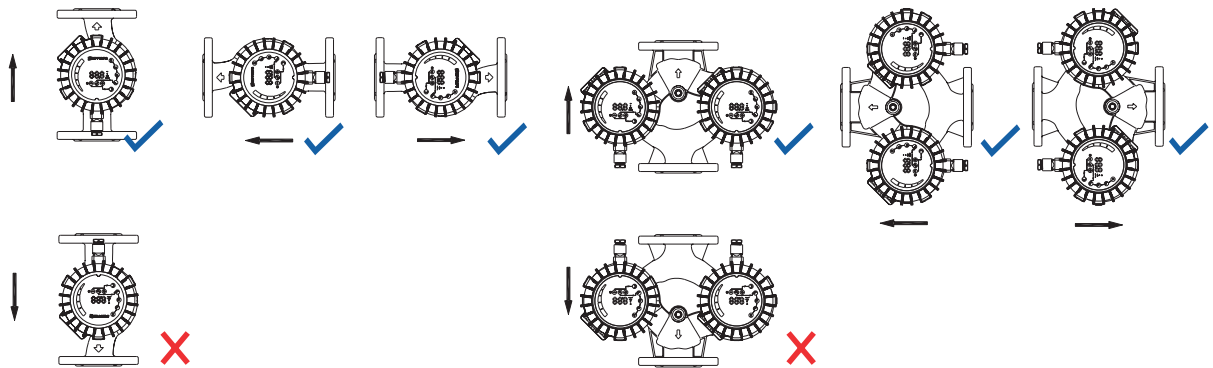
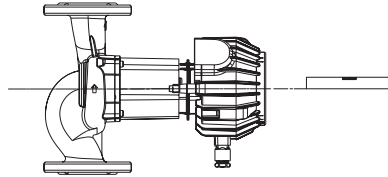
NMT SAN MAX C - bronze hydraulic pumps with communication module

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	
979524949	NMT SAN MAX C 65/180 F340	≤ 0,20	340	DN65	PN6/10	1550	

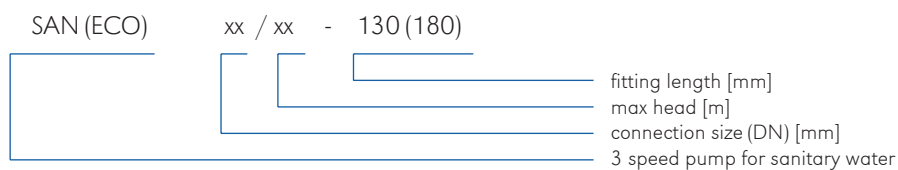
Installation

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

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



SAN (small pumps) - pumps for sanitary water



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)

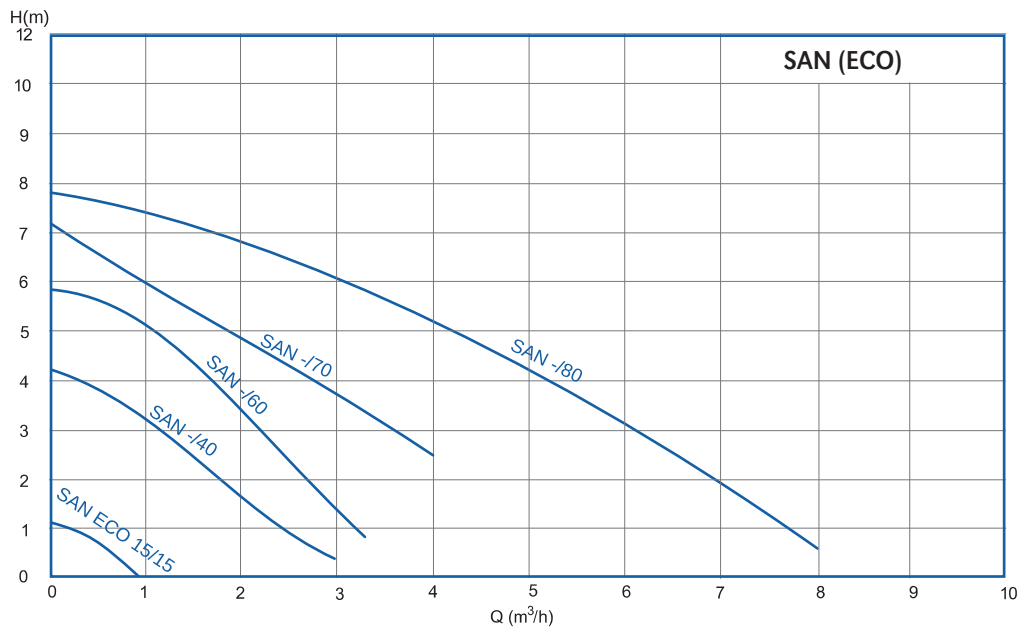
Technical specification

Q _{max}	up to 8,4 m ³ /h
H _{max}	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

Material

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

Performance range



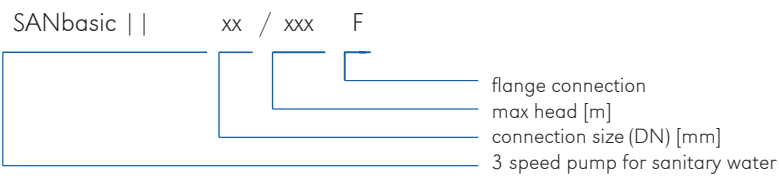
SAN - 3-speed pumps for sanitary water (bronze hydraulic)

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

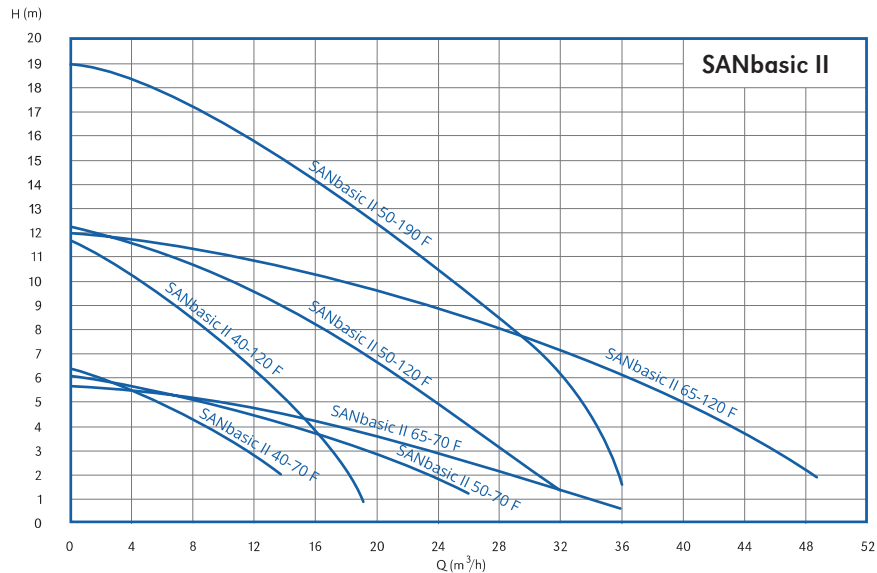
SANbasic II F – Flange pump for sanitary water



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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