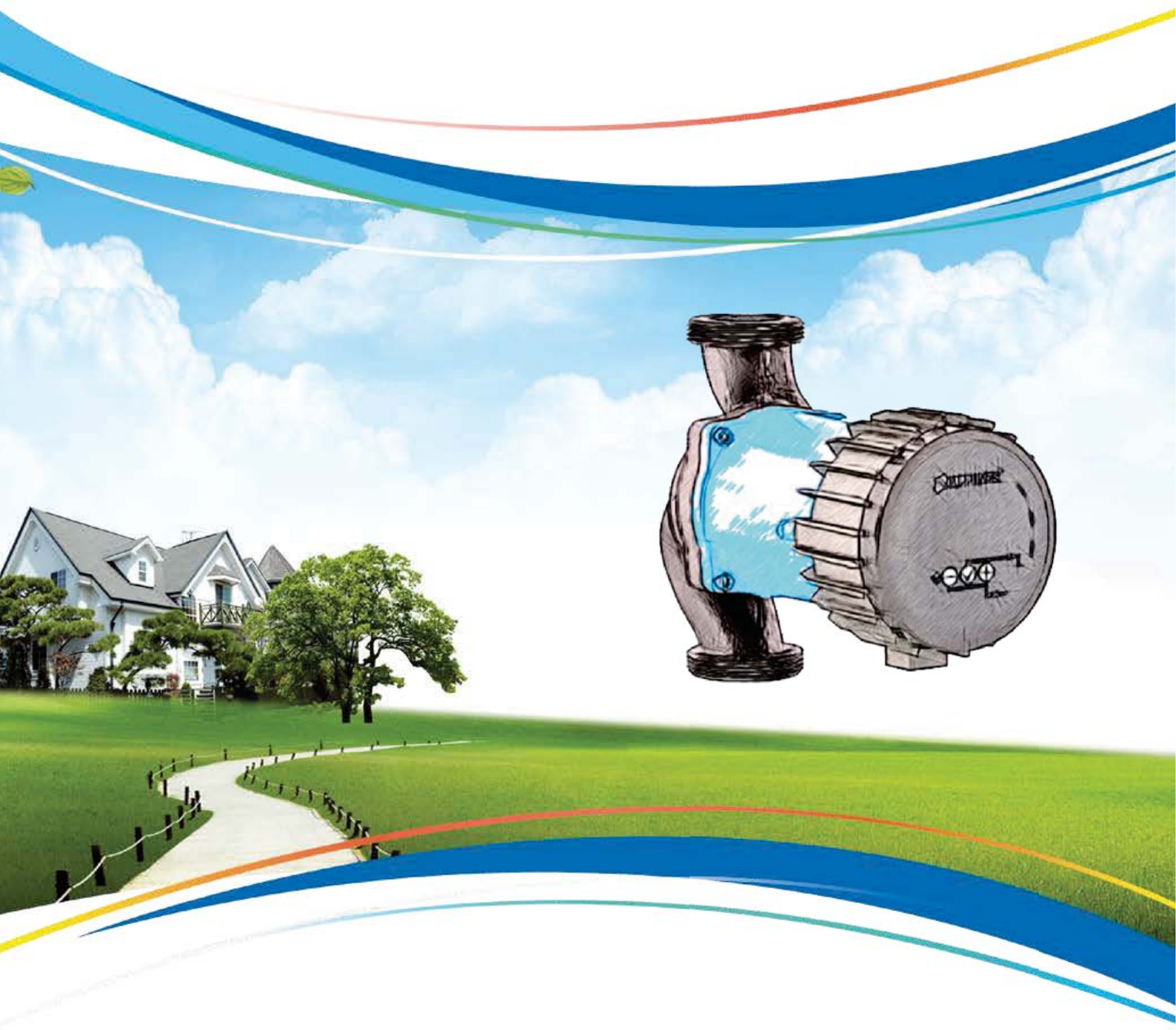
IMPPUMPS®
Intelligent Motor Pumps

www.imp-pumps.com



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

NMT NEW MOTOR TECHNOLOGY

ErP Ready NewMotorTechnology

TECHNICAL DATA 2015

INDEX

REGULATION ErP
WE ARE READY TO START
WITH HIGH-EFFICIENCY PUMPS AND AFFORDABLE PRICES

ErP Regulation (Energy related Products) translates as energy-relevant products. The objective of this Regulation, 2009 125 EC is to reduce energy consumption in accordance with the environmental requirements and it is 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 in practice in the following three steps:

- The first step from 01/01/2013 for the energy index up to (max.) 0.27 - Part 2
- The second step from 01/08 in 2015 for the energy index up to (max.) 0.23 - Part 2
- The third step from 01/01/2020 for the energy index up to (max.) 0.23 - Part 2 – including the pumps, which are being replaced in HVAC systems

The benchmark for most efficient cirulators is EEI ≤ 0,20 - Part 2.

The IMP PUMPS meet environmental requirements in accordance to ERP Regulation with high-efficiency pumps with affordable prices.

PUMP MARKINGS

NMT(D) (SAN) SMART (C) 50/100 F240

NMT	Pump type	**50**	Connection size (15, 20, 25, 32, 40, 50, 65, 80, 100,..)
D	Twin pump	**100**	Max head (in 0,1m of H_2O)
SAN	Bronze hydraulic casting	**F**	Flange connection (thread connection without letter)
SMART	Model name (MAX, LAN,...)	**240**	Lenght between flanges
C	Communication		

ABBREVIATIONS & THEIR MEANINGS

1 ~	Single-phase electric current
3 ~	3 phase electric current
DIN	Deutsches Institut für Normung
DN	nominal size of the connector
Δp	pressure difference
Δp-prop	proportional pressure difference
Δp-c	constant pressure difference
Δp-v	variable differential pressure
ECM-technology	BLDC synchronic motor with permanent magnets
EEI	Energy efficiency index
ErP	Energy related products
H	Pressure in meters
IP	Motor driven protection devices against environmental influences
ISO	EU standards
KTL	Cataphoresis protection with high corrosion resistance
Modbus	The standard communication protocol
NMT	New motor technology
NMT C	New motor technology electronically controlled circulation pump with communication module
NMTD	New motor technology electronically controlled circulation pump in a double execution
NMT SAN	New motor technology High-efficiency circulating pump for domestic hot water
NMT ER	New motor technology electronically controlled circulation pump with analog signal 0 - 10 V
PN	Nominal pressure in bars
Q	Flow rate in cubic meters.
VDI-Guidelines	Guidelines of the Association of German Engineers

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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.

ECO HIGH-EFFICIENCY REGULATED THREADED PUMPS NMT -/40

NMT

DESCRIPTION

Series of high efficiency wet running ECM rotor circulation pumps with permanent magnets and integrated electronic regulation with which the pumps can adapt to current needs of the system with proportional or constant pressure regulation.

- SAN option for use in domestic hot water circulating systems
- ER option with 0-10V analog input
- D option, twin pump

APLICATIONS

Used for circulation of water or a mixture of water/glycol in hot water heating systems, air conditioning systems and circulation systems.

OPERATION

Δp-Proportional pressure control

After selecting level pump recognizes the lowest resistance of the system and automatically adjusts its own strain.

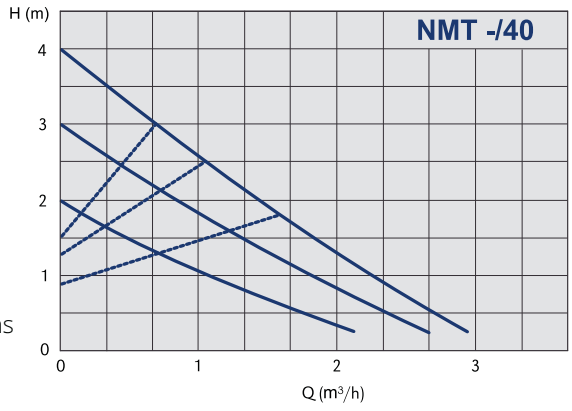
Δp-Constant speed

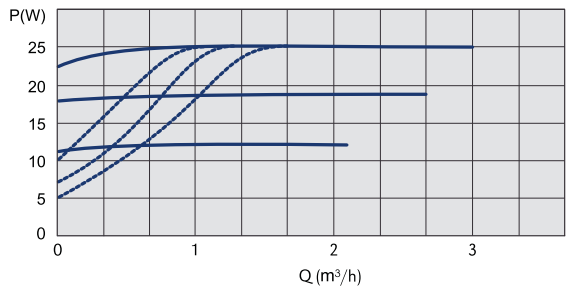
After selection pump works in three different speeds

PRODUCT DETAILS

- High efficiency ECM technology
- Energy savings
- Proportional pressure control
- Constant speed
- Easy handling and installation
- Robust and compact construction for long life
- Automatic venting
- Low noise operation
- Single body, which allows a variety of mounting positions
- Housing with cataphoresis (NMT SAN: bronze)

Pump component	Material
Housing	Cast iron
Impeller	Polyamid
Shaft	Ceramics
Bearings	Ceramics
Ventricular wall	Stainless steel
Rotor can	Stainless steel





Pump type	Pipe connection	DN	Fitting length	N. Pressure	Weight	Code
NMT 15/40-130	Rp ½	15	130 mm	PN 10 bar	1,9 kg	979522028
NMT 20/40-130	Rp ¾	20	130 mm	PN 10 bar	2,0 kg	979522024
NMT 25/40-130	Rp 1	25	130 mm	PN 10 bar	2,1 kg	979522025
NMT 20/40-180	Rp ¾	20	180 mm	PN 10 bar	2,3 kg	979522042
NMT 25/40-180	Rp 1	25	180 mm	PN 10 bar	2,4 kg	979522043
NMT 32/40-180	Rp 1 ¼	32	180 mm	PN 10 bar	2,5 kg	979522044
NMTD 25/40-180	Rp 1	25	180 mm	PN 10 bar	5,0 kg	979523572
NMTD 32/40-180	Rp 1 ¼	32	180 mm	PN 10 bar	5,2 kg	979523575
NMT SAN 20/40-130	Rp ¾	20	130 mm	PN 10 bar	2,1 kg	979523133
NMT SAN 25/40-130	Rp 1	25	130 mm	PN 10 bar	2,2 kg	979523134
NMT ER 15/40-130	Rp ½	15	130 mm	PN 10 bar	1,9 kg	979523143
NMT ER 20/40-130	Rp ¾	20	130 mm	PN 10 bar	2,0 kg	979523144
NMT ER 25/40-130	Rp 1	25	130 mm	PN 10 bar	2,1 kg	979523145
NMT ER 20/40-180	Rp ¾	20	180 mm	PN 10 bar	2,3 kg	979523146
NMT ER 25/40-180	Rp 1	25	180 mm	PN 10 bar	2,3 kg	979523147
NMT ER 32/40-180	Rp 1 ¼	32	180 mm	PN 10 bar	2,5 kg	979523148

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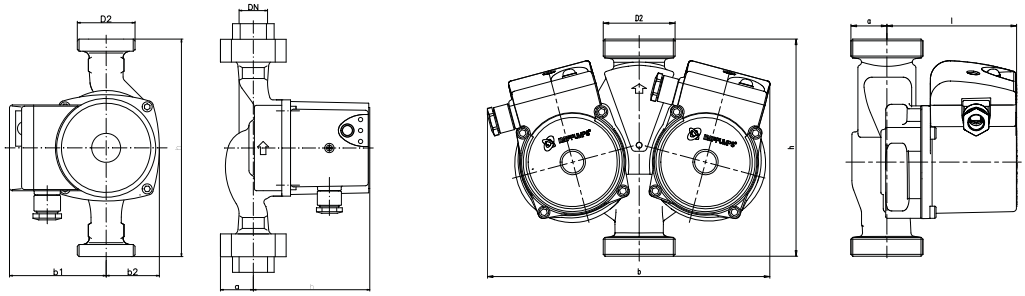
Dimensions	h	DN	D2	b	b1	b2	l	a
NMT -/40	130/180	15/20/25/32	1"/5/4"/6/4"/2"		80	48	108	27/29/32
NMTD -/40	180	25/32	6/4"/2"	234			107,2	29,8



TECHNICAL DATA

Flow Q up to 2,6 m³/h

Pressure H up to 4 m

Power 5 - 25 Watt

Nominal pressure 10 bar

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 from mineral oils and without solid particles

Permissible temperature range

- Medium temperature from +5 ºC to +95 ºC (NMT SAN +5 ºC to +65 ºC) with max. surroundings temperature up to +40 ºC

Minimum inlet pressure

0,05 bar < 75 ºC Temperature of medium

0,28 bar < 90 ºC Temperature of medium

Electrical connection

Voltage 1 ~ 230 V, 50/60 Hz

Motor/Electronics

- Motor with permanent magnets
- The energy index EEI ≤ 0,20 - Part 2
- Built-in motor protection
- Control Δp or constant speed
- Degree of protection: IP 44
- Insulation class F

ECO HIGH-EFFICIENCY REGULATED THREADED PUMPS NMT -/60

NMT

DESCRIPTION

Series of high efficiency wet running ECM rotor circulation pumps with permanent magnets and integrated electronic regulation with which the pumps can adapt to current needs of the system with proportional or constant pressure regulation.

- SAN option for use in domestic hot water circulating systems
- ER option with 0-10V analog input
- D option, twin pump

APLICATIONS

Used for circulation of water or a mixture of water/glycol in hot water heating systems, air conditioning systems and circulation systems.

OPERATION

Δp-Proportional pressure control

After selecting level pump recognizes the lowest resistance of the system and automatically adjusts its own strain.

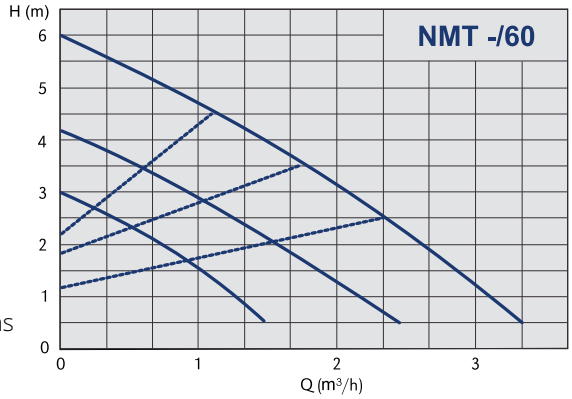
Δp-Constant speed

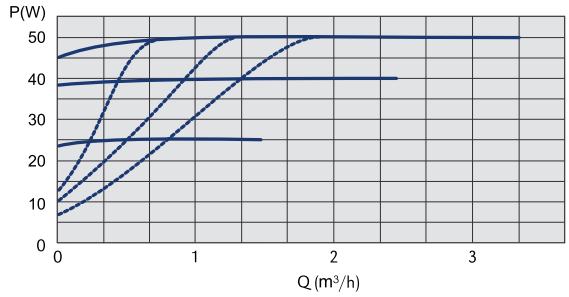
After selection pump works in three different speeds

PRODUCT DETAILS

- High efficiency ECM technology
- Energy savings
- Proportional pressure control
- Constant speed
- Easy handling and installation
- Robust and compact construction for long life
- Automatic venting
- Low noise operation
- Single body, which allows a variety of mounting positions
- Housing with cataphoresis (NMT SAN: bronze)

Pump component	Material
Housing	Cast iron
Impeller	Polyamid
Shaft	Ceramics
Bearings	Ceramics
Ventricular wall	Stainless steel
Rotor can	Stainless steel





Pump type	Pipe connection	DN	Fitting length	N. Pressure	Weight	Code
NMT 15/60-130	Rp ½	15	130 mm	PN 10 bar	1,9 kg	979522029
NMT 20/60-130	Rp ¾	20	130 mm	PN 10 bar	2,0 kg	979522026
NMT 25/60-130	Rp 1	25	130 mm	PN 10 bar	2,1 kg	979522027
NMT 20/60-180	Rp ¾	20	180 mm	PN 10 bar	2,3 kg	979522046
NMT 25/60-180	Rp 1	25	180 mm	PN 10 bar	2,4 kg	979522047
NMT 32/60-180	Rp 1 ¼	32	180 mm	PN 10 bar	2,5 kg	979522048
NMTD 25/60-180	Rp 1	25	180 mm	PN 10 bar	5,0 kg	979523573
NMTD 32/60-180	Rp 1 ¼	32	180 mm	PN 10 bar	5,2 kg	979523576
NMT SAN 20/60-130	Rp ¾	20	130 mm	PN 10 bar	2,1 kg	979523135
NMT SAN 25/60-130	Rp 1	25	130 mm	PN 10 bar	2,2 kg	979523136
NMT ER 15/60-130	Rp ½	15	130 mm	PN 10 bar	1,9 kg	979523149
NMT ER 20/60-130	Rp ¾	20	130 mm	PN 10 bar	2,0 kg	979523150
NMT ER 25/60-130	Rp 1	25	130 mm	PN 10 bar	2,1 kg	979523151
NMT ER 20/60-180	Rp ¾	20	180 mm	PN 10 bar	2,3 kg	979523152
NMT ER 25/60-180	Rp 1	25	180 mm	PN 10 bar	2,4 kg	979523153
NMT ER 32/60-180	Rp 1 ¼	32	180 mm	PN 10 bar	2,5 kg	979523154

NEW

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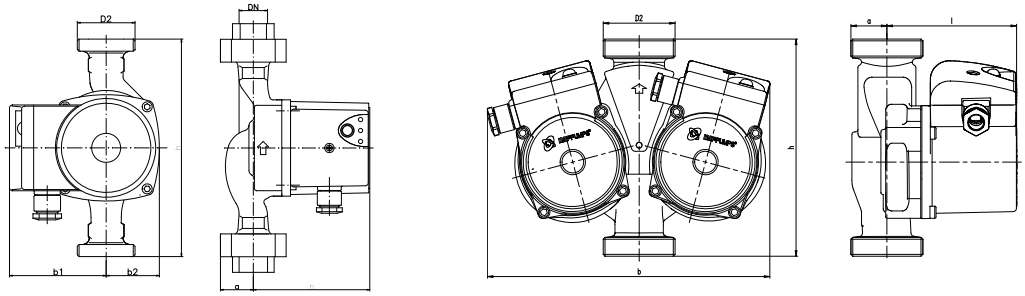
Dimensions	h	DN	D2	b	b1	b2	l	a
NMT -/60	130/180	15/20/25/32	1"/5/4"/6/4"/2"		80	48	108	27/29/32
NMTD -/60	180	25/32	6/4"/2"	234			107,2	29,8



TECHNICAL DATA

Flow Q up to 3,7 m³/h

Pressure H up to 6 m

Power 7 - 50 Watt

Nominal pressure 10 bar

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 from mineral oils and without solid particles

Permissible temperature range

- Medium temperature from +5 ºC to +95 ºC (NMT SAN +5 ºC to +65 ºC) with max. surroundings temperature up to +40 ºC

Minimum inlet pressure

0,05 bar < 75 ºC Temperature of medium

0,28 bar < 90 ºC Temperature of medium

Electrical connection

Voltage 1 ~ 230 V, 50/60 Hz

Motor/Electronics

- Motor with permanent magnets
- The energy index EEI ≤ 0,22 - Part 2
- Built-in motor protection
- Control Δp or constant speed
- Degree of protection: IP 44
- Insulation class F

ECO HIGH-EFFICIENCY REGULATED THREADED PUMPS NMT -/80

NMT

DESCRIPTION

Series of high efficiency wet running ECM rotor circulation pumps with permanent magnets and integrated electronic regulation with which the pumps can adapt to current needs of the system with proportional or constant pressure regulation.

- SAN option for use in domestic hot water circulating systems
- ER option with 0-10V analog input
- D option, twin pump

APLICATIONS

Used for circulation of water or a mixture of water/glycol in hot water heating systems, air conditioning systems and circulation systems.

OPERATION

Δp-Proportional pressure control

After selecting level pump recognizes the lowest resistance of the system and automatically adjusts its own strain.

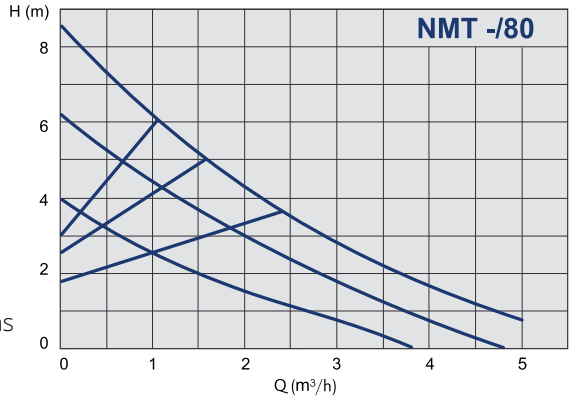
Δp-Constant speed

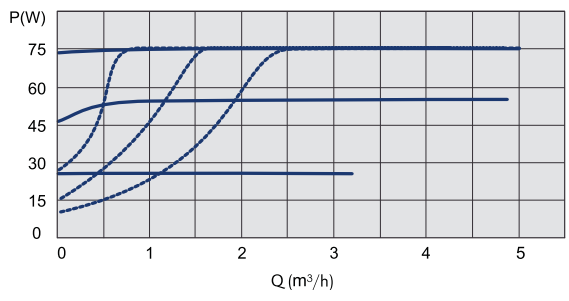
After selection pump works in three different speeds

PRODUCT DETAILS

- High efficiency ECM technology
- Energy savings
- Proportional pressure control
- Constant speed
- Easy handling and installation
- Robust and compact construction for long life
- Automatic venting
- Low noise operation
- Single body, which allows a variety of mounting positions
- Housing with cataphoresis (NMT SAN: bronze)

Pump component	Material
Housing	Cast iron
Impeller	Polyamid
Shaft	Ceramics
Bearings	Ceramics
Ventricular wall	Stainless steel
Rotor can	Stainless steel



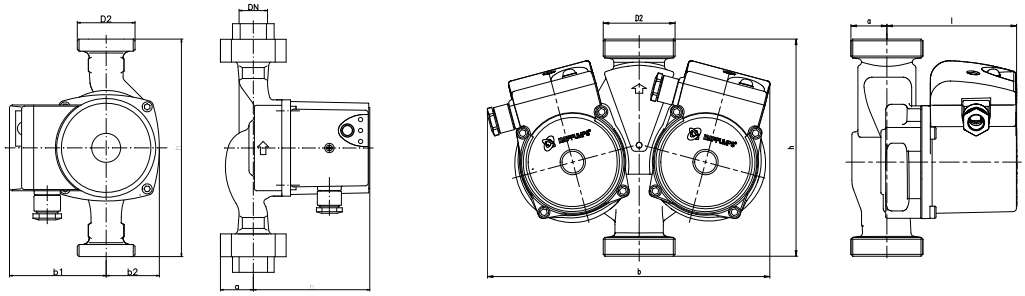


NMT	Cevni priključek	DN	Vgradna dolžina	Nazivni tlak	Teža	Koda
NMT 15/80-130	Rp ½	15	130 mm	PN 10 bar	1,9 kg	979522969
NMT 20/80-130	Rp ¾	20	130 mm	PN 10 bar	2,0 kg	979522970
NMT 25/80-130	Rp 1	25	130 mm	PN 10 bar	2,1 kg	979522971
NMT 20/80-180	Rp ¾	20	180 mm	PN 10 bar	2,3 kg	979522972
NMT 25/80-180	Rp 1	25	180 mm	PN 10 bar	2,4 kg	979522973
NMT 32/80-180	Rp 1 ¼	32	180 mm	PN 10 bar	2,5 kg	979522974
NMTD 25/80-180	Rp 1	25	180 mm	PN 10 bar	5,0 kg	979523574
NMTD 32/80-180	Rp 1 ¼	32	180 mm	PN 10 bar	5,2 kg	979523577
NMT SAN 20/80-130	Rp ¾	20	130 mm	PN 10 bar	2,1 kg	979523137
NMT SAN 25/80-130	Rp 1	25	130 mm	PN 10 bar	2,2 kg	979523138
NMT ER 15/80-130	Rp ½	15	130 mm	PN 10 bar	1,9 kg	979523155
NMT ER 20/80-130	Rp ¾	20	130 mm	PN 10 bar	2,0 kg	979523156
NMT ER 25/80-130	Rp 1	25	130 mm	PN 10 bar	2,1 kg	979523157
NMT ER 20/80-180	Rp ¾	20	180 mm	PN 10 bar	2,3 kg	979523158
NMT ER 25/80-180	Rp 1	25	180 mm	PN 10 bar	2,4 kg	979523159
NMT ER 32/80-180	Rp 1 ¼	32	180 mm	PN 10 bar	2,5 kg	979523160

NEW

NEW

Dimensions	h	DN	D2	b	b1	b2	l	a
NMT -/80	130/180	15/20/25/32	1"/5/4"/6/4"/2"		80	48	108	27/29/32
NMTD -/80	180	25/32	6/4"/2"	234			107,2	29,8



TECHNICAL DATA

Flow Q up to 4,5 m³/h

Pressure H up to 8 m

Power 7 - 75 Watt

Nominal pressure 10 bar

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 from mineral oils and without solid particles

Permissible temperature range

- Medium temperature from +5 ºC to +95 ºC (NMT SAN +5 ºC to +65 ºC) with max. surroundings temperature up to +40 ºC

Minimum inlet pressure

0,05 bar < 75 ºC Temperature of medium

0,28 bar < 90 ºC Temperature of medium

Electrical connection

Voltage 1 ~ 230 V, 50/60 Hz

Motor/Electronics

- Motor with permanent magnets
- The energy index EEI ≤ 0,24 - Part 2
- Built-in motor protection
- Control Δp or constant speed
- Degree of protection: IP 44
- Insulation class F

HIGH-EFFICIENCY REGULATED SMART THREADED PUMPS NMT SMART -/40

DESCRIPTION

Series of high efficiency wet running ECM rotor circulation pumps with permanent magnets and integrated electronic regulation with which the pumps can adapt to current needs of the system.

- D option, twin pump
- C option with communication module

APPLICATIONS

Used for circulation of water or a mixture of water/glycol in hot water heating systems, air conditioning systems and circulation systems.

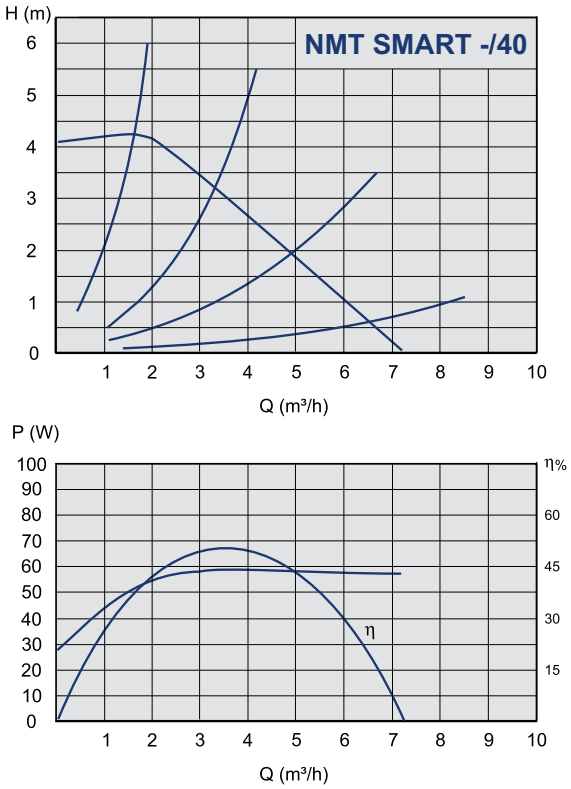
OPERATION

- Auto mode (default)
- Proportional pressure control
- Constant pressure control
- Constant speed
- Night mode

PRODUCT DETAILS

- High efficiency ECM technology
- Energy savings
- LED Display for control
- Easy handling and installation
- Plug & Play
- Robust and compact construction for long life
- Automatic venting
- Low noise operation
- Housing with cataphoresis
- NMTC communication module (option):
  - Ethernet connection
  - Modbus RTU connection
  - Analog Control input 0 - 10 V
  - 3 analog inputs/outputs
  - 1 relay output

Pump component	Material
Housing	Cast iron
Impeller	PES
Shaft	Stainless steel
Bearings	Graphite
Ventricular wall	Stainless steel
Rotor can	Stainless steel

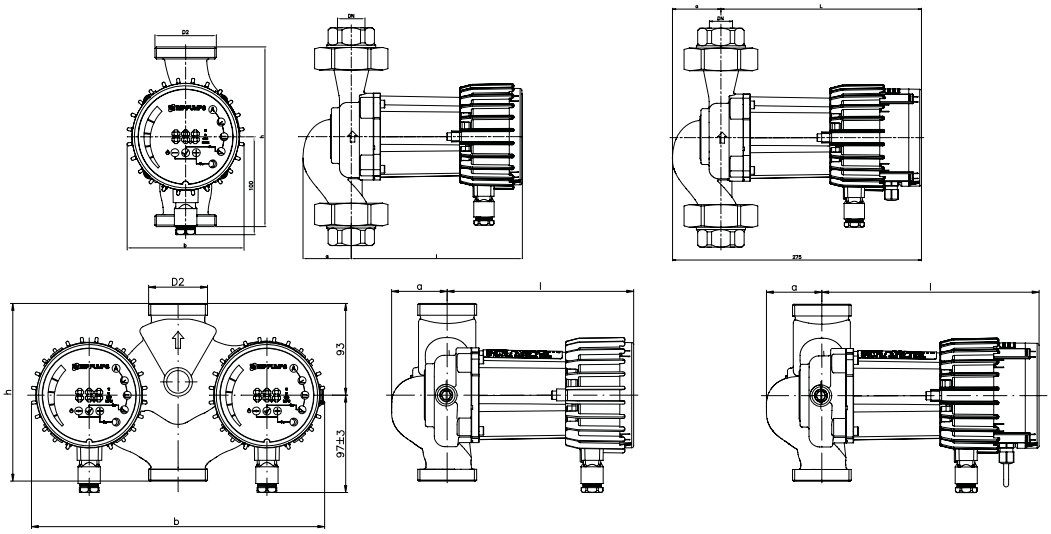


Pump type	Pipe connection	DN	Fitting length	N. Pressure	Weight	Code
NMT SMART 25/40	Rp 1	25	180 mm	PN 10 bar	3,2 kg	979523477
NMT SMART 32/40	Rp 1 ¼	32	180 mm	PN 10 bar	3,5 kg	979523478
NMT SMART C 25/40	Rp 1	25	180 mm	PN 10 bar	3,4 kg	979523488
NMT SMART C 32/40	Rp 1 ¼	32	180 mm	PN 10 bar	3,6 kg	979523489
NMTD SMART 32/40	Rp 1 ¼	32	180 mm	PN 10 bar	8,2 kg	979523546
NMTD SMART C 32/40	Rp 1 ¼	32	180 mm	PN 10 bar	8,6 kg	979523554

NEW

NEW

Dimensions	h	DN	D2	b	l	a
NMT SMART 25/40	180	25	6/4"	117	190	53
NMT SMART 32/40	180	32	2"	117	190	53
NMT SMART C 25/40	180	25	6/4"	117	222	53
NMT SMART C 32/40	180	32	2"	117	222	53
NMTD SMART 32/40	180	32	2“	297	190	56
NMTD SMART C 32/40	180	32	2"	297	222	56



TECHNICAL DATA

Flow Q up to 7,5 m³/h

Pressure H up to 4 m

Power 10 - 60 Watt

Nominal pressure 10 bar

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 from mineral oils and without solid particles

Permissible temperature range

- Medium temperature from +2 ºC to +110 ºC with max. surroundings temperature up to +40 ºC

Minimum inlet pressure

0,05 bar < 75 ºC Temperature of medium

0,28 bar < 90 ºC Temperature of medium

Electrical connection

Voltage 1 ~ 230 V, 50/60 Hz

Motor/Electronics

- Motor with permanent magnets
- The energy index EEI ≤ 0,21 - Part 2
- Built-in motor protection
- Degree of protection: IP 44
- Insulation class F

HIGH-EFFICIENCY REGULATED SMART THREADED PUMPS NMT SMART -/60

DESCRIPTION

Series of high efficiency wet running ECM rotor circulation pumps with permanent magnets and integrated electronic regulation with which the pumps can adapt to current needs of the system.

- D option, twin pump
- C option with communication module

APPLICATIONS

Used for circulation of water or a mixture of water/glycol in hot water heating systems, air conditioning systems and circulation systems.

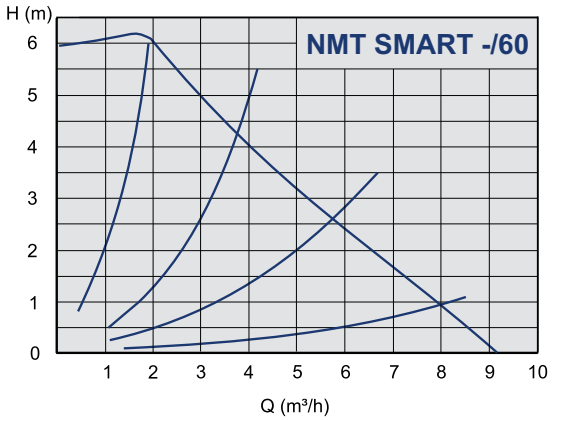
OPERATION

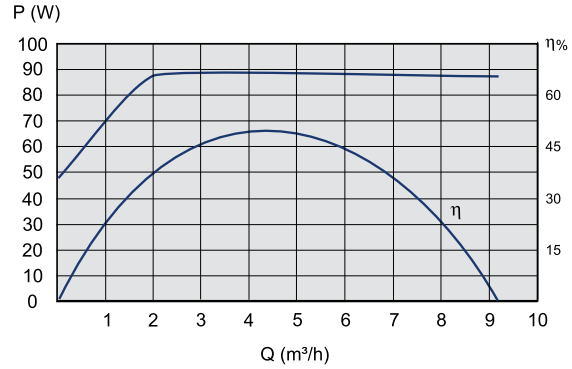
- Auto mode (default)
- Proportional pressure control
- Constant pressure control
- Constant speed
- Night mode

PRODUCT DETAILS

- High efficiency ECM technology
- Energy savings
- LED Display for control
- Easy handling and installation
- Plug & Play
- Robust and compact construction for long life
- Automatic venting
- Low noise operation
- Housing with cataphoresis
- NMTC communication module (option):
  - Ethernet connection
  - Modbus RTU connection
  - Analog Control input 0 - 10 V
  - 3 analog inputs/outputs
  - 1 relay output

Pump component	Material
Housing	Cast iron
Impeller	PES
Shaft	Stainless steel
Bearings	Graphite
Ventricular wall	Stainless steel
Rotor can	Stainless steel



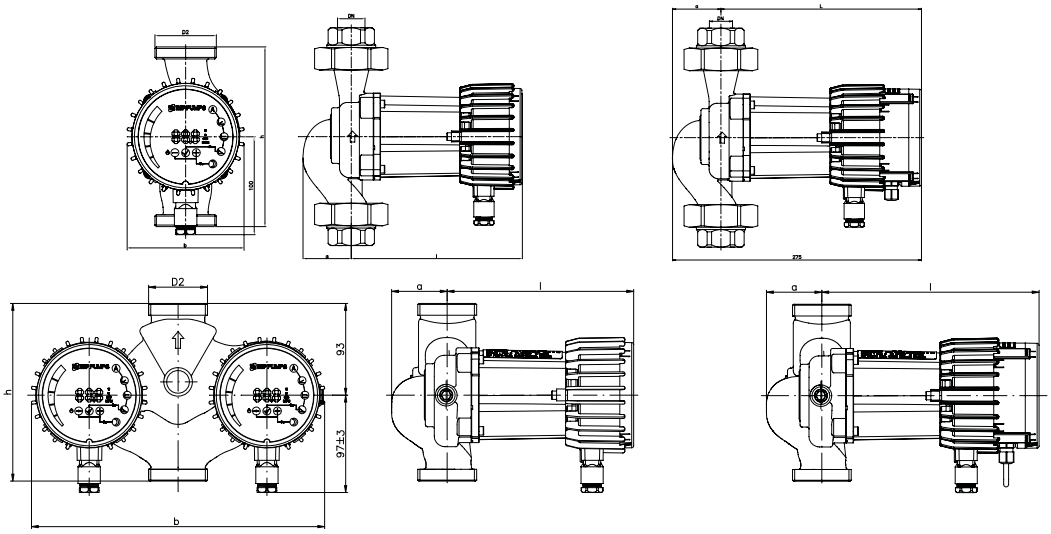


Pump type	Pipe connection	DN	Fitting length	N. Pressure	Weight	Code
NMT SMART 25/60	Rp 1	25	180 mm	PN 10 bar	3,2 kg	979523480
NMT SMART 32/60	Rp 1 ¼	32	180 mm	PN 10 bar	3,5 kg	979523481
NMT SMART C 25/60	Rp 1	25	180 mm	PN 10 bar	3,4 kg	979523491
NMT SMART C 32/60	Rp 1 ¼	32	180 mm	PN 10 bar	3,6 kg	979523492
NMTD SMART 32/60	Rp 1 ¼	32	180 mm	PN 10 bar	8,2 kg	979523547
NMTD SMART C 32/60	Rp 1 ¼	32	180 mm	PN 10 bar	8,6 kg	979523555

NEW

NEW

Dimensions	h	DN	D2	b	l	a
NMT SMART 25/60	180	25	6/4"	117	190	53
NMT SMART 32/60	180	32	2"	117	190	53
NMT SMART C 25/60	180	25	6/4"	117	222	53
NMT SMART C 32/60	180	32	2"	117	222	53
NMTD SMART 32/60	180	32	2“	297	190	56
NMTD SMART C 32/60	180	32	2“	297	222	56



TECHNICAL DATA

Flow Q up to 9 m³/h

Pressure H up to 6 m

Power 10 - 90 Watt

Nominal pressure 10 bar

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 from mineral oils and without solid particles

Permissible temperature range

- Medium temperature from +2 ºC to +110 ºC with max. surroundings temperature up to +40 ºC

Minimum inlet pressure

0,05 bar < 75 ºC Temperature of medium

0,28 bar < 90 ºC Temperature of medium

Electrical connection

Voltage 1 ~ 230 V, 50/60 Hz

Motor/Electronics

- Motor with permanent magnets
- The energy index EEI ≤ 0,21 - Part 2
- Built-in motor protection
- Degree of protection: IP 44
- Insulation class F

HIGH-EFFICIENCY REGULATED SMART THREADED PUMPS NMT SMART -/80

DESCRIPTION

Series of high efficiency wet running ECM rotor circulation pumps with permanent magnets and integrated electronic regulation with which the pumps can adapt to current needs of the system.

- D option, twin pump
- C option with communication module

APPLICATIONS

Used for circulation of water or a mixture of water/glycol in hot water heating systems, air conditioning systems and circulation systems.

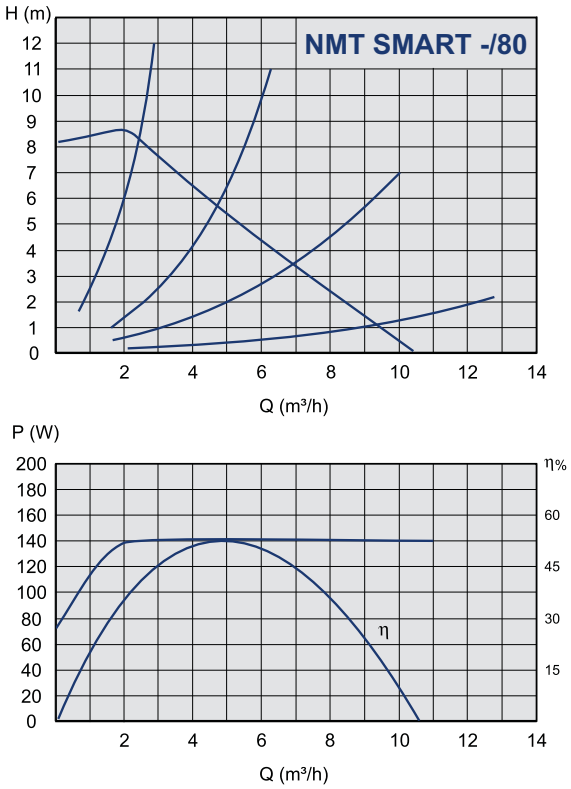
OPERATION

- Auto mode (default)
- Proportional pressure control
- Constant pressure control
- Constant speed
- Night mode

PRODUCT DETAILS

- High efficiency ECM technology
- Energy savings
- LED Display for control
- Easy handling and installation
- Plug & Play
- Robust and compact construction for long life
- Automatic venting
- Low noise operation
- Housing with cataphoresis
- NMTC communication module (option):
  - Ethernet connection
  - Modbus RTU connection
  - Analog Control input 0 - 10 V
  - 3 analog inputs/outputs
  - 1 relay output

Pump component	Material
Housing	Cast iron
Impeller	PES
Shaft	Stainless steel
Bearings	Graphite
Ventricular wall	Stainless steel
Rotor can	Stainless steel

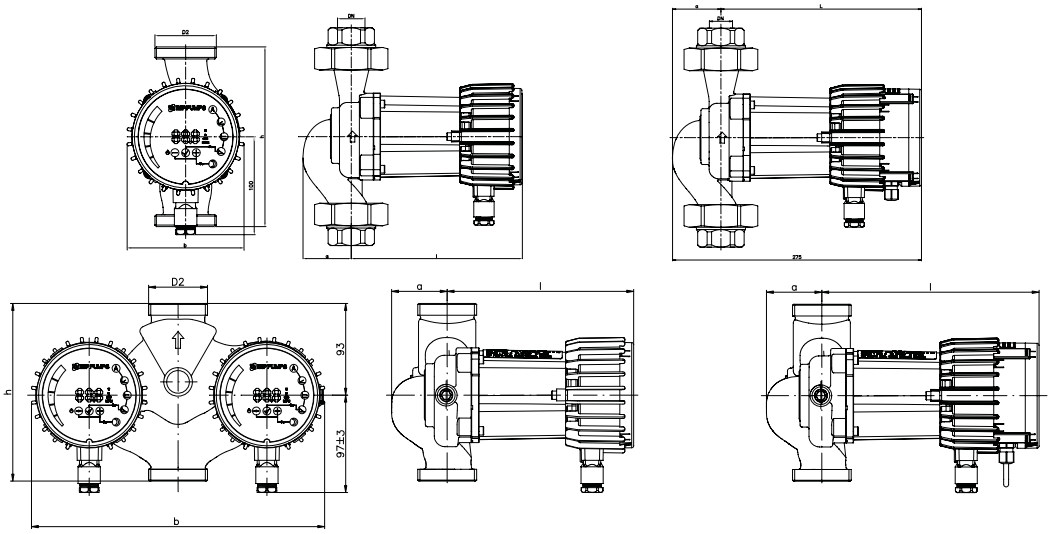


Pump type	Pipe connection	DN	Fitting length	N. Pressure	Weight	Code
NMT SMART 25/80	Rp 1	25	180 mm	PN 10 bar	3,2 kg	979523484
NMT SMART 32/80	Rp 1 ¼	32	180 mm	PN 10 bar	3,5 kg	979523485
NMT SMART C 25/80	Rp 1	25	180 mm	PN 10 bar	3,4 kg	979523495
NMT SMART C 32/80	Rp 1 ¼	32	180 mm	PN 10 bar	3,6 kg	979523496
NMTD SMART 32/80	Rp 1 ¼	32	180 mm	PN 10 bar	8,2 kg	979523548
NMTD SMART C 32/80	Rp 1 ¼	32	180 mm	PN 10 bar	8,6 kg	979523556

NEW

NEW

Dimensions	h	DN	D2	b	l	a
NMT SMART 25/80	180	25	6/4"	117	190	53
NMT SMART 32/80	180	32	2"	117	190	53
NMT SMART C 25/80	180	25	6/4"	117	222	53
NMT SMART C 32/80	180	32	2"	117	222	53
NMTD SMART 32/80	180	32	2“	297	190	56
NMTD SMART C 32/80	180	32	2“	297	222	56



TECHNICAL DATA

Flow Q up to 10 m³/h

Pressure H up to 8 m

Power 10 - 140 Watt

Nominal pressure 10 bar

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 from mineral oils and without solid particles

Permissible temperature range

- Medium temperature from +2 ºC to +110 ºC with max. surroundings temperature up to +40 ºC

Minimum inlet pressure

0,05 bar < 75 ºC Temperature of medium

0,28 bar < 90 ºC Temperature of medium

Electrical connection

Voltage 1 ~ 230 V, 50/60 Hz

Motor/Electronics

- Motor with permanent magnets
- The energy index EEI ≤ 0,21 - Part 2
- Built-in motor protection
- Degree of protection: IP 44
- Insulation class F

HIGH-EFFICIENCY REGULATED SMART THREADED PUMPS NMT SMART -/100

DESCRIPTION

Series of high efficiency wet running ECM rotor circulation pumps with permanent magnets and integrated electronic regulation with which the pumps can adapt to current needs of the system.

- D option, twin pump
- C option with communication module

APPLICATIONS

Used for circulation of water or a mixture of water/glycol in hot water heating systems, air conditioning systems and circulation systems.

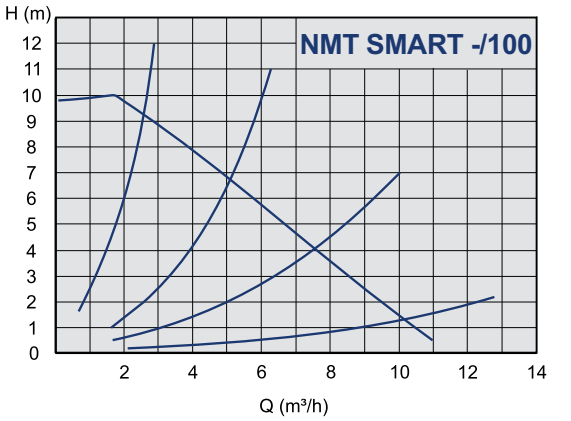
OPERATION

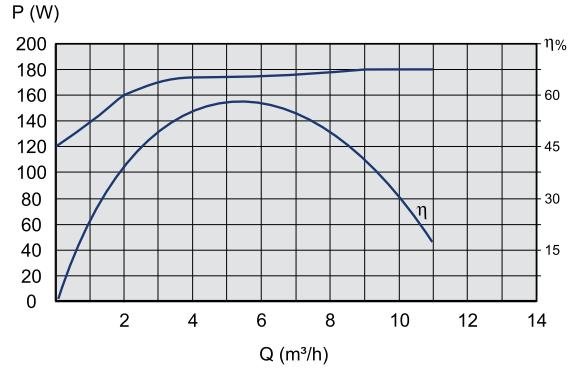
- Auto mode (default)
- Proportional pressure control
- Constant pressure control
- Constant speed
- Night mode

PRODUCT DETAILS

- High efficiency ECM technology
- Energy savings
- LED Display for control
- Easy handling and installation
- Plug & Play
- Robust and compact construction for long life
- Automatic venting
- Low noise operation
- Housing with cataphoresis
- NMTC communication module (option):
  - Ethernet connection
  - Modbus RTU connection
  - Analog Control input 0 - 10 V
  - 3 analog inputs/outputs
  - 1 relay output

Pump component	Material
Housing	Cast iron
Impeller	PES
Shaft	Stainless steel
Bearings	Graphite
Ventricular wall	Stainless steel
Rotor can	Stainless steel



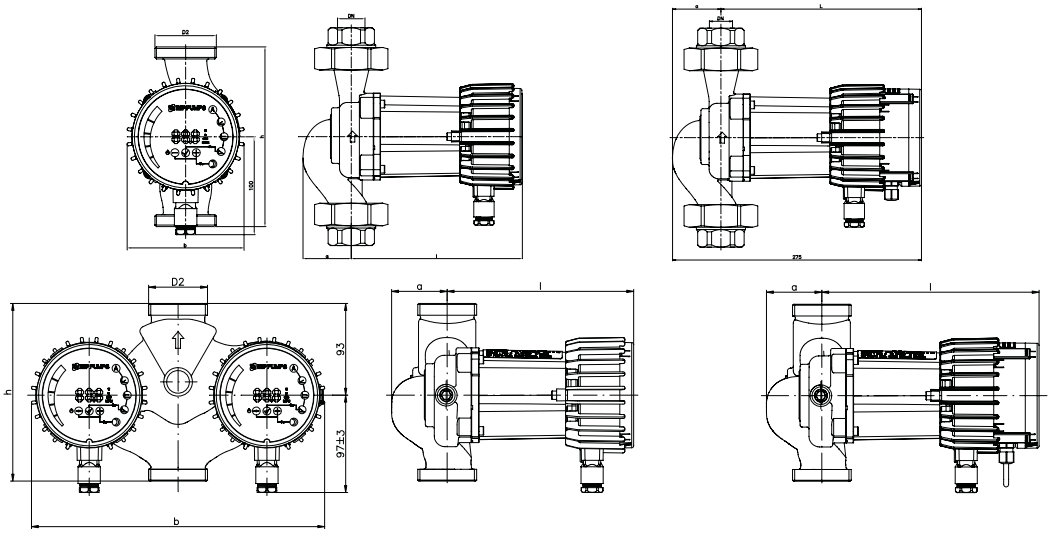


Pump type	Pipe connection	DN	Fitting length	N. Pressure	Weight	Code
NMT SMART 25/100	Rp 1	25	180 mm	PN 10 bar	3,2 kg	979523301
NMT SMART 32/100	Rp 1 ¼	32	180 mm	PN 10 bar	3,5 kg	979523216
NMT SMART C 25/100	Rp 1	25	180 mm	PN 10 bar	3,4 kg	979523371
NMT SMART C 32/100	Rp 1 ¼	32	180 mm	PN 10 bar	3,6 kg	979523367
NMTD SMART 32/100	Rp 1 ¼	32	180 mm	PN 10 bar	8,2 kg	979523549
NMTD SMART C 32/100	Rp 1 ¼	32	180 mm	PN 10 bar	8,6 kg	979523557

NEW

NEW

Dimensions	h	DN	D2	b	l	a
NMT SMART 25/100	180	25	6/4"	117	190	53
NMT SMART 32/100	180	32	2"	117	190	53
NMT SMART C 25/100	180	25	6/4"	117	222	53
NMT SMART C 32/100	180	32	2"	117	222	53
NMTD SMART 32/100	180	32	2“	297	190	56
NMTD SMART C 32/100	180	32	2“	297	222	56



TECHNICAL DATA

Flow Q up to 11 m³/h

Pressure H up to 10 m

Power 10 - 180 Watt

Nominal pressure 10 bar

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 from mineral oils and without solid particles

Permissible temperature range

- Medium temperature from +2 ºC to +110 ºC with max. surroundings temperature up to +40 ºC

Minimum inlet pressure

0,05 bar < 75 ºC Temperature of medium

0,28 bar < 90 ºC Temperature of medium

Electrical connection

Voltage 1 ~ 230 V, 50/60 Hz

Motor/Electronics

- Motor with permanent magnets
- The energy index EEI ≤ 0,21 - Part 2
- Built-in motor protection
- Degree of protection: IP 44
- Insulation class F

NEW

HIGH-EFFICIENCY REGULATED SMART THREADED PUMPS NMT SMART -/120

DESCRIPTION

Series of high efficiency wet running ECM rotor circulation pumps with permanent magnets and integrated electronic regulation with which the pumps can adapt to current needs of the system.

- D option, twin pump
- C option with communication module

APPLICATIONS

Used for circulation of water or a mixture of water/glycol in hot water heating systems, air conditioning systems and circulation systems.

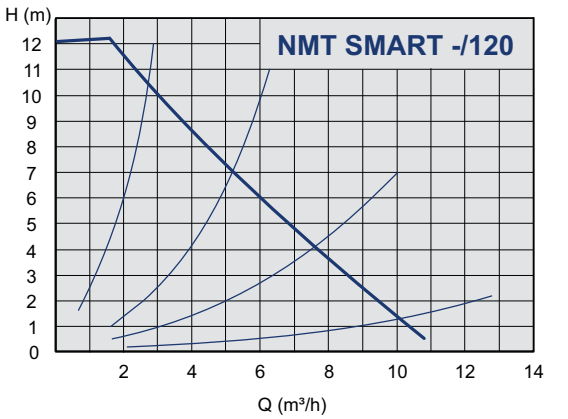
OPERATION

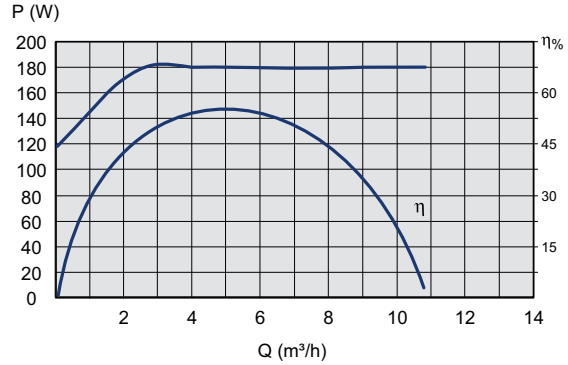
- Auto mode (default)
- Proportional pressure control
- Constant pressure control
- Constant speed
- Night mode

PRODUCT DETAILS

- High efficiency ECM technology
- Energy savings
- LED Display for control
- Easy handling and installation
- Plug & Play
- Robust and compact construction for long life
- Automatic venting
- Low noise operation
- Housing with cataphoresis
- NMTC communication module (option):
  - Ethernet connection
  - Modbus RTU connection
  - Analog Control input 0 - 10 V
  - 3 analog inputs/outputs
  - 1 relay output

Pump component	Material
Housing	Cast iron
Impeller	PES
Shaft	Stainless steel
Bearings	Graphite
Ventricular wall	Stainless steel
Rotor can	Stainless steel



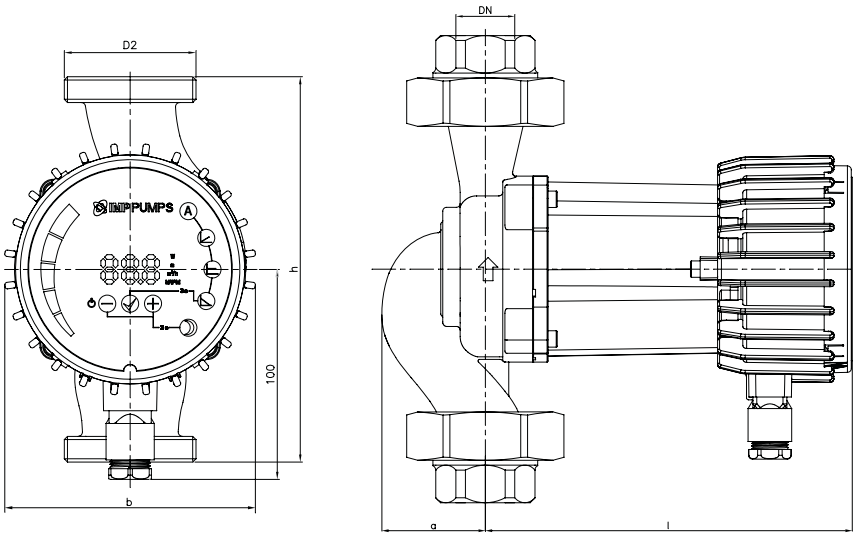


Pump type	Pipe connection	DN	Fitting length	N. Pressure	Weight	Code
NMT SMART 25/120	Rp 1	25	180 mm	PN 10 bar	3,2 kg	979523664
NMT SMART 32/120	Rp 1 ¼	32	180 mm	PN 10 bar	3,5 kg	979523771

NEW

NEW

Dimensions	h	DN	D2	b	l	a
NMT SMART 25/120	180	25	6/4"	117	190	53
NMT SMART 32/120	180	32	2"	117	190	53



TECHNICAL DATA

Flow Q up to 11 m³/h

Pressure H up to 12 m

Power 10 - 180 Watt

Nominal pressure 10 bar

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 from mineral oils and without solid particles

Permissible temperature range

- Medium temperature from +2 ºC to +110 ºC with max. surroundings temperature up to +40 ºC

Minimum inlet pressure

0,05 bar < 75 ºC Temperature of medium

0,28 bar < 90 ºC Temperature of medium

Electrical connection

Voltage 1 ~ 230 V, 50/60 Hz

Motor/Electronics

- Motor with permanent magnets
- The energy index EEI ≤ 0,21 - Part 2
- Built-in motor protection
- Degree of protection: IP 44
- Insulation class F

HIGH-EFFICIENCY REGULATED SMART FLANGED PUMP NMT SMART -/40F

DESCRIPTION

Series of high efficiency wet running ECM rotor circulation pumps with permanent magnets and integrated electronic regulation with which the pumps can adapt to current needs of the system.

- D option, twin pump
- C option with communication module

APPLICATIONS

Used for circulation of water or a mixture of water/glycol in hot water heating systems, air conditioning systems and circulation systems.

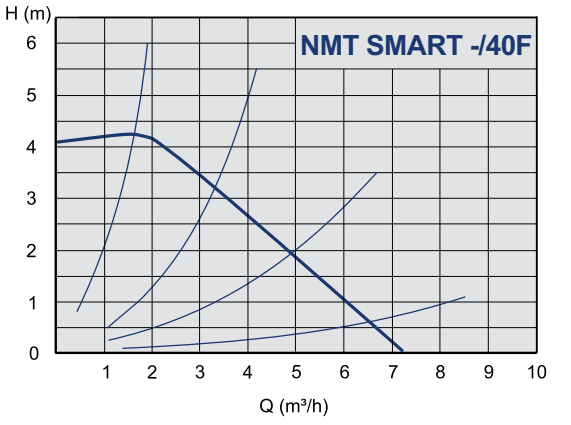
OPERATION

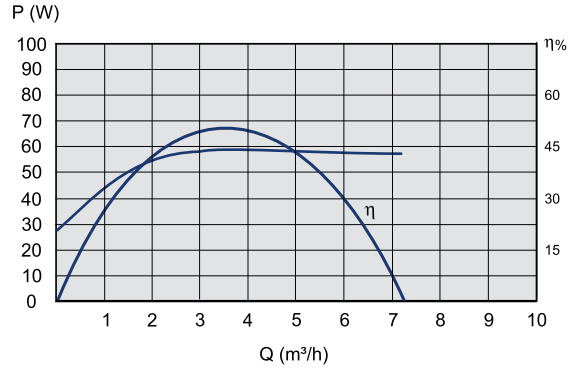
- Auto mode (default)
- Proportional pressure control
- Constant pressure control
- Constant speed
- Night mode

PRODUCT DETAILS

- High efficiency ECM technology
- Energy savings
- LED Display for control
- Easy handling and installation
- Plug & Play
- Robust and compact construction for long life
- Automatic venting
- Low noise operation
- Housing with cataphoresis
- NMTC communication module (option):
  - Ethernet connection
  - Modbus RTU connection
  - Analog Control input 0 - 10 V
  - 3 analog inputs/outputs
  - 1 relay output

Pump component	Material
Housing	Cast iron
Impeller	PES
Shaft	Stainless steel
Bearings	Graphite
Ventricular wall	Stainless steel
Rotor can	Stainless steel



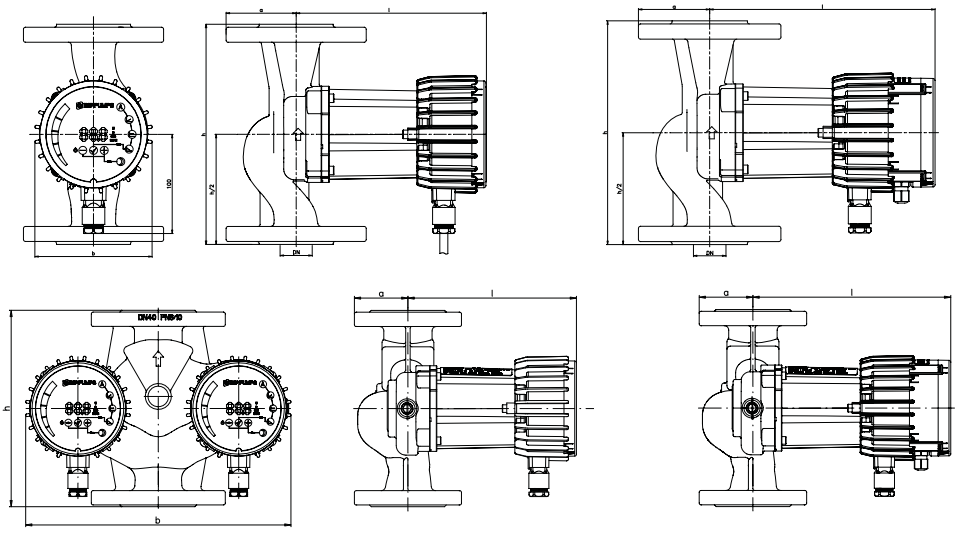


Pump type	DN	Fitting length	N. Pressure	Weight	Code
NMT SMART 32/40F	32	220 mm	PN 6/10 bar	6,4 kg	979523479
NMT SMART 40/40F	40	220 mm	PN 6/10 bar	7,6 kg	979523514
NMT SMART C 32/40F	32	220 mm	PN 6/10 bar	6,5 kg	979523490
NMT SMART C 40/40F	40	220 mm	PN 6/10 bar	7,8 kg	979523515
NMTD SMART 40/40F	40	220 mm	PN 6/10 bar	11,0 kg	979523550
NMTD SMART C 40/40F	40	220 mm	PN 6/10 bar	11,4 kg	979523558

NEW

NEW

Dimensions	h	DN	b	l	a
NMT SMART 32/40F	220	32	117	190	70
NMT SMART 40/40F	220	40	117	190	75
NMT SMART C 32/40F	220	32	117	222	70
NMT SMART C 40/40F	220	40	117	222	75
NMTD SMART 40/40F	220	40	297	190	56
NMTD SMART C 40/40F	220	40	297	222	56



TECHNICAL DATA

Flow Q up to 7,5 m³/h

Pressure H up to 4 m

Power 10 - 60 Watt

Nominal pressure PN 6/10 bar

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 from mineral oils and without solid particles

Permissible temperature range

- Medium temperature from +2 ºC to +110 ºC with max. surroundings temperature up to +40 ºC

Minimum inlet pressure

0,05 bar < 75 ºC Temperature of medium

0,28 bar < 90 ºC Temperature of medium

Electrical connection

Voltage 1 ~ 230 V, 50/60 Hz

Motor/Electronics

- Motor with permanent magnets
- The energy index EEI ≤ 0,21 - Part 2
- Built-in motor protection
- Degree of protection: IP 44
- Insulation class F

HIGH-EFFICIENCY REGULATED SMART FLANGED PUMP NMT SMART -/60F

DESCRIPTION

Series of high efficiency wet running ECM rotor circulation pumps with permanent magnets and integrated electronic regulation with which the pumps can adapt to current needs of the system.

- D option, twin pump
- C option with communication module

APPLICATIONS

Used for circulation of water or a mixture of water/glycol in hot water heating systems, air conditioning systems and circulation systems.

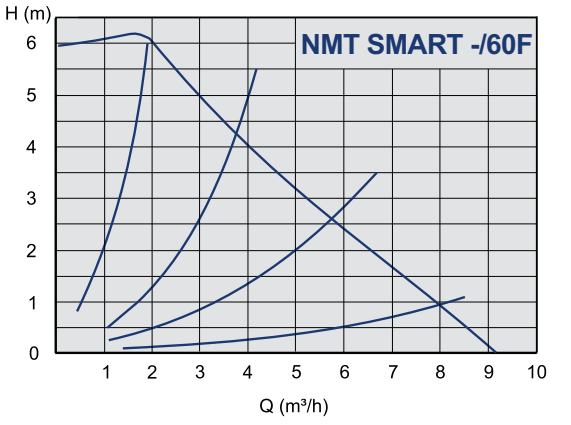
OPERATION

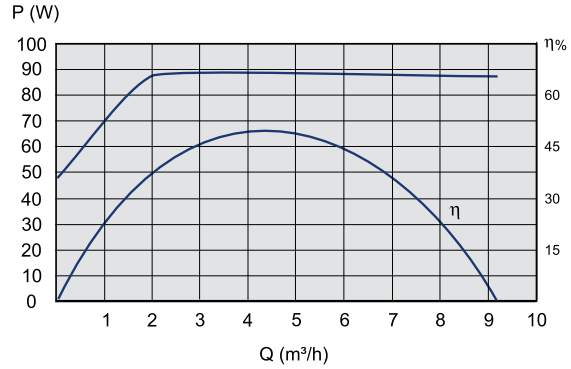
- Auto mode (default)
- Proportional pressure control
- Constant pressure control
- Constant speed
- Night mode

PRODUCT DETAILS

- High efficiency ECM technology
- Energy savings
- LED Display for control
- Easy handling and installation
- Plug & Play
- Robust and compact construction for long life
- Automatic venting
- Low noise operation
- Housing with cataphoresis
- NMTC communication module (option):
  - Ethernet connection
  - Modbus RTU connection
  - Analog Control input 0 - 10 V
  - 3 analog inputs/outputs
  - 1 relay output

Pump component	Material
Housing	Cast iron
Impeller	PES
Shaft	Stainless steel
Bearings	Graphite
Ventricular wall	Stainless steel
Rotor can	Stainless steel



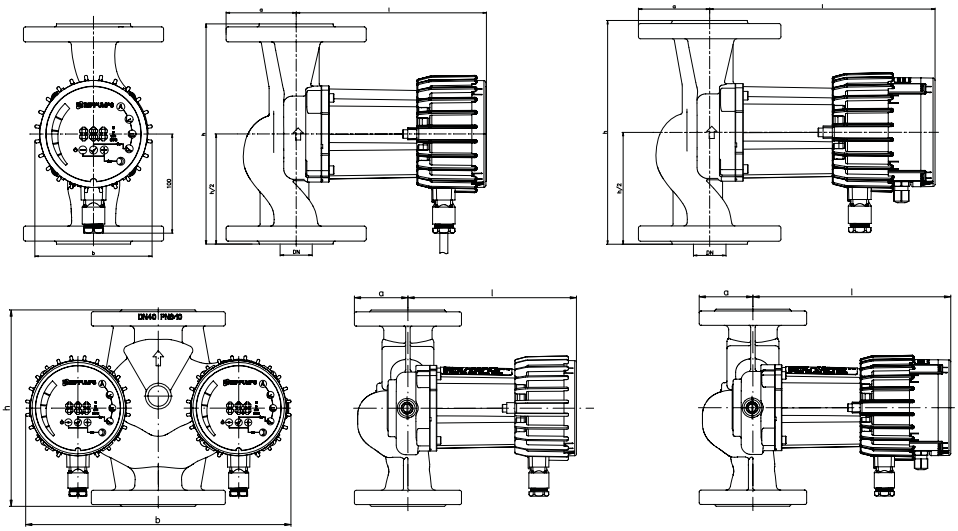


Pump type	DN	Fitting length	N. Pressure	Weight	Code
NMT SMART 32/60F	32	220 mm	PN 6/10 bar	6,4 kg	979523482
NMT SMART 40/60F	40	220 mm	PN 6/10 bar	7,6 kg	979523483
NMT SMART C 32/60F	32	220 mm	PN 6/10 bar	6,5 kg	979523493
NMT SMART C 40/60F	40	220 mm	PN 6/10 bar	7,8 kg	979523494
NMTD SMART 40/60F	40	220 mm	PN 6/10 bar	11,0 kg	979523551
NMTD SMART C 40/60F	40	220 mm	PN 6/10 bar	11,4 kg	979523559

NEW

NEW

Dimensions	h	DN	b	l	a
NMT SMART 32/60F	220	32	117	190	70
NMT SMART 40/60F	220	40	117	190	75
NMT SMART C 32/60F	220	32	117	222	70
NMTSMART C 40/60F	220	40	117	222	75
NMTD SMART 40/60F	220	40	297	190	56
NMTD SMART C 40/60F	220	40	297	222	56



TECHNICAL DATA

Flow Q up to 9 m³/h

Pressure H up to 6 m

Power 10 - 90 Watt

Nominal pressure PN 6/10 bar

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 from mineral oils and without solid particles

Permissible temperature range

- Medium temperature from +2 ºC to +110 ºC with max. surroundings temperature up to +40 ºC

Minimum inlet pressure

0,05 bar < 75 ºC Temperature of medium

0,28 bar < 90 ºC Temperature of medium

Electrical connection

Voltage 1 ~ 230 V, 50/60 Hz

Motor/Electronics

- Motor with permanent magnets
- The energy index EEI ≤ 0,21 - Part 2
- Built-in motor protection
- Degree of protection: IP 44
- Insulation class F

HIGH-EFFICIENCY REGULATED SMART FLANGED PUMP NMT SMART -/80F

DESCRIPTION

Series of high efficiency wet running ECM rotor circulation pumps with permanent magnets and integrated electronic regulation with which the pumps can adapt to current needs of the system.

- D option, twin pump
- C option with communication module

APPLICATIONS

Used for circulation of water or a mixture of water/glycol in hot water heating systems, air conditioning systems and circulation systems.

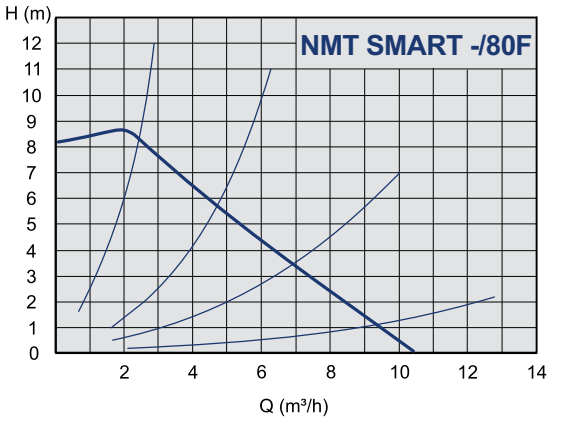
OPERATION

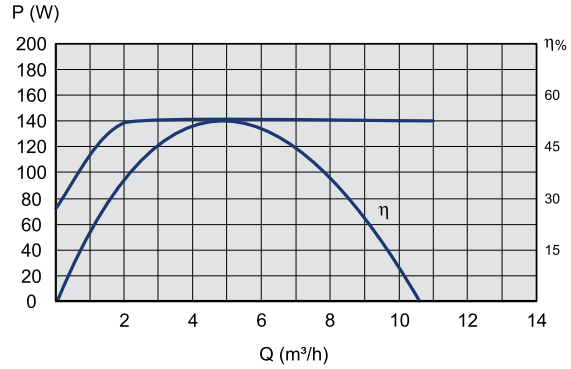
- Auto mode (default)
- Proportional pressure control
- Constant pressure control
- Constant speed
- Night mode

PRODUCT DETAILS

- High efficiency ECM technology
- Energy savings
- LED Display for control
- Easy handling and installation
- Plug & Play
- Robust and compact construction for long life
- Automatic venting
- Low noise operation
- Housing with cataphoresis
- NMTC communication module (option):
  - Ethernet connection
  - Modbus RTU connection
  - Analog Control input 0 - 10 V
  - 3 analog inputs/outputs
  - 1 relay output

Pump component	Material
Housing	Cast iron
Impeller	PES
Shaft	Stainless steel
Bearings	Graphite
Ventricular wall	Stainless steel
Rotor can	Stainless steel



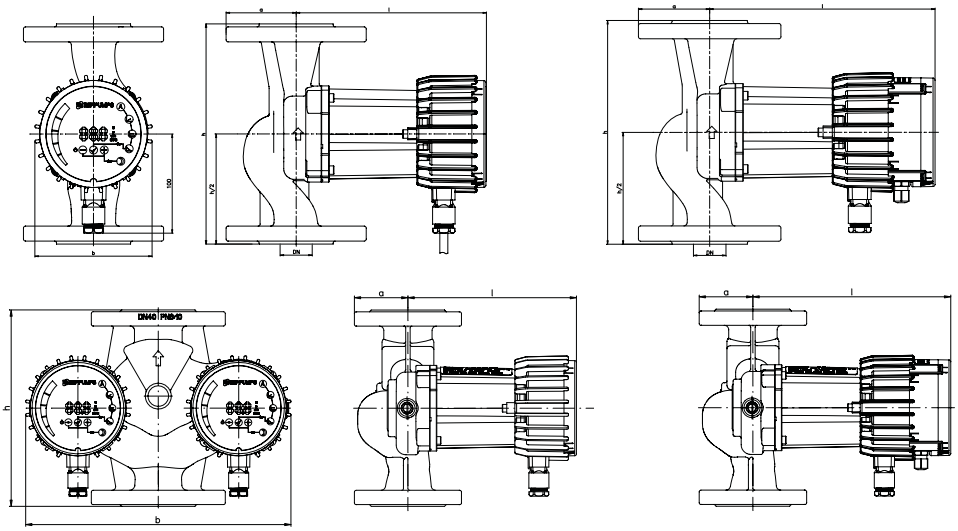


Pump type	DN	Fitting length	N. Pressure	Weight	Code
NMT SMART 32/80F	32	220 mm	PN 6/10 bar	6,4 kg	979523486
NMT SMART 40/80F	40	220 mm	PN 6/10 bar	7,6 kg	979523487
NMT SMART C 32/80F	32	220 mm	PN 6/10 bar	6,5 kg	979523497
NMT SMART C 40/80F	40	220 mm	PN 6/10 bar	7,8 kg	979523498
NMTD SMART 40/80F	40	220 mm	PN 6/10 bar	11,0 kg	979523552
NMTD SMART C 40/80F	40	220 mm	PN 6/10 bar	11,4 kg	979523560

NEW

NEW

Dimensions	h	DN	b	l	a
NMT SMART 32/80F	220	32	117	190	70
NMT SMART 40/80F	220	40	117	190	75
NMT SMART C 32/80F	220	32	117	222	70
NMT SMART C 40/80F	220	40	117	222	75
NMTD SMART 40/80F	220	40	297	190	56
NMTD SMART C 40/80F	220	40	297	222	56



TECHNICAL DATA

Flow Q up to 10 m³/h

Pressure H up to 8 m

Power 10 - 140 Watt

Nominal pressure PN 6/10 bar

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 from mineral oils and without solid particles

Permissible temperature range

- Medium temperature from +2 ºC to +110 ºC with max. surroundings temperature up to +40 ºC

Minimum inlet pressure

0,05 bar < 75 ºC Temperature of medium

0,28 bar < 90 ºC Temperature of medium

Electrical connection

Voltage 1 ~ 230 V, 50/60 Hz

Motor/Electronics

- Motor with permanent magnets
- The energy index EEI ≤ 0,21 - Part 2
- Built-in motor protection
- Degree of protection: IP 44
- Insulation class F

HIGH-EFFICIENCY REGULATED SMART FLANGED PUMP NMT SMART -/100F

DESCRIPTION

Series of high efficiency wet running ECM rotor circulation pumps with permanent magnets and integrated electronic regulation with which the pumps can adapt to current needs of the system.

- D option, twin pump
- C option with communication module

APPLICATIONS

Used for circulation of water or a mixture of water/glycol in hot water heating systems, air conditioning systems and circulation systems.

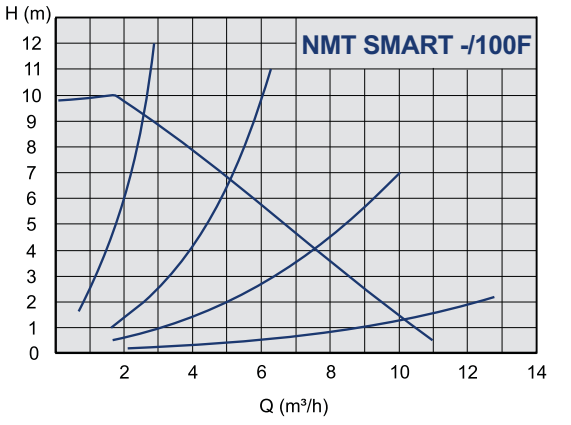
OPERATION

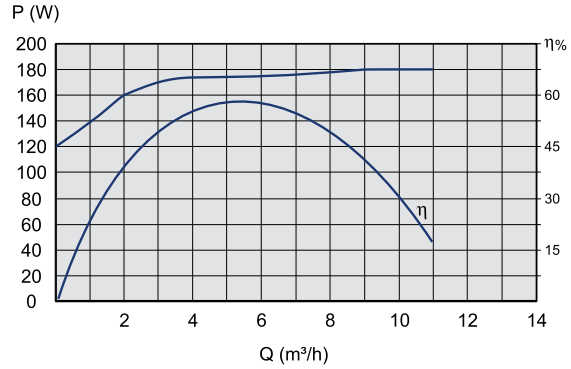
- Auto mode (default)
- Proportional pressure control
- Constant pressure control
- Constant speed
- Night mode

PRODUCT DETAILS

- High efficiency ECM technology
- Energy savings
- LED Display for control
- Easy handling and installation
- Plug & Play
- Robust and compact construction for long life
- Automatic venting
- Low noise operation
- Housing with cataphoresis
- NMTC communication module (option):
  - Ethernet connection
  - Modbus RTU connection
  - Analog Control input 0 - 10 V
  - 3 analog inputs/outputs
  - 1 relay output

Pump component	Material
Housing	Cast iron
Impeller	PES
Shaft	Stainless steel
Bearings	Graphite
Ventricular wall	Stainless steel
Rotor can	Stainless steel



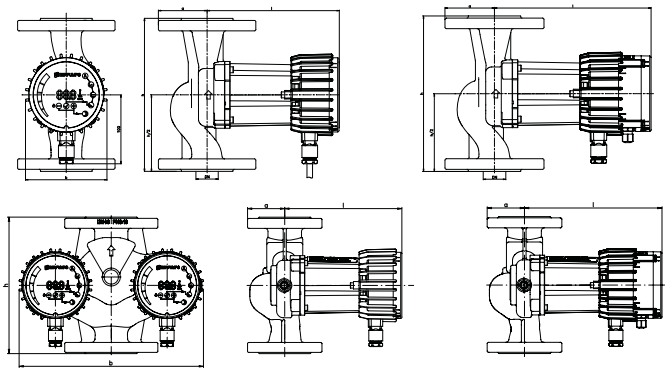


Pump type	DN	Fitting length	N. Pressure	Weight	Code
NMT SMART 32/100F	32	220 mm	PN 6/10 bar	6,4 kg	979523284
NMT SMART 40/100F	40	220 mm	PN 6/10 bar	7,6 kg	979523285
NMT SMART 50/100F	50	240 mm	PN 6/10 bar	8,8 kg	979523286
NMT SMART C 32/100F	32	220 mm	PN 6/10 bar	6,5 kg	979523368
NMT SMART C 40/100F	40	220 mm	PN 6/10 bar	7,8 kg	979523369
NMT SMART C 50/100F	50	240 mm	PN 6/10 bar	8,9 kg	979523370
NMTD SMART 40/100F	40	220 mm	PN 6/10 bar	11,0 kg	979523553
NMTD SMART C 40/100F	40	220 mm	PN 6/10 bar	11,4 kg	979523561

NEW

NEW

Dimensions	h	DN	b	l	a
NMT SMART 32/100F	220	32	117	190	70
NMT SMART 40/100F	220	40	117	190	75
NMT SMART 50/100F	240	50	117	190	82,5
NMT SMART C 32/100F	220	32	117	222	70
NMT SMART C 40/100F	220	40	117	222	75
NMT SMART C 50/100F	240	50	117	222	82,5
NMTD SMART 40/100F	220	40	297	190	56
NMTD SMART C 40/100F	220	40	297	222	56



TECHNICAL DATA

Flow Q up to 11 m³/h

Pressure H up to 10 m

Power 10 - 180 Watt

Nominal pressure PN 6/10 bar

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 from mineral oils and without solid particles

Permissible temperature range

- Medium temperature from +2 ºC to +110 ºC with max. surroundings temperature up to +40 ºC

Minimum inlet pressure

0,05 bar < 75 ºC Temperature of medium

0,28 bar < 90 ºC Temperature of medium

Electrical connection

Voltage 1 ~ 230 V, 50/60 Hz

Motor/Electronics

- Motor with permanent magnets
- The energy index EEI ≤ 0,21 - Part 2
- Built-in motor protection
- Degree of protection: IP 44
- Insulation class F

NEW

HIGH-EFFICIENCY REGULATED FLANGED PUMP NMT MAX -/120F

MAX

DESCRIPTION

Series of high efficiency wet running ECM rotor circulation pumps with permanent magnets and integrated electronic regulation with which the pumps can adapt to current needs of the system.

- D option, twin pump
- C option with communication module

APPLICATIONS

Used for circulation of water or a mixture of water/glycol in hot water heating systems, air conditioning systems and circulation systems.

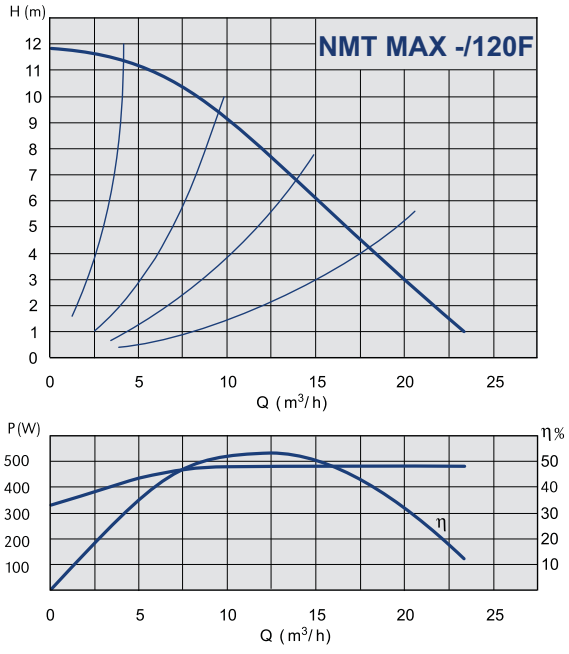
OPERATION

- Auto mode (default)
- Proportional pressure control
- Constant pressure control
- Constant speed
- Night mode

PRODUCT DETAILS

- High efficiency ECM technology
- Energy savings
- LED Display for control
- Easy handling and installation
- Plug & Play
- Robust and compact construction for long life
- Automatic venting
- Low noise operation
- Housing with cataphoresis
- NMTC communication module (option):
  - Ethernet connection
  - Modbus RTU connection
  - Analog Control input 0 - 10 V
  - 3 analog inputs/outputs
  - 1 relay output

Pump component	Material
Housing	Cast iron
Impeller	PES
Shaft	Stainless steel
Bearings	Graphite
Ventricular wall	Stainless steel
Rotor can	Stainless steel

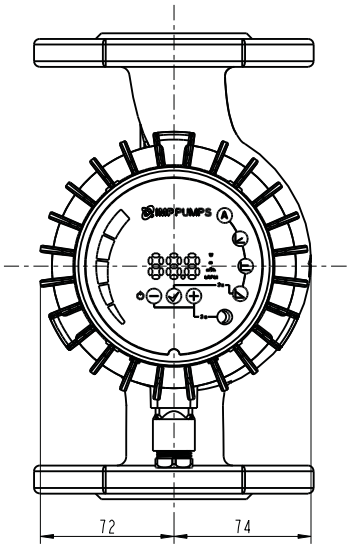


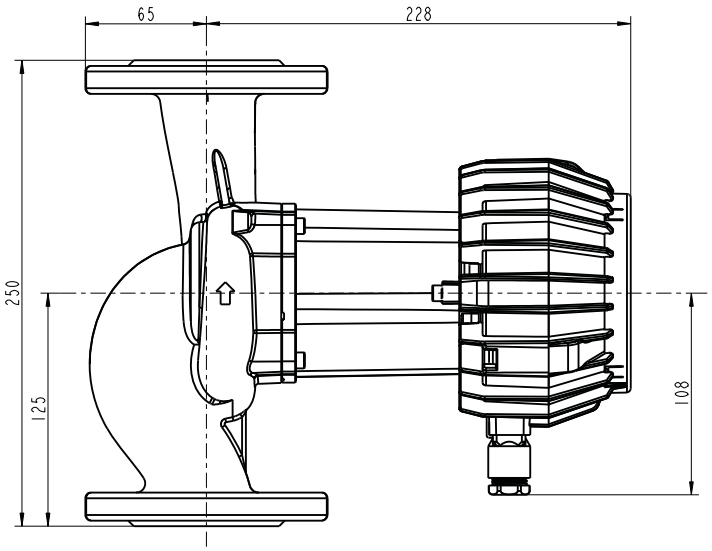
Pump type	DN	Fitting length	N. Pressure	Weight	Code
NMT MAX 40/120F	40	250 mm	PN 6/10 bar	9,0 kg	979523502
NMT MAX C 40/120F	40	250 mm	PN 6/10 bar	9,4 kg	979523503

NEW

NEW

Dimensions	h	DN	b	l	a
NMT MAX 40/120F	250	40	146	282	65
NMT MAX C 40/120F	250	40	146	260	65





TECHNICAL DATA

Flow Q up to 23 m³/h

Pressure H up to 12 m

Power 25 - 480 Watt

Nominal pressure PN 6/10 bar

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 from mineral oils and without solid particles

Permissible temperature range

- Medium temperature from +2 ºC to +110 ºC with max. surroundings temperature up to +40 ºC

Minimum inlet pressure

0,05 bar < 75 ºC Temperature of medium

0,28 bar < 90 ºC Temperature of medium

Electrical connection

Voltage 1 ~ 230 V, 50/60 Hz

Motor/Electronics

- Motor with permanent magnets
- The energy index EEI ≤ 0,21 - Part 2
- Built-in motor protection
- Degree of protection: IP 44
- Insulation class F

HIGH-EFFICIENCY REGULATED FLANGED PUMP NMT LAN 40/180F

LAN

DESCRIPTION

Series of high efficiency wet running ECM rotor circulation pumps with permanent magnets and integrated electronic regulation with which the pumps can adapt to current needs of the system.

- D option, twin pump
- C option with communication

APPLICATIONS

Used for circulation of water or a mixture of water/glycol in hot water heating systems, air conditioning systems and circulation systems.

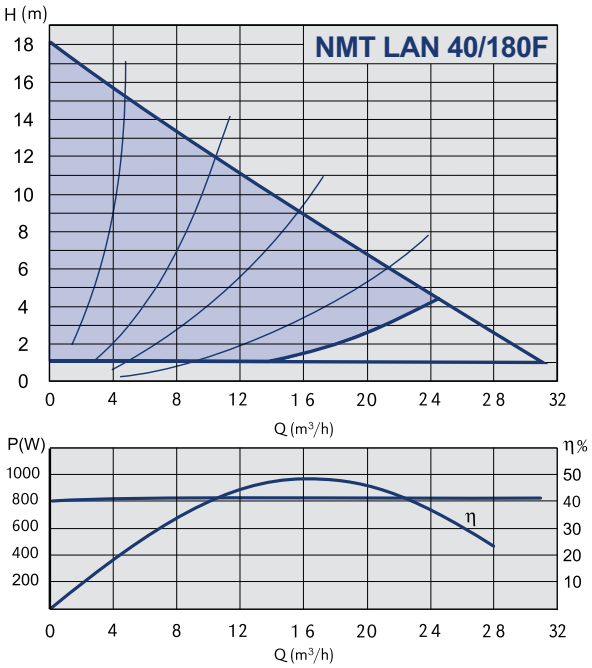
OPERATION

- Auto mode (default)
- Proportional pressure control
- Constant pressure control
- Constant speed
- Night mode (NMT LAN C)

PRODUCT DETAILS

- High efficiency ECM technology
- LED Display for control
- Easy operation and simple installation
- Housing with cataphoresis
- Communication
  - Ethernet connection
  - 1 relay output
  - 2 digital inputs (NMT LAN)
  - 3 analog inputs/outputs (NMT LAN C)
  - Modbus RTU connection (NMT LAN C)
  - Analog control input 0-10V (NMT LAN C)

Pump component	Material
Housing	Cast iron
Impeller	Stainless steal
Shaft	Stainless steal
Bearings	Graphite
Separating bush	Stainless steal
Rotor can	Stainless steal

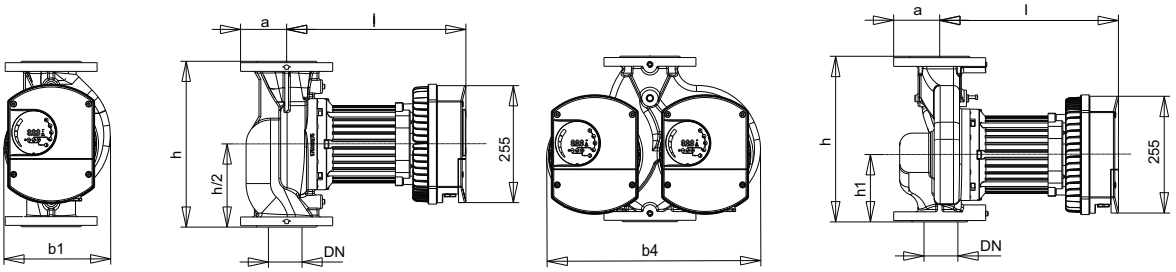


Pump type	DN	Fitting length	N. Pressure	Weight	Code
NMT LAN 40/180F	40	250 mm	PN 6/10 bar	29 kg	979523651
NMT LAN C 40/180F	40	250 mm	PN 6/10 bar	29 kg	979523714
NMTD LAN 40/180F	40	250 mm	PN 6/10 bar	56 kg	979523658
NMTD LAN C 40/180F	40	250 mm	PN 6/10 bar	56 kg	979523721

NEW

NEW

Dimensions	h	DN	b1	b4	l	a
NMT LAN 40/180F	250	40	198		355	65
NMT LAN C 40/180F	250	40	198		355	65
NMTD LAN 40/180F	250	40		403	355	65
NMTD LAN C 40/180F	250	40		403	355	65



TECHNICAL DATA

Flow Q up to 31 m³/h

Pressure H up to 18 m

Power 20 - 800 Watt

Nominal pressure PN 6/10 bar

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 from mineral oils and without solid particles

Permissible temperature range

- Medium temperature from -10 ºC to +110 ºC with max. surroundings temperature up to +40 ºC

Minimum inlet pressure

0,5 bar < 50 ºC Temperature of medium

0,8 bar < 80 ºC Temperature of medium

1,4 bar < 110 ºC Temperature of medium

Electrical connection

Voltage 1 ~ 230 V, 50/60 Hz

Motor/Electronics

- Motor with permanent magnets
- The energy index EEI ≤ 0,27 - Part 2
- Built-in motor protection
- Methods of control:
  - Current control (limit current)
  - Power control (limit power) (NMT LAN)
  - Constant pressure control (Δp-c)
  - Dp prop (Δp-v)
  - Option settings QH curve at fixed speeds
  - Constant speed
- Degree of protection: IP 44
- Insulation class H

HIGH-EFFICIENCY REGULATED FLANGED PUMP NMT LAN 50F

LAN

DESCRIPTION

Series of high efficiency wet running ECM rotor circulation pumps with permanent magnets and integrated electronic regulation with which the pumps can adapt to current needs of the system.

- SAN option for use in domestic hot water circulating systems
- D option, twin pump
- C option with communication

APPLICATIONS

Used for circulation of water or a mixture of water/glycol in hot water heating systems, air conditioning systems and circulation systems.

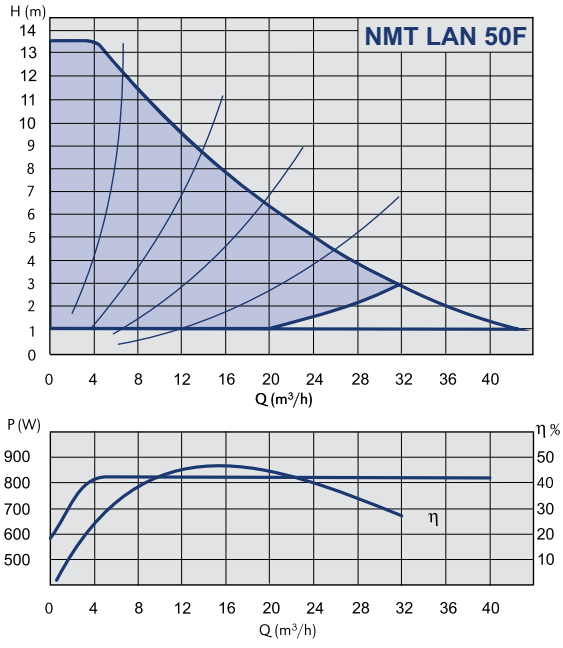
OPERATION

- Auto mode (default)
- Proportional pressure control
- Constant pressure control
- Constant speed
- Night mode (NMT LAN C)

PRODUCT DETAILS

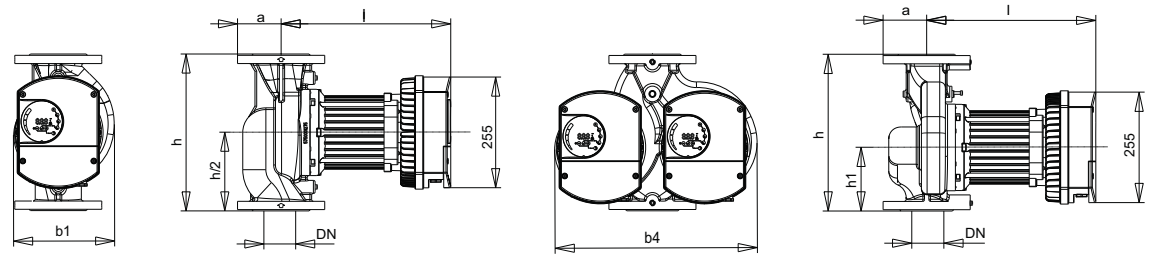
- High efficiency ECM technology
- LED Display for control
- Easy operation and simple installation
- Housing with cataphoresis (NMT SAN LAN: bronze)
- Communication
  - Ethernet connection
  - 1 relay output
  - 2 digital inputs (NMT LAN)
  - 3 analog inputs/outputs (NMT LAN C)
  - Modbus RTU connection (NMT LAN C)
  - Analog control input 0-10V (NMT LAN C)

Pump component	Material
Housing	Cast iron
Impeller	Stainless steal
Shaft	Stainless steal
Bearings	Graphite
Separating bush	Stainless steal
Rotor can	Stainless steal



Pump type	DN	Fitting length	N. Pressure	Weight	Code	
NMT LAN 50F	50	280 mm	PN 6/10 bar	30 kg	979523461	
NMT LAN C 50F	50	280 mm	PN 6/10 bar	30 kg	979523613	NEW
NMTD LAN 50F	50	280 mm	PN 6/10 bar	58 kg	979523468	
NMTD LAN C 50F	50	280 mm	PN 6/10 bar	58 kg	979523626	NEW
NMT SAN LAN 50F	50	280 mm	PN 6/10 bar	33 kg	979523607	
NMT SAN LAN C 50F	50	280 mm	PN 6/10 bar	33 kg	979523610	NEW

Dimensions	h	DN	b1	b4	l	a
NMT LAN 50F	280	50	200		355	70
NMT LAN C 50F	280	50	200		355	70
NMTD LAN 50F	280	50		403	355	70
NMTD LAN C 50F	280	50		403	355	70
NMT SAN LAN 50F	280	50	200		355	70
NMT SAN LAN C 50F	280	50	200		355	70



TECHNICAL DATA

Flow Q up to 39 m³/h

Pressure H up to 13 m

Power 26 - 800 Watt

Nominal pressure PN 6/10 bar

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 from mineral oils and without solid particles

Permissible temperature range

- Medium temperature from -10 ºC to +110 ºC (NMT SAN LAN +5 ºC to +65 ºC) with max. surroundings temperature up to +40 ºC

Minimum inlet pressure

0,5 bar < 50 ºC Temperature of medium

0,8 bar < 80 ºC Temperature of medium

1,4 bar < 110 ºC Temperature of medium

Electrical connection

Voltage 1 ~ 230 V, 50/60 Hz

Motor/Electronics

- Motor with permanent magnets
- The energy index EEI ≤ 0,26 - Part 2
- Built-in motor protection
- Methods of control:
  - Current control (limit current)
  - Power control (limit power) (NMT LAN)
  - Constant pressure control (Δp-c)
  - Dp prop (Δp-v)
  - Option settings QH curve at fixed speeds
  - Constant speed
- Degree of protection: IP 44
- Insulation class H

HIGH-EFFICIENCY REGULATED FLANGED PUMP NMT LAN 50/180F

LAN

DESCRIPTION

Series of high efficiency wet running ECM rotor circulation pumps with permanent magnets and integrated electronic regulation with which the pumps can adapt to current needs of the system.

- D option, twin pump
- C option with communication

APPLICATIONS

Used for circulation of water or a mixture of water/glycol in hot water heating systems, air conditioning systems and circulation systems.

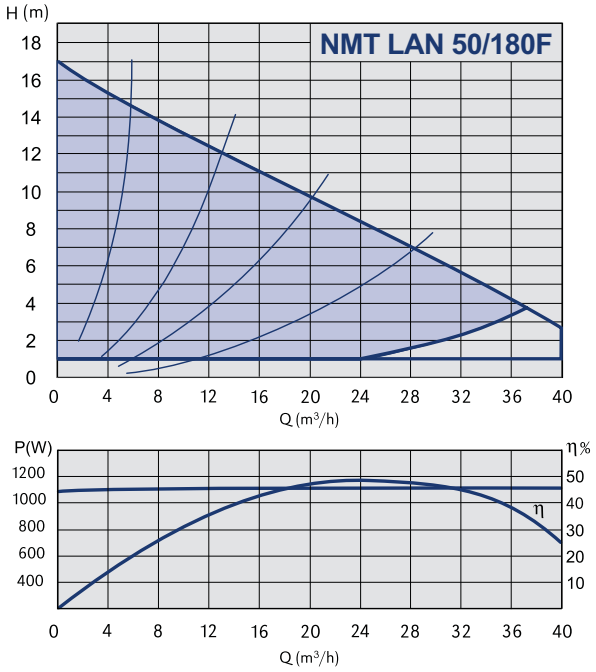
OPERATION

- Auto mode (default)
- Proportional pressure control
- Constant pressure control
- Constant speed
- Night mode (NMT LAN C)

PRODUCT DETAILS

- High efficiency ECM technology
- LED Display for control
- Easy operation and simple installation
- Housing with cataphoresis
- Communication
  - Ethernet connection
  - 1 relay output
  - 2 digital inputs (NMT LAN)
  - 3 analog inputs/outputs (NMT LAN C)
  - Modbus RTU connection (NMT LAN C)
  - Analog control input 0-10V (NMT LAN C)

Pump component	Material
Housing	Cast iron
Impeller	Stainless steal
Shaft	Stainless steal
Bearings	Graphite
Separating bush	Stainless steal
Rotor can	Stainless steal

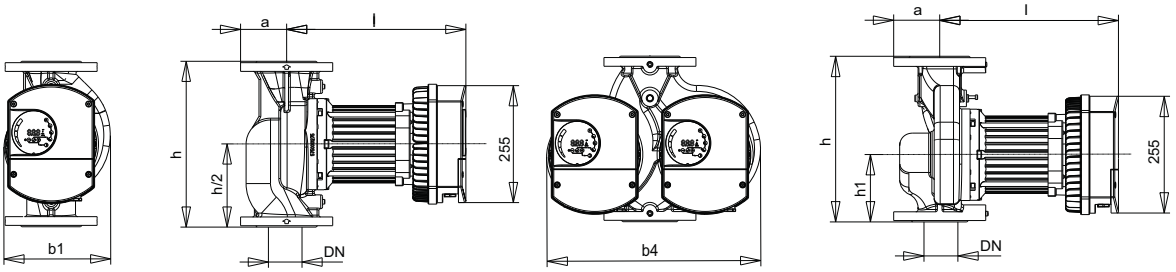


Pump type	DN	Fitting length	N. Pressure	Weight	Code
NMT LAN 50/180F	50	280 mm	PN 6/10 bar	30 kg	979523652
NMT LAN C 50/180F	50	280 mm	PN 6/10 bar	30 kg	979523715
NMTD LAN 50/180F	50	280 mm	PN 6/10 bar	59 kg	979523659
NMTD LAN C 50/180F	50	280 mm	PN 6/10 bar	59 kg	979523722

NEW

NEW

Dimensions	h	DN	b1	b4	l	a
NMT LAN 50/180F	280	50	200		355	70
NMT LAN C 50/180F	280	50	200		355	70
NMTD LAN 50/180F	280	50		403	355	70
NMTD LAN C 50/180F	280	50		403	355	70



TECHNICAL DATA

Flow Q up to 45 m³/h

Pressure H up to 17 m

Power 20 - 1000 Watt

Nominal pressure PN 6/10 bar

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 from mineral oils and without solid particles

Permissible temperature range

- Medium temperature from -10 ºC to +110 ºC with max. surroundings temperature up to +40 ºC

Minimum inlet pressure

0,5 bar < 50 ºC Temperature of medium

0,8 bar < 80 ºC Temperature of medium

1,4 bar < 110 ºC Temperature of medium

Electrical connection

Voltage 1 ~ 230 V, 50/60 Hz

Motor/Electronics

- Motor with permanent magnets
- The energy index EEI ≤ 0,26 - Part 2
- Built-in motor protection
- Methods of control:
  - Current control (limit current)
  - Power control (limit power) (NMT LAN)
  - Constant pressure control (Δp-c)
  - Dp prop (Δp-v)
  - Option settings QH curve at fixed speeds
  - Constant speed
- Degree of protection: IP 44
- Insulation class H

HIGH-EFFICIENCY REGULATED FLANGED PUMP NMT LAN 65F

LAN

DESCRIPTION

Series of high efficiency wet running ECM rotor circulation pumps with permanent magnets and integrated electronic regulation with which the pumps can adapt to current needs of the system.

- SAN option for use in domestic hot water circulating systems
- D option, twin pump
- C option with communication

APPLICATIONS

Used for circulation of water or a mixture of water/glycol in hot water heating systems, air conditioning systems and circulation systems.

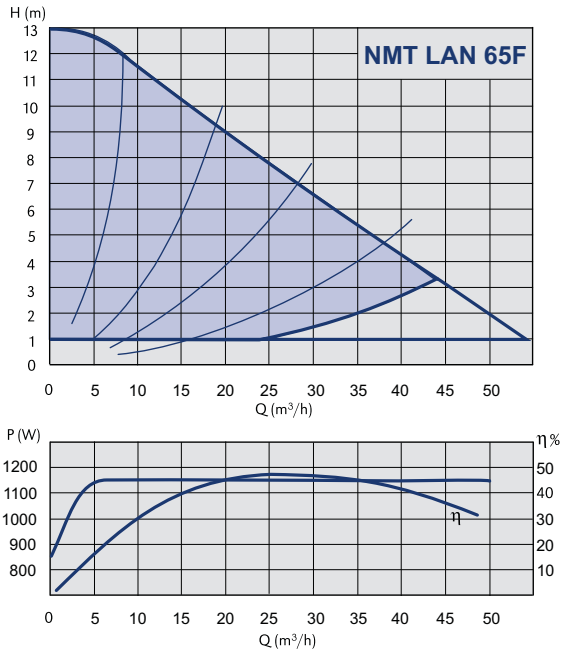
OPERATION

- Auto mode (default)
- Proportional pressure control
- Constant pressure control
- Constant speed
- Night mode (NMT LAN C)

PRODUCT DETAILS

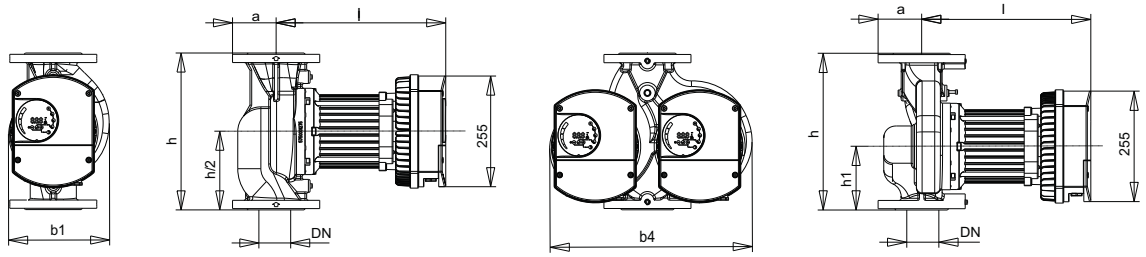
- High efficiency ECM technology
- LED Display for control
- Easy operation and simple installation
- Housing with cataphoresis (NMT SAN LAN: bronze)
- Communication
  - Ethernet connection
  - 1 relay output
  - 2 digital inputs (NMT LAN)
  - 3 analog inputs/outputs (NMT LAN C)
  - Modbus RTU connection (NMT LAN C)
  - Analog control input 0-10V (NMT LAN C)

Pump component	Material
Housing	Cast iron
Impeller	Stainless steal
Shaft	Stainless steal
Bearings	Graphite
Separating bush	Stainless steal
Rotor can	Stainless steal



Pump type	DN	Fitting length	N. Pressure	Weight	Code	
NMT LAN 65F	65	340 mm	PN 6/10 bar	34 kg	979523462	
NMT LAN C 65F	65	340 mm	PN 6/10 bar	34 kg	979523614	NEW
NMTD LAN 65F	65	340 mm	PN 6/10 bar	64 kg	979523469	
NMTD LAN C 65F	65	340 mm	PN 6/10 bar	64 kg	979523627	NEW
NMT SAN LAN 65F	65	340 mm	PN 6/10 bar	39 kg	979523608	
NMT SAN LAN C 65F	65	340 mm	PN 6/10 bar	39 kg	979523611	NEW

Dimensions	h	DN	b1	b4	l	a
NMT LAN 65F	340	65	222		369	80
NMT LAN C 65F	340	65	222		369	80
NMTD LAN 65F	340	65		452	369	80
NMTD LAN C 65F	340	65		452	369	80
NMT SAN LAN 65F	340	65	222		369	80
NMT SAN LAN C 65F	340	65	222		369	80



TECHNICAL DATA

Flow Q up to 65 m³/h

Pressure H up to 13 m

Power 38 - 1100 Watt

Nominal pressure PN 6/10 bar

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 from mineral oils and without solid particles

Permissible temperature range

- Medium temperature from -10 ºC to +110 ºC (NMT SAN LAN +5 ºC to +65 ºC) with max. surroundings temperature up to +40 ºC

Minimum inlet pressure

0,5 bar < 50 ºC Temperature of medium

0,8 bar < 80 ºC Temperature of medium

1,4 bar < 110 ºC Temperature of medium

Electrical connection

Voltage 1 ~ 230 V, 50/60 Hz

Motor/Electronics

- Motor with permanent magnets
- The energy index EEI ≤ 0,25 - Part 2
- Built-in motor protection
- Methods of control:
  - Current control (limit current)
  - Power control (limit power) (NMT LAN)
  - Constant pressure control (Δp-c)
  - Dp prop (Δp-v)
  - Option settings QH curve at fixed speeds
  - Constant speed
- Degree of protection: IP 44
- Insulation class H

HIGH-EFFICIENCY REGULATED FLANGED PUMP NMT LAN 65/180F

LAN

DESCRIPTION

Series of high efficiency wet running ECM rotor circulation pumps with permanent magnets and integrated electronic regulation with which the pumps can adapt to current needs of the system.

- D option, twin pump
- C option with communication

APPLICATIONS

Used for circulation of water or a mixture of water/glycol in hot water heating systems, air conditioning systems and circulation systems.

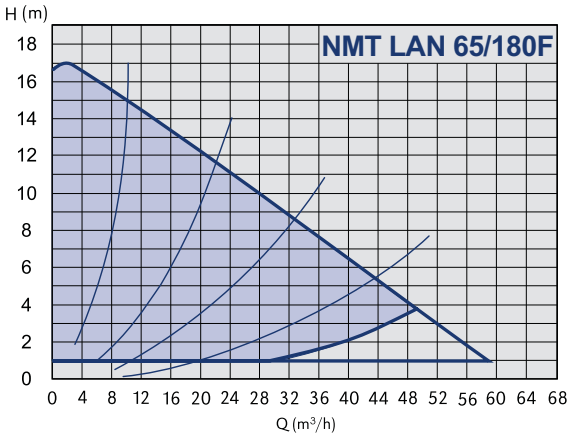
OPERATION

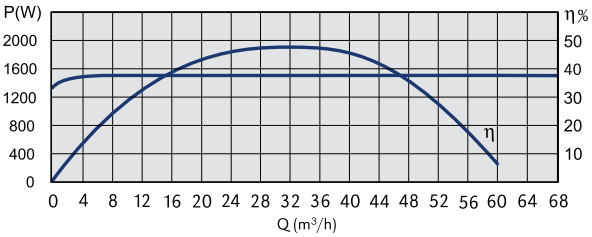
- Auto mode (default)
- Proportional pressure control
- Constant pressure control
- Constant speed
- Night mode (NMT LAN C)

PRODUCT DETAILS

- High efficiency ECM technology
- LED Display for control
- Easy operation and simple installation
- Housing with cataphoresis
- Communication
  - Ethernet connection
  - 1 relay output
  - 2 digital inputs (NMT LAN)
  - 3 analog inputs/outputs (NMT LAN C)
  - Modbus RTU connection (NMT LAN C)
  - Analog control input 0-10V (NMT LAN C)

Pump component	Material
Housing	Cast iron
Impeller	Stainless steal
Shaft	Stainless steal
Bearings	Graphite
Separating bush	Stainless steal
Rotor can	Stainless steal



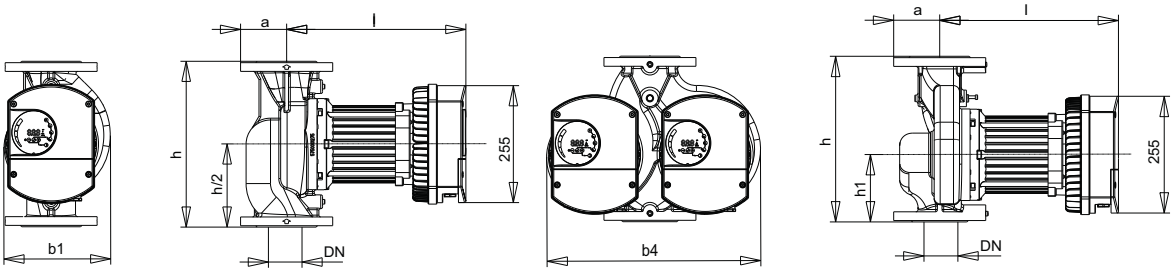


Pump type	DN	Fitting length	N. Pressure	Weight	Code
NMT LAN 65/180F	65	340 mm	PN 6/10 bar	39 kg	979523653
NMT LAN C 65/180F	65	340 mm	PN 6/10 bar	39 kg	979523716
NMTD LAN 65/180F	65	340 mm	PN 6/10 bar	73 kg	979523660
NMTD LAN C 65/180F	65	340 mm	PN 6/10 bar	73 kg	979523723

NEW

NEW

Dimensions	h	DN	b1	b4	l	a
NMT LAN 65/180F	340	65	222		403	80
NMT LAN C 65/180F	340	65	222		403	80
NMTD LAN 65/180F	340	65		452	403	80
NMTD LAN C 65/180F	340	65		452	403	80



TECHNICAL DATA

Flow Q up to 58 m³/h

Pressure H up to 17 m

Power 20 - 1500 Watt

Nominal pressure PN 6/10 bar

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 from mineral oils and without solid particles

Permissible temperature range

- Medium temperature from -10 ºC to +110 ºC with max. surroundings temperature up to +40 ºC

Minimum inlet pressure

0,5 bar < 50 ºC Temperature of medium

0,8 bar < 80 ºC Temperature of medium

1,4 bar < 110 ºC Temperature of medium

Electrical connection

Voltage 1 ~ 230 V, 50/60 Hz

Motor/Electronics

- Motor with permanent magnets
- The energy index EEI ≤ 0,25 - Part 2
- Built-in motor protection
- Methods of control:
  - Current control (limit current)
  - Power control (limit power) (NMT LAN)
  - Constant pressure control (Δp-c)
  - Dp prop (Δp-v)
  - Option settings QH curve at fixed speeds
  - Constant speed
- Degree of protection: IP 44
- Insulation class H

HIGH-EFFICIENCY REGULATED FLANGED PUMP NMT LAN 80F

LAN

DESCRIPTION

Series of high efficiency wet running ECM rotor circulation pumps with permanent magnets and integrated electronic regulation with which the pumps can adapt to current needs of the system.

- D option, twin pump
- C option with communication

APPLICATIONS

Used for circulation of water or a mixture of water/glycol in hot water heating systems, air conditioning systems and circulation systems.

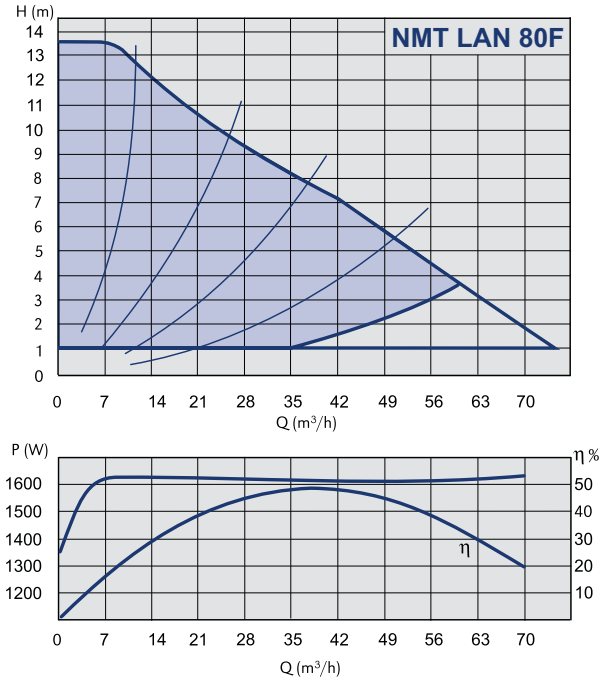
OPERATION

- Auto mode (default)
- Proportional pressure control
- Constant pressure control
- Constant speed
- Night mode (NMT LAN C)

PRODUCT DETAILS

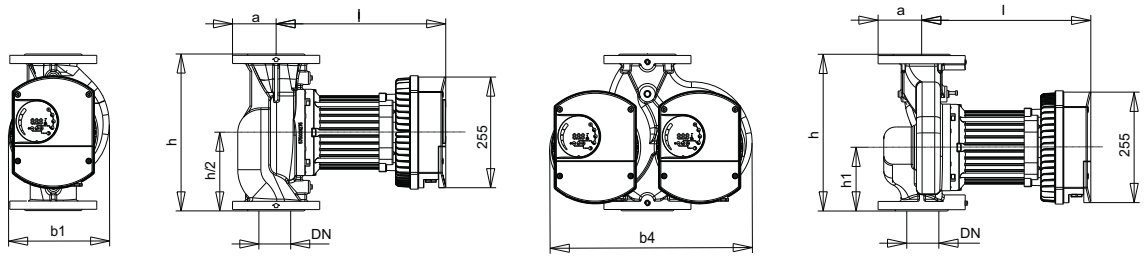
- High efficiency ECM technology
- LED Display for control
- Easy operation and simple installation
- Housing with cataphoresis
- Communication
  - Ethernet connection
  - 1 relay output
  - 2 digital inputs (NMT LAN)
  - 3 analog inputs/outputs (NMT LAN C)
  - Modbus RTU connection (NMT LAN C)
  - Analog control input 0-10V (NMT LAN C)

Pump component	Material
Housing	Cast iron
Impeller	Stainless steal
Shaft	Stainless steal
Bearings	Graphite
Separating bush	Stainless steal
Rotor can	Stainless steal



Pump type	DN	Fitting length	N. Pressure	Weight	Code	
NMT LAN 80F	80	360 mm	PN 6 bar	41 kg	979523463	
NMT LAN C 80F	80	360 mm	PN 6 bar	41 kg	979523615	NEW
NMT LAN 80F	80	360 mm	PN 10 bar	41 kg	979523464	
NMT LAN C 80F	80	360 mm	PN 10 bar	41 kg	979523616	NEW
NMTD LAN 80F	80	360 mm	PN 6 bar	78 kg	979523470	
NMTD LAN C 80F	80	360 mm	PN 6 bar	78 kg	979523628	NEW
NMTD LAN 80F	80	360 mm	PN 10 bar	78 kg	979523471	
NMTD LAN C 80F	80	360 mm	PN 10 bar	78 kg	979523629	NEW

Dimensions	h	DN	b1	b4	l	a
NMT LAN 80F	360	80	230		403	100
NMT LAN C 80F	360	80	230		403	100
NMTD LAN 80F	360	80		462	403	100
NMTD LAN C 80F	360	80		462	403	100



TECHNICAL DATA

Flow Q up to 78 m³/h

Pressure H up to 13 m

Power 45 - 1600 Watt

Nominal pressure PN 6 or PN 10 bar

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 from mineral oils and without solid particles

Permissible temperature range

- Medium temperature from -10 ºC to +110 ºC with max. surroundings temperature up to +40 ºC

Minimum inlet pressure

0,5 bar < 50 ºC Temperature of medium

0,8 bar < 80 ºC Temperature of medium

1,4 bar < 110 ºC Temperature of medium

Electrical connection

Voltage 1 ~ 230 V, 50/60 Hz

Motor/Electronics

- Motor with permanent magnets
- The energy index EEI ≤ 0,23 - Part 2
- Built-in motor protection
- Methods of control:
  - Current control (limit current)
  - Power control (limit power) (NMT LAN)
  - Constant pressure control (Δp-c)
  - Dp prop (Δp-v)
  - Option settings QH curve at fixed speeds
  - Constant speed
- Degree of protection: IP 44
- Insulation class H

HIGH-EFFICIENCY REGULATED FLANGED PUMP NMT LAN 80/180F

LAN

DESCRIPTION

Series of high efficiency wet running ECM rotor circulation pumps with permanent magnets and integrated electronic regulation with which the pumps can adapt to current needs of the system.

- D option, twin pump
- C option with communication

APPLICATIONS

Used for circulation of water or a mixture of water/glycol in hot water heating systems, air conditioning systems and circulation systems.

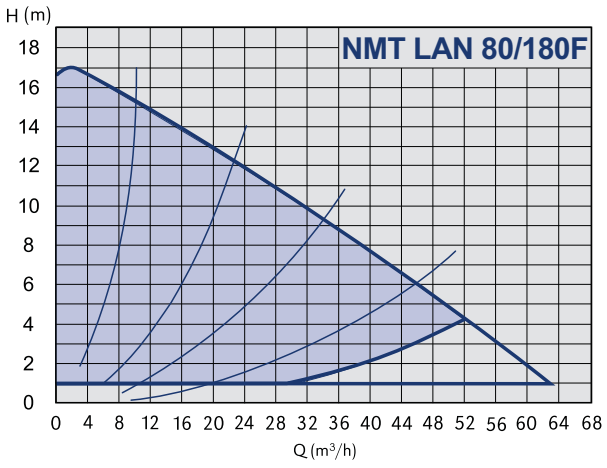
OPERATION

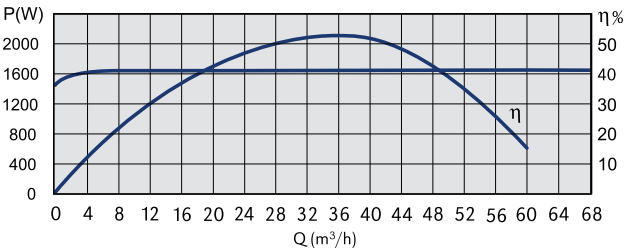
- Auto mode (default)
- Proportional pressure control
- Constant pressure control
- Constant speed
- Night mode (NMT LAN C)

PRODUCT DETAILS

- High efficiency ECM technology
- LED Display for control
- Easy operation and simple installation
- Housing with cataphoresis
- Communication
  - Ethernet connection
  - 1 relay output
  - 2 digital inputs (NMT LAN)
  - 3 analog inputs/outputs (NMT LAN C)
  - Modbus RTU connection (NMT LAN C)
  - Analog control input 0-10V (NMT LAN C)

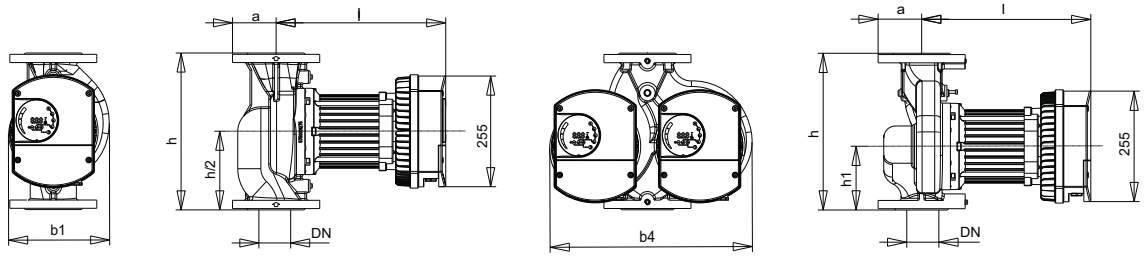
Pump component	Material
Housing	Cast iron
Impeller	Stainless steal
Shaft	Stainless steal
Bearings	Graphite
Separating bush	Stainless steal
Rotor can	Stainless steal





Pump type	DN	Fitting length	N. Pressure	Weight	Code	
NMT LAN 80/180F	80	360 mm	PN 6 bar	41 kg	979523654	
NMT LAN C 80/180F	80	360 mm	PN 6 bar	41 kg	979523717	NEW
NMT LAN 80/180F	80	360 mm	PN 10 bar	41 kg	979523655	
NMT LAN C 80/180F	80	360 mm	PN 10 bar	41 kg	979523718	NEW
NMTD LAN 80/180F	80	360 mm	PN 6 bar	76 kg	979523661	
NMTD LAN C 80/180F	80	360 mm	PN 6 bar	76 kg	979523724	NEW
NMTD LAN 80/180F	80	360 mm	PN 10 bar	76 kg	979523662	
NMTD LAN C 80/180F	80	360 mm	PN 10 bar	76 kg	979523725	NEW

Dimensions	h	DN	b1	b4	l	a
NMT LAN 80/180F	360	80	230		403	100
NMT LAN C 80/180F	360	80	230		403	100
NMTD LAN 80/180F	360	80		452	403	100
NMTD LAN C 80/180F	360	80		452	403	100



TECHNICAL DATA

Flow Q up to 63 m³/h

Pressure H up to 17 m

Power 20 - 1600 Watt

Nominal pressure PN 6 or PN 10 bar

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 from mineral oils and without solid particles

Permissible temperature range

- Medium temperature from -10 ºC to +110 ºC with max. surroundings temperature up to +40 ºC

Minimum inlet pressure

0,5 bar < 50 ºC Temperature of medium

0,8 bar < 80 ºC Temperature of medium

1,4 bar < 110 ºC Temperature of medium

Electrical connection

Voltage 1 ~ 230 V, 50/60 Hz

Motor/Electronics

- Motor with permanent magnets
- The energy index EEI ≤ 0,24 - Part 2
- Built-in motor protection
- Methods of control:
  - Current control (limit current)
  - Power control (limit power) (NMT LAN)
  - Constant pressure control (Δp-c)
  - Dp prop (Δp-v)
  - Option settings QH curve at fixed speeds
  - Constant speed
- Degree of protection: IP 44
- Insulation class H

HIGH-EFFICIENCY REGULATED FLANGED PUMP NMT LAN 100F

LAN

DESCRIPTION

Series of high efficiency wet running ECM rotor circulation pumps with permanent magnets and integrated electronic regulation with which the pumps can adapt to current needs of the system.

- C option with communication

APPLICATIONS

Used for circulation of water or a mixture of water/glycol in hot water heating systems, air conditioning systems and circulation systems.

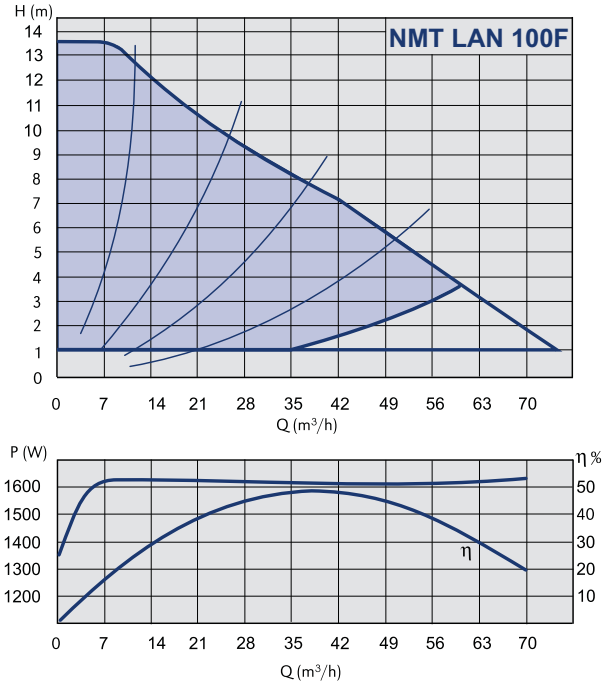
OPERATION

- Auto mode (default)
- Proportional pressure control
- Constant pressure control
- Constant speed
- Night mode (NMT LAN C)

PRODUCT DETAILS

- High efficiency ECM technology
- LED Display for control
- Easy operation and simple installation
- Housing with cataphoresis
- Communication
  - Ethernet connection
  - 1 relay output
  - 2 digital inputs (NMT LAN)
  - 3 analog inputs/outputs (NMT LAN C)
  - Modbus RTU connection (NMT LAN C)
  - Analog control input 0-10V (NMT LAN C)

Pump component	Material
Housing	Cast iron
Impeller	Stainless steal
Shaft	Stainless steal
Bearings	Graphite
Separating bush	Stainless steal
Rotor can	Stainless steal

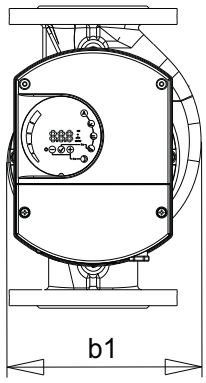


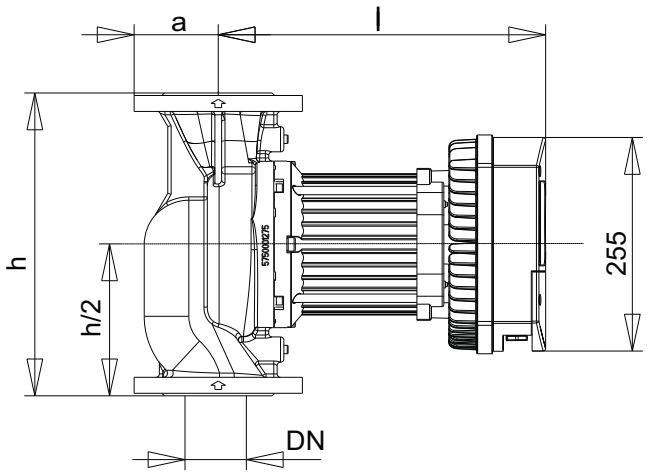
Pump type	DN	Fitting length	N. Pressure	Weight	Code
NMT LAN 100F	100	360 mm	PN 6 bar	43 kg	979523465
NMT LAN C 100F	100	360 mm	PN 6 bar	43 kg	979523617
NMT LAN 100F	100	360 mm	PN 10 bar	43 kg	979523466
NMT LAN C 100F	100	360 mm	PN 10 bar	43 kg	979523618

NEW

NEW

Dimensions	h	DN	b1	b4	l	a
NMT LAN 100F	360	100	230		403	110
NMT LAN C 100F	360	100	230		403	110





TECHNICAL DATA

Flow Q up to 78 m³/h

Pressure H up to 13 m

Power 45 - 1600 Watt

Nominal pressure PN 6 or PN 10

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 from mineral oils and without solid particles

Permissible temperature range

- Medium temperature from -10 ºC to +110 ºC with max. surroundings temperature up to +40 ºC

Minimum inlet pressure

0,5 bar < 50 ºC Temperature of medium

0,8 bar < 80 ºC Temperature of medium

1,4 bar < 110 ºC Temperature of medium

Electrical connection

Voltage 1 ~ 230 V, 50/60 Hz

Motor/Electronics

- Motor with permanent magnets
- The energy index EEI ≤ 0,23 - Part 2
- Built-in motor protection
- Methods of control:
  - Current control (limit current)
  - Power control (limit power) (NMT LAN)
  - Constant pressure control (Δp-c)
  - Dp prop (Δp-v)
  - Option settings QH curve at fixed speeds
  - Constant speed
- Degree of protection: IP 44
- Insulation class H

HIGH-EFFICIENCY REGULATED FLANGED PUMP NMT LAN 100/180F

LAN

DESCRIPTION

Series of high efficiency wet running ECM rotor circulation pumps with permanent magnets and integrated electronic regulation with which the pumps can adapt to current needs of the system.

- C option with communication

APPLICATIONS

Used for circulation of water or a mixture of water/glycol in hot water heating systems, air conditioning systems and circulation systems.

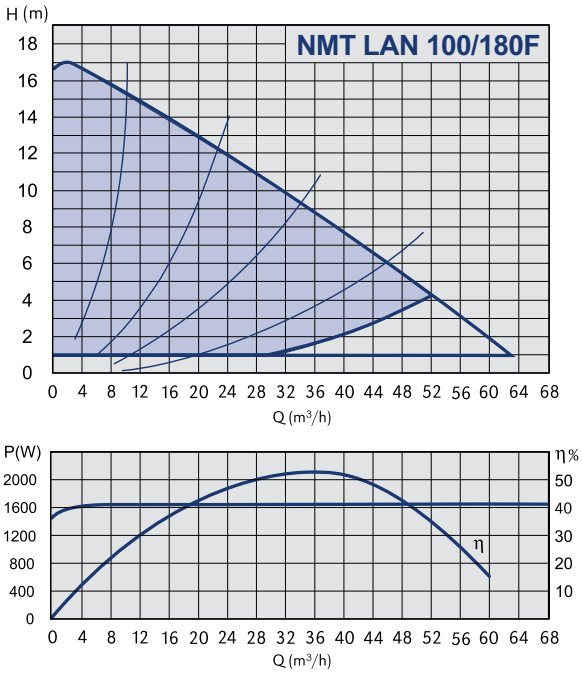
OPERATION

- Auto mode (default)
- Proportional pressure control
- Constant pressure control
- Constant speed
- Night mode (NMT LAN C)

PRODUCT DETAILS

- High efficiency ECM technology
- LED Display for control
- Easy operation and simple installation
- Housing with cataphoresis
- Communication
  - Ethernet connection
  - 1 relay output
  - 2 digital inputs (NMT LAN)
  - 3 analog inputs/outputs (NMT LAN C)
  - Modbus RTU connection (NMT LAN C)
  - Analog control input 0-10V (NMT LAN C)

Pump component	Material
Housing	Cast iron
Impeller	Stainless steal
Shaft	Stainless steal
Bearings	Graphite
Separating bush	Stainless steal
Rotor can	Stainless steal

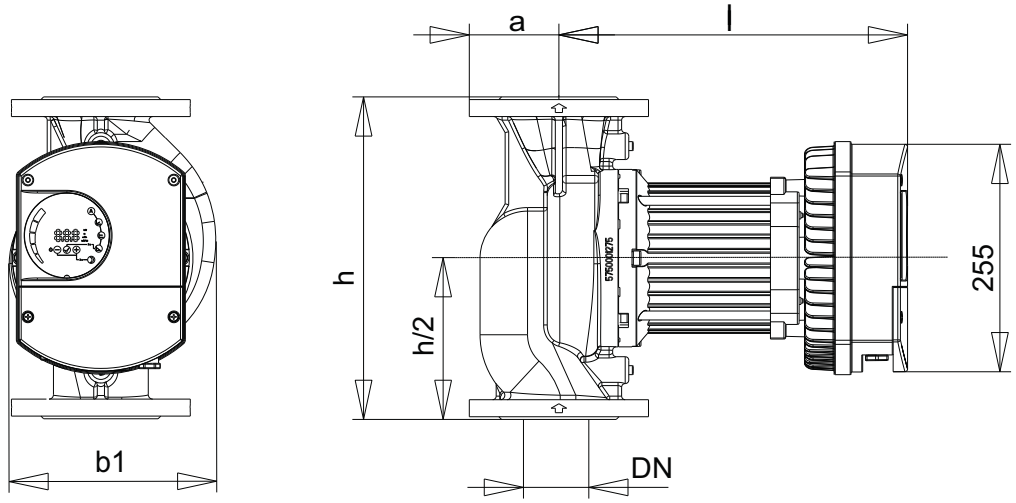


Pump type	DN	Fitting length	N. Pressure	Weight	Code
NMT LAN 100/180F	100	360 mm	PN 6 bar	45 kg	979523656
NMT LAN C 100/180F	100	360 mm	PN 6 bar	45 kg	979523719
NMT LAN 100/180F	100	360 mm	PN 10 bar	45 kg	979523657
NMT LAN C 100/180F	100	360 mm	PN 10 bar	45 kg	979523720

NEW

NEW

Dimensions	h	DN	b1	b4	l	a
NMT LAN 100/180F	360	100	230		403	110
NMT LAN C 100/180 F	360	100	230		403	110



TECHNICAL DATA

Flow Q up to 63 m³/h

Pressure H up to 16,5 m

Power 20 - 1600 Watt

Nominal pressure PN 6 or PN 10 bar

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 from mineral oils and without solid particles

Permissible temperature range

- Medium temperature from -10 ºC to +110 ºC with max. surroundings temperature up to +40 ºC

Minimum inlet pressure

0,5 bar < 50 ºC Temperature of medium

0,8 bar < 80 ºC Temperature of medium

1,4 bar < 110 ºC Temperature of medium

Electrical connection

Voltage 1 ~ 230 V, 50/60 Hz

Motor/Electronics

- Motor with permanent magnets
- The energy index EEI ≤ 0,25 - Part 2
- Built-in motor protection
- Methods of control:
  - Current control (limit current)
  - Power control (limit power) (NMT LAN)
  - Constant pressure control (Δp-c)
  - Dp prop (Δp-v)
  - Option settings QH curve at fixed speeds
  - Constant speed
- Degree of protection: IP 44
- Insulation class H

HIGH-EFFICIENCY REGULATED PUMPS FOR DOMESTIC HOT WATER

SAN ECO

DESCRIPTION

The high-efficiency, continuously, manually adjustable pump for domestic hot water, freely flowing ball axis permanent magnet motor and ECM technology.

APPLICATIONS

Domestic hot water circulating systems. ECO SAN pumps comply with the requirements for use in domestic hot water circulating systems and form a systemic protection against legionella.

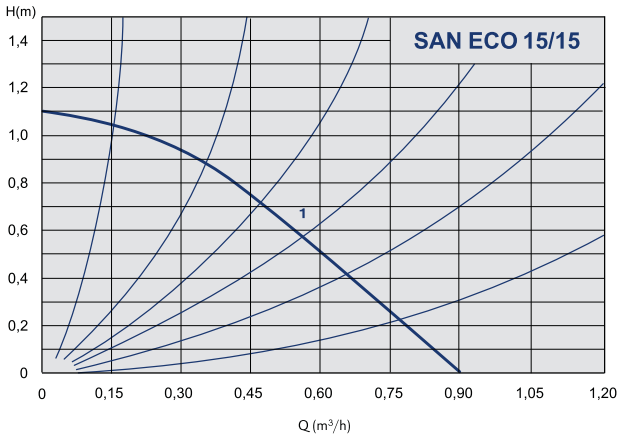
OPERATION

The pump automatically adjust the pressure, according to system resistance. The timer installation is possible for selecting the starting time of the operation and adjusting the thermostat.

PRODUCT DETAILS

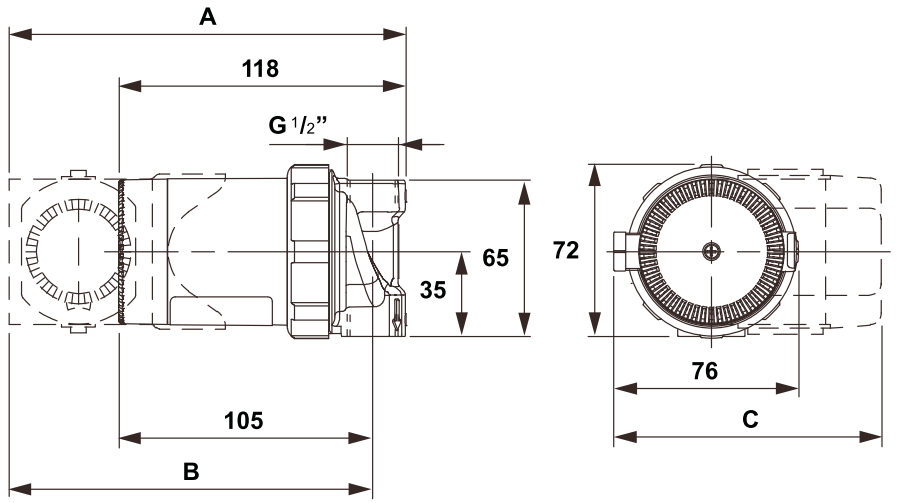
- The high efficiency of the ECM technology
- Energy savings
- 4 possible performances
  - B version with bronze housing
  - BU version with bronze housing and timer
  - BTU model with bronze housing, thermostat and timer
  - GT version with bronze housing and thermostat
- Easy handling and installation
- Robust and compact construction for long life
- Specially adapted to the independence of lime scale
- Easy to use and small

Pump component	Material
Housing	Bronze
Ceramic bearings	Ceramics
Rotor impeler	polyamide



SAN ECO	DN	Fitting length	N. Pressure	Weight	Code
15/15 B	15	65 mm	PN 10 bar	0,9 kg	979523230
15/15 BU	15	65 mm	PN 10 bar	1,0 kg	979523231
15/15 BTU	15	65 mm	PN 10 bar	1,0 kg	979523232
15/15 BT	15	65 mm	PN 10 bar	0,9 kg	979523233

Dimensions	L	DN	A	B	C
15/15 BT	65 mm	15	163	150	110
15/15 BTU	65 mm	15	163	150	110



TECHNICAL DATA

Flow Q up to 0,9 m³/h

Pressure H up to 1,1 m

Power 2 - 8 Watt

Nominal pressure 10 bar

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 from mineral oils and without solid particles

Permissible temperature range

- Medium temperature from +5 ºC to +95 ºC

Minimum inlet pressure

0,05 bar < 75 ºC Temperature of medium

0,28 bar < 90 ºC Temperature of medium

Electrical connection

Voltage 1 ~ 230 V, 50/60 Hz

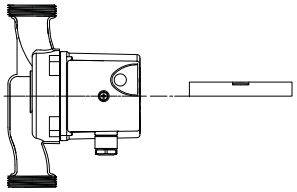
Motor/Electronics

- Maximum power 8 W
- Shaftless spherical motor with ECM technology
- Protection IP 44
- Insulation class F
- Optional with thermostat for temperature range 20-70 ºC
- Optional timer

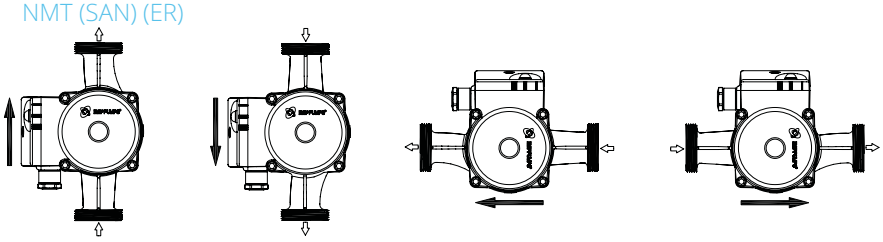
INSTALLATION

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

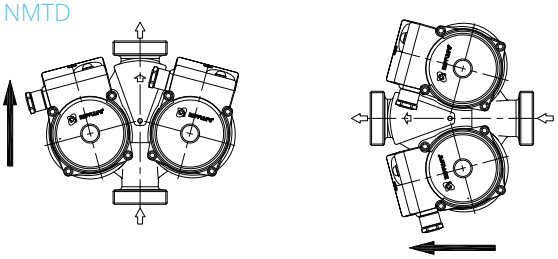
NMT(D) (SAN) (ER)



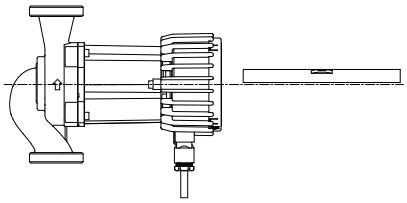
NMT (SAN) (ER)



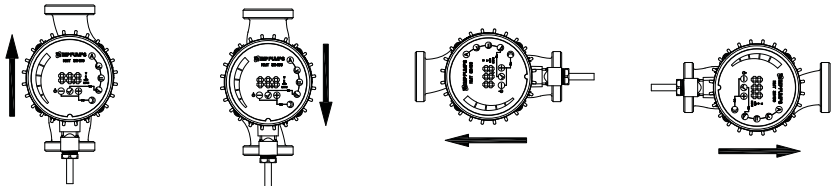
NMTD



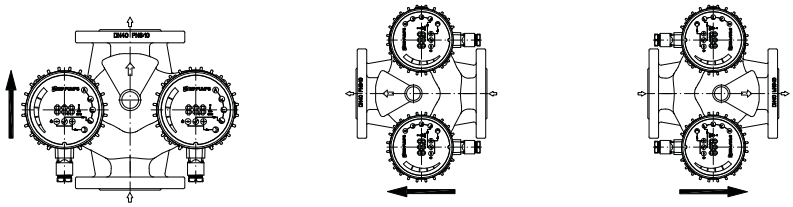
NMT(D) SMART (C) (F)



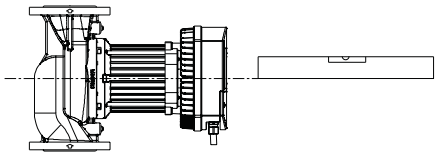
NMT SMART (C) (F)



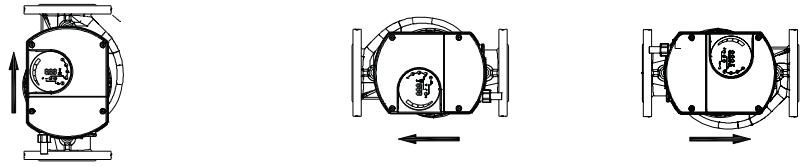
NMTD SMART (C) (F)



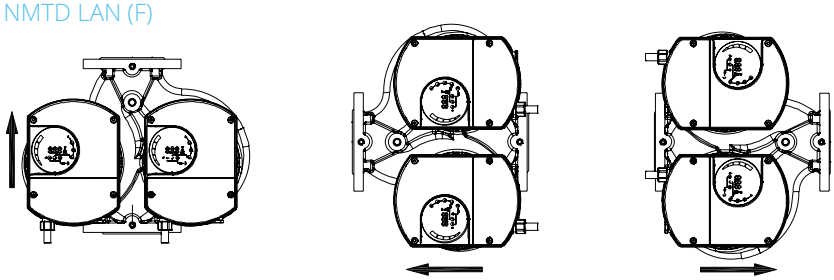
NMT(D) SAN (LAN) F



NMT SAN (LAN) F



NMTD LAN (F)



ACCESSORIES

Code 871520842	**Universal plug NMT SMART series**
Code 979523376	**Communication module SMART C**

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