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 NewMotorTechnolgy

TECHNICAL DATA

INDEX

WHAT IS ErP REGULATION	PAGE 3
EXPLANATION OF THE TAG IMP PUMPS	PAGE 3
ABBREVIATIONS AND THEIR MEANINGS	PAGE 4
CONTACTS PAGE	PAGE 5
GENERAL INFORMATION PAGE	PAGE 5
HIGH-EFFICIENCY SCREW PUMPS	
NMT	FROM PAGE 6
NMT SMART (C)	FROM PAGE 12
HIGH-EFFICIENCY PUMP FLANGE	
NMT SMART (C)	FROM PAGE 20
NMT MAX (C)	PAGE 28
NMT	FROM PAGE 30
NMT LAN (C)	FROM PAGE 40
HIGH-EFFICIENCY PUMPS FOR HOT WATER	
ECO SAN	PAGE 50
INSTALLATION PAGE	PAGE 52
ACCESSORIES	PAGE 52
NOTES	PAGE 53

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

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

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

EXPLANATION OF IMP PUMPS NAME TAG

NMT SMART C 25 / 60 -180

NMT	new motor technology
SMART	series
C	communication module
25	nominal size
60	maximum pressure of 60
180	installation length

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 class
ErP	ERP Regulation Energy related Products translated as energy corresponding products. The objective of this Regulation, 2009 125 EC is to reduce energy consumption. According to the environmental requirements of EuP 2005 32 EC
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	The flow in cubic meters per hour

CONTACTS

GENERAL MANAGER
Mr. Mag. Damir Popovič
e-mail: damir.popovic@imp-pumps.com
Tel: +386 1 2806 400
Fax: +386 1 2806 460

SALES MANAGER
Mr. Matjaž Kump
e-mail: matjaz.kump@imp-pumps.com
Tel: +386 1 2806 418
Fax: +386 1 2806 460

SALES OFFICE
Mrs. Martina Nartnik
e-mail: martina.nartnik@imp-pumps.com
Tel: +386 1 2806 414
Fax: +386 1 2806 460

TECHNICAL INFORMATION
Mr. Boris Petrovič
e-mail: boris.petrovic@imp-pumps.com
Tel: +386 1 2806 411
Fax: +386 1 2806 460

RESEARCH AND DEVELOPMENT
Mr. Janez Skander
e-mail: janez.skander@imp-pumps.com
Tel: +386 1 2806 426
Fax: +386 1 2806 460

FINANCE
Mrs. Brigita Jankovič
e-mail: brigita.jankovic@imp-pumps.com
Tel: +386 1 2806 420
Fax: +386 1 2862 196

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.

TECHNICAL ADJUSTMENTS AND REVISIONS ARE NOT PERMITTED.

ECO HIGH-EFFICIENCY REGULATED THREADED PUMPS NMT -/40

NMT

PERFORMANCE

High efficiency ECM motor series pumps with canned motor and permanent magnets. Variable pressure control and constant speed. For use in water system according to requirements of VDI 2035.

APLICATIONS FOR

All heating systems, air condition systems, closed loop cooling systems and industrial circulatory systems. The implementation bronze casing SAN for the usage in drinking water circulation systems.

OPERATION

Δp-Proportional pressure control

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

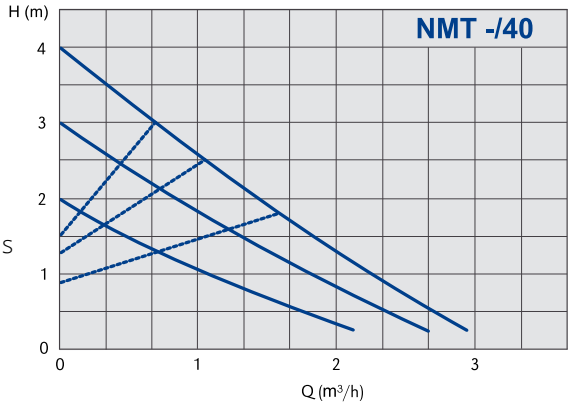
Δp-Constant speed

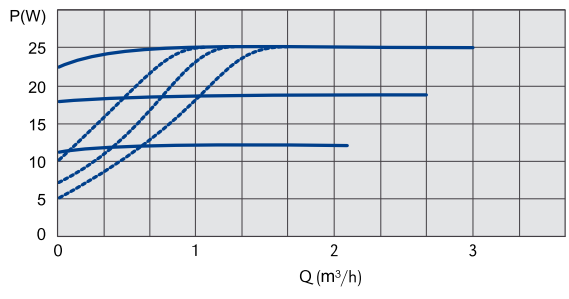
After selection pump works in three different speeds

PRODUCT DESCRIPTION

- 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
- Possibility of housing with cataphoretic
- Twin pump option
- The possibility of an analog input signal 0-10 V

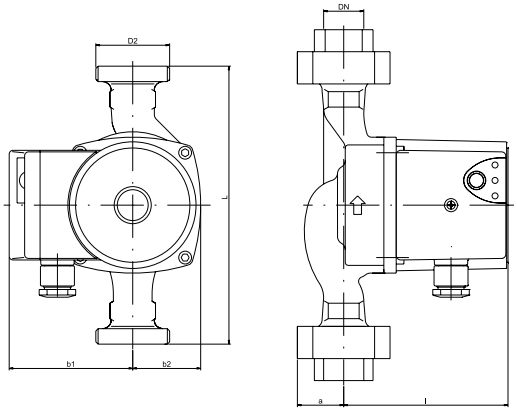
Pump component	Material
Housing	Cast iron
Impeller	Polyamid
Shaft	Ceramics
Rotor can	Ceramics
Ventricular wall	Stainless steel
Rotor can	Stainless steel





NMT	Pipe connection	DN	Fitting length	N. Pressure	Weight	Code	Euro
NMT 15/40-130	Rp ½	15	130 mm	PN 10 bar	1,9 kg	979522028	219,00 €
NMT 20/40-130	Rp ¾	20	130 mm	PN 10 bar	2,0 kg	979522024	219,00 €
NMT 25/40-130	Rp 1	25	130 mm	PN 10 bar	2,1 kg	979522025	219,00 €
NMT 20/40-180	Rp ¾	20	180 mm	PN 10 bar	2,3 kg	979522042	221,00 €
NMT 25/40-180	Rp 1	25	180 mm	PN 10 bar	2,4 kg	979522043	221,00 €
NMT 32/40-180	Rp 1 ¼	32	180 mm	PN 10 bar	2,5 kg	979522044	221,00 €
NMT SAN 20/40-130	Rp ¾	20	130 mm	PN 10 bar	2,1 kg	979523133	284,00 €
NMT SAN 25/40-130	Rp 1	25	130 mm	PN 10 bar	2,2 kg	979523134	284,00 €
NMT ER 15/40-130	Rp ½	15	130 mm	PN 10 bar	1,9 kg	979523143	272,00 €
NMT ER 20/40-130	Rp ¾	20	130 mm	PN 10 bar	2,0 kg	979523144	272,00 €
NMT ER 25/40-130	Rp 1	25	130 mm	PN 10 bar	2,1 kg	979523145	272,00 €
NMT ER 20/40-180	Rp ¾	20	180 mm	PN 10 bar	2,3 kg	979523146	273,00 €
NMT ER 25/40-180	Rp 1	25	180 mm	PN 10 bar	2,4 kg	979523147	273,00 €
NMT ER 32/40-180	Rp 1 ¼	32	180 mm	PN 10 bar	2,5 kg	979523148	273,00 €

Dimensions	L	DN	D2	b1	b2	l	a
NMT 40	130/180	15/20/25/32	1"/5/4"/6/4"/2"	80	48	108	27/29/32



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 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
- Built-in motor protection
- Control Δp or constant speed
- Degree of protection: IP 44
- Insulation class F
- Optional analog input signal 0 - 10 V

ECO HIGH-EFFICIENCY REGULATED THREADED PUMPS NMT -/60

NMT

PERFORMANCE

High efficiency ECM motor series pumps with canned motor and permanent magnets. Variable pressure control and constant speed. For use in water system according to requirements of VDI 2035.

APLICATIONS FOR

All heating systems, air condition systems, closed loop cooling systems and industrial circulatory systems.
The implementation bronze casing SAN for the usage in drinking water circulation systems.

OPERATION

Δp-Proportional pressure control

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

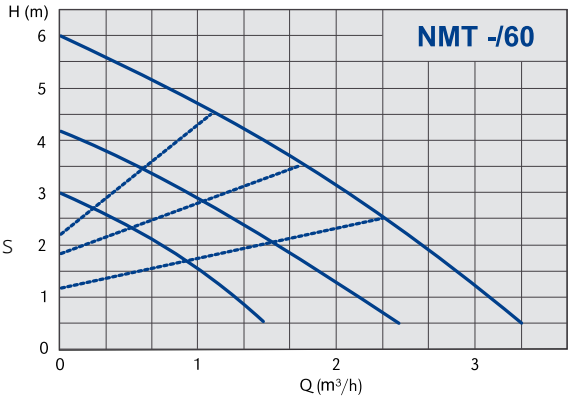
Δp-Constant speed

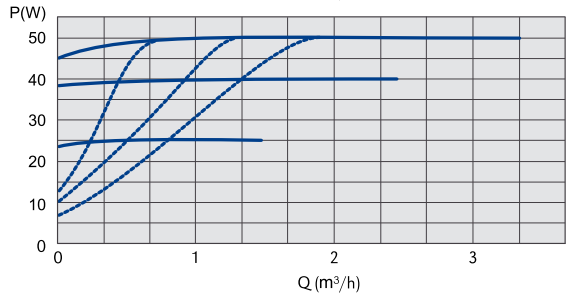
After selection pump works in three different speeds

PRODUCT DESCRIPTION

- 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
- Possibility of housing with cataphoretic
- Twin pump option
- The possibility of an analog input signal 0-10 V

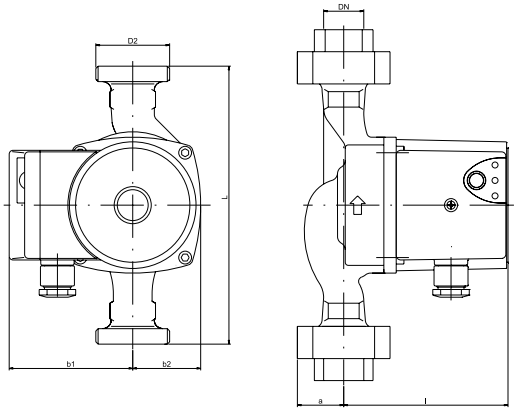
Pump component	Material
Housing	Cast iron
Impeller	Polyamid
Shaft	Ceramics
Bearings	Ceramics
Ventricular wall	Stainless steel
Rotor can	Stainless steel





NMT	Pipe connection	DN	Fitting length	N. Pressure	Weight	Code	Euro
NMT 15/60-130	Rp ½	15	130 mm	PN 10 bar	1,9 kg	979522029	241,00 €
NMT 20/60-130	Rp ¾	20	130 mm	PN 10 bar	2,0 kg	979522026	241,00 €
NMT 25/60-130	Rp 1	25	130 mm	PN 10 bar	2,1 kg	979522027	241,00 €
NMT 20/60-180	Rp ¾	20	180 mm	PN 10 bar	2,3 kg	979522046	242,00 €
NMT 25/60-180	Rp 1	25	180 mm	PN 10 bar	2,4 kg	979522047	242,00 €
NMT 32/60-180	Rp 1 ¼	32	180 mm	PN 10 bar	2,5 kg	979522048	242,00 €
NMT SAN 20/60-130	Rp ¾	20	130 mm	PN 10 bar	2,1 kg	979523135	306,00 €
NMT SAN 25/60-130	Rp 1	25	130 mm	PN 10 bar	2,2 kg	979523136	306,00 €
NMT ER 15/60-130	Rp ½	15	130 mm	PN 10 bar	1,9 kg	979523149	293,00 €
NMT ER 20/60-130	Rp ¾	20	130 mm	PN 10 bar	2,0 kg	979523150	293,00 €
NMT ER 25/60-130	Rp 1	25	130 mm	PN 10 bar	2,1 kg	979523151	293,00 €
NMT ER 20/60-180	Rp ¾	20	180 mm	PN 10 bar	2,3 kg	979523152	295,00 €
NMT ER 25/60-180	Rp 1	25	180 mm	PN 10 bar	2,4 kg	979523153	295,00 €
NMT ER 32/60-180	Rp 1 ¼	32	180 mm	PN 10 bar	2,5 kg	979523154	295,00 €

Dimensions	L	DN	D2	b1	b2	l	a
NMT 60	130/180	15/20/25/32	1"/5/4"/6/4"/2"	80	48	108	27/29/32



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 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
- Built-in motor protection
- Control Δp or constant speed
- Degree of protection: IP 44
- Insulation class F
- Optional analog input signal 0 - 10 V

ECO HIGH-EFFICIENCY REGULATED THREADED PUMPS NMT -/80

NMT

PERFORMANCE

High efficiency ECM motor series pumps with canned motor and permanent magnets. Variable pressure control and constant speed. For use in water system according to requirements of VDI 2035.

APLICATIONS FOR

All heating systems, air condition systems, closed loop cooling systems and industrial circulatory systems. The implementation bronze casing SAN for the usage in drinking water circulation systems.

OPERATION

Δp-Proportional pressure control

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

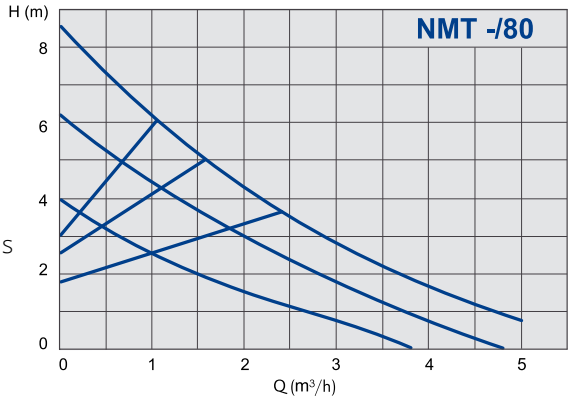
Δp-Constant speed

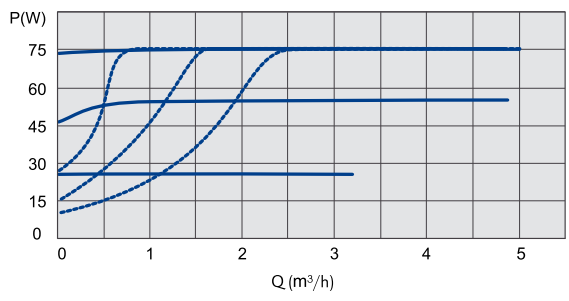
After selection pump works in three different speeds

PRODUCT DESCRIPTION

- 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
- Possibility of housing with cataphoretic
- Twin pump option
- The possibility of an analog input signal 0-10 V

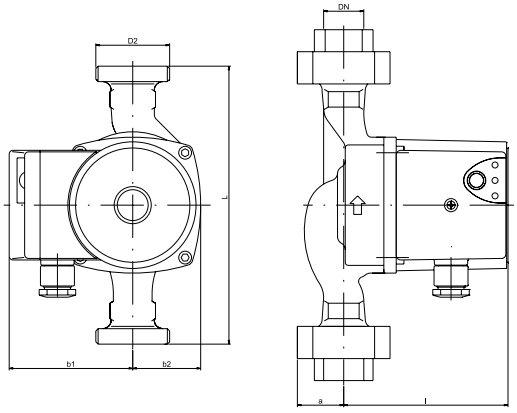
Pump component	Material
Housing	Cast iron
Impeller	Polyamid
Shaft	Ceramics
Bearings	Ceramics
Ventricular wall	Stainless steel
Rotor can	Stainless steel





NMT	Pipe connection	DN	Fitting length	N. Pressure	Weight	Code	Euro
NMT 15/80-130	Rp ½	15	130 mm	PN 10 bar	1,9 kg	979522969	279,00 €
NMT 20/80-130	Rp ¾	20	130 mm	PN 10 bar	2,0 kg	979522970	279,00 €
NMT 25/80-130	Rp 1	25	130 mm	PN 10 bar	2,1 kg	979522971	279,00 €
NMT 20/80-180	Rp ¾	20	180 mm	PN 10 bar	2,3 kg	979522972	281,00 €
NMT 25/80-180	Rp 1	25	180 mm	PN 10 bar	2,4 kg	979522973	281,00 €
NMT 32/80-180	Rp 1 ¼	32	180 mm	PN 10 bar	2,5 kg	979522974	281,00 €
NMT SAN 20/80-130	Rp ¾	20	130 mm	PN 10 bar	2,1 kg	979523137	404,00 €
NMT SAN 25/80-130	Rp 1	25	130 mm	PN 10 bar	2,2 kg	979523138	404,00 €
NMT ER 15/80-130	Rp ½	15	130 mm	PN 10 bar	1,9 kg	979523155	331,00 €
NMT ER 20/80-130	Rp ¾	20	130 mm	PN 10 bar	2,0 kg	979523156	331,00 €
NMT ER 25/80-130	Rp 1	25	130 mm	PN 10 bar	2,1 kg	979523157	331,00 €
NMT ER 20/80-180	Rp ¾	20	180 mm	PN 10 bar	2,3 kg	979523158	333,00 €
NMT ER 25/80-180	Rp 1	25	180 mm	PN 10 bar	2,4 kg	979523159	333,00 €
NMT ER 32/80-180	Rp 1 ¼	32	180 mm	PN 10 bar	2,5 kg	979523160	333,00 €

Dimensions	L	DN	D2	b1	b2	l	a
NMT 80	130/180	15/20/25/32	1"/5/4"/6/4/2"	80	48	108	27/29/32



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 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
- Built-in motor protection
- Control Δp or constant speed
- Degree of protection: IP 44
- Insulation class F
- Optional analog input signal 0 - 10 V

NEW

HIGH-EFFICIENCY REGULATED THREADED PUMPS NMT SMART 40

SMART

PERFORMANCE

High efficiency ECM motor series pumps with canned motor and permanent magnets. Variable and constant pressure control through display. For use in water system according to requirements of VDI 2035.

APPLICATIONS

All heating systems, air condition systems, closed loop cooling systems and industrial circulatory systems.

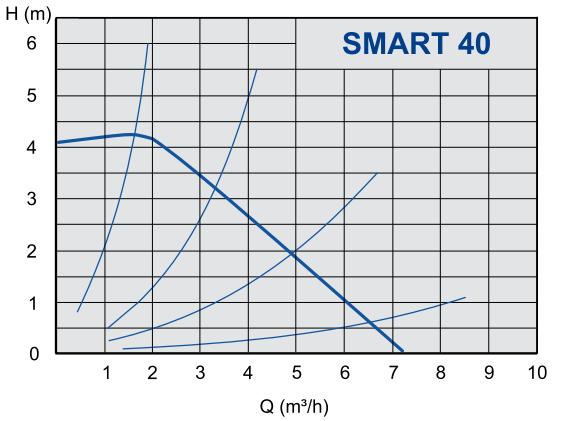
OPERATION

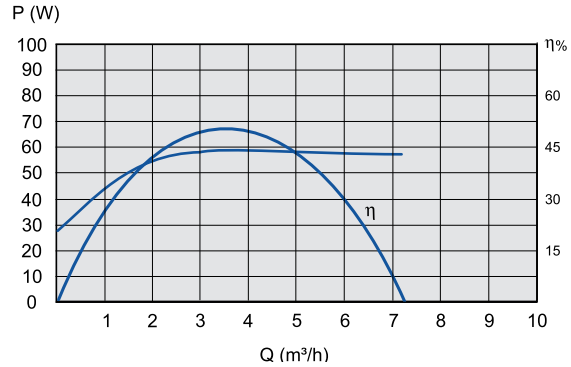
- Auto mode (default)
- Proportional pressure control
- Constant pressure control
- Constant speed
- Night mode

PRODUCT DESCRIPTION

- 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
- Possibility of housing with cataphoretic
- Twin pump option
- Possibility of NMTC communication module (Ethernet connection, Modbus RTU connection, Analog Control input 0 - 10 V, 3 digital inputs, 1 relay output)

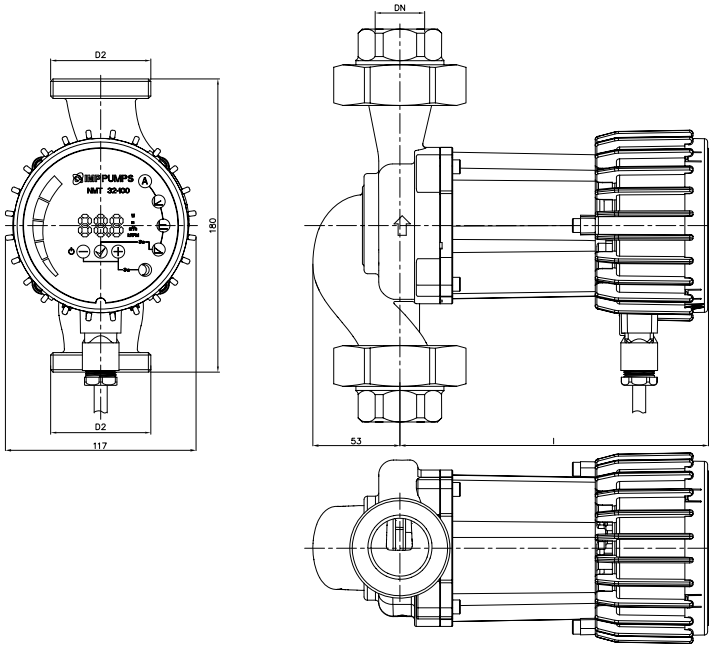
Pump component	Material
Housing	Cast iron
Impeller	PES
Shaft	Stainless steel
Bearings	Graphite
Ventricular wall	Stainless steel
Rotor can	Stainless steel





NMT	Pipe connection	DN	Fitting length	N. Pressure	Weight	Code	Euro
SMART 25/40	Rp 1	25	180 mm	PN 10 bar	4 kg	979523477	460,00 €
SMART 32/40	Rp 1 ¼	32	180 mm	PN 10 bar	4,1 kg	979523478	467,00 €
SMART C 25/40	Rp 1	25	180 mm	PN 10 bar	4,2 kg	979523488	603,00 €
SMART C 32/40	Rp 1 ¼	32	180 mm	PN 10 bar	4,3 kg	979523489	610,00 €

Dimensions	L	DN	D2	l
SMART 25/40	180	25	6/4"	190
SMART 32/40	180	32	2"	190
SMART C 25/40	180	25	6/4"	222
SMART C 32/40	180	32	2"	222



TECHNICAL DATA

Flow Q up to 7,5 m³/h

Pressure H up to 4 m

Power 7 - 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
- Built-in motor protection
- 3 control modes (proportional head, constant head, constant speed)
- Degree of protection: IP 44
- Insulation class F

HIGH-EFFICIENCY REGULATED THREADED PUMPS NMT SMART 60

SMART

PERFORMANCE

High efficiency ECM motor series pumps with canned motor and permanent magnets. Variable and constant pressure control through display. For use in water system according to requirements of VDI 2035.

APPLICATIONS

All heating systems, air condition systems, closed loop cooling systems and industrial circulatory systems.

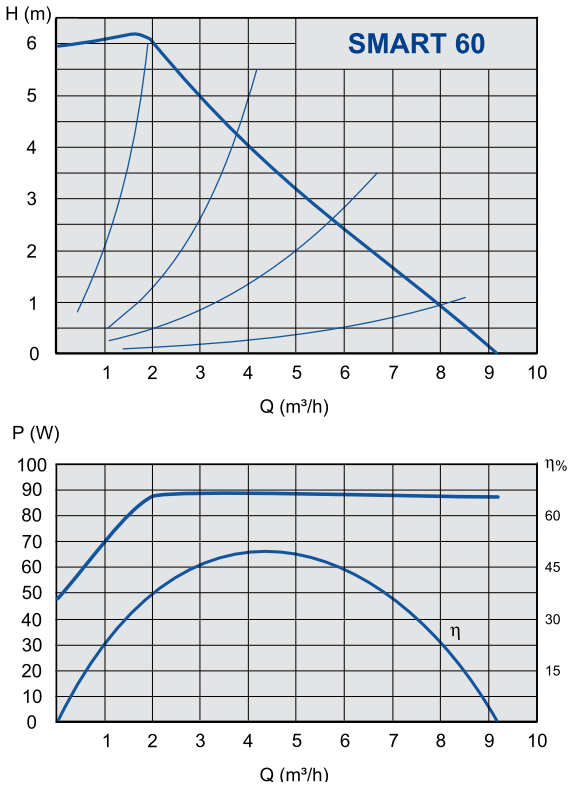
OPERATION

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

PRODUCT DESCRIPTION

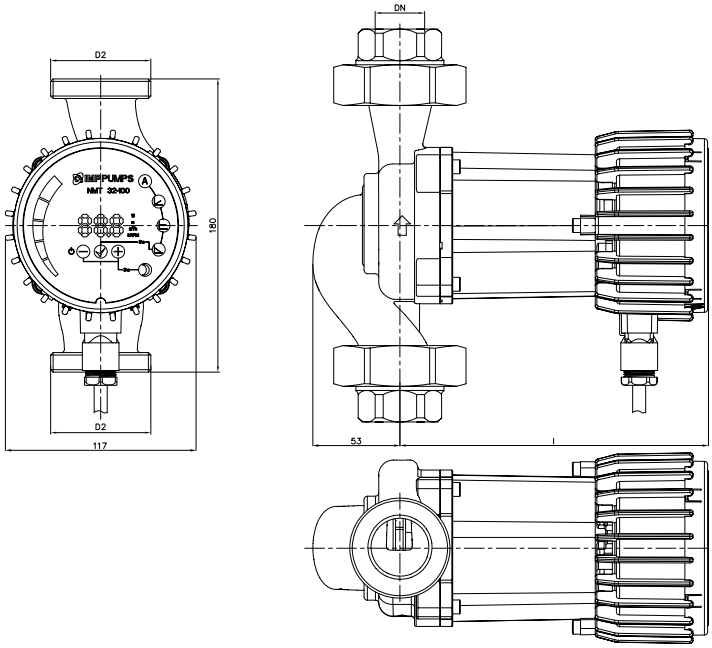
- High efficiency ECM technology
- Energy savings
- LED Display for control
- Easy handling and installation
- Plug & Play
- Robust and compact construction for long life
- Automatic venting
- Low noise operation
- Possibility of housing with cataphoretic
- Twin pump option
- Possibility of NMTC communication module (Ethernet connection, Modbus RTU connection, Analog Control input 0 - 10 V, 3 digital inputs, 1 relay output)

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



NMT	Pipe connection	DN	Fitting length	N. Pressure	Weight	Code	Euro
SMART 25/60	Rp 1	25	180 mm	PN 10 bar	4 kg	979523480	507,00 €
SMART 32/60	Rp 1 ¼	32	180 mm	PN 10 bar	4,1 kg	979523481	514,00 €
SMART C 25/60	Rp 1	25	180 mm	PN 10 bar	4,2 kg	979523491	650,00 €
SMART C 32/60	Rp 1 ¼	32	180 mm	PN 10 bar	4,3 kg	979523492	657,00 €

Dimensions	L	DN	D2	l
SMART 25/60	180	25	6/4"	190
SMART 32/60	180	32	2"	190
SMART C 25/60	180	25	6/4"	222
SMART C 32/60	180	32	2"	222



TECHNICAL DATA

Flow Q up to 9 m³/h

Pressure H up to 6 m

Power 7 - 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
- Built-in motor protection
- 3 control modes (proportional head, constant head, constant speed)
- Degree of protection: IP 44
- Insulation class F

NEW

HIGH-EFFICIENCY REGULATED THREADED PUMPS NMT SMART 80

SMART

PERFORMANCE

High efficiency ECM motor series pumps with canned motor and permanent magnets. Variable and constant pressure control through display. For use in water system according to requirements of VDI 2035.

APPLICATIONS

All heating systems, air condition systems, closed loop cooling systems and industrial circulatory systems.

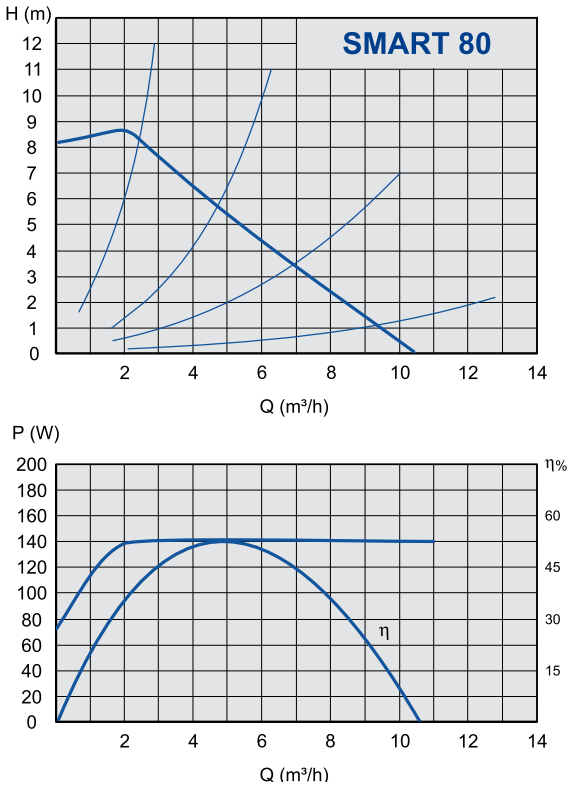
OPERATION

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

PRODUCT DESCRIPTION

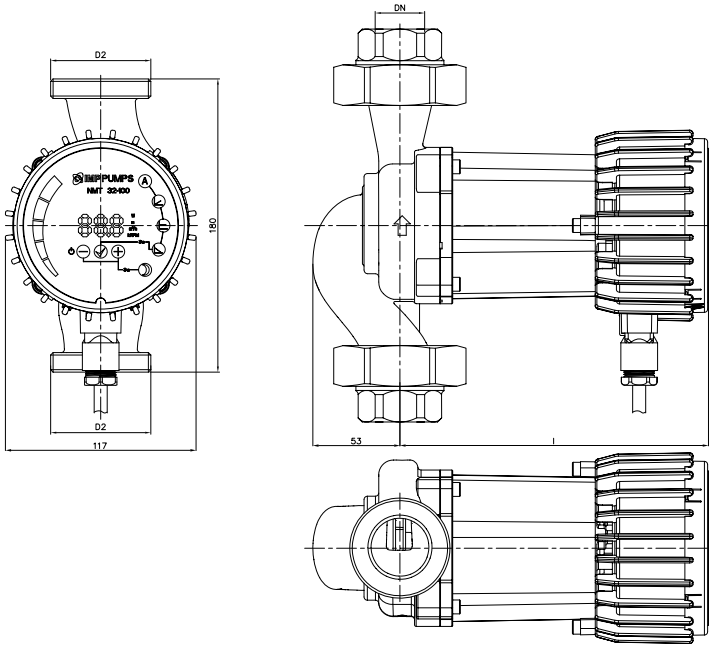
- High efficiency ECM technology
- Energy savings
- LED Display for control
- Easy handling and installation
- Plug & Play
- Robust and compact construction for long life
- Automatic venting
- Low noise operation
- Possibility of housing with cataphoretic
- Twin pump option
- Possibility of NMTC communication module (Ethernet connection, Modbus RTU connection, Analog Control input 0 - 10 V, 3 digital inputs, 1 relay output)

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



NMT	Pipe connection	DN	Fitting length	N. Pressure	Weight	Code	Euro
SMART 25/80	Rp 1	25	180 mm	PN 10 bar	4 kg	979523484	570,00 €
SMART 32/80	Rp 1 ¼	32	180 mm	PN 10 bar	4,1 kg	979523485	577,00 €
SMART C 25/80	Rp 1	25	180 mm	PN 10 bar	4,2 kg	979523495	713,00 €
SMART C 32/80	Rp 1 ¼	32	180 mm	PN 10 bar	4,3 kg	979523496	720,00 €

Dimensions	L	DN	D2	I
SMART 25/80	180	25	6/4"	190
SMART 32/80	180	32	2"	190
SMART C 25/80	180	25	6/4"	222
SMART C 32/80	180	32	2"	222



TECHNICAL DATA

Flow Q up to 10 m³/h

Pressure H up to 8 m

Power 7 - 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
- Built-in motor protection
- 3 control modes (proportional head, constant head, constant speed)
- Degree of protection: IP 44
- Insulation class F

NEW

HIGH-EFFICIENCY REGULATED THREADED PUMPS NMT SMART 100

SMART

PERFORMANCE

High efficiency ECM motor series pumps with canned motor and permanent magnets. Variable and constant pressure control through display. For use in water system according to requirements of VDI 2035.

APPLICATIONS

All heating systems, air condition systems, closed loop cooling systems and industrial circulatory systems.

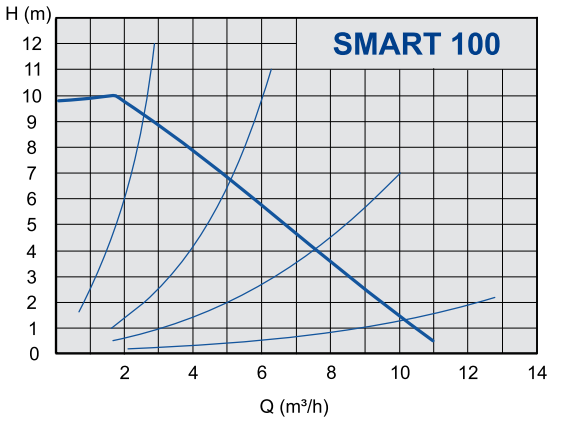
OPERATION

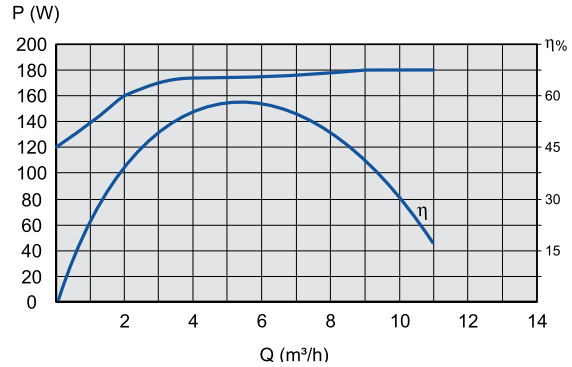
- Auto mode (default)
- Proportional pressure control
- Constant pressure control
- Constant speed
- Night mode

PRODUCT DESCRIPTION

- 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
- Possibility of housing with cataphoretic
- Twin pump option
- Possibility of NMTC communication module (Ethernet connection, Modbus RTU connection, Analog Control input 0 - 10 V, 3 digital inputs, 1 relay output)

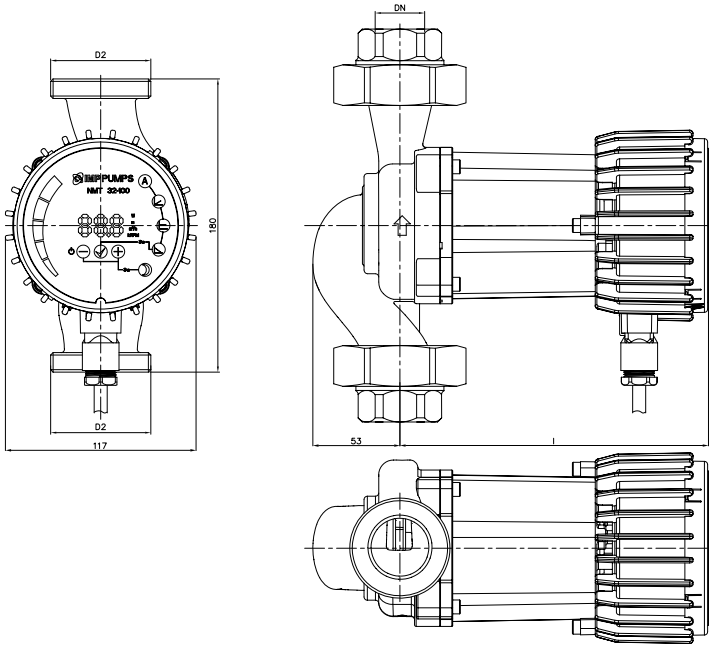
Pump component	Material
Housing	Cast iron
Impeller	PES
Shaft	Stainless steel
Bearings	Graphite
Ventricular wall	Stainless steel
Rotor can	Stainless steel





NMT	Pipe connection	DN	Fitting length	N. Pressure	Weight	Code	Euro
SMART 25/100	Rp 1	25	180 mm	PN 10 bar	4 kg	979523301	577,00 €
SMART 32/100	Rp 1 ¼	32	180 mm	PN 10 bar	4,1 kg	979523216	584,00 €
SMART C 25/100	Rp 1	25	180 mm	PN 10 bar	4,2 kg	979523371	720,00 €
SMART C 32/100	Rp 1 ¼	32	180 mm	PN 10 bar	4,3 kg	979523367	727,00 €

Dimensions	L	DN	D2	l
SMART 25/100	180	25	6/4"	190
SMART 32/100	180	32	2"	190
SMART C 25/100	180	25	6/4"	222
SMART C 32/100	180	32	2"	222



TECHNICAL DATA

Flow Q up to 11 m³/h

Pressure H up to 10 m

Power 7 - 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
- Built-in motor protection
- 3 control modes (proportional head, constant head, constant speed)
- Degree of protection: IP 44
- Insulation class F

HIGH-EFFICIENCY REGULATED FLANGED PUMP NMT SMART 40 F

SMART

PERFORMANCE

High efficiency ECM motor series pumps with canned motor and permanent magnets. Variable and constant pressure control through display. For use in water system according to requirements of VDI 2035.

APPLICATIONS

All heating systems, air condition systems, closed loop cooling systems and industrial circulatory systems.

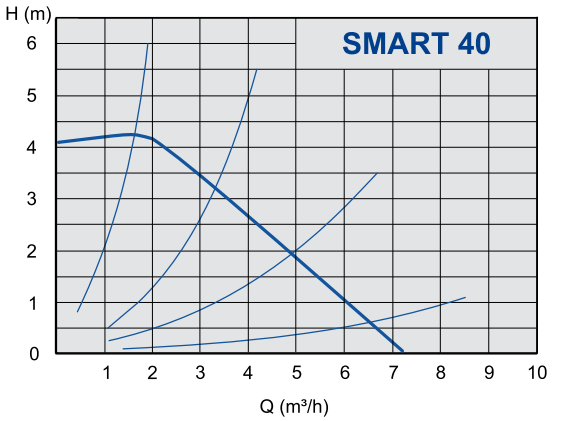
OPERATION

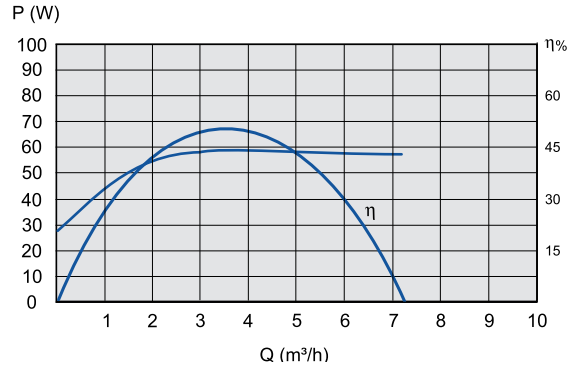
- Auto mode (default)
- Proportional pressure control
- Constant pressure control
- Constant speed
- Night mode

PRODUCT DESCRIPTION

- 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
- Possibility of housing with cataphoretic
- Twin pump option
- Possibility of NMTC communication module (Ethernet connection, Modbus RTU connection, Analog Control input 0 - 10 V, 3 digital inputs, 1 relay output)

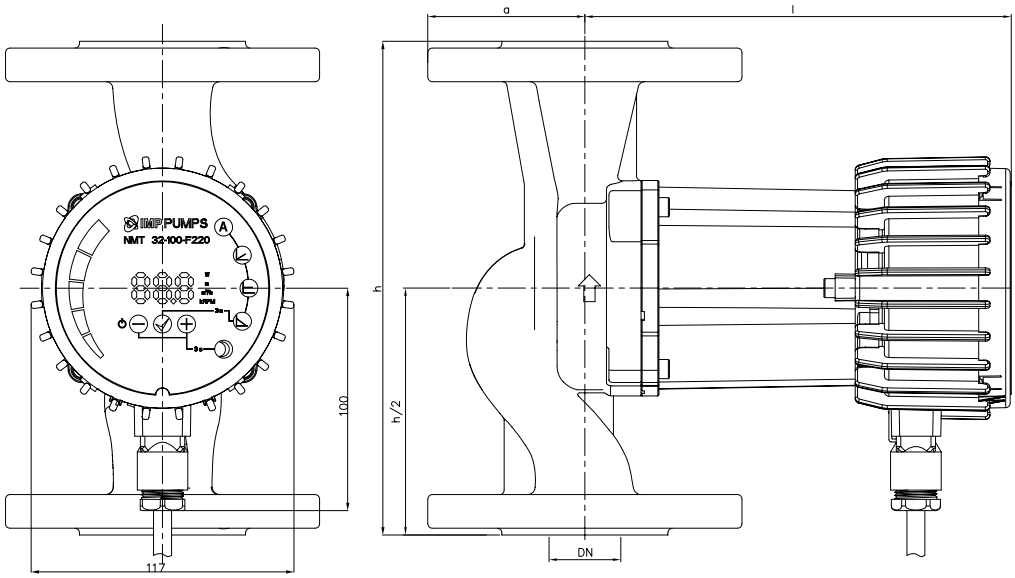
Pump component	Material
Housing	Cast iron
Impeller	PES
Shaft	Stainless steel
Bearings	Graphite
Ventricular wall	Stainless steel
Rotor can	Stainless steel





NMT	DN	Fitting length	N. Pressure	Weight	Code	Euro
SMART 32/40 F	32	220 mm	PN 6/10 bar	7,4 kg	979523479	486,00 €
SMART 40/40 F	40	240 mm	PN 6/10 bar	8,5 kg	979523514	542,00 €
SMART C 32/40 F	32	220 mm	PN 6/10 bar	7,6 kg	979523490	629,00 €
SMART C 40/40 F	40	240 mm	PN 6/10 bar	8,7 kg	979523515	685,00 €

Dimensions	h	DN	b1	l	a
SMART 32/40 F	220	32	117	190	70
SMART 40/40 F	220	40	117	190	75
SMART C 32/40 F	220	32	117	222	70
SMART C 40/40 F	220	40	117	222	75



TECHNICAL DATA

Flow Q up to 7,5 m³/h

Pressure H up to 4 m

Power 7 - 60 Watt

Nominal pressure 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
- Built-in motor protection
- 3 control modes (proportional head, constant head, constant speed)
- Degree of protection: IP 44
- Insulation class F

HIGH-EFFICIENCY REGULATED FLANGED PUMP NMT SMART 60 F

SMART

PERFORMANCE

High efficiency ECM motor series pumps with canned motor and permanent magnets. Variable and constant pressure control through display. For use in water system according to requirements of VDI 2035.

APPLICATIONS

All heating systems, air condition systems, closed loop cooling systems and industrial circulatory systems.

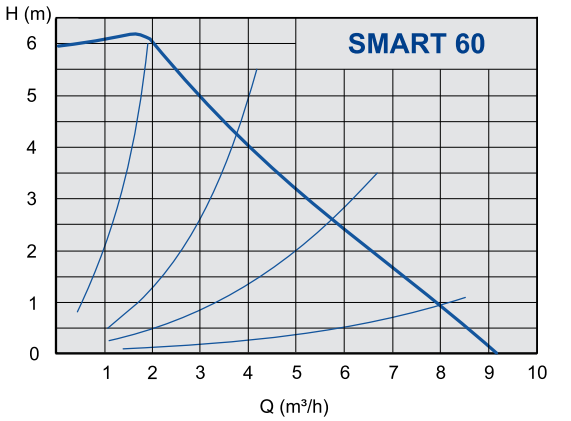
OPERATION

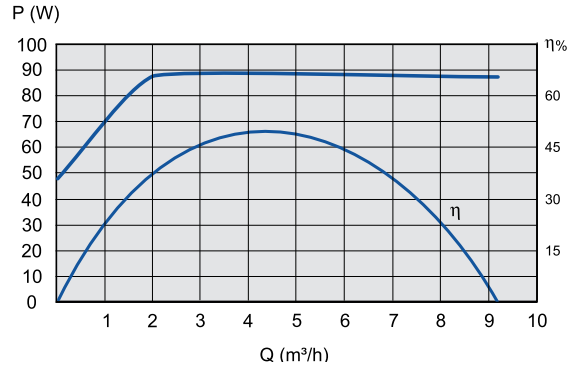
- Auto mode (default)
- Proportional pressure control
- Constant pressure control
- Constant speed
- Night mode

PRODUCT DESCRIPTION

- 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
- Possibility of housing with cataphoretic
- Twin pump option
- Possibility of NMTC communication module (Ethernet connection, Modbus RTU connection, Analog Control input 0 - 10 V, 3 digital inputs, 1 relay output)

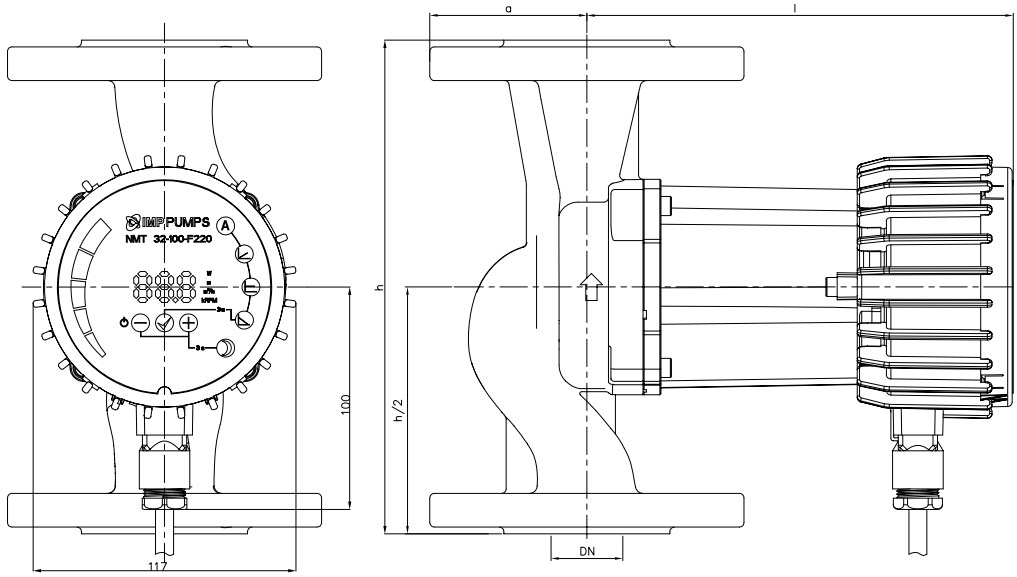
Pump component	Material
Housing	Cast iron
Impeller	PES
Shaft	Stainless steel
Bearings	Graphite
Ventricular wall	Stainless steel
Rotor can	Stainless steel





NMT	DN	Fitting length	N. Pressure	Weight	Code	Euro
SMART 32/60 F	32	220 mm	PN 6/10 bar	7,4 kg	979523482	533,00 €
SMART 40/60 F	40	220 mm	PN 6/10 bar	8,5 kg	979523483	589,00 €
SMART C 32/60 F	32	220 mm	PN 6/10 bar	7,6 kg	979523493	676,00 €
SMART C 40/60 F	40	220 mm	PN 6/10 bar	8,7 kg	979523494	732,00 €

Dimensions	h	DN	b1	l	a
SMART 32/60 F	220	32	117	190	70
SMART 40/60 F	220	40	117	190	75
SMART C 32/60 F	220	32	117	222	70
SMART C 40/60 F	220	40	117	222	75



TECHNICAL DATA

Flow Q up to 9 m³/h

Pressure H up to 6 m

Power 7 - 90 Watt

Nominal pressure 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
- Built-in motor protection
- 3 control modes (proportional head, constant head, constant speed)
- Degree of protection: IP 44
- Insulation class F

HIGH-EFFICIENCY REGULATED SMART FLANGED PUMP NMT SMART 80 F

PERFORMANCE

High efficiency ECM motor series pumps with canned motor and permanent magnets. Variable and constant pressure control through display. For use in water system according to requirements of VDI 2035.

APPLICATIONS

All heating systems, air condition systems, closed loop cooling systems and industrial circulatory systems.

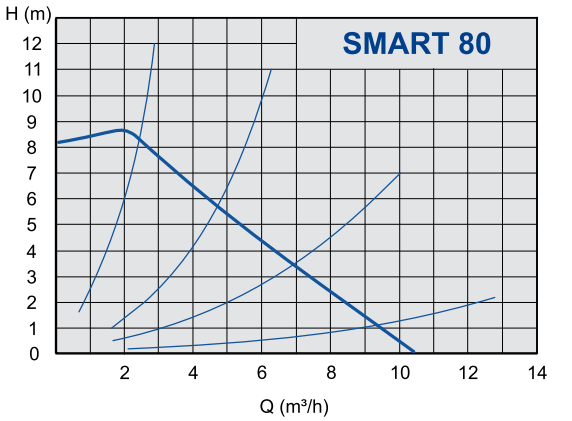
OPERATION

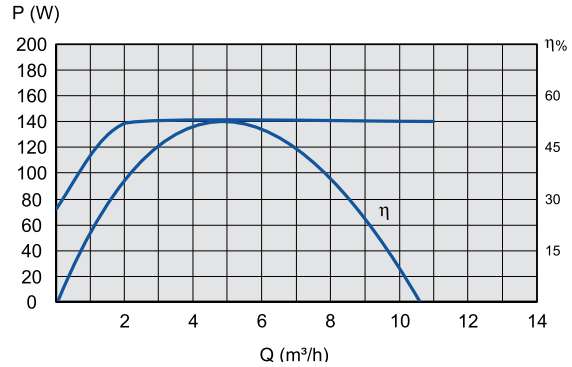
- Auto mode (default)
- Proportional pressure control
- Constant pressure control
- Constant speed
- Night mode

PRODUCT DESCRIPTION

- 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
- Possibility of housing with cataphoretic
- Twin pump option
- Possibility of NMTC communication module (Ethernet connection, Modbus RTU connection, Analog Control input 0 - 10 V, 3 digital inputs, 1 relay output)

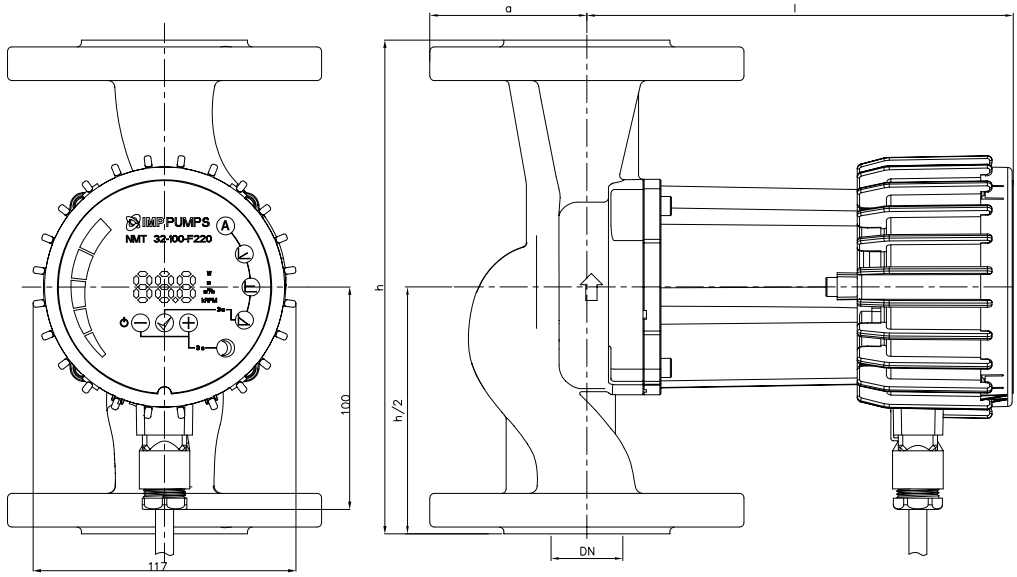
Pump component	Material
Housing	Cast iron
Impeller	PES
Shaft	Stainless steel
Bearings	Graphite
Ventricular wall	Stainless steel
Rotor can	Stainless steel





NMT	DN	Fitting length	N. Pressure	Weight	Code	Euro
SMART 32/80 F	32	220 mm	PN 6/10 bar	7,4 kg	979523486	596,00 €
SMART 40/80 F	40	220 mm	PN 6/10 bar	8,5 kg	979523487	652,00 €
SMART C 32/80 F	32	220 mm	PN 6/10 bar	7,6 kg	979523497	739,00 €
SMART C 40/80 F	40	220 mm	PN 6/10 bar	8,7 kg	979523498	795,00 €

Dimensions	h	DN	b1	l	a
SMART 32/80 F	220	32	117	190	70
SMART 40/80 F	220	40	117	190	75
SMART C 32/80 F	220	32	117	222	70
SMART C 40/80 F	220	40	117	222	75



TECHNICAL DATA

Flow Q up to 10 m³/h

Pressure H up to 8 m

Power 7 - 140 Watt

Nominal pressure 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
- Built-in motor protection
- 3 control modes (proportional head, constant head, constant speed)
- Degree of protection: IP 44
- Insulation class F

HIGH-EFFICIENCY REGULATED SMART FLANGED PUMP NMT SMART 100 F

PERFORMANCE

High efficiency ECM motor series pumps with canned motor and permanent magnets. Variable and constant pressure control through display. For use in water system according to requirements of VDI 2035.

APPLICATIONS

All heating systems, air condition systems, closed loop cooling systems and industrial circulatory systems.

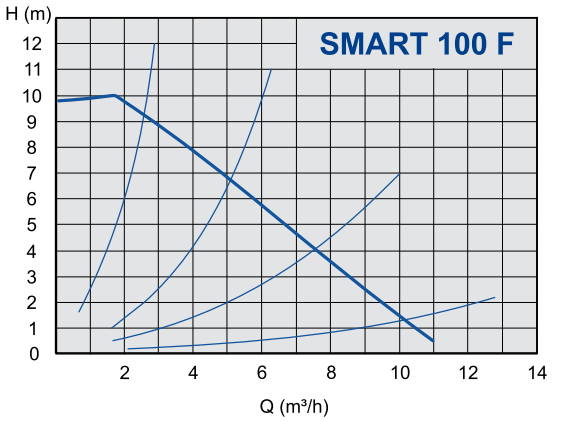
OPERATION

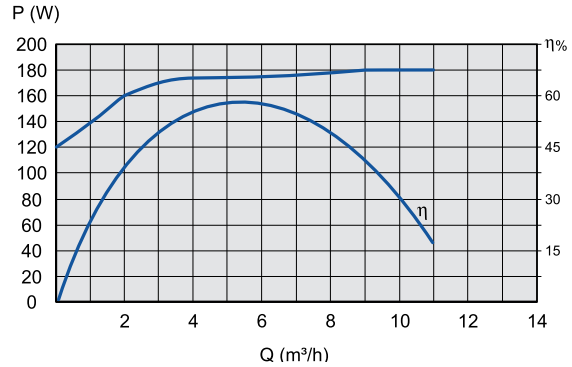
- Auto mode (default)
- Proportional pressure control
- Constant pressure control
- Constant speed
- Night mode

PRODUCT DESCRIPTION

- 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
- Possibility of housing with cataphoretic
- Twin pump option
- Possibility of NMTC communication module (Ethernet connection, Modbus RTU connection, Analog Control input 0 - 10 V, 3 digital inputs, 1 relay output)

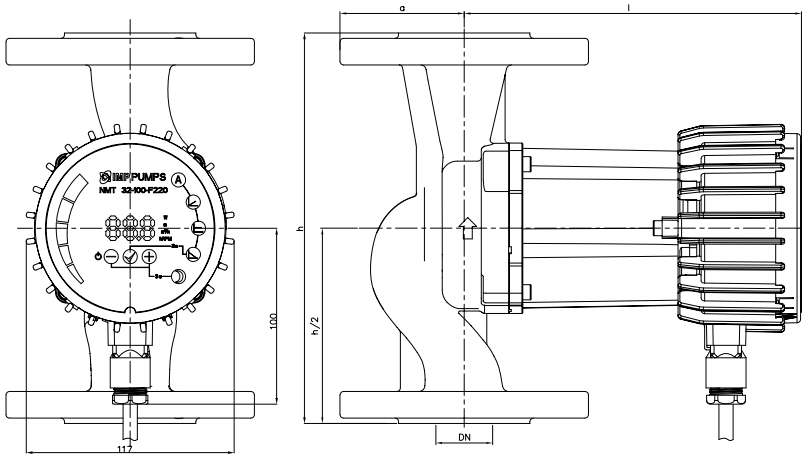
Pump component	Material
Housing	Cast iron
Impeller	PES
Shaft	Stainless steel
Bearings	Graphite
Ventricular wall	Stainless steel
Rotor can	Stainless steel





NMT	DN	Fitting length	N. Pressure	Weight	Code	Euro
SMART 32/100 F	32	220 mm	PN 6/10 bar	7,4 kg	979523284	603,00 €
SMART 40/100 F	40	220 mm	PN 6/10 bar	8,5 kg	979523285	659,00 €
SMART 50/100 F	50	240 mm	PN 6/10 bar	9,8 kg	979523286	707,00 €
SMART C 32/100 F	32	220 mm	PN 6/10 bar	7,6 kg	979523368	746,00 €
SMART C 40/100 F	40	220 mm	PN 6/10 bar	8,7 kg	979523369	802,00 €
SMART C 50/100 F	50	240 mm	PN 6/10 bar	10 kg	979523370	850,00 €

Dimensions	h	DN	b1	l	a
SMART 32/100 F	220	32	117	190	70
SMART 40/100 F	220	40	117	190	75
SMART 50/100 F	240	50	117	190	82,5
SMART C 32/100 F	220	32	117	222	70
SMART C 40/100 F	220	40	117	222	75
SMART C 50/100 F	240	50	117	222	82,5



TECHNICAL DATA

Flow Q up to 11 m³/h

Pressure H up to 10 m

Power 7 - 180 Watt

Nominal pressure 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
- Built-in motor protection
- 3 control modes (proportional head, constant head, constant speed)
- Degree of protection: IP 44
- Insulation class F

2014

HIGH-EFFICIENCY REGULATED FLANGED PUMP NMT MAX 120 F

MAX

PERFORMANCE

High efficiency ECM motor series pumps with canned motor and permanent magnets. Variable and constant pressure control through display. For use in water system according to requirements of VDI 2035.

APPLICATIONS

All heating systems, air condition systems, closed loop cooling systems and industrial circulatory systems.

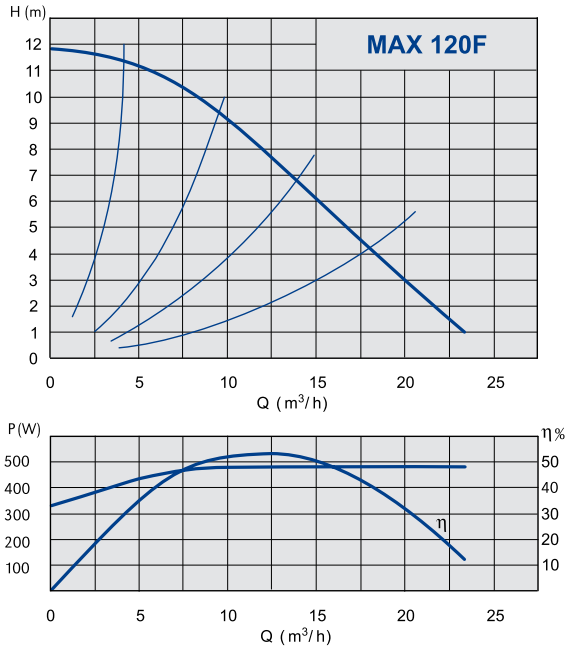
OPERATION

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

PRODUCT DESCRIPTION

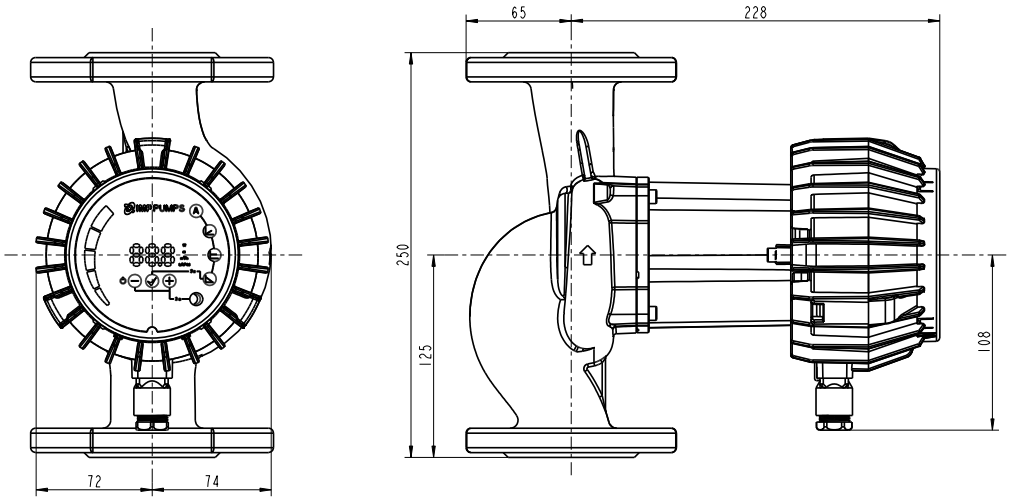
- High efficiency ECM technology
- Energy savings
- LED Display for control
- Easy handling and installation
- Plug & Play
- Robust and compact construction for long life
- Automatic venting
- Low noise operation
- Possibility of housing with cataphoretic
- Twin pump option
- Possibility of NMTC communication module (Ethernet connection, Modbus RTU connection, Analog Control input 0 - 10 V, 3 digital inputs, 1 relay output)

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



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

Dimensions	h	DN	b1	l	a
MAX 40/120 F	250	40	146	282	65
MAX C 40/120 F	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
- Built-in motor protection
- Degree of protection: IP 44
- Insulation class F

HIGH-EFFICIENCY REGULATED FLANGED PUMP NMT 40 F

NMT

PERFORMANCE

High efficiency ECM motor series pumps with canned motor and permanent magnets. Variable and constant pressure control through Ethernet connection. For use in water system according to requirements of VDI 2035.

APPLICATIONS

Heating system, air condition systems, closed loop cooling system and industrial circulatory systems. With bronze casting - SAN version, for use in drinking water circulation systems.

OPERATION

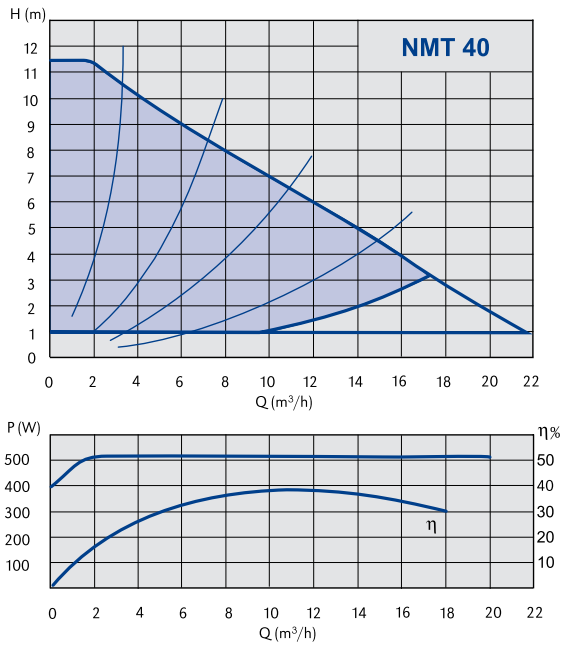
Δp-Proportional pressure control

The pump proportionally adjust the pressure, according to system resistance. Guaranteeing minimal power and energy consumptions.

PRODUCT DESCRIPTION

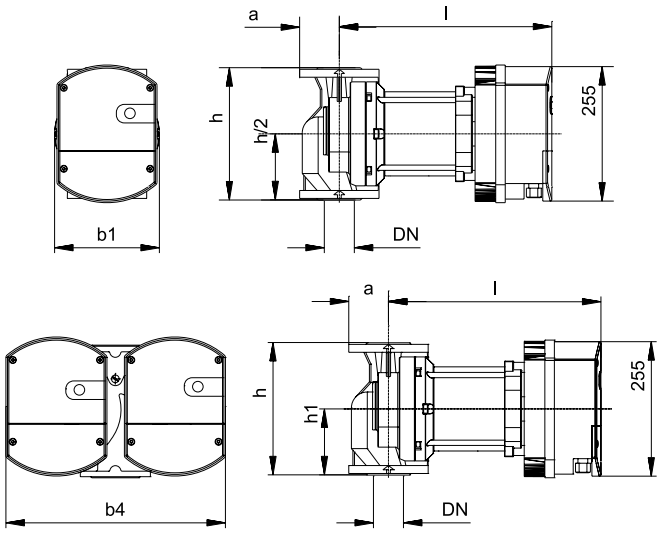
- Efficiency ECM technology
- Energy savings
- Easy handling and installation
- Robust and compact construction for long life
- Automatic venting
- Silent operation
- Possibility of housing with cataphoresis
- Twin pump option
- Twin pump option with SAN - bronze housing

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



NMT	DN	Fitting length	N. Pressure	Weight	Code	Euro
NMT 40 F	40	250 mm	PN 6/10 bar	24 kg	979522736	1.308,00 €
NMTD 40 F	40	250 mm	PN 6/10 bar	47 kg	979522744	2.342,00 €
NMT SAN 40 F	40	250 mm	PN 6/10 bar	26 kg	979523199	1.932,00 €

Dimensions	h	DN	b1	b4	l	a
NMT 40 F	250	40	189		321	65
NMTD 40 F	250	40		403	321	65
NMT SAN 40 F	250	40	189		321	65



TECHNICAL DATA

Flow Q up to 25 m³/h

Pressure H up to 13 m

Power 20 - 500 Watt

Nominal pressure 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
- Built-in motor protection
- Methods of control:
  - Current control (limit current)
  - Power control (limit power)
  - Constant pressure control (Δp-c)
  - Proportional pressure control (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 50 F

NMT

PERFORMANCE

High efficiency ECM motor series pumps with canned motor and permanent magnets. Variable and constant pressure control through Ethernet connection. For use in water system according to requirements of VDI 2035.

APPLICATIONS

Heating system, air condition systems, closed loop cooling system and industrial circulatory systems. With bronze casting - SAN version, for use in drinking water circulation systems.

OPERATION

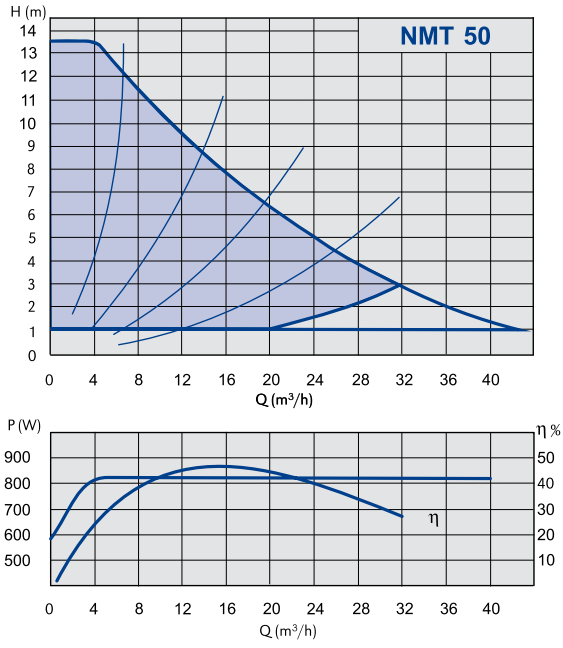
Δp-Proportional pressure control

The pump proportionally adjust the pressure, according to system resistance. Guaranteeing minimal power and energy consumptions.

PRODUCT DESCRIPTION

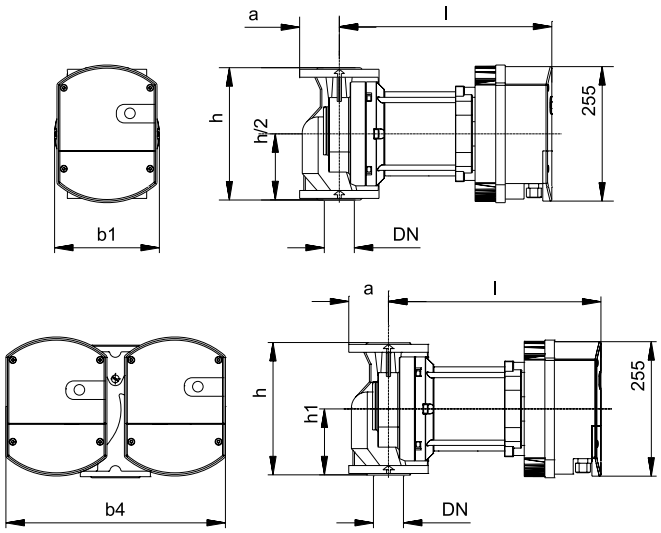
- Efficiency ECM technology
- Energy savings
- Easy handling and installation
- Robust and compact construction for long life
- Automatic venting
- Silent operation
- Possibility of housing with cataphoresis
- Twin pump option
- Twin pump option with SAN - bronze housing

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



NMT	DN	Fitting length	N. Pressure	Weight	Code	Euro
NMT 50 F	50	280 mm	PN 6/10 bar	31 kg	979522737	1.560,00 €
NMTD 50 F	50	280 mm	PN 6/10 bar	60 kg	979522745	2.917,00 €
NMT SAN 50 F	50	280 mm	PN 6/10 bar	33 kg	979523200	2.231,00 €

Dimensions	h	DN	b1	b4	l	a
NMT 50 F	280	50	189		355	70
NMTD 50 F	280	50		403	355	70
NMT SAN 50 F	280	50	189		355	70



TECHNICAL DATA

Flow Q up to 39 m³/h

Pressure H up to 13 m

Power 26 - 800 Watt

Nominal pressure 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
- Built-in motor protection
- Methods of control:
  - Current control (limit current)
  - Power control (limit power)
  - Constant pressure control (Δp-c)
  - Proportional pressure control (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 65 F

NMT

PERFORMANCE

High efficiency ECM motor series pumps with canned motor and permanent magnets. Variable and constant pressure control through Ethernet connection. For use in water system according to requirements of VDI 2035.

APPLICATIONS

Heating system, air condition systems, closed loop cooling system and industrial circulatory systems. With bronze casting - SAN version, for use in drinking water circulation systems.

OPERATION

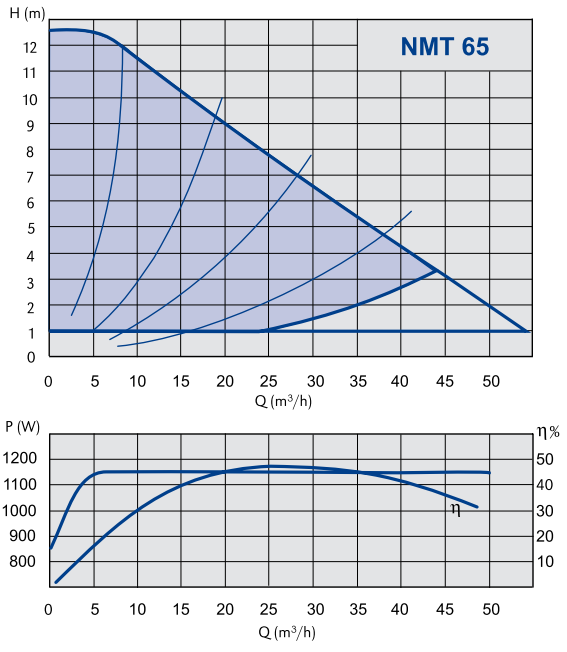
Δp-Proportional pressure control

The pump proportionally adjust the pressure, according to system resistance. Guaranteeing minimal power and energy consumptions.

PRODUCT DESCRIPTION

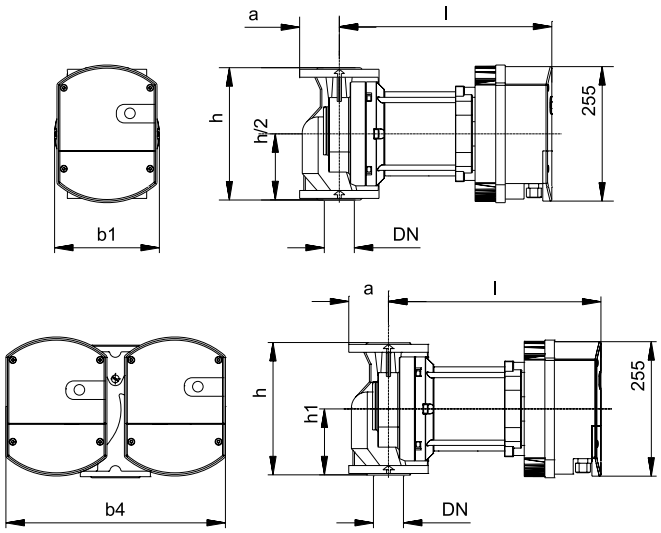
- Efficiency ECM technology
- Energy savings
- Easy handling and installation
- Robust and compact construction for long life
- Automatic venting
- Silent operation
- Possibility of housing with cataphoresis
- Twin pump option
- Twin pump option with SAN - bronze housing

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



NMT	DN	Fitting length	N. Pressure	Weight	Code	Euro
NMT 65 F	65	340 mm	PN 6/10 bar	36 kg	979522738	1.764,00 €
NMTD 65 F	65	340 mm	PN 6/10 bar	63 kg	979522746	3.440,00 €
NMT SAN 65 F	65	340 mm	PN 6/10 bar	38,5 kg	979523201	2.437,00 €

Dimensions	h	DN	b1	b4	l	a
NMT 65 F	340	65	189		369	80
NMTD 65 F	340	65		452	369	80
NMT SAN 65 F	340	65	189		369	80



TECHNICAL DATA

Flow Q up to 65 m³/h

Pressure H up to 13 m

Power 38 - 1100 Watt

Nominal pressure 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
- Built-in motor protection
- Methods of control:
  - Current control (limit current)
  - Power control (limit power)
  - Constant pressure control (Δp-c)
  - Proportional pressure control (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 80 F

NMT

PERFORMANCE

High efficiency ECM motor series pumps with canned motor and permanent magnets. Variable and constant pressure control through Ethernet connection. For use in water system according to requirements of VDI 2035.

APPLICATIONS

Heating system, air condition systems, closed loop cooling system and industrial circulatory systems. With bronze casting - SAN version, for use in drinking water circulation systems.

OPERATION

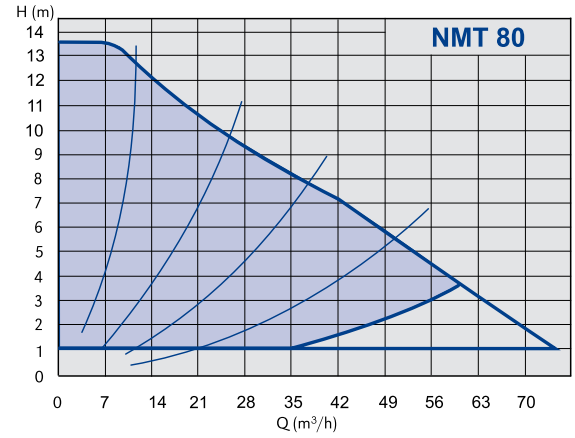
Δp-Proportional pressure control

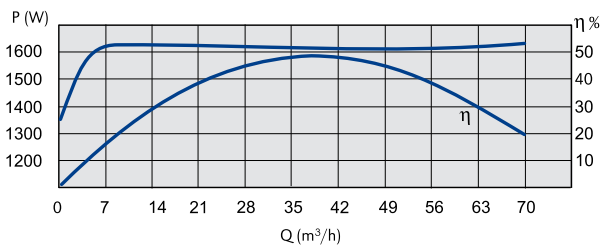
The pump proportionally adjust the pressure, according to system resistance. Guaranteeing minimal power and energy consumptions.

PRODUCT DESCRIPTION

- Efficiency ECM technology
- Energy savings
- Easy handling and installation
- Robust and compact construction for long life
- Automatic venting
- Silent operation
- Possibility of housing with cataphoresis
- Twin pump option

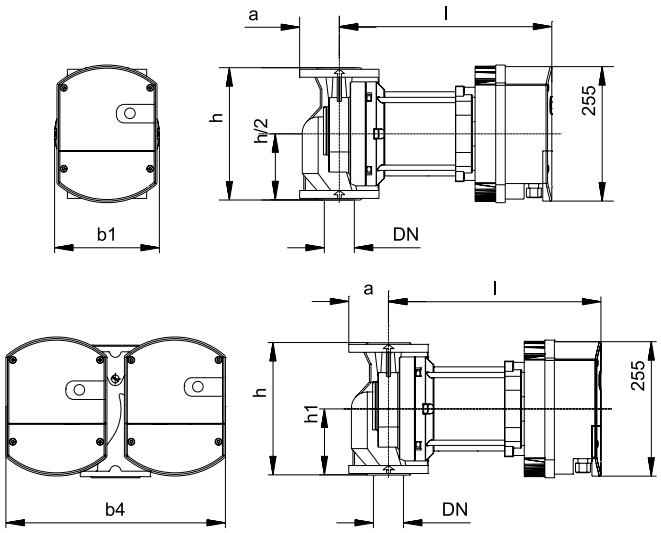
Pump component	Material
Housing	Cast iron
Impeller	Stainless steal
Shaft	Stainless steal
Bearings	Graphite
Separating bush	Stainless steal
Rotor can	Stainless steal





NMT	DN	Fitting length	N. Pressure	Weight	Code	Euro
NMT 80 F	80	360 mm	PN 6 bar	44 kg	979522739	2.184,00 €
NMT 80 F	80	360 mm	PN 10 bar	44 kg	979522740	2.184,00 €
NMTD 80 F	80	360 mm	PN 6 bar	81 kg	979522747	4.259,00 €
NMTD 80 F	80	360 mm	PN 10 bar	81 kg	979522748	4.259,00 €

Dimensions	h	DN	b1	b4	l	a
NMT 80 F	360	80	189		403	100
NMTD 80 F	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 PN6 or PN10

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
- Built-in motor protection
- Methods of control:
  - Current control (limit current)
  - Power control (limit power)
  - Constant pressure control (Δp-c)
  - Proportional pressure control (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 100 F

NMT

PERFORMANCE

High efficiency ECM motor series pumps with canned motor and permanent magnets. Variable and constant pressure control through Ethernet connection. For use in water system according to requirements of VDI 2035.

APPLICATIONS

Heating system, air condition systems, closed loop cooling system and industrial circulatory systems. With bronze casting - SAN version, for use in drinking water circulation systems.

OPERATION

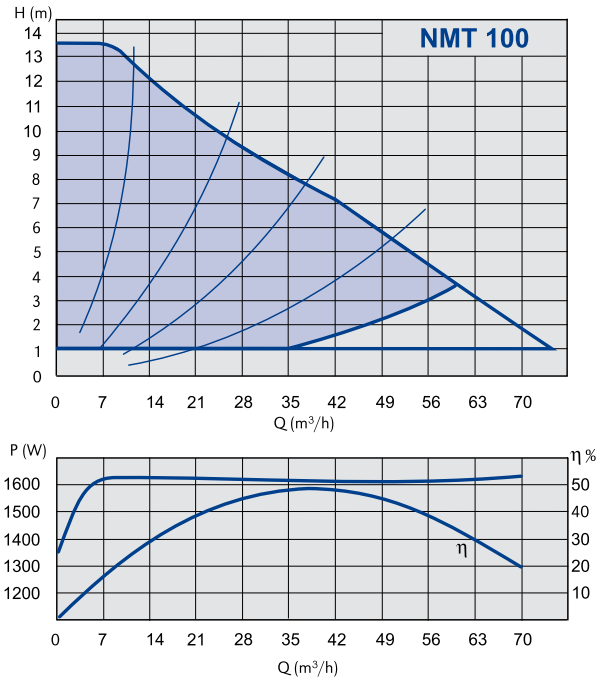
Δp-Proportional pressure control

The pump proportionally adjust the pressure, according to system resistance. Guaranteeing minimal power and energy consumptions.

PRODUCT DESCRIPTION

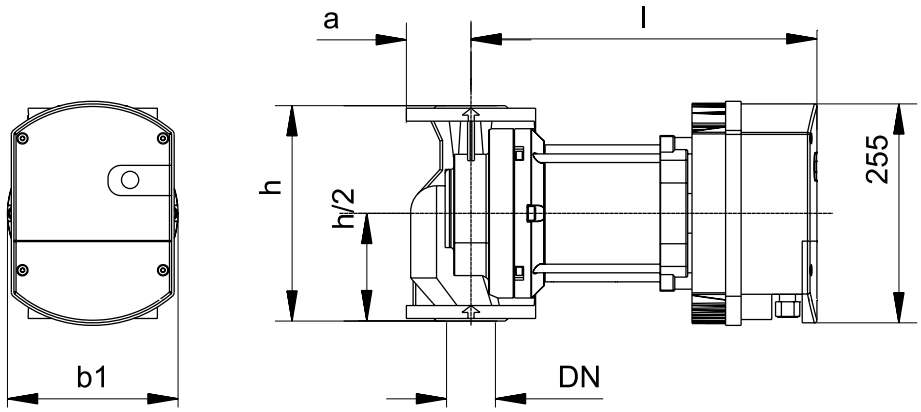
- Efficiency ECM technology
- Energy savings
- Easy handling and installation
- Robust and compact construction for long life
- Automatic venting
- Silent operation
- Possibility of housing with cataphoresis
- Twin pump option

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



NMT	DN	Fitting length	N. Pressure	Weight	Code	Euro
NMT 100 F	100	360 mm	PN 6 bar	47 kg	979522762	2.293,00 €
NMT 100 F	100	360 mm	PN 10 bar	47 kg	979522763	2.293,00 €

Dimensions	L	DN	A	B	C
NMT 100 F	360	100	189	403	110



TECHNICAL DATA

Flow Q up to 78 m³/h

Pressure H up to 13 m

Power 45 - 1600 Watt

Nominal pressure PN6 or PN10

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
- Built-in motor protection
- Methods of control:
  - Current control (limit current)
  - Power control (limit power)
  - Constant pressure control (Δp-c)
  - Proportional pressure control (Δp-v)
  - Option settings QH curve at fixed speeds
  - Constant speed
- Degree of protection: IP 44
- Insulation class H

NEW

HIGH-EFFICIENCY REGULATED FLANGED PUMP NMT LAN 40 F

LAN

PERFORMANCE

High efficiency ECM motor series pumps with canned motor and permanent magnets. Variable and constant pressure control through Ethernet connection and display. For use in water system according to requirements of VDI 2035.

APPLICATIONS

All heating systems, air condition systems, closed loop cooling systems and industrial circulatory systems.

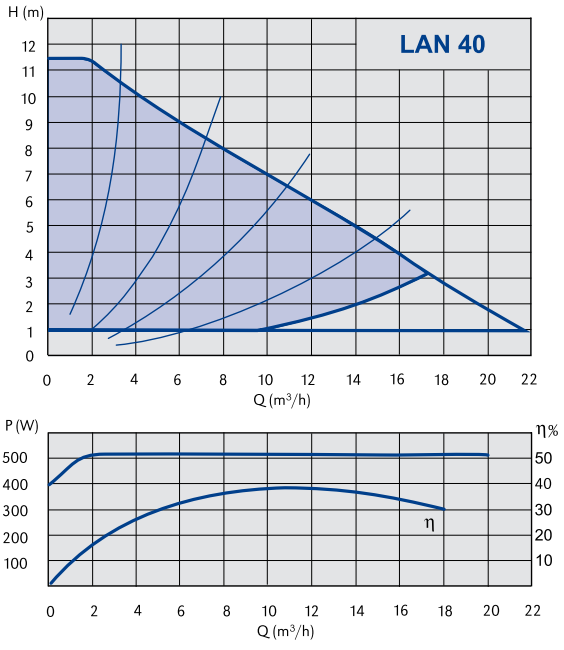
OPERATION

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

PRODUCT DESCRIPTION

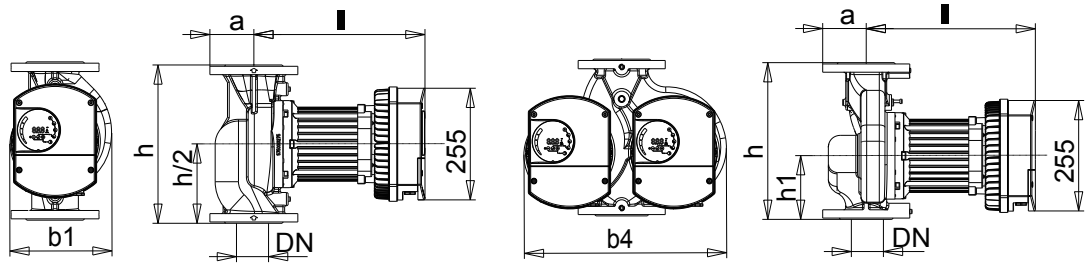
- High efficiency ECM technology
- LED Display for control
- Easy operation and simple installation
- Ethernet connection
- Possibility of housing with cataphoresis
- Twin pump option
- Twin pump option with SAN - bronze housing
- Possibility of NMTC communication module (Ethernet connection, Modbus RTU connection, Analog Control input 0 - 10 V, 3 digital inputs, 1 relay output)

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



NMT	DN	Fitting length	N. Pressure	Weight	Code	Euro
NMT LAN 40 F	40	250 mm	PN 6/10 bar	24 kg	979523460	1.348,00 €
NMT LAN C 40 F	40	250 mm	PN 6/10 bar	24 kg	979523612	1.428,00 €
NMTD LAN 40 F	40	250 mm	PN 6/10 bar	47 kg	979523467	2.422,00 €
NMTD LAN C 40 F	40	250 mm	PN 6/10 bar	47 kg	979523625	2.502,00 €
NMT SAN LAN 40 F	40	250 mm	PN 6/10 bar	26 kg	979523606	1.972,00 €
NMT SAN LAN C 40 F	40	250 mm	PN 6/10 bar	26 kg	979523609	2.052,00 €

Dimensions	L	DN	A	B	C	a
NMT LAN 40 F	250	40	189		321	65
NMT LAN C 40 F	250	40	189		321	65
NMTD LAN 40 F	250	40		403	321	65
NMTD LAN C 40 F	250	40		403	321	65
NMT SAN LAN 40 F	250	40	189		321	65
NMT SAN LAN C 40 F	250	40	189		321	65



TECHNICAL DATA

Flow Q up to 25 m³/h

Pressure H up to 13 m

Power 20 - 500 Watt

Nominal pressure 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
- Built-in motor protection
- Methods of control:
  - Current control (limit current)
  - Power control (limit power)
  - 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

NEW

HIGH-EFFICIENCY REGULATED FLANGED PUMP NMT LAN 50 F

LAN

PERFORMANCE

High efficiency ECM motor series pumps with canned motor and permanent magnets. Variable and constant pressure control through Ethernet connection and display. For use in water system according to requirements of VDI 2035.

APPLICATIONS

All heating systems, air condition systems, closed loop cooling systems and industrial circulatory systems.

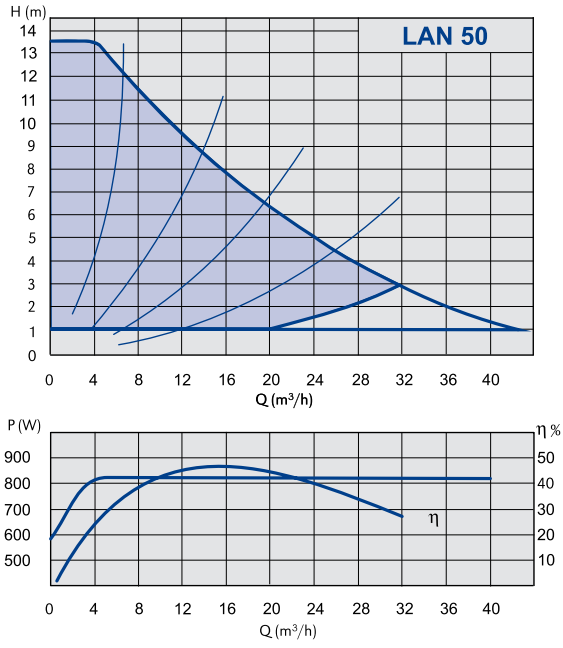
OPERATION

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

PRODUCT DESCRIPTION

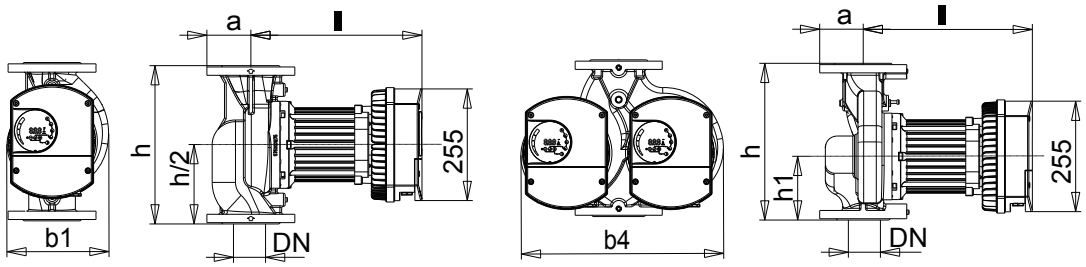
- High efficiency ECM technology
- LED Display for control
- Easy operation and simple installation
- Ethernet connection
- Possibility of housing with cataphoresis
- Twin pump option
- Twin pump option with SAN - bronze housing
- Possibility of NMTC communication module (Ethernet connection, Modbus RTU connection, Analog Control input 0 - 10 V, 3 digital inputs, 1 relay output)

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



NMT	DN	Fitting length	N. Pressure	Weight	Code	Euro
NMT LAN 50 F	50	280 mm	PN 6/10 bar	31 kg	979523461	1.600,00 €
NMT LAN C 50 F	50	280 mm	PN 6/10 bar	31 kg	979523613	1.680,00 €
NMTD LAN 50 F	50	280 mm	PN 6/10 bar	60 kg	979523468	2.997,00 €
NMTD LAN C 50 F	50	280 mm	PN 6/10 bar	60 kg	979523626	3.077,00 €
NMT SAN LAN 50 F	50	280 mm	PN 6/10 bar	33 kg	979523607	2.271,00 €
NMT SAN LAN C 50 F	50	280 mm	PN 6/10 bar	33 kg	979523610	2.351,00 €

Dimensions	L	DN	A	B	C	a
NMT LAN 50 F	280	50	189		355	70
NMT LAN C 50 F	280	50	189		355	70
NMTD LAN 50 F	280	50		403	355	70
NMTD LAN C 50 F	280	50		403	355	70
NMT SAN LAN 50 F	280	50	189		355	70
NMT SAN LAN C 50 F	280	50	189		355	70



TECHNICAL DATA

Flow Q up to 39 m³/h

Pressure H up to 13 m

Power 26 - 800 Watt

Nominal pressure 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
- Built-in motor protection
- Methods of control:
  - Current control (limit current)
  - Power control (limit power)
  - 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

NEW

HIGH-EFFICIENCY REGULATED FLANGED PUMP NMT LAN 65 F

LAN

PERFORMANCE

High efficiency ECM motor series pumps with canned motor and permanent magnets. Variable and constant pressure control through Ethernet connection and display. For use in water system according to requirements of VDI 2035.

APPLICATIONS

All heating systems, air condition systems, closed loop cooling systems and industrial circulatory systems.

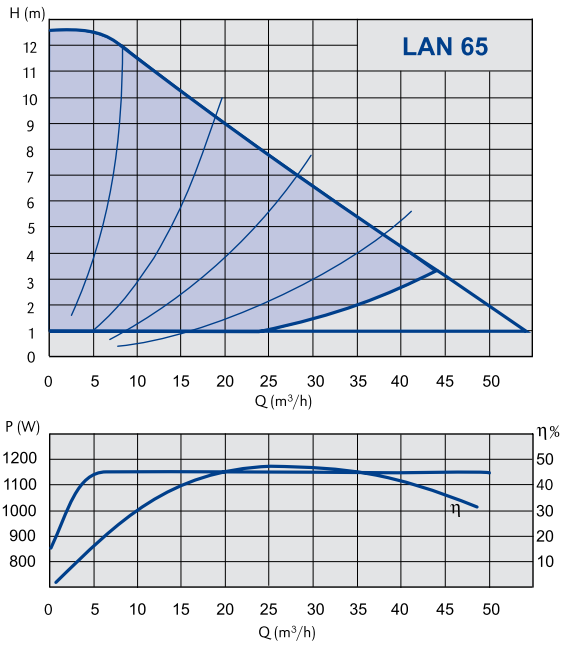
OPERATION

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

PRODUCT DESCRIPTION

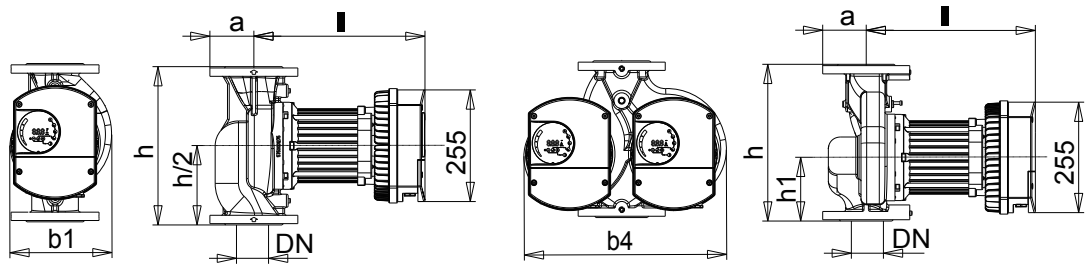
- High efficiency ECM technology
- LED Display for control
- Easy operation and simple installation
- Ethernet connection
- Possibility of housing with cataphoresis
- Twin pump option
- Twin pump option with SAN - bronze housing
- Possibility of NMTC communication module (Ethernet connection, Modbus RTU connection, Analog Control input 0 - 10 V, 3 digital inputs, 1 relay output)

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



NMT	DN	Fitting length	N. Pressure	Weight	Code	Euro
NMT LAN 65 F	65	340 mm	PN 6/10 bar	36 kg	979523462	1.804,00 €
NMT LAN C 65 F	65	340 mm	PN 6/10 bar	36 kg	979523614	1.884,00 €
NMTD LAN 65 F	65	340 mm	PN 6/10 bar	63 kg	979523469	3.520,00 €
NMTD LAN C 65 F	65	340 mm	PN 6/10 bar	63 kg	979523627	3.600,00 €
NMT SAN LAN 65 F	65	340 mm	PN 6/10 bar	38,5 kg	979523608	2.477,00 €
NMT SAN LAN C 65 F	65	340 mm	PN 6/10 bar	38,5 kg	979523611	2.557,00 €

Dimensions	L	DN	A	B	C	a
NMT LAN 65 F	340	65	189		369	80
NMT LAN C 65 F	340	65	189		369	80
NMTD LAN 65 F	340	65		452	369	80
NMTD LAN C 65 F	340	65		452	369	80
NMT SAN LAN 65 F	340	65	189		369	80
NMT SAN LAN C 65 F	340	65	189		369	80



TECHNICAL DATA

Flow Q up to 65 m³/h

Pressure H up to 13 m

Power 38 - 1100 Watt

Nominal pressure 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
- Built-in motor protection
- Methods of control:
  - Current control (limit current)
  - Power control (limit power)
  - 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

NEW

HIGH-EFFICIENCY REGULATED FLANGED PUMP NMT LAN 80 F

LAN

PERFORMANCE

High efficiency ECM motor series pumps with canned motor and permanent magnets. Variable and constant pressure control through Ethernet connection and display. For use in water system according to requirements of VDI 2035.

APPLICATIONS

All heating systems, air condition systems, closed loop cooling systems and industrial circulatory systems.

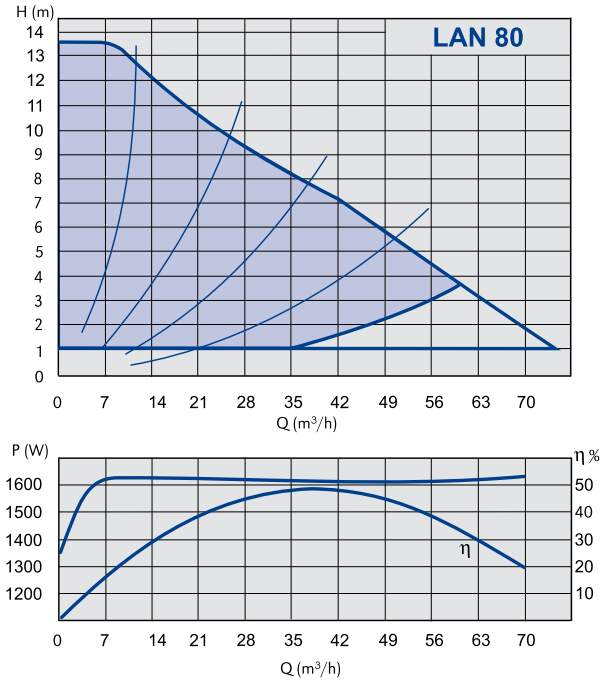
OPERATION

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

PRODUCT DESCRIPTION

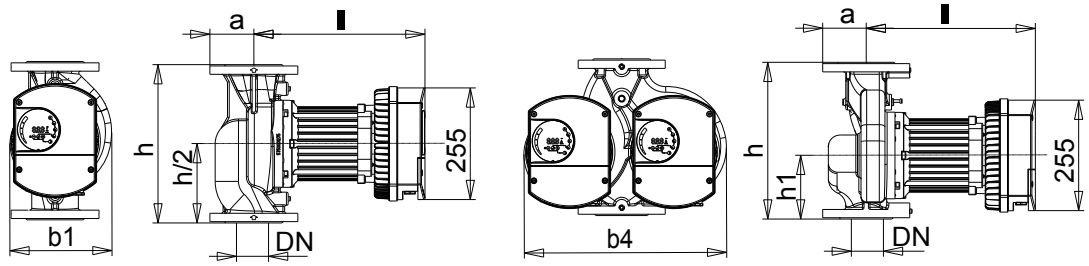
- High efficiency ECM technology
- LED Display for control
- Easy operation and simple installation
- Ethernet connection
- Possibility of housing with cataphoresis
- Twin pump option
- Possibility of NMTC communication module (Ethernet connection, Modbus RTU connection, Analog Control input 0 - 10 V, 3 digital inputs, 1 relay output)

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



NMT	DN	Fitting length	N. Pressure	Weight	Code	Euro
NMT LAN 80 F	80	360 mm	PN 6 bar	44 kg	979523463	2.224,00 €
NMT LAN C 80 F	80	360 mm	PN 6 bar	44 kg	979523615	2304,00 €
NMT LAN 80 F	80	360 mm	PN 10 bar	44 kg	979523464	2.224,00 €
NMT LAN C 80 F	80	360 mm	PN 10 bar	44 kg	979523616	2.304,00 €
NMTD LAN 80 F	80	360 mm	PN 6 bar	81 kg	979523470	4.339,00 €
NMTD LAN C 80 F	80	360 mm	PN 6 bar	81 kg	979523628	4.419,00 €
NMTD LAN 80 F	80	360 mm	PN 10 bar	81 kg	979523471	4.339,00 €
NMTD LAN C 80 F	80	360 mm	PN 10 bar	81 kg	979523629	4.419,00 €

Dimensions	L	DN	A	B	C	a
NMT LAN 80 F	360	80	189		403	100
NMT LAN C 80 F	360	80	189		403	100
NMTD LAN 80 F	360	80		462	403	100
NMTD LAN C 80 F	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 PN6 or PN10

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
- Built-in motor protection
- Methods of control:
  - Current control (limit current)
  - Power control (limit power)
  - 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

NEW

HIGH-EFFICIENCY REGULATED FLANGED PUMP NMT LAN 100 F

LAN

PERFORMANCE

High efficiency ECM motor series pumps with canned motor and permanent magnets. Variable and constant pressure control through Ethernet connection and display. For use in water system according to requirements of VDI 2035.

APPLICATIONS

All heating systems, air condition systems, closed loop cooling systems and industrial circulatory systems.

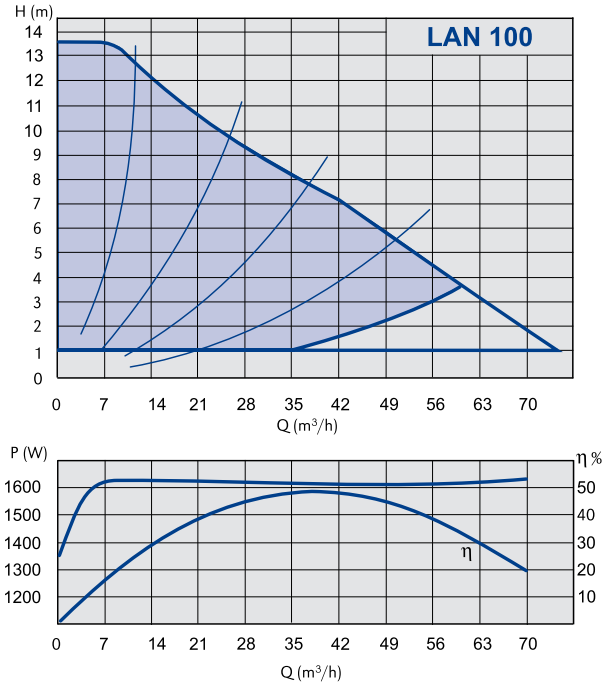
OPERATION

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

PRODUCT DESCRIPTION

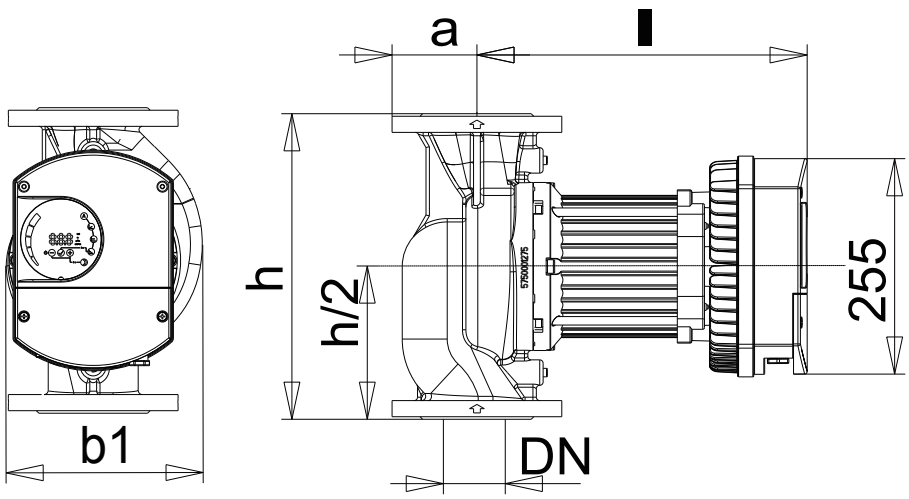
- High efficiency ECM technology
- LED Display for control
- Easy operation and simple installation
- Ethernet connection
- Possibility of housing with cataphoresis
- Possibility of NMTC communication module (Ethernet connection, Modbus RTU connection, Analog Control input 0 - 10 V, 3 digital inputs, 1 relay output)

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



NMT	DN	Fitting length	N. Pressure	Weight	Code	Euro
NMT LAN 100 F	100	360 mm	PN 6 bar	47 kg	979523465	2.333,00 €
NMT LAN C 100 F	100	360 mm	PN 6 bar	47 kg	979523617	2.413,00 €
NMT LAN 100 F	100	360 mm	PN 10 bar	47 kg	979523466	2.333,00 €
NMT LAN C 100 F	100	360 mm	PN 10 bar	47 kg	979523618	2.413,00 €

Dimensions	L	DN	A	B	C	a
NMT LAN 100 F	360	100	189		403	110
NMT LAN C 100 F	360	100	189		403	110



TECHNICAL DATA

Flow Q up to 78 m³/h

Pressure H up to 13 m

Power 45 - 1600 Watt

Nominal pressure PN6 or PN10

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
- Built-in motor protection
- Methods of control:
  - Current control (limit current)
  - Power control (limit power)
  - 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

ECO HIGH-EFFICIENCY REGULATED PUMPS FOR DOMESTIC HOT WATER

SAN

PERFORMANCE

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

APPLICATIONS

The pump automatically adjust the pressure, according to system resistance.

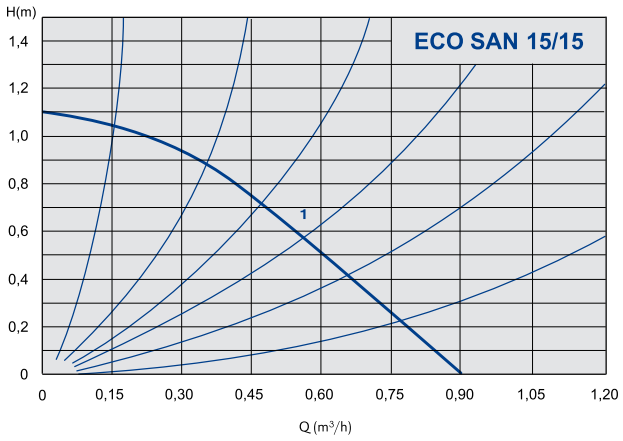
OPERATION

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 DESCRIPTION

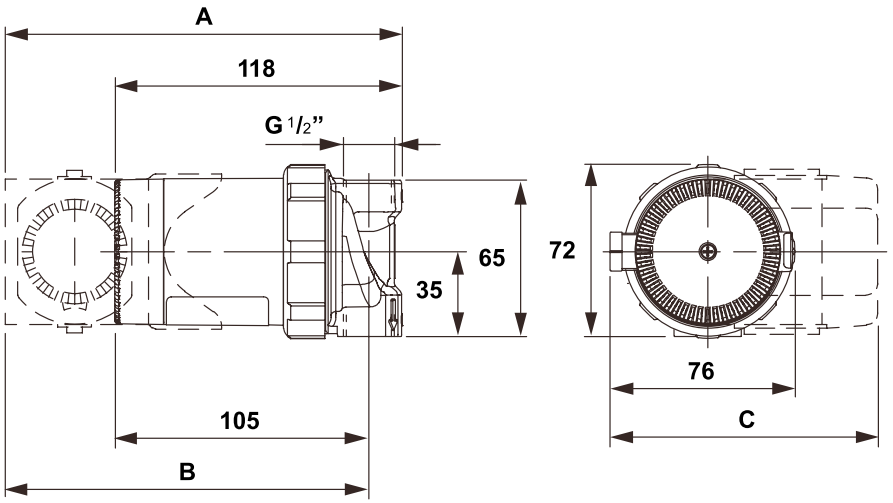
- The high efficiency of the ECM technology
- Energy savings
- 4 possible performances
  - B version with bronze housing
  - BU version with bronze housing and timer
  - BTU model with bronze housing, thermostat and timer
  - GT version with bronze housing and thermostat
- Easy handling and installation
- 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



ECO SAN	DN	Fitting length	N. Pressure	Weight	Code	Euro
15/15 B	15	65 mm	PN 10 bar	0,9 kg	979523230	116,00 €
15/15 BU	15	65 mm	PN 10 bar	1,0 kg	979523231	148,00 €
15/15 BTU	15	65 mm	PN 10 bar	1,0 kg	979523232	193,00 €
15/15 BT	15	65 mm	PN 10 bar	1,0 kg	979523233	141,00 €

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 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

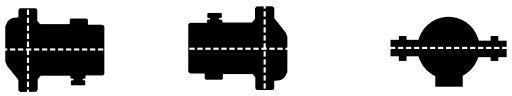
Motor/Electronics

- 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

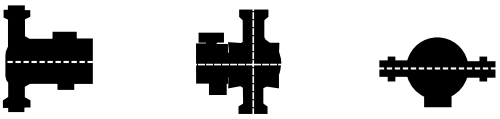
After installing the pump, the motor shafts have to remain in horizontal position.

NMT (SAN)



NMT (SAN)

NMT (SAN)



NMTD (SAN)

ACCESSORIES

Code 871520842	Universal plug NMT SMART series	8,90 €
Code 979523376	Communication module SMART C	120,00 €

NOTES

NOTES

NOTES

THE HONEST PRODUCT FOR THE HONEST PRICE

IMP PUMPS®
IMP PUMPS, d.o.o.
Pod hrasti 28
1218 Komenda
Slovenia

Your contact

9/2013

© KREATiV design