

NEW



## HIGH-EFFICIENCY REGULATED

SMART

## THREADED PUMPS NMT SMART 40

### 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.

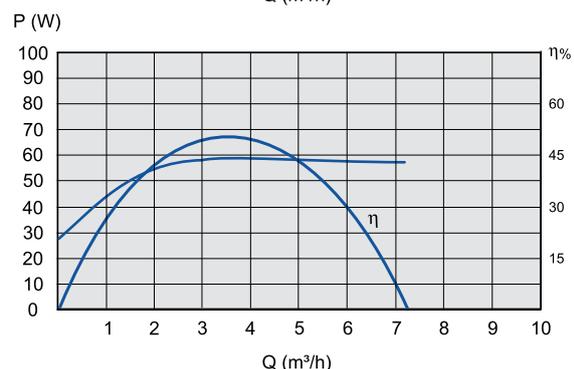
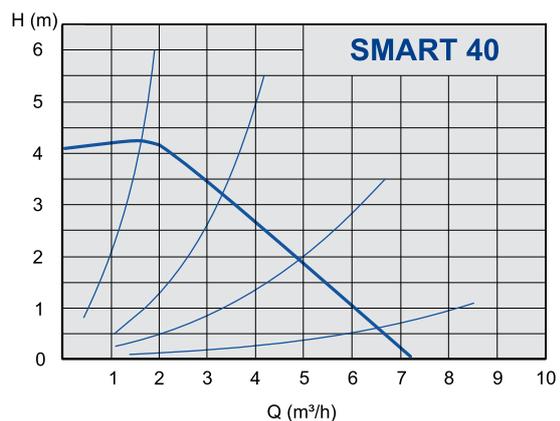
### OPERATION

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

### PRODUCT DESCRIPTION

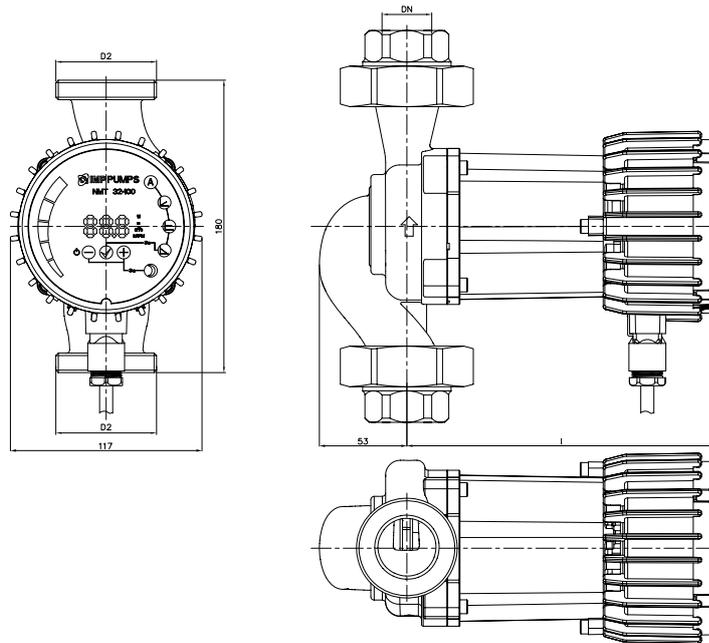
- High efficiency ECM technology
- Energy savings
- LED Display for control
- Easy handling and installation
- Plug & Play
- Robust and compact construction for long life
- Automatic venting
- Low noise operation
- Possibility of housing with cataphoretic
- Twin pump option
- Possibility of NMT communication 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
SMART 25/40	Rp 1	25	180 mm	PN 10 bar	4 kg	979523477
SMART 32/40	Rp 1 ¼	32	180 mm	PN 10 bar	4,1 kg	979523478
SMART C 25/40	Rp 1	25	180 mm	PN 10 bar	4,2 kg	979523488
SMART C 32/40	Rp 1 ¼	32	180 mm	PN 10 bar	4,3 kg	979523489

Dimensions	L	DN	D2	I
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 m<sup>3</sup>/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 °C to +110 °C with max. surroundings temperature up to +40 °C

### Minimum inlet pressure

0,05 bar < 75 °C Temperature of medium

0,28 bar < 90 °C 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

**SMART**

## THREADED PUMPS NMT SMART 60

### 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.

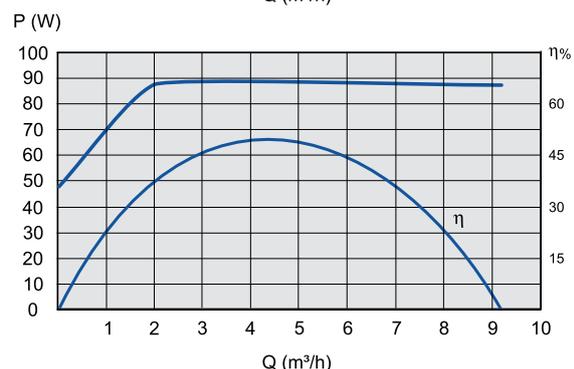
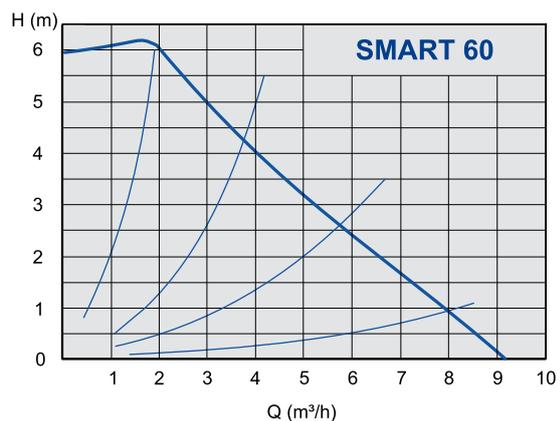
### OPERATION

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

### PRODUCT DESCRIPTION

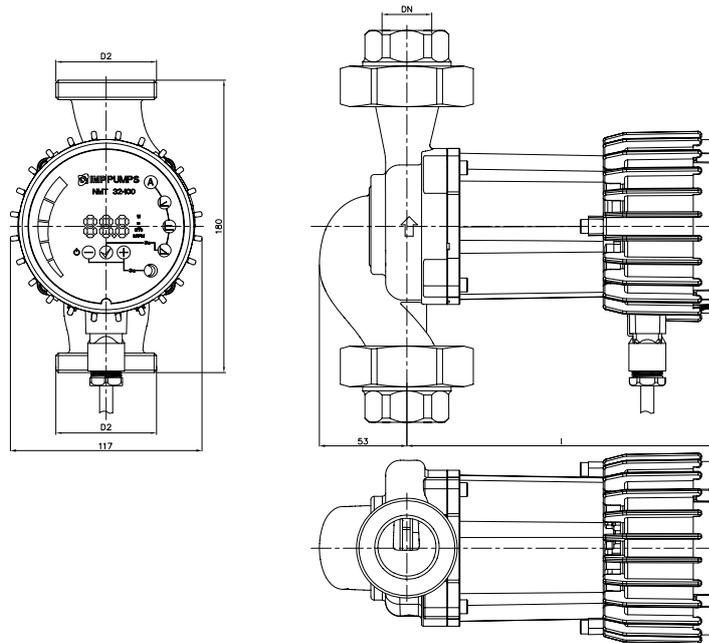
- High efficiency ECM technology
- Energy savings
- LED Display for control
- Easy handling and installation
- Plug & Play
- Robust and compact construction for long life
- Automatic venting
- Low noise operation
- Possibility of housing with cataphoretic
- Twin pump option
- Possibility of NMT communication 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
SMART 25/60	Rp 1	25	180 mm	PN 10 bar	4 kg	979523480
SMART 32/60	Rp 1 ¼	32	180 mm	PN 10 bar	4,1 kg	979523481
SMART C 25/60	Rp 1	25	180 mm	PN 10 bar	4,2 kg	979523491
SMART C 32/60	Rp 1 ¼	32	180 mm	PN 10 bar	4,3 kg	979523492

Dimensions	L	DN	D2	I
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 m<sup>3</sup>/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 °C to +110 °C with max. surroundings temperature up to +40 °C

### Minimum inlet pressure

0,05 bar < 75 °C Temperature of medium  
 0,28 bar < 90 °C 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

**SMART**

## THREADED PUMPS NMT SMART 80

### 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.

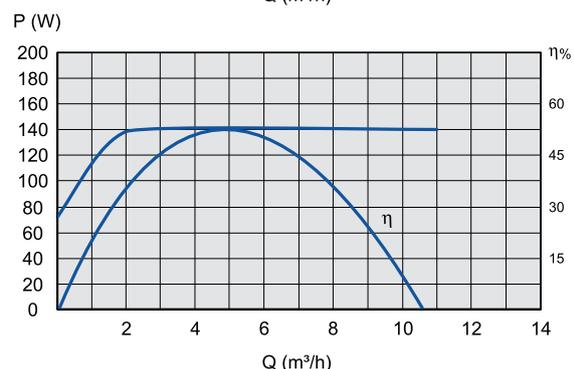
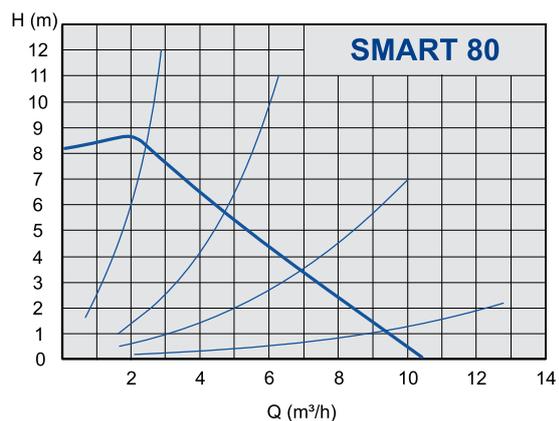
### OPERATION

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

### PRODUCT DESCRIPTION

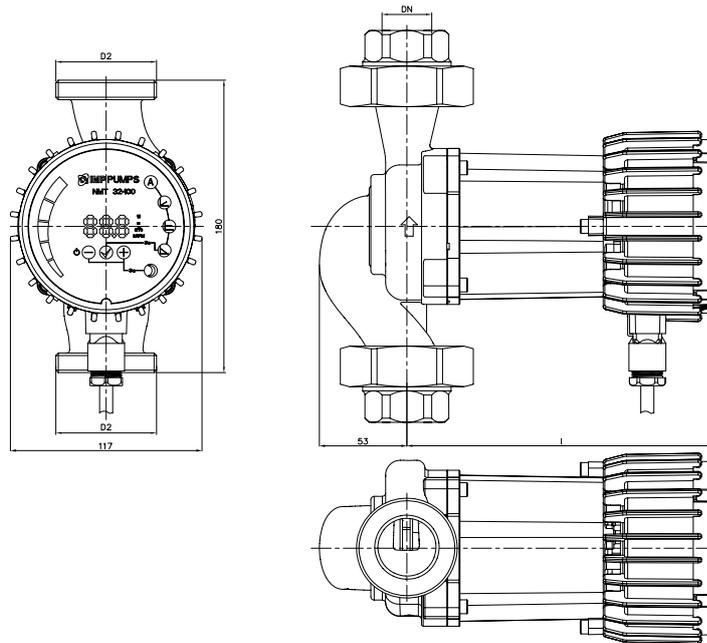
- High efficiency ECM technology
- Energy savings
- LED Display for control
- Easy handling and installation
- Plug & Play
- Robust and compact construction for long life
- Automatic venting
- Low noise operation
- Possibility of housing with cataphoretic
- Twin pump option
- Possibility of NMT communication 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
SMART 25/80	Rp 1	25	180 mm	PN 10 bar	4 kg	979523484
SMART 32/80	Rp 1 ¼	32	180 mm	PN 10 bar	4,1 kg	979523485
SMART C 25/80	Rp 1	25	180 mm	PN 10 bar	4,2 kg	979523495
SMART C 32/80	Rp 1 ¼	32	180 mm	PN 10 bar	4,3 kg	979523496

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 m<sup>3</sup>/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 °C to +110 °C with max. surroundings temperature up to +40 °C

### Minimum inlet pressure

0,05 bar < 75 °C Temperature of medium  
 0,28 bar < 90 °C 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

**SMART**

## THREADED PUMPS NMT SMART 100

### 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.

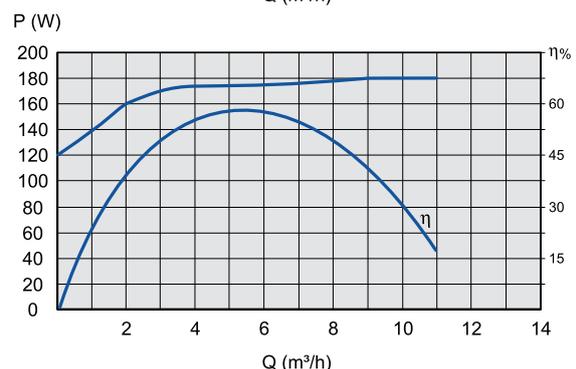
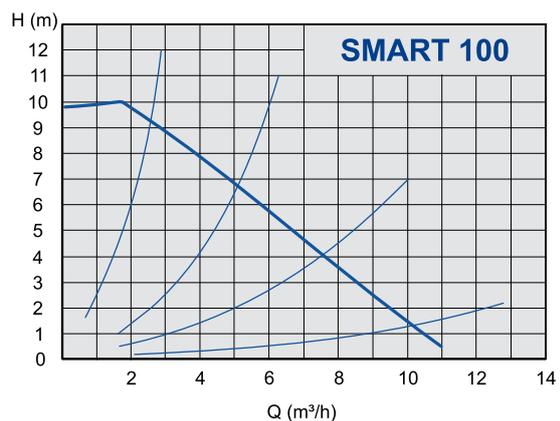
### OPERATION

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

### PRODUCT DESCRIPTION

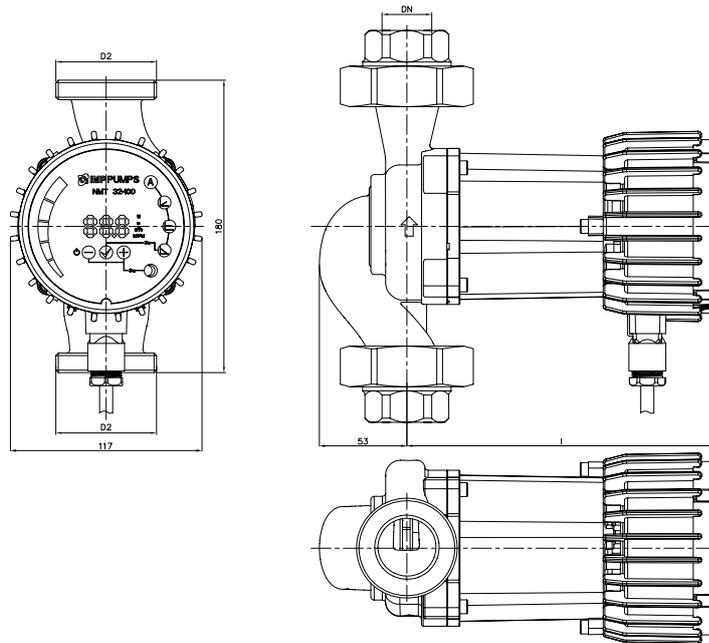
- High efficiency ECM technology
- Energy savings
- LED Display for control
- Easy handling and installation
- Plug & Play
- Robust and compact construction for long life
- Automatic venting
- Low noise operation
- Possibility of housing with cataphoretic
- Twin pump option
- Possibility of NMTC communication 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
SMART 25/100	Rp 1	25	180 mm	PN 10 bar	4 kg	979523301
SMART 32/100	Rp 1 ¼	32	180 mm	PN 10 bar	4,1 kg	979523216
SMART C 25/100	Rp 1	25	180 mm	PN 10 bar	4,2 kg	979523371
SMART C 32/100	Rp 1 ¼	32	180 mm	PN 10 bar	4,3 kg	979523367

Dimensions	L	DN	D2	I
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 m<sup>3</sup>/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 °C to +110 °C with max. surroundings temperature up to +40 °C

### Minimum inlet pressure

0,05 bar < 75 °C Temperature of medium  
 0,28 bar < 90 °C 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 40 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.

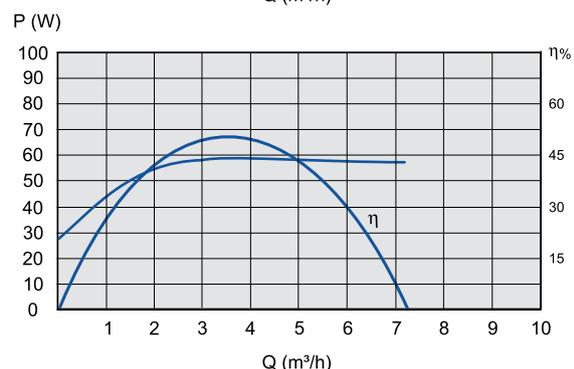
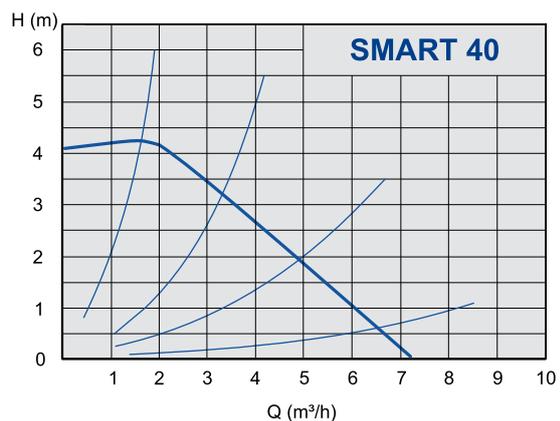
### OPERATION

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

### PRODUCT DESCRIPTION

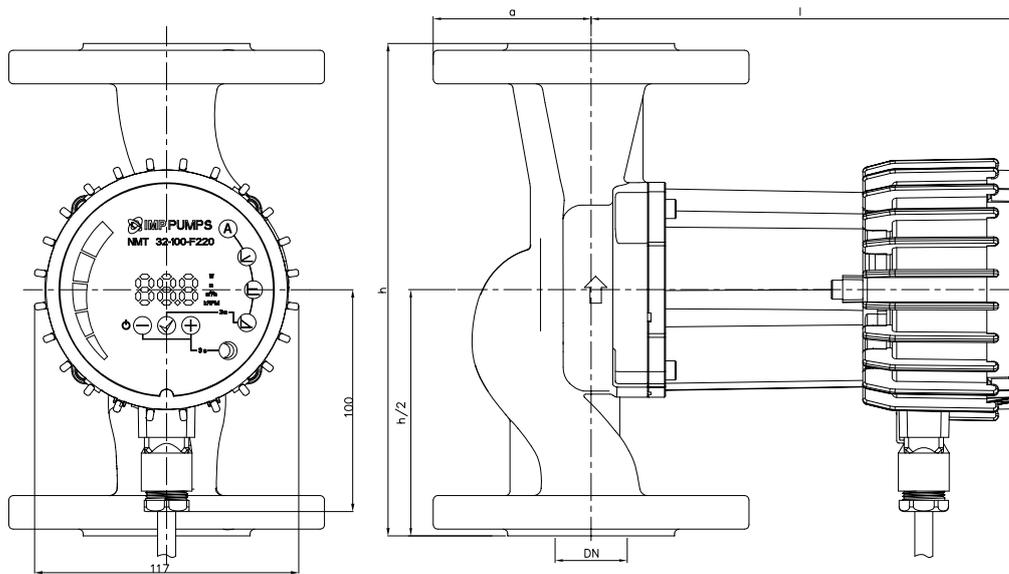
- High efficiency ECM technology
- Energy savings
- LED Display for control
- Easy handling and installation
- Plug & Play
- Robust and compact construction for long life
- Automatic venting
- Low noise operation
- Possibility of housing with cataphoretic
- Twin pump option
- Possibility of NMT communication 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
SMART 32/40 F	32	220 mm	PN 6/10 bar	7,4 kg	979523479
SMART 40/40 F	40	240 mm	PN 6/10 bar	8,5 kg	979523514
SMART C 32/40 F	32	220 mm	PN 6/10 bar	7,6 kg	979523490
SMART C 40/40 F	40	240 mm	PN 6/10 bar	8,7 kg	979523515

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 m<sup>3</sup>/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 °C to +110 °C with max. surroundings temperature up to +40 °C

### Minimum inlet pressure

0,05 bar < 75 °C Temperature of medium

0,28 bar < 90 °C 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 60 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.

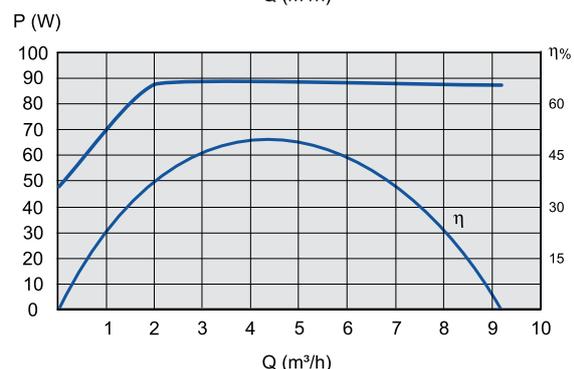
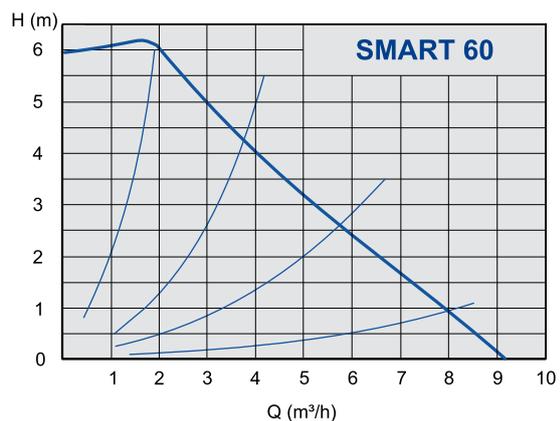
### OPERATION

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

### PRODUCT DESCRIPTION

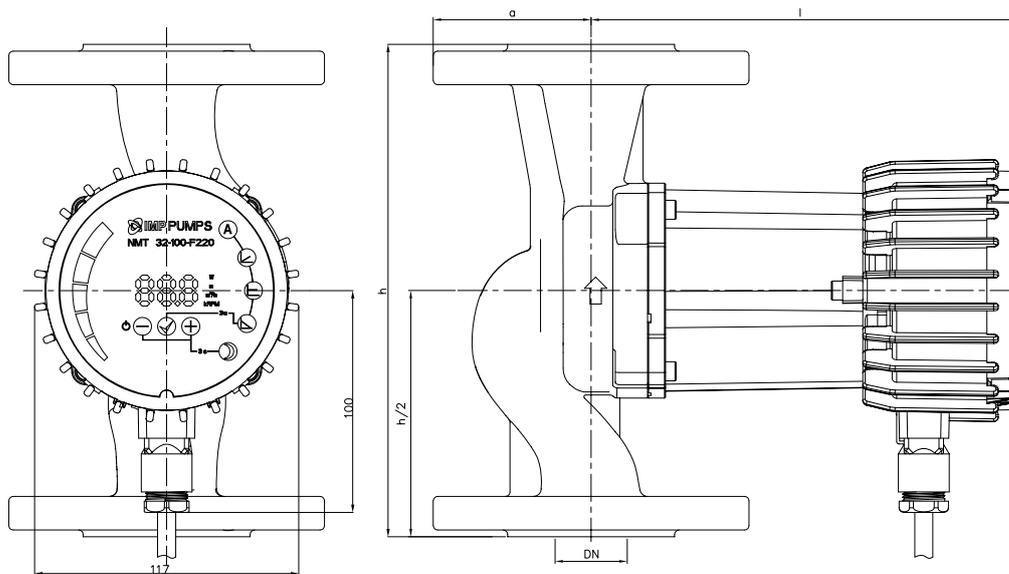
- High efficiency ECM technology
- Energy savings
- LED Display for control
- Easy handling and installation
- Plug & Play
- Robust and compact construction for long life
- Automatic venting
- Low noise operation
- Possibility of housing with cataphoretic
- Twin pump option
- Possibility of NMT communication 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
SMART 32/60 F	32	220 mm	PN 6/10 bar	7,4 kg	979523482
SMART 40/60 F	40	220 mm	PN 6/10 bar	8,5 kg	979523483
SMART C 32/60 F	32	220 mm	PN 6/10 bar	7,6 kg	979523493
SMART C 40/60 F	40	220 mm	PN 6/10 bar	8,7 kg	979523494

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 m<sup>3</sup>/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 °C to +110 °C with max. surroundings temperature up to +40 °C

### Minimum inlet pressure

0,05 bar < 75 °C Temperature of medium

0,28 bar < 90 °C 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.

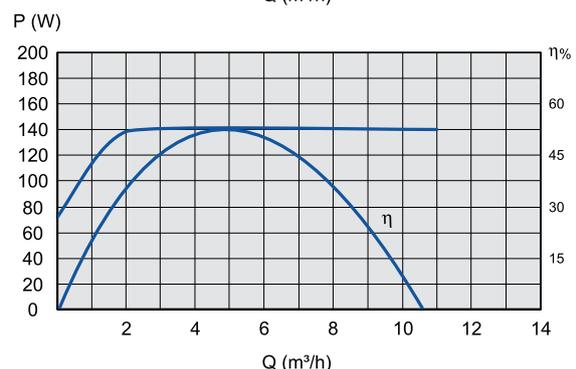
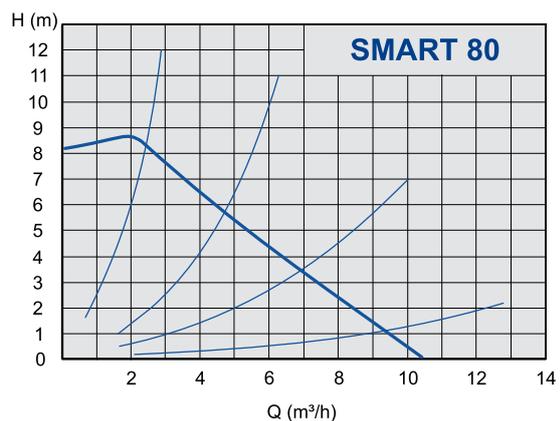
### OPERATION

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

### PRODUCT DESCRIPTION

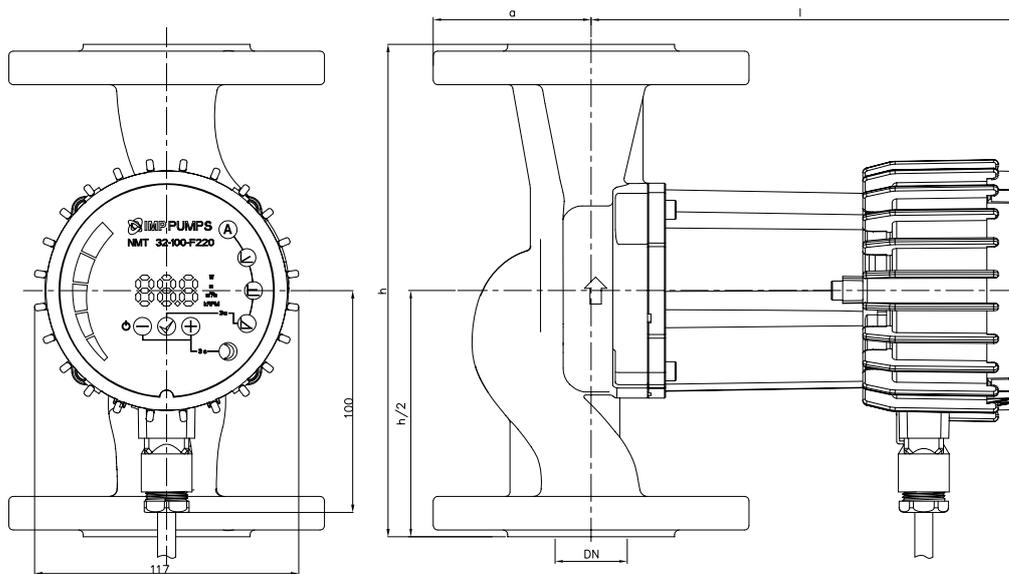
- High efficiency ECM technology
- Energy savings
- LED Display for control
- Easy handling and installation
- Plug & Play
- Robust and compact construction for long life
- Automatic venting
- Low noise operation
- Possibility of housing with cataphoretic
- Twin pump option
- Possibility of NMT communication 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
SMART 32/80 F	32	220 mm	PN 6/10 bar	7,4 kg	979523486
SMART 40/80 F	40	220 mm	PN 6/10 bar	8,5 kg	979523487
SMART C 32/80 F	32	220 mm	PN 6/10 bar	7,6 kg	979523497
SMART C 40/80 F	40	220 mm	PN 6/10 bar	8,7 kg	979523498

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 m<sup>3</sup>/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 °C to +110 °C with max. surroundings temperature up to +40 °C

### Minimum inlet pressure

0,05 bar < 75 °C Temperature of medium  
 0,28 bar < 90 °C 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.

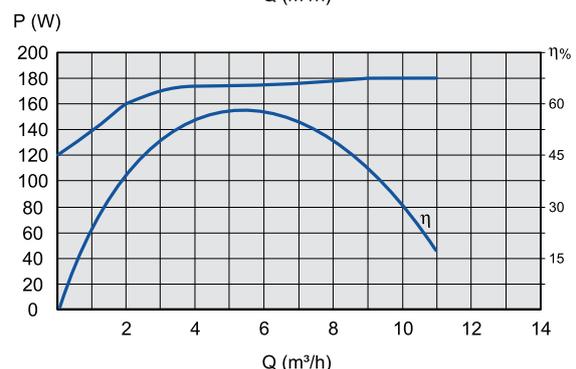
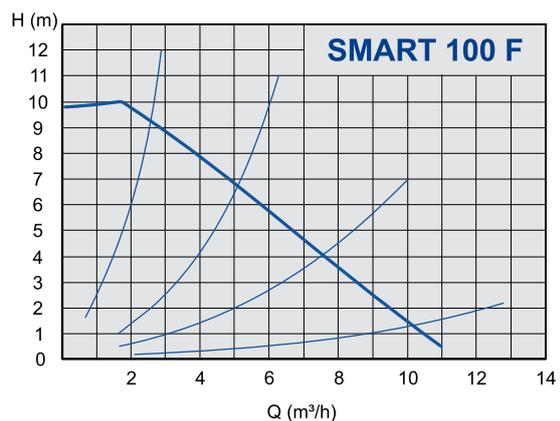
### OPERATION

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

### PRODUCT DESCRIPTION

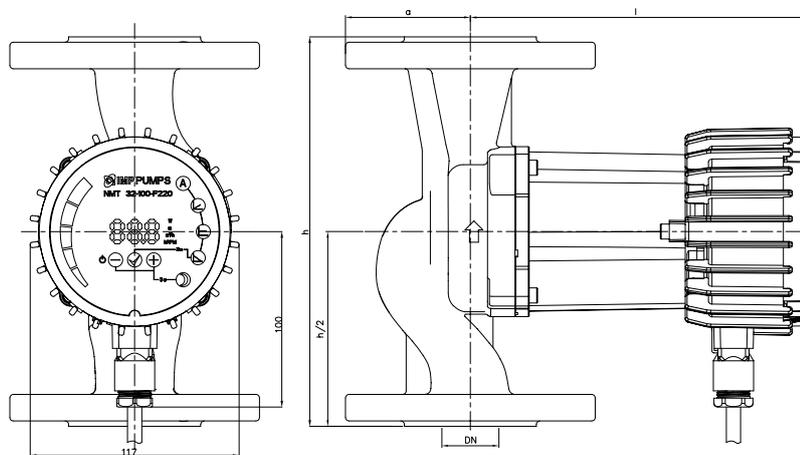
- High efficiency ECM technology
- Energy savings
- LED Display for control
- Easy handling and installation
- Plug & Play
- Robust and compact construction for long life
- Automatic venting
- Low noise operation
- Possibility of housing with cataphoretic
- Twin pump option
- Possibility of NMT communication 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
SMART 32/100 F	32	220 mm	PN 6/10 bar	7,4 kg	979523284
SMART 40/100 F	40	220 mm	PN 6/10 bar	8,5 kg	979523285
SMART 50/100 F	50	240 mm	PN 6/10 bar	9,8 kg	979523286
SMART C 32/100 F	32	220 mm	PN 6/10 bar	7,6 kg	979523368
SMART C 40/100 F	40	220 mm	PN 6/10 bar	8,7 kg	979523369
SMART C 50/100 F	50	240 mm	PN 6/10 bar	10 kg	979523370

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 m<sup>3</sup>/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 °C to +110 °C with max. surroundings temperature up to +40 °C

### Minimum inlet pressure

0,05 bar < 75 °C Temperature of medium  
 0,28 bar < 90 °C 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