CALOR SRL
Str. Progresului nr. 30-40, sector 5, Bucuresti
tel: 021.411.44.44, fax: 021.411.36.14
www.calorserv.ro - www.calor.ro

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.

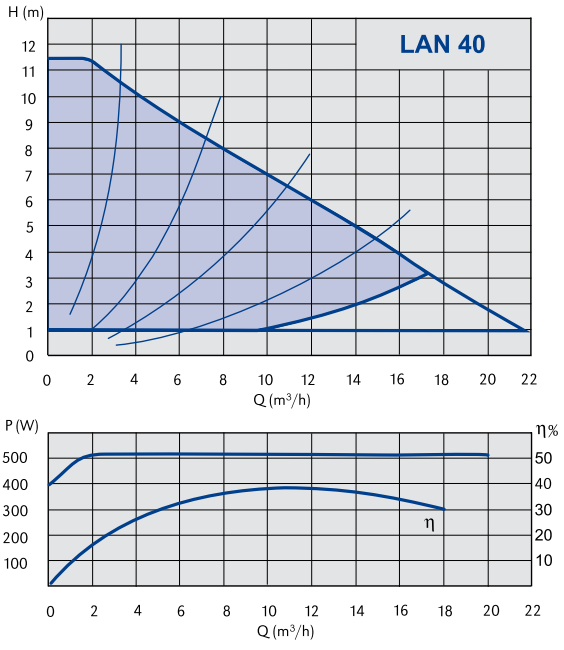
OPERATION

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

PRODUCT DESCRIPTION

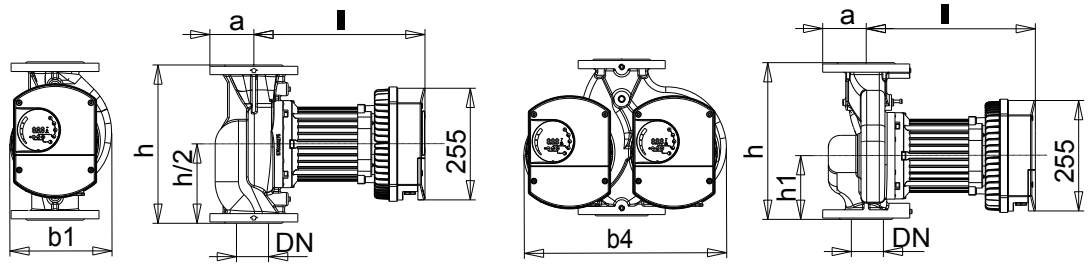
- High efficiency ECM technology
- LED Display for control
- Easy operation and simple installation
- Ethernet connection
- Possibility of housing with cataphoresis
- Twin pump option
- Twin pump option with SAN - bronze housing
- Possibility of NMTC communication module (Ethernet connection, Modbus 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
NMT LAN 40 F	40	250 mm	PN 6/10 bar	24 kg	979523460
NMT LAN C 40 F	40	250 mm	PN 6/10 bar	24 kg	979523612
NMTD LAN 40 F	40	250 mm	PN 6/10 bar	47 kg	979523467
NMTD LAN C 40 F	40	250 mm	PN 6/10 bar	47 kg	979523625
NMT SAN LAN 40 F	40	250 mm	PN 6/10 bar	26 kg	979523606
NMT SAN LAN C 40 F	40	250 mm	PN 6/10 bar	26 kg	979523609

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.

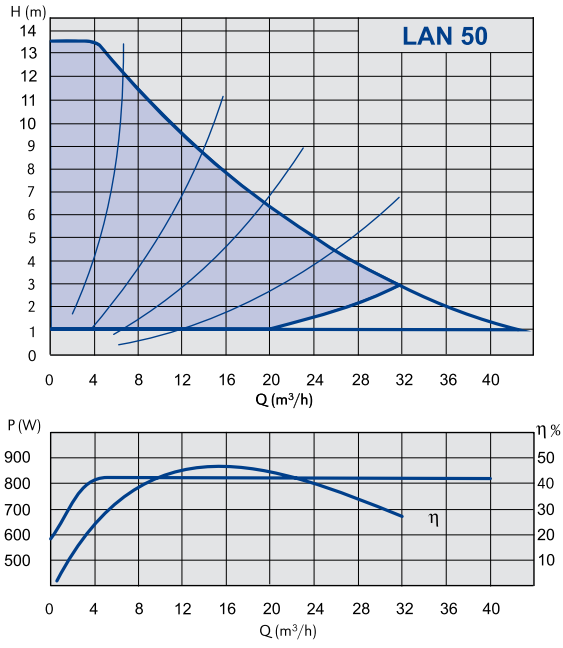
OPERATION

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

PRODUCT DESCRIPTION

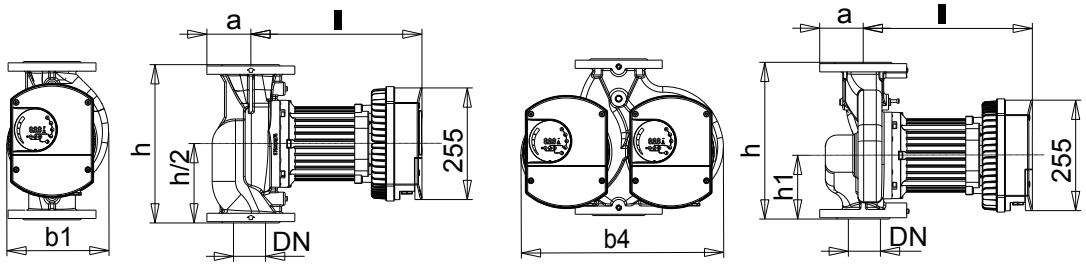
- High efficiency ECM technology
- LED Display for control
- Easy operation and simple installation
- Ethernet connection
- Possibility of housing with cataphoresis
- Twin pump option
- Twin pump option with SAN - bronze housing
- Possibility of NMTC communication module (Ethernet connection, Modbus 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
NMT LAN 50 F	50	280 mm	PN 6/10 bar	31 kg	979523461
NMT LAN C 50 F	50	280 mm	PN 6/10 bar	31 kg	979523613
NMTD LAN 50 F	50	280 mm	PN 6/10 bar	60 kg	979523468
NMTD LAN C 50 F	50	280 mm	PN 6/10 bar	60 kg	979523626
NMT SAN LAN 50 F	50	280 mm	PN 6/10 bar	33 kg	979523607
NMT SAN LAN C 50 F	50	280 mm	PN 6/10 bar	33 kg	979523610

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.

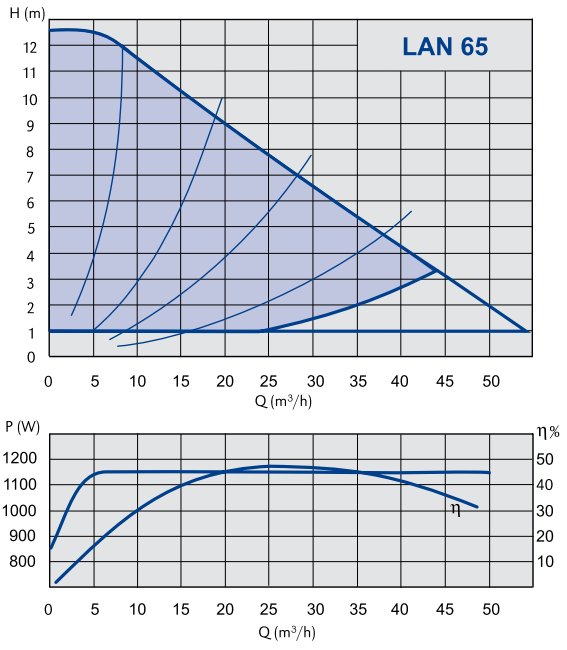
OPERATION

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

PRODUCT DESCRIPTION

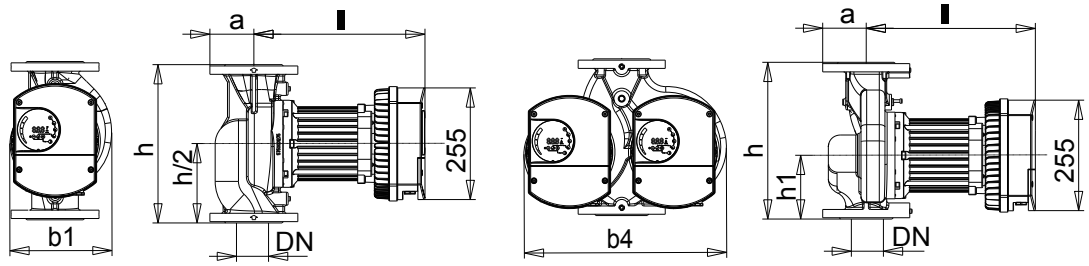
- High efficiency ECM technology
- LED Display for control
- Easy operation and simple installation
- Ethernet connection
- Possibility of housing with cataphoresis
- Twin pump option
- Twin pump option with SAN - bronze housing
- Possibility of NMTC communication module (Ethernet connection, Modbus 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
NMT LAN 65 F	65	340 mm	PN 6/10 bar	36 kg	979523462
NMT LAN C 65 F	65	340 mm	PN 6/10 bar	36 kg	979523614
NMTD LAN 65 F	65	340 mm	PN 6/10 bar	63 kg	979523469
NMTD LAN C 65 F	65	340 mm	PN 6/10 bar	63 kg	979523627
NMT SAN LAN 65 F	65	340 mm	PN 6/10 bar	38,5 kg	979523608
NMT SAN LAN C 65 F	65	340 mm	PN 6/10 bar	38,5 kg	979523611

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.

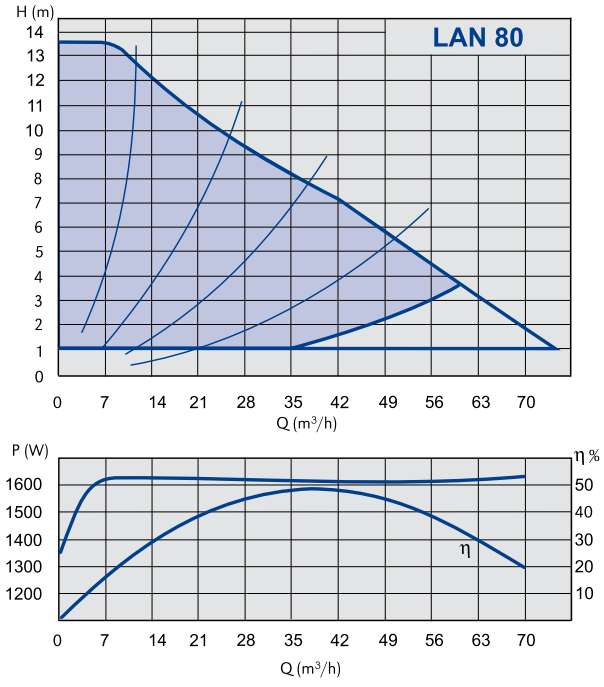
OPERATION

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

PRODUCT DESCRIPTION

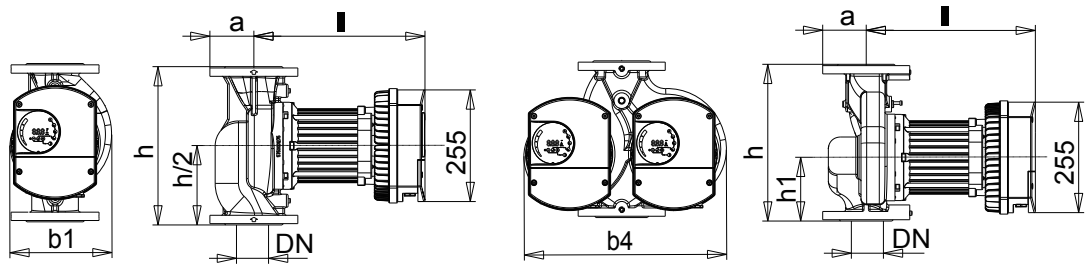
- High efficiency ECM technology
- LED Display for control
- Easy operation and simple installation
- Ethernet connection
- Possibility of housing with cataphoresis
- Twin pump option
- Possibility of NMTC communication module (Ethernet connection, Modbus RTU connection, Analog Control input 0 - 10 V, 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
NMT LAN 80 F	80	360 mm	PN 6 bar	44 kg	979523463
NMT LAN C 80 F	80	360 mm	PN 6 bar	44 kg	979523615
NMT LAN 80 F	80	360 mm	PN 10 bar	44 kg	979523464
NMT LAN C 80 F	80	360 mm	PN 10 bar	44 kg	979523616
NMTD LAN 80 F	80	360 mm	PN 6 bar	81 kg	979523470
NMTD LAN C 80 F	80	360 mm	PN 6 bar	81 kg	979523628
NMTD LAN 80 F	80	360 mm	PN 10 bar	81 kg	979523471
NMTD LAN C 80 F	80	360 mm	PN 10 bar	81 kg	979523629

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.

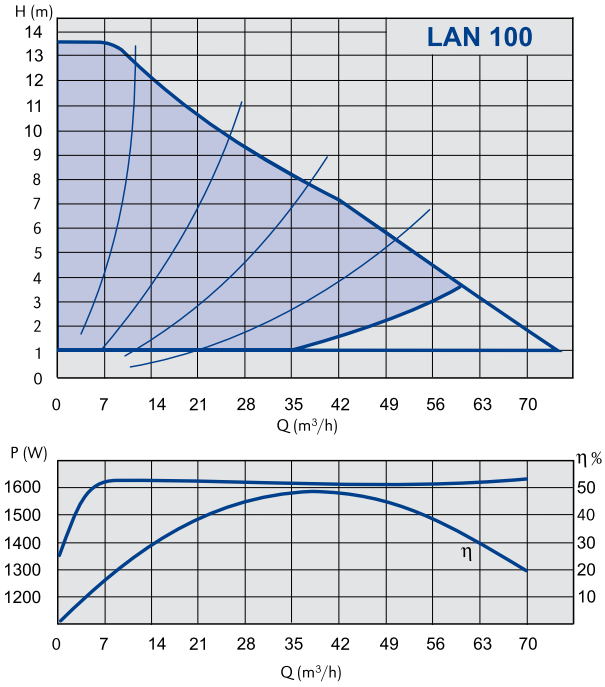
OPERATION

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

PRODUCT DESCRIPTION

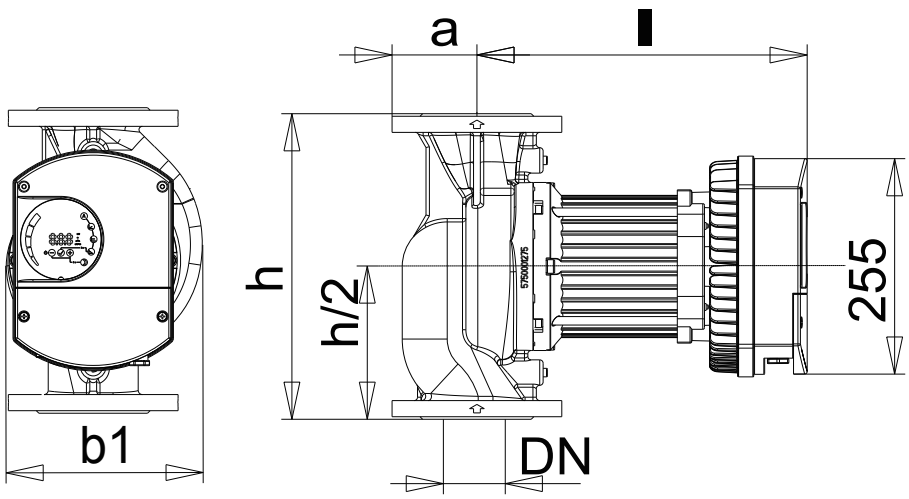
- High efficiency ECM technology
- LED Display for control
- Easy operation and simple installation
- Ethernet connection
- Possibility of housing with cataphoresis
- Possibility of NMTC communication module (Ethernet connection, Modbus RTU connection, Analog Control input 0 - 10 V, 3 digital inputs, 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
NMT LAN 100 F	100	360 mm	PN 6 bar	47 kg	979523465
NMT LAN C 100 F	100	360 mm	PN 6 bar	47 kg	979523617
NMT LAN 100 F	100	360 mm	PN 10 bar	47 kg	979523466
NMT LAN C 100 F	100	360 mm	PN 10 bar	47 kg	979523618

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