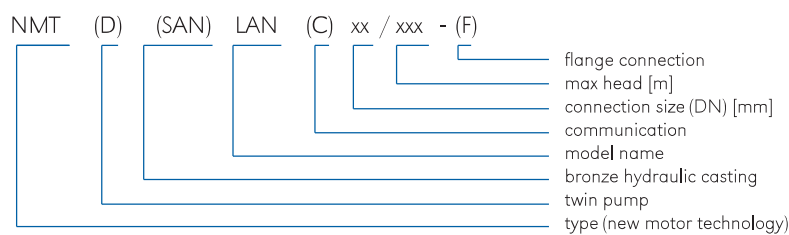


NMT LAN



Electronically controlled wet running circulating pump

For all heating systems, air conditioning, closed cooling circuits and industrial systems, used in accordance with VDI 2035 and ErP.

High efficient wet running pump with auto adapt function

- ECM permanent magnet technology with high energy efficiency
- LED display for control
- Integrated web server for controlling pumps
- built-in electric and thermal protection
- easy handling and installation, low noise operation and automatic venting
- robust and compact construction for long life

Automatic operation

- Immediate adaptation to the system

Manual adjustment

- Proportional pressure, constant pressure, constant speed, night mode

Communication

NMT LAN - Ethernet, 2 digital inputs, 1 relay output
 NMT LAN C - Ethernet, Modbus RTU, 3 analog inputs/outputs (0-10V), 1 relay output

Technical specification

Q _{max}	up to 78 m ³ /h
H _{max}	up to 18 m
p	PN 6/10 bar
DN	40/50/65/80/100
Installation	flange
Insulation class	H
Degree of protection	IP 44
Voltage	1 - 230V, 50 Hz

Minimum inlet pressure

0.05 bar < 50 °C (fluid temperature)
 0.8 bar < 80 °C (fluid temperature)
 1,4 bar < 110 (fluid temperature)

Material

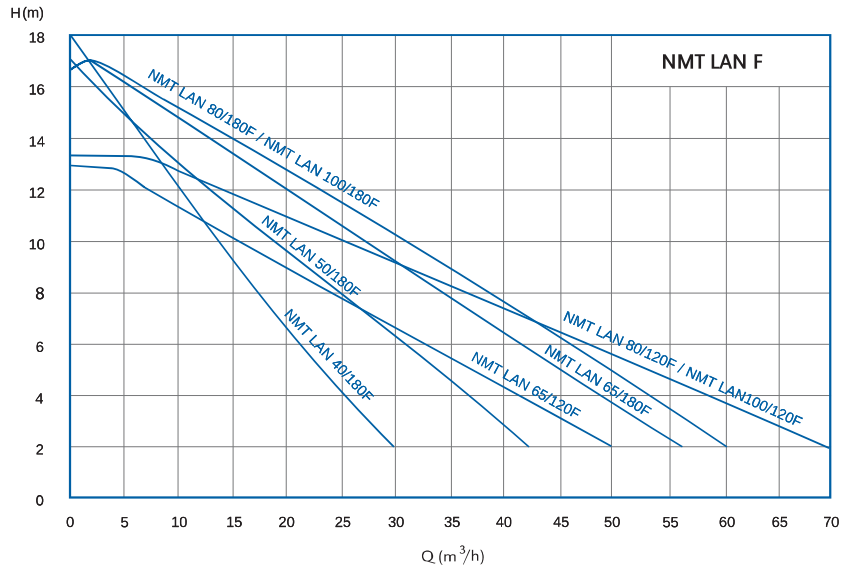
Hydraulic casing	cast iron/bronze
Impeller	stainless steel AISI 316
Shaft	stainless steel AISI 316
Bearings	graphit
Rotor can	stainless steel AISI 316

Permissible mediums

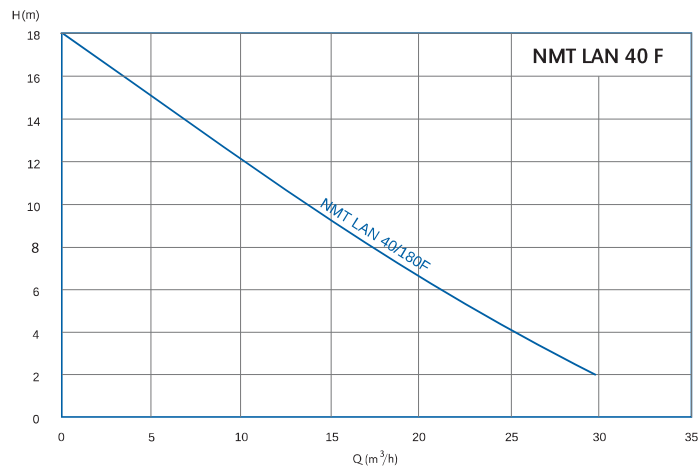
Water, mixed with glycol, parameters must be checked in the mixture of water with over 20% of glycol.
 Pure, non-explosive liquid media free of mineral oils and solid particles. Medium temperature from - 10 °C to + 110 °C, ambient temperature with max. surroundings temperature 40 °C.

Performance range

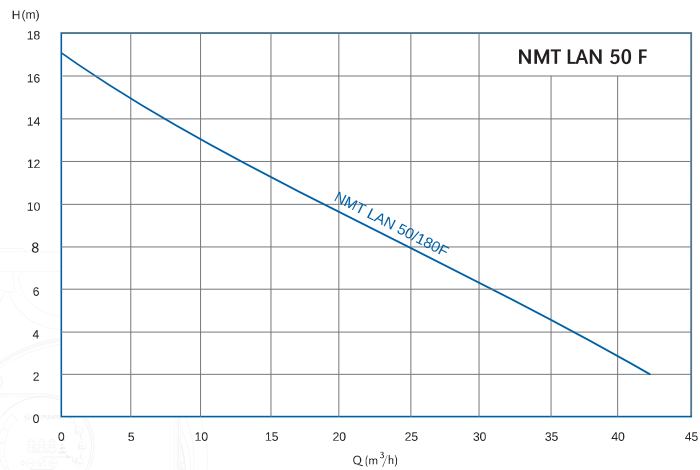
NMT LAN F



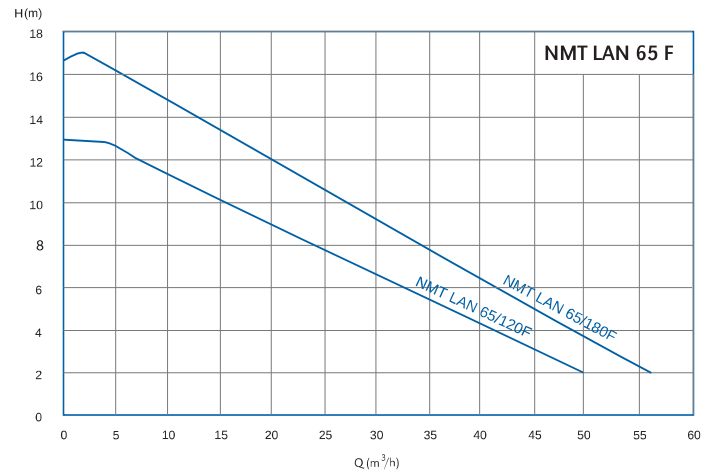
NMT LAN 40 F



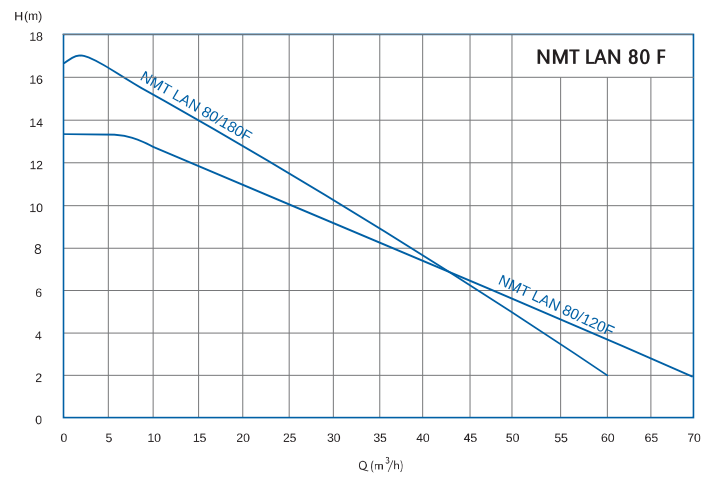
NMT LAN 50 F



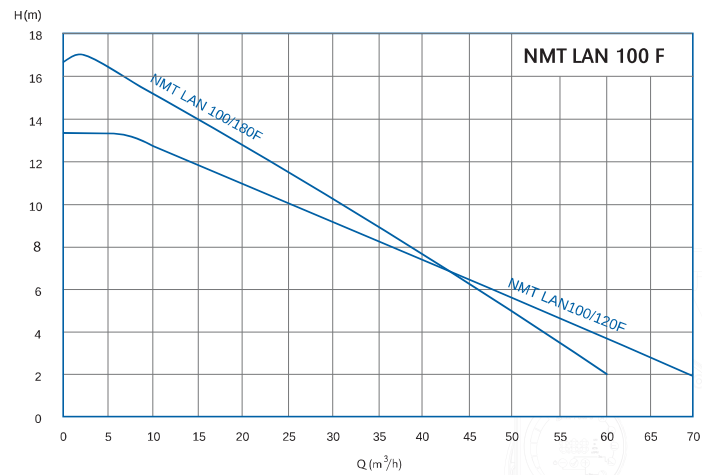
NMT LAN 65 F



NMT LAN 80 F



NMT LAN 100 F



NMT LAN xx F - flanged pumps

Code	Type	EEl	Fitting length L [mm]	Pipe connection	PN	P _{max} [W]	Weight [kg]
979523651	NMT LAN 40/180 F250	≤ 0,23	250	DN40	PN6/10	800	30,5
979523652	NMT LAN 50/180 F280	≤ 0,23	280	DN50	PN6/10	1100	35,2
979523462	NMT LAN 65/120 F340	≤ 0,23	340	DN65	PN6/10	1100	35,2
979523653	NMT LAN 65/180 F340	≤ 0,23	340	DN65	PN6/10	1500	42,1
979523463	NMT LAN 80/120 F360 PN6	≤ 0,23	360	DN80	PN6	1600	42,1
979523464	NMT LAN 80/120 F360 PN10	≤ 0,23	360	DN80	PN10	1600	42,1
979523654	NMT LAN 80/180 F360 PN6	≤ 0,23	360	DN80	PN6	1600	42,1
979523655	NMT LAN 80/180 F360 PN10	≤ 0,23	360	DN80	PN10	1600	42,1
979523465	NMT LAN 100/120 F360 PN6	≤ 0,23	360	DN100	PN6	1600	42,1
979523466	NMT LAN 100/120 F360 PN10	≤ 0,23	360	DN100	PN10	1600	42,1
979523656	NMT LAN 100/180 F360 PN6	≤ 0,23	360	DN100	PN6	1600	42,1
979523657	NMT LAN 100/180 F360 PN10	≤ 0,23	360	DN100	PN10	1600	42,1

NMT LAN C xx F - flanged pumps with communication module

Code	Type	EEl	Fitting length L [mm]	Pipe connection	PN	P _{max} [W]	Weight [kg]
979523714	NMT LAN C 40/180 F250	≤ 0,23	250	DN40	PN6/10	800	30,5
979523715	NMT LAN C 50/180 F280	≤ 0,23	280	DN50	PN6/10	1000	35,2
979523614	NMT LAN C 65/120 F340	≤ 0,23	340	DN65	PN6/10	1100	35,2
979523716	NMT LAN C 65/180 F340	≤ 0,23	340	DN65	PN6/10	1500	42,1
979523615	NMT LAN C 80/120 F360 PN 6	≤ 0,23	360	DN80	PN6	1600	42,1
979523616	NMT LAN C 80/120 F360 PN 10	≤ 0,23	360	DN80	PN10	1600	42,1
979523717	NMT LAN C 80/180 F360 PN 6	≤ 0,23	360	DN80	PN6	1600	42,1
979523718	NMT LAN C 80/180 F360 PN 10	≤ 0,23	360	DN80	PN10	1600	42,1
979523617	NMT LAN C 100/120 F360 PN 6	≤ 0,23	360	DN100	PN6	1600	42,1
979523618	NMT LAN C 100/120 F360 PN 10	≤ 0,23	360	DN100	PN10	1600	42,1
979523719	NMT LAN C 100/180 F360 PN 6	≤ 0,23	360	DN100	PN6	1600	42,1
979523720	NMT LAN C 100/180 F360 PN 10	≤ 0,23	360	DN100	PN10	1600	42,1

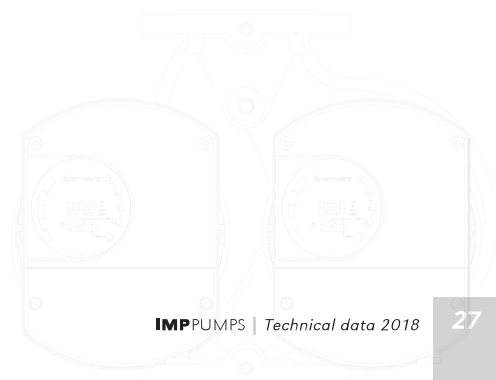


NMTD LAN xx F - twin pumps

Code	Type	EEI	Fitting length L [mm]	Pipe connection	PN	P _{max} [W]	Weight [kg]
979523658	NMTD LAN 40/180 F250	≤ 0,23	250	DN40	PN6/10	2x800	73,7
979523659	NMTD LAN 50/180 F280	≤ 0,23	280	DN50	PN6/10	2x1100	73,7
979523469	NMTD LAN 65/120 F340	≤ 0,23	340	DN65	PN6/10	2x1100	73,7
979523660	NMTD LAN 65/180 F340	≤ 0,23	340	DN65	PN6/10	2x1500	73,7
979523470	NMTD LAN 80/120 F360 PN 6	≤ 0,23	360	DN80	PN6	2x1600	87,2
979523471	NMTD LAN 80/120 F360 PN 10	≤ 0,23	360	DN80	PN10	2x1600	87,2
979523661	NMTD LAN 80/180 F360 PN 6	≤ 0,23	360	DN80	PN6	2x1600	87,2
979523662	NMTD LAN 80/180 F360 PN 10	≤ 0,23	360	DN80	PN10	2x1600	87,2

NMTD LAN C xx F - twin pumps with communication module

Code	Type	EEI	Fitting length L [mm]	Pipe connection	PN	P _{max} [W]	Weight [kg]
979523721	NMTD LAN C 40/180 F250	≤ 0,23	250	DN40	PN6/10	2x800	73,7
979523722	NMTD LAN C 50/180 F280	≤ 0,23	280	DN50	PN6/10	2x1000	73,7
979523627	NMTD LAN C 65/120 F340	≤ 0,23	340	DN65	PN6/10	2x1100	73,7
979523723	NMTD LAN C 65/180 F340	≤ 0,23	340	DN65	PN6/10	2x1500	73,7
979523628	NMTD LAN C 80/120 F360 PN 6	≤ 0,23	360	DN80	PN6	2x1600	87,2
979523629	NMTD LAN C 80/120 F360 PN 10	≤ 0,23	360	DN80	PN10	2x1600	87,2
979523724	NMTD LAN C 80/180 F360 PN 6	≤ 0,23	360	DN80	PN6	2x1600	87,2
979523725	NMTD LAN C 80/180 F360 PN 10	≤ 0,23	360	DN80	PN10	2x1600	87,2



NMT SAN LAN xx F - bronze hydraulic pumps

Code	Type	EEI	Fitting length L [mm]	Pipe connection	PN	P _{max} [W]	Weight [kg]
979523606	NMT SAN LAN 40/120 F250	≤ 0,23	250	DN40	PN6/10	500	
979523607	NMT SAN LAN 50/120 F280	≤ 0,23	280	DN50	PN6/10	800	
979523608	NMT SAN LAN 65/120 F340	≤ 0,23	340	DN65	PN6/10	1100	

NMT SAN LAN C xx F - bronze hydraulic pumps with communication module

Code	Type	EEI	Fitting length L [mm]	Pipe connection	PN	P _{max} [W]	Weight [kg]
979523609	NMT SAN LAN C 40/120 F250	≤ 0,23	250	DN40	PN6/10	500	
979523610	NMT SAN LAN C 50/120 F280	≤ 0,23	280	DN50	PN6/10	800	
979523611	NMT SAN LAN C 65/120 F340	≤ 0,23	340	DN65	PN6/10	1100	

Installation

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

