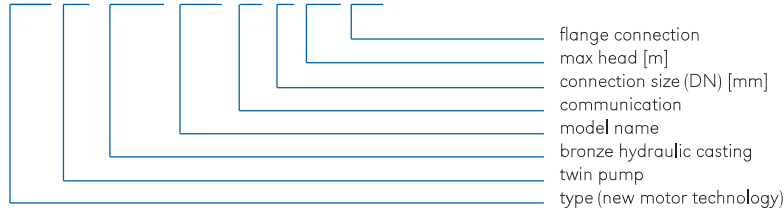


## NMT MAX



NMT (D) (SAN) MAX (C) xx/xx (F)



### 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
- built-in electric 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

MAX C - with NMTC communication module (option):  
 Ethernet, Modbus RTU, analog control input 0-10V,  
 3 analog inputs/outputs, 1 relay output

#### Technical specification

Q <sub>max</sub>	up to 55 m <sup>3</sup> /h
H <sub>max</sub>	up to 16,5 m
P	PN 6/10 bar
DN	40/50/65/80
Installation	flange
Insulation class	F
Degree of protection	IP 44
Voltage	1 - 230V, 50 Hz

#### Minimum inlet pressure

0.05 bar < 75 °C (fluid temperature)  
 0.28 bar < 90 °C (fluid temperature)

#### Material

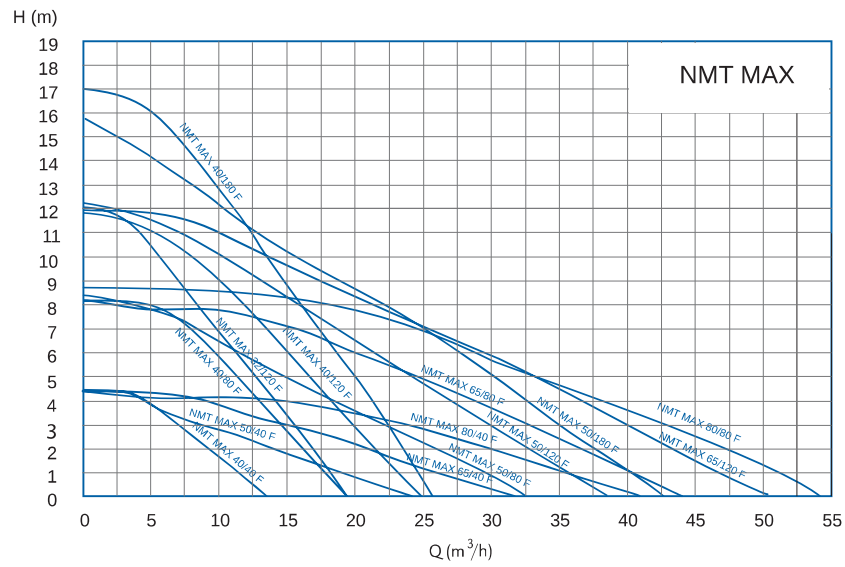
Hydraulic casing	cast iron/bronze
Impeller	PES
Shaft	stainless steel AISI 316
Bearings	graphit
Rotor can	stainless steel AISI 316

#### Permissible mediums

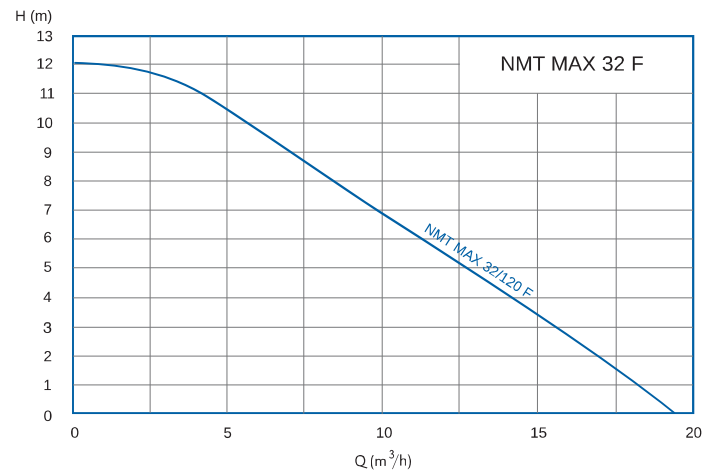
Water, mixed with glycol, parameters must be checked in the mixture of water with over 20% of glycol.  
 Pure, non-explosive liquid media free of mineral oils and solid particles. Medium temperature from - 10 °C to + 110 °C,  
 ambient temperature with max. surroundings temperature 40 °C

## Performance range

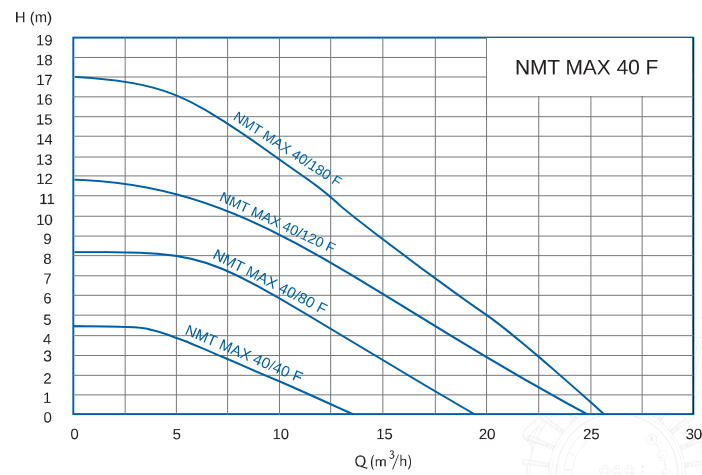
### NMT MAX



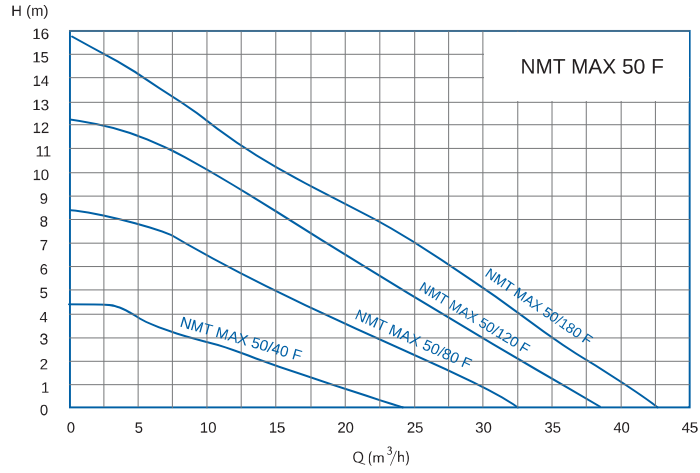
### NMT MAX 32 F



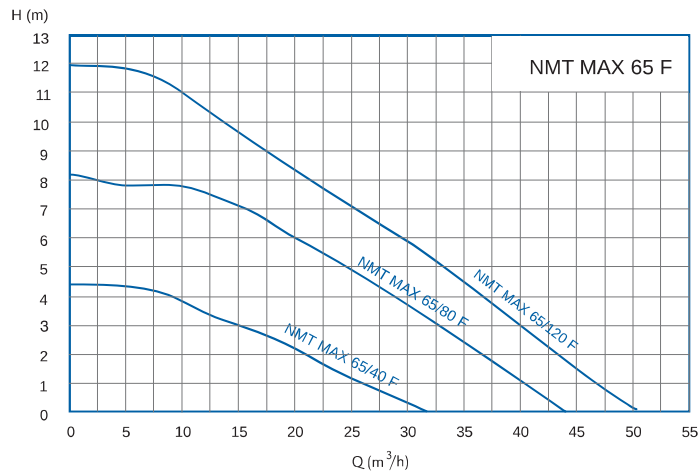
### NMT MAX 40 F



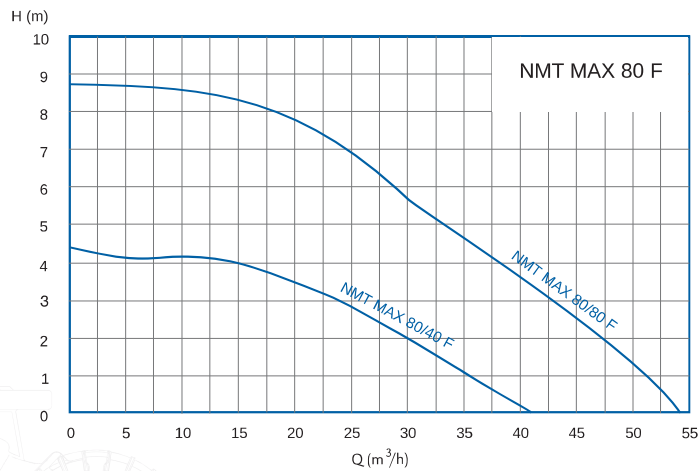
**NMT MAX 50 F**



**NMT MAX 65 F**



**NMT MAX 80 F**



## NMT MAX - flanged pumps

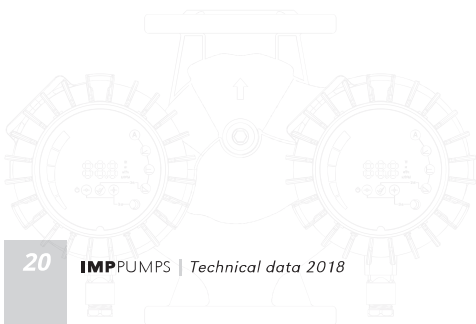
Code	Type	EEl	Fitting length L [mm]	Pipe connection	PN	P <sub>max</sub> [W]	Weight [kg]
979524665	NMT MAX 32/120 F220	≤ 0,22	220	DN32	PN6/10	370	9,1
979523694	NMT MAX 40/40 F220	≤ 0,20	220	DN40	PN6/10	110	7,75
979524027	NMT MAX 40/40 F250	≤ 0,20	250	DN40	PN6/10	110	8,2
979523863	NMT MAX 40/80 F220	≤ 0,21	220	DN40	PN6/10	270	9,15
979523861	NMT MAX 40/80 F250	≤ 0,21	250	DN40	PN6/10	270	9,6
979523839	NMT MAX 40/120 F220	≤ 0,20	220	DN40	PN6/10	480	9,5
979523502	NMT MAX 40/120 F250	≤ 0,20	250	DN40	PN6/10	480	9,95
979524492	NMT MAX 40/180 F220	≤ 0,23	220	DN40	PN6/10	680	13,85
979524490	NMT MAX 40/180 F250	≤ 0,23	250	DN40	PN6/10	680	14,2
979524522	NMT MAX 50/40 F280	≤ 0,23	280	DN50	PN6/10	160	10,8
979524547	NMT MAX 50/80 F280	≤ 0,22	280	DN50	PN6/10	370	12,35
979523869	NMT MAX 50/120 F280	≤ 0,20	280	DN50	PN6/10	560	13
979524898	NMT MAX 50/180 F280	≤ 0,20	280	DN50	PN6/10	830	15,9
979524756	NMT MAX 65/40 F340	≤ 0,23	340	DN65	PN6/10	230	15,95
979524757	NMT MAX 65/80 F340	≤ 0,22	340	DN65	PN6/10	560	16,65
979524758	NMT MAX 65/120 F340	≤ 0,20	340	DN65	PN6/10	810	19,3
979524774	NMT MAX 80/40 F360 PN6	≤ 0,20	360	DN80	PN6	390	23,4
979524780	NMT MAX 80/40 F360 PN10	≤ 0,20	360	DN80	PN10	390	23,4
979524775	NMT MAX 80/80 F360 PN6	≤ 0,20	360	DN80	PN6	800	25,85
979524781	NMT MAX 80/80 F360 PN10	≤ 0,20	360	DN80	PN10	800	25,85

## NMT MAX C - flanged pump with communication module

Code	Type	EEl	Fitting length L [mm]	Pipe connection	PN	P <sub>max</sub> [W]	Weight [kg]
979524666	NMT MAX C 32/120 F220	≤ 0,22	220	DN32	PN6/10	370	9,35
979524026	NMT MAX C 40/40 F220	≤ 0,20	220	DN40	PN6/10	110	8
979523695	NMT MAX C 40/40 F250	≤ 0,20	250	DN40	PN6/10	110	8,45
979523867	NMT MAX C 40/80 F220	≤ 0,21	220	DN40	PN6/10	270	9,4
979523865	NMT MAX C 40/80 F250	≤ 0,21	250	DN40	PN6/10	270	9,85
979523840	NMT MAX C 40/120 F220	≤ 0,20	220	DN40	PN6/10	480	9,75
979523503	NMT MAX C 40/120 F250	≤ 0,20	250	DN40	PN6/10	480	10,2
979524493	NMT MAX C 40/180 F220	≤ 0,23	220	DN40	PN6/10	680	14,1
979524491	NMT MAX C 40/180 F250	≤ 0,23	250	DN40	PN6/10	680	14,45
979524523	NMT MAX C 50/40 F280	≤ 0,23	280	DN50	PN6/10	160	11,05
979524548	NMT MAX C 50/80 F280	≤ 0,22	280	DN50	PN6/10	370	12,6
979524028	NMT MAX C 50/120 F280	≤ 0,20	280	DN50	PN6/10	560	13,25
979524939	NMT MAX C 50/180 F280	≤ 0,20	280	DN50	PN6/10	830	16,15
979524762	NMT MAX C 65/40 F340	≤ 0,23	340	DN65	PN6/10	230	16,2
979524763	NMT MAX C 65/80 F340	≤ 0,22	340	DN65	PN6/10	560	16,9
979524764	NMT MAX C 65/120 F340	≤ 0,20	340	DN65	PN6/10	810	19,55
979524777	NMT MAX C 80/40 F360 PN6	≤ 0,20	360	DN80	PN6	390	23,65
979524783	NMT MAX C 80/40 F360 PN10	≤ 0,20	360	DN80	PN10	390	23,65
979524778	NMT MAX C 80/80 F360 PN6	≤ 0,20	360	DN80	PN6	800	26,1
979524784	NMT MAX C 80/80 F360 PN10	≤ 0,20	360	DN80	PN10	800	26,1

## NMTD MAX - twin pump

Code	Type	EEl	Fitting length L [mm]	Pipe connection	PN	P <sub>max</sub> [W]	Weight [kg]
979524667	NMTD MAX 32/120 F220	≤ 0,22	220	DN32	PN6/10	2x370	
979524032	NMTD MAX 40/40 F220	≤ 0,21	220	DN40	PN6/10	2x110	
979524034	NMTD MAX 40/40 F250	≤ 0,21	250	DN40	PN6/10	2x110	14,25
979524518	NMTD MAX 40/80 F220	≤ 0,21	220	DN40	PN6/10	2x270	
979524519	NMTD MAX 40/80 F250	≤ 0,21	250	DN40	PN6/10	2x270	16,7
979523708	NMTD MAX 40/120 F220	≤ 0,21	220	DN40	PN6/10	2x480	
979523710	NMTD MAX 40/120 F250	≤ 0,21	250	DN40	PN6/10	2x480	16,85
979524496	NMTD MAX 40/180 F220	≤ 0,23	220	DN40	PN6/10	2x680	
979524494	NMTD MAX 40/180 F250	≤ 0,23	250	DN40	PN6/10	2x680	25
979524524	NMTD MAX 50/40 F280	≤ 0,23	280	DN50	PN6/10	2x160	19,56
979524549	NMTD MAX 50/80 F280	≤ 0,22	280	DN50	PN6/10	2x370	22,38
979523997	NMTD MAX 50/120 F280	≤ 0,21	280	DN50	PN6/10	2x560	23,55
979524940	NMTD MAX 50/180 F280	≤ 0,23	280	DN50	PN6/10	2x830	28,8
979524768	NMTD MAX 65/40 F340	≤ 0,23	340	DN65	PN6/10	2x230	32,15
979524769	NMTD MAX 65/80 F340	≤ 0,22	340	DN65	PN6/10	2x560	32,7
979524770	NMTD MAX 65/120 F340	≤ 0,23	340	DN65	PN6/10	2x810	38,4
979524786	NMTD MAX 80/40 F360 PN6	≤ 0,22	360	DN80	PN6	2x390	
979524792	NMTD MAX 80/40 F360 PN10	≤ 0,22	360	DN80	PN10	2x390	
979524787	NMTD MAX 80/80 F360 PN6	≤ 0,23	360	DN80	PN6	2x800	
979524793	NMTD MAX 80/80 F360 PN10	≤ 0,23	360	DN80	PN10	2x800	

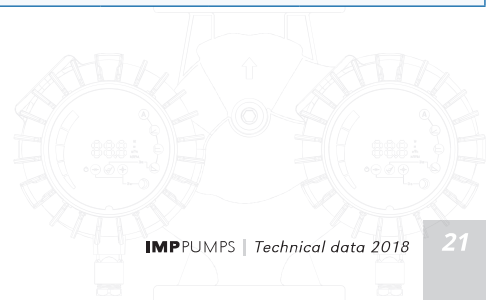


## NMTD MAX C - twin pump with communication module

Code	Type	EEl	Fitting length L [mm]	Pipe connection	PN	P <sub>max</sub> [W]	Weight [kg]
979524668	NMTD MAX C 32/120 F220	≤ 0,22	220	DN32	PN6/10	2x370	
979524033	NMTD MAX C 40/40 F220	≤ 0,21	220	DN40	PN6/10	2x110	
979524035	NMTD MAX C 40/40 F250	≤ 0,21	250	DN40	PN6/10	2x110	14,75
979524520	NMTD MAX C 40/80 F220	≤ 0,21	220	DN40	PN6/10	2x270	
979524521	NMTD MAX C 40/80 F250	≤ 0,21	250	DN40	PN6/10	2x270	17,2
979523709	NMTD MAX C 40/120 F220	≤ 0,21	220	DN40	PN6/10	2x480	
979523711	NMTD MAX C 40/120 F250	≤ 0,21	250	DN40	PN6/10	2x480	17,35
979524497	NMTD MAX C 40/180 F220	≤ 0,23	220	DN40	PN6/10	2x680	
979524495	NMTD MAX C 40/180 F250	≤ 0,23	250	DN40	PN6/10	2x680	25,5
979524525	NMTD MAX C 50/40 F280	≤ 0,23	280	DN50	PN6/10	2x160	20,06
979524550	NMTD MAX C 50/80 F280	≤ 0,22	280	DN50	PN6/10	2x370	22,88
979524029	NMTD MAX C 50/120 F280	≤ 0,21	280	DN50	PN6/10	2x560	24,05
979524941	NMTD MAX C 50/180 F280	≤ 0,23	280	DN50	PN6/10	2x830	29,3
979524771	NMTD MAX C 65/40 F340	≤ 0,23	340	DN65	PN6/10	2x230	32,65
979524772	NMTD MAX C 65/80 F340	≤ 0,22	340	DN65	PN6/10	2x560	33,2
979524773	NMTD MAX C 65/120 F340	≤ 0,23	340	DN65	PN6/10	2x810	38,9
979524789	NMTD MAX C 80/40 F360 PN6	≤ 0,22	360	DN80	PN6	2x390	
979524795	NMTD MAX C 80/40 F360 PN10	≤ 0,22	360	DN80	PN10	2x390	
979524790	NMTD MAX C 80/80 F360 PN6	≤ 0,23	360	DN80	PN6	2x800	
979524796	NMTD MAX C 80/80 F360 PN10	≤ 0,23	360	DN80	PN10	2x800	

## NMT SAN MAX - bronze hydraulic pumps

Code	Type	EEl	Fitting length L [mm]	Pipe connection	PN	P <sub>max</sub> [W]	Weight [kg]
979524892	NMT SAN MAX 40/40 F250	≤ 0,20	250	DN40	PN6/10	110	10,35
979524556	NMT SAN MAX 40/80 F250	≤ 0,21	250	DN40	PN6/10	270	11,75
979524557	NMT SAN MAX 40/120 F250	≤ 0,20	250	DN40	PN6/10	480	12,1
979524891	NMT SAN MAX 40/180 F250	≤ 0,23	250	DN40	PN6/10	680	16,35
979524896	NMT SAN MAX 50/40 F280	≤ 0,23	280	DN50	PN6/10	160	
979524560	NMT SAN MAX 50/80 F280	≤ 0,22	280	DN50	PN6/10	370	
979524561	NMT SAN MAX 50/120 F280	≤ 0,20	280	DN50	PN6/10	560	16,5
979524942	NMT SAN MAX 50/180 F280	≤ 0,20	280	DN50	PN6/10	830	
979524759	NMT SAN MAX 65/40 F340	≤ 0,23	340	DN65	PN6/10	230	
979524760	NMT SAN MAX 65/80 F340	≤ 0,22	340	DN65	PN6/10	560	
979524761	NMT SAN MAX 65/120 F340	≤ 0,20	340	DN65	PN6/10	810	



## NMT SAN MAX C - bronze hydraulic pumps with communication module

Code	Type	EEI	Fitting length L [mm]	Pipe connection	PN	P <sub>max</sub> [W]	Weight [kg]
979524894	NMT SAN MAX C 40/40 F250	≤ 0,20	250	DN40	PN6/10	110	10,6
979524558	NMT SAN MAX C 40/80 F250	≤ 0,21	250	DN40	PN6/10	270	12
979524559	NMT SAN MAX C 40/120 F250	≤ 0,20	250	DN40	PN6/10	480	12,35
979524893	NMT SAN MAX C 40/180 F250	≤ 0,23	250	DN40	PN6/10	680	16,6
979524897	NMT SAN MAX C 50/40 F280	≤ 0,23	280	DN50	PN6/10	160	
979524562	NMT SAN MAX C 50/80 F280	≤ 0,22	280	DN50	PN6/10	370	
979524563	NMT SAN MAX C 50/120 F280	≤ 0,20	280	DN50	PN6/10	560	17
979524943	NMT SAN MAX C 50/180 F280	≤ 0,20	280	DN50	PN6/10	830	
979524765	NMT SAN MAX C 65/40 F340	≤ 0,23	340	DN65	PN6/10	230	
979524766	NMT SAN MAX C 65/80 F340	≤ 0,22	340	DN65	PN6/10	560	
979524767	NMT SAN MAX C 65/120 F340	≤ 0,20	340	DN65	PN6/10	810	

## Installation

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

