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NORD EcoHeat FP

Heat pump with twin rotary Panasonic compressor

High efficiency heat pumps EcoHeat ▶

ENVIRONMENTALLY FRIENDLY – R290

NORD EcoHeat uses R290 – a natural propane refrigerant with a near-zero Global Warming Potential (GWP ≈ 3). It offers excellent energy efficiency and minimal environmental impact — a sustainable choice that does not compromise performance.

HIGH TEMPERATURE OUTPUT

Compatible with traditional radiators — up to 75 °C water temperature allows easy integration into existing heating systems without expensive upgrades.

ECO-MODE OPERATION

Its unique functionality allows your heat pump to utilize surplus PV energy whenever it's available. Unlock the full potential of the system with EcoControl and EcoMaster devices and maximize your savings now!

PV READY

The NORD EcoHeat system can be used with existing photovoltaic systems, even without the EcoMaster inverter.

SMART DEFROST TECHNOLOGY

Winter heating made worry-free. Thanks to its intelligent defrost function, NORD EcoHeat can defrost itself within just 3–5 minutes.

A+++ ENERGY LABEL

Save energy with NORD EcoHeat. It achieves the EU A+++ energy efficiency rating, providing users with greater thermal comfort at a lower cost.

SMART GRID READY

The Smart Grid Ready label certifies that the NORD EcoHeat heat pump can operate intelligently according to a defined interface for load management with third-party systems.

ENERGY EFFICIENT

NORD EcoHeat is four times more energy efficient than an electric boiler system, thanks to its ability to absorb energy from the outdoor environment.

OPERATION RANGES

NORD EcoHeat operates efficiently across a wide range of ambient temperatures.

POSSIBILITY OF COOLING

The NORD EcoHeat heat pump is capable of providing domestic hot water, heating, and cooling.

NOISE CONTROL

NORD EcoHeat operates at a lower noise level than a typical office conversation, thanks to its specially designed components.

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TECHNICAL DATA

Eco | A+++ | R290 | PV Ready | Smart Grid

NORD EcoHeat MB	7.0 F1P	10.0 F1P	10.0 F3P	12.0 F3P	20.0 F3P
ErP Level (35 °C)	A+++	A+++	A+++	A+++	A+++
ErP Level (55 °C)	A++	A++	A++	A++	A++
A7W35 - HEATING					
Capacity Range (kW)	2.88-8.29	4.42-11.81	4.42-11.81	5.43-15.65	8.24-22.24
Rated Capacity (kW)	7.02	10.04	10.03	11.95	19.56
Input Power Range (kW)	0.56-1.85	0.83-3.04	0.85-3.33	1.02-3.99	1.54-5.48
A35W7 - COOLING					
Capacity Range (kW)	1.34-4.89	3.14-7.04	3.33-7.66	3.99-9.19	3.67-12.88
Rated Capacity (kW)	4.51	7.35	7.08	8.52	12.55
Input Power Range (kW)	0.71-1.86	1.02-2.75	1.03-3.35	1.24-4.02	1.74-4.79
A20W15-55 - DWH					
Capacity Range (kW)	2.50-7.50	5.06-10.01	6.77-11.83	8.13-14.24	11.43-19.23
Rated Capacity (kW)	6.80	9.23	7.08	12.00	18.00
Input Power Range (kW)	0.57-1.95	1.20-2.54	2.05-2.73	1.91-3.50	2.69-4.71
POWER SUPPLY					
Power Supply (V / Phases / Hz)	220/1/50	220/1/50	380/3/50	380/3/50	380/3/50
Max. Input Power (kW)	2.4	4.0	4.2	5.1	6.85
Max. Input Current (A)	10.3	18.0	7	8.5	13.4
NOISE LEVEL & SCOP					
Sound Pressure [dB(A)] in 10m	≤18	≤18	≤20	≤20	≤26
Sound Pressure [dB(A)] in 1m	≤38	≤38	≤39	≤39	≤46
SCOP (35°C)	4.60	4.56	4.57	4.80	4.90
REFRIGERANT					
Type / GWP	R290/3	R290/3	R290/3	R290/3	R290/3
Charged Volume (kg)	0.75	0.9	1.1	1.1	1.5
OPERATION RANGE					
Ambient Temperature (°C)	-25 ~ +43	-25 ~ +43	-25 ~ +43	-25 ~ +43	-25 ~ +43
Water Outlet Temperature (°C)	5~75	5~75	5~75	5~75	5~75
COMPRESSOR					
Type (Twin rotary DC compressor)	Highly	Panasonic			
PUMP					
Type	Inverter				
Pump Head (m)	8				
HYDRAULIC					
Rated Water Flow Rate (m³/hr)	1.2	1.72	1.72	2.06	3.44
PIPING CONNECTIONS					
Piping Connections Inlet	DN25				
Piping Connections Outlet	DN25				
PACKING					
Dimensions L x W x H (mm)	1288×514×888			1288×514×888	1288×514×1397
Packing Dimensions L x W x H (mm)	1385×555×1031			1385×555×1031	1385×555×1545
Net Weight (kg)	121	125	153	153	220
Gross Weight (kg)	158	160	188	188	264

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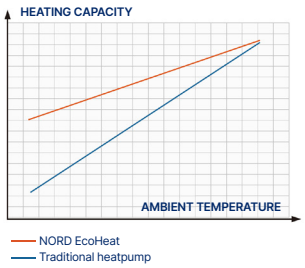
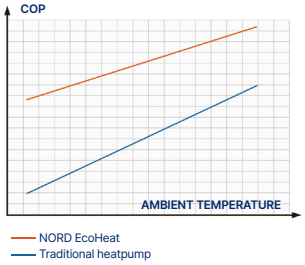
MB 7.0 F1P | MB 10.0 F1P | MB 10.0 F3P | MB 12.0 F3P

NORD EcoHeat MB 20.0 F3P