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NORD EcoHeat

Heat pump with twin rotary Panasonic EVI compressor

High efficiency heat pumps EcoHeat ▶

ECO-MODE OPERATION

With the unique functionality you can use pv-energy surplus with your heat pump as much you have available. Use the full capability 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 device.

SMART DEFROST TECHNOLOGY

Winter heating worry-free. Nord EcoHeat thanks to the intelligent defrost function, it can defrost yourself within 3~5 minutes.

NOISE CONTROL

NORD EcoHeat achieves a lower noise level than normal office conversation thanks to specially designed components.

A+++ ENERGY LABEL

Save energy with the NORD EcoHeat. With EcoHeat, you can achieve EU A+++ energy efficiency rating, giving users a higher thermal comfort at a lower cost.

SMART GRID READY

Smart grid ready certifies, that NORD EcoHeat heat pump can work smartly according to a defined interface for load management with third party systems.

ENERGY EFFICIENT

NORD EcoHeat is 4-times more energy efficient then electric boiler system thanks to absorbing energy from the outdoor environment.

OPERATION RANGES

NORD EcoHeat has a wide ambient temperature operation range.

POSSIBILITY OF COOLING

The NORD EcoHeat heat pump is capable DHW production, heating and cooling.

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TECHNICAL DATA

Eco | A+++ | R32 | PV Ready | Smart Grid

NORD EcoHeat MB	5.0 F	7.0 F	9.0 F	12.0 F	16.0 F	18.0 F	22.0 F
ErP Level (35 °C)	A+++	A+++	A+++	A+++	A+++	A+++	A+++
ErP Level (55 °C)	A++	A++	A++	A++	A++	A++	A++
A7W35 - HEATING							
Capacity Range (kW)	3.00-6.00	3.00-9.00	4.00-12.50	8.00-17.50	8.00-17.50	8.60-24.00	8.60-24.00
Rated Capacity (kW)	5.0	7.0	9.0	12.5	16	18.0	22
Input Power Range (kW)	0.60-1.54	0.60-2.15	0.95-3.25	1.75-4.22	1.75-4.22	1.80-5.95	1.80-5.95
A35W7 - COOLING							
Capacity Range (kW)	2.00-5.00	2.00-7.00	3.20-7.70	5.40-14.00	5.40-14.00	5.70-15.50	5.70-15.50
Rated Capacity (kW)	3.5	5.0	6.4	9.7	12.0	12.4	14.0
Input Power Range (kW)	0.7-2.15	1.05-2.65	1.05-3.50	2.03-6.01	2.03-6.01	1.80-7.00	1.80-7.50
A20W15-55 - DWH							
Capacity Range (kW)	2.60-8.00	2.60-9.00	4.20-10.13	9.00-15.00	9.00-15.00	9.50-27.00	9.50-27.00
Rated Capacity (kW)	7.0	8.5	10.2	15.0	15.0	23.0	27.0
Input Power Range (kW)	0.52-1.85	0.87-2.35	0.87-2.38	1.92-3.56	1.92-3.56	1.97-7.20	2.37-7.25
POWER SUPPLY							
Power Supply (V / Phases / Hz)	220/1/50	220/1/50	380/3/50	380/3/50	380/3/50	380/3/50	380/3/50
Max. Input Power (kW)	2.2	3	4	5.5	6.5	8	9
Max. Input Current (A)	10	13.5	6.4	8	9.5	12	13.5
NOISE LEVEL & SCOP							
Sound Pressure [dB(A)] in 5m	≤36	≤37	≤40	≤41	≤44	≤47	≤47
SCOP	4.56	5.07	4.84	4.50	4.89	4.50	4.62
REFRIGERANT							
Type / GWP	R32/675	R32/675	R32/675	R32/675	R32/675	R32/675	R32/675
Charged Volume (kg)	2.2	2.2	2.2	2.15	2.2	2.8	2.8
OPERATION RANGE							
Ambient Temperature (°C)	-25 ~ +43	-25 ~ +43	-25 ~ +43	-25 ~ +43	-25 ~ +43	-25 ~ +43	-25 ~ +43
COMPRESSOR							
Type	Twin rotary DC compressor Heat Pump						
PUMP							
Type	Inverter						
Pump Head (m)	8						
HYDRAULIC							
Rated Water Flow Rate (m³/hr)	0.90	1.2	1.5	2	2.75	3	3.8
PIPING CONNECTIONS							
Piping Connections Inlet	DN25						
Piping Connections Outlet	DN25						
PACKING							
Dimensions L x W x H (mm)	1298×493×891		1298×493×891			1298×493×1400	
Packing Dimensions L x W x H (mm)	1340×523×1015		1340×523×1015			1340×523×1524	
Net Weight (kg)	100	100	115	115	115	125	125
Gross Weight (kg)	115	115	130	130	130	145	145



NORD EcoHeat MB 5.0 F | MB 7.0 F | MB 9.0 F | 12.0 F | 16.0 F



NORD EcoHeat MB 18.0 F | 22.0 F



