

BASIC PROPERTIES

HEAT PUMP DETAILS

HEAT PUMP TEST DATA

Item Type

Heat Source

Item Name *

NIBE Exhaust Air HP

Manufacturer *

NIBE

Model *

S735-4

Keywords

Heating Source Type

Heat pumps

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Heat Pump Type *

Exhaust Air to Water

Space Heating Standard

I.S. EN 14825

Water Heating Standard

I.S. EN 16147

Seasonal Space Heating Efficiency [%] *

143

Water Heating Efficiency [%] *

117

For all heat pumps tested to I.S. EN 14825 this value is for display purposes and is not used in the calculation. For all "to air" heat pumps tested to I.S. EN 14825 the Heating Seasonal Efficiency SCOP/A is entered instead of the %.

Temperature Control (Capacity Control) *

Variable Outlet

Integrated Immersion

Flow temperature >= [60|65]°C

TOL *

-10

WTOL *

65

Cooling System Seasonal Energy Efficiency Ratio

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HEATING SYSTEM TEST DATA: I.S. EN 14825

Test Condition - Low (35°C)

	A (88%) -7°C	B (54%) 2°C	C (35%) 7°C	D (15%) 12°C	E* (100%) TOL
Source	A-7	A2	A7	A12	A
Sink	W34	W30	W27	W24	W35
Heating Capacity (kW)	3.1	1.9	1.2	1.2	3.1
Coefficient of Performance (kW/kW)	3.09	5.2	6.38	6.87	3.02

⊕ Test Condition - Medium (55°C) *

	A (88%) -7°C	B (54%) 2°C	C (35%) 7°C	D (15%) 12°C	E* (100%) TOL
Source	A-7	A2	A7	A12	A
Sink	W52	W42	W36	W30	W55
Heating Capacity (kW)	3.1	1.9	1.2	1.1	3.5
Coefficient of Performance (kW/kW)	2.56	3.78	4.70	5.58	2.23

|| HEATING SYSTEM TEST DATA: I.S. EN 16147

Source of Data * Water heating energy efficiency ▼	Co-efficient of Performance [kW/kW] 0	Water heating energy efficiency [%] * 117
Reference Hot water Temperature [°C] * 51 ⓘ	Hot water Rated Heat output P_{rated} [kW] * 4	
Declared load profile * XL ▼	Standing heat loss of test storage tank [kWh/day] * 1.35	Volume of DHW accounted for in test [litre] * 180