





NIBE F1355-28

















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| Model: | NIBE F1355-28 | | | |
|---|---------------|-------|-----|--|
| Temperature application | 35 | 55 | °C | |
| Declared load profile for water | | | | |
| heating | | | | |
| Seasonal space heating energy efficiency class, average climate: | A+++ | A+++ | | |
| Water heating energy efficiency class, average climate: | | | | |
| Rated heat output, average climate: | 28 | kW | | |
| Annual energy consumption for space heating, average climate | 11528 | 14621 | kWh | |
| Annual electricity consumption for water heating, average climate | | | kWh | |
| Seasonal space heating energy efficiency, average climate: | 198 | 155 | % | |
| Water heating energy efficiency, average climate: | | | % | |
| Sound power level LWA indoors | 47 | | dB | |
| Rated heat output, cold climate: | 28 | 28 | kW | |
| Rated heat output, warm climate: | 28 | 28 | kW | |
| Annual energy consumption for space heating, cold climate | 12907 | 16450 | kWh | |
| Annual electricity consumption for water heating, cold climate | | | kWh | |
| Annual energy consumption for space heating, warm climate | 7237 | 9062 | kWh | |
| Annual electricity consumption for water heating, warm climate | | | kWh | |
| Seasonal space heating energy efficiency, cold climate: | 211 | 165 | % | |
| Water heating energy efficiency, cold climate: | | | % | |
| Seasonal space heating energy efficiency, warm climate: | 204 | 162 | % | |
| Water heating energy efficiency, warm climate: | | | % | |
| Sound power level LWA outdoors | | - | dB | |

Data for package fiche

| Controller class | | | |
|--|------|------|---|
| Controler contribution to efficiency | 2 | | % |
| Seasonal space heating energy efficiency of package, average climate: | 200 | 157 | % |
| Seasonal space heating energy efficiency class for package, average climate: | A+++ | A+++ | % |
| Seasonal space heating energy efficiency of package, cold climate: | 213 | 167 | % |
| Seasonal space heating energy efficiency of package, warm climate: | 206 | 164 | % |



| Model(s): | | | NI | BE F1355-28 | | | |
|---|------------------|----------|--------------------|--|-------------------|--------------|-------|
| Type of heat source/sink: | ,, | | Brine-to-water | | | | |
| Low-temperature heat pump: | | | No | | | | |
| Equipped with supplementary heater: Heat pump combination heater: | | | | No | | | |
| | | | | No | | | |
| Climate condition: | • • | | | Average | | | |
| Temperature application: | Medium to | | emperature (55 °C) | | | | |
| Applied standards: EN14825, EN 14511 ar | nd EN1210 | 2 | | | | | |
| Rated heat output | Prated | 28,0 | kW | Seasonal space heating energy efficiency | η _s | 155 | % |
| Declared capacity for part load at outdoor tem | perature Tj | | | Declared coefficient of performance for pe | art load at outdo | or temperatu | re Tj |
| Tj = -7 ℃ | Pdh | 25,0 | kW | Tj = -7° C | COPd | 3,1 | kW |
| Tj = +2 ℃ | Pdh | 15,3 | kW | Tj = +2° C | COPd | 3,9 | kW |
| Tj = +7 °C | Pdh | 9,7 | kW | Tj = +7° C | COPd | 4,6 | kW |
| Tj = +12 ° C | Pdh | 4,3 | kW | Tj = +12 ℃ | COPd | 5,3 | kW |
| Tj = biv | Pdh | 28,0 | kW | Tj = biv | COPd | 2,8 | kW |
| Tj = TOL | Pdh | 28,0 | kW | Tj = TOL | COPd | 2,8 | kW |
| Tj = -15 °C (if TOL < -20 °C) | Pdh | | kW | Tj = -15° C (if TOL < -20 °C) | COPd | | kW |
| Bivalent temperature | Tbiv | -10 | °C | Operation limit temperature | TOL | -10 | °C |
| Cycling interval capacity for heating | Pcych | | kW | Cycling interval efficiency | COPcvc | | |
| Degradation co-efficient | Cdh | 0,99 | - | Heating water operating limit | WTOL | 65 | °C |
| Power consumption in modes other than active | mode | | | Supplementary heater | | | |
| Off mode | P _{OFF} | 0,007 | kW | Rated heat output | Psup | 0,0 | kW |
| Thermostat-off mode | Рто | 0,035 | kW | nated near output | 1 344 | 0,0 | 1 |
| Standby mode | P _{SB} | 0,019 | kW | Type of energy input | | Electric | |
| Crankcase heater mode | P _{CK} | 0,025 | kW | 7,7-1-1-07 | | | |
| Other items | | | | | | | |
| Capacity control | | variable | | Rated air flow rate, outdoors | | | m³/h |
| • | | | | Rated water flow rate, indoor heat | | | |
| Sound power level, indoors/outdoors | L _{wa} | 47/- | dB | exchanger | | | m³/h |
| | | • | | Rated brine or water flow rate, | | | |
| Annual energy consumption | Q _{HE} | 14621 | kWh | outdoor heat exchanger | | 3,40 | m³/h |
| For heat pump combination heater: | | | | | | | |
| Declared load profile | | | | Water heating energy efficiency | η_{wh} | | % |
| | - | | | | | | |
| Daily electricity consumption | Q elec | _ | kWh | Daily fuel consumption | Q fuel | | kWh |
| Annual electricity consumption | AEC | | kWh | Annual fuel consumption | AFC | | GJ |

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