



ENERG
енергия · ενεργεια

Y IJA
IE IA

NIBE

NIBE F750



55 °C

35 °C



A++

A++



44 dB



dB



kW



kW



2015

811/2013

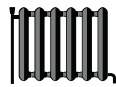


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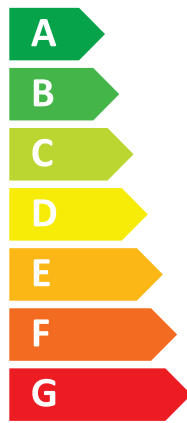
NIBE F750



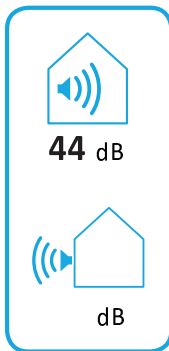
55°C



A++



A



2015

811/2013



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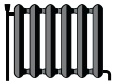
IJA

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NIBE F750



35 °C



A⁺⁺

A⁺⁺⁺

A⁺⁺⁺

A⁺⁺

A⁺

A

B

C

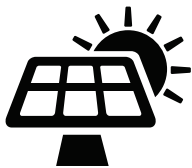
D

E

F

G

+



+



+



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Y

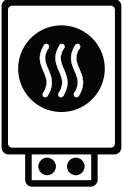




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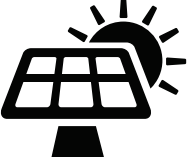
IE


IA


NIBE


NIBE F750








+ 






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55 °C








Product fiche

| | | | |
|---|------------------|------------|-----|
| Supplier's name: | NIBE | | |
| Model: | NIBE F750 | | |
| Temperature application | 35 | 55 | °C |
| Declared load profile for water heating | L | | |
| Seasonal space heating energy efficiency class, average climate: | A++ | A++ | |
| Water heating energy efficiency class, average climate: | A | | |
| Rated heat output, average climate: | 5 | 5 | kW |
| Annual energy consumption for space heating, average climate | 2066 | 2793 | kWh |
| Annual electricity consumption for water heating, average climate | 1123 | | kWh |
| Seasonal space heating energy efficiency, average climate: | 177 | 130 | % |
| Water heating energy efficiency, average climate: | 91 | | % |
| Sound power level LWA indoors | 44 | | dB |
| Rated heat output, cold climate: | 5 | 5 | kW |
| Rated heat output, warm climate: | 5 | 5 | kW |
| Annual energy consumption for space heating, cold climate | 2361 | 3143 | kWh |
| Annual electricity consumption for water heating, cold climate | 1123 | | kWh |
| Annual energy consumption for space heating, warm climate | 1370 | 1804 | kWh |
| Annual electricity consumption for water heating, warm climate | 1123 | | kWh |
| Seasonal space heating energy efficiency, cold climate: | 185 | 138 | % |
| Water heating energy efficiency, cold climate: | 91 | | % |
| Seasonal space heating energy efficiency, warm climate: | 172 | 130 | % |
| Water heating energy efficiency, warm climate: | 91 | | % |
| Sound power level LWA outdoors | - | - | dB |

Data for package fiche

| | | | |
|--|-------------|------------|---|
| Controller class | VI | | |
| Controler contribution to efficiency | 4 | | % |
| Seasonal space heating energy efficiency of package, average climate: | 181 | 134 | % |
| Seasonal space heating energy efficiency class for package, average climate: | A+++ | A++ | % |
| Seasonal space heating energy efficiency of package, cold climate: | 189 | 142 | % |
| Seasonal space heating energy efficiency of package, warm climate: | 176 | 134 | % |

| | | | | | | | |
|--|---|----------------------------|-----|--|--------------------|-----|-------------------|
| Model(s): | | NIBE F750 | |  | | | |
| Type of heat source/sink: | | Exhaust air-to-water | | | | | |
| Low-temperature heat pump: | | No | | | | | |
| Equipped with supplementary heater: | | Yes | | | | | |
| Heat pump combination heater: | | Yes | | | | | |
| Climate condition: | | Average | | | | | |
| Temperature application: | | Medium temperature (55 °C) | | | | | |
| Applied standards: EN14825 and EN16147 | | | | | | | |
| Rated heat output | Prated | 4,5 | kW | Seasonal space heating energy efficiency | η_s | 130 | % |
| <i>Declared capacity for part load at outdoor temperature Tj</i> | | | | <i>Declared coefficient of performance for part load at outdoor temperature Tj</i> | | | |
| Tj = -7 °C | Pdh | 3,4 | kW | Tj = -7 °C | COPd | 2,5 | - |
| Tj = +2 °C | Pdh | 2,6 | kW | Tj = +2 °C | COPd | 3,3 | - |
| Tj = +7 °C | Pdh | 1,7 | kW | Tj = +7 °C | COPd | 4,3 | - |
| Tj = +12 °C | Pdh | 1,7 | kW | Tj = +12 °C | COPd | 4,3 | - |
| Tj = biv | Pdh | 3,3 | kW | Tj = biv | COPd | 2,8 | - |
| Tj = TOL | Pdh | 3,0 | kW | Tj = TOL | COPd | 2,4 | - |
| Tj = -15 °C (if TOL < -20 °C) | Pdh | | kW | Tj = -15 °C (if TOL < -20 °C) | COPd | | - |
| Bivalent temperature | T _{biv} | -3 | °C | Operation limit temperature | TOL | -10 | °C |
| Cycling interval capacity for | P _{cyh} | | kW | Cycling interval efficiency | COP _{cyh} | | - |
| Degradation co-efficient | C _{dh} | 0,97 | - | Heating water operating limit temperature | WTOL | 60 | °C |
| <i>Power consumption in modes other than active mode</i> | | | | <i>Supplementary heater</i> | | | |
| Off mode | P _{OFF} | 0,003 | kW | Rated heat output | P _{sup} | 1,5 | kW |
| Thermostat-off mode | P _{TO} | 0,02 | kW | | | | |
| Standby mode | P _{SB} | 0,02 | kW | Type of energy input | Electric | | |
| Crankcase heater mode | P _{CK} | 0,00 | kW | | | | |
| <i>Other items</i> | | | | | | | |
| Capacity control | variable | | | Rated air flow rate, outdoors | | 180 | m ³ /h |
| Sound power level, indoors/outdoors | L _{WA} | 44/- | dB | | | | |
| Annual energy consumption | Q _{HE} | 2793 | kWh | Rated brine or water flow rate, outdoor heat exchanger | | | m ³ /h |
| <i>For heat pump combination heater:</i> | | | | | | | |
| Declared load profile | L | | | Water heating energy efficiency | η_{wh} | 91 | % |
| Daily electricity consumption | Q _{elec} | 5,11 | kWh | Daily fuel consumption | Q _{fuel} | | kWh |
| Annual electricity consumption | AEC | 1123 | kWh | Annual fuel consumption | AFC | | GJ |
| Approved by: | | | | | | | |
| Contact details | © NIBE Energy Systems - Box 14 - Hannabadsvägen 5 - 28521 Markaryd - Sweden | | | | | | |