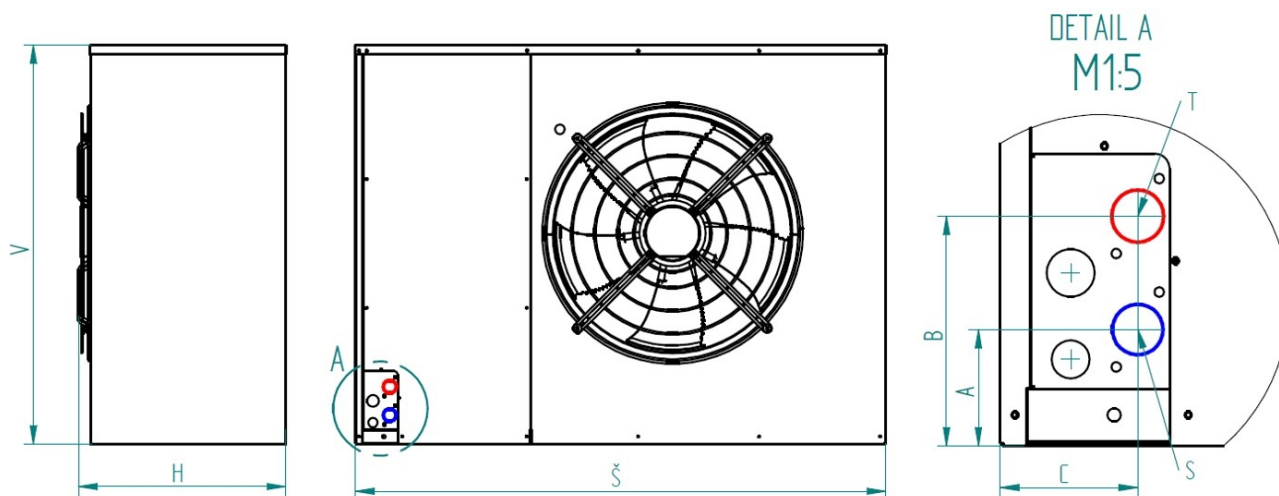


Dane Techniczne

Gwarancja na urządzenie 5 lat na sprężarkę 10 lat.

| Model | iZZiFAST R290 PRO-N | iZZiFAST R290 PRO-R |
|---|---------------------------|---------------------------|
| Zasilanie jednostka wewnętrzna | 3~N/PE/400V/50Hz; B16A | 3~N/PE/400V/50Hz; B20A |
| Zasilanie jednostka zewnętrzna | 1~N/PE/230V/50Hz; B16A | 3~N/PE/400V/50Hz; B20A |
| Moc grzewcza | 1 do 7 kW | 3 do 18 kW |
| COP A7/W35 EN14511 | 4,9 | 5,22 |
| Poziom ciśnienia akustycznego (w warunkach A7/W55 zgodnie z normą EN 12 102) | 48,4 | 49,3 |
| Typ sprężarki | Scroll | Scroll |
| Maksymalny pobór mocy jednostka zewnętrzna [A] | 13 | 12 |
| Prąd startowy [A] | 5 | 5 |
| Klasa ochrony | IP44 | IP44 |
| Czynnik chłodniczy | R290 | R290 |
| Czynnik chłodniczy [kg] | 1,35 | 2,75 |
| Chłodzenie | Tak | Tak |
| Maksymalna wartość wysokiego ciśnienia [bar] | 26 | 26 |
| Maksymalna wartość niskiego ciśnienia [bar] | 26 | 26 |
| Zakres działania [°C] *poniżej zakresu działanie jest możliwe bez gwarancji parametrów pracy | -22 to 35 | -22 to 35 |
| Zakres temperatury wody grzewczej [°C] | 20 to 70 | 20 to 70 |
| Przepływ wody grzewczej [m ³ /h] | 0,5 to 3 | 0,5 to 3 |

Wymiary urządzenia



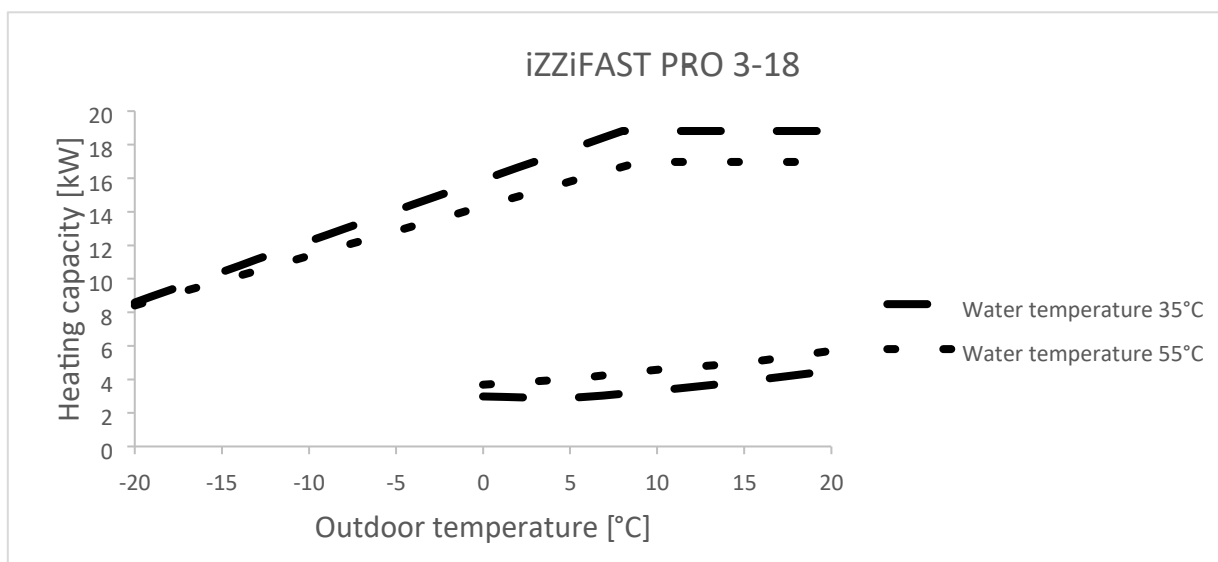
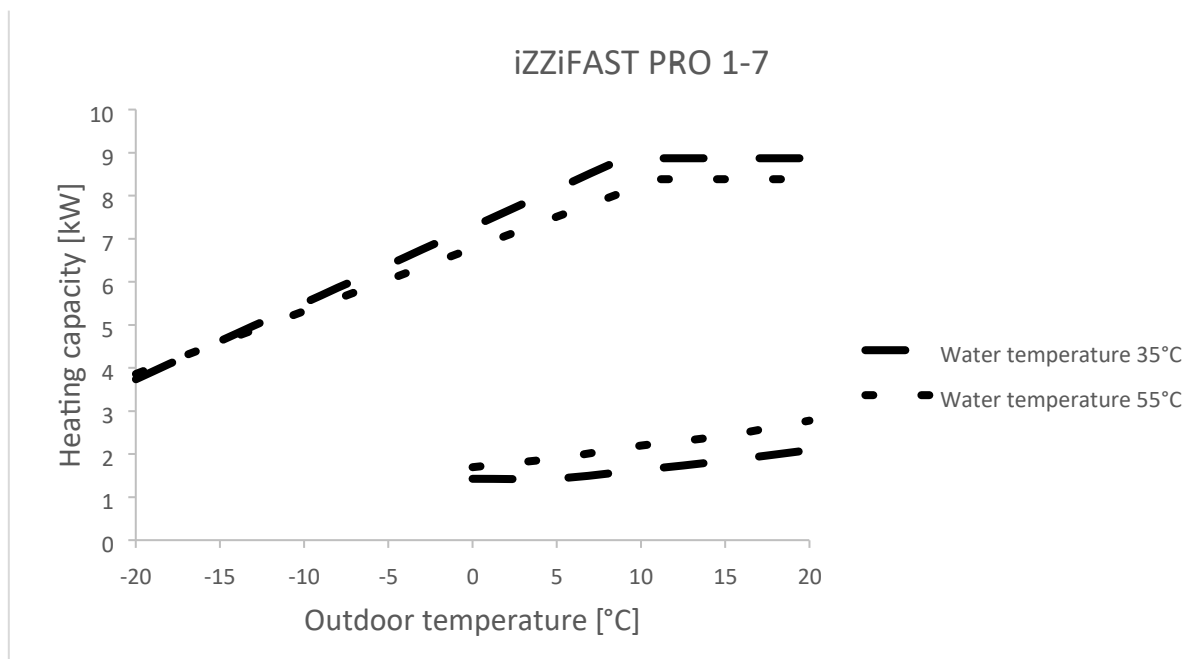
| Model | izzifast PRO-N | izzifast PRO-R |
|---------------------|-----------------|-----------------|
| V [mm] | 740 | 1070 |
| S [mm] | 1130 | 1430 |
| H [mm] | 500 | 560 |
| A [mm] | 110 | 90 |
| B [mm] | 107 | 78 |
| C [mm] | 183 | 154 |
| Waga[kg] | 115 | 195 |
| T – ciepła woda[mm] | G1" DIN ISO 228 | G1" DIN ISO 228 |
| S – zimna woda [mm] | G1" DIN ISO 228 | G1" DIN ISO 228 |

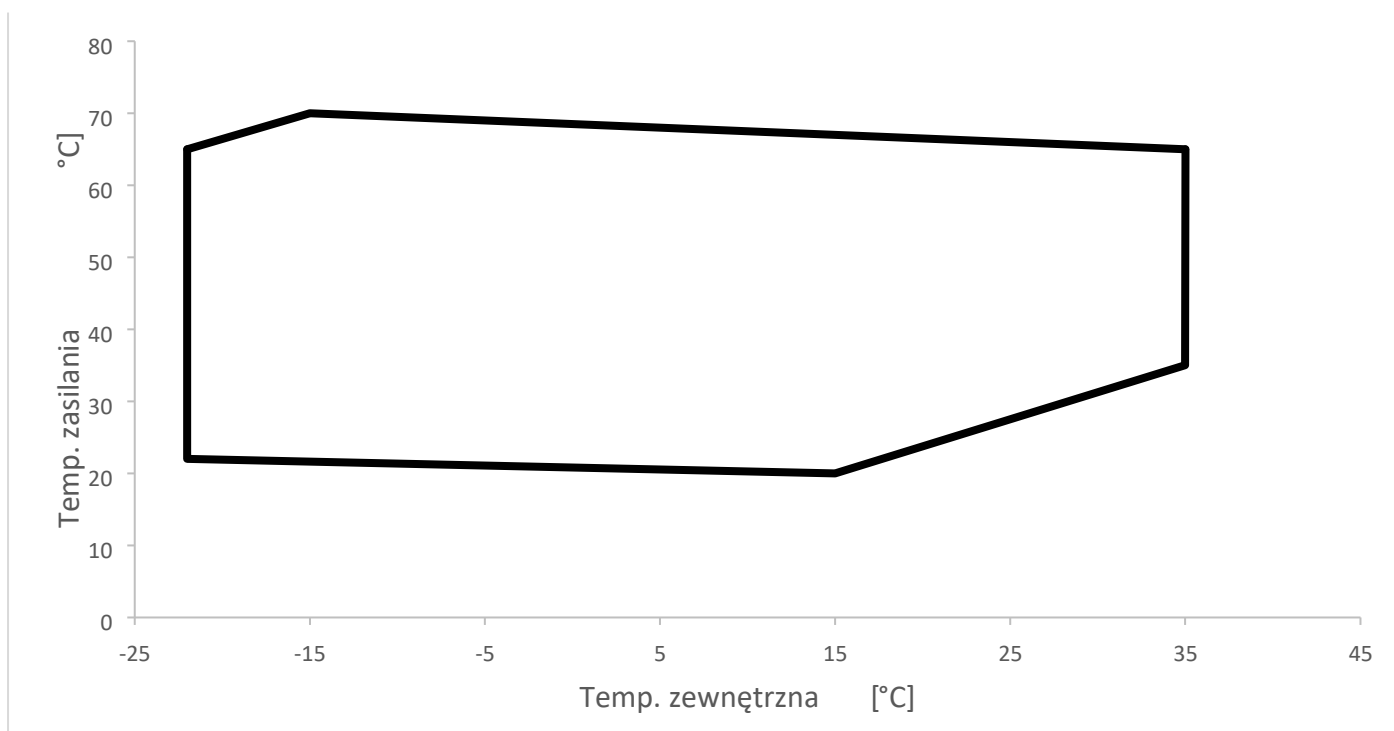
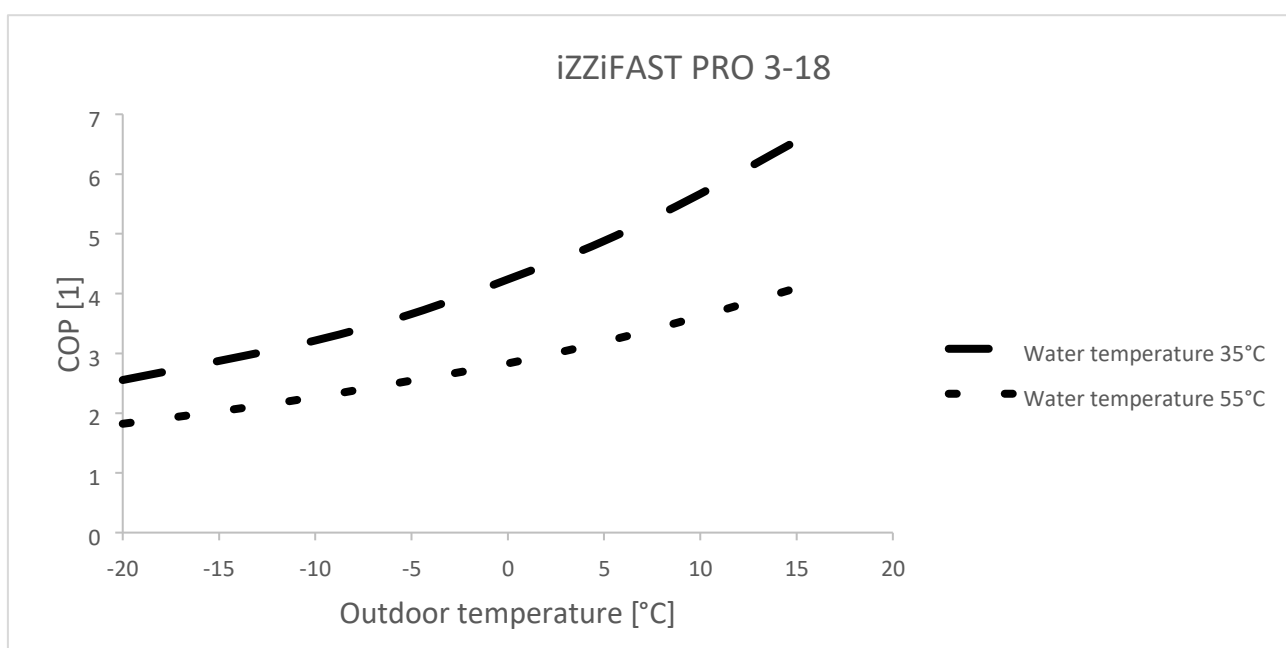
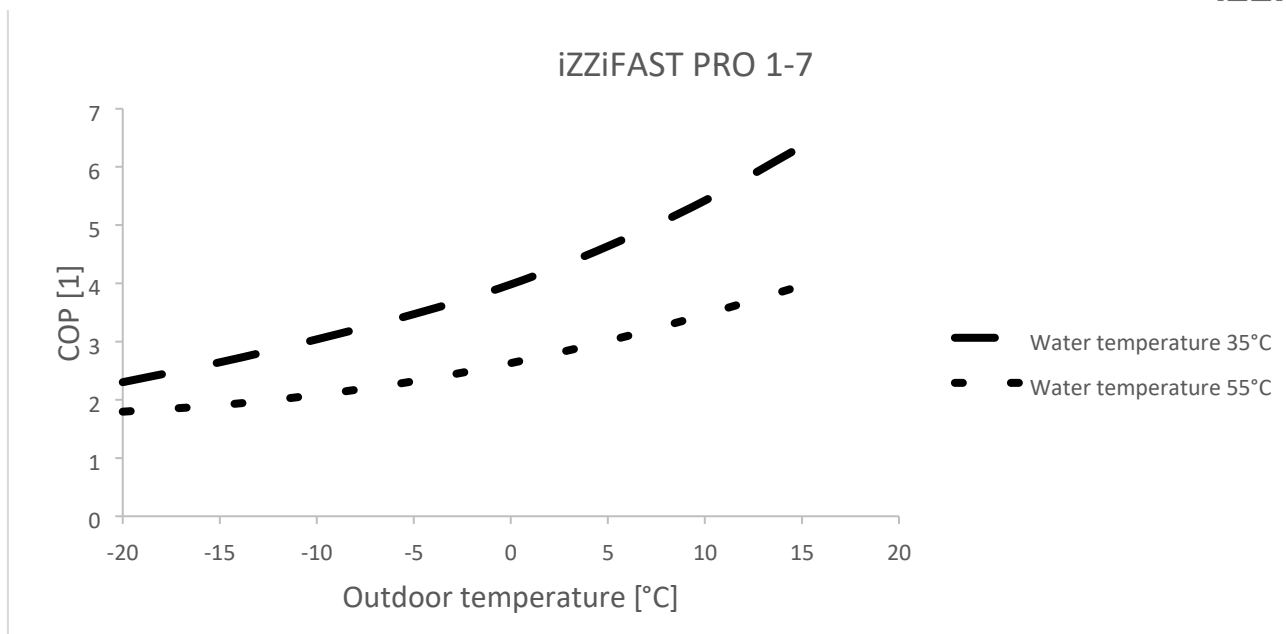
Parametry pracy

| Model | izzifast PRO-N | izzifast PRO-R |
|--|----------------|----------------|
| Parametry pracy zgodnie z normą EN 14 511 | | |
| Moc grzewcza x COP przy A7/W35 [kW x 1] | 3,28 x 4,9 | 6,77 x 5,22 |
| Moc grzewcza x COP przy A2/W35 [kW x 1] | 2,74 x 4,31 | 5,7 x 4,49 |
| Moc grzewcza x COP przy A7/W55 [kW x 1] | 3,87 x 3,28 | 7,41 x 3,29 |
| Parametry pracy z termostatem pokojowym dla zasilania 35C wg normy EN 14 825 | | |
| Moc grzewcza x COP przy A12/W27 [kW x 1] | 1,81 x 6,27 | 4,05 x 7,11 |
| Moc grzewcza x COP przy A7/W27 [kW x 1] | 1,63 x 5,55 | 3,81 x 6,33 |
| Moc grzewcza x COP przy A2/W30 [kW x 1] | 2,54 x 4,94 | 5,46 x 5,03 |
| Moc grzewcza x COP przy A-7/W34 [kW x 1] | 4,17 x 3,14 | 9,23 x 3,24 |
| Parametry pracy z termostatem pokojowym dla zasilania 55C wg normy EN 14 825 | | |
| Moc grzewcza x COP przy A12/W35 [kW x 1] | 1,76 x 5,36 | 3,88 x 5,92 |
| Moc grzewcza x COP przy A7/W36 [kW x 1] | 1,6 x 4,41 | 3,52 x 4,97 |
| Moc grzewcza x COP przy A2/W42 [kW x 1] | 2,48 x 3,74 | 5,53 x 3,87 |
| Moc grzewcza x COP przy A-7/W52 [kW x 1] | 4,08 x 2,38 | 9 x 2,5 |
| Parametry dla klimatu umiarkowanego z termostatem pokojowym | | |
| P_{rated} x SCOP W35 [kW x 1] | 4,71 x 4,74 | 10,38 x 5,05 |
| P_{rated} x SCOP W55 [kW x 1] | 4,61 x 3,68 | 10,17 x 3,93 |
| Parametry dla klimatu ciepłego z termostatem pokojowym | | |
| P_{rated} x SCOP W35 [kW x 1] | 4,52 x 5,54 | 9,53 x 6,27 |
| P_{rated} x SCOP W55 [kW x 1] | 4,41 x 4,17 | 9,19 x 4,79 |
| Parametry dla klimatu zimnego z termostatem pokojowym | | |
| P_{rated} x SCOP W35 [kW x 1] | 6,9 x 3,83 | 15,21 x 4,15 |
| P_{rated} x SCOP W55 [kW x 1] | 6,8 x 3,19 | 14,74 x 3,36 |

| Model | | izzifast PRO-N | | izzifast PRO-R | |
|--|---|----------------|-----------|----------------|-----------|
| Temperatura wody grzewczej [°C] | | 35 | 55 | 35 | 55 |
| Klimat umiarkowany | Klasa energetyczna | A+++ | A++ | A+++ | A+++ |
| | Sezonowy współczynnik efektywności [%] | 187 | 144 | 199 | 155 |
| | Roczne zużycie energii [kWh] | 2053 | 2588 | 4246 | 5351 |
| Klimat Ciepły | Klasa energetyczna | A+++ | A+++ | A+++ | A+++ |
| | Sezonowy współczynnik efektywności [%] | 219 | 164 | 248 | 189 |
| | Roczne zużycie energii [kWh] | 1089 | 1412 | 2029 | 2562 |
| Klimat Zimny | Klasa energetyczna | A+++ | A++ | A+++ | A++ |
| | Sezonowy współczynnik efektywności [%] | 150 | 125 | 163 | 131 |
| | Roczne zużycie energii [kWh] [kWh] | 4442 | 5256 | 9037 | 10815 |

Wykres mocy grzewczej i COP





| Model(s): | | | | iZZiFAST PRO-N | | | |
|--|---|-------|--------|--|-------------------|-------|-------------------|
| Air-to-water heat pump: (yes/no) | | | | yes | | | |
| Brine-to-water heat pump: (yes/no) | | | | no | | | |
| Water-to-water heat pump: (yes/no) | | | | no | | | |
| Low-temperature heat pump: (yes/no) | | | | no | | | |
| Equipped with a supplementary heater: (yes/no) | | | | no | | | |
| Heat pump combination heater: (yes/no) | | | | no | | | |
| Application: (low temperature/medium temperature) | | | | medium temperature | | | |
| Climate: (colder/average/warmer) | | | | average | | | |
| Item | Symbol | Value | Unit | Item | Symbol | Value | Unit |
| Rated heat output (1) | Prated | 5 | kW | Seasonal heating energy efficiency | • _s | 144 | % |
| Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature T _j | | | | Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature T _j | | | |
| T _j = -7°C | Pdh | 4,1 | kW | T _j = -7°C | COPd | 2,4 | - |
| T _j = +2°C | Pdh | 2,5 | kW | T _j = +2°C | COPd | 3,7 | - |
| T _j = +7°C | Pdh | 1,6 | kW | T _j = +7°C | COPd | 4,4 | - |
| T _j = +12°C | Pdh | 1,8 | kW | T _j = +12°C | COPd | 5,4 | - |
| T _j = bivalent temperature | Pdh | 4,6 | kW | T _j = bivalent temperature | COPd | 2,1 | - |
| T _j = operation limit temperature | Pdh | 4,6 | kW | T _j = operation limit temperature | COPd | 2,1 | - |
| For air-to-water heat pumps: T _j = -15°C (if TOL <-20°C) | Pdh | - | kW | For air-to-water heat pumps: T _j = -15°C (if TOL <-20°C) | COPd | - | - |
| Bivalent temperature | T _{biv} | -10 | °C | For air-to-water heat pumps: operation limit temperature | TOL | -10 | °C |
| Cycling interval capacity for heating | Pcych | - | kW | Cycling interval capacity for heating | COPcyc | - | - |
| Degradation co-efficient (2) | Cdh | 0,9 | - | Heating water operating limit temperature | WTOL | 70 | °C |
| Power consumption in modes other than active mode | | | | Supplementary heater | | | |
| Off mode | P _{OFF} | 0,016 | kW | Rated heat output (1) | P _{sup} | 0 | kW |
| Thermostat-off mode | PTO | 0,016 | kW | Type of energy input | Electric | | |
| Standby mode | PSB | 0,016 | kW | | | | |
| Crankcase heater mode | PCK | 0 | kW | | | | |
| Other items | | | | | | | |
| Capacity control | variable | | | For air-to-water heat pumps: Rated air flow rate, outdoors | - | 1600 | m ³ /h |
| Sound power level, indoors/outdoors | L _{WA} | -48,4 | dB | For water-/brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger | - | - | m ³ /h |
| Emissions of nitrogen oxides | NO _x | - | mg/kWh | | | | |
| For heat pump combination heater: | | | | | | | |
| Declared load profile | - | | | Water heating energy efficiency | • _{wh} | | % |
| Daily electricity consumption | Q _{elec} | - | kWh | Daily fuel consumption | Q _{fuel} | | kWh |
| Contact details | Acond a.s., Štěrboholská 1434/102a, 102 00 Praha 10 – Hostivař, Česká republika | | | | | | |

| | | | | | | | |
|------------------------------------|--|--|--|----------------|--|--|--|
| Model(s): | | | | iZZiFAST PRO-R | | | |
| Air-to-water heat pump: (yes/no) | | | | yes | | | |
| Brine-to-water heat pump: (yes/no) | | | | no | | | |
| Water-to-water heat pump: (yes/no) | | | | no | | | |

| Low-temperature heat pump: (yes/no) | | | | no | | | |
|--|---|--------|--------|--|-------------------|-------|-------------------|
| Equipped with a supplementary heater: (yes/no) | | | | no | | | |
| Heat pump combination heater: (yes/no) | | | | no | | | |
| Application: (low temperature/medium temperature) | | | | medium temperature | | | |
| Climate: (colder/average/warmer) | | | | average | | | |
| Item | Symbol | Value | Unit | Item | Symbol | Value | Unit |
| Rated heat output (1) | Prated | 10 | kW | Seasonal heating energy efficiency | \bullet_s | 155 | % |
| Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj | | | | Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature Tj | | | |
| Tj = -7°C | Pdh | 9 | kW | Tj = -7°C | COPd | 2,5 | - |
| Tj = +2°C | Pdh | 5,5 | kW | Tj = +2°C | COPd | 3,9 | - |
| Tj = +7°C | Pdh | 3,5 | kW | Tj = +7°C | COPd | 5 | - |
| Tj = +12°C | Pdh | 3,9 | kW | Tj = +12°C | COPd | 6,1 | - |
| Tj = bivalent temperature | Pdh | 10,2 | kW | Tj = bivalent temperature | COPd | 2,1 | - |
| Tj = operation limit temperature | Pdh | 10,2 | kW | Tj = operation limit temperature | COPd | 2,1 | - |
| For air-to-water heat pumps: Tj = -15°C (if TOL < -20°C) | Pdh | - | kW | For air-to-water heat pumps: Tj = -15°C (if TOL < -20°C) | COPd | - | - |
| Bivalent temperature | Tbiv | -10 | °C | For air-to-water heat pumps: operation limit temperature | TOL | -10 | °C |
| Cycling interval capacity for heating | Pcyc | - | kW | Cycling interval capacity for heating | COPcyc | - | - |
| Degradation co-efficient (2) | Cdh | 0,9 | - | Heating water operating limit temperature | WTOL | 70 | °C |
| Power consumption in modes other than active mode | | | | Supplementary heater | | | |
| Off mode | P _{OFF} | 0,016 | kW | Rated heat output (1) | P _{sup} | 0 | kW |
| Thermostat-off mode | P _{TO} | 0,016 | kW | Type of energy input | Electric | | |
| Standby mode | P _{SB} | 0,016 | kW | | | | |
| Crankcase heater mode | P _{CK} | 0 | kW | | | | |
| Other items | | | | | | | |
| Capacity control | variable | | | For air-to-water heat pumps: Rated air flow rate, outdoors | - | 3400 | m ³ /h |
| Sound power level, indoors/outdoors | L _{WA} | -/49,3 | dB | For water-/brine-to-water heat pumps: | - | - | m ³ /h |
| Emissions of nitrogen oxides | NO _x | - | mg/kWh | Rated brine or water flow rate, outdoor heat exchanger | - | - | - |
| For heat pump combination heater: | | | | | | | |
| Declared load profile | - | | | Water heating energy efficiency | \bullet_{wh} | - | % |
| Daily electricity consumption | Q _{elec} | - | kWh | Daily fuel consumption | Q _{fuel} | - | kWh |
| Contact details | Acond a.s., Štěrboholská 1434/102a, 102 00 Praha 10 – Hostivař, Česká republika | | | | | | |

(1) For heat pump space heaters and heat pump combination heaters, the rated heat output *Prated* is equal to the design load for heating *Pdesignh*, and the rated heat output of a supplementary heater *Psup* is equal to the supplementary capacity for heating *sup(Tj)*.

(2) If *Cdh* is not determined by measurement then the default degradation coefficient is *Cdh* = 0,9.

