NEW!
NIBE FIGHTER 1150



NIBE FIGHTER 1150

- Produces optimal annual heating factor thanks to the inverter controlled compressor.
- Minimal operational running costs - the compressor adapts as necessary.
- Integrated clock for scheduling extra hot water.
- Prepared for pool heating.
- Prepared for control of two heating systems.

NIBE FIGHTER 1150

Heat pump with rock, ground or lake as heat source.

NIBE FIGHTER 1150 is a complete heat pump for heating detached and terraced houses with rock, the ground or lakes as heat source. The heat pump adjusts itself automatically to the power demand of the house. This results in optimal savings as the heat pump always runs at the correct performance all year round without the addition of extra electrical peaks. The heat pump is connected to an optional low temperature distribution system. e.g. radiators, convectors or under floor heating. It is also prepared for connection to several different products and accessories, e.g. hot water heater, ventilation recovery, pool, free cooling and heating systems with different temperatures. FIGHTER 1150 is equipped with a control computer for many options, e.g. good comfort, good economy and safe operation. FIGHTER 1150 is constructed on a robust frame with durable panels and effective soundproofing for the best possible comfort.

NIBE

Technical specifications NIBE FIGHTER 1150

Type		FIGHTER 1150
Nominal rated/supplied power at 0/45 °C 60 Hz	(kW)	8,3/2,5 [1, 2]
Rated output 30 Hz - 120 Hz at 0/45 °C	(kW)	3,9 - 15,8 [2]
Operating voltage	(V)	3 x 400 V + N + PE 50 Hz
Max phase current with 3kW immersion heater	(A)	19
Fuse		protection type D
Max operating current, compressor	(A)	12
Electrical addition	(kW)	Only addition 9 (3+6), Standby mode 6
Max output brine pump	(W)	140
Max output heating medium pump	(W)	70
Connection Brine male Ø	(mm)	28
Connection heating medium male Ø	(mm)	22
Max pressure in heat medium system	(MPa/bar)	0,6 / 6
Max pressure brine system	(MPa/bar)	0,3 / 3
Min pressure brine system	(MPa/bar)	0,08 / 0,8
Refrigerant quantity (R407C)	(kg)	2,2
Nominal pressure drop in evaporator	(kPa)	7,8
Nominal flow brine 60 Hz	l/s	0,47
Available pressure brine system	(MPa/bar)	see pumps section B
Operating temperature brine in	(°C)	-5 – +20
Nominal flow heating medium at 60 Hz	(l/s)	0,4
Available pressure, heating medium	(MPa/bar)	see pumps section B
Pressure drop condenser at nominal flow	(kPa)	3,6
Max temperature (Supply/return pipes)	(°C)	65 / 56
Cut-out value pressostat HP	(MPa/bar)	2,9 / 29
Difference pressostat HP	(MPa/bar)	-0,7 / -7
Cut-out value pressostat LP	(MPa/bar)	0,15 / 1,5
Difference pressostat LP	(MPa/bar)	+0,15 / +1,5
Enclosure class		IP 21
Dimensions (WxDxH)	(mm)	598 x 625 x 1000
Net weight	(kg)	195



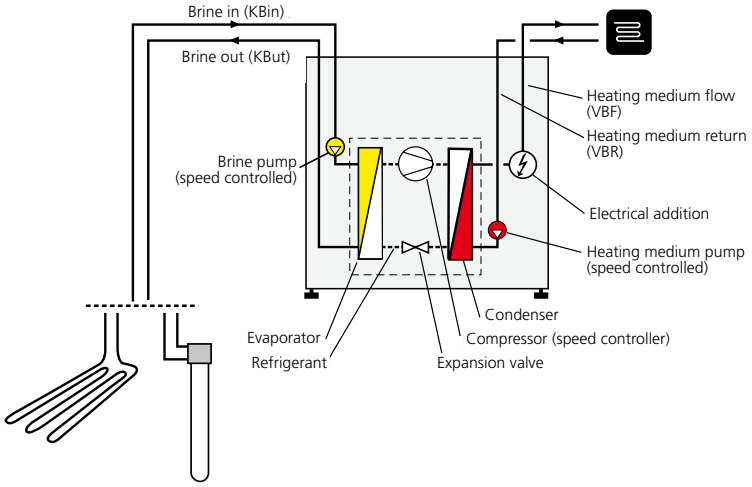
System description

Principle of operation

FIGHTER 1150 consists of a heat pump, immersion heater, circulation pumps and control computer with display. FIGHTER 1150 is connected to the brine and heating medium circuits.

The heat from the heat source (rock, soil, lake) is taken up via a closed cooling medium system in which a mixture of water and antifreeze circulates.

The brine emits its heat to the refrigerant in the heat pump's evaporator. It then vaporises and is compressed in the compressor. The refrigerant, the temperature of which has now been raised, is passed to the condenser where it gives off its energy to the heating medium circuit and, if necessary, to the water heater.



[1] Output data at 0/45 °C 60 Hz is according to EN 14511. Electrical addition not included.

[2] Driving power for circulation pumps not included EN 14511.

KIF GB M-10624 F1150 0817-1

NIBE makes reservations for any factual or printing errors.