



# TruHeat HF Series 1000 / 3000 / 5000

Technical data



**TruHeat HF 5005 (H)****TruHeat HF 5010 (H)****TruHeat HF 1005****OUTPUT**

RATED OUTPUT	5 kW	10 kW	5 kW
MAXIMUM OUTPUT CURRENT	210 A eff	210 A eff	560 A eff
MAXIMUM OUTPUT VOLTAGE	600 V eff	600 V eff	1500 V eff
NOMINAL OPERATING FREQUENCY	60 kHz - 400 kHz	60 kHz - 400 kHz	50 kHz - 800 kHz
LENGTH, POWER CABLE	5 m - 20 m	5 m - 20 m	0.5 m - 3 m

**NETWORK CONNECTION DATA**

LINE VOLTAGE	(±10%) 200 V - 400 V	(±10%) - 400 V	(±10%) 200 V - 400 V
LINE FREQUENCY	50 Hz - 60 Hz	50 Hz - 60 Hz	50 Hz - 60 Hz
NETWORK INPUT POWER	6.2 kVA	12.2 kVA	6.5 kVA
POWER FACTOR	0.95	0.95	0.95

**HOUSING**

WEIGHT	39 kg	39 kg	16 kg
IP PROTECTION CLASS	IP30	IP30	IP30

**COOLING REQUIREMENTS**

MAX. WATER PRESSURE	6 bar	6 bar	6 bar
MIN. PRESSURE DIFFERENTIAL	3 bar	3 bar	3 bar
MIN. FLOW RATE	3.5 l/min	3.5 l/min	4.2 l/min
COOLANT TEMPERATURE	- 35 °C	- 35 °C	- 35 °C

**OUTER CIRCLE**

WEIGHT	6 kg	6 kg	12 kg
IP PROTECTION CLASS	IP54	IP54	IP54

**GENERAL**

OVERALL EFFICIENCY	90 %	90 %	90 %
CERTIFICATES / STANDARDS	CE declaration of conformity	CE declaration of conformity	CE declaration of conformity

**AMBIENT CONDITIONS**

OUTSIDE TEMPERATURE	10 °C - 45 °C	10 °C - 45 °C	10 °C - 45 °C
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**TruHeat HF 3005****TruHeat HF 3005 (H)****TruHeat HF 5005****OUTPUT**

RATED OUTPUT	5 kW	5 kW	5 kW
MAXIMUM OUTPUT CURRENT	560 A eff	210 A eff	560 A eff
MAXIMUM OUTPUT VOLTAGE	1500 V eff	600 V eff	1500 V eff
NOMINAL OPERATING FREQUENCY	50 kHz - 800 kHz	60 kHz - 400 kHz	50 kHz - 800 kHz
LENGTH, POWER CABLE	0.5 m - 3 m	5 m - 20 m	0.5 m - 3 m

**NETWORK CONNECTION DATA**

LINE VOLTAGE	(±10%) 200 V - 400 V	(±10%) 200 V - 400 V	(±10%) 200 V - 400 V
LINE FREQUENCY	50 Hz - 60 Hz	50 Hz - 60 Hz	50 Hz - 60 Hz
NETWORK INPUT POWER	6.5 kVA	6.2 kVA	6.5 kVA

**TruHeat HF 3005****TruHeat HF 3005 (H)****TruHeat HF 5005**

POWER FACTOR

0.95

0.95

0.95

**HOUSING**

WEIGHT

30 kg

28 kg

41 kg

IP PROTECTION CLASS

IP54

IP30

IP54

**COOLING REQUIREMENTS**

MAX. WATER PRESSURE

6 bar

6 bar

6 bar

MIN. PRESSURE DIFFERENTIAL

3 bar

3 bar

3 bar

MIN. FLOW RATE

9.5 l/min

3.5 l/min

9.5 l/min

COOLANT TEMPERATURE

- 35 °C

- 35 °C

- 35 °C

**OUTER CIRCLE**

WEIGHT

12 kg

6 kg

12 kg

IP PROTECTION CLASS

IP54

IP54

IP54

**GENERAL**

OVERALL EFFICIENCY

90 %

90 %

90 %

CERTIFICATES / STANDARDS

CE declaration of conformity

CE declaration of conformity

CE declaration of conformity

**AMBIENT CONDITIONS**

OUTSIDE TEMPERATURE

10 °C - 45 °C

10 °C - 45 °C

10 °C - 45 °C

**TruHeat HF 1010****TruHeat HF 3010 (H)****TruHeat HF 3010****OUTPUT**

RATED OUTPUT

10 kW

10 kW

10 kW

MAXIMUM OUTPUT CURRENT

560 A eff

210 A eff

560 A eff

MAXIMUM OUTPUT VOLTAGE

1500 V eff

600 V eff

1500 V eff

NOMINAL OPERATING FREQUENCY

50 kHz - 800 kHz

60 kHz - 400 kHz

50 kHz - 800 kHz

LENGTH, POWER CABLE

0.5 m - 3 m

5 m - 20 m

0.5 m - 3 m

**NETWORK CONNECTION DATA**

LINE VOLTAGE

(±10%) 400 V

(±10%) - 400 V

(±10%) 400 V

LINE FREQUENCY

50 Hz - 60 Hz

50 Hz - 60 Hz

50 Hz - 60 Hz

NETWORK INPUT POWER

12.5 kVA

12.2 kVA

12.5 kVA

POWER FACTOR

0.95

0.95

0.95

**HOUSING**

WEIGHT

16 kg

39 kg

30 kg

IP PROTECTION CLASS

IP30

IP30

IP54

**COOLING REQUIREMENTS**

MAX. WATER PRESSURE

6 bar

6 bar

6 bar

MIN. PRESSURE DIFFERENTIAL

3 bar

3 bar

3 bar

MIN. FLOW RATE

4.2 l/min

3.5 l/min

9.5 l/min

COOLANT TEMPERATURE

- 35 °C

- 35 °C

- 35 °C

**OUTER CIRCLE**

**TruHeat HF 1010****TruHeat HF 3010 (H)****TruHeat HF 3010**

WEIGHT	12 kg	6 kg	12 kg
IP PROTECTION CLASS	IP54	IP54	IP54

**GENERAL**

OVERALL EFFICIENCY	90 %	90 %	90 %
CERTIFICATES / STANDARDS	CE declaration of conformity	CE declaration of conformity	CE declaration of conformity

**AMBIENT CONDITIONS**

OUTSIDE TEMPERATURE	10 °C - 45 °C	10 °C - 45 °C	10 °C - 45 °C
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**TruHeat HF 5010****OUTPUT**

RATED OUTPUT	10 kW
MAXIMUM OUTPUT CURRENT	560 A eff
MAXIMUM OUTPUT VOLTAGE	1500 V eff
NOMINAL OPERATING FREQUENCY	50 kHz - 800 kHz
LENGTH, POWER CABLE	0.5 m - 3 m

**NETWORK CONNECTION DATA**

LINE VOLTAGE	(±10%) 400 V
LINE FREQUENCY	50 Hz - 60 Hz
NETWORK INPUT POWER	12.5 kVA
POWER FACTOR	0.95

**HOUSING**

WEIGHT	41 kg
IP PROTECTION CLASS	IP54

**COOLING REQUIREMENTS**

MAX. WATER PRESSURE	6 bar
MIN. PRESSURE DIFFERENTIAL	3 bar
MIN. FLOW RATE	9.5 l/min
COOLANT TEMPERATURE	- 35 °C

**OUTER CIRCLE**

WEIGHT	12 kg
IP PROTECTION CLASS	IP54

**GENERAL**

OVERALL EFFICIENCY	90 %
CERTIFICATES / STANDARDS	CE declaration of conformity

**AMBIENT CONDITIONS**

OUTSIDE TEMPERATURE	10 °C - 45 °C
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