

TRUMPF



TruHeat HF Series 1000 / 3000 / 5000

Technical data

TRUMPF



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
---------------------	---------------	---------------	---------------

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
---------------------	---------------	---------------	---------------

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
---------------------	---------------