



TruHeat MF Series 3000 / 5000 / 7000

Technical data



TruHeat MF 3010**TruHeat MF 3020****TruHeat MF 3030****OUTPUT**

RATED POWER	10 kW	20 kW	30 kW
MAXIMUM OUTPUT VOLTAGE	600 V eff	600 V eff	600 V eff
NOMINAL OPERATING FREQUENCY	5 kHz - 200 kHz	5 kHz - 200 kHz	5 kHz - 200 kHz
LENGTH OF POWER CABLE	5 m - 25 m	5 m - 25 m	5 m - 25 m

NETWORK CONNECTION DATA

LINE VOLTAGE	(±10%) 400 V - 480 V	(±10%) 400 V - 480 V	(±10%) 400 V - 480 V
LINE FREQUENCY	50 Hz - 60 Hz	50 Hz - 60 Hz	50 Hz - 60 Hz
LINE INPUT POWER	23 kVA	25 kVA	37 kVA
POWER FACTOR	0.96	0.96	0.96

COMMUNICATION INTERFACES

ANALOG/DIGITAL	yes	yes	- yes
RS 232 / RS 485	yes	yes	- yes
PROFIBUS	yes	yes	- yes

HOUSING

WEIGHT	87 kg	87 kg	87 kg
IP PROTECTION CLASS	IP21	IP21	IP21

COOLING REQUIREMENTS

MAXIMUM WATER PRESSURE	6 bar	6 bar	6 bar
MINIMUM PRESSURE DIFFERENCE	3 bar	3 bar	3 bar
MINIMUM FLOW RATE	16.5 l/min	16.5 l/min	16.5 l/min
COOLANT TEMPERATURE	- 35 °C	- 35 °C	- 35 °C

OUTER CIRCLE

WEIGHT	21 kg	21 kg	21 kg
IP PROTECTION CLASS	IP54	IP54	IP54

GENERAL

OVERALL EFFICIENCY	87 %	87 %	87 %
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 MF 3040**TruHeat MF 5010****TruHeat MF 5020****OUTPUT**

RATED POWER	40 kW	10 kW	20 kW
MAXIMUM OUTPUT VOLTAGE	600 V eff	600 V eff	600 V eff
NOMINAL OPERATING FREQUENCY	5 kHz - 200 kHz	5 kHz - 200 kHz	5 kHz - 200 kHz
LENGTH OF POWER CABLE	5 m - 25 m	5 m - 25 m	5 m - 25 m

TruHeat MF 3040**TruHeat MF 5010****TruHeat MF 5020****NETWORK CONNECTION DATA**

LINE VOLTAGE	(±10%) 400 V - 480 V	(±10%) 400 V - 480 V	(±10%) 400 V - 480 V
LINE FREQUENCY	50 Hz - 60 Hz	50 Hz - 60 Hz	50 Hz - 60 Hz
LINE INPUT POWER	49 kVA	-	25 kVA
POWER FACTOR	0.96	0.96	0.96

COMMUNICATION INTERFACES

ANALOG/DIGITAL	yes	yes	- yes
RS 232 / RS 485	yes	yes	yes
PROFIBUS	yes	yes	- yes

HOUSING

WEIGHT	87 kg	105 kg	105 kg
IP PROTECTION CLASS	IP21	IP21	IP21

COOLING REQUIREMENTS

MAXIMUM WATER PRESSURE	6 bar	6 bar	6 bar
MINIMUM PRESSURE DIFFERENCE	3 bar	3 bar	3 bar
MINIMUM FLOW RATE	16.5 l/min	16.5 l/min	16.5 l/min
COOLANT TEMPERATURE	- 35 °C	- 35 °C	- 35 °C

OUTER CIRCLE

WEIGHT	21 kg	21 kg	21 kg
IP PROTECTION CLASS	IP54	IP54	IP54

GENERAL

OVERALL EFFICIENCY	87 %	87 %	87 %
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 MF 5030**TruHeat MF 7020****TruHeat MF 7030****OUTPUT**

RATED POWER	30 kW	20 kW	30 kW
MAXIMUM OUTPUT VOLTAGE	600 V eff	600 V eff	600 V eff
NOMINAL OPERATING FREQUENCY	5 kHz - 200 kHz	5 kHz - 200 kHz	5 kHz - 200 kHz
LENGTH OF POWER CABLE	5 m - 25 m	5 m - 25 m	5 m - 25 m

NETWORK CONNECTION DATA

LINE VOLTAGE	(±10%) 400 V - 480 V	(±10%) 400 V - 480 V	(±10%) 400 V - 480 V
LINE FREQUENCY	50 Hz - 60 Hz	50 Hz - 60 Hz	50 Hz - 60 Hz
LINE INPUT POWER	37 kVA	25 kVA	37 kVA
POWER FACTOR	0.96	0.96	0.96

TruHeat MF 5030**TruHeat MF 7020****TruHeat MF 7030****COMMUNICATION INTERFACES**

ANALOG/DIGITAL	yes	yes	- yes
RS 232 / RS 485	- yes	- yes	yes
PROFIBUS	yes	yes	- yes

HOUSING

WEIGHT	105 kg	220 kg	220 kg
IP PROTECTION CLASS	IP21	IP54	IP54

COOLING REQUIREMENTS

MAXIMUM WATER PRESSURE	6 bar	6 bar	6 bar
MINIMUM PRESSURE DIFFERENCE	3 bar	3 bar	3 bar
MINIMUM FLOW RATE	16.5 l/min	21.5 l/min	21.5 l/min
COOLANT TEMPERATURE	- 35 °C	- 35 °C	- 35 °C

OUTER CIRCLE

WEIGHT	21 kg	21 kg	21 kg
IP PROTECTION CLASS	IP54	IP54	IP54

GENERAL

OVERALL EFFICIENCY	87 %	87 %	87 %
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 MF 7040**OUTPUT**

RATED POWER	40 kW
MAXIMUM OUTPUT VOLTAGE	600 V eff
NOMINAL OPERATING FREQUENCY	5 kHz - 200 kHz
LENGTH OF POWER CABLE	5 m - 25 m

NETWORK CONNECTION DATA

LINE VOLTAGE	(±10%) 400 V - 480 V
LINE FREQUENCY	50 Hz - 60 Hz
LINE INPUT POWER	49 kVA
POWER FACTOR	0.96

COMMUNICATION INTERFACES

ANALOG/DIGITAL	yes
RS 232 / RS 485	- yes
PROFIBUS	yes

TruHeat MF 7040

HOUSING

WEIGHT	220 kg
IP PROTECTION CLASS	IP54

COOLING REQUIREMENTS

MAXIMUM WATER PRESSURE	6 bar
MINIMUM PRESSURE DIFFERENCE	3 bar
MINIMUM FLOW RATE	21.5 l/min
COOLANT TEMPERATURE	- 35 °C

OUTER CIRCLE

WEIGHT	21 kg
IP PROTECTION CLASS	IP54

GENERAL

OVERALL EFFICIENCY	87 %
CERTIFICATES / STANDARDS	CE declaration of conformity

AMBIENT CONDITIONS

OUTSIDE TEMPERATURE	10 °C - 45 °C
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