



# TruPlasma VHF Series 3000

Technical data



**TruPlasma VHF  
1000-2.5/60****TruPlasma VHF  
3000-5/40****TruPlasma VHF  
3000-10/40****RF OUTPUT**

OUTPUT POWER	2.5 kW	5 kW	10 kW
RATED POWER	2.5 kW	5 kW	10 kW
NOMINAL LOAD IMPEDANCE	50 Ω	50 Ω	50 Ω
OUTPUT FREQUENCY	60 MHz	40.68 MHz	40.68 MHz

**NETWORK CONNECTION DATA**

LINE VOLTAGE	200 - 480 V	200 - 480 V	200 - 480 V
LINE FREQUENCY	50-60 Hz	50-60 Hz	50-60 Hz
LINE INPUT POWER	4 kVA	9.3 kVA	18.6 kVA
POWER FACTOR	0.95	0.95	0.95

**COMMUNICATION INTERFACES**

SYNC INTERFACES	yes	yes	yes
ANALOG/DIGITAL	yes	yes	yes
RS 232 / RS 485	yes	yes	yes
PROFIBUS	no	no	no
ETHERCAT	yes	yes	yes
DEVICENET	yes	yes	yes

**HOUSING**

WEIGHT	23 kg	32 kg	53 kg
IP PROTECTION CLASS	30	30	30

**COOLING REQUIREMENTS**

MAXIMUM WATER PRESSURE	7 bar	7 bar	7 bar
MINIMUM PRESSURE DIFFERENCE	2 bar	2 bar	2 bar
MINIMUM FLOW RATE	8 l/min	8 l/min	10 l/min
COOLANT TEMPERATURE	5 °C - 35 °C	5 °C - 35 °C <sup>1</sup>	5 °C - 35 °C

**GENERAL**

OVERALL EFFICIENCY	70 %	70 %	70 %
CERTIFICATES / STANDARDS	Semi S2, SEMI F47,UL, CE, RoHs	SEMI S2, SEMI F47, UL, CE, RoHs	Semi S2, SEMI F47,UL, CE, RoHs

**AMBIENT CONDITIONS**

OUTSIDE TEMPERATURE	5 °C - 40 °C	5 °C - 40 °C	5 °C - 40 °C
HUMIDITY	5 % - 85 %	5 % - 85 %	5 % - 85 %
BAROMETRIC PRESSURE	79.5 kPa - 106 kPa	79.5 kPa - 106 kPa	79.5 kPa - 106 kPa

**TruPlasma VHF 3000-10/60****RF OUTPUT**

OUTPUT POWER	10 kW
RATED POWER	10 kW
NOMINAL LOAD IMPEDANCE	50 Ω
OUTPUT FREQUENCY	60 MHz

# TruPlasma VHF 3000-10/60

## NETWORK CONNECTION DATA

LINE VOLTAGE	200 - 480 V
LINE FREQUENCY	50-60 Hz
LINE INPUT POWER	18.6 kVA
POWER FACTOR	0.95

## COMMUNICATION INTERFACES

SYNC INTERFACES	yes
ANALOG/DIGITAL	yes
RS 232 / RS 485	yes
PROFIBUS	no
ETHERCAT	yes
DEVICENET	yes

## HOUSING

WEIGHT	53 kg
IP PROTECTION CLASS	30

## COOLING REQUIREMENTS

MAXIMUM WATER PRESSURE	7 bar
MINIMUM PRESSURE DIFFERENCE	2 bar
MINIMUM FLOW RATE	10 l/min
COOLANT TEMPERATURE	5 °C - 35 °C

## GENERAL

OVERALL EFFICIENCY	70 %
CERTIFICATES / STANDARDS	Semi S2, SEMI F47,UL, CE, RoHs

## AMBIENT CONDITIONS

OUTSIDE TEMPERATURE	5 °C - 40 °C
HUMIDITY	5 % - 85 %
BAROMETRIC PRESSURE	79.5 kPa - 106 kPa

## Footnotes

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1 — The cooling water temperature must exceed the dew point of the room air temperature to ensure no condensation.