



TruPlasma VHF Series 3000

Technical data



TruPlasma VHF 1000**TruPlasma VHF 3000****TruPlasma VHF 3010****RF OUTPUT**

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

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	18 kVA	18 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	yes	yes	yes
ETHERCAT	yes	yes	yes
DEVICENET	yes	yes	yes

HOUSING

WEIGHT	23 kg	53 kg	60 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	10 l/min	10 l/min
COOLANT TEMPERATURE	5 °C - 35 °C	5 °C - 35 °C	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 3005**RF OUTPUT**

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

TruPlasma VHF 3005

NETWORK CONNECTION DATA

LINE VOLTAGE	200 - 480 V
LINE FREQUENCY	50-60 Hz
LINE INPUT POWER	18 kVA
POWER FACTOR	0.95

COMMUNICATION INTERFACES

SYNC INTERFACES	yes
ANALOG/DIGITAL	yes
RS 232 / RS 485	yes
PROFIBUS	yes
ETHERCAT	yes
DEVICENET	yes

HOUSING

WEIGHT	55 kg
IP PROTECTION CLASS	30

COOLING REQUIREMENTS

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

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

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