

**TRUMPF**



# TruPlasma RF Series 3000

Technical data

**TRUMPF**



**TruPlasma RF  
3000-6/13****TruPlasma RF 3012****TruPlasma RF 3020****RF OUTPUT**

OUTPUT POWER	6 kW	12 kW	20 kW
RATED POWER	6 kW		
NOMINAL LOAD IMPEDANCE	50 Ω	50 Ω	50 Ω
OUTPUT FREQUENCY	13.56 MHz	13.56 MHz	13.56 MHz
RATED OUTPUT		12 kW	20 kW

**NETWORK CONNECTION DATA**

LINE VOLTAGE	200 - 480 V	400 - 480 V	400 - 480 V
LINE FREQUENCY	50-60 Hz	50-60 Hz	50-60 Hz
LINE INPUT POWER	7.9 kVA		
POWER FACTOR	0.95	0.93	0.93
NETWORK INPUT POWER		16.6 kVA	28.1 kVA

**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	38 kg	57 kg	117 kg
IP PROTECTION CLASS	30	20	20

**COOLING REQUIREMENTS**

MAXIMUM WATER PRESSURE	7 bar		
MINIMUM PRESSURE DIFFERENCE	1.1 bar		
MINIMUM FLOW RATE	8 l/min		
COOLANT TEMPERATURE	5 °C - 35 °C <sup>1</sup>	5 °C - 35 °C <sup>1</sup>	5 °C - 35 °C
MAX. WATER PRESSURE		7 bar	7 bar
MIN. PRESSURE DIFFERENTIAL		2 bar	2 bar
MIN. FLOW RATE		10 l/min	20 l/min

**GENERAL**

OVERALL EFFICIENCY	80 %	78 %	75 %
CERTIFICATES / STANDARDS	SEMI S2, SEMI F47, UL, CSA, CE, RoHs	SEMI F47, CE, RoHs	SEMI F47, 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

Subject to changes. The information in our offer and our order confirmation is definitive.

# TruPlasma RF 3024

## RF OUTPUT

OUTPUT POWER	24 kW
RATED POWER	
NOMINAL LOAD IMPEDANCE	50 $\Omega$
OUTPUT FREQUENCY	13.56 MHz
RATED OUTPUT	24 kW

## NETWORK CONNECTION DATA

LINE VOLTAGE	400 - 480 V
LINE FREQUENCY	50-60 Hz
LINE INPUT POWER	
POWER FACTOR	0.93
NETWORK INPUT POWER	33.3 kVA

## COMMUNICATION INTERFACES

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

## HOUSING

WEIGHT	117 kg
IP PROTECTION CLASS	20

## COOLING REQUIREMENTS

MAXIMUM WATER PRESSURE	
MINIMUM PRESSURE DIFFERENCE	
MINIMUM FLOW RATE	
COOLANT TEMPERATURE	5 °C - 35 °C <sup>1</sup>
MAX. WATER PRESSURE	7 bar
MIN. PRESSURE DIFFERENTIAL	2 bar
MIN. FLOW RATE	20 l/min

## GENERAL

OVERALL EFFICIENCY	75 %
CERTIFICATES / STANDARDS	SEMI F47, 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.