



TruPlasma RF Series 3000

Technical data



TruPlasma RF 3012**TruPlasma RF 3020****TruPlasma RF 3024****RF OUTPUT**

OUTPUT POWER	12 kW	20 kW	24 kW
RATED OUTPUT	12 kW	20 kW	24 kW
NOMINAL LOAD IMPEDANCE	50 Ω	50 Ω	50 Ω
OUTPUT FREQUENCY	13.56 MHz	13.56 MHz	13.56 MHz

NETWORK CONNECTION DATA

LINE VOLTAGE	400 - 480 V	400 - 480 V	400 - 480 V
LINE FREQUENCY	50-60 Hz	50-60 Hz	50-60 Hz
NETWORK INPUT POWER	16.6 kVA	28.1 kVA	33.3 kVA
POWER FACTOR	0.93	0.93	0.93

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	57 kg	117 kg	117 kg
IP PROTECTION CLASS	20	20	20

COOLING REQUIREMENTS

MAX. WATER PRESSURE	7 bar	7 bar	7 bar
MIN. PRESSURE DIFFERENTIAL	2 bar	2 bar	2 bar
MIN. FLOW RATE	10 l/min	20 l/min	20 l/min
COOLANT TEMPERATURE	5 °C - 35 °C ¹	5 °C - 35 °C	5 °C - 35 °C ¹

GENERAL

OVERALL EFFICIENCY	78 %	75 %	75 %
CERTIFICATES / STANDARDS	SEMI F47, 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

TruPlasma RF 7040**TruPlasma RF 7050****RF OUTPUT**

OUTPUT POWER	40 kW	50 kW
RATED OUTPUT	40 kW	50 kW
NOMINAL LOAD IMPEDANCE	50 Ω	50 Ω
OUTPUT FREQUENCY	13.56 MHz	13.56 MHz

TruPlasma RF 7040**TruPlasma RF 7050****NETWORK CONNECTION DATA**

LINE VOLTAGE	400 - 480 V	400 - 480 V
LINE FREQUENCY	50/60 Hz	50/60 Hz
NETWORK INPUT POWER	80 kVA	100 kVA
POWER FACTOR	-	-

COMMUNICATION INTERFACES

SYNC INTERFACES	Yes	Yes
ANALOG/DIGITAL	Yes	Yes
RS 232 / RS 485	Yes	Yes
PROFIBUS	Yes	Yes
ETHERCAT	No	No
DEVICENET	Yes	Yes

HOUSING

WEIGHT	1000 kg	1200 kg
IP PROTECTION CLASS	54	54

COOLING REQUIREMENTS

MAX. WATER PRESSURE	6 bar	6 bar
MIN. PRESSURE DIFFERENTIAL	2.5 bar	2.5 bar
MIN. FLOW RATE	46 l/min	56 l/min
COOLANT TEMPERATURE	10 °C - 35 °C ¹	10 °C - 35 °C ¹

GENERAL

OVERALL EFFICIENCY	-	-
CERTIFICATES / STANDARDS	CE, SEMI F47	CE, SEMI F47

AMBIENT CONDITIONS

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