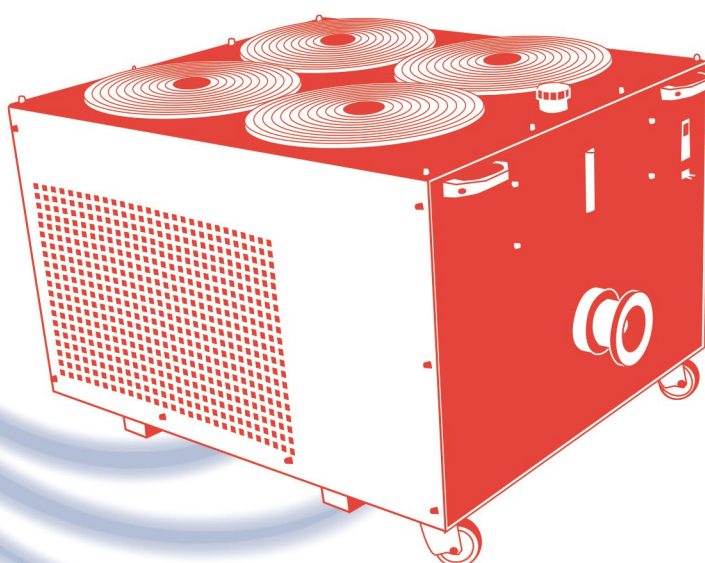


POWER DUMMY LOADS

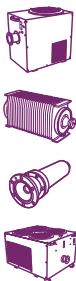


=> Search by Part Number



- ⇒ Robust Coaxial Construction
- ⇒ Non Inductive Thick Film Rod Resistor
- ⇒ Oversized for Garanteed Long Time Performance
- ⇒ Low VSWR
- ⇒ Safety loop Interlock
- ⇒ Silent Products
- ⇒ Power Measurement

1.2 kW Oil cooled	3	100 kW Water cooled	16
2.5 kW Oil cooled	4	5 kW Water cooled Coaxial	17
2.5 kW Forced air oil cooled	5	30 kW Water cooled Coaxial	18
4 kW Forced air oil cooled	6	50 kW Water cooled Coaxial	19
5 kW Oil cooled	7	2.5 kW Oil cooled with digital calorimeter	20
5 kW Silent Low Energy Oil cooled	8	5 kW Oil cooled with digital calorimeter	21
10 kW Oil cooled	9	10 kW Oil cooled with digital calorimeter	22
10 kW Silent Low Energy Oil cooled	10	15 kW Water cooled with digital calorimeter	23
10 kW Water cooled	11	25 kW Water cooled with digital calorimeter	24
15 kW Water cooled	12	50 kW Water cooled with digital calorimeter	25
25 kW Water cooled	13	20 kW - 400 kW Peak Water Cooled Load	26
50 kW Water cooled	14	Search by Part Number	27
75 kW Water cooled	15		



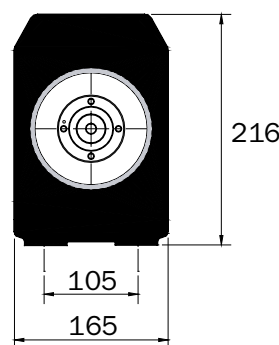
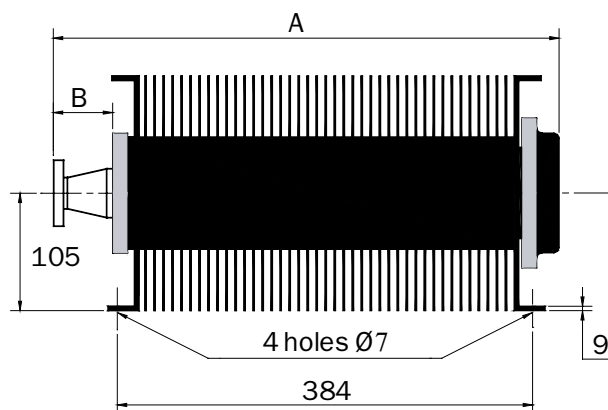
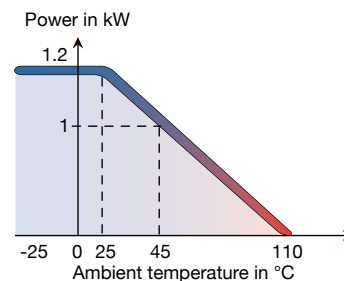
1.2 kW Oil cooled



Standards
NF C 96-315
MIL-DTL-39030



Impedance	$50 \Omega \pm 5\%$
Frequency	DC – 1 GHz (on request DC – 2.5 GHz)
Max VSWR	≤ 1.10 at 1 GHz
Temperature range	-25 to +110°C
Average power @ 25°C	1.2 kW
Cooling	Natural air convection
Weight	16 kg



Dimensions in mm

[Return to Search by Part Number](#)

P/N	Connector	A	B
17-5243***	N f	477	50
17-0305	7-16 f	449	22
17-0429*	7-16 f	449	22
17-0741**	7-16 f	449	22
17-5240	EIA 7/8"	482	55
17-0023*	EIA 7/8"	482	55
17-0442**	EIA 7/8"	482	55
17-5239	EIA 1.5/8"	504	77
17-0010**	EIA 1.5/8"	504	77
17-0171*	EIA 1.5/8"	504	77

Option	
FM40	VSWR ≤ 1.02 from 87 to 108 MHz for FM
BIII	VSWR ≤ 1.05 from 170 to 230 MHz for BIII
NU	VSWR ≤ 1.05 from 470 to 860 MHz for DVB

* Thermoswitch 130°C
 ** Thermoswitch 90°C
 *** NNO 5985-14-556-3890



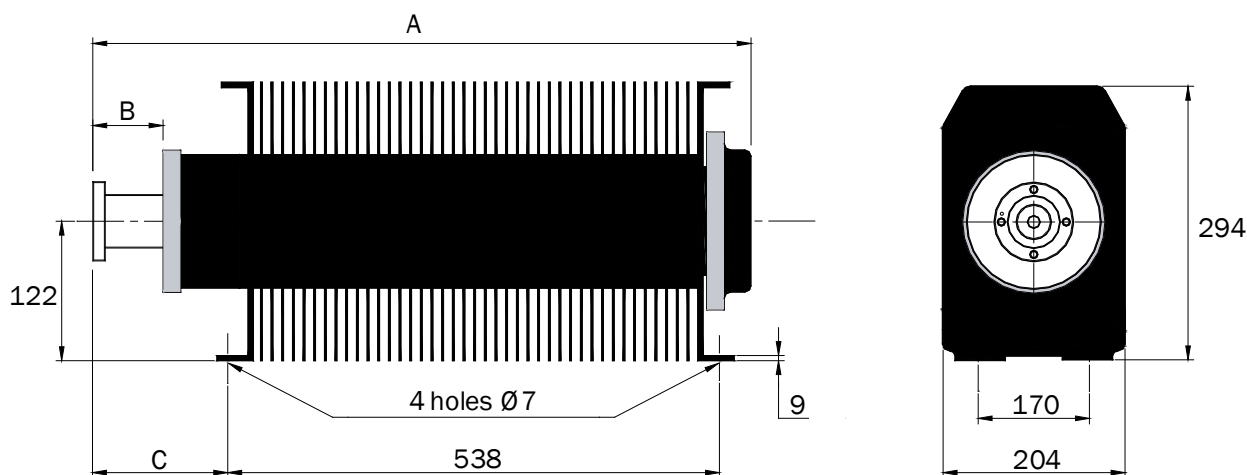
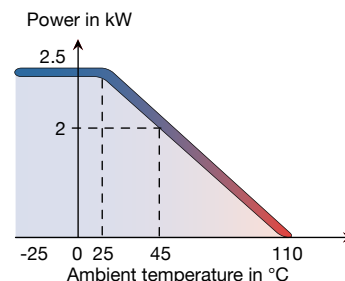
2.5 kW Oil cooled



Standards
NF C 96-315
MIL-DTL-39030



Impedance	50 $\Omega \pm 5\%$
Frequency	DC – 1 GHz (on request DC – 2.5 GHz)
Max VSWR	≤ 1.10 at 1 GHz
Temperature range	-25 to +110°C
Average power @ 25°C	2.5 kW
Cooling	Natural air convection
Weight	32 kg



Dimensions in mm

[Return to Search by Part Number](#)

P/N	Connector	A	B	C
17-0328	7-16 f	687	48	106
17-0563**	7-16 f	687	48	106
17-0797*	7-16 f	687	48	106
17-5241	EIA 7/8"	692.5	53.5	111.5
17-0542**	EIA 7/8"	692.5	53.5	111.5
17-5238	EIA 1.5/8"	716	77	135
17-0081*	EIA 1.5/8"	716	77	135
17-0359**	EIA 1.5/8"	716	77	135
17-0904	EIA 1.5/8"UF	700.5	61.5	119.5
17-3184	EIA 3.1/8"	732	93	151

* Thermoswitch 90°C
** Thermoswitch 160°C

Option	
FM40	VSWR ≤ 1.02 from 87 to 108 MHz for FM
BIII	VSWR ≤ 1.05 from 170 to 230 MHz for BIII
NU	VSWR ≤ 1.05 from 470 to 860 MHz for DVB

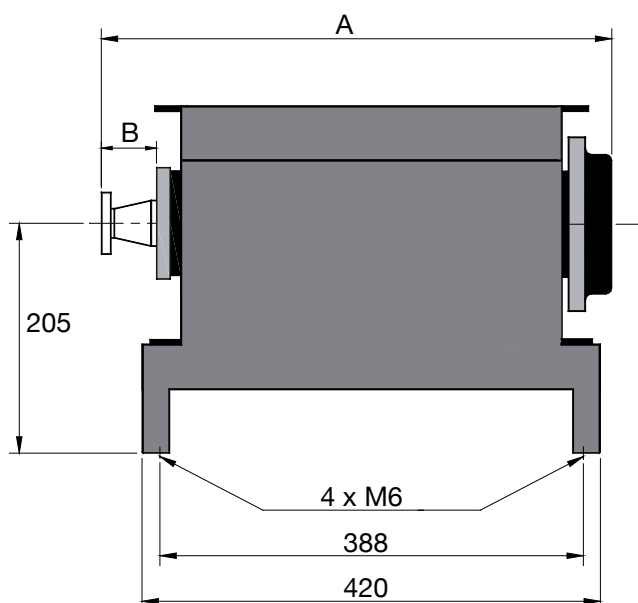
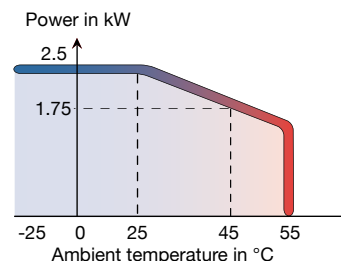
2.5 kW Forced air oil cooled



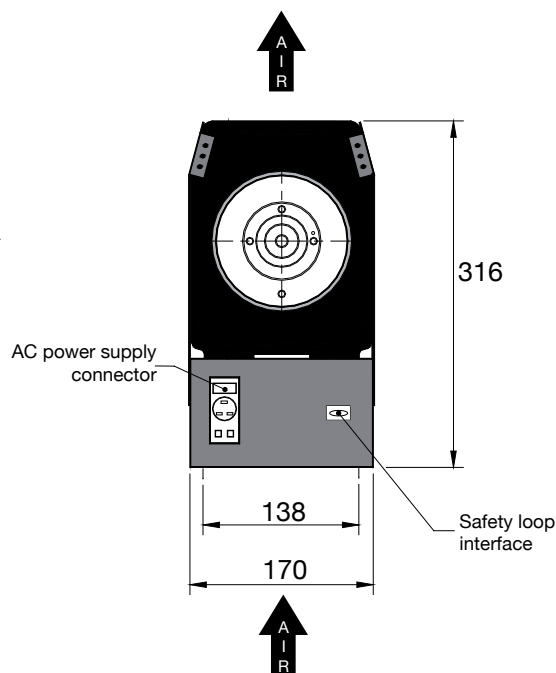
Standards
NF C 96-315
MIL-DTL-39030



Impedance	50 $\Omega \pm 5\%$
Frequency	DC – 1 GHz (on request DC – 2.5 GHz)
Max VSWR	≤ 1.10 at 1 GHz
Temperature range	-25 to +55°C
Average power @ 25°C	2.5 kW
Cooling	Oil + forced air
Safety loop	AC power supply + Thermoswitch (5/5.08 Feed through header - 2 wires AWG 24-12)
Power supply	56 VA (2 fans) - C14 IEC Fuses Inlet
Weight	21 kg



Dimensions in mm



[Return to Search by Part Number](#)

P/N	Connector	AC power supply	A	B
17-0793*	7-16 f	220 V – 50/60 Hz	449	22
17-5231	EIA 7/8"	220 V – 50/60 Hz	482	55
17-0319*	EIA 7/8"	220 V – 50/60 Hz	482	55
17-5232	EIA 1.5/8"	220 V – 50/60 Hz	504	80
17-0299*	EIA 1.5/8"	220 V – 50/60 Hz	504	80

* Safety loop

Option	
FM40	VSWR ≤ 1.02 from 87 to 108 MHz for FM
BIII	VSWR ≤ 1.05 from 170 to 230 MHz for BIII
NU	VSWR ≤ 1.05 from 470 to 860 MHz for DVB
V	Fans on/off depending on RF power applied



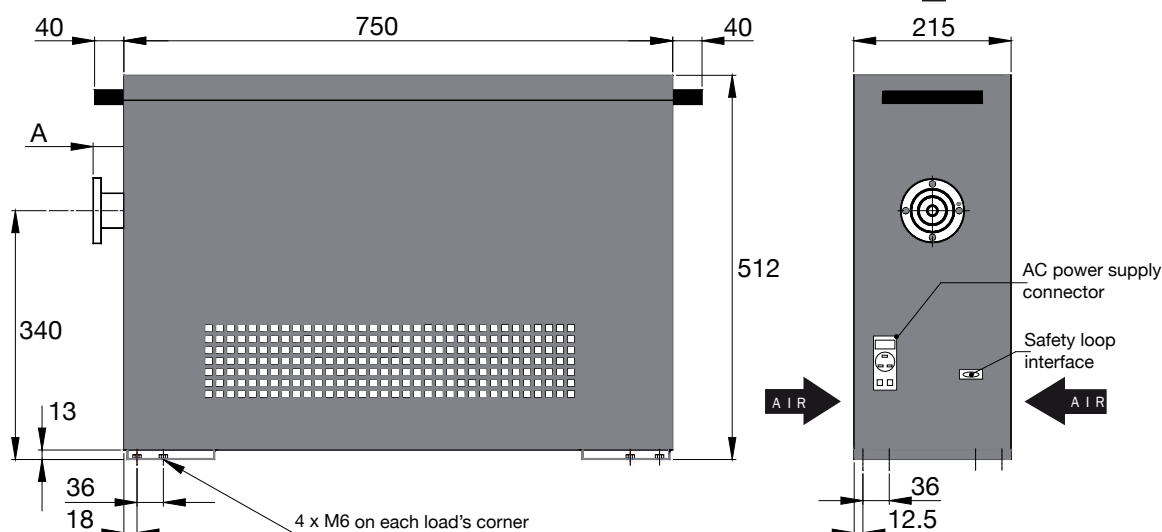
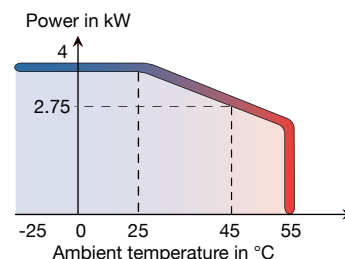
4 kW Forced air oil cooled



Standards
NF C 96-315
MIL-DTL-39030



Impedance	50 $\Omega \pm 5\%$
Frequency	DC – 1 GHz (on request DC – 2.5 GHz)
Max VSWR	≤ 1.10 at 1 GHz
Temperature range	-25 to +55°C
Average power @ 25°C	4 kW
Cooling	Oil + forced air (option V included)
Safety loop	AC power supply + Thermoswitch (5/5.08 Feed through - 2 wires AWG 24-12)
Power supply	84 VA (3 fans) - C14 IEC Fuses
Weight	40 kg



Dimensions in mm

Return to Search by Part Number

P/N	Connector	AC power supply	A
17-0755V	7-16 f	220 V – 50/60 Hz	23
17-0766V	EIA 7/8"	220 V – 50/60 Hz	30
17-0708V	EIA 1.5/8"	220 V – 50/60 Hz	42

Option	
FM40	VSWR ≤ 1.02 from 87 to 108 MHz for FM
BIII	VSWR ≤ 1.05 from 170 to 230 MHz for BIII
NU	VSWR ≤ 1.05 from 470 to 860 MHz for DVB
V	Fans on/off depending on RF power applied
R	Swivel castors

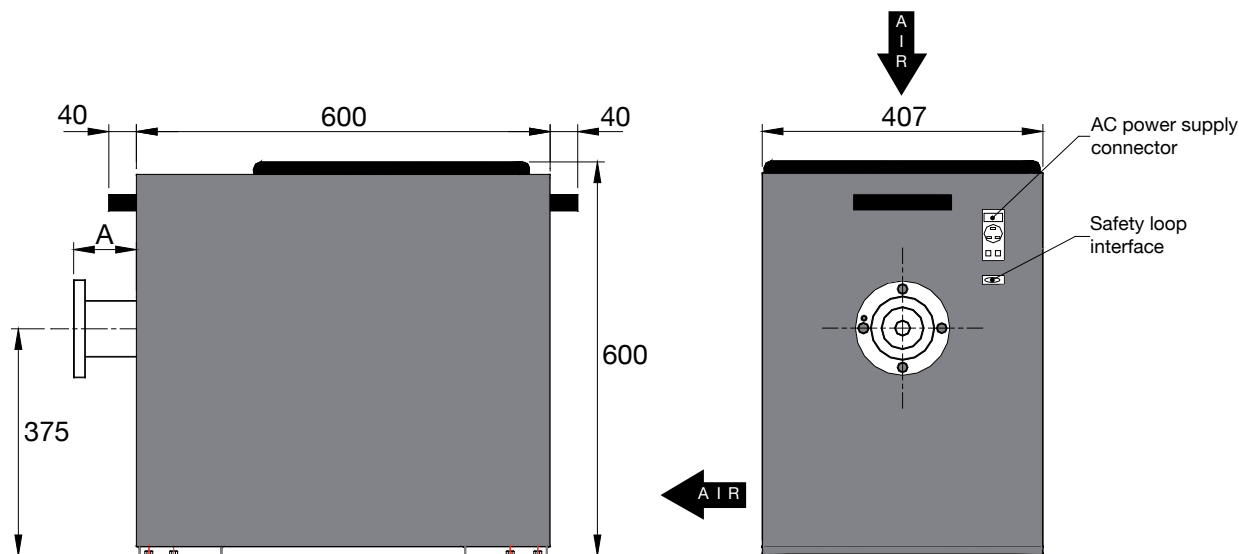
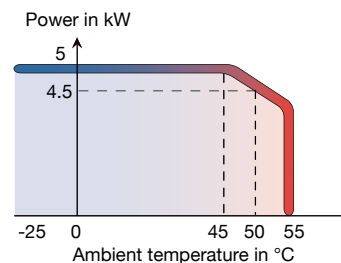
5 kW Oil cooled



Standards
NF C 96-315
MIL-DTL-39030



Impedance	50 $\Omega \pm 5\%$
Frequency	DC – 1 GHz (on request DC – 2.5 GHz)
Max VSWR	≤ 1.10 at 1 GHz
Temperature range	-25 to +55°C
Average power @ 45°C	5 kW
Cooling	Oil + forced air
Safety loop	Flow switch + Thermoswitch serial wired (5/5.08 Feed through header - 2 wires AWG 24-12)
Power supply	400 VA (1 fan + 1 pump) - C14 IEC Fuses Inlet
Weight	45 kg



Dimensions in mm

Return to Search by Part Number

P/N	Connector	AC power supply	A
17-0455	EIA 7/8"	220 V – 50/60 Hz	50
17-0507	EIA 7/8"	115 V – 50/60 Hz	50
17-0410	EIA 1.5/8"	220 V – 50/60 Hz	70
17-0414	EIA 1.5/8"	115 V – 50/60 Hz	70
17-0780*	EIA 1.5/8"	220 V – 50/60 Hz	70
17-0411	EIA 3.1/8"	220 V – 50/60 Hz	90
17-0415	EIA 3.1/8"	115 V – 50/60 Hz	90
17-0686*	EIA 3.1/8"	220 V – 50/60 Hz	90

* With two transmitters interlock

Option	
FM40	VSWR ≤ 1.02 from 87 to 108 MHz for FM
BIII	VSWR ≤ 1.05 from 170 to 230 MHz for BIII
NU	VSWR ≤ 1.05 from 470 to 860 MHz for DVB
V	Fans on/off depending on RF power applied
R	Swivel castors
P	Remote control for power supply



Instruction manual and wiring diagram available on request

5 kW Silent Low Energy Oil cooled

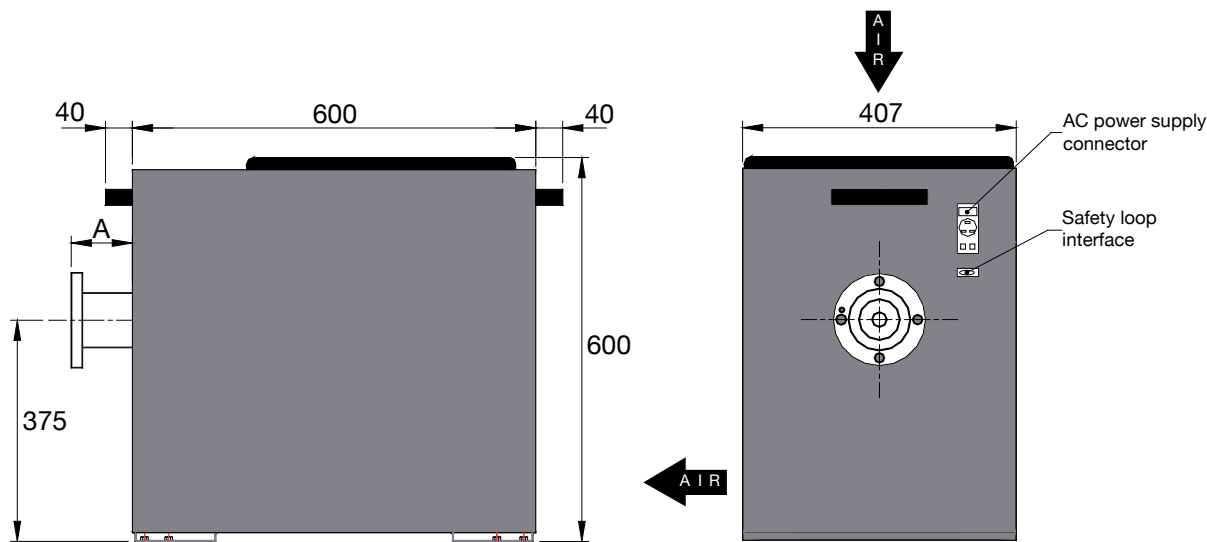
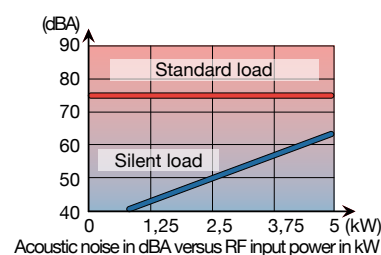
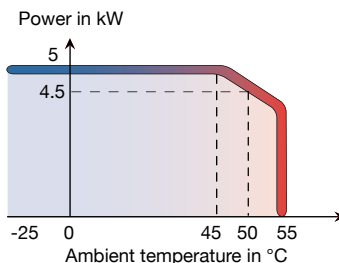


Standards
NF C 96-315
MIL-DTL-39030



Power Dummy Loads

Impedance	50 $\Omega \pm 5\%$
Frequency	DC – 1 GHz (on request DC – 2.5 GHz)
Max VSWR	≤ 1.10 at 1 GHz
Temperature range	-25 to +55°C
Average power @ 45°C	5 kW
Cooling	Oil + forced air depending on RF power applied
Safety loop	Flowswitch + Thermoswitch serial wired (5/5.08 Feed through header - 2 wires AWG 24-12)
Power supply	350 VA (1 fan + 1 pump) - C14 IEC Fuses Inlet
AC Power consumption	$\leq 10W$ when no RF power applied from 10W to 350W max depending on RF power applied
Weight	45 kg



Dimensions in mm

[Return to Search by Part Number](#)

P/N	Connector	AC power supply	A
17-0774	EIA 1.5/8"	220 V – 50/60 Hz	70
17-0775	EIA 3.1/8"	220 V – 50/60 Hz	90
17-0909	EIA 1.5/8"	115 V – 50/60 Hz	70
17-0910	EIA 3.1/8"	115 V – 50/60 Hz	90

Option	
FM40	VSWR ≤ 1.02 from 87 to 108 MHz for FM
BIII	VSWR ≤ 1.05 from 170 to 230 MHz for BIII
NU	VSWR ≤ 1.05 from 470 to 860 MHz for DVB
R	Swivel castors
P	Remote control for power supply



Instruction manual and wiring diagram available on request

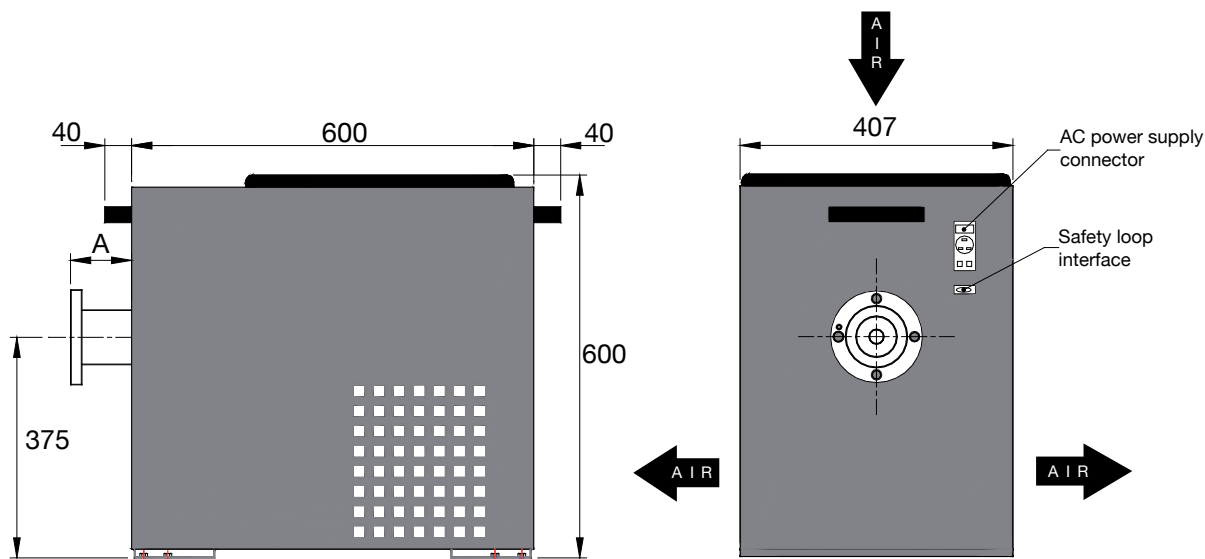
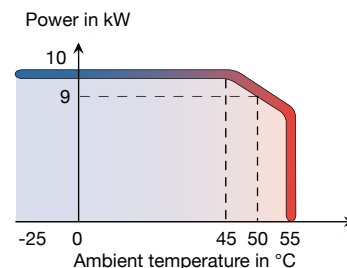
10 kW Oil cooled



Standards
NF C 96-315
MIL-DTL-39030



Impedance	50 $\Omega \pm 5\%$
Frequency	DC – 1 GHz (on request DC – 2.5 GHz)
Max VSWR	≤ 1.10 at 1 GHz
Temperature range	-25 to +55°C
Average power @ 45°C	10 kW
Cooling	Oil + forced air
Safety loop	Flowswitch + Thermoswitch serial wired (5/5.08 Feed through header - 2 wires AWG 24-12)
Power supply	400 VA (1 fan + 1 pump) - C14 IEC Fuses Inlet
Weight	47 kg



Dimensions in mm

[Return to Search by Part Number](#)

P/N	Connector	AC power supply	A
17-0412	EIA 1.5/8"	220 V – 50/60 Hz	70
17-0416	EIA 1.5/8"	115 V – 50/60 Hz	70
17-0413	EIA 3.1/8"	220 V – 50/60 Hz	90
17-0417	EIA 3.1/8"	115 V – 50/60 Hz	90

Option	
FM40	VSWR ≤ 1.02 from 87 to 108 MHz for FM
BIII	VSWR ≤ 1.05 from 170 to 230 MHz for BIII
NU	VSWR ≤ 1.05 from 470 to 860 MHz for DVB
V	Fans on/off depending on RF power applied
R	Swivel castors
P	Remote control for power supply

Instruction manual and wiring diagram available on request

10 kW Silent Low Energy Oil cooled

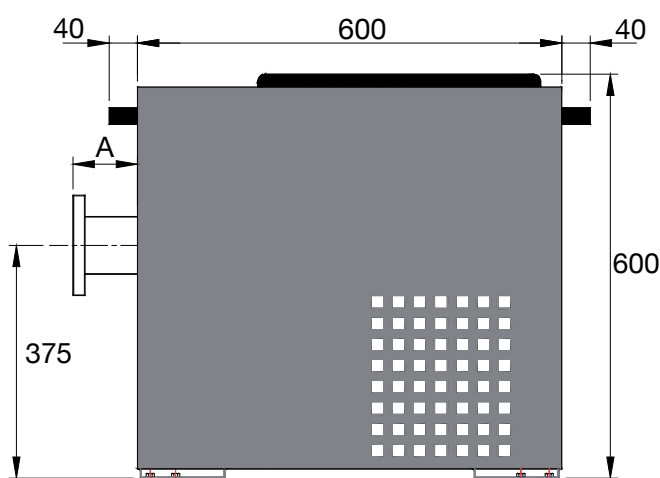
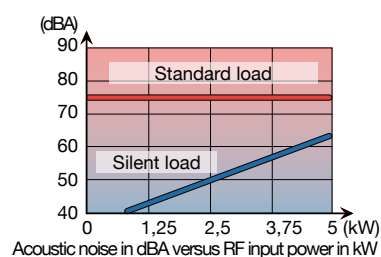
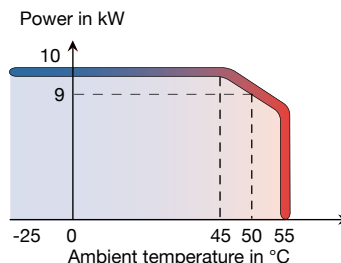


Standards
NF C 96-315
MIL-DTL-39030

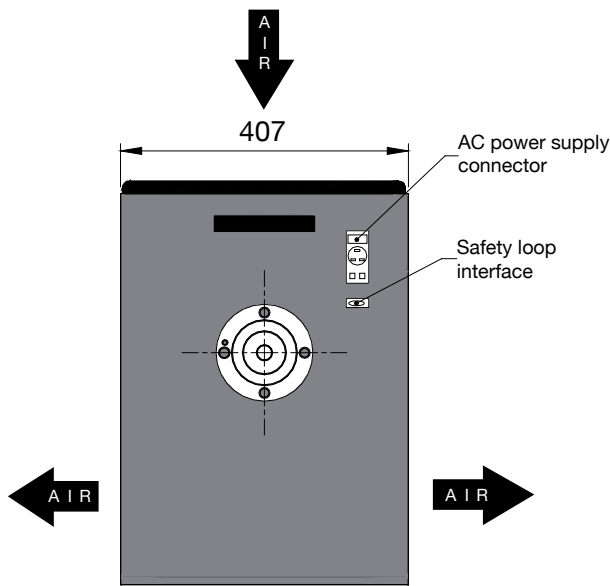


Power Dummy Loads

Impedance	50 $\Omega \pm 5\%$
Frequency	DC – 1 GHz (on request DC – 2.5 GHz)
Max VSWR	≤ 1.10 at 1 GHz
Temperature range	-25 to +55°C
Average power @ 45°C	10 kW
Cooling	Oil + forced air depending on RF power applied
Safety loop	Flowswitch + Thermoswitch serial wired (5/5.08 Feed through header - 2 wires AWG 24-12)
Power supply	350 VA (1 fan + 1 pump) - C14 IEC Fuses Inlet
AC Power consumption	$\leq 10W$ when no RF power applied from 10W to 350W max depending on RF power applied
Weight	47 kg



Dimensions in mm



Return to Search by Part Number

P/N	Connector	AC power supply	A
17-0776	EIA 1.5/8"	220 V – 50/60 Hz	70
17-0777	EIA 3.1/8"	220 V – 50/60 Hz	90
17-0911	EIA 1.5/8"	115 V – 50/60 Hz	70
17-0912	EIA 3.1/8"	115 V – 50/60 Hz	90

Option	
FM40	VSWR ≤ 1.02 from 87 to 108 MHz for FM
BIII	VSWR ≤ 1.05 from 170 to 230 MHz for BIII
NU	VSWR ≤ 1.05 from 470 to 860 MHz for DVB
R	Swivel castors
P	Remote control for power supply



Instruction manual and wiring diagram available on request

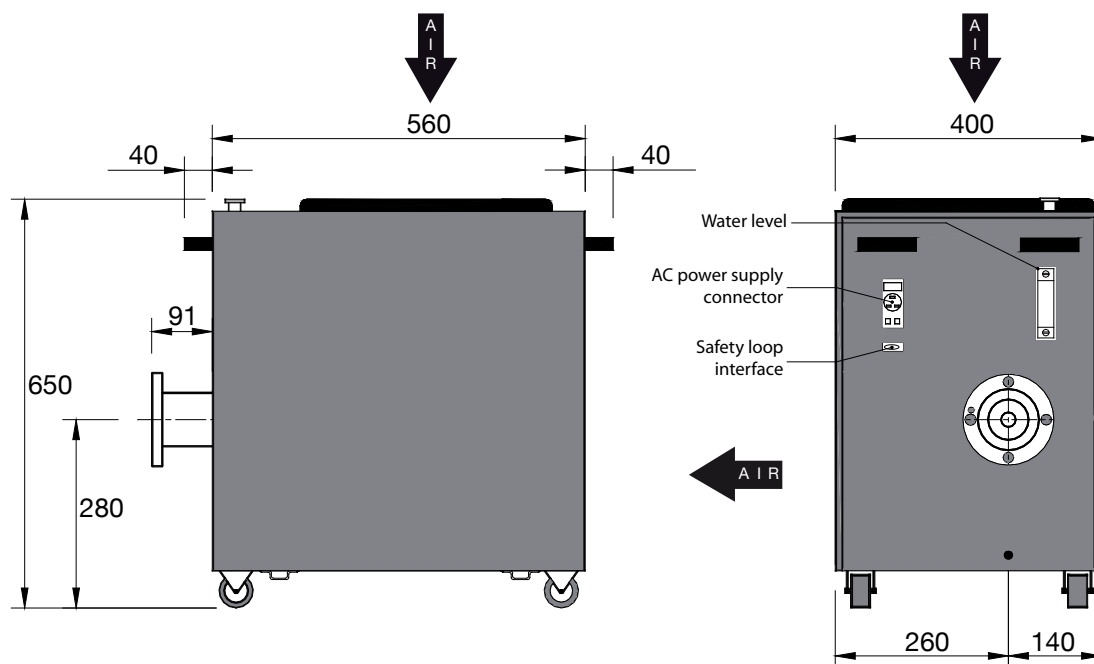
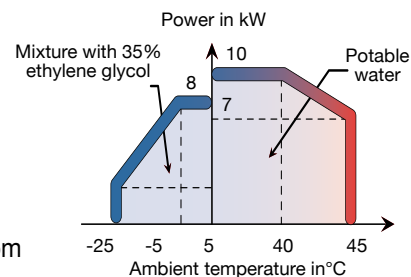
10 kW Water cooled



Standards
NF C 96-315
MIL-DTL-39030



Impedance	50 $\Omega \pm 5\%$
Frequency	DC – 1 GHz
Max VSWR	≤ 1.10 at 860 MHz
Average power @ 40°C	10 kW (Potable water) 8 kW (Mixture with 35% ethylene glycol)
Cooling	Water + forced air
Potable water	7 < pH < 8.2, mineral salts concentration < 75 ppm
Safety loop	Flowswitch + Thermoswitch serial wired (5/5.08 Feed through header - 2 wires AWG 24-12)
Power supply	650 VA (1 fan + 1 pump) - C14 IEC Fuses Inlet
Weight	50 kg



Dimensions in mm

[Return to Search by Part Number](#)

P/N	Connector	AC power supply
17-0615	EIA 3.1/8"	220 V – 50 Hz

Option

Option	Description
NU	VSWR ≤ 1.06 from 470 to 860 MHz for DVB
V	Fans on/off depending on RF power applied



Instruction manual and wiring diagram available on request



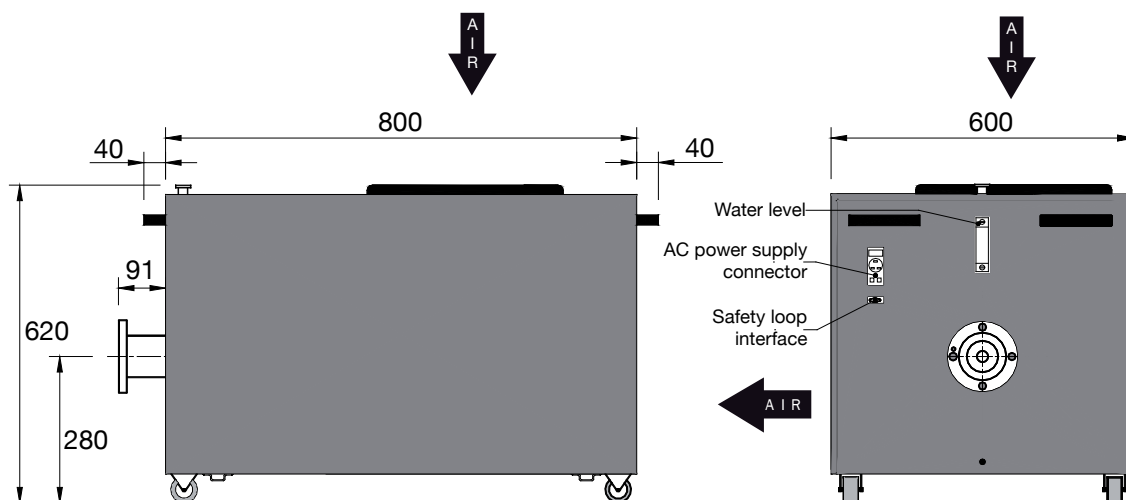
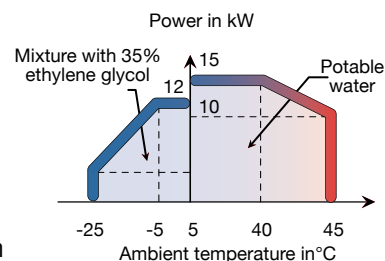
15 kW Water cooled



Standards
NF C 96-315
MIL-DTL-39030



Impedance	50 $\Omega \pm 5\%$
Frequency	DC – 1 GHz
Max VSWR	≤ 1.10 at 860 MHz
Average power @ 40°C	15 kW (Potable water) 12 kW (Mixture with 35% ethylene glycol)
Cooling	Water + forced air
Potable water	7 < pH < 8.2, mineral salts concentration < 75 ppm
Safety loop	Flowswitch + Thermoswitch serial wired (5/5.08 Feed through header - 2 wires AWG 24-12)
Power supply	900 VA (1 fan + 1 pump) - C14 IEC Fuses Inlet
Weight	70 kg



Dimensions in mm

[Return to Search by Part Number](#)

P/N	Connector	AC power supply
17-0327*	EIA 3.1/8"	220 V – 50 Hz
17-0534	EIA 3.1/8"	115 V – 50 Hz

* NNO 5985-14-587-5439

Option	
NU	VSWR ≤ 1.06 from 470 to 860 MHz for DVB
V	Fans on/off depending on RF power applied

Instruction manual and wiring diagram available on request

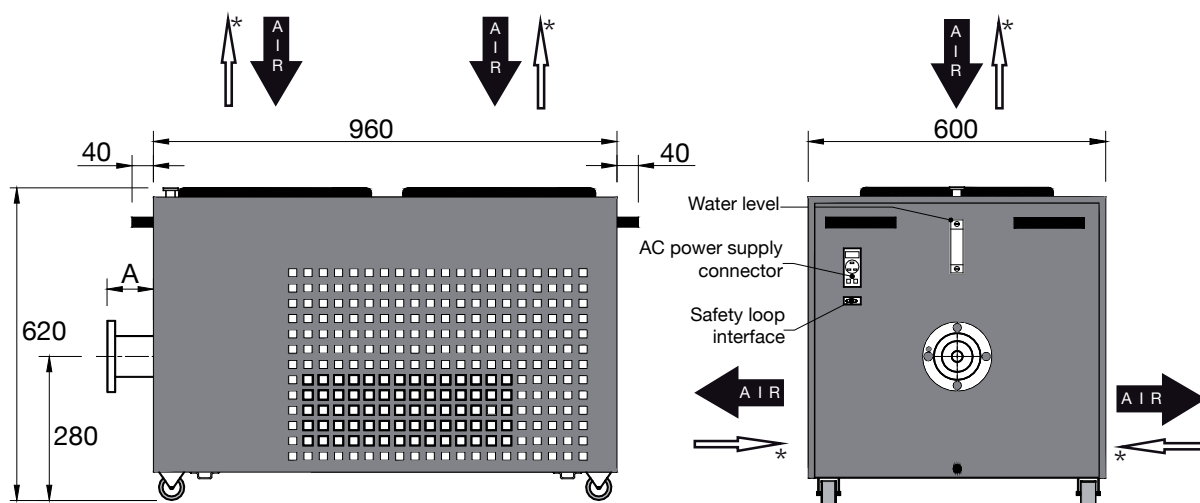
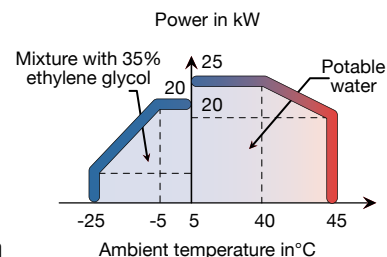
25 kW Water cooled



Standards
NF C 96-315
MIL-DTL-39030



Impedance	50 $\Omega \pm 5\%$
Frequency	DC – 1 GHz
Max VSWR	≤ 1.10 at 860 MHz
Average power @ 40°C	25 kW (Potable water) 20 kW (Mixture with 35% ethylene glycol)
Cooling	Water + forced air
Potable water	7 < pH < 8.2, mineral salts concentration < 75 ppm
Safety loop	Flowswitch + Thermoswitch serial wired (5/5.08 Feed through header - 2 wires AWG 24-12)
Power supply	1250 VA (2 fans + 1 pump) - C14 IEC Fuses Inlet
Weight	85 kg



Dimensions in mm

Return to Search by Part Number

P/N	Connector	AC power supply	A
17-0055	EIA 3.1/8"	220 V – 50 Hz	91
17-0341*	EIA 3.1/8"	220 V – 50 Hz	91
17-0200	EIA 3.1/8"	115 V – 50 Hz	91
17-0659	EIA 4.1/2"	220 V – 50 Hz	102

Option	
NU	VSWR ≤ 1.06 from 470 to 860 MHz for DVB
V	Fans on/off depending on RF power applied

* Air flow inverted



Instruction manual and wiring diagram available on request



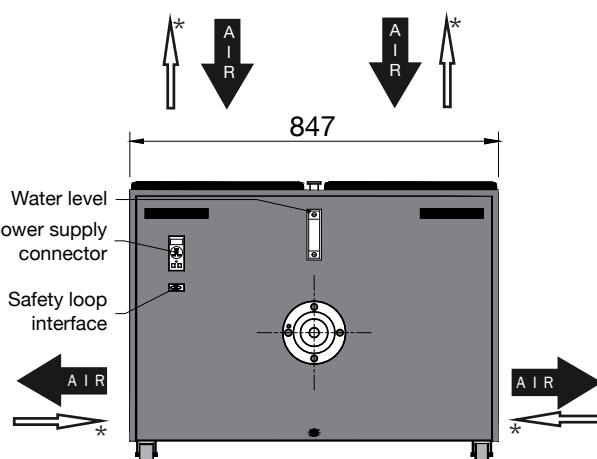
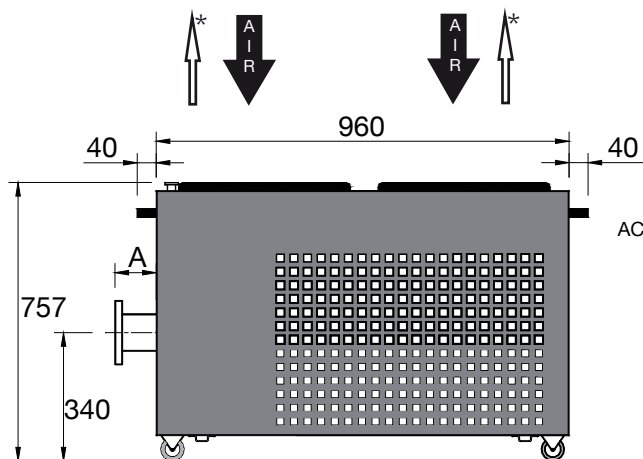
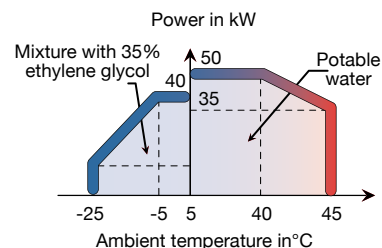
50 kW Water cooled



Standards
NF C 96-315
MIL-DTL-39030



Impedance	50 $\Omega \pm 5\%$
Frequency	DC – 1 GHz
Max VSWR	≤ 1.10 at 860 MHz
Average power @ 40°C	50 kW (Potable water) 40 kW (Mixture with 35% ethylene glycol)
Cooling	Water + forced air
Potable water	7 < pH < 8.2, mineral salts concentration < 75 ppm
Safety loop	Flowswitch + Thermoswitch serial wired (5/5.08 Feed through header - 2 wires AWG 24-12)
Power supply	1950 VA (4 fans + 1 pump) - C14 IEC Fuses Inlet
Weight	95 kg



Dimensions in mm

[Return to Search by Part Number](#)

P/N	Connector	AC power supply	A
17-0169	EIA 3.1/8"	220 V – 50 Hz	91
17-0486	EIA 3.1/8"	115 V – 50 Hz	91
17-0447*	EIA 3.1/8"	220 V – 50 Hz	91
17-0592	EIA 4.1/2"	220 V – 50 Hz	128
17-0711	EIA 6.1/8"	220 V – 50Hz	132
17-0887	EIA 6.1/8"	220 V – 60 Hz	132

Option	
NU**	VSWR ≤ 1.06 from 470 to 860 MHz for DVB
V	Fans on/off depending on RF power applied

* Air flow inverted

** NU option available only on EIA 3.1/8" model



Instruction manual and wiring diagram available on request

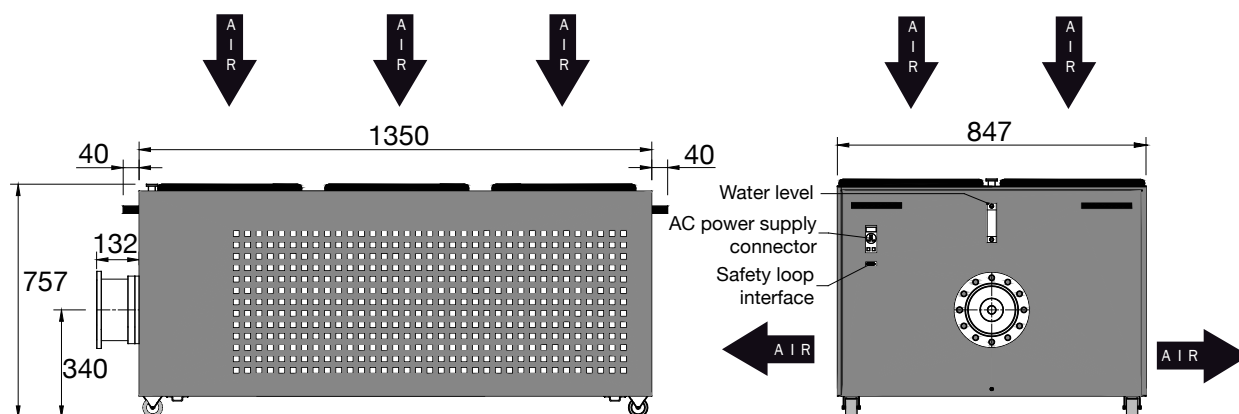
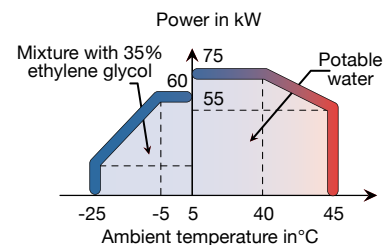
75 kW Water cooled



Standards
NF C 96-315
MIL-DTL-39030



Impedance	50 $\Omega \pm 5\%$
Frequency	DC – 800 MHz
Max VSWR	≤ 1.15 at 800 MHz
Average power @ 40°C	75 kW (Potable water) 60 kW (Mixture with 35% ethylene glycol)
Cooling	Water + forced air
Potable water	7 < pH < 8.2, mineral salts concentration < 75 ppm
Safety loop	Flowswitch + Thermoswitch serial wired (5/5.08 Feed through header - 2 wires AWG 24-12)
Power supply	2650 VA (6 fans + 1 pump) - C14 IEC Fuses Inlet
Weight	182 kg (included 22 liters of water)



Dimensions in mm

[Return to Search by Part Number](#)

P/N	Connector	AC power supply
17-6752	EIA 6.1/8"	220 V – 50 Hz
17-0676	EIA 6.1/8"	115 V – 50 Hz

Option	
V	Fans on/off depending on RF power applied



Instruction manual and wiring diagram available on request

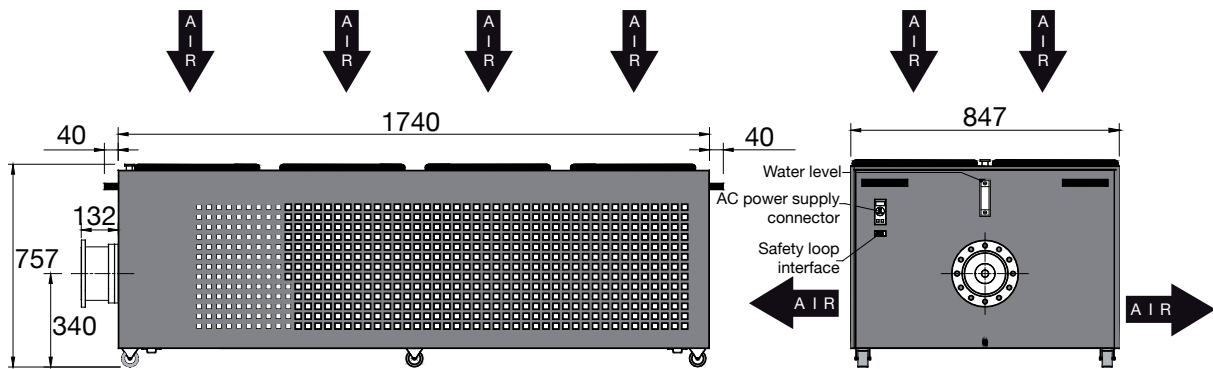
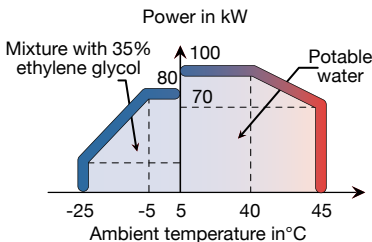
100 kW Water cooled



Standards
NF C 96-315
MIL-DTL-39030



Impedance	50 $\Omega \pm 5\%$
Frequency	DC – 800 MHz
Max VSWR	≤ 1.15 at 800 MHz
Average power @ 25°C	100 kW (Potable water) 80 kW (Mixture with 35% ethylene glycol)
Peak power	400 kW DRM
Cooling	Water + forced air
Potable water	7 < pH < 8.2, mineral salts concentration < 75 ppm
Safety loop	Flowswitch + Thermoswitch serial wired (5/5.08 Feed through header - 2 wires AWG 24-12)
Power supply	3400 VA (8 fans + 1 pump) - C14 IEC Fuses Inlet
Weight	220 kg (including 33 liters of water)



Dimensions in mm

[Return to Search by Part Number](#)

P/N	Connector	AC power supply
17-0735	EIA 6.1/8"	220 V – 50 Hz



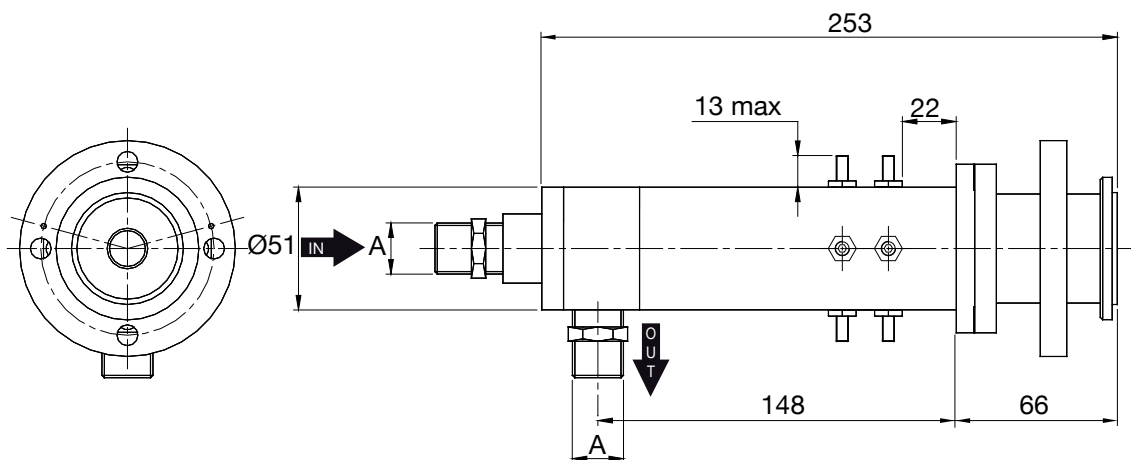
Instruction manual and wiring diagram available on request

5 kW Water cooled Coaxial

Standards
NF C 96-315
MIL-DTL-39030



Impedance	50 $\Omega \pm 5\%$
Frequency	DC – 1 GHz
Max VSWR	≤ 1.10 at 860 MHz
Average power	5 kW (Potable water)
Water flow	0.5 m ³ /h
Max input water Temperature	+60°C
Max input water pressure	6 bars
Potable water	7 < pH < 8.2, mineral salts concentration < 75 ppm
Weight	2 kg



Dimensions in mm

[Return to Search by Part Number](#)

P/N	Connector	A
17-0618	EIA 1.5/8"	R 1/2"
17-0799	Unflanged 1.5/8"	G 1/2"

Option	
NU	VSWR ≤ 1.06 from 470 to 860 MHz for DVB



30 kW Water cooled Coaxial

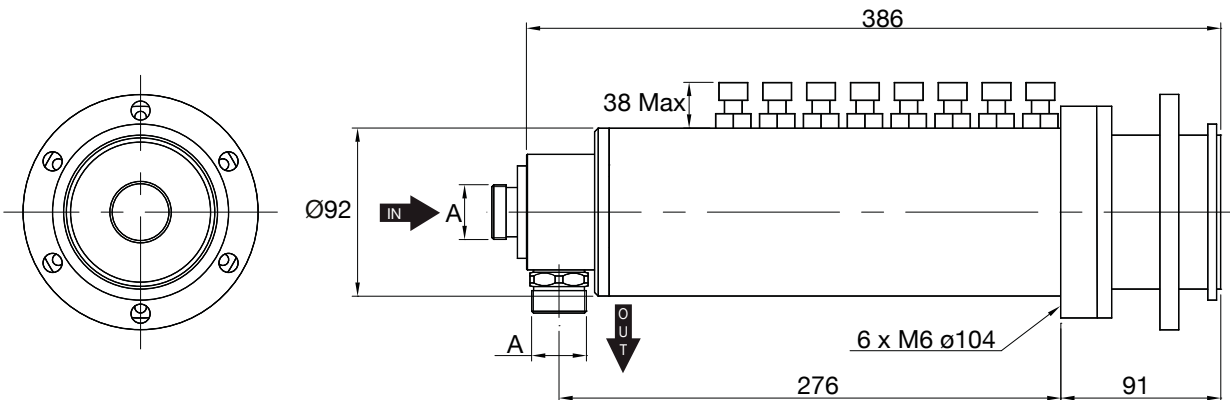


Standards
NF C 96-315
MIL-DTL-39030



Power Dummy Loads

Impedance	50 $\Omega \pm 5\%$
Frequency	DC – 1 GHz
Max VSWR	≤ 1.10 at 860 MHz
Average power	30 kW (Potable water)
Water flow	2 m ³ /h
Max input water Temperature	+60°C
Max input water pressure	7 bars
Potable water	7 < pH < 8.2, mineral salts concentration < 75 ppm
Weight	7 kg



Dimensions in mm

[Return to Search by Part Number](#)

P/N	Connector	A
17-0671	EIA 3.1/8"	R 1/2"
17-0506	EIA 3.1/8"	G 1"
17-0506 NPT	EIA 3.1/8"	NPT 1"
17-0087	EIA 3.1/8"	M30x1.5

Option

NU VSWR ≤ 1.06 from 470 to 860 MHz for DVB

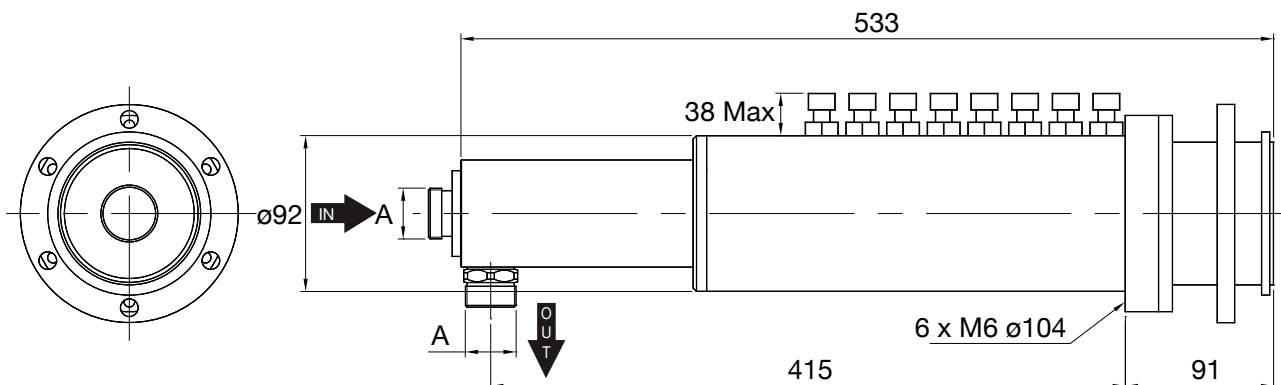
50 kW Water cooled Coaxial

Standards
NF C 96-315
MIL-DTL-39030



Impedance	50 $\Omega \pm 5\%$
Frequency	DC – 1 GHz
Max VSWR	≤ 1.10 at 860 MHz
Average power	50 kW (Potable water)
Water flow	4 m ³ /h
Max input water Temperature	+60°C
Max input water pressure	7 bars
Potable water	7 < pH < 8.2, mineral salts concentration < 75 ppm
Weight	10 kg

Power Dummy Loads



Dimensions in mm

[Return to Search by Part Number](#)

P/N	Connector	A
17-0540	EIA 3.1/8"	G 1"
17-0540 NPT	EIA 3.1/8"	NPT 1"

Option	
NU	VSWR ≤ 1.06 from 470 to 860 MHz for DVB

2.5 kW Oil cooled with digital calorimeter

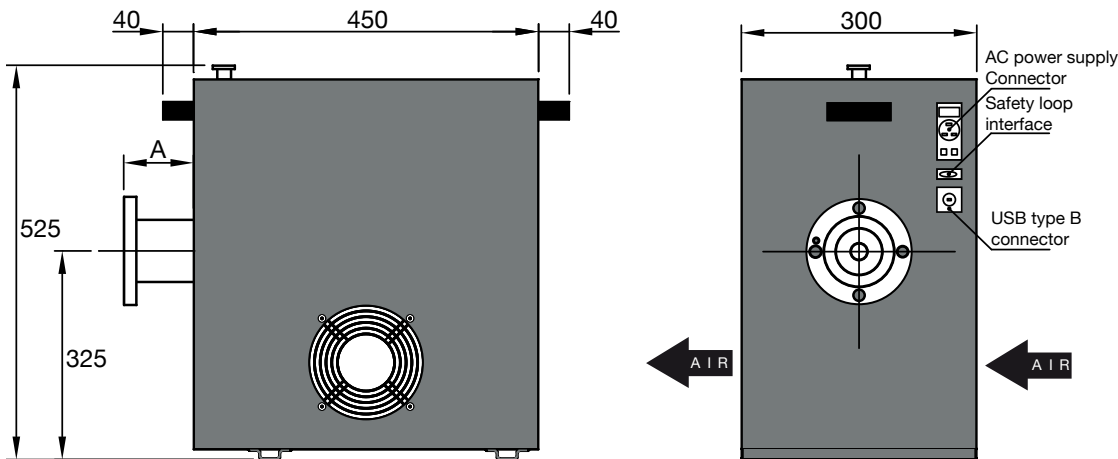
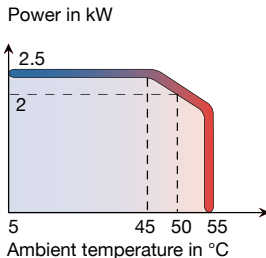


Standards
NF C 96-315
MIL-DTL-39030

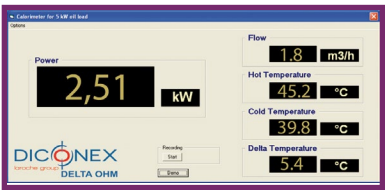


Power Dummy Loads

Impedance	50 Ω ± 5%
Frequency	DC – 1 GHz (on request DC - 2.5 GHz)
Max VSWR	≤ 1.10 at 1 GHz
Temperature range	-25 to +55°C
Average power @ 45° C	2.5 kW
Cooling	Oil + forced air
Safety loop	Flowswitch + Thermoswitch serial wired (5/5.08 Feed through header - 2 wires AWG 24-12)
Power supply	80 VA (1 fan + 1 pump) - C14 IEC Fuses Inlet
Calorimeter accuracy	±3% of reading from 1 kW to 2.5 kW within 15° C to 30° C ambient temperature range
Remote interfaces	USB type B connector on load's front panel with user software interface.
Weight	34 kg



Dimensions in mm



[Return to Search by Part Number](#)

P/N	Connector*	AC power supply*	A
17-0538	EIA 7/8"	220 V – 50/60 Hz	50
17-0539	EIA 1.5/8"	220 V – 50/60 Hz	70

* Others models on request.

Option	
FM40	VSWR ≤ 1.02 from 87 to 108 MHz for FM
BIII	VSWR ≤ 1.05 from 170 to 230 MHz for BIII
NU	VSWR ≤ 1.05 from 470 to 860 MHz for DVB
R	Swivel castors



Instruction manual and wiring diagram available on request

5 kW Oil cooled with digital calorimeter

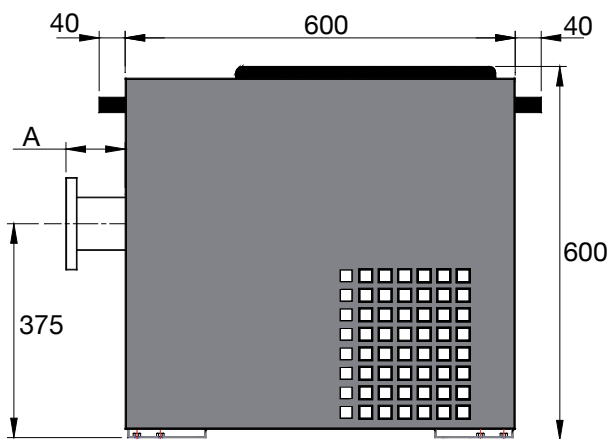
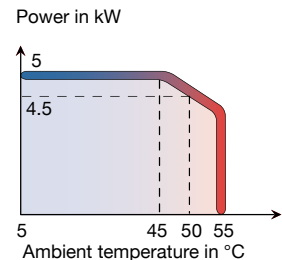


Standards
NF C 96-315
MIL-DTL-39030

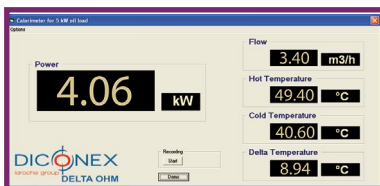
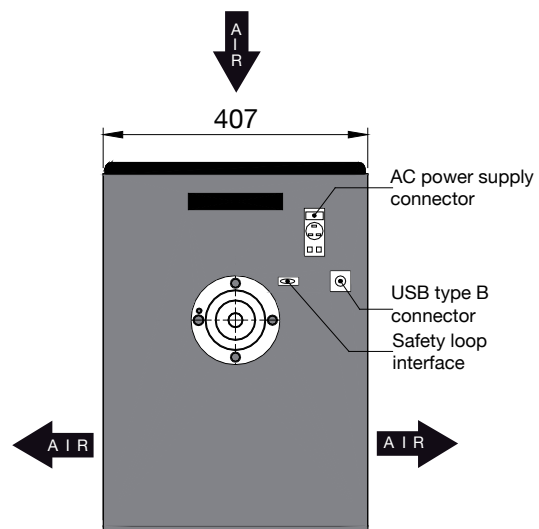


Power Dummy Loads

Impedance	50 $\Omega \pm 5\%$
Frequency	DC – 1 GHz (on request DC - 2.5 GHz)
Max VSWR	≤ 1.10 at 1GHz
Temperature range	-25 to +55°C
Average power @ 45°C	5 kW
Cooling	Oil + forced air
Safety loop	Flowswitch + Thermoswitch serial wired (5/5.08 Feed through header - 2 wires AWG 24-12)
Power supply	400 VA (1 fan + 1 pump) - C14 IEC Fuses Inlet
Calorimeter accuracy	$\pm 3\%$ of reading from 1 kW to 5 kW within 15° C to 30° C ambient temperature range
Remote interfaces	USB type B connector on load's front panel with user software interface.
Weight	49 kg



Dimensions in mm



[Return to Search by Part Number](#)

P/N	Connector*	AC power supply*	A
17-0519	EIA 1.5/8"	220 V – 50/60 Hz	70
17-0518	EIA 3.1/8"	220 V – 50/60 Hz	90

* Others models on request.

Option	
FM40	VSWR ≤ 1.02 from 87 to 108 MHz for FM
BIII	VSWR ≤ 1.05 from 170 to 230 MHz for BIII
NU	VSWR ≤ 1.05 from 470 to 860 MHz for DVB
R	Swivel castors
P	Remote control for power supply



Instruction manual and wiring diagram available on request

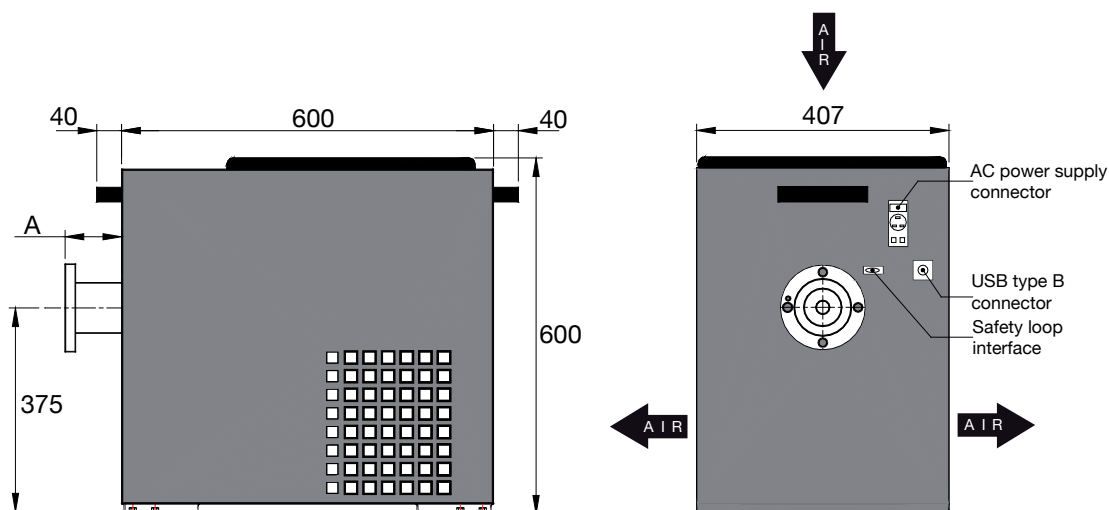
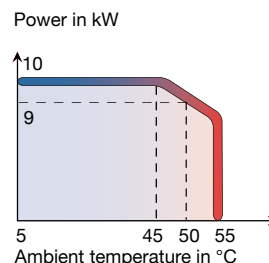
10 kW Oil cooled with digital calorimeter



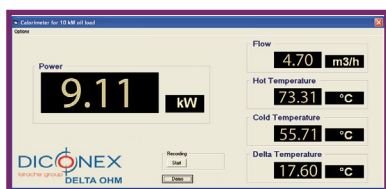
Standards
NF C 96-315
MIL-DTL-39030



Impedance	50 $\Omega \pm 5\%$
Frequency	DC – 1 GHz (on request DC - 2.5 GHz)
Max VSWR	≤ 1.10 at 1GHz
Temperature range	-25 to +55°C
Average power @ 45°C	10 kW
Cooling	Oil + forced air
Safety loop	Flowswitch + Thermoswitch serial wired (5/5.08 Feed through header - 2 wires AWG 24-12)
Power supply	400 VA (1 fan + 1 pump) - C14 IEC Fuses Inlet
Calorimeter accuracy	$\pm 3\%$ of reading from 1 kW to 10 kW within 15° C to 30° C ambient temperature range
Remote interfaces	USB type B connector on load's front panel with user software interface.
Weight	49 kg



Dimensions in mm



[Return to Search by Part Number](#)

P/N	Connector*	AC power supply*	A
17-0517	EIA 1.5/8"	220 V – 50/60 Hz	70
17-0516	EIA 3.1/8"	220 V – 50/60 Hz	90

* Others models on request.

	Option
FM40	VSWR ≤ 1.02 from 87 to 108 MHz for FM
BIII	VSWR ≤ 1.05 from 170 to 230 MHz for BIII
NU	VSWR ≤ 1.05 from 470 to 860 MHz for DVB
R	Swivel castors
P	Remote control for power supply



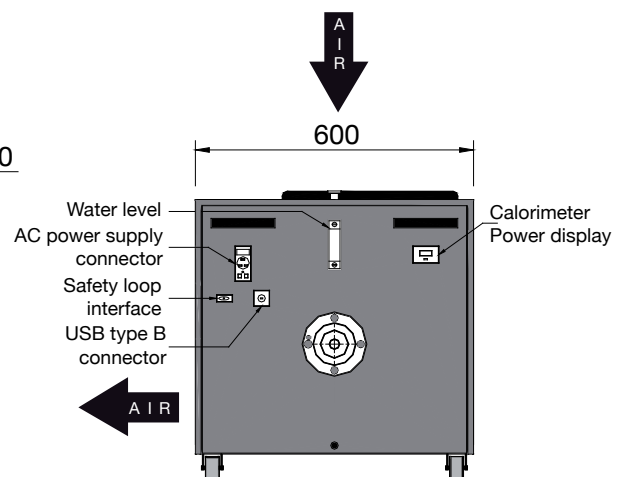
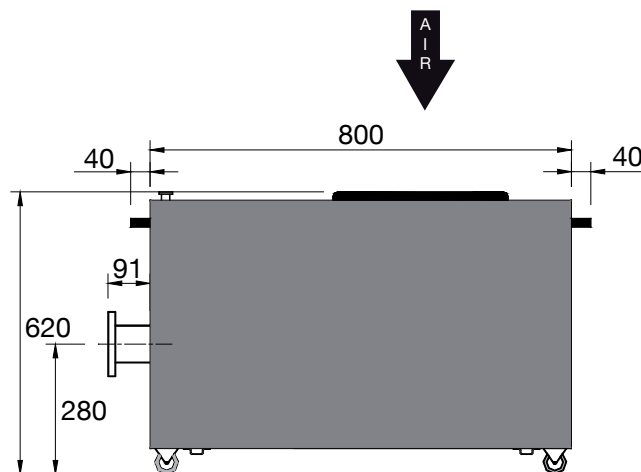
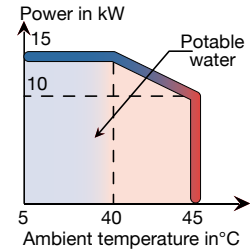
Instruction manual and wiring diagram available on request

15 kW Water cooled with digital calorimeter

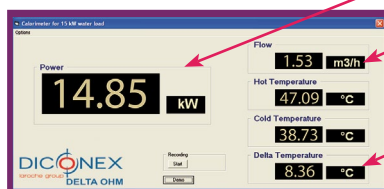
Standards
NF C 96-315
MIL-DTL-39030



Impedance	50 $\Omega \pm 5\%$
Frequency	DC – 1 GHz
Max VSWR	≤ 1.10 at 860 MHz
Average power @ 40°C	15 kW
Cooling	Water + forced air
Potable water	7 < pH < 8.2, mineral salts concentration < 75 ppm
Safety loop	Flowswitch + Thermoswitch serial wired (5/5.08 Feed through header - 2 wires AWG 24-12)
Power supply	900 VA (1 fan + 1 pump) - C14 IEC Fuses Inlet
Calorimeter accuracy	$\pm 3\%$ of reading from 3.5 kW to 15 kW within 5° C to 30° C ambient temperature range
Remote interfaces	USB type B connector on load's front panel with user software interface.
Weight	72 kg



Dimensions in mm



$$P = 1.16 \times Q \times \Delta T$$

[Return to Search by Part Number](#)

P/N	Connector*	AC power supply*
17-0501	EIA 3.1/8"	220 V – 50 Hz

* Others models on request.

Option	
NU	VSWR ≤ 1.06 from 470 to 860 MHz for DVB



Instruction manual and wiring diagram available on request

25 kW Water cooled with digital calorimeter

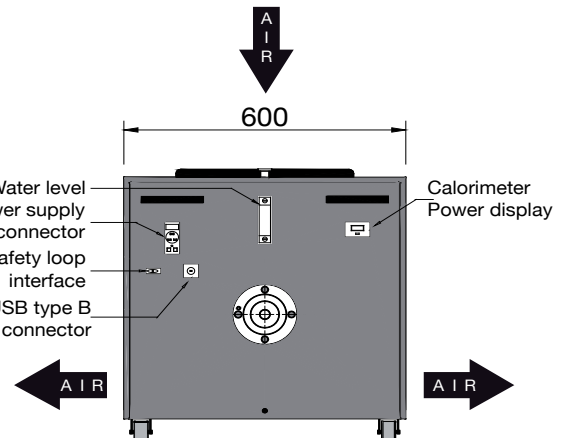
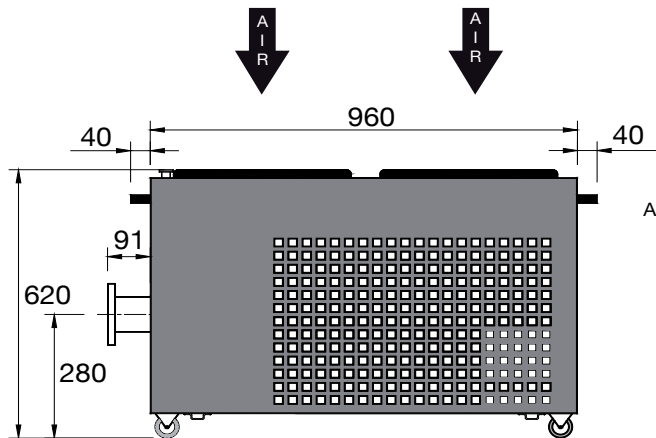
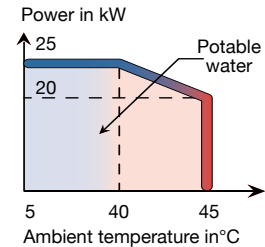


Standards
NF C 96-315
MIL-DTL-39030

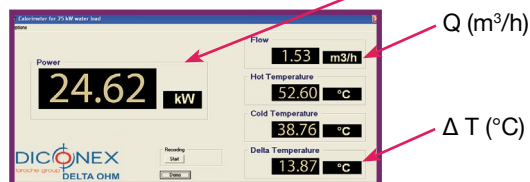


Power Dummy Loads

Impedance	50 $\Omega \pm 5\%$
Frequency	DC – 1 GHz
Max VSWR	≤ 1.10 at 860 MHz
Average power @ 40°C	25 kW
Cooling	Water + forced air
Potable water	7 < pH < 8.2, mineral salts concentration < 75 ppm
Safety loop	Flowswitch + Thermoswitch serial wired (5/5.08 Feed through header - 2 wires AWG 24-12)
Power supply	1250 VA (2 fans + 1 pump) - C14 IEC Fuses Inlet
Calorimeter accuracy	$\pm 3\%$ of reading from 4 kW to 25 kW within 5° C to 30° C ambient temperature range
Remote interfaces	USB type B connector on load's front panel with user software interface.
Weight	85 kg



Dimensions in mm



$$P = 1.16 \times Q \times \Delta T$$

[Return to Search by Part Number](#)

P/N	Connector*	AC power supply*
17-0499	EIA 3.1/8"	220 V – 50 Hz

* Others models on request.

Option	
NU	VSWR ≤ 1.06 from 470 to 860 MHz for DVB
V	Fans on/off depending on RF power applied



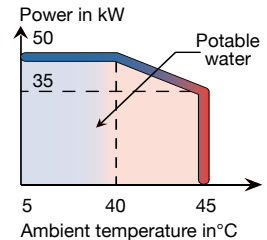
Instruction manual and wiring diagram available on request

50 kW Water cooled with digital calorimeter

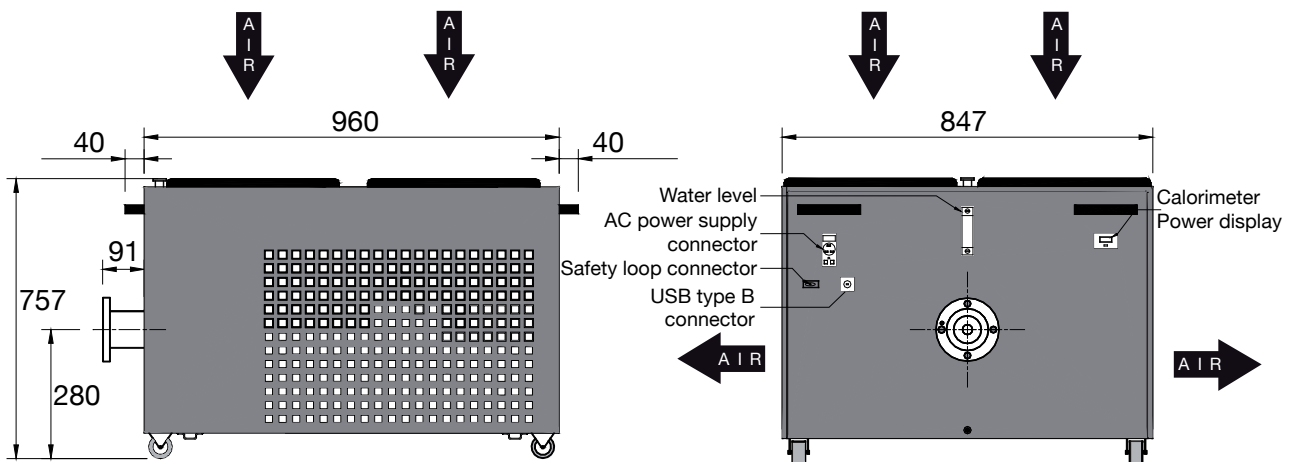
Standards
NF C 96-315
MIL-DTL-39030



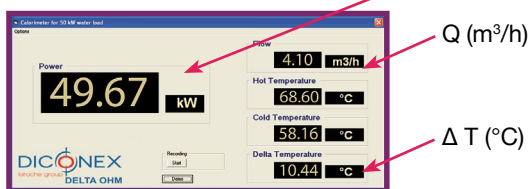
Impedance	50 $\Omega \pm 5\%$
Frequency	DC – 1 GHz
Max VSWR	≤ 1.10 at 860 MHz
Average power @ 40°C	50 kW
Cooling	Water + forced air
Potable water	7 < pH < 8.2, mineral salts concentration < 75 ppm
Safety loop	Flowswitch + Thermoswitch serial wired (5/5.08 Feed through header - 2 wires AWG 24-12)
Power supply	1950 VA (4 fans + 1 pump) - C14 IEC Fuses Inlet
Calorimeter accuracy	$\pm 3\%$ of reading from 5 kW to 50 kW within 5° C to 30° C ambient temperature range
Remote interfaces	USB type B connector on load's front panel with user software interface.
Weight	97 kg



Power Dummy Loads



Dimensions in mm



$$P = 1.16 \times Q \times \Delta T$$

[Return to Search by Part Number](#)

P/N	Connector*	AC power supply*
17-0502	EIA 3.1/8"	220 V – 50 Hz

* Others models on request.

Option	
NU	VSWR ≤ 1.06 from 470 to 860 MHz for DVB
V	Fans on/off depending on RF power applied



Instruction manual and wiring diagram available on request

20 kW - 400 kW Peak Water Cooled Load

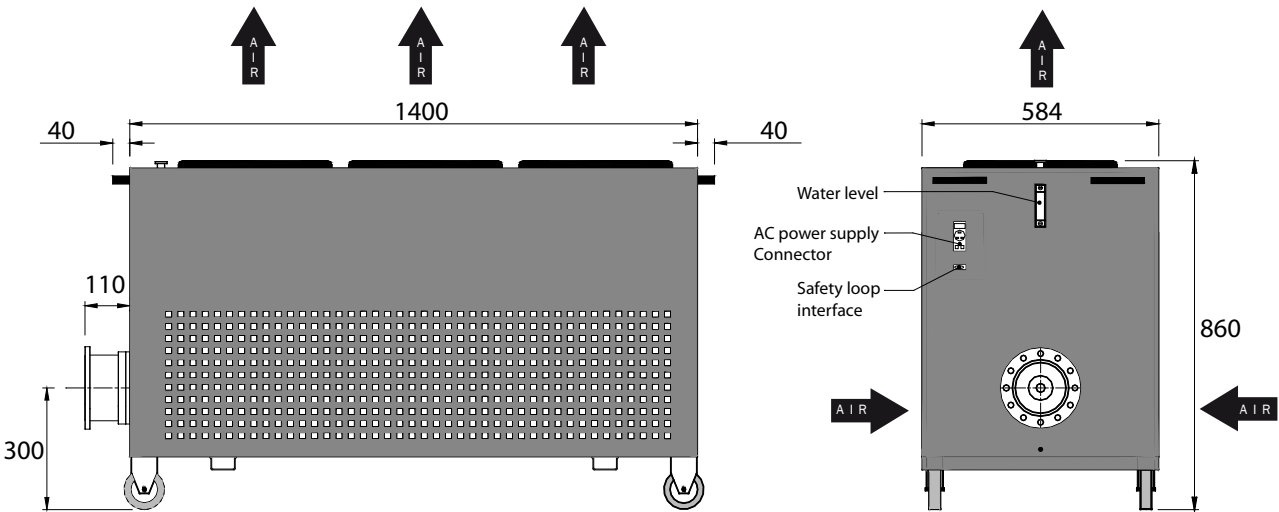
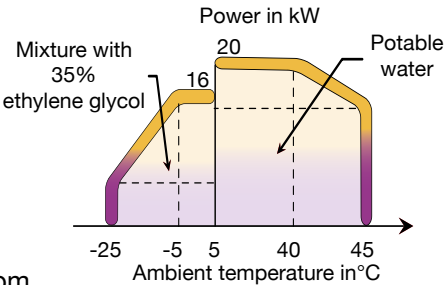


Standards
NF C 96-315
MIL-DTL-39030



Power Dummy Loads

Impedance	50 $\Omega \pm 5\%$
Frequency	DC – 450 MHz
Max VSWR	≤ 1.15 at 450 MHz
Average power @ 25°C	20 kW (Potable water) 16 kW (Mixture with 35% ethylene glycol)
Peak power 3.5ms 14Hz	400 kW (potable water)
Cooling	Water + forced air
Potable water	7 < pH < 8.2, mineral salts concentration < 75 ppm
Weight	183 kg (including 22 liters of water)



Dimensions in mm

[Return to Search by Part Number](#)

P/N	Connector*	AC power supply*
17-0693	EIA 6.1/8"	220 V – 50 Hz
17-0878	EIA 4.1/2"	220 V – 50 Hz

* Others models on request.



Instruction manual and wiring diagram available on request

Search by Part Number

Part Number	Page
17-0010	S3
17-0023	S3
17-0055	S13
17-0081	S4
17-0087	S18
17-0169	S14
17-0171	S3
17-0200	S13
17-0299	S5
17-0305	S3
17-0319	S5
17-0327	S12
17-0328	S4
17-0341	S13
17-0359	S4
17-0410	S7
17-0411	S7
17-0412	S9
17-0413	S9
17-0414	S7
17-0415	S7
17-0416	S9
17-0417	S9
17-0429	S3
17-0442	S3
17-0447	S14
17-0455	S7
17-0486	S14
17-0499	S24
17-0501	S23
17-0502	S25
17-0506	S18
17-0506 NPT	S18
17-0507	S7
17-0516	S22
17-0517	S22
17-0518	S21
17-0519	S21
17-0534	S12
17-0538	S20
17-0539	S20
17-0540	S19

Part Number	Page
17-0540 NPT	S19
17-0542	S4
17-0563	S4
17-0592	S14
17-0615	S11
17-0618	S17
17-0659	S13
17-0671	S18
17-0676	S15
17-0686	S7
17-0693	S26
17-0708V	S6
17-0711	S14
17-0735	S16
17-0741	S3
17-0755V	S6
17-0766V	S6
17-0774	S8
17-0775	S8
17-0776	S10
17-0777	S10
17-0780	S7
17-0793	S5
17-0797	S4
17-0799	S17
17-0878	S26
17-0887	S14
17-0904	S4
17-0909	S8
17-0910	S8
17-0911	S10
17-0912	S10
17-3184	S4
17-5231	S5
17-5232	S5
17-5238	S4
17-5239	S3
17-5240	S3
17-5241	S4
17-5243	S3
17-6752	S15



