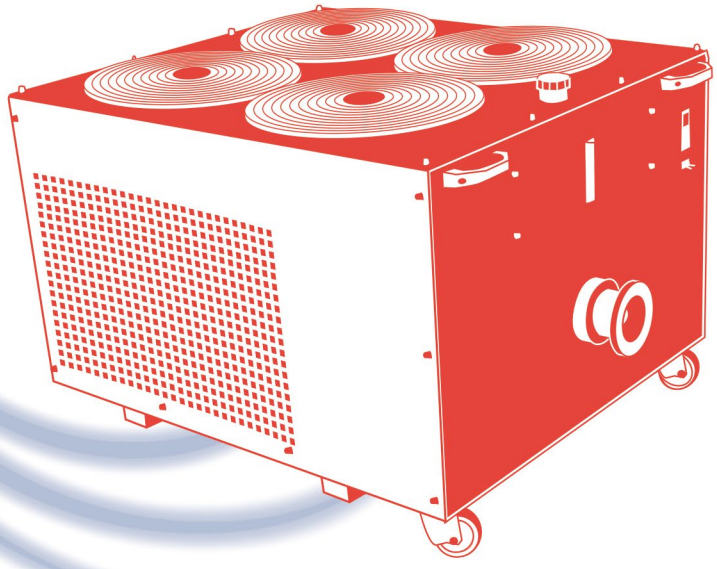
POWER DUMMY LOADS

=> Search by Part Number

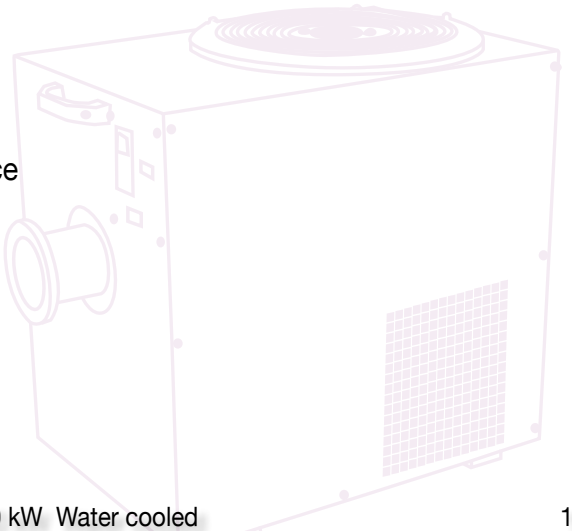


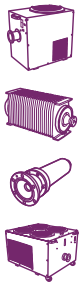
DICONEX
laroche group
DELTA OHM

CATALOGUE EDITION 7

For Broadcast Equipments Termination

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



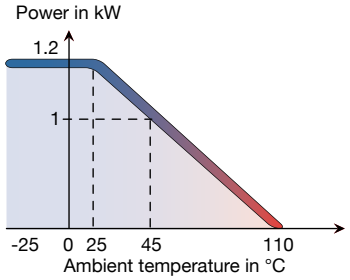


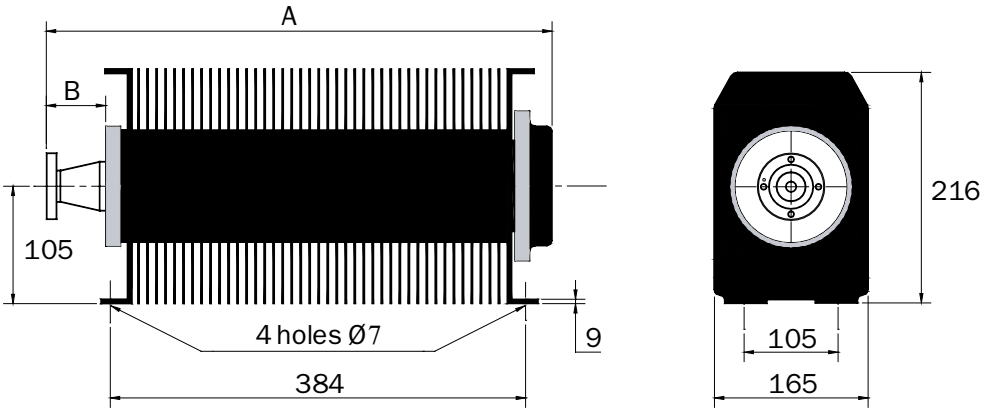
1.2 kW Oil cooled

Standards
NF C 96-315
MIL-DTL-39030

RoHS CERTIFIED

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 +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	478	47
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

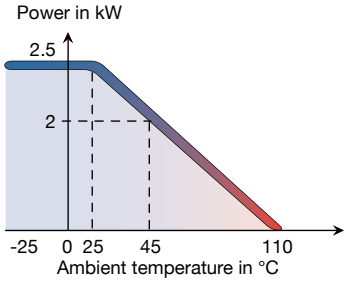
* Thermoswitch 130°C
** Thermoswitch 90°C
*** NNO 5985-14-556-3890

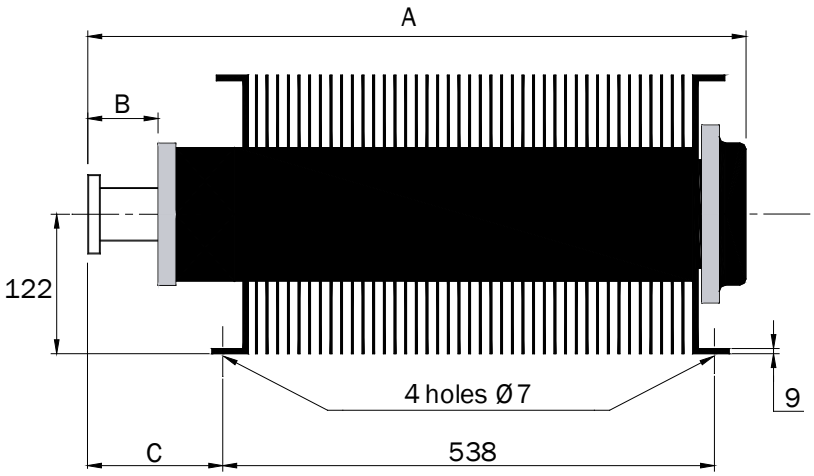
	Option
FM40	VSWR ≤ 1.02 from 87 to 108 MHz for FM
BIII	VSWR ≤ 1.05 from 170 to 230 MHz for BIII
NU	VSWR ≤ 1.05 from 470 to 860 MHz for DVB

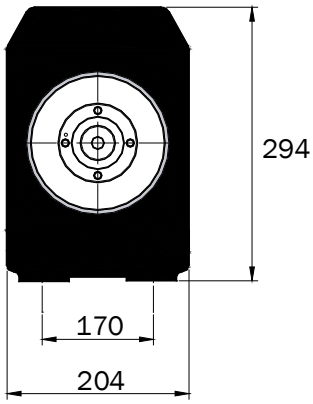
2.5 kW Oil cooled

Standards
NF C 96-315
MIL-DTL-39030

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 +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

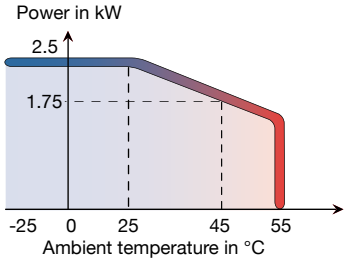
	Option
FM40	VSWR ≤ 1.02 from 87 to 108 MHz for FM
BIII	VSWR ≤ 1.05 from 170 to 230 MHz for BIII
NU	VSWR ≤ 1.05 from 470 to 860 MHz for DVB

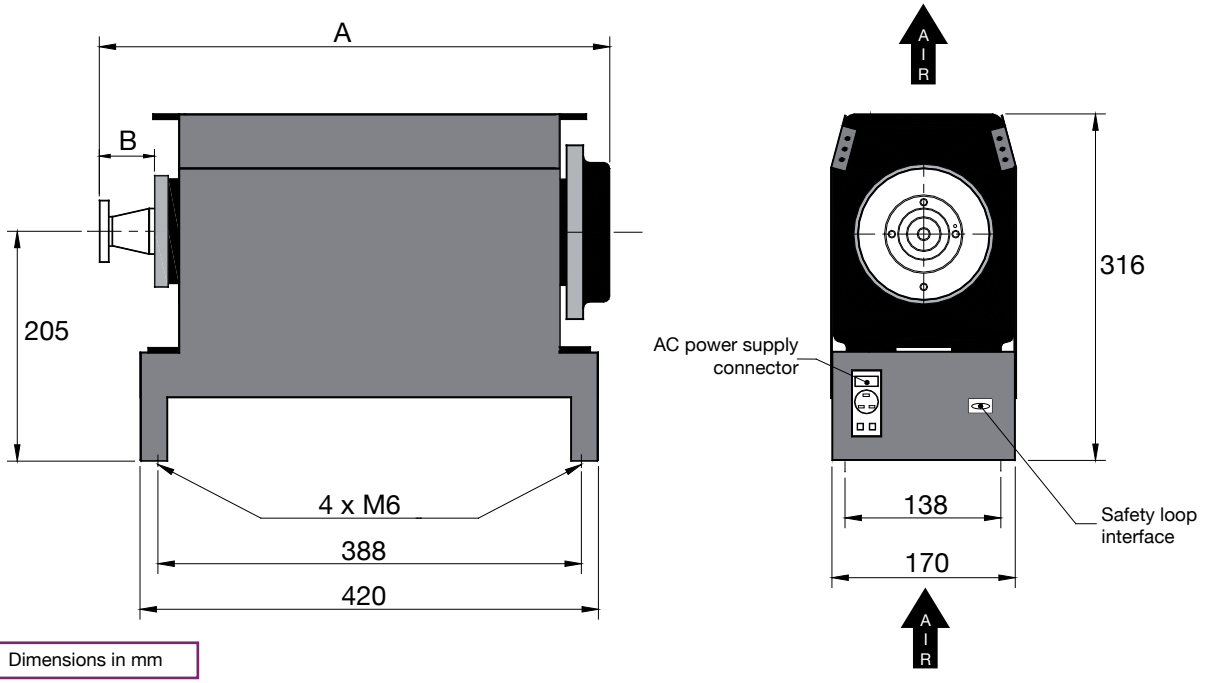
2.5 kW Forced air oil cooled

Standards
NF C 96-315
MIL-DTL-39030

RoHS CERTIFIED

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 @ 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

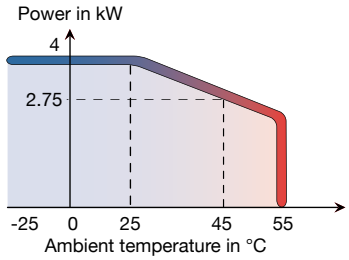
* Safety loop

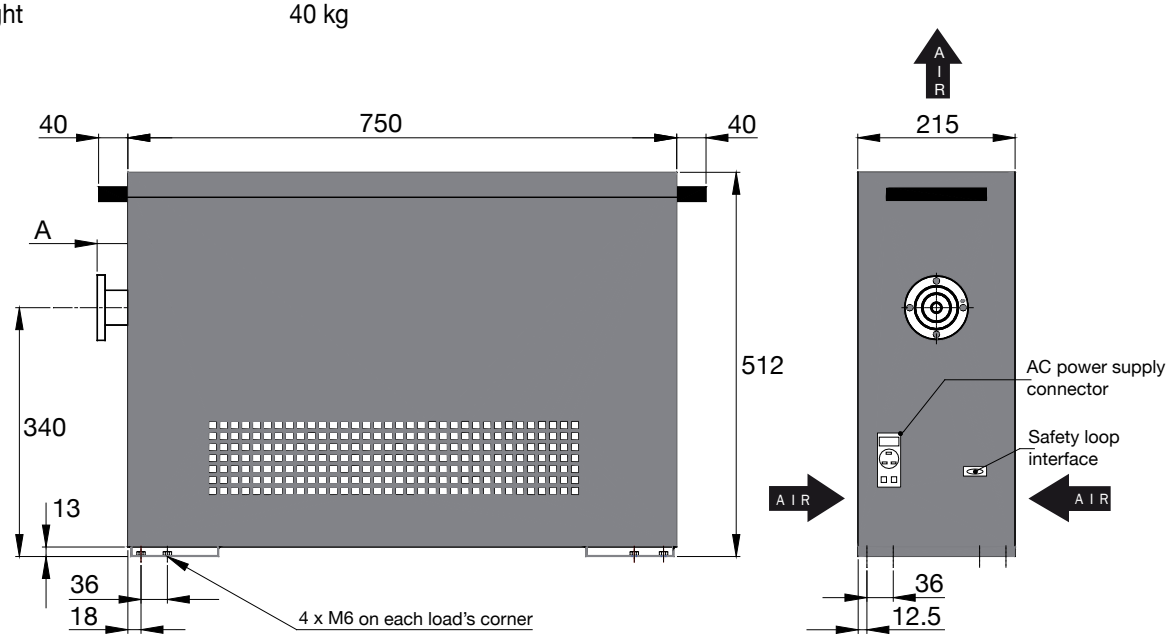
	Option
FM40	VSWR ≤ 1.02 from 87 to 108 MHz for FM
BIII	VSWR ≤ 1.05 from 170 to 230 MHz for BIII
NU	VSWR ≤ 1.05 from 470 to 860 MHz for DVB
V	Fans on/off depending on RF power applied

4 kW Forced air oil cooled

Standards
NF C 96-315
MIL-DTL-39030

Impedance	50 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 @ 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

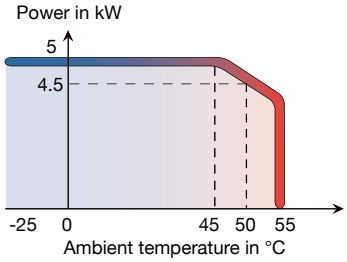
	Option
FM40	VSWR ≤ 1.02 from 87 to 108 MHz for FM
BIII	VSWR ≤ 1.05 from 170 to 230 MHz for BIII
NU	VSWR ≤ 1.05 from 470 to 860 MHz for DVB
V	Fans on/off depending on RF power applied
R	Swivel castors

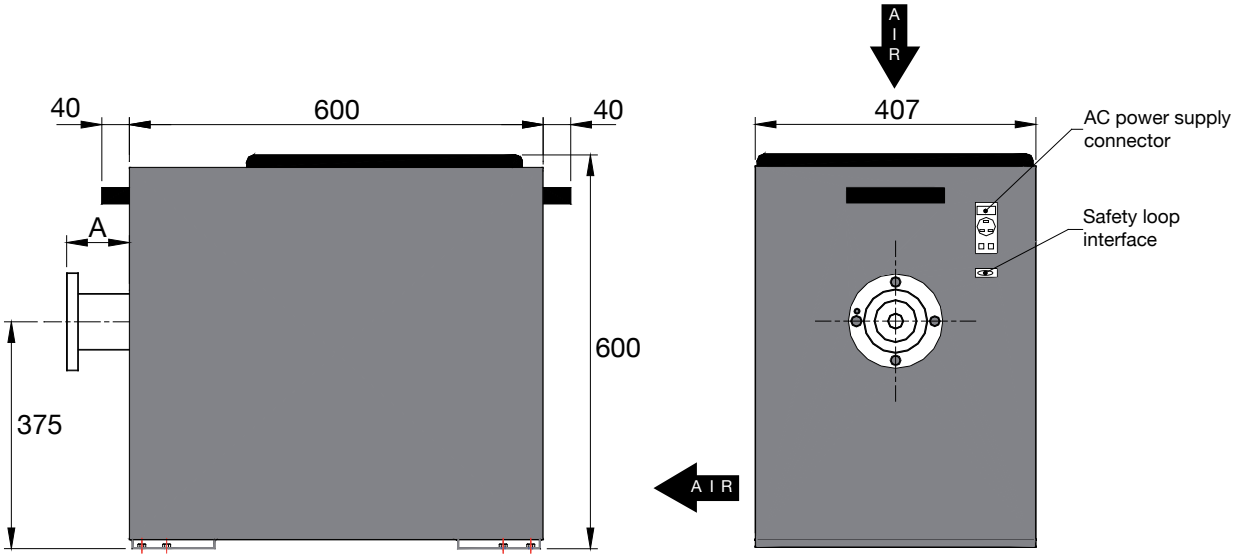
5 kW Oil cooled

Standards
NF C 96-315
MIL-DTL-39030

RoHS CERTIFIED

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	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

	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

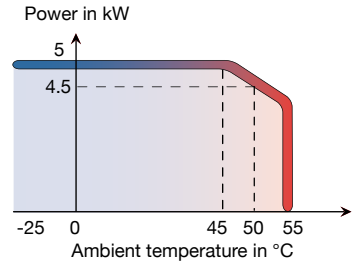
* With two transmitters interlock

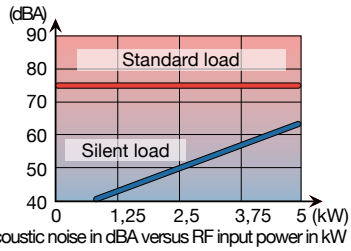
Instruction manual and wiring diagram available on request

5 kW Silent Low Energy Oil cooled

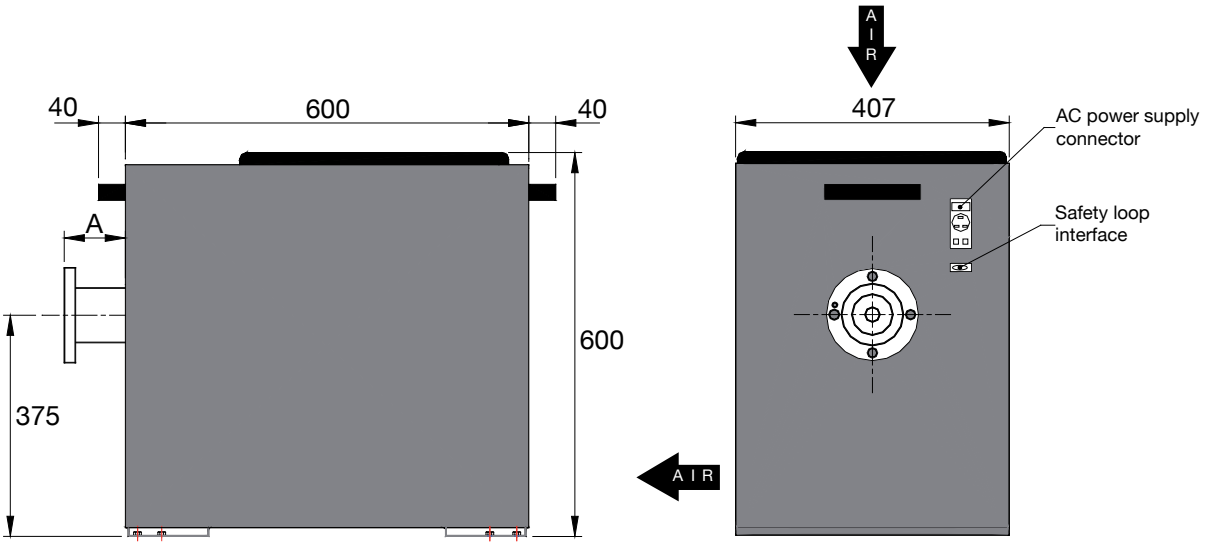
Standards
NF C 96-315
MIL-DTL-39030

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	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	≤ 10W when no RF power applied from 10W to 350W max depending on RF power applied
Weight	45 kg





Acoustic noise in dBA versus RF input power in kW



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

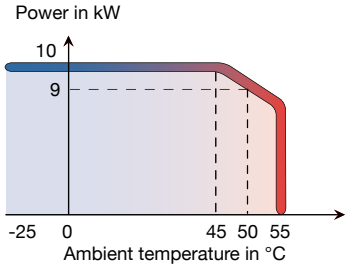
Instruction manual and wiring diagram available on request

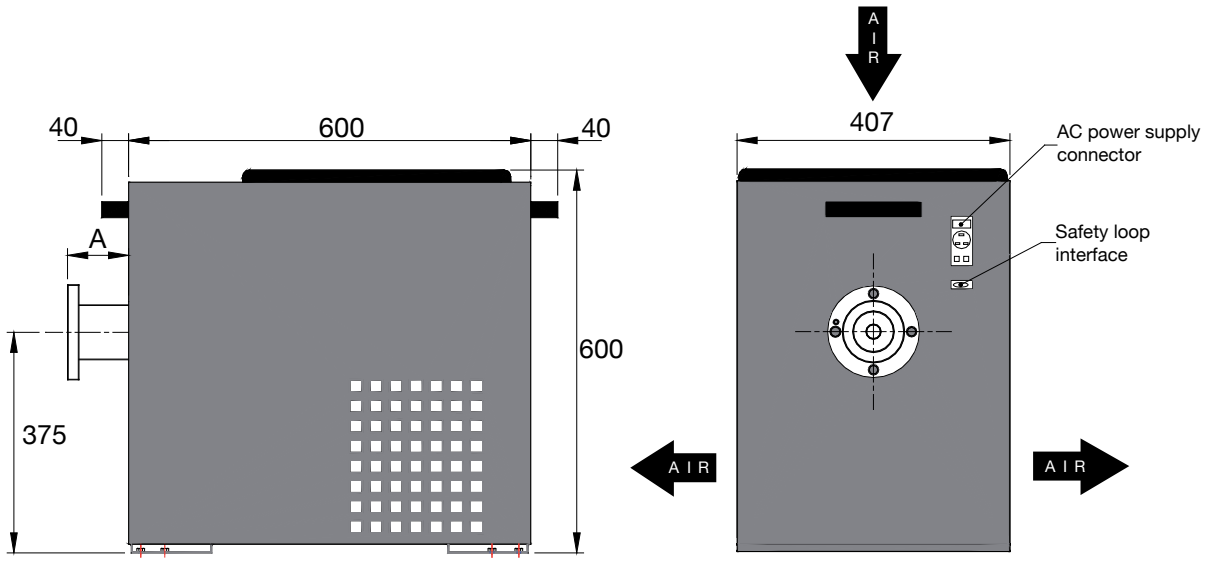
10 kW Oil cooled

Standards
NF C 96-315
MIL-DTL-39030

RoHS CERTIFIED

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	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

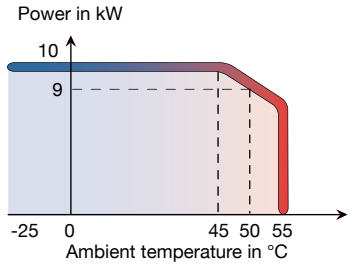
	Option
FM40	VSWR ≤ 1.02 from 87 to 108 MHz for FM
BIII	VSWR ≤ 1.05 from 170 to 230 MHz for BIII
NU	VSWR ≤ 1.05 from 470 to 860 MHz for DVB
V	Fans on/off depending on RF power applied
R	Swivel castors
P	Remote control for power supply

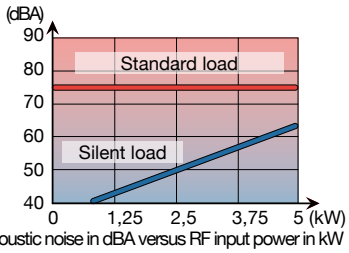
Instruction manual and wiring diagram available on request

10 kW Silent Low Energy Oil cooled

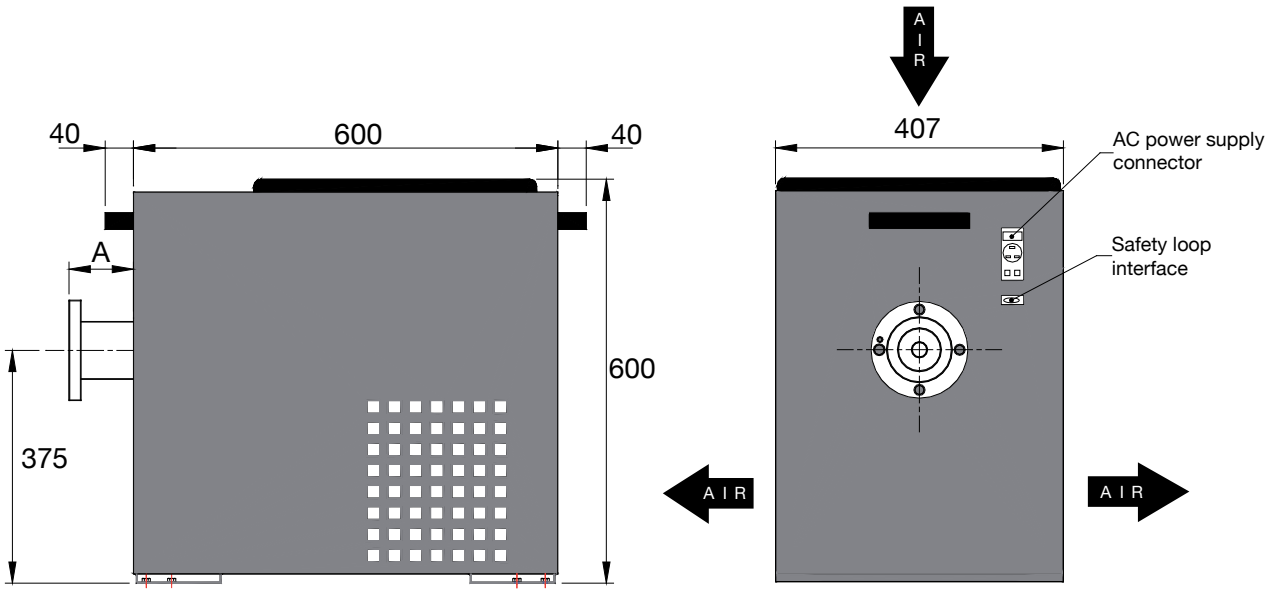
Standards
NF C 96-315
MIL-DTL-39030

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	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	≤ 10W when no RF power applied from 10W to 350W max depending on RF power applied
Weight	47 kg





Acoustic noise in dBA versus RF input power in kW



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

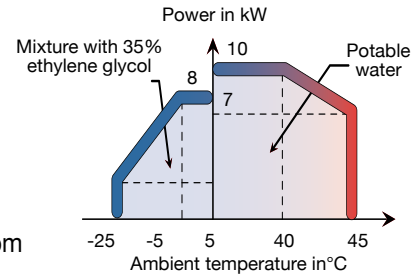
Instruction manual and wiring diagram available on request

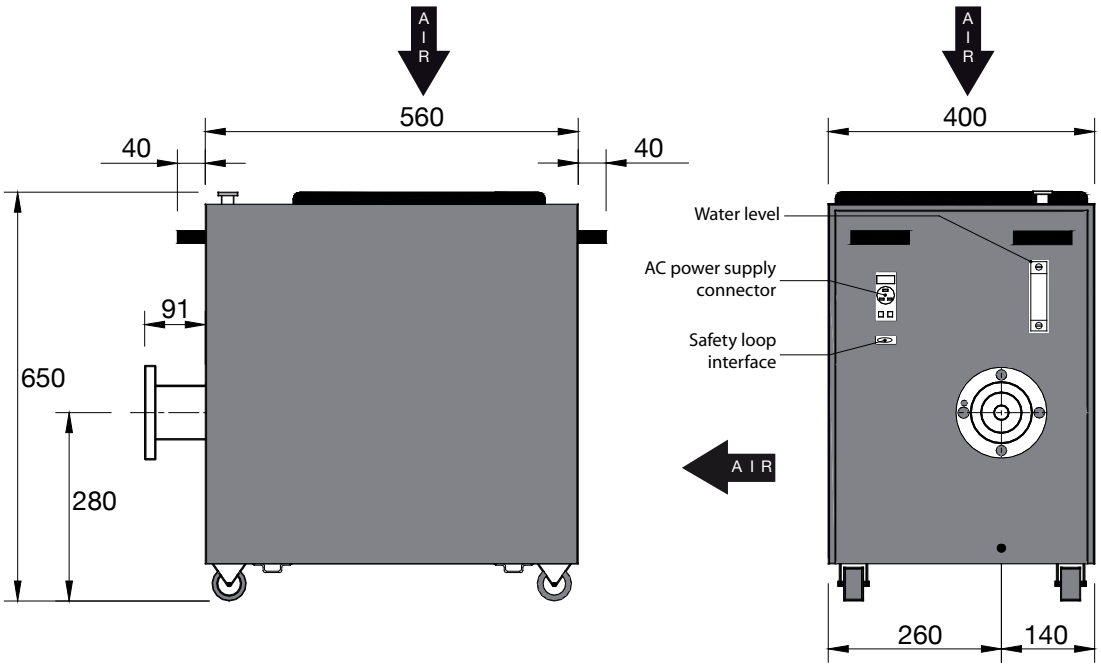
Tel. +33 (0)1 34 16 33 00 - www.diconex.fr
DICONEX laroche group DELTA OHM
12 avenue des Cures Z.I. - 95580 Andilly - FRANCE

10 kW Water cooled

Standards
NF C 96-315
MIL-DTL-39030

Impedance	50 Ω ± 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

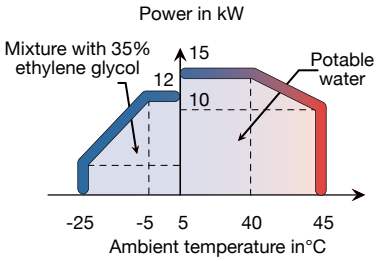
	Option
NU	VSWR ≤ 1.06 from 470 to 860 MHz for DVB
V	Fans on/off depending on RF power applied

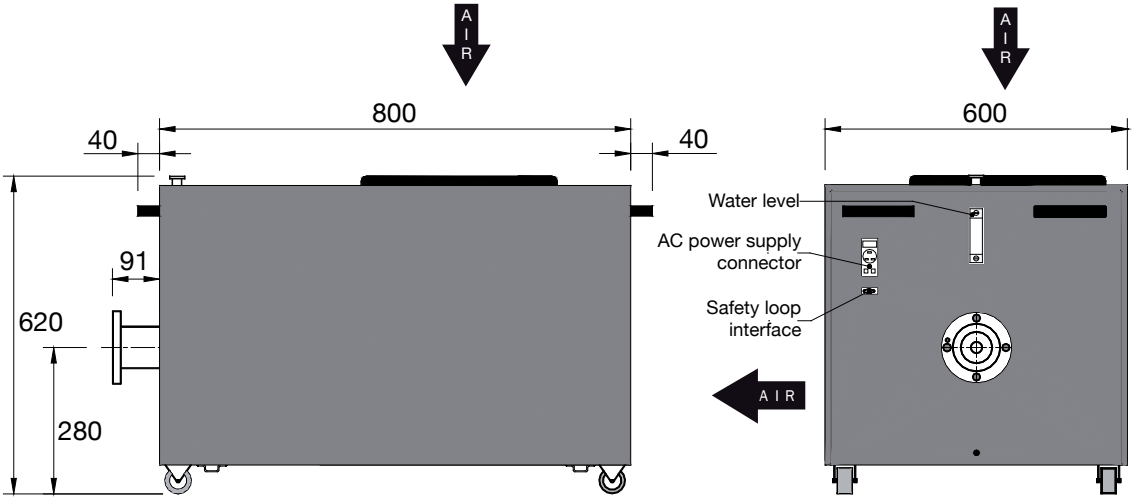
Instruction manual and wiring diagram available on request

15 kW Water cooled

Standards
NF C 96-315
MIL-DTL-39030

Impedance	50 Ω ± 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

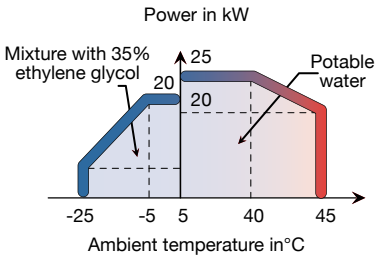
Instruction manual and wiring diagram available on request

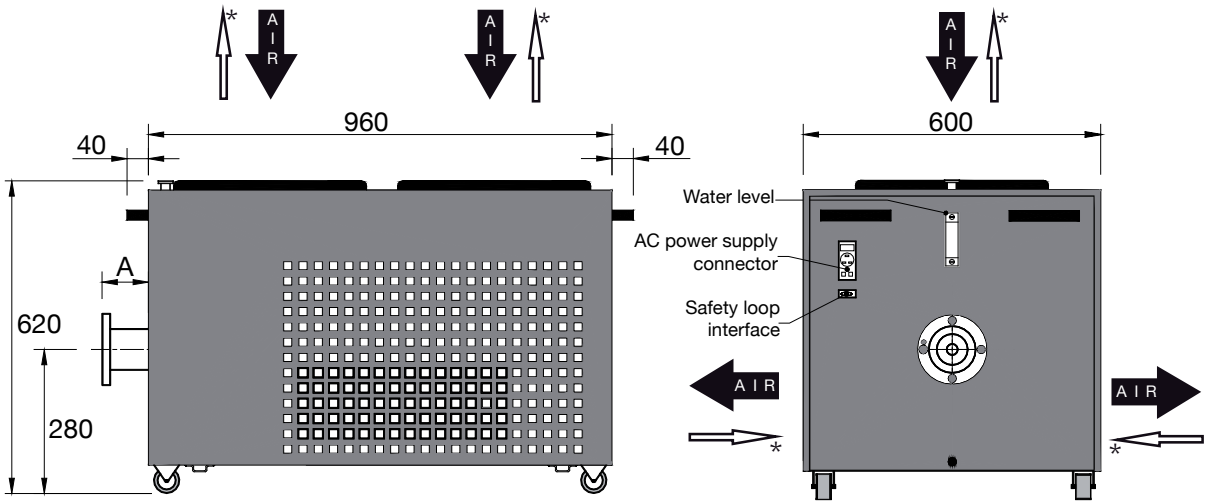
25 kW Water cooled

Standards
NF C 96-315
MIL-DTL-39030

RoHS CERTIFIED

Impedance	50 Ω ± 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

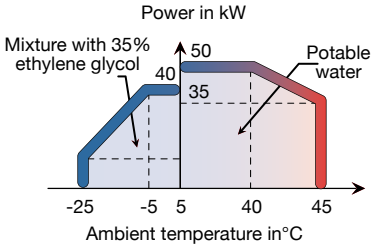
* Air flow inverted

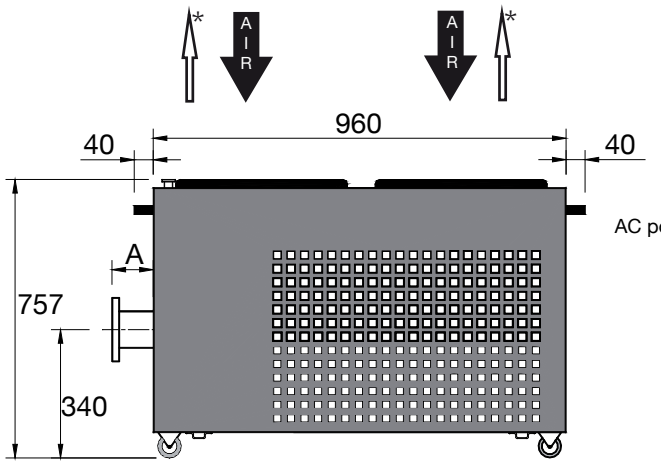
Instruction manual and wiring diagram available on request

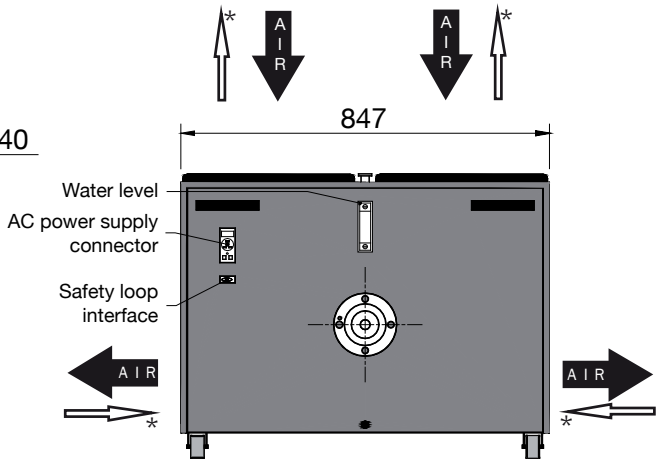
50 kW Water cooled

Standards
NF C 96-315
MIL-DTL-39030

Impedance	50 Ω ± 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

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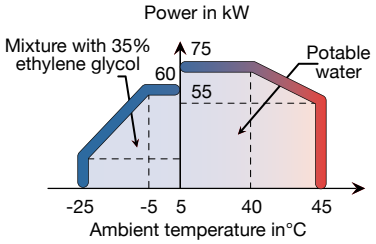
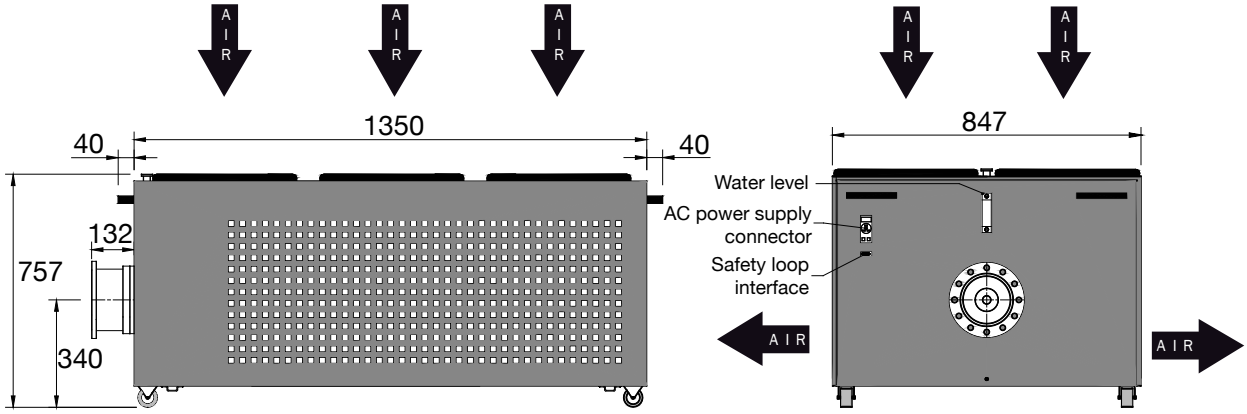
75 kW Water cooled

Standards
NF C 96-315
MIL-DTL-39030

RoHS CERTIFIED

Impedance	50 Ω ± 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

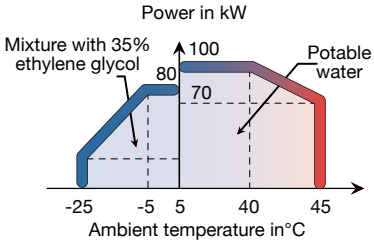
	Option
V	Fans on/off depending on RF power applied

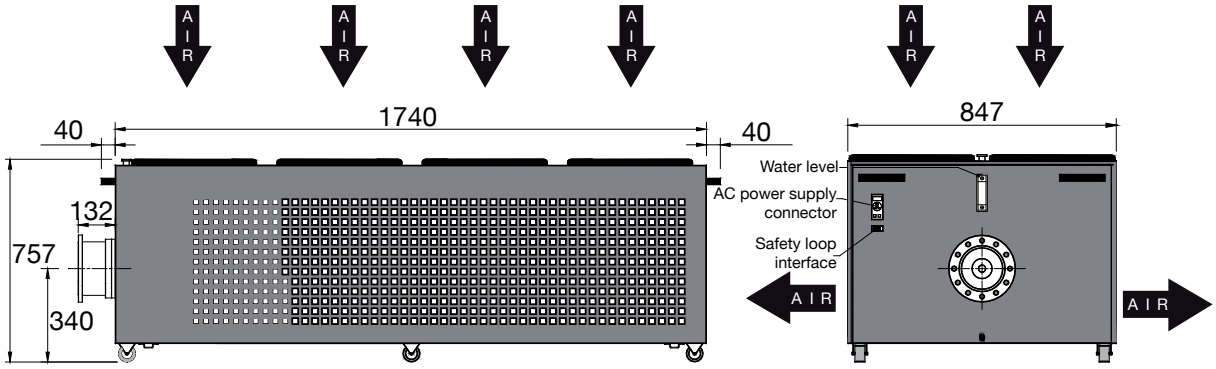
Instruction manual and wiring diagram available on request

100 kW Water cooled

Standards
NF C 96-315
MIL-DTL-39030

Impedance	50 Ω ± 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

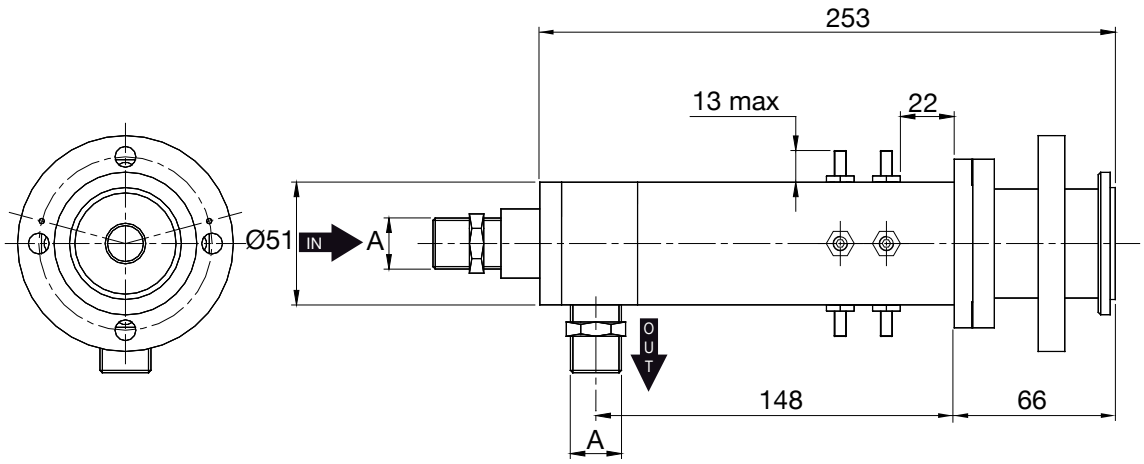
P/N	Connector	AC power supply
17-0735	EIA 6.1/8"	220 V – 50 Hz

Instruction manual and wiring diagram available on request

5 kW Water cooled Coaxial

Standards
NF C 96-315
MIL-DTL-39030

Impedance	50 Ω ± 5%
Frequency	DC – 1 GHz
Max VSWR	≤ 1.10 at 860 MHz
Average power	5 kW (Potable water)
Water flow	0.5 m³/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

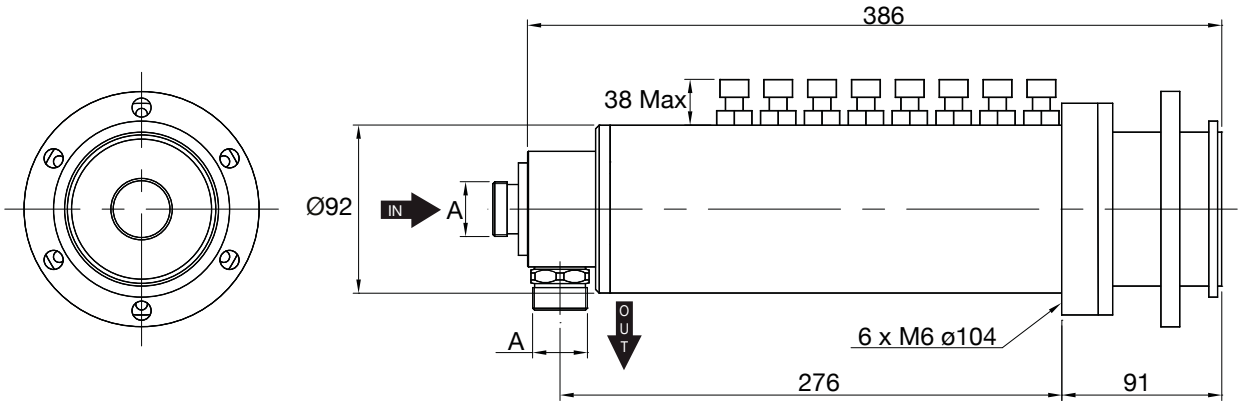
P/N	Connector	A
17-0618	EIA 1.5/8"	R 1/2"
17-0799	Unflanged 1.5/8"	G 1/2"

	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

Impedance	50 Ω ± 5%
Frequency	DC – 1 GHz
Max VSWR	≤ 1.10 at 860 MHz
Average power	30 kW (Potable water)
Water flow	2 m³/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

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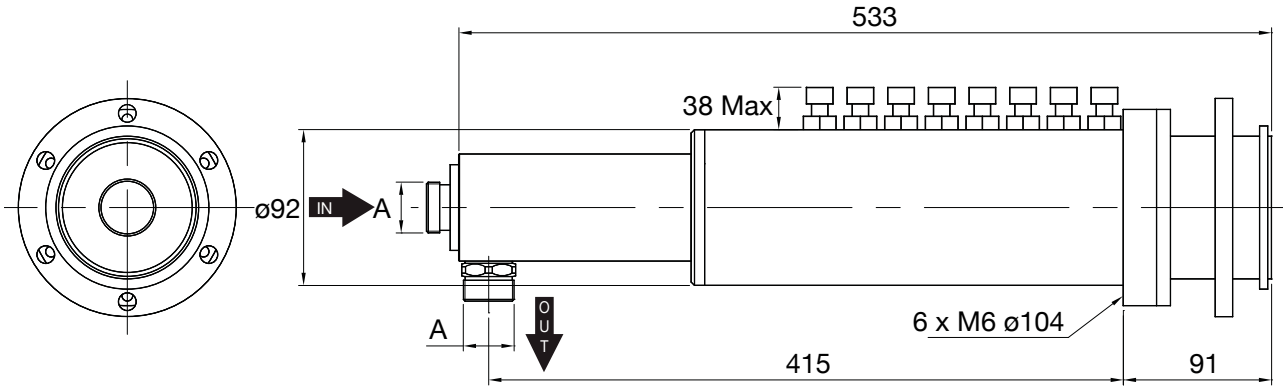
50 kW Water cooled Coaxial

Standards
NF C 96-315
MIL-DTL-39030

Impedance	50 Ω ± 5%
Frequency	DC – 1 GHz
Max VSWR	≤ 1.10 at 860 MHz
Average power	50 kW (Potable water)
Water flow	4 m³/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



Dimensions in mm

Return to Search by Part Number

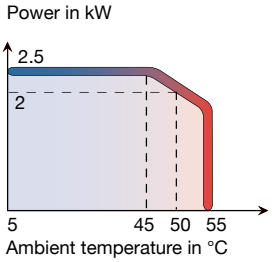
P/N	Connector	A
17-0540	EIA 3.1/8”	G 1"
17-0540 NPT	EIA 3.1/8”	NPT 1"

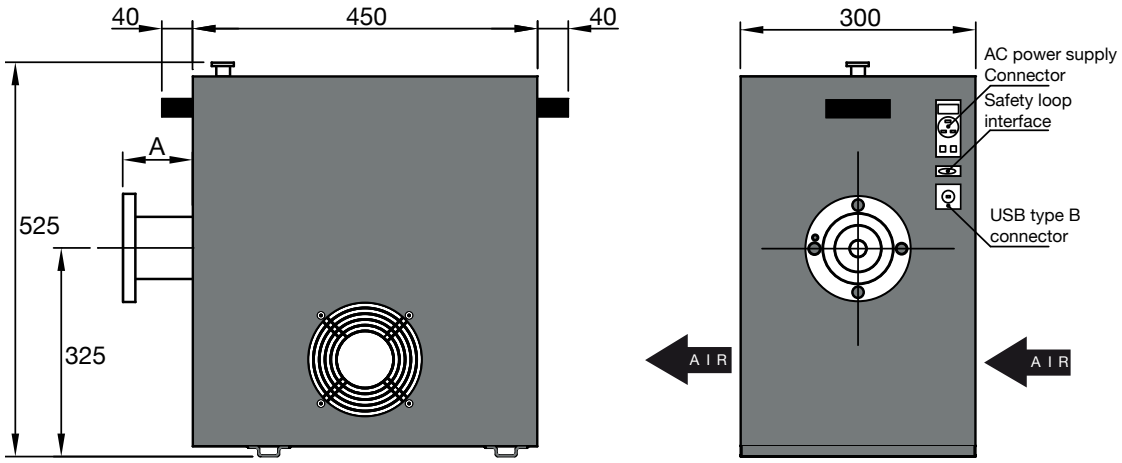
	Option
NU	VSWR ≤ 1.06 from 470 to 860 MHz for DVB

2.5 kW Oil cooled with digital calorimeter

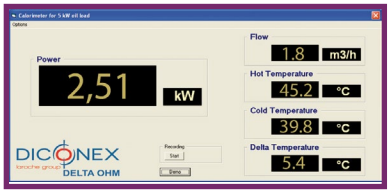
Standards
NF C 96-315
MIL-DTL-39030

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

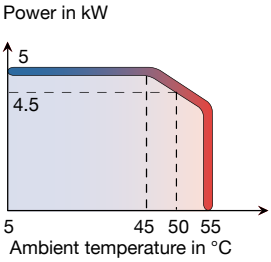
Instruction manual and wiring diagram available on request

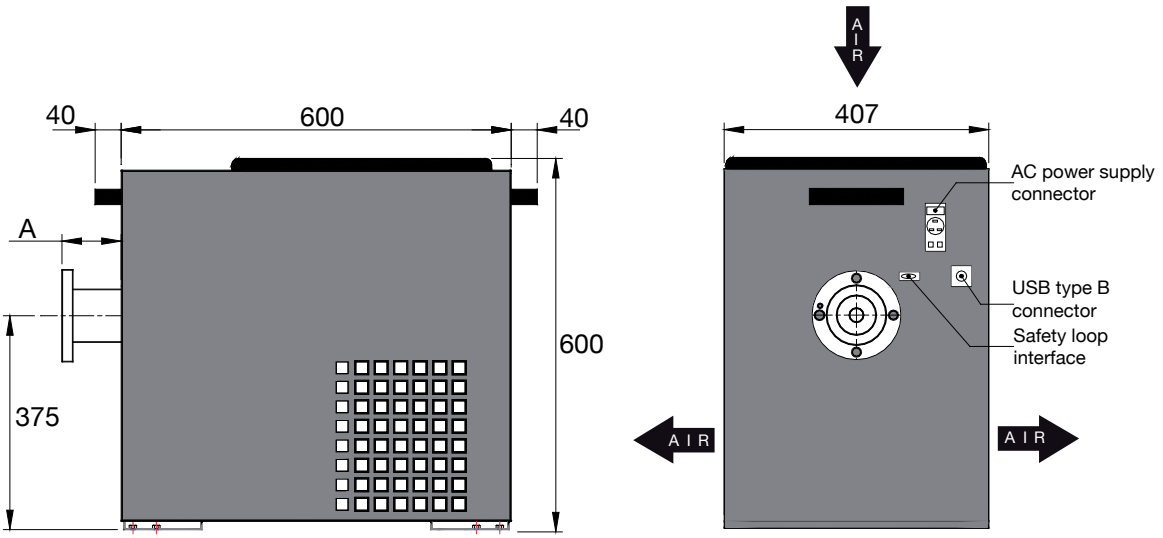
5 kW Oil cooled with digital calorimeter

Standards
NF C 96-315
MIL-DTL-39030

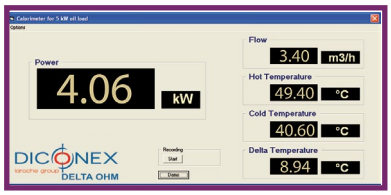
RoHS CERTIFIED

Impedance	50 Ω ± 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	±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.

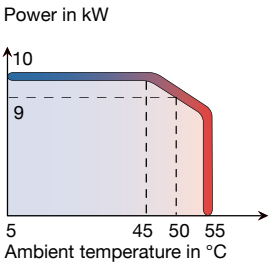
	Option
FM40	VSWR ≤ 1.02 from 87 to 108 MHz for FM
BIII	VSWR ≤ 1.05 from 170 to 230 MHz for BIII
NU	VSWR ≤ 1.05 from 470 to 860 MHz for DVB
R	Swivel castors
P	Remote control for power supply

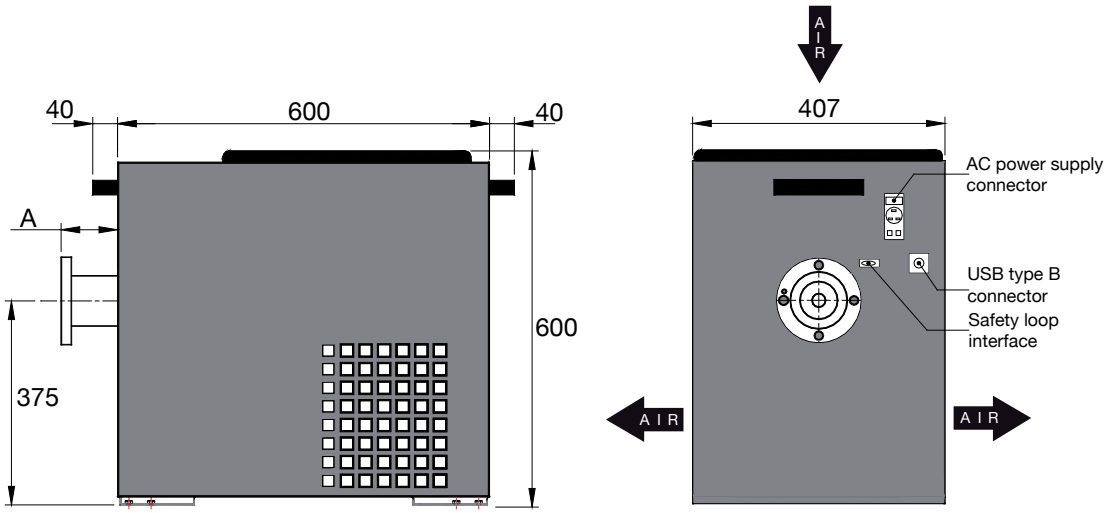
Instruction manual and wiring diagram available on request

10 kW Oil cooled with digital calorimeter

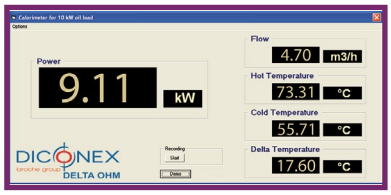
Standards
NF C 96-315
MIL-DTL-39030

Impedance	50 Ω ± 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	±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

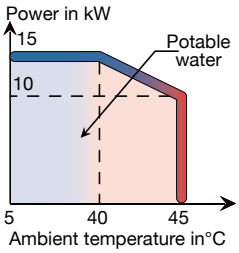
Instruction manual and wiring diagram available on request

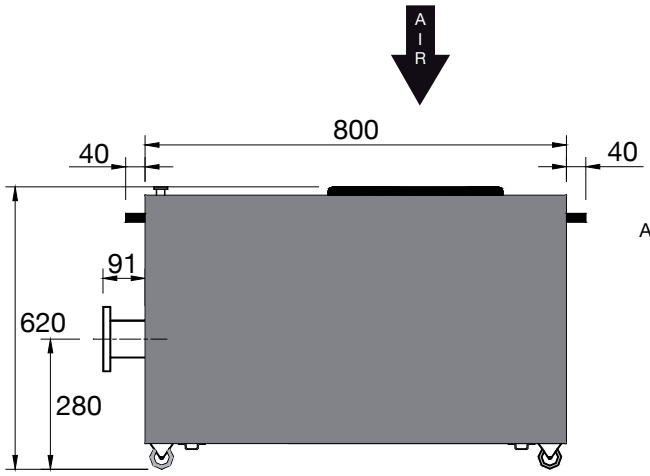
15 kW Water cooled with digital calorimeter

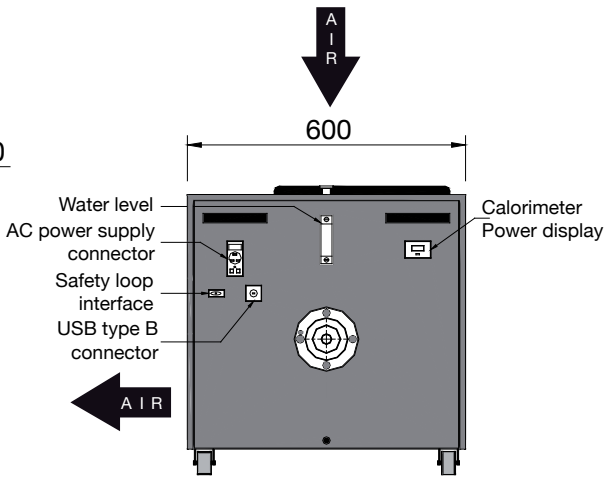
Standards
NF C 96-315
MIL-DTL-39030

RoHS CERTIFIED

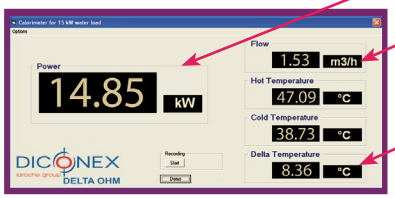
Impedance	50 Ω ± 5%
Frequency	DC – 1 GHz
Max VSWR	≤ 1.10 at 860 MHz
Average power @ 40°C	15 kW
Cooling	Water + forced air
Potable water	7 < pH < 8.2, mineral salts concentration < 75 ppm
Safety loop	Flowswitch + Thermoswitch serial wired
	(5/5.08 Feed through header - 2 wires AWG 24-12)
Power supply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

Q (m³/h)

Δ T (°C)

P = 1.16 x Q x ΔT

Return to Search by Part Number

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

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

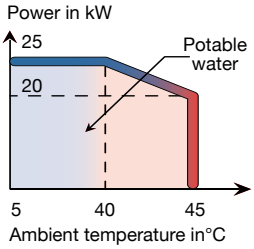
* Others models on request.

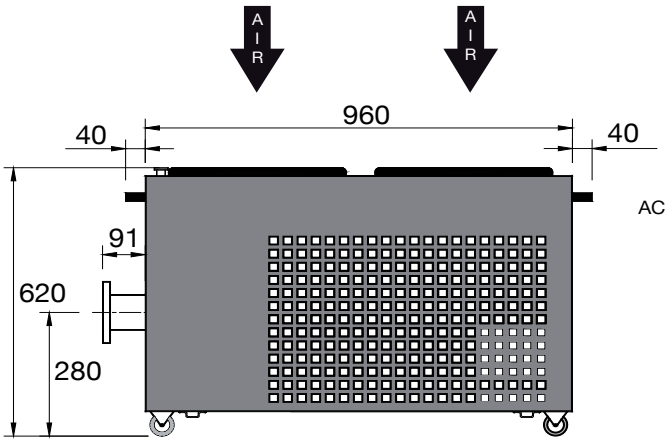
Instruction manual and wiring diagram available on request

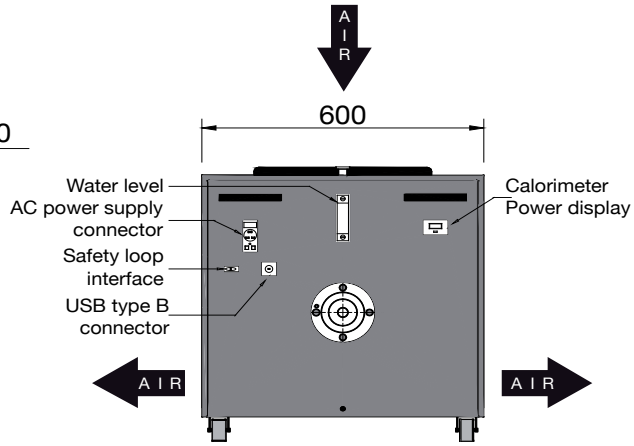
25 kW Water cooled with digital calorimeter

Standards
NF C 96-315
MIL-DTL-39030

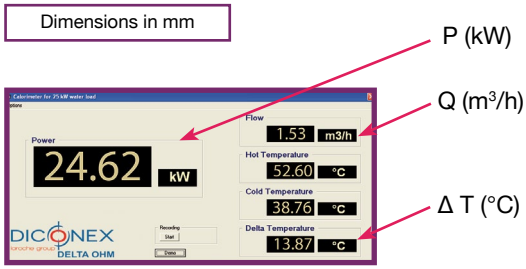
Impedance	50 Ω ± 5%
Frequency	DC – 1 GHz
Max VSWR	≤ 1.10 at 860 MHz
Average power @ 40°C	25 kW
Cooling	Water + forced air
Potable water	7 < pH < 8.2, mineral salts concentration < 75 ppm
Safety loop	Flowswitch + Thermoswitch serial wired (5/5.08 Feed through header - 2 wires AWG 24-12)
Power supply	1250 VA (2 fans + 1 pump) - C14 IEC Fuses Inlet
Calorimeter accuracy	±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 x Q x ΔT

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

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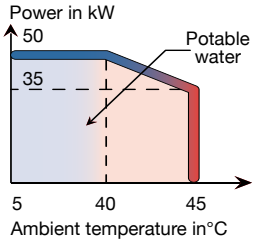
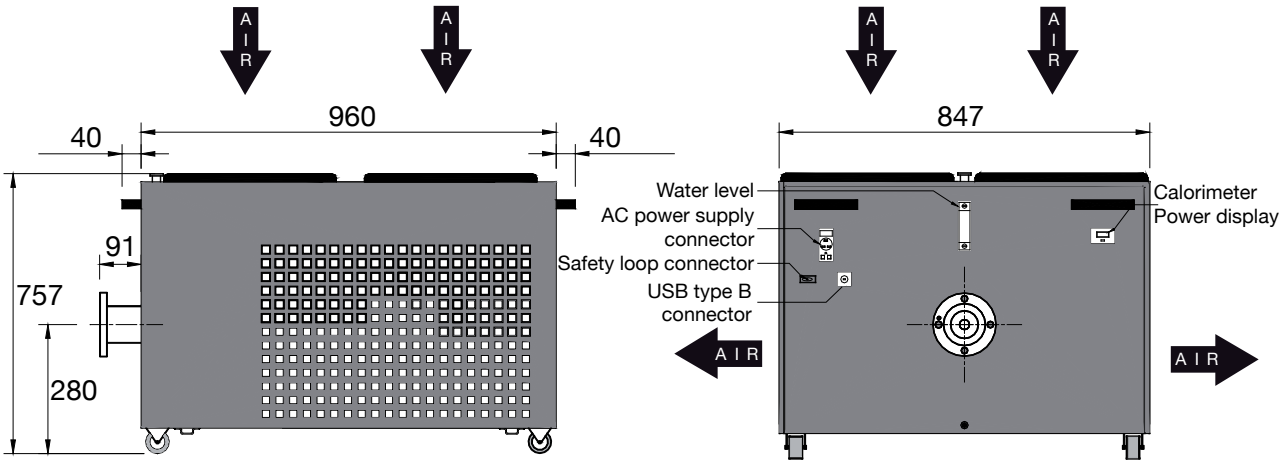
50 kW Water cooled with digital calorimeter

Standards
NF C 96-315
MIL-DTL-39030

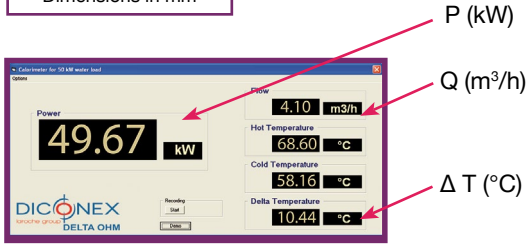
RoHS CERTIFIED

Impedance	50 Ω ± 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	±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





Dimensions in mm



P = 1.16 x Q x ΔT

Return to Search by Part Number

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

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

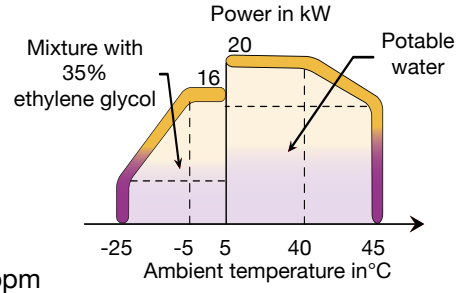
* Others models on request.

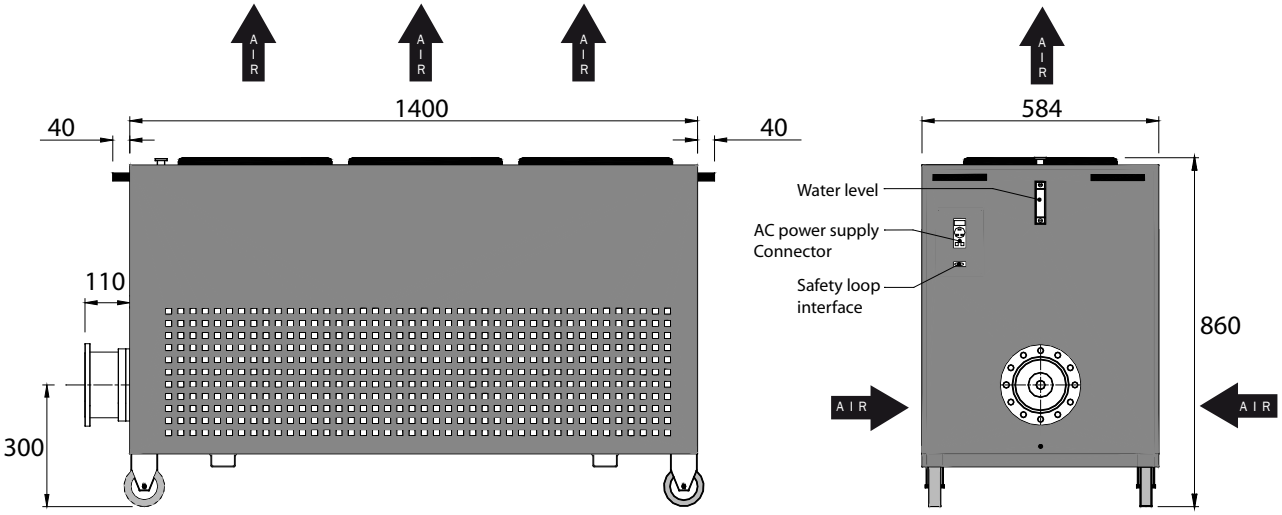
Instruction manual and wiring diagram available on request

20 kW - 400 kW Peak Water Cooled Load

Standards
NF C 96-315
MIL-DTL-39030

Impedance	50 Ω ± 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

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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

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17-0741	S3
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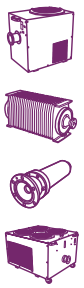
17-5240	S3
17-5241	S4
17-5243	S3
17-6752	S15




0
6.00
30
3.00
9.00
60
90
120
150
180