

Data Book

DB_MEGR_092022_EN_rev00

MEGR 13-176 kW

Air cooled condensers for IT Cooling with axial fans. Outdoor installation.



Unit image is indicative and may vary by model.

- ALUMINUM STRUCTURE FOR OUTDOOR INSTALLATION
- MICROCHANNEL CONDENSING COIL OR TUBE AND FINS
- AXIAL FANS WITH AC OR EC ELECTRIC MOTORS
- 2 NOISE LEVELS
- REFRIGERANT R410A
- POWER SUPPLY 50HZ AND 60HZ
- ARRANGEMENT FOR REFRIGERANT R32

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ISO 9001 CERTIFICATION

Quality Management System



ISO 14001 CERTIFICATION

Environmental Management System



BS OHSAS 18001 CERTIFICATION

Occupational Health and Safety Management System



CE MARKING



RoHS 2011/65/EU



CERTIFICAZIONE CCC - CQC

(People's Republic of China)
(Russian Federation, Belarus, Kazakhstan)

GENERAL FEATURES

MEGR

Data Book
DB_MEGR_092022_EN_REV00

Air cooled condensers for IT Cooling equipped with axial fans with horizontal or vertical air flow. Air flow from coil to fan. Condensers are supplied with sealing charge and refrigerant charge must be made. All-aluminum construction particularly suitable for outdoor installation. Construction solution allows high application flexibility. 2 series with 12 models each, with capacities from 13 to 176 kW.

The series have power supply independent of the indoor unit.

Refrigerant and electrical connection of the proportional condensation control signal and alarms are required between the indoor unit and the condenser.

PRODUCT FEATURES AND BENEFITS

- Adaptable to any type of system;
- Full magnesium aluminum alloy structure;
- Aluminum microchannel heat exchanger with low refrigerant content or Cu/Al fin tube;
- Aluminum structure and coil ensuring the absence of electrochemical potentials produced by different materials;
- Small size and weight for easy handling and installation;
- Power supply independent of the indoor unit;
- Available for 50Hz or 60Hz power supply;
- Models with 1/2/3 fans - horizontal air flow from coil to fan. Vertical air flow on request;
- Models with 4/6 fans - vertical air flow from coil to fan;
- 2 noise levels and high operating silence suitable for applications in urban areas;
- Electrical panel with line disconnect switch on board the machine;
- Fans with AC or EC electric motors;
- High efficiency fans in line with Erp2020.

MODEL IDENTIFICATION



MEGR-MC-SL-A 015

MEGR	Remote condenser ad R410A
MC	Coil type MC = Al microchannel Coil TF = Cu/Al Tube & Fins Coil
SL	Acoustic enclosure [] = Standard SL = Low Noise
A	Fan electric motor A = with AC electric motor E = with EC electric motor
015	Model code correspond to nominal capacity (kW)

SERIE DISPONIBILI



MEGR-A Remote condenser with AC fan
Standard acoustic enclosure
Power supply 230/1/50 for all models

MEGR-SL-A Remote condenser with AC fan
Acoustic enclosure low-noise
Power supply 230/1/50 for all models



MEGR-E Remote condenser with EC fan
Standard acoustic enclosure
Power supply Single-phase for models 013 and 015 Microchannel and 014 Fin tube
Power supply three-phase for other models

MEGR-SL-E Remote condenser with EC fan
Acoustic enclosure low-noise
Power supply Single-phase for models 013 and 015 Microchannel and 014 Fin tube
Power supply three-phase for other models

WORKING LIMITS

EXTERNAL AIR TEMPERATURE

50°C Maximum ambient air temperature.
-35°C Minimum ambient air temperature for units equipped EC fans.
-40 °C Minimum ambient air temperature for units equipped AC fans.

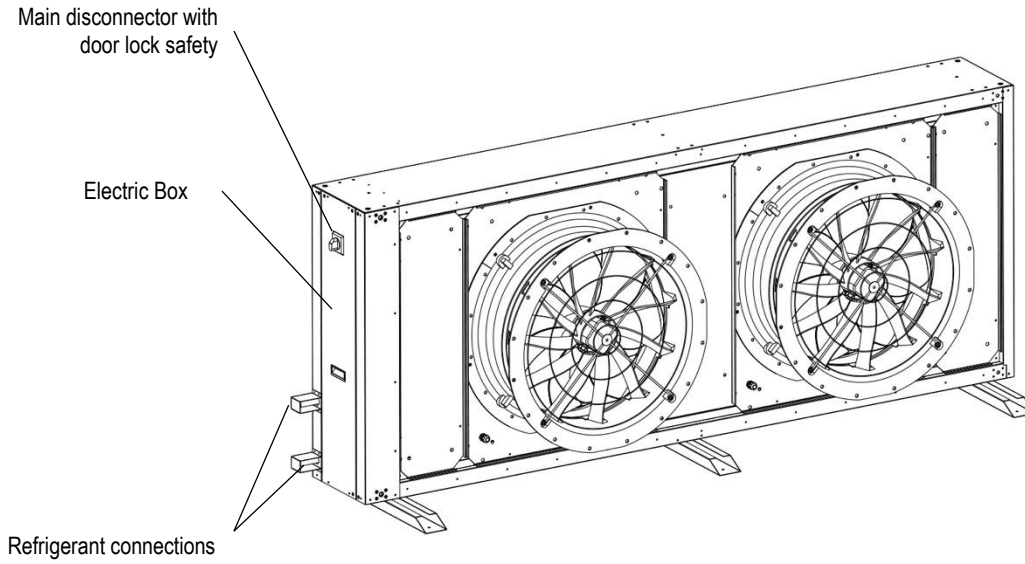
POWER SUPPLY

230 V± 10% Maximum tolerance of the supply voltage for version with AC motors.
200 V ÷ 277 V Power supply range for single-phase version with EC motor.
380V ÷ 480 V Power supply range for three-phases version with EC motor.
50 Hz / 60 Hz Power frequency for all versions with EC motor.
± 2% Maximum unbalance between the phases (only for fans with EC motor).

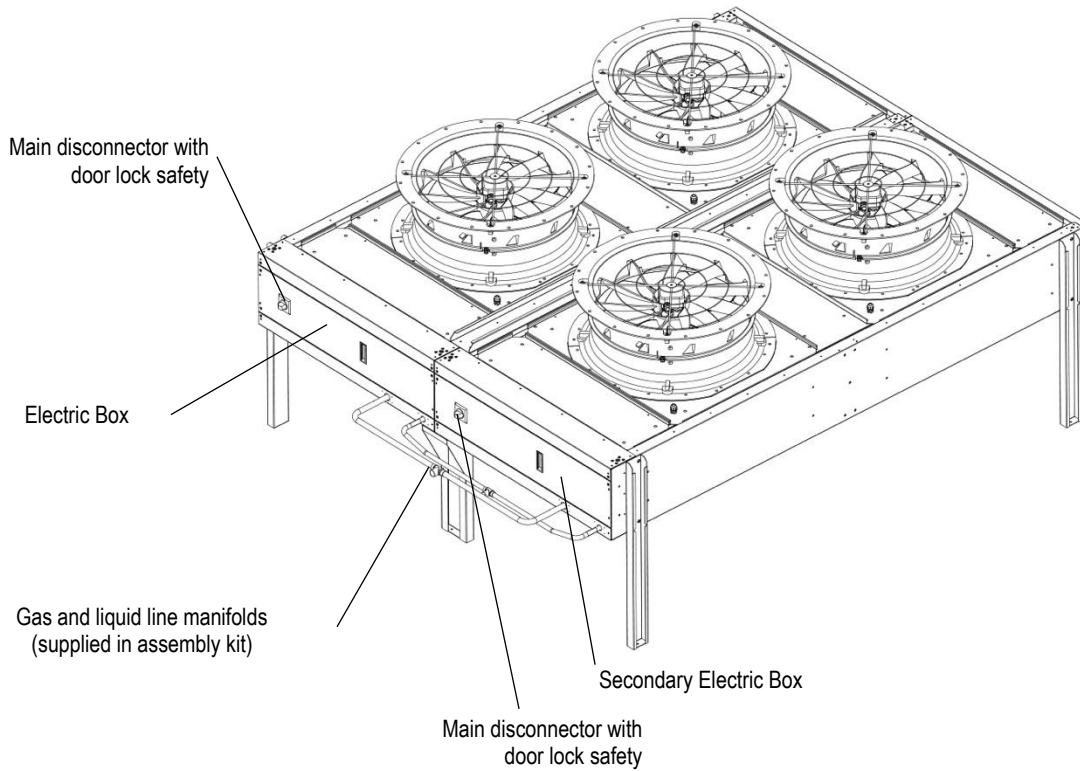
TRANSPORT AND STORAGE TEMPERATURE

During transport and if the machine is not installed at the reception, do not remove the packaging and place the machine in an enclosed, dry and protected from sunlight site at temperatures ranging between -40°C and 60°C in absence of superficial condensation

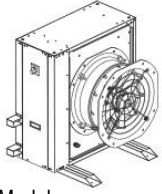
MODELS WITH 1 / 2 / 3 FANS



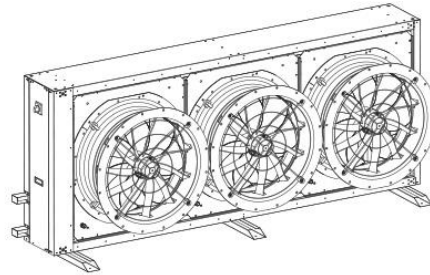
MODELS WITH 4 / 6 FANS



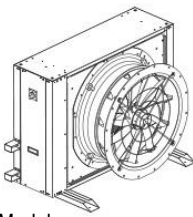
Microchannel



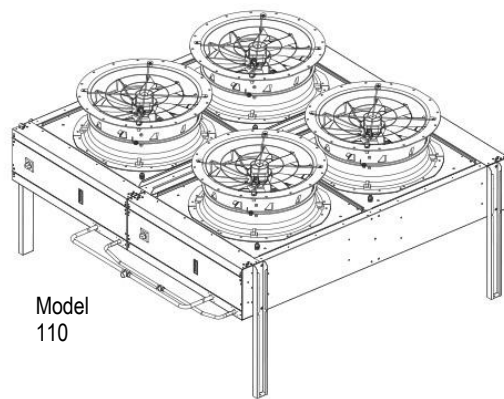
Model
013 / 015



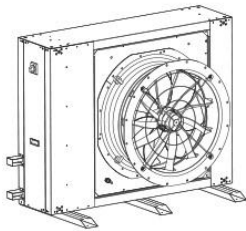
Model
082



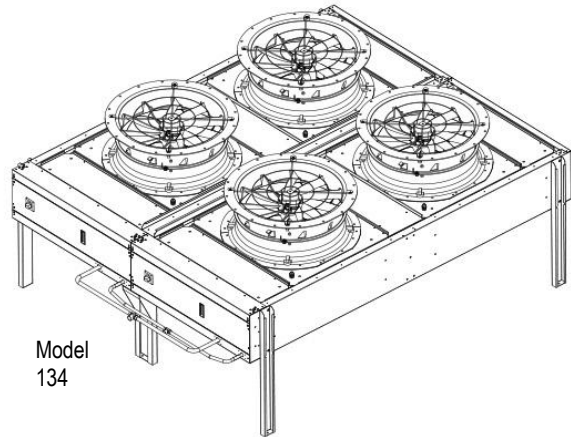
Model
024 / 027



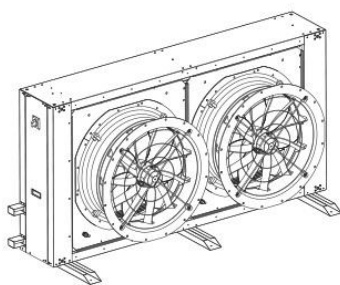
Model
110



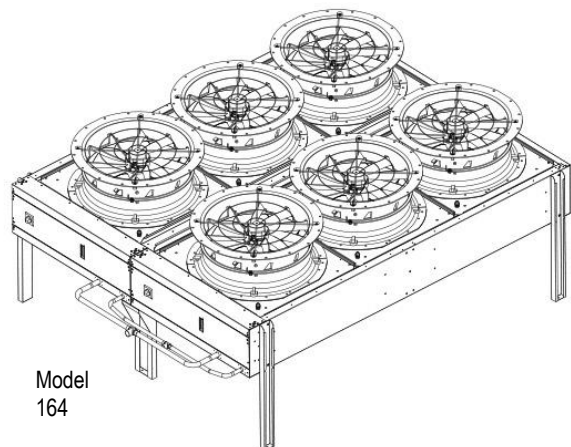
Model
034



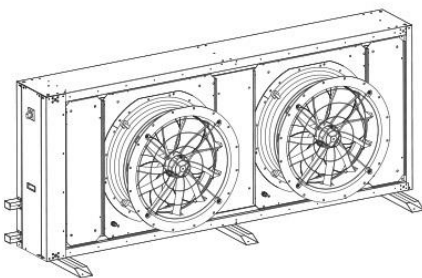
Model
134



Model
049 / 055



Model
164

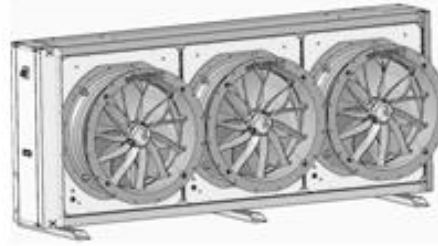


Model
067

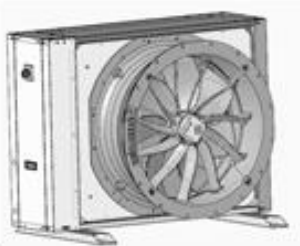
Tube and Fins



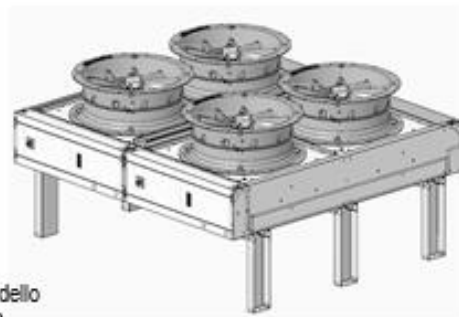
Modello
014



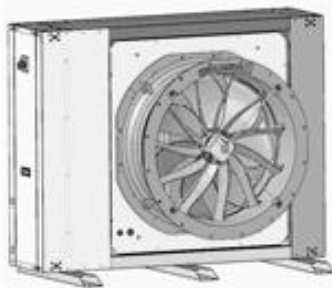
Modello
088



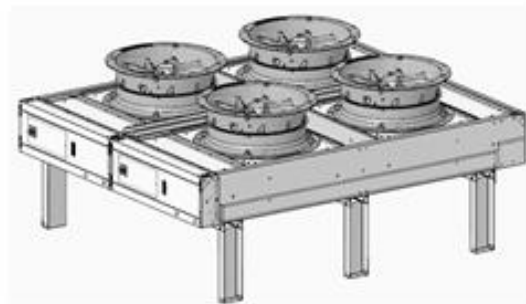
Modello
019 / 028



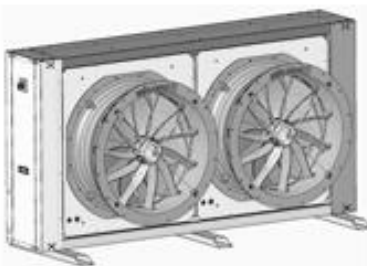
Modello
130



Modello
036



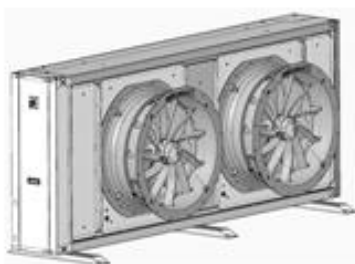
Modello
149



Modello
045 / 057 / 065



Modello
176



Modello
074



STRUCTURE

- Supporting and anchoring supports, self-supporting structure and paneling of smooth aluminum-magnesium alloy PERALLUMAN 5754 H22 cold-rolled sheet metal.
- Removable side panels.
- Side compartment for containing electrical panel and control and regulating organs.
- Natural unpainted structure.
- Structure fully recyclable at end of life.

ULTRA-SILENCED VERSION

- Dedicated fans and electronics to ensure low noise levels
- Sound insulation for side paneling.

PERALLUMAN 5754 H22

The aluminum alloy used for the condenser structure, in addition to offering high mechanical strength R_m 220 ÷ 270 N/mm² and good surface hardness HB 63, manifests its best characteristics in resistance against corrosion according to ISO 12944-2014:

- EXCELLENT for environments classified C1 - C4



FAN SECTION

- Axial fans with sickle-shaped blades and protective grilles, optimized for low sound levels.
 - Maximized airflow and efficiency due to:
 - aluminum blades with bionic design
 - air flow conveyor made of composite material
 - integrated diffuser with dynamic energy recovery system;
 - External rotor electric motor.
 - Integrated motor thermal protection - Insulation class F - THC 155°C.
 - Motor rotation speed control by 0-10Vdc proportional signal from indoor unit controller.
 - Protective grille on fan air supply.
 - Dynamic balancing on 2 planes.
 - VDE, UL, CCC, EAC, CE approvals.
 - IP54 protection.
 - Compliant with the current ErP directive and ErP 2020 ready.
- VERSION WITH AC ELECTRIC MOTORS - MEGR-MC-A series
- Rotation speed control by external electronics
- VERSION WITH EC ELECTRICAL MOTORS - MEGR-MC-E series
- Rotation speed control with built-in controller



CONDENSING COIL (Microchannel)

- All-aluminum microchannel condensing coil.
- No possibility of galvanic corrosion due to the use of Long Life Alloy 9153 aluminum.
- Compared with a conventional finned coil, the microchannel exchanger offers:
 - up to 40% reduction in pressure drop on the refrigerant side.
 - up to 30% reduction in air-side pressure drop.
 - 50% reduction in refrigerant content.
 - up to 45% increase in heat transfer efficiency.
- Fully recyclable coil at end of life.
- Battery is supplied with sealing charge.

CONDENSING COIL (Tube and Fins)

- Finned pack coil with copper tubes and high-efficiency aluminum fin, specifically developed to ensure high heat transfer coefficient and low pressure drop.
- Battery is supplied with sealing charge.





REFRIGERANT CIRCUIT

Condenser is supplied with seal charge.

- Service Schrader valve on refrigerant inlet piping. The valve can be used emptying the seal charge, making vacuum and refrigerant charge for operation.
- Soldered copper sections on gas inlet and liquid outlet manifolds.

Models with 4/6 fans:

- Copper manifolds already prepared for parallel connection of the two condensing coils supplied in a mounting kit.

QUADRO ELETTRICO

The electrical box is located inside the condenser structure; the side panel must be removed to access it. The electrical box is suitable for outdoor installation and complies with EN60204-1.

The electrical box includes:

- IP44 degree of protection - degree of protection of the electrical panel included in the machine structure and not referring to the panel alone.
- Main disconnect switch with door lock safety.
- Terminal block for electrical connections:
 - power supply - power supply is independent of the indoor unit.
 - 0-10Vdc signal for fan rotation speed control - to be connected to the indoor unit.
 - alarm signal of fans and, if present, FMC electronic board - to be connected to the indoor unit.

VERSION WITH AC ELECTRIC MOTORS - MEGR-A series.

- FMC electronic board for fan rotation speed control. In case of power supply failure and malfunction, the board sends digital alarm signal to indoor unit (refer to wiring diagrams)
- Fan power supply voltage regulation system managed by the FMC electronic board.

VERSION WITH ELECTRICAL EC MOTORS - MEGR-E series.

- Direct control of fan rotation speed by 0-10Vdc signal.

Models with 4/6 fans:

There are two switchboards each with the above equipment. The switchboards are already interconnected with each other but only one of them acts as the main switchboard. Power supply and control and alarm signals must be connected in the latter.



STANDARDS

STANDARDS FOR ELECTRIC PANEL AND MACHINE

EN 60204-1

2006/42/EC Machinery Directive

PED 97/23/EC

LVD 2006/95/EC

EMC 2014/30/EC:

- EN 61000-6-2:2005 "Electromagnetic compatibility – Immunity for industrial environments"
- EN 61000-6-3:2007 "Electromagnetic compatibility – Emission standard for residential, commercial and light industrial environments"

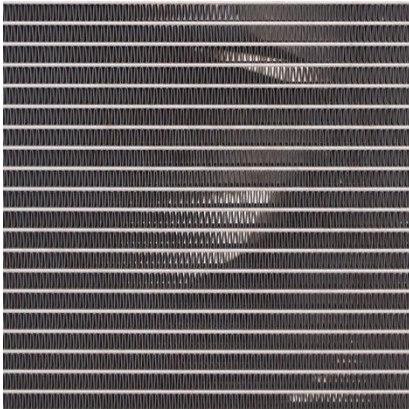
CORROSION RESISTANCE OF THE COIL



CLASSIFICATION OF INSTALLATION ENVIRONMENTS

For resistance against atmospheric agents, ISO 12944-2014 classifies the environments in different categories of corrosivity as shown in the following table:

CORROSIVITY CATEGORIES		OUTDOOR AREAS	INTERNAL ENVIRONMENT
C1	VERY LOW	--	Heated buildings with a clean atmosphere. (Offices, schools, shops, hotels)
C2	LOW	Atmosphere contaminated to a small extent, mainly rural regions.	Unheated buildings where condensation may occur. (Depots, sports hall)
C3	MEDIUM	Industrial and urban atmosphere with an average contamination level. Inshore areas of low salinity.	Production rooms with high humidity and some air pollution. (food processing plants, laundries, breweries, or dairies)
C4	HIGH	Industrial areas. Inshore areas of medium salinity.	chemical plants, swimming pools, and boat yards
C5 - I	VERY HIGH - INDUSTRIAL	Industrial areas of high humidity and aggressive atmosphere.	Buildings are areas with almost permanent condensation and with high pollution.
C5 - M	VERY HIGH - MARINE	Inshore areas and offshore areas of high salinity.	



SWAAT TEST ON CONDENSING COILS

Tests conducted on the condensing coils of the GR series according to the ASTM G85-A3 - Acidified synthetic seawater test - at 49°C with Ph included between 2,8 and 3,0.

- Long Life Alloy standard coil: **SWAAT test di 2000 ore**
- Long Life Alloy coil with E-coating protection: **SWAAT test di 4000 ore**

Types of application of condensing coils according to ISO 12944-2014:

CORROSIVITY CATEGORIES		CONDENSING COIL TYPE
C1	VERY LOW	Long Life Alloy coil
C2	LOW	Long Life Alloy coil
C3	MEDIUM	Long Life Alloy coil
C4	HIGH	Long Life Alloy coil + E-coating
C5 - I	VERY HIGH - INDUSTRIAL	Long Life Alloy coil + E-coating
C5 - M	VERY HIGH - MARINE	Long Life Alloy coil + E-coating

MICROCHANNEL COIL

TECHNICAL DATA MEGR-MC-A - 230/1/50

Fans with AC electric motors and STANDARD acoustic enclosure

MODEL		013	015	024	027	034	049
REFRIGERANT		R410A	R410A	R410A	R410A	R410A	R410A
POWER SUPPLY	V/ph/Hz	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50
ACOUSTIC VERSION		STD	STD	STD	STD	STD	STD
CAPACITY (1)	kW	12,9	14,4	23,0	25,7	32,0	47,0
AXIAL FANS "AC"	n.	1	1	1	1	1	2
Total air flow	m³/h	3910	4600	7098	8350	9550	15555
External static pressure	Pa	0	0	0	0	0	0
Total engaged power	kW	0,26	0,31	0,51	0,60	0,54	0,87
Total absorbed current (SA)	A	1,4	1,7	2,5	2,9	2,9	4,94
Maximum total engaged power (FLI)	kW	0,32	0,38	0,54	0,64	0,64	1,08
Maximum total absorbed current (FLA)	A	1,4	1,7	2,5	2,9	2,9	4,94
NET WEIGHT	kg	30	30	45	45	53	86

MODEL		055	067	082	110	134	164
REFRIGERANT		R410A	R410A	R410A	R410A	R410A	R410A
POWER SUPPLY	V/ph/Hz	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50
ACOUSTIC VERSION		STD	STD	STD	STD	STD	STD
CAPACITY (1)	kW	52,5	63,8	77,8	105,0	128,0	156,0
AXIAL FANS "AC"	n.	2	2	3	4	4	6
Total air flow	m³/h	18300	19000	25000	36600	38000	50000
External static pressure	Pa	0	0	0	0	0	0
Total engaged power	kW	1,02	0,99	1,55	2,04	1,98	3,10
Total absorbed current (SA)	A	5,8	5,8	8,7	11,6	11,6	17,4
Maximum total engaged power (FLI)	kW	1,28	1,28	1,92	2,56	2,56	3,84
Maximum total absorbed current (FLA)	A	5,8	5,8	8,7	11,6	11,6	17,4
NET WEIGHT	kg	86	100	120	177	208	248

1. Referred to condensing temperature at 50°C and ambient air temperature at 35°C.

The units highlighted in this publication contain <HFC R410A [GWP₁₀₀ 2088]> fluorinated greenhouse gas

ACOUSTIC DATA MEGR-MC-A - 230/1/50

Fans with AC electric motors and STANDARD acoustic enclosure

MODEL		013	015	024	027	034	049
REFRIGERANT		R410A	R410A	R410A	R410A	R410A	R410A
POWER SUPPLY	V/ph/Hz	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50
ACOUSTIC VERSION		STD	STD	STD	STD	STD	STD
Sound power level [Lw] ISO 9614-2	dB(A)	65	69	66	70	71	70
Average sound pressure level [Lpm] ISO 3744							
At 1 m	dB(A)	51	54	51	55	56	54
At 5 m	dB(A)	39	43	40	44	45	44
At 10 m	dB(A)	34	38	35	39	40	39

MODEL		055	067	082	110	134	164
REFRIGERANT		R410A	R410A	R410A	R410A	R410A	R410A
POWER SUPPLY	V/ph/Hz	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50
ACOUSTIC VERSION		STD	STD	STD	STD	STD	STD
Sound power level [Lw] ISO 9614-2	dB(A)	73	74	75	76	77	78
Average sound pressure level [Lpm] ISO 3744							
At 1 m	dB(A)	57	58	59	59	59	60

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At 5 m	dB(A)	47	48	49	50	50	51
At 10 m	dB(A)	42	42	43	44	45	46

SOUND SPECTER MEGR-MC-A - 230/1/50

Sound level spectrum at 1 meter

Model	013								
ACOUSTIC ENCLOSURE	STD								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	68,7	61,9	63	60,3	56,8	49,1	40,5	65
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	54,2	47,3	48,5	45,8	42,3	34,6	26	51

Sound level spectrum at 1 meter

Model	015								
ACOUSTIC ENCLOSURE	STD								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	71,7	68,7	64,4	64,5	61,8	54,4	47,3	69
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	57,2	54,2	49,9	50	47,3	39,9	32,8	54

Sound level spectrum at 1 meter

Model	024								
ACOUSTIC ENCLOSURE	STD								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	69,7	62,9	64	61,3	57,8	50,1	41,5	66
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	54,8	48	49,1	46,4	42,9	35,2	26,6	51

Sound level spectrum at 1 meter

Model	027								
ACOUSTIC ENCLOSURE	STD								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	72,7	69,7	65,4	65,5	62,8	55,4	48,3	70
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	57,8	54,8	50,5	50,6	47,9	40,5	33,4	55

Sound level spectrum at 1 meter

Model	034								
ACOUSTIC ENCLOSURE	STD								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	73,7	70,7	66,4	66,5	63,8	56,4	49,3	71
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	58,3	55,3	51	51,1	48,4	41	33,9	56

Sound level spectrum at 1 meter

Model	049								
ACOUSTIC ENCLOSURE	STD								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	73,7	66,9	68	65,3	61,8	54,1	45,5	70
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	57,7	50,9	52	49,4	45,8	38,1	29,5	54

TECHNICAL DATA

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Sound level spectrum at 1 meter

Model	055								
ACOUSTIC ENCLOSURE	STD								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	75,7	72,7	68,4	68,5	65,8	58,4	51,3	73
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	59,8	56,8	52,5	52,6	49,9	42,5	35,4	57

Sound level spectrum at 1 meter

Model	067								
ACOUSTIC ENCLOSURE	STD								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	76,7	73,7	69,4	69,5	66,8	59,4	52,3	74
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	60,4	57,3	53,1	53,2	50,5	43,1	36	58

Sound level spectrum at 1 meter

Model	082								
ACOUSTIC ENCLOSURE	STD								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	77,7	74,7	70,4	70,5	67,8	60,4	53,3	75
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	61,4	58,3	54,1	54,2	51,5	44,1	37	59

Sound level spectrum at 1 meter

Model	110								
ACOUSTIC ENCLOSURE	STD								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	78,7	75,7	71,4	71,5	68,8	61,4	54,3	76
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	61,5	58,5	54,2	54,3	51,6	44,2	37,1	59

Sound level spectrum at 1 meter

Model	134								
ACOUSTIC ENCLOSURE	STD								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	79,7	76,7	72,4	72,5	69,8	62,4	55,3	77
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	62,1	59,1	54,8	54,9	52,2	44,8	37,7	59

Sound level spectrum at 1 meter

Model	164								
ACOUSTIC ENCLOSURE	STD								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	80,7	77,7	73,4	73,5	70,8	63,4	56,3	78
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	63,1	60,1	55,8	55,9	53,2	45,8	38,7	60

TECHNICAL DATA

MEGR-MC

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MICROCHANNEL EXCHANGER

TECHNICAL DATA MEGR-MC-SL-A - 230/1/50

Fans with AC electric motors and LOW-NOISE acoustic enclosure

MODEL		013	015	024	027	034	049
REFRIGERANT		R410A	R410A	R410A	R410A	R410A	R410A
POWER SUPPLY	V/ph/Hz	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50
ACOUSTIC VERSION		SL	SL	SL	SL	SL	SL
CAPACITY (1)	kW	9,41	11,2	16,7	20,0	24,5	34,2
AXIAL FANS "AC"	n.	1	1	1	1	1	2
Total air flow	m³/h	2530	3220	4593	5845	6685	10065
External static pressure	Pa	0	0	0	0	0	0
Total engaged power	kW	0,17	0,22	0,33	0,42	0,38	0,56
Total absorbed current (SA)	A	0,9	1,2	1,6	2,03	2,03	3,2
Maximum total engaged power (FLI)	kW	0,21	0,27	0,35	0,45	0,45	0,70
Maximum total absorbed current (FLA)	A	0,9	1,2	1,6	2,03	2,03	3,2
NET WEIGHT	kg	31	31	46	46	55	88

MODEL		055	067	082	110	134	164
REFRIGERANT		R410A	R410A	R410A	R410A	R410A	R410A
POWER SUPPLY	V/ph/Hz	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50
ACOUSTIC VERSION		SL	SL	SL	SL	SL	SL
CAPACITY (1)	kW	40,9	48,6	60,0	81,8	97,1	120,1
AXIAL FANS "AC"	n.	2	2	3	4	4	6
Total air flow	m³/h	12810	13300	17500	25620	26600	35000
External static pressure	Pa	0	0	0	0	0	0
Total engaged power	kW	0,71	0,69	1,10	1,43	1,40	2,17
Total absorbed current (SA)	A	4,06	4,06	6,09	8,12	8,12	12,2
Maximum total engaged power (FLI)	kW	0,9	0,9	1,34	1,79	1,79	2,69
Maximum total absorbed current (FLA)	A	4,06	4,06	6,09	8,12	8,12	12,2
NET WEIGHT	kg	88	103	123	182	214	254

1. Referred to condensing temperature at 50°C and ambient air temperature at 35°C.

The units highlighted in this publication contain <HFC R410A [GWP₁₀₀ 2088]> fluorinated greenhouse gas

ACOUSTIC DATA MEGR-MC-SL-A - 230/1/50

Fans with AC electric motors and LOW-NOISE acoustic enclosure

MODEL		013	015	024	027	034	049
REFRIGERANT		R410A	R410A	R410A	R410A	R410A	R410A
POWER SUPPLY	V/ph/Hz	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50
ACOUSTIC VERSION		SL	SL	SL	SL	SL	SL
Sound power level [Lw] ISO 9614-2	dB(A)	56	60	59	62	63	62
Average sound pressure level [Lpm] ISO 3744							
At 1 m	dB(A)	41	45	44	47	48	46
At 5 m	dB(A)	30	34	33	36	37	36
At 10 m	dB(A)	25	29	28	31	32	31

MODEL		055	067	082	110	134	164
REFRIGERANT		R410A	R410A	R410A	R410A	R410A	R410A
POWER SUPPLY	V/ph/Hz	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50
ACOUSTIC VERSION		SL	SL	SL	SL	SL	SL
Sound power level [Lw] ISO 9614-2	dB(A)	66	66	67	69	69	70
Average sound pressure level [Lpm] ISO 3744							
At 1 m	dB(A)	50	50	51	52	51	52
At 5 m	dB(A)	40	40	41	43	42	43
At 10 m	dB(A)	35	34	35	37	37	38

SOUND SPECTER MEGR-MC-SL-A - 230/1/50

Sound level spectrum at 1 meter

Model	013								
ACOUSTIC ENCLOSURE	SL								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	64,1	58	54,5	49,5	42,3	33,5	24,2	56
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	49,6	43,5	39,9	34,9	27,8	19	9,7	41

Sound level spectrum at 1 meter

Model	015								
ACOUSTIC ENCLOSURE	SL								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	67,4	58,5	59,2	54,2	48,5	41,4	30,1	60
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	52,8	44	44,6	39,6	34	26,8	15,6	45

Sound level spectrum at 1 meter

Model	024								
ACOUSTIC ENCLOSURE	SL								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	67,1	61	57,5	52,5	45,3	36,5	27,2	59
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	52,2	46,1	42,6	37,6	30,4	21,6	12,3	44

Sound level spectrum at 1 meter

Model	027								
ACOUSTIC ENCLOSURE	SL								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	69,4	60,5	61,2	56,2	50,5	43,4	32,1	63
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	54,5	45,6	46,3	41,3	35,6	28,5	17,2	48

Sound level spectrum at 1 meter

Model	034								
ACOUSTIC ENCLOSURE	SL								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	70,4	61,5	62,2	57,2	51,5	44,4	33,1	63
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	55	46,1	46,8	41,8	36,1	29	17,7	48

Sound level spectrum at 1 meter

Model	049								
ACOUSTIC ENCLOSURE	SL								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	70,1	64	60,5	55,5	48,3	39,5	30,2	62
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	54,1	48,1	44,5	39,5	32,4	23,5	14,2	46

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Sound level spectrum at 1 meter

Model	055								
ACOUSTIC ENCLOSURE	SL								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	73,4	64,5	65,2	60,2	54,5	47,4	36,1	66
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	57,4	48,6	49,2	44,2	38,6	31,4	20,1	50

Sound level spectrum at 1 meter

Model	067								
ACOUSTIC ENCLOSURE	SL								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	73,4	64,5	65,2	60,2	54,5	47,4	36,1	66
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	57	48,2	48,8	43,8	38,2	31	19,7	50

Sound level spectrum at 1 meter

Model	082								
ACOUSTIC ENCLOSURE	SL								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	74,4	65,5	66,2	61,2	55,5	48,4	37,1	67
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	58	49,2	49,8	44,8	39,2	32	20,7	51

Sound level spectrum at 1 meter

Model	110								
ACOUSTIC ENCLOSURE	SL								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	76,4	67,5	68,2	63,2	57,5	50,4	39,1	69
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	59,1	50,3	51	45,9	40,3	33,1	21,9	52

Sound level spectrum at 1 meter

Model	134								
ACOUSTIC ENCLOSURE	SL								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	76,4	67,5	68,2	63,2	57,5	50,4	39,1	69
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	58,8	49,9	50,6	45,6	39,9	32,8	21,5	51

Sound level spectrum at 1 meter

Model	164								
ACOUSTIC ENCLOSURE	SL								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	77,4	68,5	69,2	64,2	58,5	51,4	40,1	70
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	59,8	50,9	51,6	46,6	40,9	33,8	22,5	52

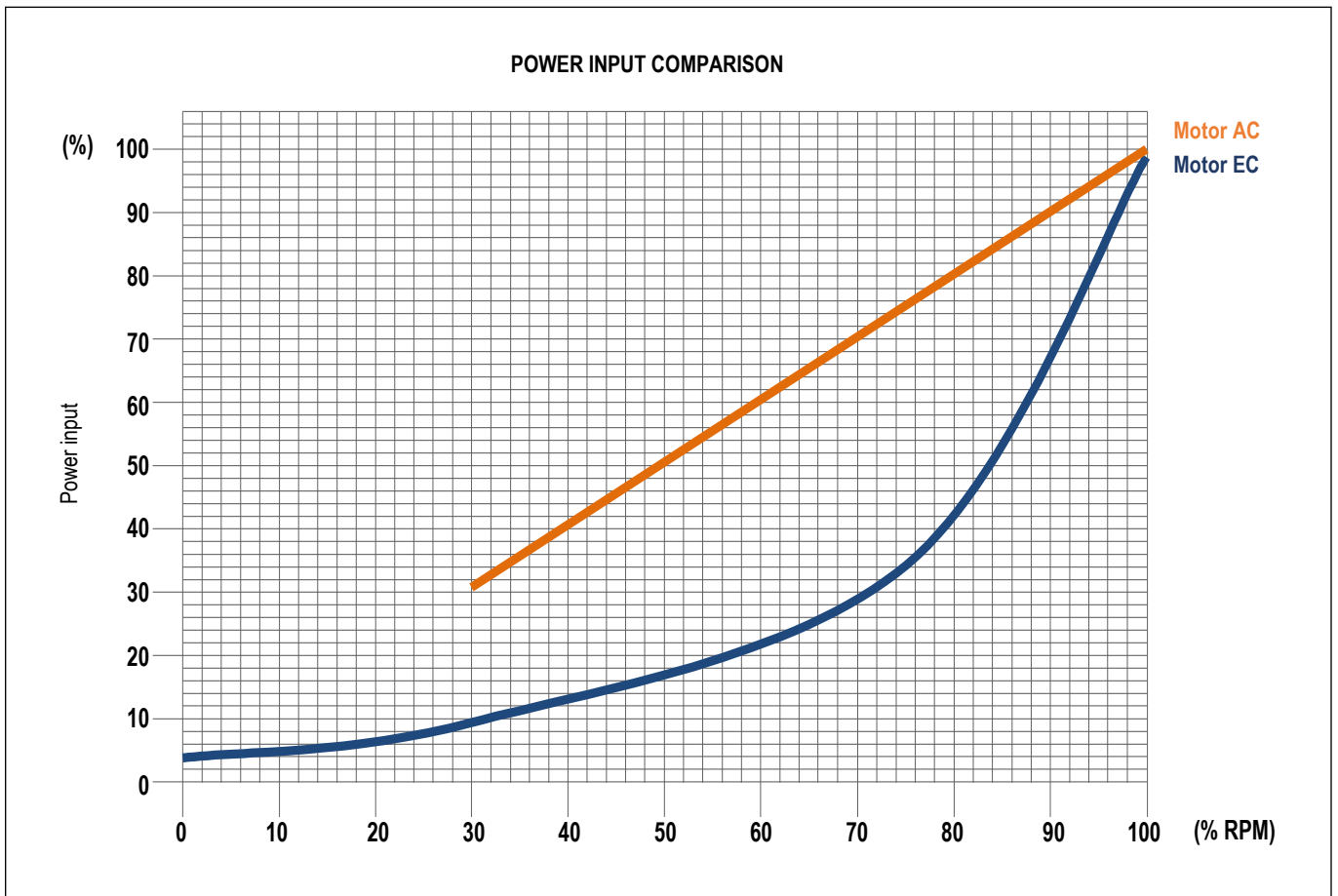
AXIAL FAN WITH EC ELECTRIC MOTOR



The "EC" axial fans are equipped with a brushless type synchronous motor with integrated electronic commutated system. The motor rotation control is obtained with the EC system (Electronic Commutation) that manages the motor according to the 0÷10V proportional signal coming from the microprocessor control.

- Characteristics of "EC" motors:
- No electromagnetic noise
 - Efficiency 83÷86%
 - Minimum power input

Characteristics comparison between an "AC" asynchronous electric motor with phase-cut control (voltage controller) and "EC" brushless type synchronous motor.



WARNING
The graph is referred to working condition with null available static pressure (0 Pa).

MICROCHANNEL EXCHANGER

TECHNICAL DATA MEGR-MC-E - 230/1/50 - 400/3/50

Fans with EC electric motors and STANDARD acoustic enclosure

MODEL		013	015	024	027	034	049
REFRIGERANT		R410A	R410A	R410A	R410A	R410A	R410A
POWER SUPPLY	V/ph/Hz	230/1/50	230/1/50	400/3/50	400/3/50	400/3/50	400/3/50
ACOUSTIC VERSION		STD	STD	STD	STD	STD	STD
CAPACITY (1)	kW	11,4	13,8	23,0	25,7	32,0	47,0
AXIAL FANS "AC"	n.	1	1	1	1	1	2
Total air flow	m ³ /h	3300	4300	7098	8350	9550	15555
External static pressure	Pa	0	0	0	0	0	0
Total engaged power	kW	0,08	0,18	0,23	0,38	0,34	0,45
Total absorbed current (SA)	A	0,91	0,91	1,92	1,92	1,92	3,84
Maximum total engaged power (FLI)	kW	0,21	0,21	1,0	1,0	1,0	2,0
Maximum total absorbed current (FLA)	A	0,91	0,91	1,92	1,92	1,92	3,84
NET WEIGHT	kg	28	28	43	43	50	82

MODEL		055	067	082	110	134	164
REFRIGERANT		R410A	R410A	R410A	R410A	R410A	R410A
POWER SUPPLY	V/ph/Hz	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50
ACOUSTIC VERSION		STD	STD	STD	STD	STD	STD
CAPACITY (1)	kW	52,5	63,8	77,8	105,0	128,0	156,0
AXIAL FANS "AC"	n.	2	2	3	4	4	6
Total air flow	m ³ /h	18300	19000	25000	36600	38000	50000
External static pressure	Pa	0	0	0	0	0	0
Total engaged power	kW	0,65	0,65	0,98	1,3	1,3	1,95
Total absorbed current (SA)	A	3,84	3,84	5,76	7,68	7,68	11,5
Maximum total engaged power (FLI)	kW	2,0	2,0	3,0	4,0	4,0	6,0
Maximum total absorbed current (FLA)	A	3,84	3,84	5,76	7,68	7,68	11,5
NET WEIGHT	kg	82	96	114	169	200	237

1. Referred to condensing temperature at 50°C and ambient air temperature at 35°C.

The units highlighted in this publication contain <HFC R410A [GWP₁₀₀ 2088]> fluorinated greenhouse gas

ACOUSTIC DATA MEGR-MC-E - 230/1/50 - 400/3/50

Ventilatori con motori elettrici EC e allestimento acustico STANDARD

MODEL		013	015	024	027	034	049
REFRIGERANT		R410A	R410A	R410A	R410A	R410A	R410A
POWER SUPPLY	V/ph/Hz	230/1/50	230/1/50	400/3/50	400/3/50	400/3/50	400/3/50
ACOUSTIC VERSION		STD	STD	STD	STD	STD	STD
Sound power level [Lw] ISO 9614-2	dB(A)	58	64	66	70	71	70
Average sound pressure level [Lpm] ISO 3744							
At 1 m	dB(A)	43	49	51	55	56	54
At 5 m	dB(A)	32	38	40	44	45	44
At 10 m	dB(A)	27	33	35	39	40	39

MODEL		055	067	082	110	134	164
REFRIGERANT		R410A	R410A	R410A	R410A	R410A	R410A
POWER SUPPLY	V/ph/Hz	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50
ACOUSTIC VERSION		STD	STD	STD	STD	STD	STD
Sound power level [Lw] ISO 9614-2	dB(A)	73	74	75	76	77	78
Average sound pressure level [Lpm] ISO 3744							
At 1 m	dB(A)	57	58	59	59	59	60
At 5 m	dB(A)	47	48	49	50	50	51
At 10 m	dB(A)	42	42	43	44	45	46

SOUND SPECTER MEGR-MC-E - 230/1/50 - 400/3/50

Sound level spectrum at 1 meter

Model	013								
ACOUSTIC ENCLOSURE	STD								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	61,7	54,9	56	53,3	49,8	42,1	33,5	58
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	47,2	40,3	41,5	38,8	35,3	27,6	19	43

Sound level spectrum at 1 meter

Model	015								
ACOUSTIC ENCLOSURE	STD								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	66,7	63,7	59,4	59,5	56,8	49,4	42,3	64
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	52,2	49,2	44,9	45	42,3	34,9	27,8	49

Sound level spectrum at 1 meter

Model	024								
ACOUSTIC ENCLOSURE	STD								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	69,7	62,9	64	61,3	57,8	50,1	41,5	66
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	54,8	48	49,1	46,4	42,9	35,2	26,6	51

Sound level spectrum at 1 meter

Model	027								
ACOUSTIC ENCLOSURE	STD								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	72,7	69,7	65,4	65,5	62,8	55,4	48,3	70
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	57,8	54,8	50,5	50,6	47,9	40,5	33,4	55

Sound level spectrum at 1 meter

Model	034								
ACOUSTIC ENCLOSURE	STD								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	73,7	70,7	66,4	66,5	63,8	56,4	49,3	71
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	58,3	55,3	51	51,1	48,4	41	33,9	56

Sound level spectrum at 1 meter

Model	049								
ACOUSTIC ENCLOSURE	STD								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	73,7	66,9	68	65,3	61,8	54,1	45,5	70
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	57,7	66,9	68	65,3	61,8	54,1	45,5	54

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Sound level spectrum at 1 meter

Model	055								
ACOUSTIC ENCLOSURE	STD								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	75,7	72,7	68,4	68,5	65,8	58,4	51,3	73
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	59,8	56,8	52,5	52,6	49,9	42,5	35,4	57

Sound level spectrum at 1 meter

Model	067								
ACOUSTIC ENCLOSURE	STD								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	76,7	73,7	69,4	69,5	66,8	59,4	52,3	74
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	60,4	57,3	53,1	53,2	50,5	43,1	36	58

Sound level spectrum at 1 meter

Model	082								
ACOUSTIC ENCLOSURE	STD								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	77,7	74,7	70,4	70,5	67,8	60,4	53,3	75
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	61,4	58,3	54,1	54,2	51,5	44,1	37	59

Sound level spectrum at 1 meter

Model	110								
ACOUSTIC ENCLOSURE	STD								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	78,7	75,7	71,4	71,5	68,8	61,4	54,3	76
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	61,5	58,5	54,2	54,3	51,6	44,2	37,1	59

Sound level spectrum at 1 meter

Model	134								
ACOUSTIC ENCLOSURE	STD								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	79,7	76,7	72,4	72,5	69,8	62,4	55,3	77
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	62,1	59,1	54,8	54,9	52,2	44,8	37,7	59

Sound level spectrum at 1 meter

Model	164								
ACOUSTIC ENCLOSURE	STD								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	80,7	77,7	73,4	73,5	70,8	63,4	56,3	78
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	63,1	60,1	55,8	55,9	53,2	45,8	38,7	60

MICROCHANNEL COIL

TECHNICAL DATA MEGR-MC-SL-E - 230/1/50 - 400/3/50

Fans with EC electric motors and LOW-NOISE acoustic enclosure

MODEL		013	015	024	027	034	049
REFRIGERANT		R410A	R410A	R410A	R410A	R410A	R410A
POWER SUPPLY	V/ph/Hz	230/1/50	230/1/50	400/3/50	400/3/50	400/3/50	400/3/50
ACOUSTIC VERSION		SL	SL	SL	SL	SL	SL
CAPACITY (1)	kW	8,3	10,7	16,7	20,0	24,5	34,2
AXIAL FANS "AC"	n.	1	1	1	1	1	2
Total air flow	m³/h	2150	3010	4593	5845	6685	10065
External static pressure	Pa	0	0	0	0	0	0
Total engaged power	kW	0,02	0,06	0,06	0,13	0,12	0,12
Total absorbed current (SA)	A	0,91	0,91	1,92	1,92	1,92	3,84
Maximum total engaged power (FLI)	kW	0,21	0,21	1,0	1,0	1,0	2,0
Maximum total absorbed current (FLA)	A	0,91	0,91	1,92	1,92	1,92	3,84
NET WEIGHT	kg	29	29	44	44	52	84

MODEL		055	067	082	110	134	164
REFRIGERANT		R410A	R410A	R410A	R410A	R410A	R410A
POWER SUPPLY	V/ph/Hz	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50
ACOUSTIC VERSION		SL	SL	SL	SL	SL	SL
CAPACITY (1)	kW	40,9	48,6	60,0	81,8	97,1	120,0
AXIAL FANS "AC"	n.	2	2	3	4	4	6
Total air flow	m³/h	12810	13300	17500	25620	26600	35000
External static pressure	Pa	0	0	0	0	0	0
Total engaged power	kW	0,22	0,22	0,33	0,45	0,44	0,67
Total absorbed current (SA)	A	3,84	3,84	5,76	7,68	7,68	11,50
Maximum total engaged power (FLI)	kW	2,0	2,0	3,0	4,0	4,0	6,0
Maximum total absorbed current (FLA)	A	3,84	3,84	5,76	7,68	7,68	11,50
NET WEIGHT	kg	84	99	117	174	206	243

1. Referred to condensing temperature at 50°C and ambient air temperature at 35°C.
The units highlighted in this publication contain <HFC R410A [GWP₁₀₀ 2088]> fluorinated greenhouse gas

ACOUSTIC DATA MEGR-MC-SL-E - 230/1/50 - 400/3/50

Fans with EC electric motors and LOW-NOISE acoustic enclosure

MODEL		013	015	024	027	034	049
REFRIGERANT		R410A	R410A	R410A	R410A	R410A	R410A
POWER SUPPLY	V/ph/Hz	230/1/50	230/1/50	400/3/50	400/3/50	400/3/50	400/3/50
ACOUSTIC VERSION		SL	SL	SL	SL	SL	SL
Sound power level [Lw] ISO 9614-2	dB(A)	51	57	59	62	63	62
Average sound pressure level [Lpm] ISO 3744							
At 1 m	dB(A)	36	42	44	47	48	46
At 5 m	dB(A)	25	31	33	36	37	36
At 10 m	dB(A)	20	26	28	31	32	31

MODEL		055	067	082	110	134	164
REFRIGERANT		R410A	R410A	R410A	R410A	R410A	R410A
POWER SUPPLY	V/ph/Hz	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50
ACOUSTIC VERSION		SL	SL	SL	SL	SL	SL
Sound power level [Lw] ISO 9614-2	dB(A)	66	66	67	69	69	70
Average sound pressure level [Lpm] ISO 3744							
At 1 m	dB(A)	50	50	51	52	51	52
At 5 m	dB(A)	40	40	41	43	42	43
At 10 m	dB(A)	35	34	35	37	37	38

SOUND SPECTER MEGR-MC-SL-E - 230/1/50 - 400/3/50

Sound level spectrum at 1 meter

Model	013								
ACOUSTIC ENCLOSURE	SL								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	59,1	53	49,5	44,5	37,3	28,5	19,2	51
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	44,6	38,5	34,9	29,9	22,8	14	4,7	36

Sound level spectrum at 1 meter

Model	015								
ACOUSTIC ENCLOSURE	SL								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	64,4	55,5	56,2	51,2	45,5	38,4	27,1	57
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	49,8	41	41,6	36,6	31	23,8	12,6	42

Sound level spectrum at 1 meter

Model	024								
ACOUSTIC ENCLOSURE	SL								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	67,1	61	57,5	52,5	45,3	36,5	27,2	59
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	52,2	46,1	42,6	37,6	30,4	21,6	12,3	44

Sound level spectrum at 1 meter

Model	027								
ACOUSTIC ENCLOSURE	SL								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	69,4	60,5	61,2	56,2	50,5	43,4	32,1	62
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	54,5	45,6	46,3	41,3	35,6	28,5	17,2	47

Sound level spectrum at 1 meter

Model	034								
ACOUSTIC ENCLOSURE	SL								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	70,4	61,5	62,2	57,2	51,5	44,4	33,1	63
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	55	46,1	46,8	41,8	36,1	29	17,7	48

Sound level spectrum at 1 meter

Model	049								
ACOUSTIC ENCLOSURE	SL								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	70,1	64	60,5	55,5	48,3	39,5	30,2	62
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	54,1	48,1	44,5	39,5	32,4	23,5	14,2	46

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Sound level spectrum at 1 meter

Model	055								
ACOUSTIC ENCLOSURE	SL								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	73,4	64,5	65,2	60,2	54,5	47,4	36,1	66
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	57,4	48,6	49,2	44,2	38,6	31,4	20,1	50

Sound level spectrum at 1 meter

Model	067								
ACOUSTIC ENCLOSURE	SL								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	73,4	64,5	65,2	60,2	54,5	47,4	36,1	66
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	57	48,2	48,8	43,8	38,2	31	19,7	50

Sound level spectrum at 1 meter

Model	082								
ACOUSTIC ENCLOSURE	SL								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	74,4	65,5	66,2	61,2	55,5	48,4	37,1	67
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	58	49,2	49,8	44,8	39,2	32	20,7	51

Sound level spectrum at 1 meter

Model	110								
ACOUSTIC ENCLOSURE	SL								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	76,4	67,5	68,2	63,2	57,5	50,4	39,1	69
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	59,1	50,3	51	45,9	40,3	33,1	21,9	52

Sound level spectrum at 1 meter

Model	134								
ACOUSTIC ENCLOSURE	SL								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	76,4	67,5	68,2	63,2	57,5	50,4	39,1	69
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	58,8	49,9	50,6	45,6	39,9	32,8	21,5	51

Sound level spectrum at 1 meter

Model	164								
ACOUSTIC ENCLOSURE	SL								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	77,4	68,5	69,2	64,2	58,5	51,4	40,1	70
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	59,8	50,9	51,6	46,6	40,9	33,8	22,5	52

MICROCHANNEL COIL

TECHNICAL DATA MEGR-MC-E - 220/1/60 - 380/3/60

Fans with EC electric motors and STANDARD acoustic enclosure

MODEL		013	015	024	027	034	049
REFRIGERANT		R410A	R410A	R410A	R410A	R410A	R410A
POWER SUPPLY	V/ph/Hz	220/1/60	220/1/60	380/3/60	380/3/60	380/3/60	380/3/60
ACOUSTIC VERSION		STD	STD	STD	STD	STD	STD
CAPACITY (1)	kW	11,4	13,8	23,0	25,7	32,0	47,0
AXIAL FANS "AC"	n.	1	1	1	1	1	2
Total air flow	m ³ /h	3300	4300	7098	8350	9550	15555
External static pressure	Pa	0	0	0	0	0	0
Total engaged power	kW	0,08	0,18	0,23	0,38	0,34	0,45
Total absorbed current (SA)	A	0,95	0,95	2	2	2	4
Maximum total engaged power (FLI)	kW	0,21	0,21	1	1	1	2
Maximum total absorbed current (FLA)	A	0,95	0,95	2	2	2	4
NET WEIGHT	kg	28	28	43	43	50	82

MODEL		055	067	082	110	134	164
REFRIGERANT		R410A	R410A	R410A	R410A	R410A	R410A
POWER SUPPLY	V/ph/Hz	380/3/60	380/3/60	380/3/60	380/3/60	380/3/60	380/3/60
ACOUSTIC VERSION		STD	STD	STD	STD	STD	STD
CAPACITY (1)	kW	52,5	63,8	77,8	105,0	128,0	156,0
AXIAL FANS "AC"	n.	2	2	3	4	4	6
Total air flow	m ³ /h	18300	19000	25000	36600	38000	50000
External static pressure	Pa	0	0	0	0	0	0
Total engaged power	kW	0,65	0,65	0,98	1,3	1,3	1,95
Total absorbed current (SA)	A	4	4	6	8	8	12
Maximum total engaged power (FLI)	kW	2	2	3	4	4	6
Maximum total absorbed current (FLA)	A	4	4	6	8	8	12
NET WEIGHT	kg	82	96	114	169	200	237

1. Referred to condensing temperature at 50°C and ambient air temperature at 35°C.

The units highlighted in this publication contain <HFC R410A [GWP₁₀₀ 2088]> fluorinated greenhouse gas

ACOUSTIC DATA MEGR-MC-E - 220/1/60 - 380/3/60

Fans with EC electric motors and STANDARD acoustic enclosure

MODEL		013	015	024	027	034	049
REFRIGERANT		R410A	R410A	R410A	R410A	R410A	R410A
POWER SUPPLY	V/ph/Hz	220/1/60	220/1/60	380/3/60	380/3/60	380/3/60	380/3/60
ACOUSTIC VERSION		STD	STD	STD	STD	STD	STD
Sound power level [Lw] ISO 9614-2	dB(A)	58	64	66	70	71	70
Average sound pressure level [Lpm] ISO 3744							
At 1 m	dB(A)	43	49	51	55	56	54
At 5 m	dB(A)	32	38	40	44	45	44
At 10 m	dB(A)	27	33	35	39	40	39

MODEL		055	067	082	110	134	164
REFRIGERANT		R410A	R410A	R410A	R410A	R410A	R410A
POWER SUPPLY	V/ph/Hz	380/3/60	380/3/60	380/3/60	380/3/60	380/3/60	380/3/60
ACOUSTIC VERSION		STD	STD	STD	STD	STD	STD
Sound power level [Lw] ISO 9614-2	dB(A)	73	74	75	76	77	78
Average sound pressure level [Lpm] ISO 3744							
At 1 m	dB(A)	57	58	59	59	59	60
At 5 m	dB(A)	47	48	49	50	50	51
At 10 m	dB(A)	42	42	43	44	45	46

SOUND SPECTER MEGR-MC-E - 220/1/60 - 380/3/60

Sound level spectrum at 1 meter

Model	013								
ACOUSTIC ENCLOSURE	STD								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	61,7	54,9	56	53,3	49,8	42,1	33,5	58
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	47,2	40,3	41,5	38,8	35,3	27,6	19	43

Sound level spectrum at 1 meter

Model	015								
ACOUSTIC ENCLOSURE	STD								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	66,7	63,7	59,4	59,5	56,8	49,4	42,3	64
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	52,2	49,2	44,9	45	42,3	34,9	27,8	49

Sound level spectrum at 1 meter

Model	024								
ACOUSTIC ENCLOSURE	STD								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	69,7	62,9	64	61,3	57,8	50,1	41,5	66
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	54,8	48	49,1	46,4	42,9	35,2	26,6	51

Sound level spectrum at 1 meter

Model	027								
ACOUSTIC ENCLOSURE	STD								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	72,7	69,7	65,4	65,5	62,8	55,4	48,3	70
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	57,8	54,8	50,5	50,6	47,9	40,5	33,4	55

Sound level spectrum at 1 meter

Model	034								
ACOUSTIC ENCLOSURE	STD								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	73,7	70,7	66,4	66,5	63,8	56,4	49,3	71
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	58,3	55,3	51	51,1	48,4	41	33,9	56

Sound level spectrum at 1 meter

Model	049								
ACOUSTIC ENCLOSURE	STD								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	73,7	66,9	68	65,3	61,8	54,1	45,5	70
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	57,7	66,9	68	65,3	61,8	54,1	45,5	54

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Sound level spectrum at 1 meter

Model	055								
ACOUSTIC ENCLOSURE	STD								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	75,7	72,7	68,4	68,5	65,8	58,4	51,3	73
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	59,8	56,8	52,5	52,6	49,9	42,5	35,4	57

Sound level spectrum at 1 meter

Model	067								
ACOUSTIC ENCLOSURE	STD								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	76,7	73,7	69,4	69,5	66,8	59,4	52,3	74
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	60,4	57,3	53,1	53,2	50,5	43,1	36	58

Sound level spectrum at 1 meter

Model	082								
ACOUSTIC ENCLOSURE	STD								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	77,7	74,7	70,4	70,5	67,8	60,4	53,3	75
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	61,4	58,3	54,1	54,2	51,5	44,1	37	59

Sound level spectrum at 1 meter

Model	110								
ACOUSTIC ENCLOSURE	STD								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	78,7	75,7	71,4	71,5	68,8	61,4	54,3	76
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	61,5	58,5	54,2	54,3	51,6	44,2	37,1	59

Sound level spectrum at 1 meter

Model	134								
ACOUSTIC ENCLOSURE	STD								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	79,7	76,7	72,4	72,5	69,8	62,4	55,3	77
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	62,1	59,1	54,8	54,9	52,2	44,8	37,7	59

Sound level spectrum at 1 meter

Model	164								
ACOUSTIC ENCLOSURE	STD								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	80,7	77,7	73,4	73,5	70,8	63,4	56,3	78
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	63,1	60,1	55,8	55,9	53,2	45,8	38,7	60

MICROCHANNEL COIL

TECHNICAL DATA MEGR-MC-SL-E - 220/1/60 - 380/3/60

Fans with EC electric motors and LOW-NOISE acoustic enclosure

MODEL		013	015	024	027	034	049
REFRIGERANT		R410A	R410A	R410A	R410A	R410A	R410A
POWER SUPPLY	V/ph/Hz	220/1/60	220/1/60	380/3/60	380/3/60	380/3/60	380/3/60
ACOUSTIC VERSION		SL	SL	SL	SL	SL	SL
CAPACITY (1)	kW	8,3	10,7	16,7	20,0	24,5	34,2
AXIAL FANS "AC"	n.	1	1	1	1	1	2
Total air flow	m ³ /h	2150	3010	4593	5845	6685	10065
External static pressure	Pa	0	0	0	0	0	0
Total engaged power	kW	0,02	0,06	0,06	0,13	0,12	0,12
Total absorbed current (SA)	A	0,95	0,95	2	2	2	4
Maximum total engaged power (FLI)	kW	0,21	0,21	1	1	1	2
Maximum total absorbed current (FLA)	A	0,95	0,95	2	2	2	4
NET WEIGHT	kg	29	29	44	44	52	84

MODEL		055	067	082	110	134	164
REFRIGERANT		R410A	R410A	R410A	R410A	R410A	R410A
POWER SUPPLY	V/ph/Hz	380/3/60	380/3/60	380/3/60	380/3/60	380/3/60	380/3/60
ACOUSTIC VERSION		SL	SL	SL	SL	SL	SL
CAPACITY (1)	kW	40,9	48,6	60,0	81,8	97,1	120,0
AXIAL FANS "AC"	n.	2	2	3	4	4	6
Total air flow	m ³ /h	12810	13300	17500	25620	26600	35000
External static pressure	Pa	0	0	0	0	0	0
Total engaged power	kW	0,22	0,22	0,33	0,45	0,44	0,67
Total absorbed current (SA)	A	4	4	6	8	8	12
Maximum total engaged power (FLI)	kW	2	2	3	4	4	6
Maximum total absorbed current (FLA)	A	4	4	6	8	8	12
NET WEIGHT	kg	84	99	117	174	206	243

1. Referred to condensing temperature at 50°C and ambient air temperature at 35°C.
The units highlighted in this publication contain <HFC R410A [GWP₁₀₀ 2088]> fluorinated greenhouse gas

ACOUSTIC DATA MEGR-MC-SL-E - 220/1/60 - 380/3/60

Fans with EC electric motors and LOW-NOISE acoustic enclosure

MODEL		013	015	024	027	034	049
REFRIGERANT		R410A	R410A	R410A	R410A	R410A	R410A
POWER SUPPLY	V/ph/Hz	220/1/60	220/1/60	380/3/60	380/3/60	380/3/60	380/3/60
ACOUSTIC VERSION		SL	SL	SL	SL	SL	SL
Sound power level [Lw] ISO 9614-2	dB(A)	51	57	59	62	63	62
Average sound pressure level [Lpm] ISO 3744							
At 1 m	dB(A)	36	42	44	47	48	46
At 5 m	dB(A)	25	31	33	36	37	36
At 10 m	dB(A)	20	26	28	31	32	31

MODEL		055	067	082	110	134	164
REFRIGERANT		R410A	R410A	R410A	R410A	R410A	R410A
POWER SUPPLY	V/ph/Hz	380/3/60	380/3/60	380/3/60	380/3/60	380/3/60	380/3/60
ACOUSTIC VERSION		SL	SL	SL	SL	SL	SL
Sound power level [Lw] ISO 9614-2	dB(A)	66	66	67	69	69	70
Average sound pressure level [Lpm] ISO 3744							
At 1 m	dB(A)	50	50	51	52	51	52
At 5 m	dB(A)	40	40	41	43	42	43
At 10 m	dB(A)	35	34	35	37	37	38

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SOUND SPECTER MEGR-MC-SL-E - 220/1/60 - 380/3/60

Sound level spectrum at 1 meter

Model	013								
ACOUSTIC ENCLOSURE	SL								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	59,1	53	49,5	44,5	37,3	28,5	19,2	51
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	44,6	38,5	34,9	29,9	22,8	14	4,7	36

Sound level spectrum at 1 meter

Model	015								
ACOUSTIC ENCLOSURE	SL								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	64,4	55,5	56,2	51,2	45,5	38,4	27,1	57
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	49,8	41	41,6	36,6	31	23,8	12,6	42

Sound level spectrum at 1 meter

Model	024								
ACOUSTIC ENCLOSURE	SL								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	67,1	61	57,5	52,5	45,3	36,5	27,2	59
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	52,2	46,1	42,6	37,6	30,4	21,6	12,3	44

Sound level spectrum at 1 meter

Model	027								
ACOUSTIC ENCLOSURE	SL								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	69,4	60,5	61,2	56,2	50,5	43,4	32,1	62
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	54,5	45,6	46,3	41,3	35,6	28,5	17,2	47

Sound level spectrum at 1 meter

Model	034								
ACOUSTIC ENCLOSURE	SL								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	70,4	61,5	62,2	57,2	51,5	44,4	33,1	63
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	55	46,1	46,8	41,8	36,1	29	17,7	48

Sound level spectrum at 1 meter

Model	049								
ACOUSTIC ENCLOSURE	SL								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	70,1	64	60,5	55,5	48,3	39,5	30,2	62
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	54,1	48,1	44,5	39,5	32,4	23,5	14,2	46

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Sound level spectrum at 1 meter

Model	055								
ACOUSTIC ENCLOSURE	SL								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	73,4	64,5	65,2	60,2	54,5	47,4	36,1	66
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	57,4	48,6	49,2	44,2	38,6	31,4	20,1	50

Sound level spectrum at 1 meter

Model	067								
ACOUSTIC ENCLOSURE	SL								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	73,4	64,5	65,2	60,2	54,5	47,4	36,1	66
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	57	48,2	48,8	43,8	38,2	31	19,7	50

Sound level spectrum at 1 meter

Model	082								
ACOUSTIC ENCLOSURE	SL								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	74,4	65,5	66,2	61,2	55,5	48,4	37,1	67
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	58	49,2	49,8	44,8	39,2	32	20,7	51

Sound level spectrum at 1 meter

Model	110								
ACOUSTIC ENCLOSURE	SL								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	76,4	67,5	68,2	63,2	57,5	50,4	39,1	69
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	59,1	50,3	51	45,9	40,3	33,1	21,9	52

Sound level spectrum at 1 meter

Model	134								
ACOUSTIC ENCLOSURE	SL								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	76,4	67,5	68,2	63,2	57,5	50,4	39,1	69
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	58,8	49,9	50,6	45,6	39,9	32,8	21,5	51

Sound level spectrum at 1 meter

Model	164								
ACOUSTIC ENCLOSURE	SL								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	77,4	68,5	69,2	64,2	58,5	51,4	40,1	70
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	59,8	50,9	51,6	46,6	40,9	33,8	22,5	52

TECHNICAL DATA

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MICROCHANNEL COIL

TECHNICAL DATA MEGR-MC-E - 265/1/60 - 460/3/60

Fans with EC electric motors and STANDARD acoustic enclosure

MODEL		013	015	024	027	034	049
REFRIGERANT		R410A	R410A	R410A	R410A	R410A	R410A
POWER SUPPLY	V/ph/Hz	265/1/60	265/1/60	460/3/60	460/3/60	460/3/60	460/3/60
ACOUSTIC VERSION		STD	STD	STD	STD	STD	STD
CAPACITY (1)	kW	11,4	13,8	23,0	25,7	32,0	47,0
AXIAL FANS "AC"	n.	1	1	1	1	1	2
Total air flow	m ³ /h	3300	4300	7098	8350	9550	15555
External static pressure	Pa	0	0	0	0	0	0
Total engaged power	kW	0,08	0,18	0,23	0,38	0,34	0,45
Total absorbed current (SA)	A	0,79	0,79	1,67	1,67	1,67	3,34
Maximum total engaged power (FLI)	kW	0,21	0,21	1	1	1	2
Maximum total absorbed current (FLA)	A	0,79	0,79	1,67	1,67	1,67	3,34
NET WEIGHT	kg	28	28	43	43	50	82

MODEL		055	067	082	110	134	164
REFRIGERANT		R410A	R410A	R410A	R410A	R410A	R410A
POWER SUPPLY	V/ph/Hz	460/3/60	460/3/60	460/3/60	460/3/60	460/3/60	460/3/60
ACOUSTIC VERSION		STD	STD	STD	STD	STD	STD
CAPACITY (1)	kW	52,5	63,8	77,8	105,0	128,0	156,0
AXIAL FANS "AC"	n.	2	2	3	4	4	6
Total air flow	m ³ /h	18300	19000	25000	36600	38000	50000
External static pressure	Pa	0	0	0	0	0	0
Total engaged power	kW	0,65	0,65	0,98	1,3	1,3	1,95
Total absorbed current (SA)	A	3,34	3,34	5,01	6,68	6,68	10
Maximum total engaged power (FLI)	kW	2	2	3	4	4	6
Maximum total absorbed current (FLA)	A	3,34	3,34	5,01	6,68	6,68	10
NET WEIGHT	kg	82	96	114	169	200	237

1. Referred to condensing temperature at 50°C and ambient air temperature at 35°C.
The units highlighted in this publication contain <HFC R410A [GWP₁₀₀ 2088]> fluorinated greenhouse gas

ACOUSTIC DATA MEGR-MC-E - 265/1/60 - 460/3/60

Fans with EC electric motors and STANDARD acoustic enclosure

MODEL		013	015	024	027	034	049
REFRIGERANT		R410A	R410A	R410A	R410A	R410A	R410A
POWER SUPPLY	V/ph/Hz	265/1/60	265/1/60	460/3/60	460/3/60	460/3/60	460/3/60
ACOUSTIC VERSION		STD	STD	STD	STD	STD	STD
Sound power level [Lw] ISO 9614-2	dB(A)	58	64	66	70	71	70
Average sound pressure level [Lpm] ISO 3744							
At 1 m	dB(A)	43	49	51	55	56	54
At 5 m	dB(A)	32	38	40	44	45	44
At 10 m	dB(A)	27	33	35	39	40	39

MODEL		055	067	082	110	134	164
REFRIGERANT		R410A	R410A	R410A	R410A	R410A	R410A
POWER SUPPLY	V/ph/Hz	460/3/60	460/3/60	460/3/60	460/3/60	460/3/60	460/3/60
ACOUSTIC VERSION		STD	STD	STD	STD	STD	STD
Sound power level [Lw] ISO 9614-2	dB(A)	73	74	75	76	77	78
Average sound pressure level [Lpm] ISO 3744							
At 1 m	dB(A)	57	58	59	59	59	60
At 5 m	dB(A)	47	48	49	50	50	51
At 10 m	dB(A)	42	42	43	44	45	46

SOUND DATA

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SOUND SPECTER MEGR-MC-E - 265/1/60 - 460/3/60

Sound level spectrum at 1 meter

Model	013								
ACOUSTIC ENCLOSURE	STD								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	61,7	54,9	56	53,3	49,8	42,1	33,5	58
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	47,2	40,3	41,5	38,8	35,3	27,6	19	43

Sound level spectrum at 1 meter

Model	015								
ACOUSTIC ENCLOSURE	STD								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	66,7	63,7	59,4	59,5	56,8	49,4	42,3	64
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	52,2	49,2	44,9	45	42,3	34,9	27,8	49

Sound level spectrum at 1 meter

Model	024								
ACOUSTIC ENCLOSURE	STD								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	69,7	62,9	64	61,3	57,8	50,1	41,5	66
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	54,8	48	49,1	46,4	42,9	35,2	26,6	51

Sound level spectrum at 1 meter

Model	027								
ACOUSTIC ENCLOSURE	STD								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	72,7	69,7	65,4	65,5	62,8	55,4	48,3	70
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	57,8	54,8	50,5	50,6	47,9	40,5	33,4	55

Sound level spectrum at 1 meter

Model	034								
ACOUSTIC ENCLOSURE	STD								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	73,7	70,7	66,4	66,5	63,8	56,4	49,3	71
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	58,3	55,3	51	51,1	48,4	41	33,9	56

Sound level spectrum at 1 meter

Model	049								
ACOUSTIC ENCLOSURE	STD								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	73,7	66,9	68	65,3	61,8	54,1	45,5	70
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	57,7	66,9	68	65,3	61,8	54,1	45,5	54

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Sound level spectrum at 1 meter

Model	055								
ACOUSTIC ENCLOSURE	STD								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	75,7	72,7	68,4	68,5	65,8	58,4	51,3	73
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	59,8	56,8	52,5	52,6	49,9	42,5	35,4	57

Sound level spectrum at 1 meter

Model	067								
ACOUSTIC ENCLOSURE	STD								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	76,7	73,7	69,4	69,5	66,8	59,4	52,3	74
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	60,4	57,3	53,1	53,2	50,5	43,1	36	58

Sound level spectrum at 1 meter

Model	082								
ACOUSTIC ENCLOSURE	STD								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	77,7	74,7	70,4	70,5	67,8	60,4	53,3	75
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	61,4	58,3	54,1	54,2	51,5	44,1	37	59

Sound level spectrum at 1 meter

Model	110								
ACOUSTIC ENCLOSURE	STD								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	78,7	75,7	71,4	71,5	68,8	61,4	54,3	76
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	61,5	58,5	54,2	54,3	51,6	44,2	37,1	59

Sound level spectrum at 1 meter

Model	134								
ACOUSTIC ENCLOSURE	STD								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	79,7	76,7	72,4	72,5	69,8	62,4	55,3	77
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	62,1	59,1	54,8	54,9	52,2	44,8	37,7	59

Sound level spectrum at 1 meter

Model	164								
ACOUSTIC ENCLOSURE	STD								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	80,7	77,7	73,4	73,5	70,8	63,4	56,3	78
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	63,1	60,1	55,8	55,9	53,2	45,8	38,7	60

MICROCHANNEL COIL

TECHNICAL DATA MEGR-MC-SL-E - 265/1/60 - 460/3/60

Fans with EC electric motors and LOW-NOISE acoustic enclosure

MODEL		013	015	024	027	034	049
REFRIGERANT		R410A	R410A	R410A	R410A	R410A	R410A
POWER SUPPLY	V/ph/Hz	265/1/60	265/1/60	460/3/60	460/3/60	460/3/60	460/3/60
ACOUSTIC VERSION		SL	SL	SL	SL	SL	SL
CAPACITY (1)	kW	8,3	10,7	16,7	20,0	24,5	34,2
AXIAL FANS "AC"	n.	1	1	1	1	1	2
Total air flow	m ³ /h	2150	3010	4593	5845	6685	10065
External static pressure	Pa	0	0	0	0	0	0
Total engaged power	kW	0,02	0,06	0,06	0,13	0,12	0,12
Total absorbed current (SA)	A	0,79	0,79	1,67	1,67	1,67	3,34
Maximum total engaged power (FLI)	kW	0,21	0,21	1	1	1	2
Maximum total absorbed current (FLA)	A	0,79	0,79	1,67	1,67	1,67	3,34
NET WEIGHT	kg	29	29	44	44	52	84

MODEL		055	067	082	110	134	164
REFRIGERANT		R410A	R410A	R410A	R410A	R410A	R410A
POWER SUPPLY	V/ph/Hz	460/3/60	460/3/60	460/3/60	460/3/60	460/3/60	460/3/60
ACOUSTIC VERSION		SL	SL	SL	SL	SL	SL
CAPACITY (1)	kW	40,9	48,6	60,0	81,8	97,1	120,0
AXIAL FANS "AC"	n.	2	2	3	4	4	6
Total air flow	m ³ /h	12810	13300	17500	25620	26600	35000
External static pressure	Pa	0	0	0	0	0	0
Total engaged power	kW	0,22	0,22	0,33	0,45	0,44	0,67
Total absorbed current (SA)	A	3,34	3,34	5,01	6,68	6,68	10
Maximum total engaged power (FLI)	kW	2	2	3	4	4	6
Maximum total absorbed current (FLA)	A	3,34	3,34	5,01	6,68	6,68	10
NET WEIGHT	kg	84	99	117	174	206	243

1. Referred to condensing temperature at 50°C and ambient air temperature at 35°C.
The units highlighted in this publication contain <HFC R410A [GWP₁₀₀ 2088]> fluorinated greenhouse gas

ACOUSTIC DATA MEGR-MC-SL-E - 265/1/60 - 460/3/60

Fans with EC electric motors and LOW-NOISE acoustic enclosure

MODEL		013	015	024	027	034	049
REFRIGERANT		R410A	R410A	R410A	R410A	R410A	R410A
POWER SUPPLY	V/ph/Hz	265/1/60	265/1/60	460/3/60	460/3/60	460/3/60	460/3/60
ACOUSTIC VERSION		SL	SL	SL	SL	SL	SL
Sound power level [Lw] ISO 9614-2	dB(A)	51	57	59	62	63	62
Average sound pressure level [Lpm] ISO 3744							
At 1 m	dB(A)	36	42	44	47	48	46
At 5 m	dB(A)	25	31	33	36	37	36
At 10 m	dB(A)	20	26	28	31	32	31

MODEL		055	067	082	110	134	164
REFRIGERANT		R410A	R410A	R410A	R410A	R410A	R410A
POWER SUPPLY	V/ph/Hz	460/3/60	460/3/60	460/3/60	460/3/60	460/3/60	460/3/60
ACOUSTIC VERSION		SL	SL	SL	SL	SL	SL
Sound power level [Lw] ISO 9614-2	dB(A)	66	66	67	69	69	70
Average sound pressure level [Lpm] ISO 3744							
At 1 m	dB(A)	50	50	51	52	51	52
At 5 m	dB(A)	40	40	41	43	42	43
At 10 m	dB(A)	35	34	35	37	37	38

SOUND DATA

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SOUND SPECTER MEGR-MC-SL-E - 265/1/60 - 460/3/60

Sound level spectrum at 1 meter

Model		013							
ACOUSTIC ENCLOSURE		SL							
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	59,1	53	49,5	44,5	37,3	28,5	19,2	51
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	44,6	38,5	34,9	29,9	22,8	14	4,7	36

Sound level spectrum at 1 meter

Model		015							
ACOUSTIC ENCLOSURE		SL							
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	64,4	55,5	56,2	51,2	45,5	38,4	27,1	57
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	49,8	41	41,6	36,6	31	23,8	12,6	42

Sound level spectrum at 1 meter

Model		024							
ACOUSTIC ENCLOSURE		SL							
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	67,1	61	57,5	52,5	45,3	36,5	27,2	59
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	52,2	46,1	42,6	37,6	30,4	21,6	12,3	44

Sound level spectrum at 1 meter

Model		027							
ACOUSTIC ENCLOSURE		SL							
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	69,4	60,5	61,2	56,2	50,5	43,4	32,1	62
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	54,5	45,6	46,3	41,3	35,6	28,5	17,2	47

Sound level spectrum at 1 meter

Model		034							
ACOUSTIC ENCLOSURE		SL							
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	70,4	61,5	62,2	57,2	51,5	44,4	33,1	63
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	55	46,1	46,8	41,8	36,1	29	17,7	48

Sound level spectrum at 1 meter

Model		049							
ACOUSTIC ENCLOSURE		SL							
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	70,1	64	60,5	55,5	48,3	39,5	30,2	62
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	54,1	48,1	44,5	39,5	32,4	23,5	14,2	46

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Sound level spectrum at 1 meter

Model	055								
ACOUSTIC ENCLOSURE	SL								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	73,4	64,5	65,2	60,2	54,5	47,4	36,1	66
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	57,4	48,6	49,2	44,2	38,6	31,4	20,1	50

Sound level spectrum at 1 meter

Model	067								
ACOUSTIC ENCLOSURE	SL								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	73,4	64,5	65,2	60,2	54,5	47,4	36,1	66
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	57	48,2	48,8	43,8	38,2	31	19,7	50

Sound level spectrum at 1 meter

Model	082								
ACOUSTIC ENCLOSURE	SL								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	74,4	65,5	66,2	61,2	55,5	48,4	37,1	67
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	58	49,2	49,8	44,8	39,2	32	20,7	51

Sound level spectrum at 1 meter

Model	110								
ACOUSTIC ENCLOSURE	SL								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	76,4	67,5	68,2	63,2	57,5	50,4	39,1	69
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	59,1	50,3	51	45,9	40,3	33,1	21,9	52

Sound level spectrum at 1 meter

Model	134								
ACOUSTIC ENCLOSURE	SL								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	76,4	67,5	68,2	63,2	57,5	50,4	39,1	69
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	58,8	49,9	50,6	45,6	39,9	32,8	21,5	51

Sound level spectrum at 1 meter

Model	164								
ACOUSTIC ENCLOSURE	SL								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	77,4	68,5	69,2	64,2	58,5	51,4	40,1	70
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	59,8	50,9	51,6	46,6	40,9	33,8	22,5	52

TUBE AND FINS COIL

TECHNICAL DATA MEGR-TF-A – 230/1/50

Fans with AC electric motors and STANDARD acoustic enclosure

MODEL		014	019	028	036	045	057
REFRIGERANT		R410A	R410A	R410A	R410A	R410A	R410A
POWER SUPPLY	V/ph/Hz	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50
ACOUSTIC VERSION		STANDARD	STANDARD	STANDARD	STANDARD	STANDARD	STANDARD
CAPACITY (1)	kW	14.7	19.2	27.9	35.7	45.7	57.3
AXIAL FANS "AC"	n.	1	1	1	1	2	2
Total air flow	m ³ /h	4100	9100	7800	9200	19600	18400
External static pressure	Pa	0	0	0	0	0	0
Total engaged power	kW	0.34	0.55	0.6	0.54	1.07	1.11
Total absorbed current (SA)	A	1,7	2,9	2,9	2,9	5,8	5,8
Maximum total engaged power (FLI)	kW	0,38	0,64	0,64	0,64	1,28	1,28
Maximum total absorbed current (FLA)	A	1,7	2,9	2,9	2,9	5,8	5,8
NET WEIGHT	kg	45	58	70	89	111	126

MODEL		065	074	088	130	149	176
REFRIGERANT		R410A	R410A	R410A	R410A	R410A	R410A
POWER SUPPLY	V/ph/Hz	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50
ACOUSTIC VERSION		STANDARD	STANDARD	STANDARD	STANDARD	STANDARD	STANDARD
CAPACITY (1)	kW	64.9	74.3	88.0	130	149	176
AXIAL FANS "AC"	n.	2	2	3	4	4	6
Total air flow	m ³ /h	17300	19000	24200	34600	38000	48400
External static pressure	Pa	0	0	0	0	0	0
Total engaged power	kW	1.14	1.08	1.77	2.28	2.16	3.54
Total absorbed current (SA)	A	5,8	5,8	8,7	11,6	11,6	17,4
Maximum total engaged power (FLI)	kW	1,28	1,28	1,92	2,56	2,56	3,84
Maximum total absorbed current (FLA)	A	5,8	5,8	8,7	11,6	11,6	17,4
NET WEIGHT	kg	142	168	186	312	365	401

1. Referred to condensing temperature at 50°C and ambient air temperature at 35°C.
The units highlighted in this publication contain <HFC R410A [GWP₁₀₀ 2088]> fluorinated greenhouse gas

ACOUSTIC DATA MEGR-TF-A – 230/1/50

Fans with AC electric motors and STANDARD acoustic enclosure

MODEL		014	019	028	036	045	057
REFRIGERANT		R410A	R410A	R410A	R410A	R410A	R410A
POWER SUPPLY	V/ph/Hz	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50
ACOUSTIC VERSION		STANDARD	STANDARD	STANDARD	STANDARD	STANDARD	STANDARD
Sound power level [Lw] ISO 9614-2	dB(A)	69	72	72	72	75	75
Average sound pressure level [Lpm] ISO 3744							
At 1 m	dB(A)	55	57	57	56	59	59
At 5 m	dB(A)	43	46	47	46	49	49
At 10 m	dB(A)	38	40	41	40	44	43

MODEL		065	074	088	130	149	176
REFRIGERANT		R410A	R410A	R410A	R410A	R410A	R410A
POWER SUPPLY	V/ph/Hz	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50
ACOUSTIC VERSION		STANDARD	STANDARD	STANDARD	STANDARD	STANDARD	STANDARD
Sound power level [Lw] ISO 9614-2	dB(A)	75	75	77	78	78	80
Average sound pressure level [Lpm] ISO 3744							
At 1 m	dB(A)	59	59	60	61	60	62
At 5 m	dB(A)	49	49	51	51	51	53
At 10 m	dB(A)	43	43	45	46	46	48

SOUND SPECTER MEGR-TF-A – 230/1/50

Sound level spectrum at 1 meter

Model	014								
ACOUSTIC ENCLOSURE	STANDARD								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	71.8	68.8	64.5	64.6	61.9	54.5	47.4	69.1
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	57.3	54.3	50	50.1	47.4	40	32.9	54.6

Sound level spectrum at 1 meter

Model	019								
ACOUSTIC ENCLOSURE	STANDARD								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	74.5	71.5	67.2	67.3	64.6	57.2	50.1	71.8
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	59.6	56.6	52.3	52.4	49.7	42.3	35.2	56.9

Sound level spectrum at 1 meter

Model	028								
ACOUSTIC ENCLOSURE	STANDARD								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	75	72	67.7	67.8	65.1	57.7	50.6	72.3
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	60.1	57.1	52.8	52.9	50.2	42.8	35.7	57.4

Sound level spectrum at 1 meter

Model	036								
ACOUSTIC ENCLOSURE	STANDARD								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	74.5	71.5	67.2	67.3	64.6	57.2	50.1	71.8
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	59.1	56.1	51.8	51.9	49.2	41.8	34.7	56.4

Sound level spectrum at 1 meter

Model	045								
ACOUSTIC ENCLOSURE	STANDARD								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	77.8	74.8	70.5	70.6	67.9	60.5	53.4	75.1
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	61.9	58.9	54.6	54.7	52	44.6	37.5	59.1

Sound level spectrum at 1 meter

Model	057								
ACOUSTIC ENCLOSURE	STANDARD								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	77.6	74.6	70.3	70.4	67.7	60.3	53.2	74.9
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	61.7	58.7	54.4	54.5	51.8	44.4	37.3	58.9

Sound level spectrum at 1 meter

Model	065								
ACOUSTIC ENCLOSURE	STANDARD								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	77.6	74.6	70.3	70.4	67.7	60.3	53.2	74.9
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	61.7	58.7	54.4	54.5	51.8	44.4	37.3	58.9

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Sound level spectrum at 1 meter

Model	074								
ACOUSTIC ENCLOSURE	STANDARD								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	77.6	74.6	70.3	70.4	67.7	60.3	53.2	74.9
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	61.3	58.2	54	54.1	51.4	44	36.9	58.5

Sound level spectrum at 1 meter

Model	088								
ACOUSTIC ENCLOSURE	STANDARD								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	79.6	76.6	72.3	72.4	69.7	62.3	55.2	76.9
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	63.3	60.2	56	56.1	53.4	46	38.9	60.5

Sound level spectrum at 1 meter

Model	130								
ACOUSTIC ENCLOSURE	STANDARD								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	80.6	77.6	73.3	73.4	70.7	63.3	56.2	77.9
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	63.5	60.4	56.1	56.2	53.6	46.1	39	60.7

Sound level spectrum at 1 meter

Model	149								
ACOUSTIC ENCLOSURE	STANDARD								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	80.6	77.6	73.3	73.4	70.7	63.3	56.2	77.9
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	63.1	60.1	55.8	55.9	53.2	45.8	38.7	60.4

Sound level spectrum at 1 meter

Model	176								
ACOUSTIC ENCLOSURE	STANDARD								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	82.6	79.6	75.3	75.4	72.7	65.3	58.2	79.9
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	65.1	62.1	57.8	57.9	55.2	47.8	40.7	62.4

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TECHNICAL DATA MEGR-TF-SL-A – 230/1/50

Fans with AC electric motors and LOW-NOISE acoustic enclosure

MODEL		014	019	028	036	045	057
REFRIGERANT		R410A	R410A	R410A	R410A	R410A	R410A
POWER SUPPLY	V/ph/Hz	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50
ACOUSTIC VERSION		SL	SL	SL	SL	SL	SL
CAPACITY (1)	kW	11.4	15.5	21.6	27.4	36.8	45
AXIAL FANS "AC"	n.	1	1	1	1	2	2
Total air flow	m ³ /h	2870	6370	5460	6440	13720	12880
External static pressure	Pa	0	0	0	0	0	0
Total engaged power	kW	0.24	0.39	0.42	0.38	0.75	0.78
Total absorbed current (SA)	A	1,19	2,03	2,03	2,03	4,06	4,06
Maximum total engaged power (FLI)	kW	0,266	0,448	0,448	0,448	0,896	0,896
Maximum total absorbed current (FLA)	A	1,19	2,03	2,03	2,03	4,06	4,06
NET WEIGHT	kg	46	59	71	90	113	128

MODEL		065	074	088	130	149	176
REFRIGERANT		R410A	R410A	R410A	R410A	R410A	R410A
POWER SUPPLY	V/ph/Hz	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50
ACOUSTIC VERSION		SL	SL	SL	SL	SL	SL
CAPACITY (1)	kW	50	56.8	68.3	100	114	137
AXIAL FANS "AC"	n.	2	2	3	4	4	6
Total air flow	m ³ /h	12110	13300	16940	24220	26600	33880
External static pressure	Pa	0	0	0	0	0	0
Total engaged power	kW	0.8	0.76	1.24	1.6	1.51	2.48
Total absorbed current (SA)	A	4,06	4,06	6,09	8,12	8,12	12,18
Maximum total engaged power (FLI)	kW	0,896	0,896	1,344	1,792	1,792	2,688
Maximum total absorbed current (FLA)	A	4,06	4,06	6,09	8,12	8,12	12,18
NET WEIGHT	kg	144	170	188	315	369	405

1. Referred to condensing temperature at 50°C and ambient air temperature at 35°C.

The units highlighted in this publication contain <HFC R410A [GWP₁₀₀ 2088]> fluorinated greenhouse gas

ACOUSTIC DATA MEGR-TF-SL-A – 230/1/50

Fans with AC electric motors and LOW-NOISE acoustic enclosure

MODEL		014	019	028	036	045	057
REFRIGERANT		R410A	R410A	R410A	R410A	R410A	R410A
POWER SUPPLY	V/ph/Hz	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50
ACOUSTIC VERSION		SL	SL	SL	SL	SL	SL
Sound power level [Lw] ISO 9614-2	dB(A)	61	64	65	64	67	67
Average sound pressure level [Lpm] ISO 3744							
At 1 m	dB(A)	47	49	50	49	51	51
At 5 m	dB(A)	36	38	39	38	41	41
At 10 m	dB(A)	30	33	33	33	36	36

MODEL		065	074	088	130	149	176
REFRIGERANT		R410A	R410A	R410A	R410A	R410A	R410A
POWER SUPPLY	V/ph/Hz	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50
ACOUSTIC VERSION		SL	SL	SL	SL	SL	SL
Sound power level [Lw] ISO 9614-2	dB(A)	67	67	69	70	70	72
Average sound pressure level [Lpm] ISO 3744							
At 1 m	dB(A)	51	51	53	53	53	55
At 5 m	dB(A)	41	41	43	44	44	46
At 10 m	dB(A)	36	36	38	39	38	40

SOUND SPECTER MEGR-TF-SL-A – 230/1/50

Sound level spectrum at 1 meter

Model	014								
ACOUSTIC ENCLOSURE	SL								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	68.7	59.8	60.5	55.5	49.8	42.7	31.4	61.3
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	54.1	45.3	45.9	40.9	35.3	28.1	16.9	46.8

Sound level spectrum at 1 meter

Model	019								
ACOUSTIC ENCLOSURE	SL								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	71,5	62,6	63,3	58,3	52,6	45,5	34,2	64,1
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	56,6	47,7	48,4	43,4	37,7	30,6	19,3	49,2

Sound level spectrum at 1 meter

Model	028								
ACOUSTIC ENCLOSURE	SL								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	72	63,1	63,8	58,8	53,1	46	34,7	64,6
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	57,1	48,2	48,9	43,9	38,2	31,1	19,8	49,7

Sound level spectrum at 1 meter

Model	036								
ACOUSTIC ENCLOSURE	SL								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	71.4	62,5	63.2	58.2	52,5	45.4	34.1	64
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	56	47,1	47.8	42.8	37,1	30	18,7	48,6

Sound level spectrum at 1 meter

Model	045								
ACOUSTIC ENCLOSURE	SL								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	74,7	65,8	66,5	61,5	55,8	48,7	37,4	67,3
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	58,7	49,9	50,5	45,5	39,9	32,7	21,4	51,3

Sound level spectrum at 1 meter

Model	057								
ACOUSTIC ENCLOSURE	SL								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	74,6	65,7	66,4	61,4	55,7	48,6	37,3	67,2
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	58,6	49,8	50,4	45,4	39,8	32,6	21,3	251,

Sound level spectrum at 1 meter

Model	065								
ACOUSTIC ENCLOSURE	SL								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	74,6	65,7	66,4	61,4	55,7	48,6	37,3	67,2
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	58,6	49,8	50,4	45,4	39,8	32,6	21,3	51,2

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Sound level spectrum at 1 meter

Model	074								
ACOUSTIC ENCLOSURE	SL								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	74,6	65,7	66,4	61,4	55,7	48,6	37,3	67,2
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	58,2	49,4	50	45	39,4	32,2	20,9	50,8

Sound level spectrum at 1 meter

Model	088								
ACOUSTIC ENCLOSURE	SL								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	76,6	67,7	68,4	63,4	57,7	50,6	39,3	69,2
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	60,2	51,4	52	47	41,4	34,2	22,9	52,8

Sound level spectrum at 1 meter

Model	130								
ACOUSTIC ENCLOSURE	SL								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	77,6	68,7	69,4	64,4	58,7	51,6	40,3	70,2
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	60,4	51,5	52,2	47,2	41,5	34,4	23,1	53

Sound level spectrum at 1 meter

Model	149								
ACOUSTIC ENCLOSURE	SL								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	77,6	68,7	69,4	64,4	58,7	51,6	40,3	70,2
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	60	51,2	51,8	46,8	41,2	34	22,8	52,7

Sound level spectrum at 1 meter

Model	176								
ACOUSTIC ENCLOSURE	SL								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	79,6	70,7	71,4	66,4	60,7	53,6	42,3	72,2
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	62	53,2	53,8	48,8	43,2	36	24,8	54,7

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TECHNICAL DATA MEGR-TF-E – 230/1/50 - 400/3/50

Fans with EC electric motors and STANDARD acoustic enclosure

MODEL		014	019	028	036	045	057
REFRIGERANT		R410A	R410A	R410A	R410A	R410A	R410A
POWER SUPPLY	V/ph/Hz	230/1/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50
ACOUSTIC VERSION		STANDARD	STANDARD	STANDARD	STANDARD	STANDARD	STANDARD
CAPACITY (1)	kW	14	19.2	27.9	35.7	45.7	57.3
AXIAL FANS "AC"	n.	1	1	1	1	2	2
Total air flow	m ³ /h	3800	9100	7800	9200	19600	18400
External static pressure	Pa	0	0	0	0	0	0
Total engaged power	kW	0.19	0.41	0.43	0.4	0.8	0.82
Total absorbed current (SA)	A	0.91	1.92	1.92	1.92	3.84	3.84
Maximum total engaged power (FLI)	kW	0.21	1	1	1	2	2
Maximum total absorbed current (FLA)	A	0.91	1.92	1.92	1.92	3.84	3.84
NET WEIGHT	kg	43	56	68	86	107	122

MODEL		065	074	088	130	149	176
REFRIGERANT		R410A	R410A	R410A	R410A	R410A	R410A
POWER SUPPLY	V/ph/Hz	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50
ACOUSTIC VERSION		STANDARD	STANDARD	STANDARD	STANDARD	STANDARD	STANDARD
CAPACITY (1)	kW	64.9	74.3	88	130	149	176
AXIAL FANS "AC"	n.	2	2	3	4	4	6
Total air flow	m ³ /h	17300	19000	24200	34600	38000	48400
External static pressure	Pa	0	0	0	0	0	0
Total engaged power	kW	0.83	0.8	1.28	1.66	1.6	2.6
Total absorbed current (SA)	A	3.84	3.84	5.76	7.68	7.68	11.52
Maximum total engaged power (FLI)	kW	2	2	3	4	4	6
Maximum total absorbed current (FLA)	A	3.84	3.84	5.76	7.68	7.68	11.52
NET WEIGHT	kg	138	164	182	304	357	393

1. Referred to condensing temperature at 50°C and ambient air temperature at 35°C.
The units highlighted in this publication contain <HFC R410A [GWP₁₀₀ 2088]> fluorinated greenhouse gas

ACOUSTIC DATA MEGR-TF-E – 230/1/50 - 400/3/50

Fans with EC electric motors and STANDARD acoustic enclosure

MODEL		014	019	028	036	045	057
REFRIGERANT		R410A	R410A	R410A	R410A	R410A	R410A
POWER SUPPLY	V/ph/Hz	230/1/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50
ACOUSTIC VERSION		STANDARD	STANDARD	STANDARD	STANDARD	STANDARD	STANDARD
Sound power level [Lw] ISO 9614-2	dB(A)	65	71	71	71	75	74
Average sound pressure level [Lpm] ISO 3744							
At 1 m	dB(A)	50	56	56	56	59	58
At 5 m	dB(A)	39	45	45	45	49	48
At 10 m	dB(A)	33	40	40	40	44	43

MODEL		065	074	088	130	149	176
REFRIGERANT		R410A	R410A	R410A	R410A	R410A	R410A
POWER SUPPLY	V/ph/Hz	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50
ACOUSTIC VERSION		STANDARD	STANDARD	STANDARD	STANDARD	STANDARD	STANDARD
Sound power level [Lw] ISO 9614-2	dB(A)	74	75	76	77	78	79
Average sound pressure level [Lpm] ISO 3744							
At 1 m	dB(A)	58	58	59	60	60	61
At 5 m	dB(A)	48	48	50	51	51	52
At 10 m	dB(A)	43	43	44	45	46	47

SOUND SPECTER MEGR-TF-E – 230/1/50 – 400/3/50

Sound level spectrum at 1 meter

Model	014								
ACOUSTIC ENCLOSURE	STANDARD								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	67.4	64.4	60.1	60.2	57.5	50.1	43	64.7
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	52.9	49.9	45.6	45.7	43	35.6	28.5	50.2

Sound level spectrum at 1 meter

Model	019								
ACOUSTIC ENCLOSURE	STANDARD								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	73.9	70.9	66.6	66.7	64	56.6	49.5	71.2
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	59	56	51.7	51.8	49.1	41.7	34.6	56.3

Sound level spectrum at 1 meter

Model	028								
ACOUSTIC ENCLOSURE	STANDARD								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	73.9	70.9	66.6	66.7	64	56.6	49.5	71.2
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	59	56	51.7	51.8	49.1	41.7	34.6	56.3

Sound level spectrum at 1 meter

Model	036								
ACOUSTIC ENCLOSURE	STANDARD								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	73.9	70.9	66.6	66.7	64	56.6	49.5	71.2
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	58.5	55.5	51.2	51.3	48.6	41.2	34.1	55.8

Sound level spectrum at 1 meter

Model	045								
ACOUSTIC ENCLOSURE	STANDARD								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	77.7	74.7	70.4	70.5	67.8	60.4	53.3	75
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	61.8	58.8	54.5	54.6	51.9	44.5	37.4	59

Sound level spectrum at 1 meter

Model	057								
ACOUSTIC ENCLOSURE	STANDARD								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	77.1	74.1	69.8	69.9	67.2	59.8	52.7	74.4
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	61.2	58.2	53.9	54	51.3	43.9	36.8	58.4

Sound level spectrum at 1 meter

Model	065								
ACOUSTIC ENCLOSURE	STANDARD								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	76.7	73.7	69.4	69.5	66.8	59.4	52.3	74
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	60.8	57.8	53.5	53.6	50.9	43.5	36.4	58

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Sound level spectrum at 1 meter

Model	074								
ACOUSTIC ENCLOSURE	STANDARD								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	77.3	74.3	70	70.1	67.4	60	52.9	74.6
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	61	57.9	53.7	53.8	51.1	43.7	36.6	58.2

Sound level spectrum at 1 meter

Model	088								
ACOUSTIC ENCLOSURE	STANDARD								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	78.5	75.5	71.2	71.3	68.6	61.2	54.1	75.8
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	62.2	59.1	54.9	55	52.3	44.9	37.8	59.4

Sound level spectrum at 1 meter

Model	130								
ACOUSTIC ENCLOSURE	STANDARD								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	79.7	76.7	72.4	72.5	69.8	62.4	55.3	77
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	62.6	59.5	55.2	55.3	52.7	45.2	38.1	59.8

Sound level spectrum at 1 meter

Model	149								
ACOUSTIC ENCLOSURE	STANDARD								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	80.3	77.3	73	73.1	70.4	63	55.9	77.6
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	62.8	59.8	55.5	55.6	52.9	45.5	38.4	60.1

Sound level spectrum at 1 meter

Model	176								
ACOUSTIC ENCLOSURE	STANDARD								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	81.5	78.5	74.2	74.3	71.6	64.2	57.1	78.8
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	64	61	56.7	56.8	54.1	46.7	39.6	61.3

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TECHNICAL DATA MEGR-TF-SL-E – 230/1/50 - 400/3/50

Fans with EC electric motors and LOW-NOISE acoustic enclosure

MODEL		014	019	028	036	045	057
REFRIGERANT		R410A	R410A	R410A	R410A	R410A	R410A
POWER SUPPLY	V/ph/Hz	230/1/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50
ACOUSTIC VERSION		SL	SL	SL	SL	SL	SL
CAPACITY (1)	kW	10.8	15.5	21.6	27.4	36.8	45.0
AXIAL FANS "AC"	n.	1	1	1	1	2	2
Total air flow	m ³ /h	2660	6370	5460	6440	13720	12880
External static pressure	Pa	0	0	0	0	0	0
Total engaged power	kW	0.07	0.14	0.15	0.14	0.28	0.28
Total absorbed current (SA)	A	0,91	1,92	1,92	1,92	3,84	3,84
Maximum total engaged power (FLI)	kW	0,21	1	1	1	2	2
Maximum total absorbed current (FLA)	A	0,91	1,92	1,92	1,92	3,84	3,84
NET WEIGHT	kg	44	57	69	87	109	124

MODEL		065	074	088	130	149	176
REFRIGERANT		R410A	R410A	R410A	R410A	R410A	R410A
POWER SUPPLY	V/ph/Hz	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50
ACOUSTIC VERSION		SL	SL	SL	SL	SL	SL
CAPACITY (1)	kW	50	56.8	68.3	100	114	137
AXIAL FANS "AC"	n.	2	2	3	4	4	6
Total air flow	m ³ /h	12110	13300	16940	24220	26600	33880
External static pressure	Pa	0	0	0	0	0	0
Total engaged power	kW	0.29	0.28	0.44	0.58	0.56	0.88
Total absorbed current (SA)	A	3,84	3,84	5,76	7,68	7,68	11,52
Maximum total engaged power (FLI)	kW	2	2	3	4	4	6
Maximum total absorbed current (FLA)	A	3,84	3,84	5,76	7,68	7,68	11,52
NET WEIGHT	kg	140	166	184	307	361	397

1. Referred to condensing temperature at 50°C and ambient air temperature at 35°C.
The units highlighted in this publication contain <HFC R410A [GWP₁₀₀ 2088]> fluorinated greenhouse gas

ACOUSTIC DATA MEGR-TF-SL-E – 230/1/50 - 400/3/50

Fans with EC electric motors and LOW-NOISE acoustic enclosure

MODEL		014	019	028	036	045	057
REFRIGERANT		R410A	R410A	R410A	R410A	R410A	R410A
POWER SUPPLY	V/ph/Hz	230/1/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50
ACOUSTIC VERSION		SL	SL	SL	SL	SL	SL
Sound power level [Lw] ISO 9614-2	dB(A)	57	63	64	63	67	66.5
Average sound pressure level [Lpm] ISO 3744							
At 1 m	dB(A)	43	49	49	48	51	51
At 5 m	dB(A)	31	38	38	38	41	41
At 10 m	dB(A)	26	32	32	32	36	35

MODEL		065	074	088	130	149	176
REFRIGERANT		R410A	R410A	R410A	R410A	R410A	R410A
POWER SUPPLY	V/ph/Hz	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50
ACOUSTIC VERSION		SL	SL	SL	SL	SL	SL
Sound power level [Lw] ISO 9614-2	dB(A)	66	67	68	69	70	71
Average sound pressure level [Lpm] ISO 3744							
At 1 m	dB(A)	50	51	52	52	52	53
At 5 m	dB(A)	40	41	42	43	43	44
At 10 m	dB(A)	35	35	36	38	38	39

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SOUND SPECTER MEGR-TF-SL-E – 230/1/50 – 400/3/50

Sound level spectrum at 1 meter

Model	014								
ACOUSTIC ENCLOSURE	SL								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	64.4	55.5	56.2	51.2	45.5	38.4	27.1	57
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	49.8	41	41.6	36.6	31	23.8	12.6	42.5

Sound level spectrum at 1 meter

Model	019								
ACOUSTIC ENCLOSURE	SL								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	70.9	62	62.7	57.7	52	44.9	33.6	63.5
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	56	47.1	47.8	42.8	37.1	30	18.7	48.6

Sound level spectrum at 1 meter

Model	028								
ACOUSTIC ENCLOSURE	SL								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	70.9	62	62.7	57.7	52	44.9	33.6	63.5
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	56	47.1	47.8	42.8	37.1	30	18.7	48.6

Sound level spectrum at 1 meter

Model	036								
ACOUSTIC ENCLOSURE	SL								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	70.9	62	62.7	57.7	52	44.9	33.6	63.5
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	55.5	46.6	47.3	42.3	36.6	29.5	18.2	48.1

Sound level spectrum at 1 meter

Model	045								
ACOUSTIC ENCLOSURE	SL								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	74.8	65.9	66.6	61.6	55.9	48.8	37.5	67.4
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	58.8	50	50.6	45.6	40	32.8	21.5	51.4

Sound level spectrum at 1 meter

Model	057								
ACOUSTIC ENCLOSURE	SL								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	74	65.1	65.8	60.8	55.1	48	36.7	66.6
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	58	49.2	49.8	44.8	39.2	32	20.7	50.6

Sound level spectrum at 1 meter

Model	065								
ACOUSTIC ENCLOSURE	SL								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	73.6	64.7	65.4	60.4	54.7	47.6	36.3	66.2
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	57.6	48.8	49.4	44.4	38.8	31.6	20.3	50.2

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Sound level spectrum at 1 meter

Model	074								
ACOUSTIC ENCLOSURE	SL								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	74.3	65.4	66.1	61.1	55.4	48.3	37	66.9
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	57.9	49.1	49.7	44.7	39.1	31.9	20.6	50.5

Sound level spectrum at 1 meter

Model	088								
ACOUSTIC ENCLOSURE	SL								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	75.4	66.5	67.2	62.2	56.5	49.4	38.1	68
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	59	50.2	50.8	45.8	40.2	33	21.7	51.6

Sound level spectrum at 1 meter

Model	130								
ACOUSTIC ENCLOSURE	SL								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	76.6	67.7	68.4	63.4	57.7	50.6	39.3	69.2
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	59.4	50.5	51.2	46.2	40.5	33.4	22.1	52

Sound level spectrum at 1 meter

Model	149								
ACOUSTIC ENCLOSURE	SL								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	77.3	68.4	69.1	64.1	58.4	51.3	40	69.9
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	59.7	50.8	51.5	46.5	40.9	33.7	22.5	52.4

Sound level spectrum at 1 meter

Model	176								
ACOUSTIC ENCLOSURE	SL								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	78.4	69.5	70.2	65.2	59.5	52.4	41.1	71
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	60.8	52	52.6	47.6	42	34.8	23.6	53.5

TECHNICAL DATA MEGR-TF-E – 220/1/60 - 380/3/60

Fans with EC electric motors and STANDARD acoustic enclosure

MODEL		014	019	028	036	045	057
REFRIGERANT		R410A	R410A	R410A	R410A	R410A	R410A
POWER SUPPLY	V/ph/Hz	220/1/60	380/3/60	380/3/60	380/3/60	380/3/60	380/3/60
ACOUSTIC VERSION		STANDARD	STANDARD	STANDARD	STANDARD	STANDARD	STANDARD
CAPACITY (1)	kW	14	19.2	27.9	35.7	45.7	57.3
AXIAL FANS "AC"	n.	1	1	1	1	2	2
Total air flow	m³/h	3800	9100	7800	9200	19600	18400
External static pressure	Pa	0	0	0	0	0	0
Total engaged power	kW	0.19	0.41	0.43	0.4	0.8	0.82
Total absorbed current (SA)	A	0.95	2	2	2	4	4
Maximum total engaged power (FLI)	kW	0.21	1	1	1	2	2
Maximum total absorbed current (FLA)	A	0.95	2	2	2	4	4
NET WEIGHT	kg	43	56	68	86	107	122

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MODEL		065	074	088	130	149	176
REFRIGERANT		R410A	R410A	R410A	R410A	R410A	R410A
POWER SUPPLY	V/ph/Hz	380/3/60	380/3/60	380/3/60	380/3/60	380/3/60	380/3/60
ACOUSTIC VERSION		STANDARD	STANDARD	STANDARD	STANDARD	STANDARD	STANDARD
CAPACITY (1)	kW	64.9	74.3	88	130	149	176
AXIAL FANS "AC"	n.	2	2	3	4	4	6
Total air flow	m ³ /h	17300	19000	24200	34600	38000	48400
External static pressure	Pa	0	0	0	0	0	0
Total engaged power	kW	0.83	0.8	1.28	1.66	1.6	2.6
Total absorbed current (SA)	A	4	4	6	8	8	12
Maximum total engaged power (FLI)	kW	2	2	3	4	4	6
Maximum total absorbed current (FLA)	A	4	4	6	8	8	12
NET WEIGHT	kg	138	164	182	304	357	393

MODEL

1. Referred to condensing temperature at 50°C and ambient air temperature at 35°C.

The units highlighted in this publication contain <HFC R410A [GWP₁₀₀ 2088]> fluorinated greenhouse gas

ACOUSTIC DATA MEGR-TF-E – 220/1/60 - 380/3/60

Fans with EC electric motors and STANDARD acoustic enclosure

MODEL		014	019	028	036	045	057
REFRIGERANT		R410A	R410A	R410A	R410A	R410A	R410A
POWER SUPPLY	V/ph/Hz	220/1/60	380/3/60	380/3/60	380/3/60	380/3/60	380/3/60
ACOUSTIC VERSION		STANDARD	STANDARD	STANDARD	STANDARD	STANDARD	STANDARD
Sound power level [Lw] ISO 9614-2	dB(A)	65	71	71	71	75	74
Average sound pressure level [Lpm] ISO 3744							
At 1 m	dB(A)	50	56	56	56	59	58
At 5 m	dB(A)	39	45	45	45	49	48
At 10 m	dB(A)	33	40	40	40	44	43

MODEL		065	074	088	130	149	176
REFRIGERANT		R410A	R410A	R410A	R410A	R410A	R410A
POWER SUPPLY	V/ph/Hz	380/3/60	380/3/60	380/3/60	380/3/60	380/3/60	380/3/60
ACOUSTIC VERSION		STANDARD	STANDARD	STANDARD	STANDARD	STANDARD	STANDARD
Sound power level [Lw] ISO 9614-2	dB(A)	74	75	76	77	78	79
Average sound pressure level [Lpm] ISO 3744							
At 1 m	dB(A)	58	58	59	60	60	61
At 5 m	dB(A)	48	48	50	51	51	52
At 10 m	dB(A)	43	43	44	45	46	47

SOUND SPECTER MEGR-TF-E – 220/1/60 – 380/3/60

Sound level spectrum at 1 meter

Model		014							
ACOUSTIC ENCLOSURE		STANDARD							
Frequency	Hz	125	250	500	1000	2000	4000	8000	L _{tot}
Sound Power Level [Lw] ISO 9614-2	dB(A)	67.4	64.4	60.1	60.2	57.5	50.1	43	64.7
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	52.9	49.9	45.6	45.7	43	35.6	28.5	50.2

Sound level spectrum at 1 meter

Model		019							
ACOUSTIC ENCLOSURE		STANDARD							
Frequency	Hz	125	250	500	1000	2000	4000	8000	L _{tot}
Sound Power Level [Lw] ISO 9614-2	dB(A)	73.9	70.9	66.6	66.7	64	56.6	49.5	71.2
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	59	56	51.7	51.8	49.1	41.7	34.6	56.3

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Sound level spectrum at 1 meter

Model	028								
ACOUSTIC ENCLOSURE	<small>STANDARD</small>								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	73.9	70.9	66.6	66.7	64	56.6	49.5	71.2
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	59	56	51.7	51.8	49.1	41.7	34.6	56.3

Sound level spectrum at 1 meter

Model	036								
ACOUSTIC ENCLOSURE	<small>STANDARD</small>								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	73.9	70.9	66.6	66.7	64	56.6	49.5	71.2
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	58.5	55.5	51.2	51.3	48.6	41.2	34.1	55.8

Sound level spectrum at 1 meter

Model	045								
ACOUSTIC ENCLOSURE	<small>STANDARD</small>								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	77.7	74.7	70.4	70.5	67.8	60.4	53.3	75
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	61.8	58.8	54.5	54.6	51.9	44.5	37.4	59

Sound level spectrum at 1 meter

Model	057								
ACOUSTIC ENCLOSURE	<small>STANDARD</small>								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	77.1	74.1	69.8	69.9	67.2	59.8	52.7	74.4
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	61.2	58.2	53.9	54	51.3	43.9	36.8	58.4

Sound level spectrum at 1 meter

Model	065								
ACOUSTIC ENCLOSURE	<small>STANDARD</small>								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	76.7	73.7	69.4	69.5	66.8	59.4	52.3	74
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	60.8	57.8	53.5	53.6	50.9	43.5	36.4	58

Sound level spectrum at 1 meter

Model	074								
ACOUSTIC ENCLOSURE	<small>STANDARD</small>								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	77.3	74.3	70	70.1	67.4	60	52.9	74.6
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	61	57.9	53.7	53.8	51.1	43.7	36.6	58.2

Sound level spectrum at 1 meter

Model	088								
ACOUSTIC ENCLOSURE	<small>STANDARD</small>								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	78.5	75.5	71.2	71.3	68.6	61.2	54.1	75.8
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	62.2	59.1	54.9	55	52.3	44.9	37.8	59.4

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Sound level spectrum at 1 meter

Model	130								
ACOUSTIC ENCLOSURE	STANDARD								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	79.7	76.7	72.4	72.5	69.8	62.4	55.3	77
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	62.6	59.5	55.2	55.3	52.7	45.2	38.1	59.8

Sound level spectrum at 1 meter

Model	149								
ACOUSTIC ENCLOSURE	STANDARD								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	80.3	77.3	73	73.1	70.4	63	55.9	77.6
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	62.8	59.8	55.5	55.6	52.9	45.5	38.4	60.1

Sound level spectrum at 1 meter

Model	176								
ACOUSTIC ENCLOSURE	STANDARD								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	81.5	78.5	74.2	74.3	71.6	64.2	57.1	78.8
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	64	61	56.7	56.8	54.1	46.7	39.6	61.3

TECHNICAL DATA MEGR-TF-SL-E – 220/1/60 - 380/3/60

Fans with EC electric motors and LOW-NOISE acoustic enclosure

MODEL		014	019	028	036	045	057
REFRIGERANT		R410A	R410A	R410A	R410A	R410A	R410A
POWER SUPPLY	V/ph/Hz	220/1/60	380/3/60	380/3/60	380/3/60	380/3/60	380/3/60
ACOUSTIC VERSION		SL	SL	SL	SL	SL	SL
CAPACITY (1)	kW	10.8	15.5	21.6	27.4	36.8	45.0
AXIAL FANS "AC"	n.	1	1	1	1	2	2
Total air flow	m³/h	2660	6370	5460	6440	13720	12880
External static pressure	Pa	0	0	0	0	0	0
Total engaged power	kW	0.07	0.14	0.15	0.14	0.28	0.28
Total absorbed current (SA)	A	0.95	2	2	2	4	4
Maximum total engaged power (FLI)	kW	0.21	1	1	1	2	2
Maximum total absorbed current (FLA)	A	0.95	2	2	2	4	4
NET WEIGHT	kg	44	57	69	87	109	124

MODEL		065	074	088	130	149	176
REFRIGERANT		R410A	R410A	R410A	R410A	R410A	R410A
POWER SUPPLY	V/ph/Hz	380/3/60	380/3/60	380/3/60	380/3/60	380/3/60	380/3/60
ACOUSTIC VERSION		SL	SL	SL	SL	SL	SL
CAPACITY (1)	kW	50	56.8	68.3	100	114	137
AXIAL FANS "AC"	n.	2	2	3	4	4	6
Total air flow	m³/h	12110	13300	16940	24220	26600	33880
External static pressure	Pa	0	0	0	0	0	0
Total engaged power	kW	0.29	0.28	0.44	0.58	0.56	0.88
Total absorbed current (SA)	A	4	4	6	8	8	12
Maximum total engaged power (FLI)	kW	2	2	3	4	4	6
Maximum total absorbed current (FLA)	A	4	4	6	8	8	12
NET WEIGHT	kg	140	166	184	307	361	397

1. Referred to condensing temperature at 50°C and ambient air temperature at 35°C.

The units highlighted in this publication contain <HFC R410A [GWP₁₀₀ 2088]> fluorinated greenhouse gas

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ACOUSTIC DATA MEGR-TF-SL-E – 220/1/60 - 380/3/60

Fans with EC electric motors and LOW-NOISE acoustic enclosure

MODEL		014	019	028	036	045	057
REFRIGERANT		R410A	R410A	R410A	R410A	R410A	R410A
POWER SUPPLY	V/ph/Hz	220/1/60	380/3/60	380/3/60	380/3/60	380/3/60	380/3/60
ACOUSTIC VERSION		SL	SL	SL	SL	SL	SL
Sound power level [Lw] ISO 9614-2	dB(A)	57	63	64	63	67	66.5
Average sound pressure level [Lpm] ISO 3744							
At 1 m	dB(A)	43	49	49	48	51	51
At 5 m	dB(A)	31	38	38	38	41	41
At 10 m	dB(A)	26	32	32	32	36	35

MODEL		065	074	088	130	149	176
REFRIGERANT		R410A	R410A	R410A	R410A	R410A	R410A
POWER SUPPLY	V/ph/Hz	380/3/60	380/3/60	380/3/60	380/3/60	380/3/60	380/3/60
ACOUSTIC VERSION		SL	SL	SL	SL	SL	SL
Sound power level [Lw] ISO 9614-2	dB(A)	66	67	68	69	70	71
Average sound pressure level [Lpm] ISO 3744							
At 1 m	dB(A)	50	51	52	52	52	53
At 5 m	dB(A)	40	41	42	43	43	44
At 10 m	dB(A)	35	35	36	38	38	39

SOUND SPECTER MEGR-TF-SL-E – 220/1/60 – 380/3/60

Sound level spectrum at 1 meter

Model		014							L_tot
ACOUSTIC ENCLOSURE		SL							
Frequency	Hz	125	250	500	1000	2000	4000	8000	
Sound Power Level [Lw] ISO 9614-2	dB(A)	64.4	55.5	56.2	51.2	45.5	38.4	27.1	57
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	49.8	41	41.6	36.6	31	23.8	12.6	42.5

Sound level spectrum at 1 meter

Model		019							L_tot
ACOUSTIC ENCLOSURE		SL							
Frequency	Hz	125	250	500	1000	2000	4000	8000	
Sound Power Level [Lw] ISO 9614-2	dB(A)	70.9	62	62.7	57.7	52	44.9	33.6	63.5
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	56	47.1	47.8	42.8	37.1	30	18.7	48.6

Sound level spectrum at 1 meter

Model		028							L_tot
ACOUSTIC ENCLOSURE		SL							
Frequency	Hz	125	250	500	1000	2000	4000	8000	
Sound Power Level [Lw] ISO 9614-2	dB(A)	70.9	62	62.7	57.7	52	44.9	33.6	63.5
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	56	47.1	47.8	42.8	37.1	30	18.7	48.6

Sound level spectrum at 1 meter

Model		036							L_tot
ACOUSTIC ENCLOSURE		SL							
Frequency	Hz	125	250	500	1000	2000	4000	8000	
Sound Power Level [Lw] ISO 9614-2	dB(A)	70.9	62	62.7	57.7	52	44.9	33.6	63.5
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	55.5	46.6	47.3	42.3	36.6	29.5	18.2	48.1

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Sound level spectrum at 1 meter

Model	045								
ACOUSTIC ENCLOSURE	SL								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	74.8	65.9	66.6	61.6	55.9	48.8	37.5	67.4
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	58.8	50	50.6	45.6	40	32.8	21.5	51.4

Sound level spectrum at 1 meter

Model	057								
ACOUSTIC ENCLOSURE	SL								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	74	65.1	65.8	60.8	55.1	48	36.7	66.6
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	58	49.2	49.8	44.8	39.2	32	20.7	50.6

Sound level spectrum at 1 meter

Model	065								
ACOUSTIC ENCLOSURE	SL								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	73.6	64.7	65.4	60.4	54.7	47.6	36.3	66.2
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	57.6	48.8	49.4	44.4	38.8	31.6	20.3	50.2

Sound level spectrum at 1 meter

Model	074								
ACOUSTIC ENCLOSURE	SL								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	74.3	65.4	66.1	61.1	55.4	48.3	37	66.9
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	57.9	49.1	49.7	44.7	39.1	31.9	20.6	50.5

Sound level spectrum at 1 meter

Model	088								
ACOUSTIC ENCLOSURE	SL								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	75.4	66.5	67.2	62.2	56.5	49.4	38.1	68
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	59	50.2	50.8	45.8	40.2	33	21.7	51.6

Sound level spectrum at 1 meter

Model	130								
ACOUSTIC ENCLOSURE	SL								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	76.6	67.7	68.4	63.4	57.7	50.6	39.3	69.2
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	59.4	50.5	51.2	46.2	40.5	33.4	22.1	52

Sound level spectrum at 1 meter

Model	149								
ACOUSTIC ENCLOSURE	SL								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	77.3	68.4	69.1	64.1	58.4	51.3	40	69.9
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	59.7	50.8	51.5	46.5	40.9	33.7	22.5	52.4

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Sound level spectrum at 1 meter

Model	176								
ACOUSTIC ENCLOSURE	SL								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	78.4	69.5	70.2	65.2	59.5	52.4	41.1	71
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	60.8	52	52.6	47.6	42	34.8	23.6	53.5

TECHNICAL DATA MEGR-TF-E – 265/1/60 - 460/3/60

Fans with EC electric motors and STANDARD acoustic enclosure

MODEL		014	019	028	036	045	057
REFRIGERANT		R410A	R410A	R410A	R410A	R410A	R410A
POWER SUPPLY	V/ph/Hz	265/1/60	460/3/60	460/3/60	460/3/60	460/3/60	460/3/60
ACOUSTIC VERSION		STANDARD	STANDARD	STANDARD	STANDARD	STANDARD	STANDARD
CAPACITY (1)	kW	14	19.2	27.9	35.7	45.7	57.3
AXIAL FANS "AC"	n.	1	1	1	1	2	2
Total air flow	m ³ /h	3800	9100	7800	9200	19600	18400
External static pressure	Pa	0	0	0	0	0	0
Total engaged power	kW	0.19	0.41	0.43	0.4	0.8	0.82
Total absorbed current (SA)	A	0,79	1,67	1,67	1,67	3,34	3,34
Maximum total engaged power (FLI)	kW	0,21	1	1	1	2	2
Maximum total absorbed current (FLA)	A	0,79	1,67	1,67	1,67	3,34	3,34
NET WEIGHT	kg	43	56	68	86	107	122

MODEL		065	074	088	130	149	176
REFRIGERANT		R410A	R410A	R410A	R410A	R410A	R410A
POWER SUPPLY	V/ph/Hz	460/3/60	460/3/60	460/3/60	460/3/60	460/3/60	460/3/60
ACOUSTIC VERSION		STANDARD	STANDARD	STANDARD	STANDARD	STANDARD	STANDARD
CAPACITY (1)	kW	64.9	74.3	88	130	149	176
AXIAL FANS "AC"	n.	2	2	3	4	4	6
Total air flow	m ³ /h	17300	19000	24200	34600	38000	48400
External static pressure	Pa	0	0	0	0	0	0
Total engaged power	kW	0.83	0.8	1.28	1.66	1.6	2.6
Total absorbed current (SA)	A	3,34	3,34	5,01	6,68	6,68	10,02
Maximum total engaged power (FLI)	kW	2	2	3	4	4	6
Maximum total absorbed current (FLA)	A	3,34	3,34	5,01	6,68	6,68	10,02
NET WEIGHT	kg	138	164	182	304	357	393
MODEL							

1. Referred to condensing temperature at 50°C and ambient air temperature at 35°C.
The units highlighted in this publication contain <HFC R410A [GWP₁₀₀ 2088]> fluorinated greenhouse gas

ACOUSTIC DATA MEGR-TF-E – 265/1/60 - 460/3/60

Fans with EC electric motors and STANDARD acoustic enclosure

MODEL		014	019	028	036	045	057
REFRIGERANT		R410A	R410A	R410A	R410A	R410A	R410A
POWER SUPPLY	V/ph/Hz	265/1/60	460/3/60	460/3/60	460/3/60	460/3/60	460/3/60
ACOUSTIC VERSION		STANDARD	STANDARD	STANDARD	STANDARD	STANDARD	STANDARD
Sound power level [Lw] ISO 9614-2	dB(A)	65	71	71	71	75	74
Average sound pressure level [Lpm] ISO 3744							
At 1 m	dB(A)	50	56	56	56	59	58
At 5 m	dB(A)	39	45	45	45	49	48
At 10 m	dB(A)	33	40	40	40	44	43

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MODEL		065	074	088	130	149	176
REFRIGERANT		R410A	R410A	R410A	R410A	R410A	R410A
POWER SUPPLY	V/ph/Hz	460/3/60	460/3/60	460/3/60	460/3/60	460/3/60	460/3/60
ACOUSTIC VERSION		STANDARD	STANDARD	STANDARD	STANDARD	STANDARD	STANDARD
Sound power level [Lw] ISO 9614-2	dB(A)	74	75	76	77	78	79
Average sound pressure level [Lpm] ISO 3744							
At 1 m	dB(A)	58	58	59	60	60	61
At 5 m	dB(A)	48	48	50	51	51	52
At 10 m	dB(A)	43	43	44	45	46	47

SOUND SPECTER MEGR-TF-E – 265/1/60 – 460/3/60

Sound level spectrum at 1 meter

Model		014							
ACOUSTIC ENCLOSURE		STANDARD							
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	67.4	64.4	60.1	60.2	57.5	50.1	43	64.7
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	52.9	49.9	45.6	45.7	43	35.6	28.5	50.2

Sound level spectrum at 1 meter

Model		019							
ACOUSTIC ENCLOSURE		STANDARD							
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	73.9	70.9	66.6	66.7	64	56.6	49.5	71.2
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	59	56	51.7	51.8	49.1	41.7	34.6	56.3

Sound level spectrum at 1 meter

Model		028							
ACOUSTIC ENCLOSURE		STANDARD							
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	73.9	70.9	66.6	66.7	64	56.6	49.5	71.2
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	59	56	51.7	51.8	49.1	41.7	34.6	56.3

Sound level spectrum at 1 meter

Model		036							
ACOUSTIC ENCLOSURE		STANDARD							
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	73.9	70.9	66.6	66.7	64	56.6	49.5	71.2
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	58.5	55.5	51.2	51.3	48.6	41.2	34.1	55.8

Sound level spectrum at 1 meter

Model		045							
ACOUSTIC ENCLOSURE		STANDARD							
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	77.7	74.7	70.4	70.5	67.8	60.4	53.3	75
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	61.8	58.8	54.5	54.6	51.9	44.5	37.4	59

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Sound level spectrum at 1 meter

Model	057								
ACOUSTIC ENCLOSURE	<small>STANDARD</small>								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	77.1	74.1	69.8	69.9	67.2	59.8	52.7	74.4
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	61.2	58.2	53.9	54	51.3	43.9	36.8	58.4

Sound level spectrum at 1 meter

Model	065								
ACOUSTIC ENCLOSURE	<small>STANDARD</small>								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	76.7	73.7	69.4	69.5	66.8	59.4	52.3	74
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	60.8	57.8	53.5	53.6	50.9	43.5	36.4	58

Sound level spectrum at 1 meter

Model	074								
ACOUSTIC ENCLOSURE	<small>STANDARD</small>								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	77.3	74.3	70	70.1	67.4	60	52.9	74.6
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	61	57.9	53.7	53.8	51.1	43.7	36.6	58.2

Sound level spectrum at 1 meter

Model	088								
ACOUSTIC ENCLOSURE	<small>STANDARD</small>								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	78.5	75.5	71.2	71.3	68.6	61.2	54.1	75.8
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	62.2	59.1	54.9	55	52.3	44.9	37.8	59.4

Sound level spectrum at 1 meter

Model	130								
ACOUSTIC ENCLOSURE	<small>STANDARD</small>								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	79.7	76.7	72.4	72.5	69.8	62.4	55.3	77
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	62.6	59.5	55.2	55.3	52.7	45.2	38.1	59.8

Sound level spectrum at 1 meter

Model	149								
ACOUSTIC ENCLOSURE	<small>STANDARD</small>								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	80.3	77.3	73	73.1	70.4	63	55.9	77.6
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	62.8	59.8	55.5	55.6	52.9	45.5	38.4	60.1

Sound level spectrum at 1 meter

Model	176								
ACOUSTIC ENCLOSURE	<small>STANDARD</small>								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	81.5	78.5	74.2	74.3	71.6	64.2	57.1	78.8
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	64	61	56.7	56.8	54.1	46.7	39.6	61.3

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TECHNICAL DATA MEGR-TF-SL-E – 265/1/60 - 460/3/60

Fans with EC electric motors and LOW-NOISE acoustic enclosure

MODEL		014	019	028	036	045	057
REFRIGERANT		R410A	R410A	R410A	R410A	R410A	R410A
POWER SUPPLY	V/ph/Hz	265/1/60	460/3/60	460/3/60	460/3/60	460/3/60	460/3/60
ACOUSTIC VERSION		SL	SL	SL	SL	SL	SL
CAPACITY (1)	kW	10.8	15.5	21.6	27.4	36.8	45.0
AXIAL FANS "AC"	n.	1	1	1	1	2	2
Total air flow	m ³ /h	2660	6370	5460	6440	13720	12880
External static pressure	Pa	0	0	0	0	0	0
Total engaged power	kW	0.07	0.14	0.15	0.14	0.28	0.28
Total absorbed current (SA)	A	0,79	1,67	1,67	1,67	3,34	3,34
Maximum total engaged power (FLI)	kW	0,21	1	1	1	2	2
Maximum total absorbed current (FLA)	A	0,79	1,67	1,67	1,67	3,34	3,34
NET WEIGHT	kg	44	57	69	87	109	124

MODEL		065	074	088	130	149	176
REFRIGERANT		R410A	R410A	R410A	R410A	R410A	R410A
POWER SUPPLY	V/ph/Hz	460/3/60	460/3/60	460/3/60	460/3/60	460/3/60	460/3/60
ACOUSTIC VERSION		SL	SL	SL	SL	SL	SL
CAPACITY (1)	kW	50	56.8	68.3	100	114	137
AXIAL FANS "AC"	n.	2	2	3	4	4	6
Total air flow	m ³ /h	12110	13300	16940	24220	26600	33880
External static pressure	Pa	0	0	0	0	0	0
Total engaged power	kW	0.29	0.28	0.44	0.58	0.56	0.88
Total absorbed current (SA)	A	3,34	3,34	5,01	6,68	6,68	10,02
Maximum total engaged power (FLI)	kW	2	2	3	4	4	6
Maximum total absorbed current (FLA)	A	3,34	3,34	5,01	6,68	6,68	10,02
NET WEIGHT	kg	140	166	184	307	361	397

1. Referred to condensing temperature at 50°C and ambient air temperature at 35°C.
The units highlighted in this publication contain <HFC R410A [GWP₁₀₀ 2088]> fluorinated greenhouse gas

ACOUSTIC DATA MEGR-TF-SL-E – 265/1/60 - 460/3/60

Fans with EC electric motors and LOW-NOISE acoustic enclosure

MODEL		014	019	028	036	045	057
REFRIGERANT		R410A	R410A	R410A	R410A	R410A	R410A
POWER SUPPLY	V/ph/Hz	265/1/60	460/3/60	460/3/60	460/3/60	460/3/60	460/3/60
ACOUSTIC VERSION		SL	SL	SL	SL	SL	SL
Sound power level [Lw] ISO 9614-2	dB(A)	57	63	64	63	67	66.5
Average sound pressure level [Lpm] ISO 3744							
At 1 m	dB(A)	43	49	49	48	51	51
At 5 m	dB(A)	31	38	38	38	41	41
At 10 m	dB(A)	26	32	32	32	36	35

MODEL		065	074	088	130	149	176
REFRIGERANT		R410A	R410A	R410A	R410A	R410A	R410A
POWER SUPPLY	V/ph/Hz	460/3/60	460/3/60	460/3/60	460/3/60	460/3/60	460/3/60
ACOUSTIC VERSION		SL	SL	SL	SL	SL	SL
Sound power level [Lw] ISO 9614-2	dB(A)	66	67	68	69	70	71
Average sound pressure level [Lpm] ISO 3744							
At 1 m	dB(A)	50	51	52	52	52	53
At 5 m	dB(A)	40	41	42	43	43	44
At 10 m	dB(A)	35	35	36	38	38	39

SOUND SPECTER MEGR-TF-SL-E – 265/1/60 – 460/3/60

Sound level spectrum at 1 meter

Model	014								
ACOUSTIC ENCLOSURE	SL								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	64.4	55.5	56.2	51.2	45.5	38.4	27.1	57
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	49.8	41	41.6	36.6	31	23.8	12.6	42.5

Sound level spectrum at 1 meter

Model	019								
ACOUSTIC ENCLOSURE	SL								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	70.9	62	62.7	57.7	52	44.9	33.6	63.5
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	56	47.1	47.8	42.8	37.1	30	18.7	48.6

Sound level spectrum at 1 meter

Model	028								
ACOUSTIC ENCLOSURE	SL								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	70.9	62	62.7	57.7	52	44.9	33.6	63.5
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	56	47.1	47.8	42.8	37.1	30	18.7	48.6

Sound level spectrum at 1 meter

Model	036								
ACOUSTIC ENCLOSURE	SL								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	70.9	62	62.7	57.7	52	44.9	33.6	63.5
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	55.5	46.6	47.3	42.3	36.6	29.5	18.2	48.1

Sound level spectrum at 1 meter

Model	045								
ACOUSTIC ENCLOSURE	SL								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	74.8	65.9	66.6	61.6	55.9	48.8	37.5	67.4
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	58.8	50	50.6	45.6	40	32.8	21.5	51.4

Sound level spectrum at 1 meter

Model	057								
ACOUSTIC ENCLOSURE	SL								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	74	65.1	65.8	60.8	55.1	48	36.7	66.6
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	58	49.2	49.8	44.8	39.2	32	20.7	50.6

Sound level spectrum at 1 meter

Model	065								
ACOUSTIC ENCLOSURE	SL								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	73.6	64.7	65.4	60.4	54.7	47.6	36.3	66.2
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	57.6	48.8	49.4	44.4	38.8	31.6	20.3	50.2

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Sound level spectrum at 1 meter

Model	074								
ACOUSTIC ENCLOSURE	SL								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	74.3	65.4	66.1	61.1	55.4	48.3	37	66.9
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	57.9	49.1	49.7	44.7	39.1	31.9	20.6	50.5

Sound level spectrum at 1 meter

Model	088								
ACOUSTIC ENCLOSURE	SL								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	75.4	66.5	67.2	62.2	56.5	49.4	38.1	68
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	59	50.2	50.8	45.8	40.2	33	21.7	51.6

Sound level spectrum at 1 meter

Model	130								
ACOUSTIC ENCLOSURE	SL								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	76.6	67.7	68.4	63.4	57.7	50.6	39.3	69.2
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	59.4	50.5	51.2	46.2	40.5	33.4	22.1	52

Sound level spectrum at 1 meter

Model	149								
ACOUSTIC ENCLOSURE	SL								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	77.3	68.4	69.1	64.1	58.4	51.3	40	69.9
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	59.7	50.8	51.5	46.5	40.9	33.7	22.5	52.4

Sound level spectrum at 1 meter

Model	176								
ACOUSTIC ENCLOSURE	SL								
Frequency	Hz	125	250	500	1000	2000	4000	8000	L_tot
Sound Power Level [Lw] ISO 9614-2	dB(A)	78.4	69.5	70.2	65.2	59.5	52.4	41.1	71
Average Level Sound Pressure [Lpm] ISO 3744	dB(A)	60.8	52	52.6	47.6	42	34.8	23.6	53.5

DIMENSIONS AND REFRIGERANT CONNECTIONS

MICROCHANNEL COIL

MODEL		013	015	024	027	034	049
A - Length	mm	840	840	1220	1220	1430	2110
B - Width	mm	718	718	718	718	718	718
H - Height	mm	900	900	900	900	1100	1100
REFRIGERANT CONNECTIONS							
Liquid - ODS	Ø mm	12	12	16	16	16	18
Gas - ODS	Ø mm	16	16	18	18	18	22

MODEL		055	067	082	110	134	164
A - Length	mm	2110	2670	2670	2280	2835	2849
B - Width	mm	718	718	718	2200	2200	2200
H - Height	mm	1100	1100	1100	1168	1168	1168
REFRIGERANT CONNECTIONS							
Liquid - ODS	Ø mm	18	18	22	22 (*)	22 (*)	28 (*)
Gas - ODS	Ø mm	22	22	28	28 (*)	28 (*)	35 (*)

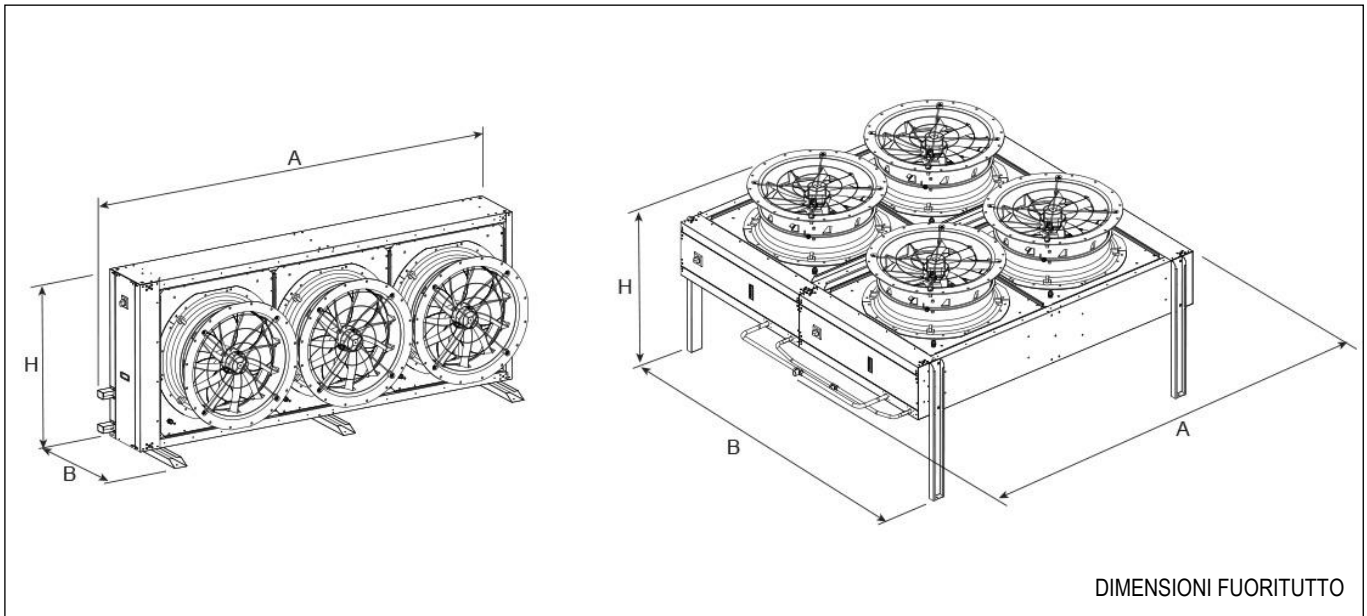
(*) Riferito al collettore.

TUBE AND FINS COIL

MODEL		014	019	028	036	045	057
A - Length	mm	770	1150	1150	1360	2040	2040
B - Width	mm	718	718	718	718	718	718
H - Height	mm	900	900	900	1100	1100	1100
REFRIGERANT CONNECTIONS							
Liquid - ODS	Ø mm	12	16	16	18	22	22
Gas - ODS	Ø mm	16	18	18	22	28	28

MODEL		065	074	088	130	149	176
A - Length	mm	2040	2600	2600	2067	2600	2600
B - Width	mm	718	718	718	2120	2120	2120
H - Height	mm	1100	1100	1100	1166	1166	1166
REFRIGERANT CONNECTIONS							
Liquid - ODS	Ø mm	22	22	22	28 (*)	28 (*)	28 (*)
Gas - ODS	Ø mm	28	28	28	35 (*)	35 (*)	35 (*)

(*) Riferito al collettore



REFRIGERANT CHARGE

MICROCHANNEL COIL

The condenser is supplied with sealing charge. **A refrigerant gas charge must be made.**

The tables show the refrigerant charge to be integrated for the condenser only: the indoor unit, connecting piping and any accessories are excluded.

MODEL		013	015	024	027	034	049
REFRIGERANT		R410A	R410A	R410A	R410A	R410A	R410A
Refrigerant charge	kg	0,50	0,50	0,85	0,85	1,30	2,07
F Gas - CO ₂ equivalent (R410A)	t	1,044	1,044	1,774	1,774	2,704	4,322

MODEL		055	067	082	110	134	164
REFRIGERANT		R410A	R410A	R410A	R410A	R410A	R410A
Refrigerant charge	kg	2,07	2,56	2,56	4,14	5,12	5,12
F Gas - CO ₂ equivalent (R410A)	t	4,322	5,354	5,354	6,844	10,690	10,690

TUBE AND FINS COIL

The condenser is supplied with sealing charge. **A refrigerant gas charge must be made.**

The tables show the refrigerant charge to be integrated for the condenser only: the indoor unit, connecting piping and any accessories are excluded.

MODEL		014	019	028	036	045	057
REFRIGERANTE		R410A	R410A	R410A	R410A	R410A	R410A
Carica refrigerante	kg	0,8	0,7	1,5	2,3	1,9	2,7
F Gas - CO ₂ equivalente (R410A)	t	1,67	1,46	3,13	4,8	3,97	5,64

MODEL		065	074	088	130	149	176
REFRIGERANTE		R410A	R410A	R410A	R410A	R410A	R410A
Carica refrigerante	kg	3,8	4,9	4,9	7,6	9,7	9,7
F Gas - CO ₂ equivalente (R410A)	t	7,93	10,23	10,23	15,87	20,25	20,25

RECOMMENDED REFRIGERATION LINES

Recommended refrigerant line diameters for connection to MEHITS S.p.A. air conditioners and refer to the "EQUIVALENT LENGTH".

Please always refer to the "INSTALLATION SCHEME " to correctly select all necessary components.

Verify the need to use pressure limiting devices (safety valves) where not already required by Directive 2014/68/EU.

Nominal diameter: Refrigerant connection of the indoor unit. In some cases, the diameter of refrigerant lines may not correspond with the nominal diameter. This is completely normal; simply provide a reduction fitting to match the diameter.

"SI" INTERNATIONAL SYSTEM PIPING DIAMETERS

System SI	Diameter thickness	mm	6	8	10	12	16	18	22	28	35
	mm		1	1	1	1	1	1	1	1,5	1,5

INVERTER COMPRESSOR

Model	Line	Diameter Nominal Ø [mm]	EQUIVALENT LENGTH [m] FOR R410A INVERTER COMPRESSORS.																			
			5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100
25	Gas	16	18	18	18	18	18	18	22	22	22	22	22	22	22	22	22	22	22	22	22	22
	Liquid	16	16	16	16	16	16	16	18	18	18	18	18	18	18	18	18	18	18	18	18	18
40	Gas	18	18	18	18	18	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
	Liquid	16	18	18	18	18	18	18	22	22	22	22	22	22	22	22	22	22	22	22	22	22
12 M1 S	Gas	12	12	12	12	12	12	12	16	16	16	16	16	16	16	16	16	16	16	16	16	16
	Liquid	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
18 M1 S	Gas	16	16	16	16	16	16	16	18	18	18	18	18	18	18	18	18	18	18	18	18	18
	Liquid	12	12	12	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
22 M1 S	Gas	16	16	16	16	16	16	16	18	18	18	18	18	18	18	18	18	18	18	18	18	18
	Liquid	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
30 M1 S	Gas	18	18	18	18	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
	Liquid	16	16	16	16	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
47 M1 S	Gas	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
	Liquid	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
42 M2 D	Gas	2x 16	2x 16	2x 16	2x 16	2x 16	2x 16	2x 16	2x 18	2x 18	2x 18	2x 18	2x 18	2x 18	2x 18	2x 18	2x 18	2x 18	2x 18	2x 18	2x 18	2x 18
	Liquid	2x 16	2x 16	2x 16	2x 16	2x 16	2x 16	2x 16	2x 16	2x 16	2x 16	2x 16	2x 16	2x 16	2x 16	2x 16	2x 16	2x 16	2x 16	2x 16	2x 16	2x 16
68 M2 D	Gas	2x 18	2x 18	2x 18	2x 18	2x 18	2x 22	2x 22	2x 22	2x 22	2x 22	2x 22	2x 22	2x 22	2x 22	2x 22	2x 22	2x 22	2x 22	2x 22	2x 22	2x 22
	Liquid	2x 16	2x 16	2x 16	2x 16	2x 18	2x 18	2x 18	2x 18	2x 18	2x 18	2x 18	2x 18	2x 18	2x 18	2x 18	2x 18	2x 18	2x 18	2x 18	2x 18	2x 18
94 M2 D	Gas	2x 22	2x 22	2x 22	2x 22	2x 22	2x 22	2x 22	2x 22	2x 22	2x 22	2x 22	2x 22	2x 22	2x 22	2x 22	2x 22	2x 22	2x 22	2x 22	2x 22	2x 22
	Liquid	2x 22	2x 22	2x 22	2x 22	2x 22	2x 22	2x 22	2x 22	2x 22	2x 22	2x 22	2x 22	2x 22	2x 22	2x 22	2x 22	2x 22	2x 22	2x 22	2x 22	2x 22
120 M4 D	Gas	2x 22	2x 22	2x 22	2x 22	2x 22	2x 22	2x 22	2x 22	2x 22	2x 22	2x 22	2x 22	2x 22	2x 22	2x 22	2x 22	2x 22	2x 22	2x 22	2x 22	2x 22
	Liquid	2x 22	2x 22	2x 22	2x 22	2x 22	2x 22	2x 22	2x 22	2x 22	2x 22	2x 22	2x 22	2x 22	2x 22	2x 22	2x 22	2x 22	2x 22	2x 22	2x 22	2x 22
150 M4 D	Gas	2x 28	2x 22	2x 22	2x 22	2x 22	2x 22	2x 22	2x 28	2x 28	2x 28	2x 28	2x 28	2x 28	2x 28	2x 28	2x 28	2x 28	2x 28	2x 28	2x 28	2x 28
	Liquid	2x 22	2x 22	2x 22	2x 22	2x 22	2x 22	2x 22	2x 22	2x 22	2x 22	2x 22	2x 22	2x 22	2x 22	2x 22	2x 22	2x 22	2x 22	2x 22	2x 22	2x 22

For equivalent pipe lengths of more than 100m, please contact the manufacturer's sales office

COMPRESSOR ON/OFF

Model	Line	Diameter Nominal Ø [mm]	EQUIVALENT LENGTH [m] FOR R410A INVERTER COMPRESSORS.												
			5	10	15	20	25	30	35	40	45	50			
007 P1 S	Gas	12	12	12	12	12	12	12	12	12	12	12	12	12	12
	Liquid	12	12	12	12	12	12	12	12	12	12	12	12	12	12
009 P1 S	Gas	12	12	12	12	12	12	12	12	12	12	12	12	12	12
	Liquid	12	12	12	12	12	12	12	12	12	12	12	12	12	12
011 P1 S	Gas	12	12	12	12	12	12	12	16	16	16	16	16	16	16
	Liquid	12	12	12	12	12	12	12	12	12	12	12	12	12	12
014 P1 S	Gas	16	16	16	16	16	16	16	16	16	16	16	16	16	16
	Liquid	12	12	12	12	12	12	12	16	16	16	16	16	16	16
016 P1 S	Gas	16	16	16	16	16	16	16	16	16	16	16	16	16	16
	Liquid	12	12	12	12	12	12	16	16	16	16	16	16	16	16
020 P1 S	Gas	16	16	16	16	16	16	16	16	16	16	16	18	18	18
	Liquid	16	16	16	16	16	16	16	16	16	16	16	16	16	16
022 P1 S	Gas	16	16	16	16	16	16	16	16	16	16	18	18	18	18
	Liquid	16	16	16	16	16	16	16	16	16	16	16	16	16	16

TECHNICAL DATA

MEGR-MC

Data Book
DB_MEGR_092022_EN_REV00

026	Gas	22	18	18	18	18	18	18	18	18	22	22
P1 S	Liquid	16	16	16	16	16	16	16	16	18	18	18
032	Gas	22	18	18	18	18	18	22	22	22	22	22
P1 S	Liquid	16	16	16	16	16	16	18	18	18	18	18
037	Gas	22	18	18	18	18	22	22	22	22	22	22
P1 S	Liquid	16	16	16	16	16	18	18	18	18	18	18
041	Gas	22	22	22	22	22	22	22	22	22	22	22
P1 S	Liquid	22	22	22	22	22	22	22	22	22	22	22
045	Gas	22	22	22	22	22	22	22	22	22	22	22
P1 S	Liquid	22	22	22	22	22	22	22	22	22	22	22
039	Gas	2x 16	2x 16	2x 16	2x 16	2x 16	2x 16	2x 16	2x 16	2x 16	2x 18	2x 18
P2 D	Liquid	2x 16	2x 16	2x 16	2x 16	2x 16	2x 16	2x 16	2x 16	2x 16	2x 16	2x 16
048	Gas	2x 16	2x 16	2x 16	2x 16	2x 16	2x 16	2x 18	2x 18	2x 18	2x 18	2x 18
P2 D	Liquid	2x 16	2x 16	2x 16	2x 16	2x 16	2x 16	2x 16	2x 16	2x 16	2x 18	2x 18
055	Gas	2x 22	2x 18	2x 18	2x 18	2x 18	2x 18	2x 18	2x 18	2x 18	2x 22	2x 22
P2 D	Liquid	2x 16	2x 16	2x 16	2x 16	2x 16	2x 16	2x 16	2x 16	2x 16	2x 18	2x 18
062	Gas	2x 22	2x 18	2x 18	2x 18	2x 18	2x 18	2x 18	2x 22	2x 22	2x 22	2x 22
P2 D	Liquid	2x 16	2x 16	2x 16	2x 16	2x 16	2x 16	2x 18	2x 18	2x 18	2x 18	2x 18
075	Gas	2x 22	2x 22	2x 22	2x 22	2x 22	2x 22	2x 22	2x 22	2x 22	2x 22	2x 22
P2 D	Liquid	2x 22	2x 22	2x 22	2x 22	2x 22	2x 22	2x 22	2x 22	2x 22	2x 22	2x 22
082	Gas	2x 22	2x 22	2x 22	2x 22	2x 22	2x 22	2x 22	2x 22	2x 22	2x 22	2x 22
P2 D	Liquid	2x 22	2x 22	2x 22	2x 22	2x 22	2x 22	2x 22	2x 22	2x 22	2x 22	2x 22
092	Gas	2x 22	2x 22	2x 22	2x 22	2x 22	2x 22	2x 22	2x 22	2x 22	2x 22	2x 22
P2 D	Liquid	2x 22	2x 22	2x 22	2x 22	2x 22	2x 22	2x 22	2x 22	2x 22	2x 22	2x 22
102	Gas	2x 22	2x 22	2x 22	2x 22	2x 22	2x 22	2x 22	2x 22	2x 22	2x 28	2x 28
P2 D	Liquid	2x 22	2x 22	2x 22	2x 22	2x 22	2x 22	2x 22	2x 22	2x 22	2x 22	2x 22
117	Gas	2x 28	2x 22	2x 22	2x 22	2x 22	2x 22	2x 22	2x 28	2x 28	2x 28	2x 28
P4 D	Liquid	2x 22	2x 22	2x 22	2x 22	2x 22	2x 22	2x 22	2x 22	2x 22	2x 22	2x 22
146	Gas	2x 28	2x 22	2x 22	2x 22	2x 22	2x 28	2x 28	2x 28	2x 28	2x 28	2x 28
P4 D	Liquid	2x 22	2x 22	2x 22	2x 22	2x 22	2x 22	2x 22	2x 28	2x 28	2x 28	2x 28

For equivalent pipe lengths of more than 100m, please contact the manufacturer's sales office

INVERTER COMPRESSOR x-MEXT

Model	Line	Diameter Nominal Ø [mm]	EQUIVALENT LENGTH [m] FOR R410A INVERTER COMPRESSORS.																
			5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85
29 M	Gas	18	18						22										
	Liquid	16	16						18										
40 M	Gas	22	22																
	Liquid	18	18						22										
51 M	Gas	22	22						28										
	Liquid	18	18						22										
52 L	Gas	22	22						28										
	Liquid	18	18						22										
67 L	Gas	28	28																
	Liquid	18	18						22										
76 L	Gas	28	28																
	Liquid	18	18						22										
78 XL	Gas	2x22	2x 22																
	Liquid	2x18	2x 18						2x 22										
90 XL	Gas	2x 22	2x 22																
	Liquid	2x 18	2x 18						2x 22										
108 XL	Gas	2x 28	2x 28																
	Liquid	2x 18	2x 18						2x 22										
140 XL	Gas	2x 28	2x 28																
	Liquid	2x 18	2x 18						2x 22										

For equivalent pipe lengths of more than 100m, please contact the manufacturer's sales office

COMPRESSORI ON/OFF x-MEXT

MODEL		P_nom [kW]	Ø Nominale [mm]	Lunghezza equivalente [m]										
				5	10	15	20	25	30	35	40	45	50	75
035	Gas delivery	34,64	18	Ø 18 mm				Ø 22 mm						
	Liquid return		16	Ø 16 mm			Ø 18 mm				Ø 22 mm			
038	Gas delivery	38,43	18	Ø 18 mm			Ø 22 mm							
	Liquid return		16	Ø 16 mm				Ø 18 mm			Ø 22 mm			
042	Gas delivery	42,33	22	Ø 22 mm						Ø 28 mm				
	Liquid return		18	Ø 18 mm				Ø 22 mm						
047	Gas delivery	47,96	22	Ø 22 mm					Ø 28 mm					
	Liquid return		18	Ø 18 mm				Ø 22 mm						
048	Gas delivery	48,13	22	Ø 22 mm						Ø 28 mm				
	Liquid return		18	Ø 18 mm				Ø 22 mm						
054	Gas delivery	54,35	22	Ø 22 mm					Ø 28 mm					
	Liquid return		18	Ø 18 mm				Ø 22 mm						
061	Gas delivery	61,55	22	Ø 22 mm						Ø 28 mm				
	Liquid return		18	Ø 18 mm				Ø 22 mm						
070	Gas delivery	70,39	28	Ø 22 mm			Ø 28 mm							
	Liquid return		18	Ø 18 mm		Ø 22 mm					Ø 28 mm			
075	Gas delivery	75,79	28	Ø 22 mm			Ø 28 mm							
	Liquid return		18	Ø 18 mm		Ø 22 mm					Ø 28 mm			
076	Gas delivery	76,09	2x18	Ø 18 mm			Ø 22 mm							
	Liquid return		2x16	Ø 16 mm				Ø 18 mm			Ø 22 mm			
085	Gas delivery	85,51	2x22	Ø 22 mm						Ø 28 mm				
	Liquid return		2x18	Ø 18 mm				Ø 22 mm						
098	Gas delivery	98,69	2x22	Ø 22 mm					Ø 28 mm					
	Liquid return		2x18	Ø 18 mm				Ø 22 mm						
125	Gas delivery	125,7	2x28	Ø 22 mm			Ø 28 mm							
	Liquid return		2x18	Ø 18 mm		Ø 22 mm					Ø 28 mm			
136	Gas delivery	136	2x28	Ø 22 mm			Ø 28 mm							
	Liquid return		2x18	Ø 18 mm		Ø 22 mm					Ø 28 mm			

For equivalent pipe lengths of more than 100m, please contact the manufacturer's sales office

"IMPERIAL" SYSTEM PIPING DIAMETERS

IMPERIAL System	Diameter	inch	1/4"	3/8"	1/2"	5/8"	3/4"	7/8"	1"	1 1/8"	1 3/8"
		thickness	mm	6,35	9,52	12,7	15,87	19,05	22,22	25,4	28,57

COMPRESSORI INVERTER

Model	Line	Diameter Nominale Ø [mm]	EQUIVALENT LENGTH [ft] FOR R410A INVERTER COMPRESSORS																			
			15	35	50	65	80	100	115	130	150	165	180	195	215	230	245	260	280	295	310	330
25	Gas	16	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	7/8"	7/8"	7/8"	7/8"	7/8"	7/8"	7/8"	7/8"	7/8"	7/8"	7/8"	7/8"	7/8"
	Liquid	16	5/8"	5/8"	5/8"	5/8"	5/8"	5/8"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"
40	Gas	18	3/4"	3/4"	3/4"	3/4"	7/8"	7/8"	7/8"	7/8"	7/8"	7/8"	7/8"	7/8"	7/8"	7/8"	7/8"	7/8"	7/8"	7/8"	7/8"	7/8"
	Liquid	16	5/8"	5/8"	5/8"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"
12 M1 S	Gas	12	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	5/8"	5/8"	5/8"	5/8"	5/8"	5/8"	5/8"	5/8"	5/8"	5/8"	5/8"	5/8"	5/8"
	Liquid	12	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"
18 M1 S	Gas	16	5/8"	5/8"	5/8"	5/8"	5/8"	5/8"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"
	Liquid	12	1/2"	1/2"	5/8"	5/8"	5/8"	5/8"	5/8"	5/8"	5/8"	5/8"	5/8"	5/8"	5/8"	5/8"	5/8"	5/8"	5/8"	5/8"	5/8"	5/8"
22 M1 S	Gas	16	5/8"	5/8"	5/8"	5/8"	5/8"	5/8"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"
	Liquid	16	5/8"	5/8"	5/8"	5/8"	5/8"	5/8"	5/8"	5/8"	5/8"	5/8"	5/8"	5/8"	5/8"	5/8"	5/8"	5/8"	5/8"	5/8"	5/8"	5/8"
30 M1 S	Gas	18	3/4"	3/4"	3/4"	3/4"	3/4"	7/8"	7/8"	7/8"	7/8"	7/8"	7/8"	7/8"	7/8"	7/8"	7/8"	7/8"	7/8"	7/8"	7/8"	7/8"
	Liquid	16	5/8"	5/8"	5/8"	5/8"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"
47 M1 S	Gas	22	7/8"	7/8"	7/8"	7/8"	7/8"	7/8"	7/8"	7/8"	7/8"	7/8"	7/8"	7/8"	7/8"	7/8"	7/8"	7/8"	7/8"	7/8"	7/8"	7/8"
	Liquid	22	7/8"	7/8"	7/8"	7/8"	7/8"	7/8"	7/8"	7/8"	7/8"	7/8"	7/8"	7/8"	7/8"	7/8"	7/8"	7/8"	7/8"	7/8"	7/8"	7/8"
42 M2 D	Gas	2x 16	2x 5/8"	2x 5/8"	2x 5/8"	2x 5/8"	2x 5/8"	2x 5/8"	2x 3/4"	2x 3/4"	2x 3/4"	2x 3/4"	2x 3/4"	2x 3/4"	2x 3/4"	2x 3/4"	2x 3/4"	2x 3/4"	2x 3/4"	2x 3/4"	2x 3/4"	2x 3/4"
	Liquid	2x 16	2x 5/8"	2x 5/8"	2x 5/8"	2x 5/8"	2x 5/8"	2x 5/8"	2x 5/8"	2x 5/8"	2x 5/8"	2x 5/8"	2x 5/8"	2x 5/8"	2x 5/8"	2x 5/8"	2x 5/8"	2x 5/8"	2x 5/8"	2x 5/8"	2x 5/8"	2x 5/8"

TECHNICAL DATA

MEGR-MC

Data Book
DB_MEGR_092022_EN_REV00

Model	Line	Diameter Nominal Ø [mm]	EQUIVALENT LENGTH [ft] FOR R410A INVERTER COMPRESSORS																			
			15	35	50	65	80	100	115	130	150	165	180	195	215	230	245	260	280	295	310	330
68 M2 D	Gas	2x 18	2x 3/4"	2x 3/4"	2x 3/4"	2x 3/4"	2x 3/4"	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"
	Liquid	2x 16	2x 5/8"	2x 5/8"	2x 5/8"	2x 5/8"	2x 3/4"	2x 3/4"	2x 3/4"	2x 3/4"	2x 3/4"	2x 3/4"	2x 3/4"	2x 3/4"	2x 3/4"	2x 3/4"	2x 3/4"	2x 3/4"	2x 3/4"	2x 3/4"	2x 3/4"	2x 3/4"
94 M2 D	Gas	2x 22	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"	2x 1 1/8"	2x 1 1/8"	2x 1 1/8"	2x 1 1/8"	2x 1 1/8"	2x 1 1/8"	2x 1 1/8"	2x 1 1/8"	2x 1 1/8"	2x 1 1/8"	2x 1 1/8"	2x 1 1/8"
	Liquid	2x 22	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"
120 M4 D	Gas	2x 28	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"	2x 1 1/8"	2x 1 1/8"	2x 1 1/8"	2x 1 1/8"	2x 1 1/8"	2x 1 1/8"	2x 1 1/8"	2x 1 1/8"	2x 1 1/8"	2x 1 1/8"	2x 1 1/8"	2x 1 1/8"
	Liquid	2x 22	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"
150 M4 D	Gas	2x 28	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"	2x 1 1/8"	2x 1 1/8"	2x 1 1/8"	2x 1 1/8"	2x 1 1/8"	2x 1 1/8"	2x 1 1/8"	2x 1 1/8"	2x 1 1/8"	2x 1 1/8"	2x 1 1/8"	2x 1 1/8"	2x 1 1/8"	2x 1 1/8"
	Liquid	2x 22	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"

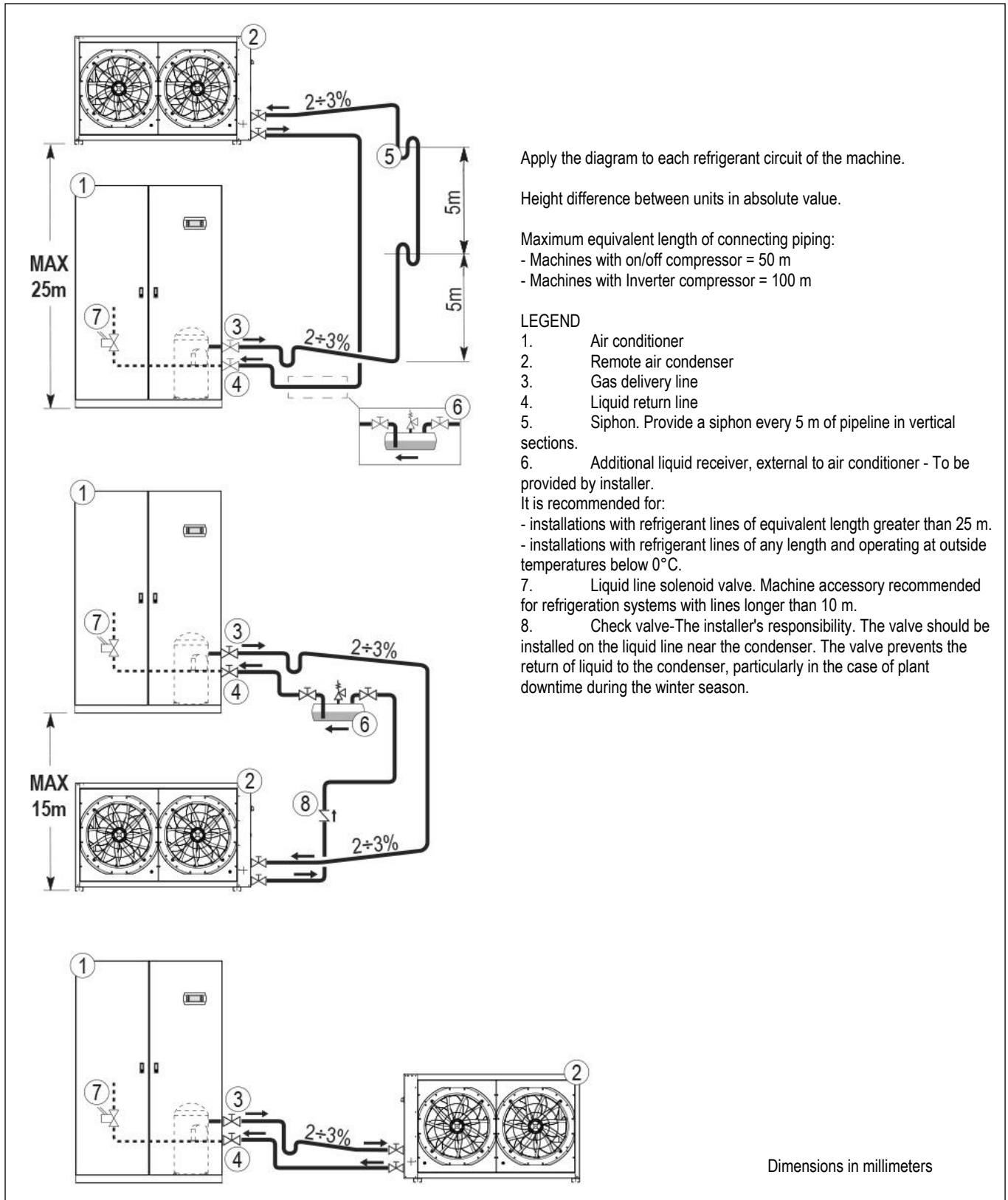
For equivalent pipe lengths greater than 330ft, please contact the manufacturer's sales office.

ON/OFF COMPRESSOR

Model	Line	Diameter nominal Ø [mm]	EQUIVALENT LENGTH [ft] FOR R410A ON/OFF COMPRESSORS											
			15	35	50	65	80	100	115	130	150	165		
007 P1 S	Gas	12	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"
	Liquid	12	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"
009 P1 S	Gas	12	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"
	Liquid	12	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"
011 P1 S	Gas	12	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	5/8"	5/8"	5/8"	5/8"	5/8"	5/8"
	Liquid	12	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"
014 P1 S	Gas	16	5/8"	5/8"	5/8"	5/8"	5/8"	5/8"	5/8"	5/8"	5/8"	5/8"	5/8"	5/8"
	Liquid	12	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	5/8"	5/8"	5/8"	5/8"	5/8"	5/8"
016 P1 S	Gas	16	5/8"	5/8"	5/8"	5/8"	5/8"	5/8"	5/8"	5/8"	5/8"	5/8"	5/8"	5/8"
	Liquid	12	1/2"	1/2"	1/2"	1/2"	1/2"	5/8"	5/8"	5/8"	5/8"	5/8"	5/8"	5/8"
020 P1 S	Gas	16	5/8"	5/8"	5/8"	5/8"	5/8"	5/8"	5/8"	5/8"	3/4"	3/4"	3/4"	3/4"
	Liquid	16	5/8"	5/8"	5/8"	5/8"	5/8"	5/8"	5/8"	5/8"	5/8"	5/8"	5/8"	5/8"
022 P1 S	Gas	16	5/8"	5/8"	5/8"	5/8"	5/8"	5/8"	5/8"	3/4"	3/4"	3/4"	3/4"	3/4"
	Liquid	16	5/8"	5/8"	5/8"	5/8"	5/8"	5/8"	5/8"	5/8"	5/8"	5/8"	5/8"	5/8"
026 P1 S	Gas	22	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	7/8"	7/8"
	Liquid	16	5/8"	5/8"	5/8"	5/8"	5/8"	5/8"	5/8"	3/4"	3/4"	3/4"	3/4"	3/4"
032 P1 S	Gas	22	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	7/8"	7/8"	7/8"	7/8"	7/8"	7/8"
	Liquid	16	5/8"	5/8"	5/8"	5/8"	5/8"	5/8"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"
037 P1 S	Gas	22	3/4"	3/4"	3/4"	3/4"	3/4"	7/8"	7/8"	7/8"	7/8"	7/8"	7/8"	7/8"
	Liquid	16	5/8"	5/8"	5/8"	5/8"	5/8"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"
041 P1 S	Gas	22	7/8"	7/8"	7/8"	7/8"	7/8"	7/8"	7/8"	7/8"	7/8"	7/8"	7/8"	7/8"
	Liquid	22	7/8"	7/8"	7/8"	7/8"	7/8"	7/8"	7/8"	7/8"	7/8"	7/8"	7/8"	7/8"
045 P1 S	Gas	22	7/8"	7/8"	7/8"	7/8"	7/8"	7/8"	7/8"	7/8"	7/8"	7/8"	7/8"	7/8"
	Liquid	22	7/8"	7/8"	7/8"	7/8"	7/8"	7/8"	7/8"	7/8"	7/8"	7/8"	7/8"	7/8"
039 P2 D	Gas	2x 16	2x 5/8"	2x 5/8"	2x 5/8"	2x 5/8"	2x 5/8"	2x 5/8"	2x 5/8"	2x 5/8"	2x 5/8"	2x 5/8"	2x 3/4"	2x 3/4"
	Liquid	2x 16	2x 5/8"	2x 5/8"	2x 5/8"	2x 5/8"	2x 5/8"	2x 5/8"	2x 5/8"	2x 5/8"	2x 5/8"	2x 5/8"	2x 5/8"	2x 5/8"
048 P2 D	Gas	2x 16	2x 5/8"	2x 5/8"	2x 5/8"	2x 5/8"	2x 5/8"	2x 5/8"	2x 3/4"	2x 3/4"	2x 3/4"	2x 3/4"	2x 3/4"	2x 3/4"
	Liquid	2x 16	2x 5/8"	2x 5/8"	2x 5/8"	2x 5/8"	2x 5/8"	2x 5/8"	2x 5/8"	2x 5/8"	2x 5/8"	2x 5/8"	2x 5/8"	2x 5/8"
055 P2 D	Gas	2x 22	2x 3/4"	2x 3/4"	2x 3/4"	2x 3/4"	2x 3/4"	2x 3/4"	2x 3/4"	2x 3/4"	2x 3/4"	2x 3/4"	2x 7/8"	2x 7/8"
	Liquid	2x 16	2x 5/8"	2x 5/8"	2x 5/8"	2x 5/8"	2x 5/8"	2x 5/8"	2x 5/8"	2x 5/8"	2x 5/8"	2x 5/8"	2x 3/4"	2x 3/4"
062 P2 D	Gas	2x 22	2x 3/4"	2x 3/4"	2x 3/4"	2x 3/4"	2x 3/4"	2x 3/4"	2x 3/4"	2x 3/4"	2x 3/4"	2x 3/4"	2x 7/8"	2x 7/8"
	Liquid	2x 16	2x 5/8"	2x 5/8"	2x 5/8"	2x 5/8"	2x 5/8"	2x 5/8"	2x 5/8"	2x 5/8"	2x 5/8"	2x 5/8"	2x 3/4"	2x 3/4"
075 P2 D	Gas	2x 22	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"
	Liquid	2x 22	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"
082 P2 D	Gas	2x 22	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"
	Liquid	2x 22	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"
092 P2 D	Gas	2x 22	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"
	Liquid	2x 22	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"
102 P2 D	Gas	2x 22	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"	2x 1 1/8"	2x 1 1/8"
	Liquid	2x 22	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"
117 P4 D	Gas	2x 28	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"	2x 1 1/8"	2x 1 1/8"	2x 1 1/8"	2x 1 1/8"	2x 1 1/8"
	Liquid	2x 22	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"
146 P4 D	Gas	2x 28	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"	2x 1 1/8"	2x 1 1/8"	2x 1 1/8"	2x 1 1/8"	2x 1 1/8"	2x 1 1/8"	2x 1 1/8"
	Liquid	2x 22	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"	2x 7/8"

For equivalent pipe lengths greater than 330ft, please contact the manufacturer's sales office.

INSTALLATION SCHEME



WARNINGS: It is necessary to supplement refrigerant charge and lubricating oil for connecting piping and remote air condenser.



INSTALLATIONS IN AREAS WITH STRONG WINDS

Installation in areas sheltered from wind is necessary in order to prevent prevailing winds and possible air recirculation from interfering with fan operation and condensation control.

IF IT IS NOT POSSIBLE TO INSTALL THE CONDENSER IN AN AREA PROTECTED FROM THE WIND, INSTALLATION WITH VERTICAL AIRFLOW IS RECOMMENDED.

Horizontal airflow machines

Strong winds (greater than 50 km/h) generate very high forces on the machine structure. It is therefore necessary to counteract these forces with appropriate anorages to the support structures as shown below:

BOUNDARY REACTIONS TO STRONG WIND

MICROCHANNEL COIL

MODEL		013	015	024	027	034	049
Tensile reaction of the single bolt	N	886,1	886,1	1349,0	1349,0	1612,4	2424,6
Bolt quantity	n.	4	4	4	4	4	6
Bolt class		8.8	8.8	8.8	8.8	8.8	8.8
Bolt type		M8	M8	M8	M8	M8	M8

MODEL		055	067	082	110	134	164
Tensile reaction of the single bolt	N	2424,6	3083,4	3085,7	--	--	--
Bolt quantity	n.	6	6	6	--	--	--
Bolt class		8.8	8.8	8.8	--	--	--
Bolt type		M8	M8	M8	--	--	--

(--) Not available

TUBE AND FINS COIL

MODEL		014	019	028	036	045	057
Tensile reaction of the single bolt	N	831	1302	1255	2279	3543	3484
Bolt quantity	n.	4	4	4	6	6	6
Bolt class		8.8	8.8	8.8	8.8	8.8	8.8
Bolt type		M8	M8	M8	M8	M8	M8

MODEL		065	074	088	130	149	176
Tensile reaction of the single bolt	N	3420	4367	4375	--	--	--
Bolt quantity	n.	6	6	6	--	--	--
Bolt class		8.8	8.8	8.8	--	--	--
Bolt type		M8	M8	M8	--	--	--

(--) Not available

CONDENSATION CONTROL

UNITS WITH AXIAL FANS WITH AC-TYPE ELECTRIC MOTORS.

Units are equipped with FMC electronic controller to control and regulate fan speed from a 0-10 Vdc proportional control from the indoor unit.

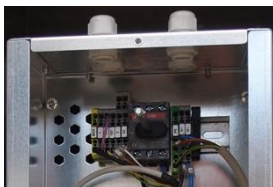
In case of power failure and malfunction, the controller sends a digital alarm signal to the indoor unit (refer to the wiring diagrams).

The FMC electronic board manages and controls the supply voltage to the fans to maintain the condensation at the values set by the indoor unit.

UNITS WITH AXIAL FANS WITH EC-TYPE ELECTRIC MOTORS.

The units have axial fans with directly coupled EC-type electric motor, with continuous variation of rotation speed for condensing pressure control based on a 0-10V proportional signal from the indoor unit controller.

POWER SUPPLY



The unit's power supply is independent of the indoor unit.
The power supply line must be equipped with all protections and controls required by current regulations.
If capacitors are supplied from the indoor unit, the power line protections are already in place.

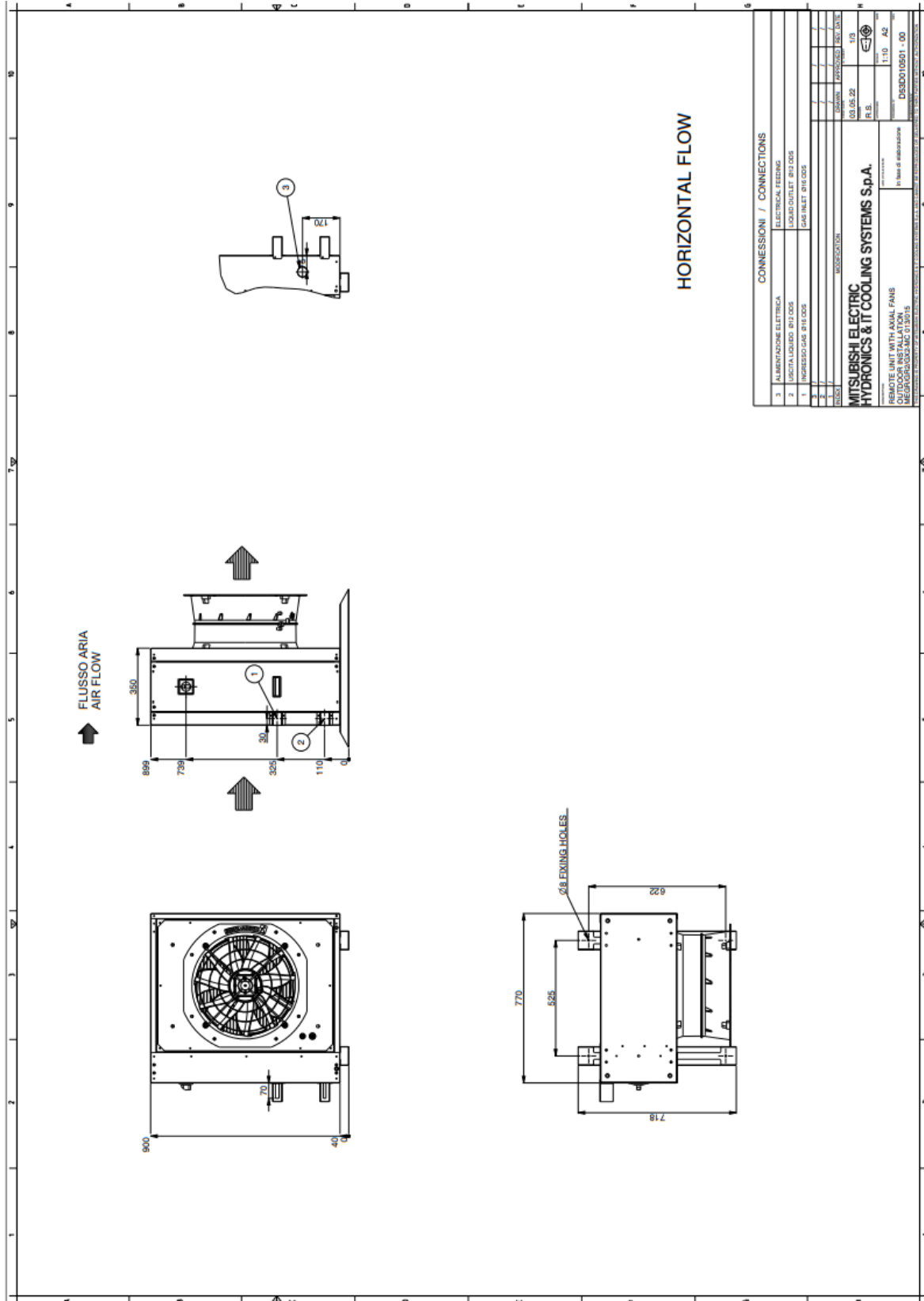
ELECTRIC CONNECTIONS WITH INTERNAL UNIT

The electrical connection with the indoor unit is the responsibility of the installer and includes:

- 0-10Vdc signal cable for condenser fan speed control.
- Condenser fan alarm signal cable / FMC board if present.
- Condenser power supply if provided on the indoor unit.

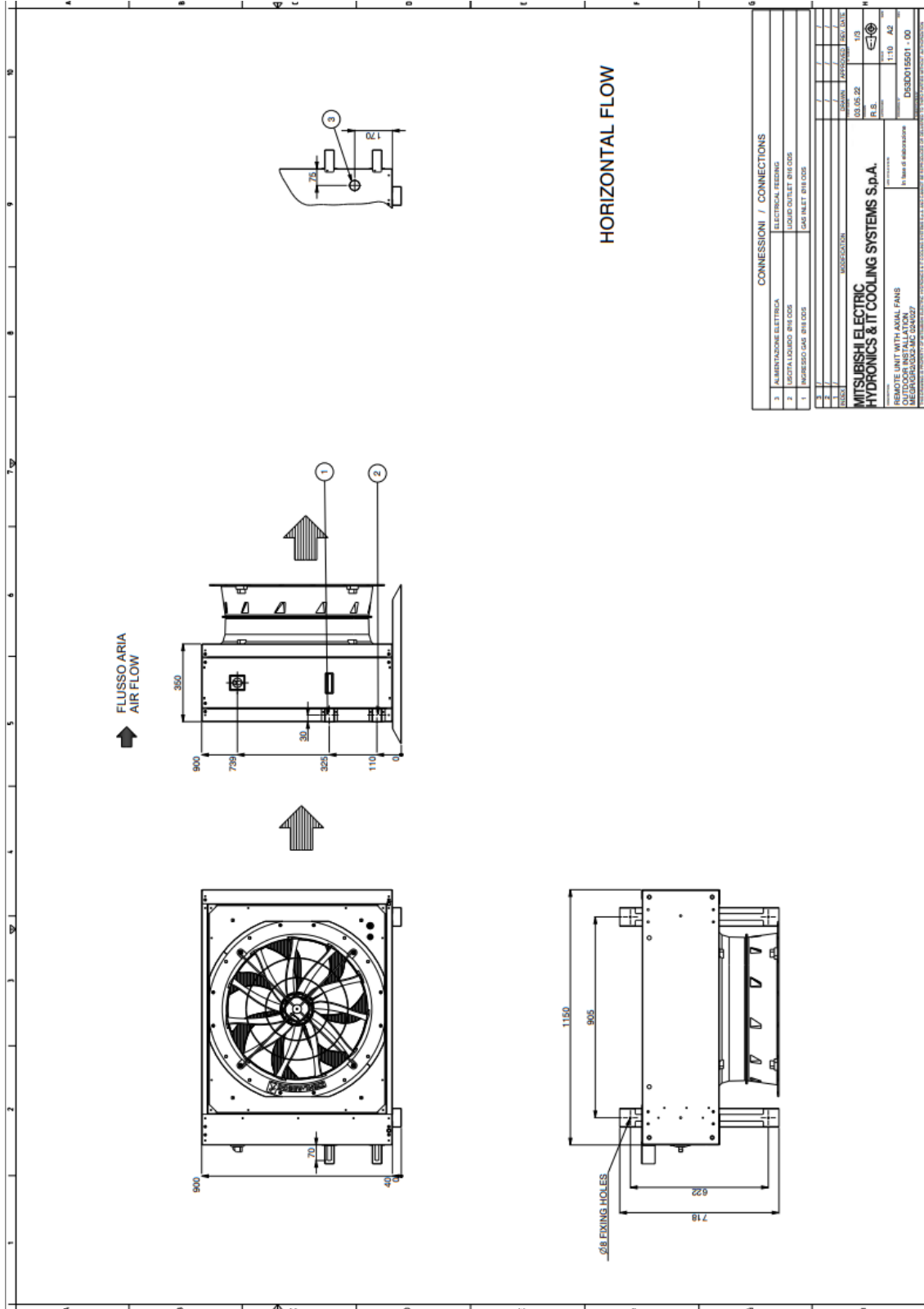
MICROCHANNEL COIL

Dimensions in mm
MODEL 013 - 015



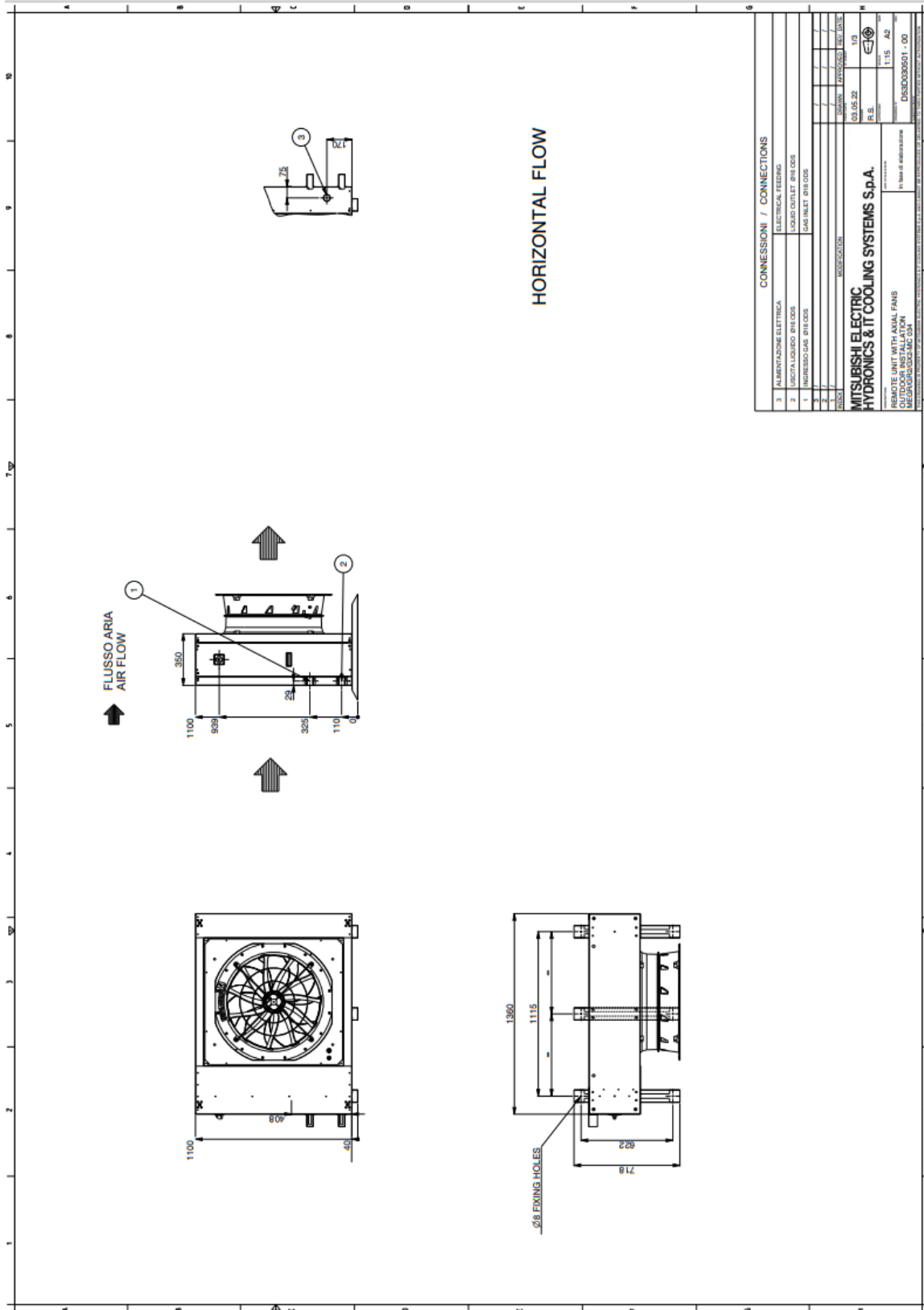
MICROCHANNEL COIL

Dimensions in mm
MODEL 024 - 027



MICROCHANNEL COIL

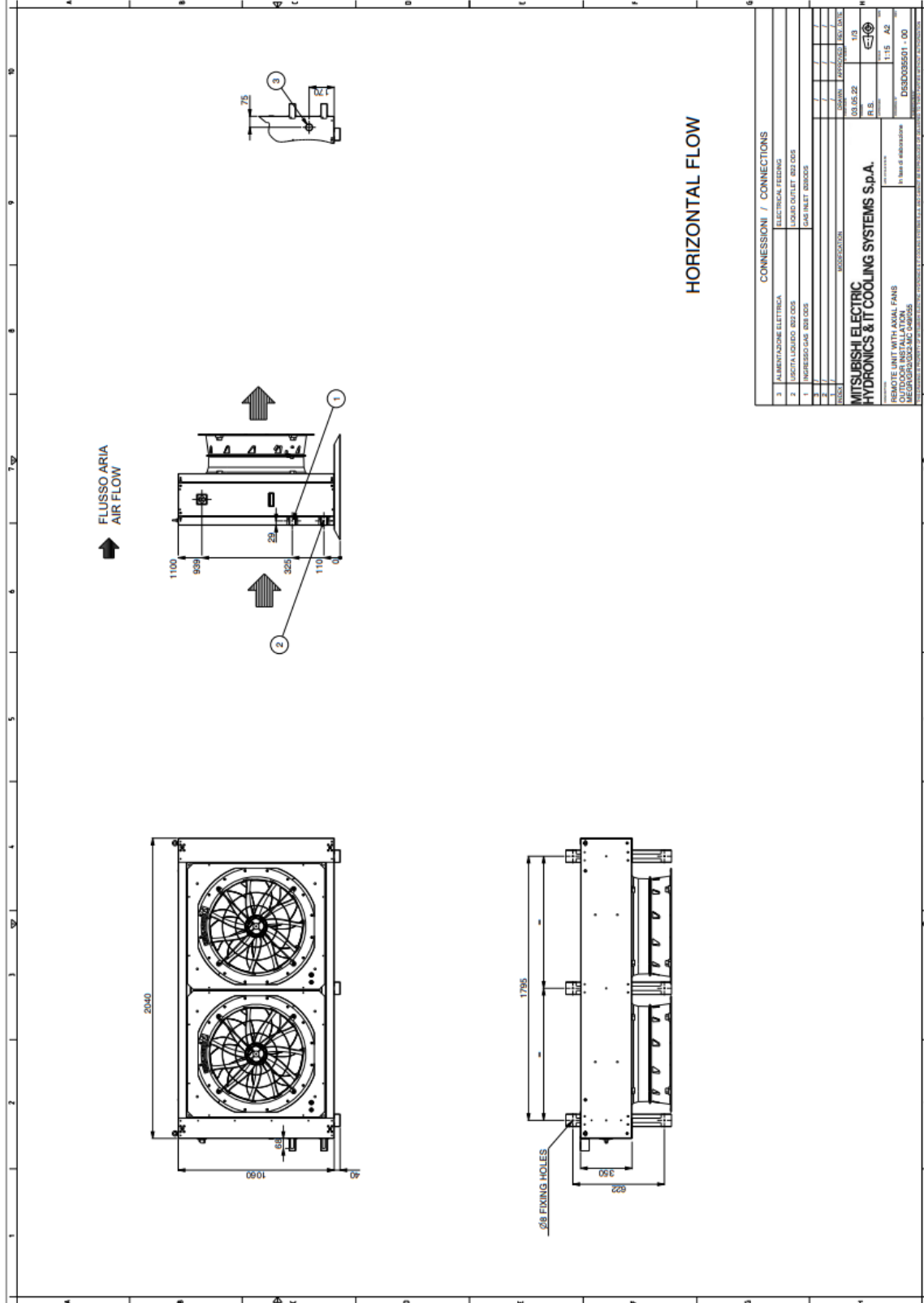
Dimensions in mm
MODEL 034



MICROCHANNEL COIL

Dimensions in mm

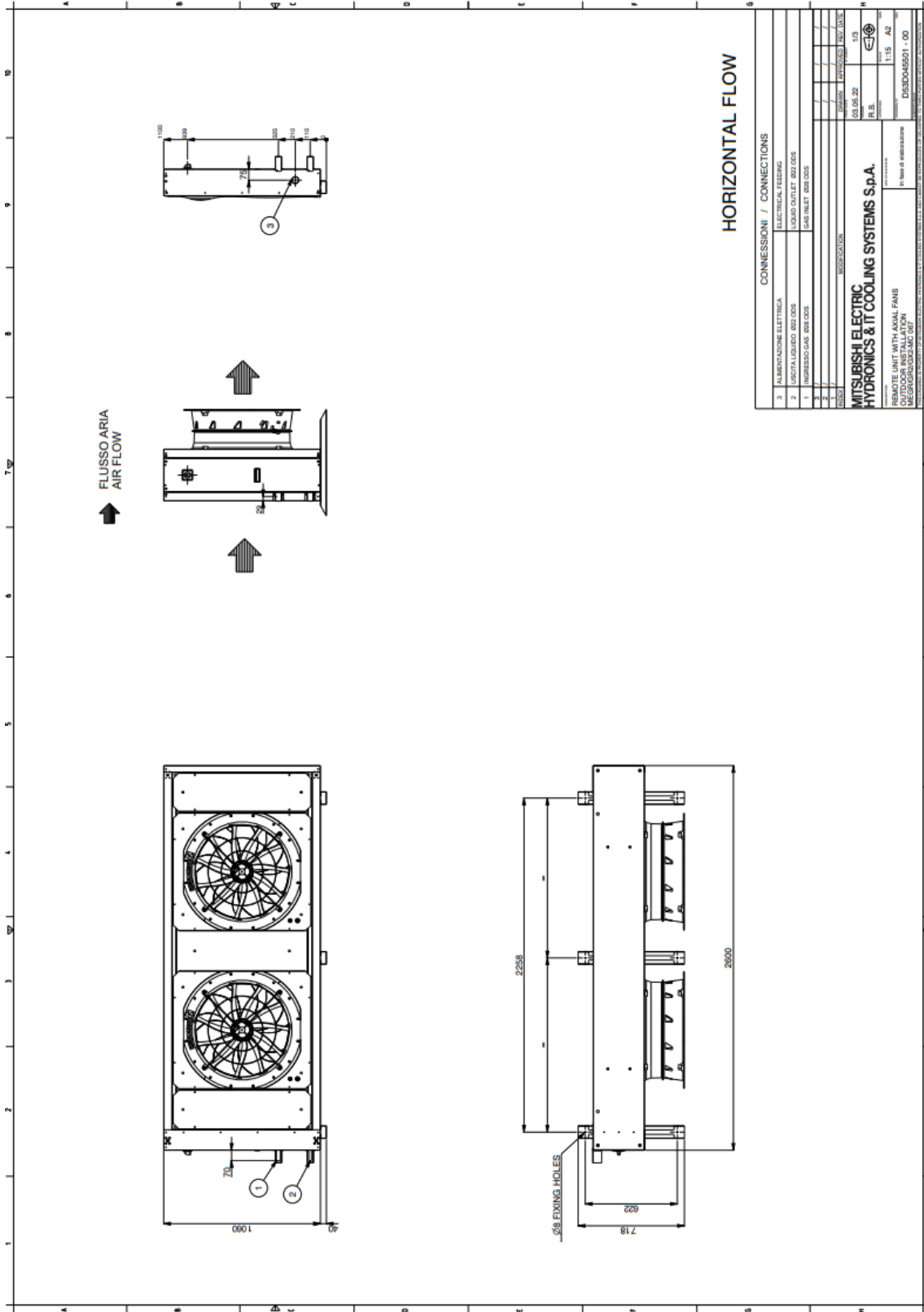
MODEL 049 - 055



MICROCHANNEL COIL

Dimensions in mm

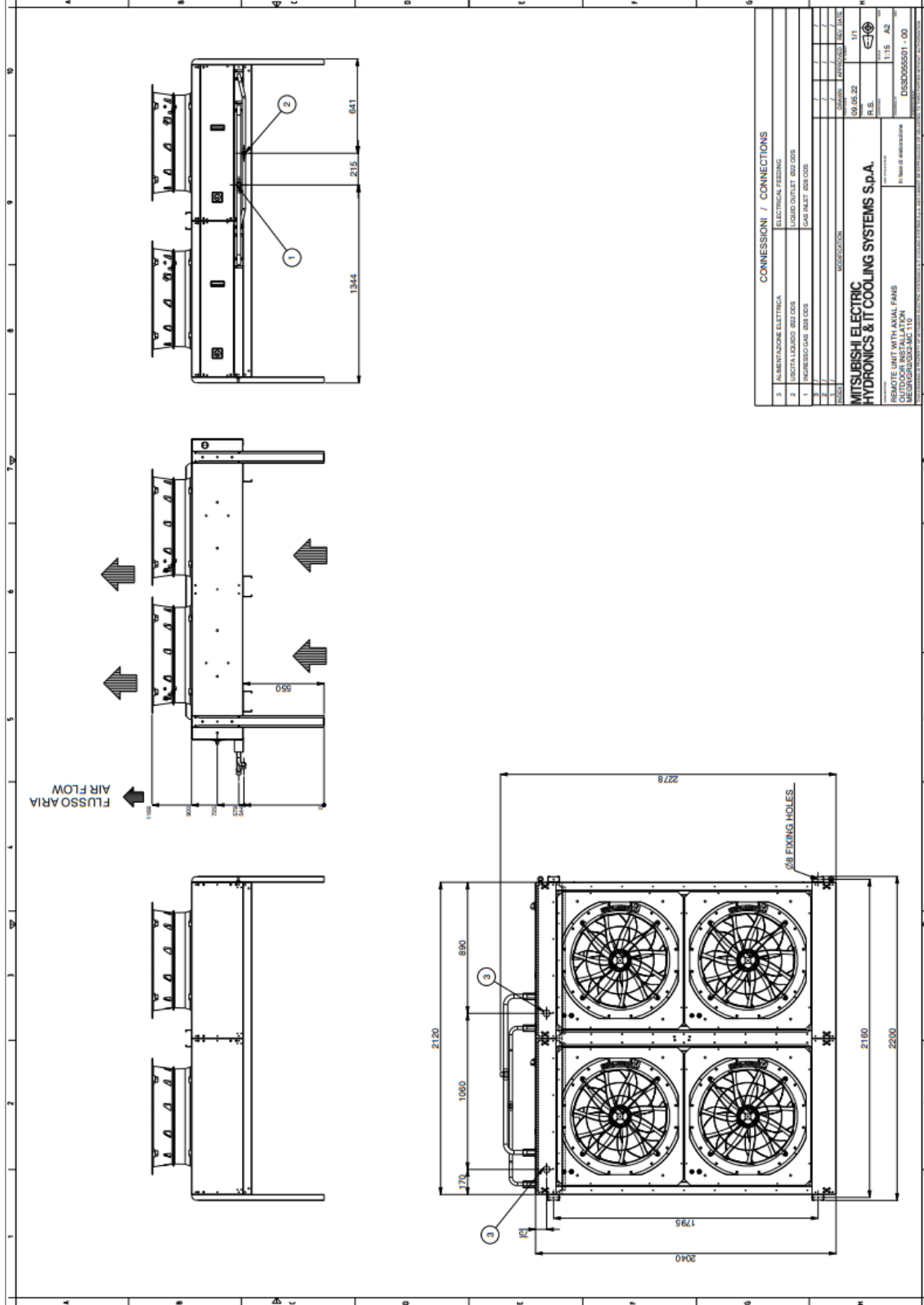
MODEL 067



MICROCHANNEL COIL

Dimensions in mm

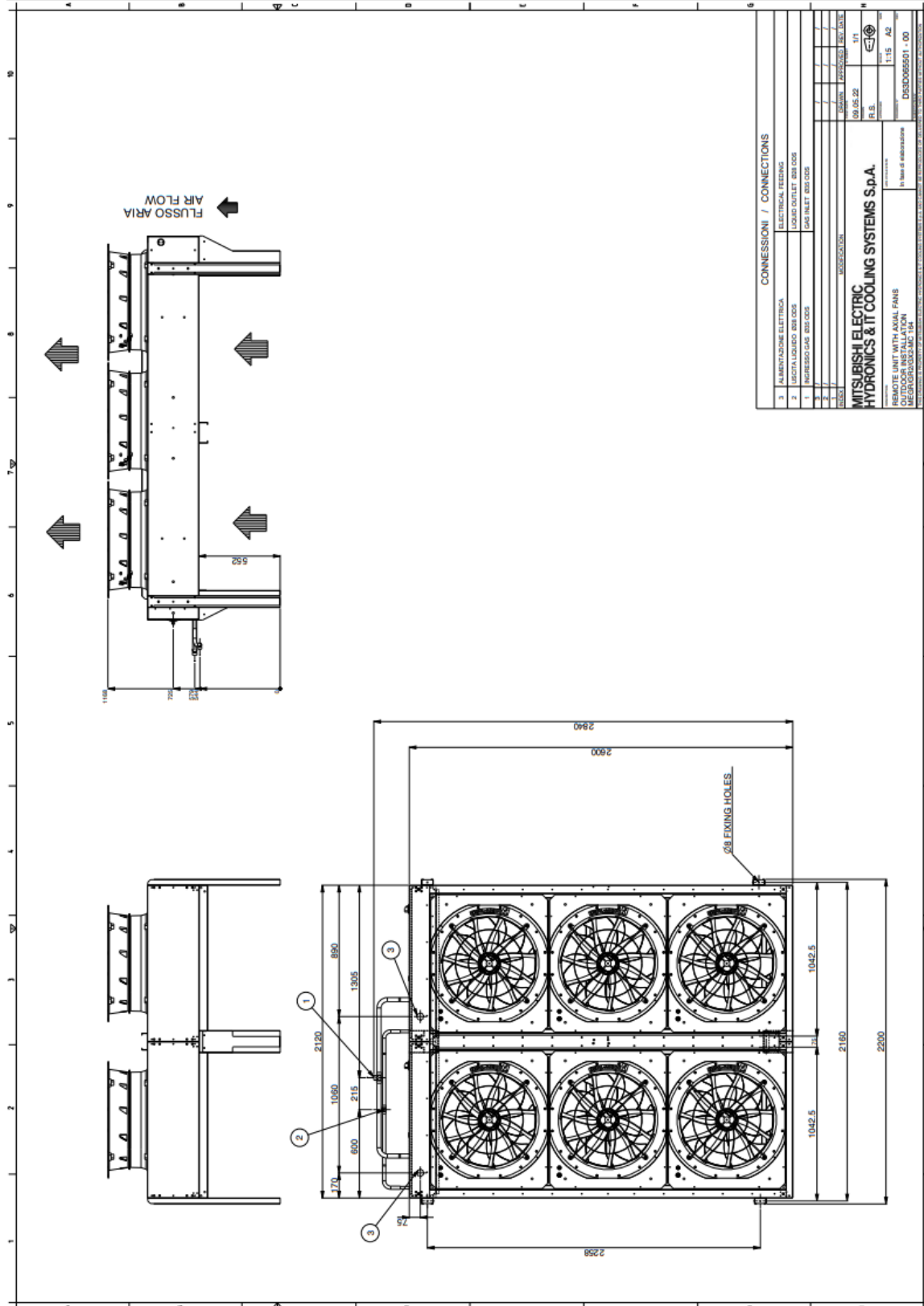
MODEL 110



MICROCHANNEL COIL

Dimensions in mm

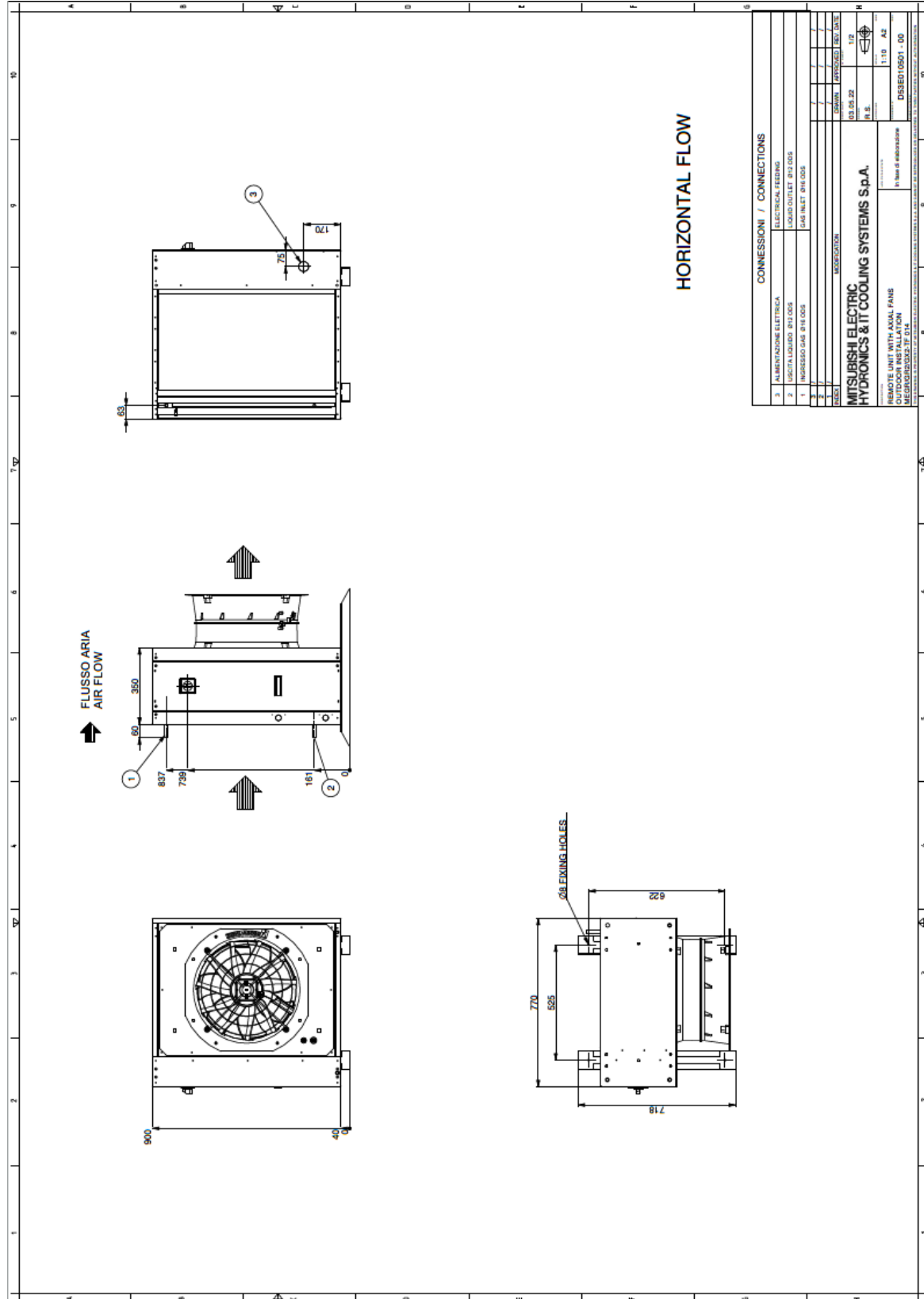
MODEL 164



TUBE AND FINS COIL

Dimensions in mm

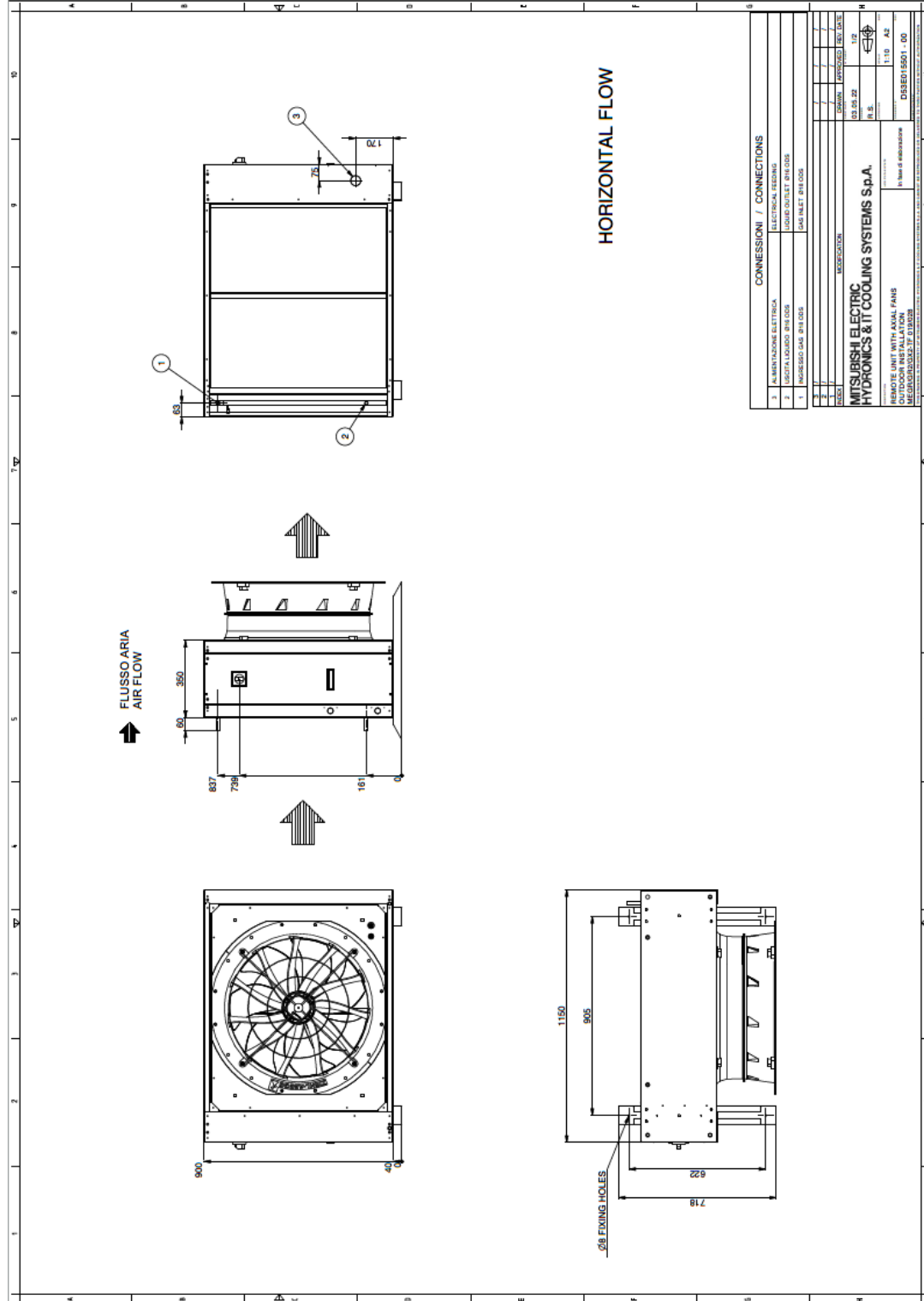
MODEL 014



TUBE AND FINS COIL

Dimensions in mm

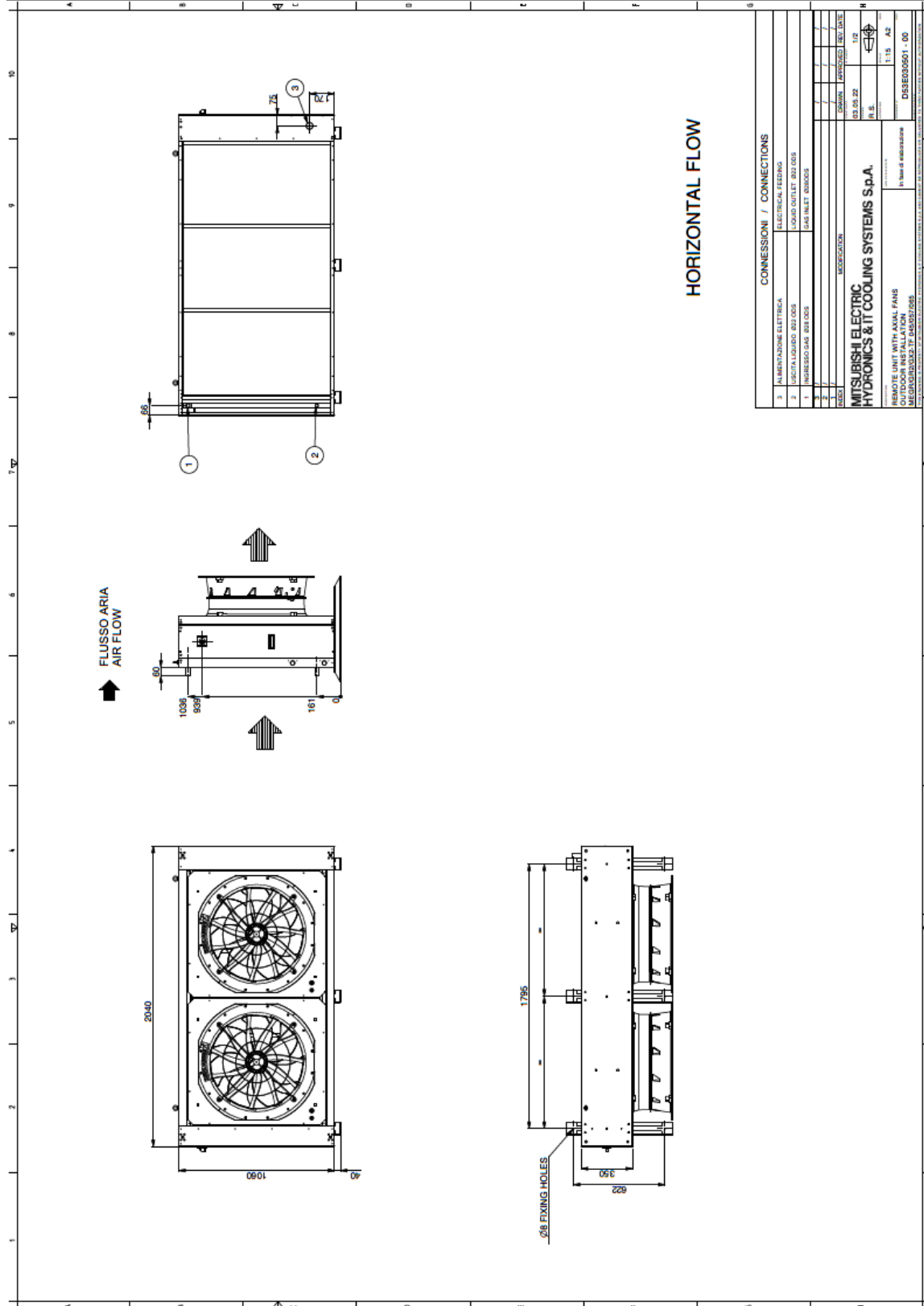
MODEL 019 - 028



TUBE AND FINS COIL

Dimensions in mm

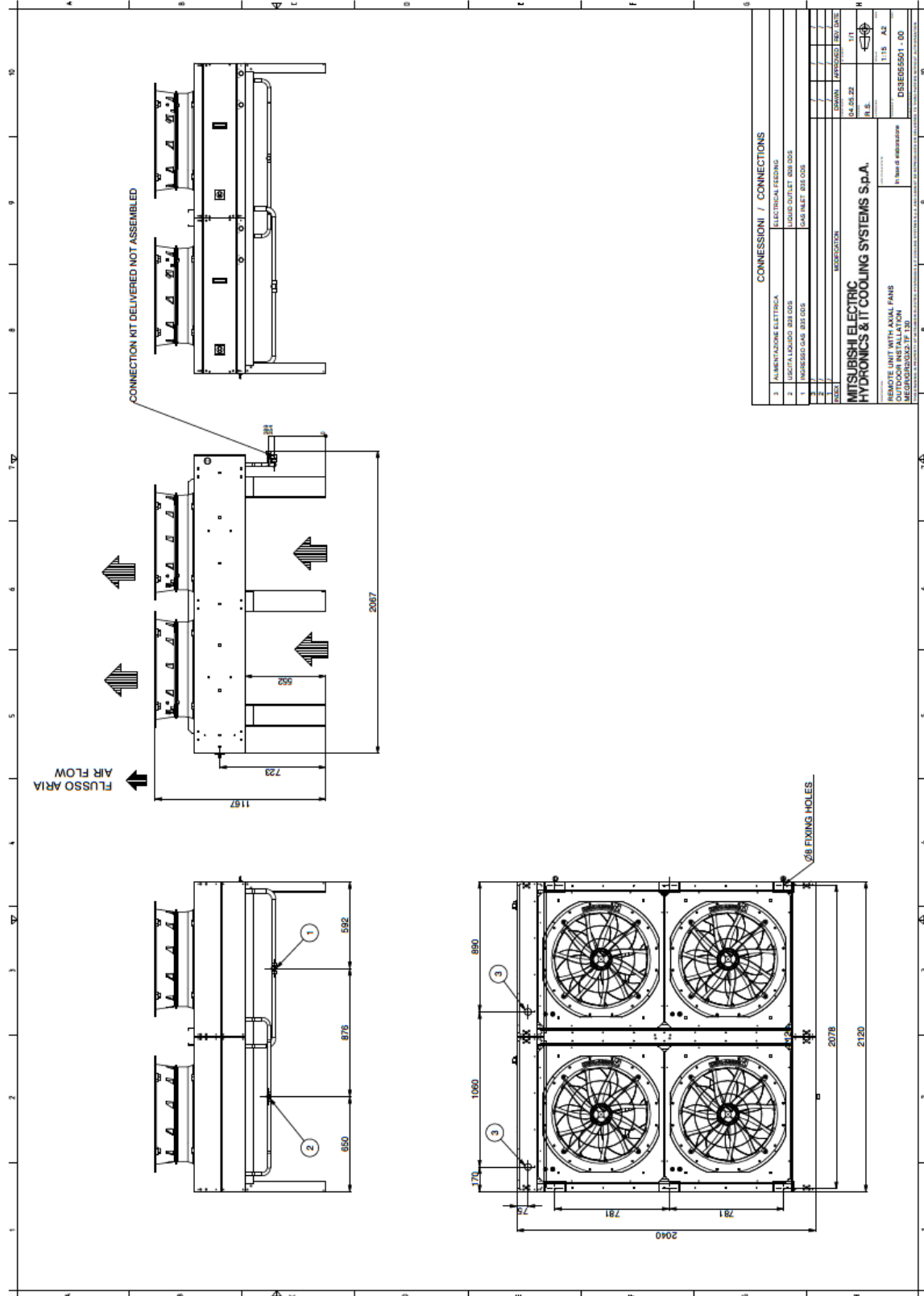
MODEL 045 - 057 - 065



TUBE AND FINS COIL

Dimensions in mm

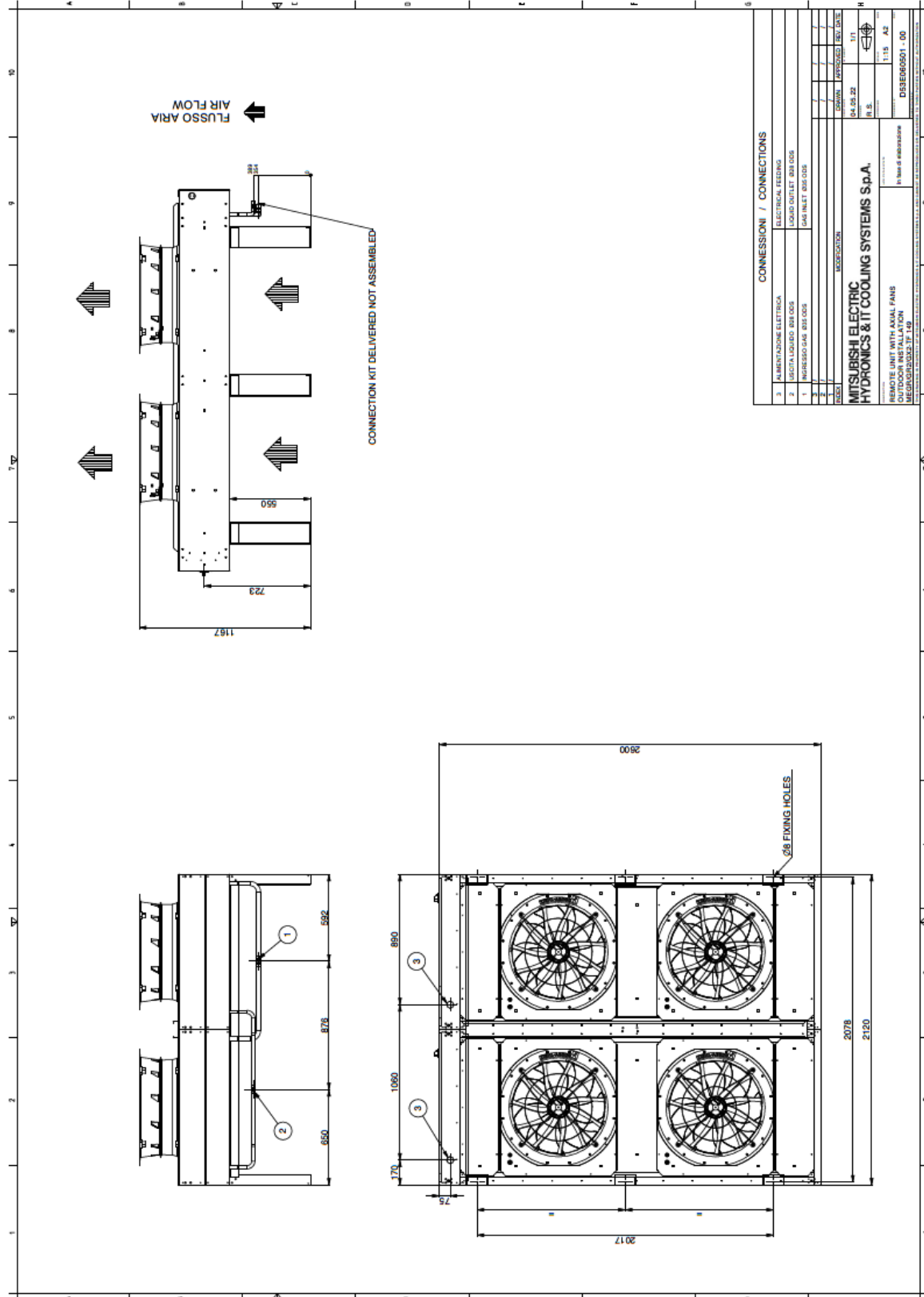
MODEL 130



TUBE AND FINS COIL

Dimensions in mm

MODEL 149



ACCESORIES

1042 - Vertical airflow: Excluding models with 4/6 fans. Support feet for vertical airflow supplied in mounting kit. Accessory is not suitable for installation in seismic areas.

876 - Microchannel E-coating coil: coil with additional protective treatment E-coating.

895 - Cu/Al tube and fin guard coil: coil with additional protective Fin guard treatment.

2211 Intercepting taps: Ball taps for refrigerant line - supplied in mounting kit.

P101 Earthquake anchor kit: Available only for models with 1/2/3 fans. Version for installation in seismic zones.

9969 Packaging with wooden cage: Excluding models with 4/6 fans. Machines are delivered on pallet, covered with shrink-wrap plastic film with wooden cage packing.

WARNING

The Manufacturer reserves the right to accept the matching of the optional installed on the machine.

ACCESSORIES: 1042 – VERTICAL AIR FLOW DIRECTION

The accessory is available only for machines equipped with 1/2/3 fans. Units are supplied with support feet to achieve vertical airflow. The support feet are supplied in a mounting kit along with the necessary hardware. Mounting of the feet is the responsibility of the Installer. Always secure the unit to the floor as provided for the basic version.

The horizontal airflow version is recommended for installations in windy areas.
The vertical airflow version is not suitable for installations in seismic areas.

WEIGHT MACHINES WITH VERTICAL AIR FLOW DIRECTION

Serie MEGR-MC-A

MODEL		013	015	024	027	034	049	055	067	082	110	134	164
ACOUSTIC VERSION		STD	STD	STD	STD	STD	STD	STD	STD	STD	STD	STD	STD
NET WEIGHT	kg	33,1	33,1	47,9	47,9	54,7	88,1	88,1	104	123,6	---	---	---

Serie MEGR-MC-SL-A

MODEL		013	015	024	027	034	049	055	067	082	110	134	164
ACOUSTIC VERSION		SL	SL	SL	SL	SL	SL	SL	SL	SL	SL	SL	SL
NET WEIGHT	kg	34,1	34,1	48,9	48,9	56,7	90,1	90,1	107	126,6	---	---	---

Serie MEGR-MC-E

MODEL		013	015	024	027	034	049	055	067	082	110	134	164
ACOUSTIC VERSION		STD	STD	STD	STD	STD	STD	STD	STD	STD	STD	STD	STD
NET WEIGHT	kg	31,1	31,1	45,9	45,9	51,7	84,1	84,1	100	117,6	---	---	---

Serie MEGR-MC-SL-E

MODEL		013	015	024	027	034	049	055	067	082	110	134	164
ACOUSTIC VERSION		SL	SL	SL	SL	SL	SL	SL	SL	SL	SL	SL	SL
NET WEIGHT	kg	32,1	32,1	46,9	46,9	53,7	86,1	86,1	103	120,6	---	---	---

Serie MEGR-TF-A

MODEL		014	019	028	036	045	057	065	074	088	130	149	176
ACOUSTIC VERSION		STANDARD	STANDARD	STANDARD	STANDARD	STANDARD	STANDARD	STANDARD	STANDARD	STANDARD	STANDARD	STANDARD	STANDARD
NET WEIGHT	kg	47.4	60.4	72.4	91	115	130	146	172	190	---	---	---

Serie MEGR-TF-SL-A

MODEL		014	019	028	036	045	057	065	074	088	130	149	176
ACOUSTIC VERSION		SL	SL	SL	SL	SL	SL	SL	SL	SL	SL	SL	SL
NET WEIGHT	kg	48.4	61.4	73.4	91.8	116.6	131.6	147.6	173.6	191.6	---	---	---

Serie MEGR-TF-E

MODEL		014	019	028	036	045	057	065	074	088	130	149	176
ACOUSTIC VERSION		STANDARD	STANDARD	STANDARD	STANDARD	STANDARD	STANDARD	STANDARD	STANDARD	STANDARD	STANDARD	STANDARD	STANDARD
NET WEIGHT	kg	45.4	58.4	70.4	88	111	126	142	168	186	---	---	---

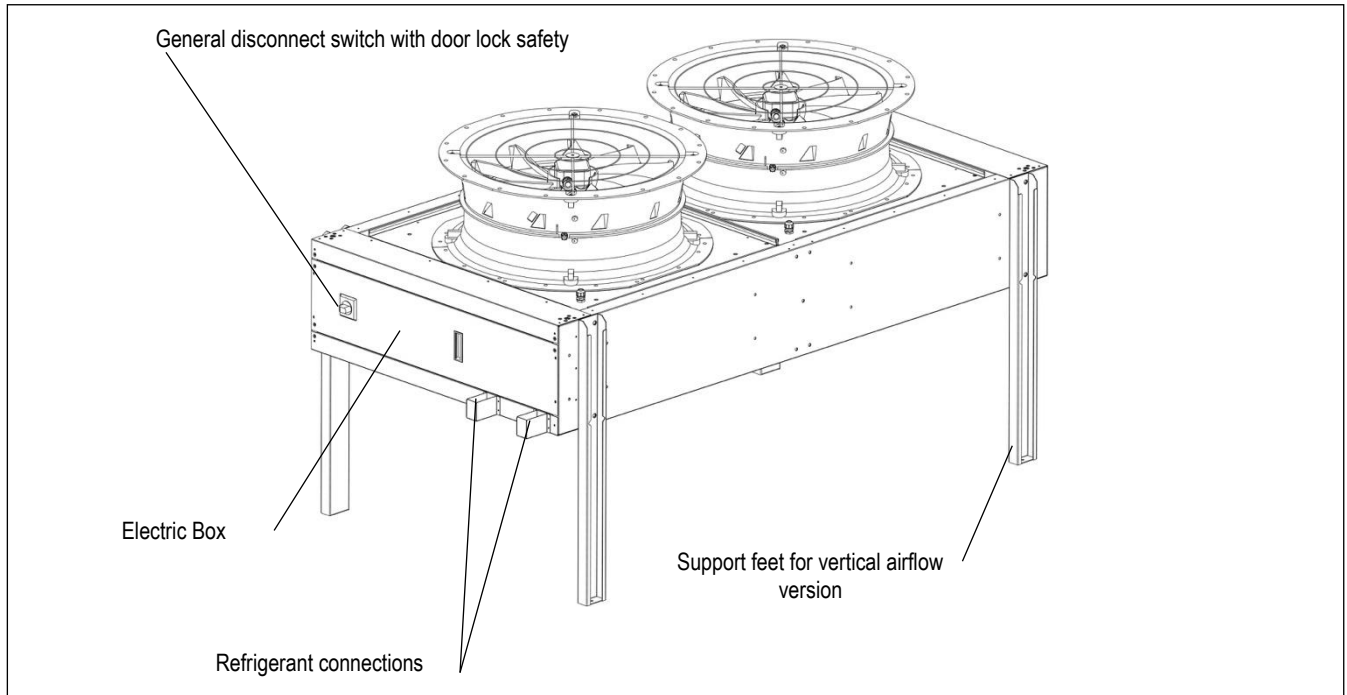
Serie MEGR-TF-SL-E

UNITS DRAWINGS WITH VERTICAL AIR FLOW DIRECTION

MEGR-MC

Data Book
DB_MEGR_092022_EN_REV00

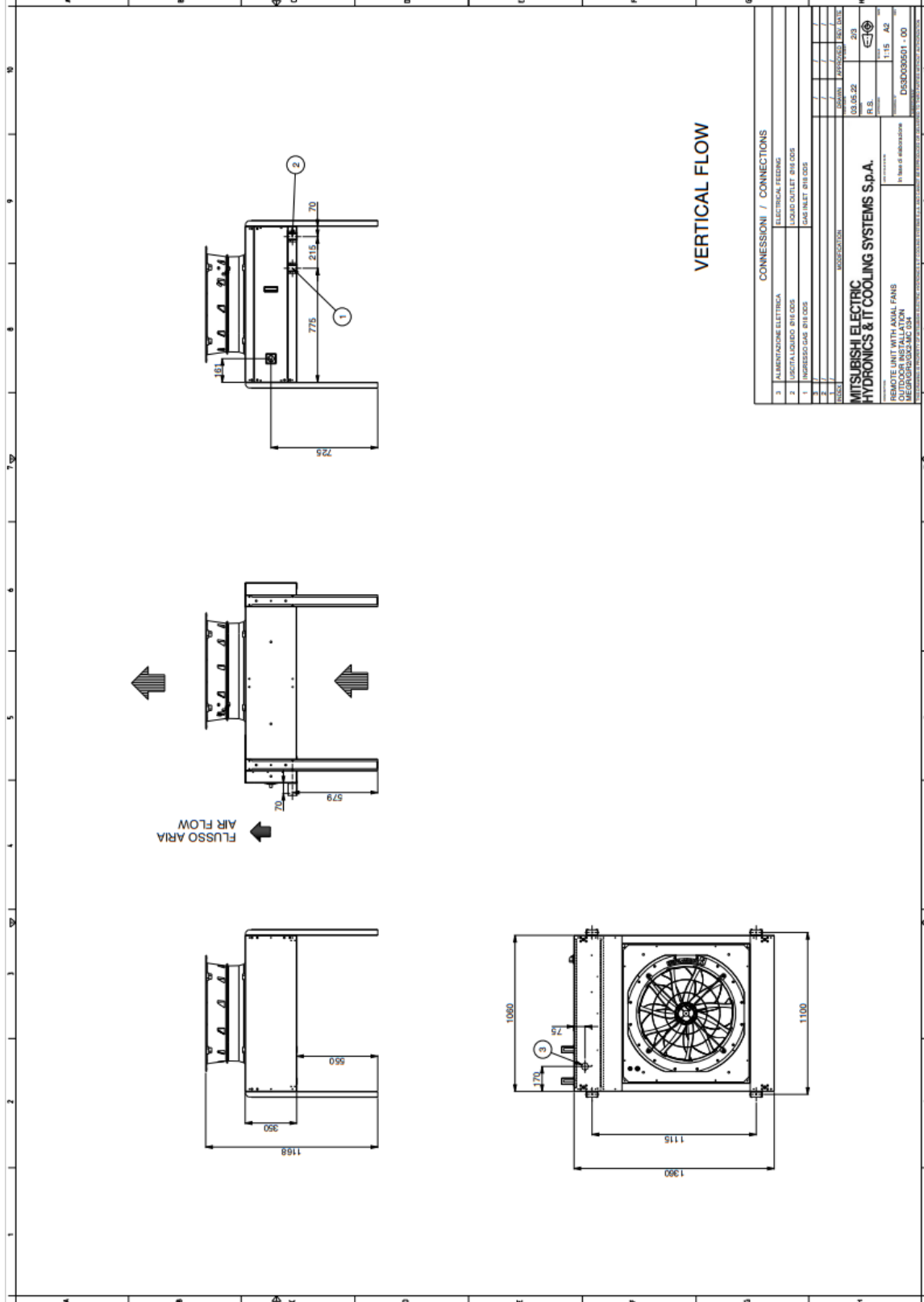
MODEL		014	019	028	036	045	057	065	074	088	130	149	176
ACOUSTIC VERSION		SL	SL	SL	SL	SL	SL	SL	SL	SL	SL	SL	SL
NET WEIGHT	kg	46.4	59.4	71.4	88.8	112.6	127.6	143.6	169.6	187.6	---	---	---



MICROCHANNEL COIL

Dimensions in mm

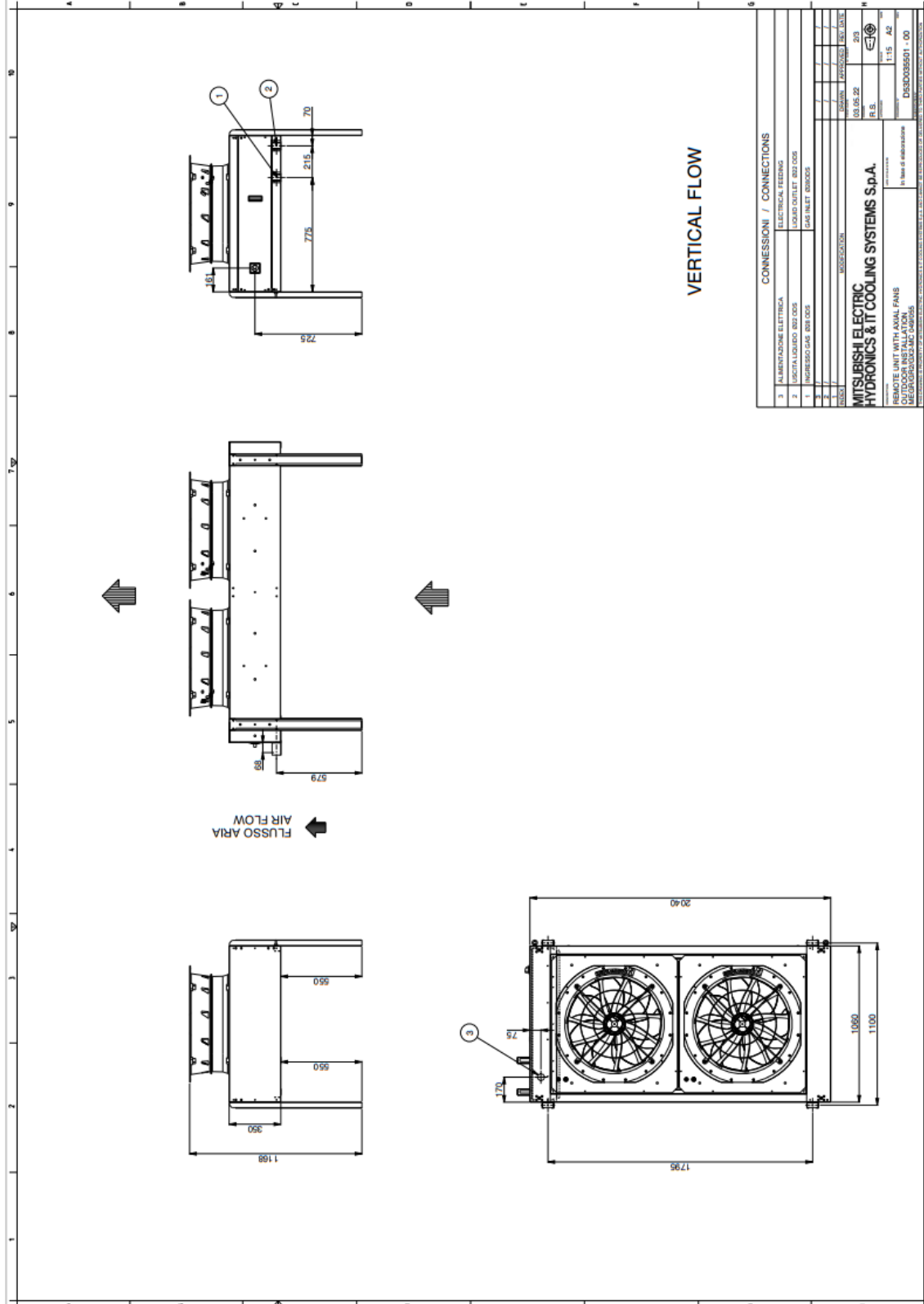
MODEL 034



MICROCHANNEL COIL

Dimensions in mm

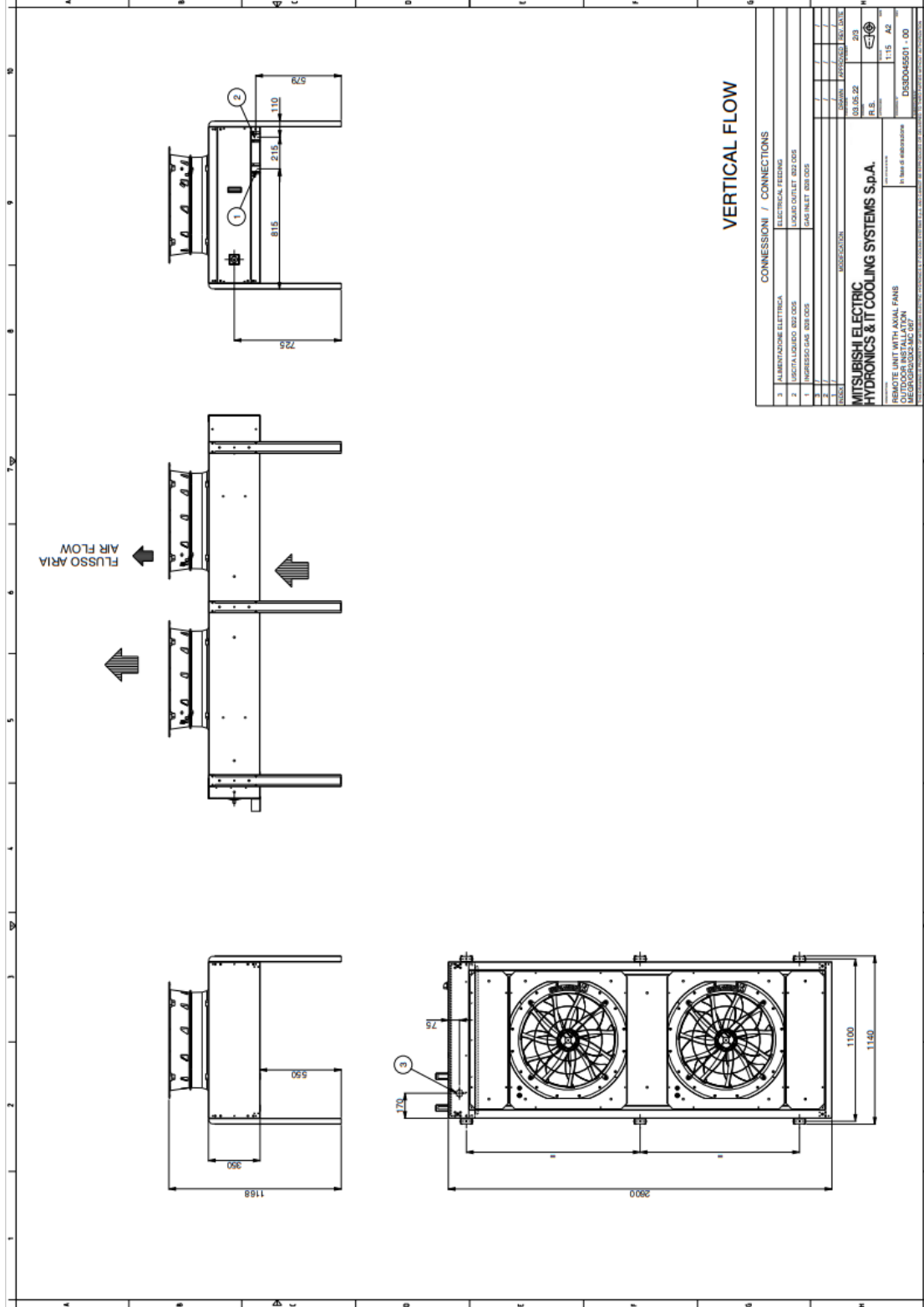
MODEL 049 - 055



MICROCHANNEL COIL

Dimensions in mm

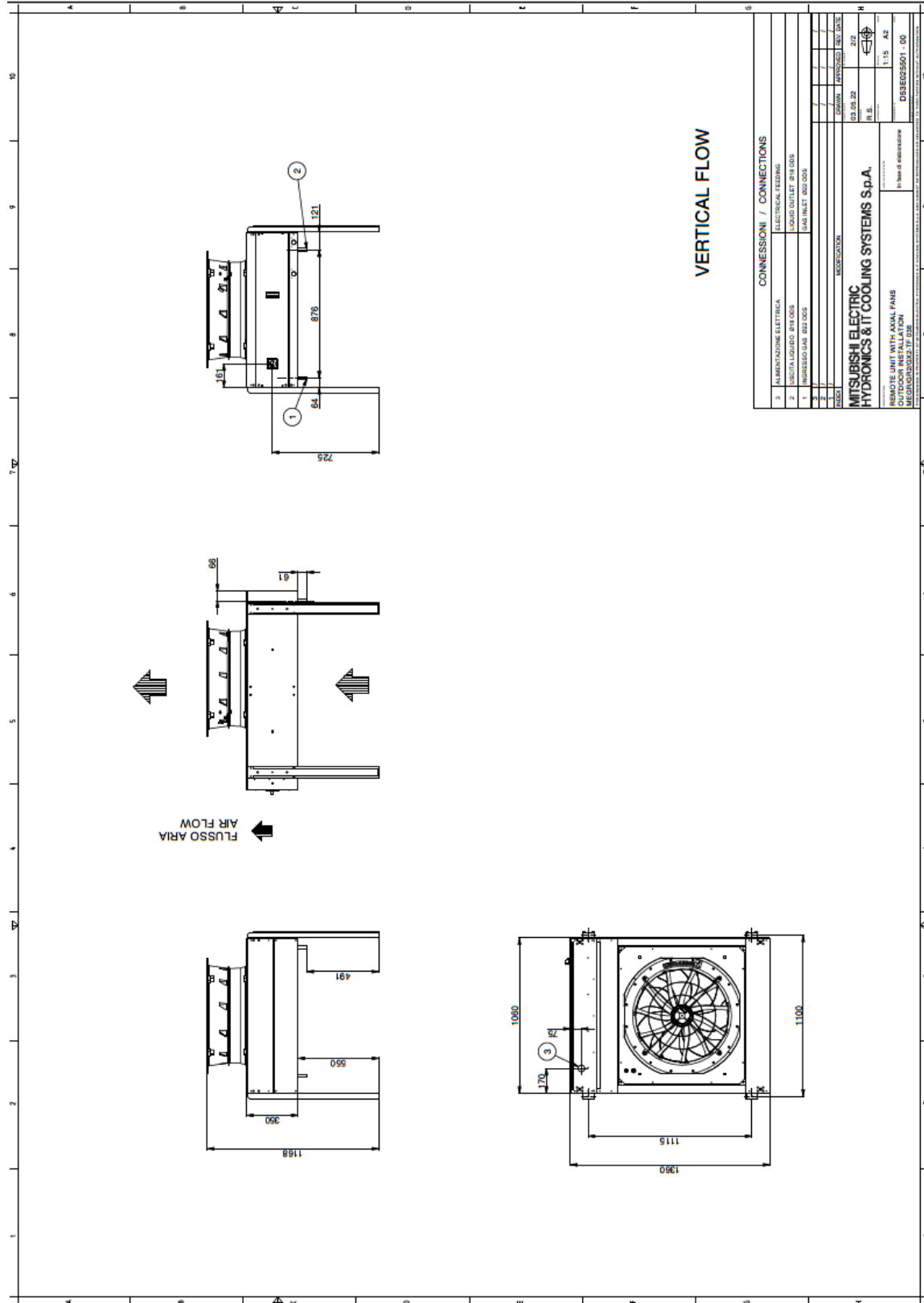
MODEL 067



TUBE AND FINS COIL

Dimensions in mm

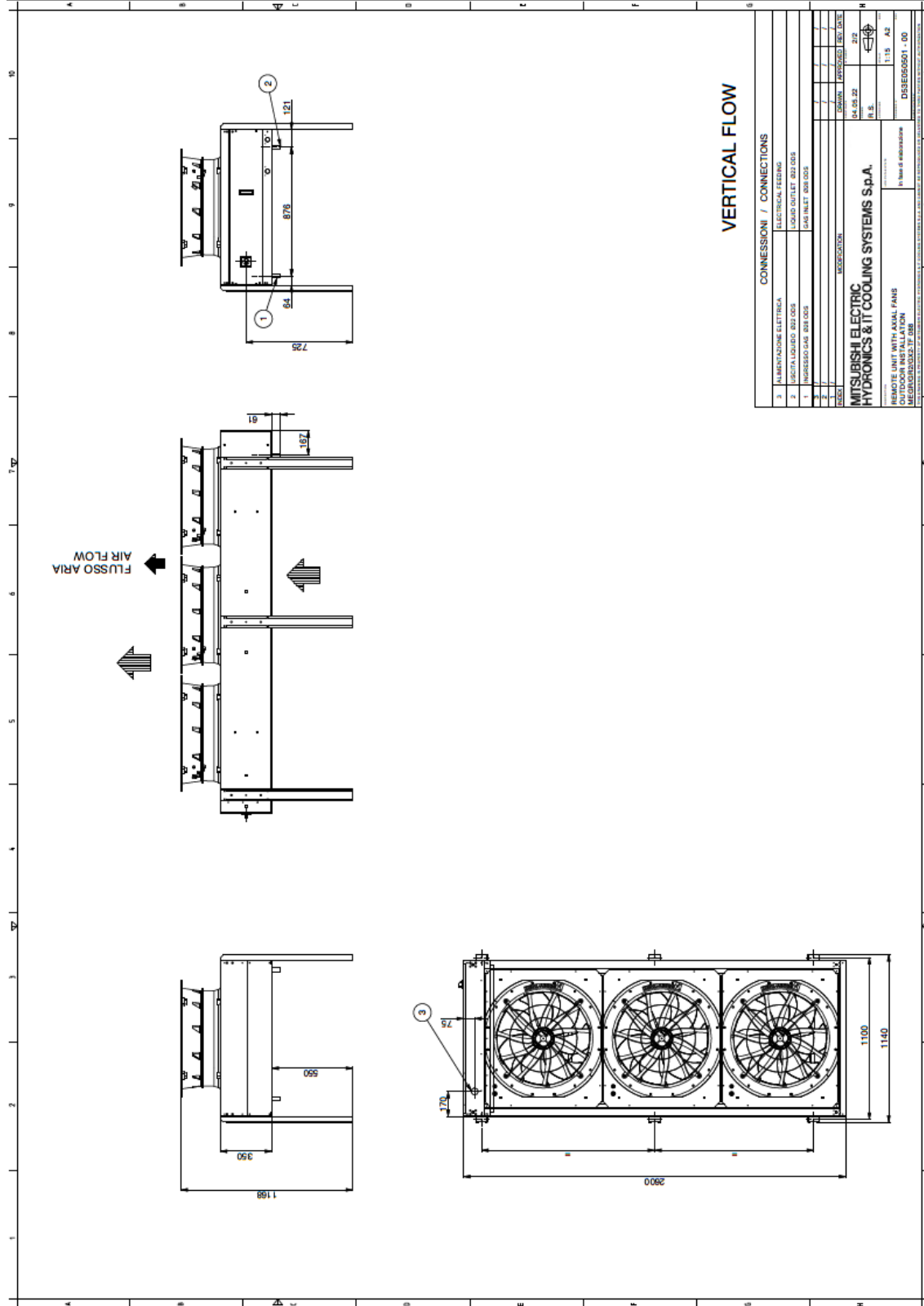
MODEL 036



TUBE AND FINS COIL

Dimensions in mm

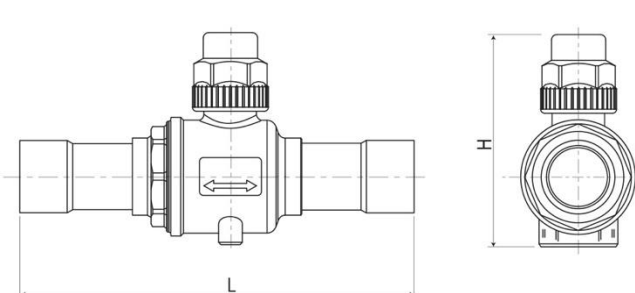
MODEL 088



ACCESSORIES: 2211 - SHUT-OFF TAPS

Ball taps for refrigeration line. The taps are supplied in assembly kits.

Attacks ODS	Factor Kv	PS	PED.	H	L	Weight
Ø [mm]	[m³/h]	[bar]		[mm]	[mm]	[g]
12	5	50	Art. 4.3	48	121	201
16	17	50	Art. 4.3	55	139	311
18	17	50	Art. 4.3	55	139	311
22	29	50	Art. 4.3	70	175	570
28	51	50	Art. 4.3	79	204	708
35	86	50	II	117	210	1518



ACCESSORIES: 876 - MICROCHANNEL E-COATING COIL

E-coating is an electrodeposition process using epoxy resin.

The coating is applied through complete immersion in a tank, in which the battery acts like a magnet, attracting the coating to every point on its surface

- Advantages of E-coating protective treatment:
- Cathodic deposition that ensures 100% coating of the exchanger;
 - Exchanger efficiency loss 1-2%;
 - 5-year warranty in exposure class C5
 - High durability, 15 years of protection in C5 environment according to ISO12944;
 - Protective film thickness 0.6 to 1.2 millimeters;
 - Flexible and durable protective film;
 - Color of protective film Black;
 - Additional UV protection (Top-Coating) available upon request;

ELECTRODEPOSITION PROCESS



- Lavaggio alcalino
- Lavaggio con acqua calda deionizzata
- Lavaggio con acqua deionizzata
- Elettrodeposizione E-coating
- Risciacquo
- Risciacquo finale
- Asciugatura in forno
- Bagno anti UV (opzionale)

To ensure proper machine operation and best operating conditions, it is important to keep the exchangers clean and efficient as indicated in the Installation, Operation and Maintenance manuals. E-coating protective treatment does not exclude maintenance and cleaning of the exchangers.

ACCESSORI: 895 – CONDENSATE TUBE AND FINS COIL WITH FIN GUARD TREATMENT

The exchanger is fully treated with a high-pressure spray painting process for the surface deposition of a protective layer of polyurethane paint.

The main advantages of this type of treatment are as follows:

- Polyurethane paint with metal suspension
- Salt spray corrosion resistance according to ASTM B117 not less than 3000 hours
- Excellent UV resistance

To ensure proper machine operation and best operating conditions, it is important to keep the exchangers clean and efficient as indicated in the Installation, Operation and Maintenance manuals.

Protective treatment results in a slight reduction in exchanger efficiency.

Protective treatment does not preclude maintenance and cleaning of the exchangers

ACCESSORIES: P101 - EARTHQUAKE ANCHOR KIT



For the purpose of resistance against seismic events, the capacitors were certified to the highest level of seismic intensity as required by ICC-ES AC 156 "Acceptance criteria for seismic certification by shake-table testing of nonstructural components -oct. 2010" by performing dynamic tests on a shake-table with oscillations on vertical and transverse axes.

As stated in the standard, the purpose of the tests followed is to give a certification of nonstructural components subjected to seismic stresses with frequency greater than 1.3 Hz (Section 13.2.5 of ASCE 7). The evaluation criterion followed is intended to provide data to support architectural seismic certification of mechanical, electrical and other parts not considered "structural" that are to be permanently connected to a building or architectural component.

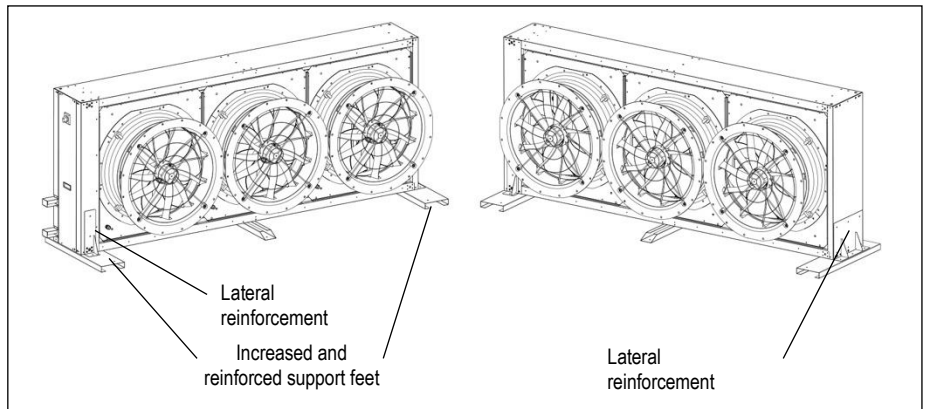
The integrity of the anchorage of the machine and components to the structure must be ensured by accepting minor failures, small fractures and anomalies as long as these have no impact on the safety of people during the seismic event.

ICC-ES AC 156 is related to ISO 13033:2013 "Bases For Design Of Structures - Loads, Forces And Other Actions - Seismic Actions On Nonstructural Components For Building Applications."

When installations in seismic areas are planned, machines must be installed appropriately:

- Avoid installations with vertical airflow
- Pay special attention to anchoring to the supporting structure.

The seismic version machine has a reinforced structure already installed at the factory and must be selected when ordering.



CONSTRAINED REACTIONS TO SEISMIC EVENT

MODEL		013	015	024	027	034	049
Tensile reaction of the single bolt	N	74,6	74,6	124,9	124,9	121,4	208,3
Bolt quantity	n.	4	4	4	4	4	6
Bolt class		8.8	8.8	8.8	8.8	8.8	8.8
Bolt type		M8	M8	M8	M8	M8	M8

MODEL		055	067	082	110	134	164
Tensile reaction of the single bolt	N	208,3	233,5	293,3	--	--	--
Bolt quantity	n.	6	6	6	--	--	--
Bolt class		8.8	8.8	8.8	--	--	--
Bolt type		M8	M8	M8	--	--	--

(--) Not available

UNITS WEIGHT WITH ANTISEISMIC VERSION

Serie MEGR-MC-A

MODEL	013	015	024	027	034	049	055	067	082	110	134	164
ACOUSTIC ENCLOSURE	STD	STD	STD	STD	STD	STD	STD	STD	STD	STD	STD	STD
NET WEIGHT	kg	40,3	40,3	56	56	66	100	100	114	134	--	--

Serie MEGR-MC-SL-A

MODEL	013	015	024	027	034	049	055	067	082	110	134	164
ACOUSTIC ENCLOSURE	SL	SL	SL	SL	SL	SL	SL	SL	SL	SL	SL	SL
NET WEIGHT	kg	41,3	41,3	57	57	68	102	102	117	137	--	--

Serie MEGR-MC-E

MODEL	013	015	024	027	034	049	055	067	082	110	134	164
ACOUSTIC ENCLOSURE	STD	STD	STD	STD	STD	STD	STD	STD	STD	STD	STD	STD
NET WEIGHT	kg	38,3	38,3	54	54	63	96	96	110	128	--	--

Serie MEGR-MC-SL-E

MODEL	013	015	024	027	034	049	055	067	082	110	134	164
ACOUSTIC ENCLOSURE	SL	SL	SL	SL	SL	SL	SL	SL	SL	SL	SL	SL
NET WEIGHT	kg	39,3	39,3	55	55	65	98	98	113	131	--	--

(--) NoT AVAILABLE

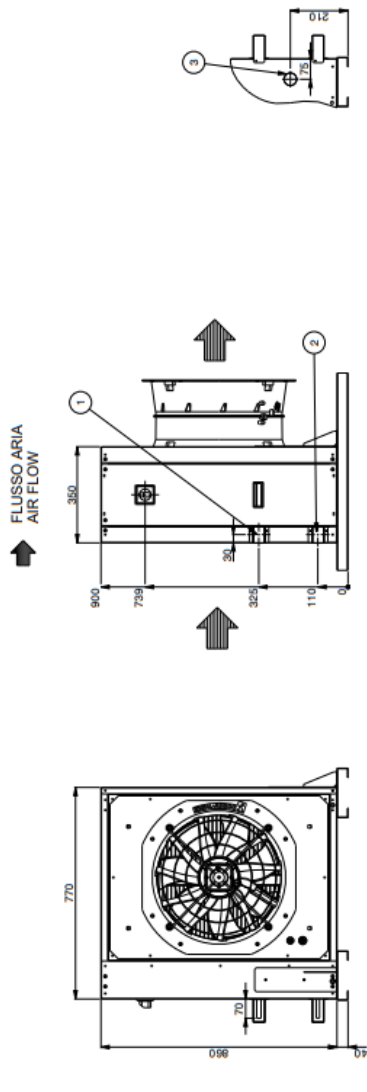
REFRIGERATION/ELECTRICAL CONNECTIONS IN SEISMIC AREAS.

Avoid rigid connections between the machine and the plant; it is necessary to isolate the machine with a flexible system that allows free movement in case of a seismic event.

The refrigeration/electrical connection is the responsibility of the Installer; the choice of flexible components and installation should follow the instructions of the Design Engineer responsible for the installation.

ANTISISMIC VERSION UNITS DRAWINGS
Dimensions in mm

MODEL 013 - 015



ANTISISMIC KIT

CONNESSIONI / CONNECTIONS	
3	ALIMENTAZIONE ELETTRICA ELECTRICAL FEEDING
2	USCITA LIQUIDO R12/D05 LIQUID OUTLET R12/D05
1	INGRESSO GAS R11/D05 GAS INLET R11/D05
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REMOUE UNIT WITH AXIAL FANS
UNITA' REFRIGERANTE CON VENTILATORI
GEOMETRICI A FLUSSO D'ARIA

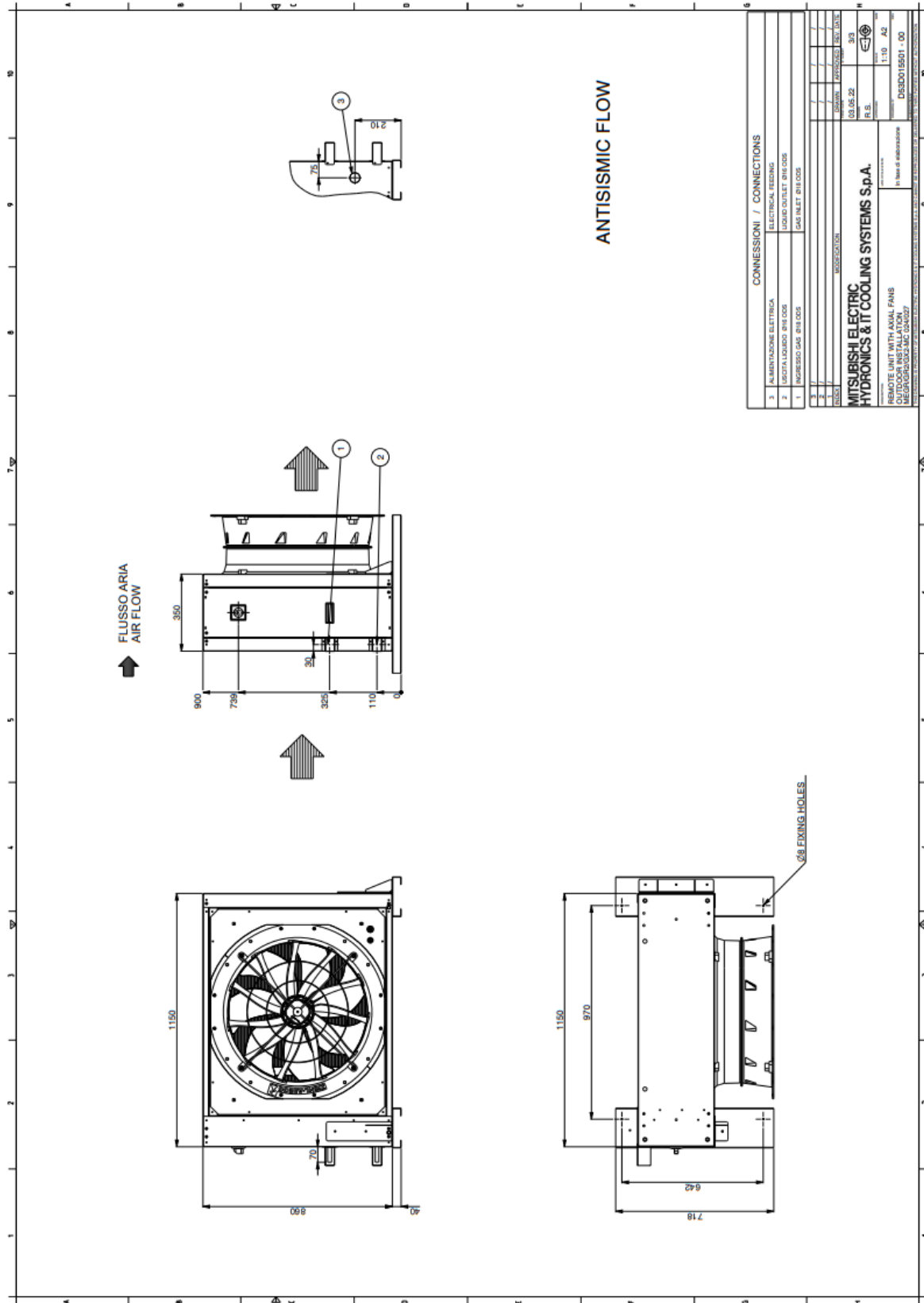
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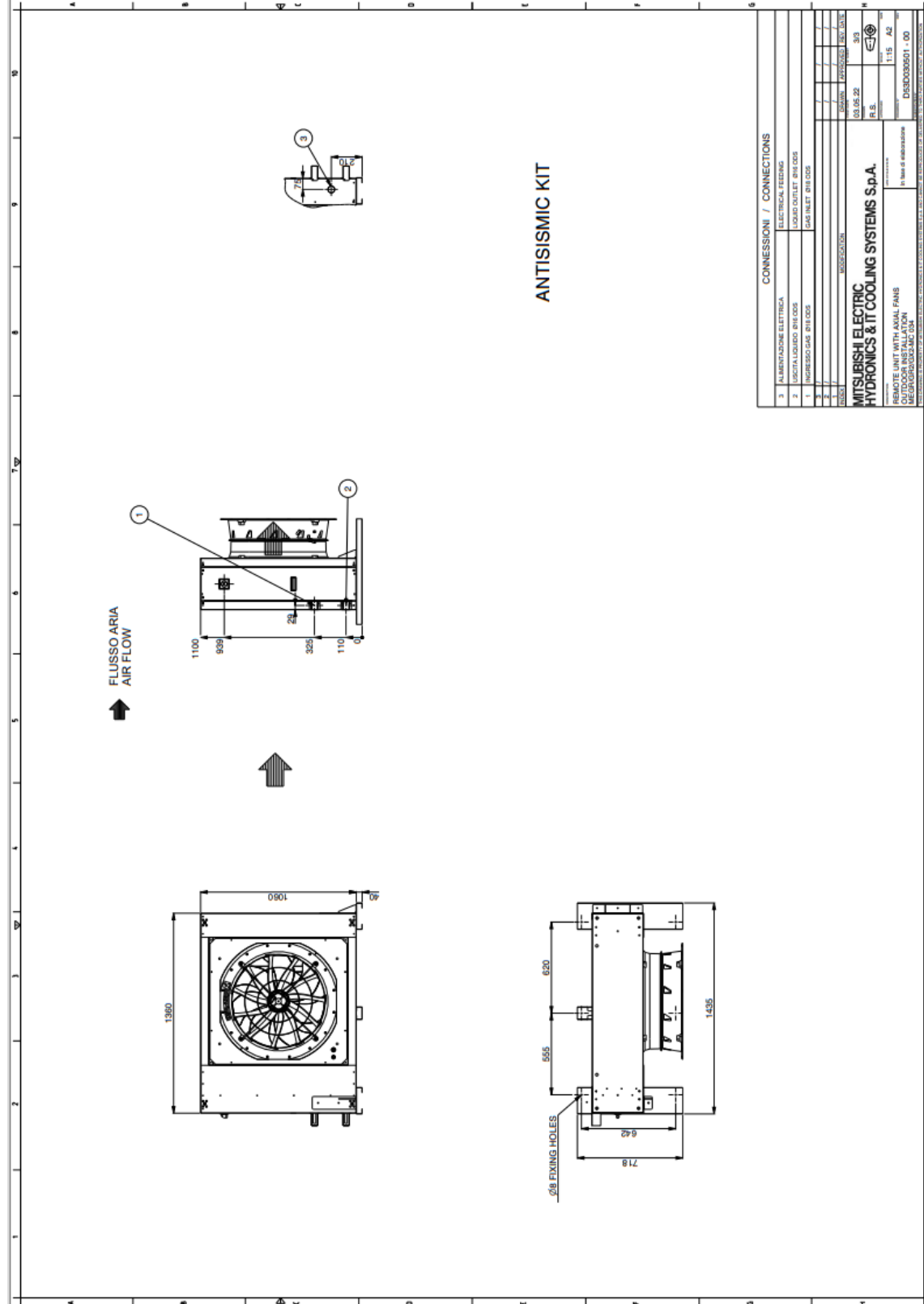
ANTISISMIC VERSION UNITS DRAWINGS
Dimensions in mm

MODEL 024 - 027



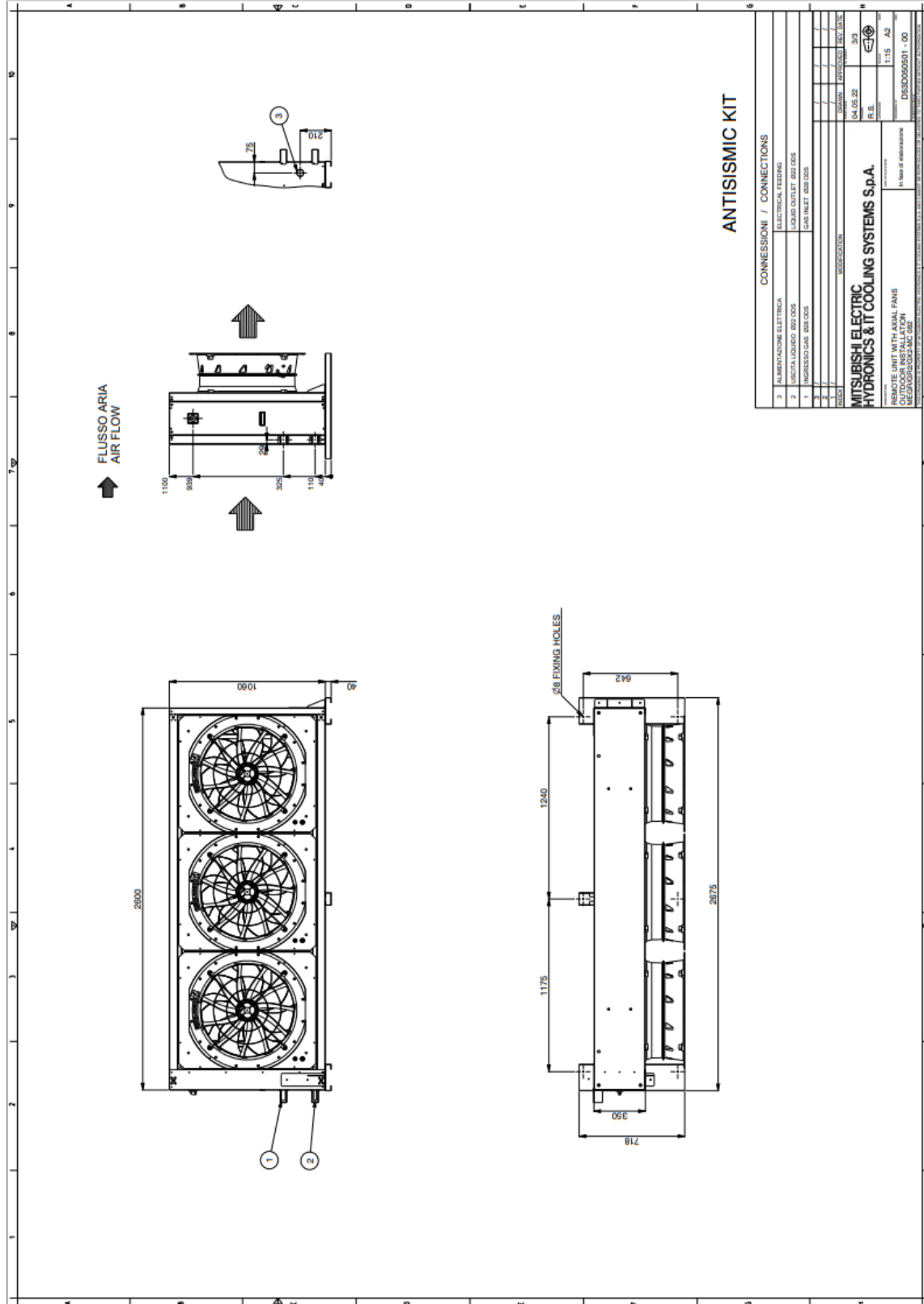
ANTISISMIC VERSION UNITS DRAWINGS
Dimensions in mm

MODEL 034



ANTISISMIC VERSION UNITS DRAWINGS
Dimensions in mm

MODEL 082



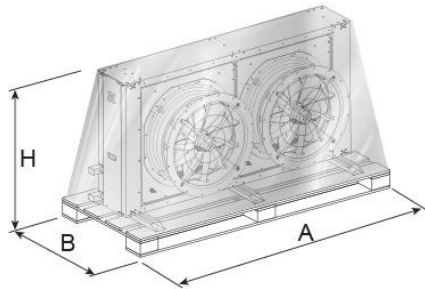
PACKAGE DIMENSIONS

Values refer to the basic machine. The presence of some accessories increases the weight of the machine.

MODELS WITH 1/2/3 FANS - HORIZONTAL AIR FLOW.

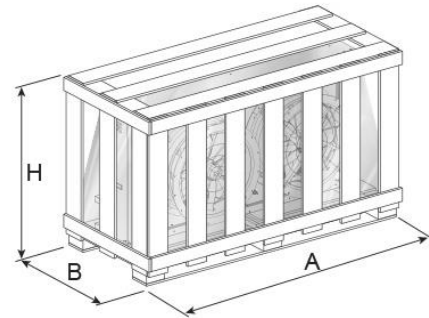
Machines are shipped on pallet and covered with shrink film. On request packing on pallet, covered with shrink film and wooden cage. When wooden cage is provided, stacking on top of each other on two levels is allowed.

STANDARD PACKAGE DIMENSIONS



Model	Model	A (mm)	B (mm)	H (mm)
013	014	1050	850	1050
015	019	1050	850	1050
024	028	1400	850	1050
027	036	1400	850	1050
034	045	1650	850	1250
049	057	2300	850	1250
055	065	2300	850	1250
067	074	2850	850	1250
082	088	2850	850	1250

ACCESSORY 9973 – WOODEN CAGE PACKAGE

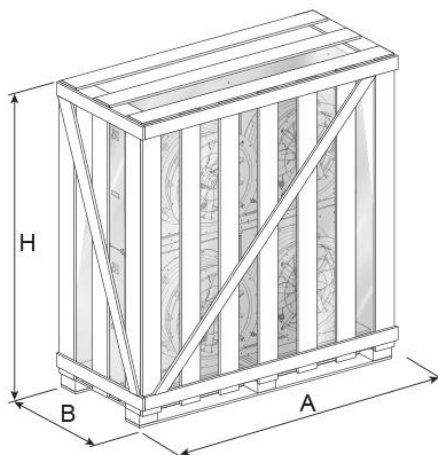


Model	Model	A (mm)	B (mm)	H (mm)
013	014	1100	900	1200
015	019	1100	900	1200
024	028	1450	900	1200
027	036	1450	900	1200
034	045	1700	900	1400
049	057	2350	900	1400
055	065	2350	900	1400
067	074	2900	900	1400
082	088	2900	900	1400

MODELS WITH 4/6 FANS - VERTICAL AIR FLOW.

Machines are shipped upright on pallet, covered with shrink film and wooden cage. Stacking not permitted.

WOODEN CAGE DIMENSIONS (STD ACCESSORY)



Model	Model	A (mm)	B (mm)	H (mm)
110	130	2350	900	2400
134	149	2950	900	2400
164	176	2950	900	2400

SHIPPING WEIGHT STANDARD MACHINES

Serie	Voltage	Model											
MEGR-MC-A	230/1/50	013	015	024	027	034	049	055	067	082	110	134	164
PACKING TYPE													
Standard	kg	47	47	66	66	80	123	123	153	173	---	---	---
Wooden cage	kg	61	61	81	81	96	143	143	183	203	283	337	377

Serie	Voltage	Model											
MEGR-MC-SL-A	230/1/50	013	015	024	027	034	049	055	067	082	110	134	164
PACKING TYPE													
Standard	kg	48	48	67	67	82	125	125	156	176	---	---	---
Wooden cage	kg	62	62	82	82	98	145	145	186	206	288	343	383

Serie	Voltage	Model											
MEGR-MC-E	230/1/50	013	015	024	027	034	049	055	067	082	110	134	164
PACKING TYPE													
Standard	kg	45	45	64	64	77	119	119	149	167	---	---	---
Wooden cage	kg	59	59	79	79	93	139	139	179	197	275	329	366

Serie	Voltage	Model											
MEGR-MC-SL-E	230/1/50	013	015	024	027	034	049	055	067	082	110	134	164
PACKING TYPE													
Standard	kg	46	46	65	65	79	121	121	152	170	---	---	---
Wooden cage	kg	60	60	80	80	95	141	141	182	200	280	335	372

(-- Not available)

Serie	Voltage	Model											
MEGR-TF-A	230/1/50	014	019	028	036	045	057	065	074	088	130	149	176
PACKING TYPE													
Standard	kg	62	79	91	116	148	163	179	221	239	---	---	---
Wooden cage	kg	76	94	106	132	168	183	199	251	269	418	494	530

Serie	Voltage	Model											
MEGR-TF-SL-A	230/1/50	014	019	028	036	045	057	065	074	088	130	149	176
PACKING TYPE													
Standard	kg	63	80	92	117	150	165	181	223	241	---	---	---
Wooden cage	kg	77	95	107	133	170	185	201	253	271	421	498	534

SHIPMENT

MEGR-MC

Data Book
DB_MEGR_092022_EN_REV00

Serie		Model											
MEGR-TF-E		014	019	028	036	045	057	065	074	088	130	149	176
PACKING TYPE													
Standard	kg	60	77	89	113	144	159	175	217	235	---	---	---
Wooden cage	kg	74	92	104	129	164	179	195	247	265	392	457	493

Serie		Model											
MEGR-TF-SL-E		014	019	028	036	045	057	065	074	088	130	149	176
PACKING TYPE													
Standard	kg	61	78	90	114	146	161	177	219	237	---	---	---
Wooden cage	kg	75	93	105	130	166	181	197	249	267	413	490	526

(--) Not available

SHIPPING WEIGHT ANTISISMIC UNITS

Serie		Voltage	Model											
MEGR-MC-A		230/1/50	013	015	024	027	034	049	055	067	082	110	134	164
PACKING TYPE														
Standard	kg	57,3	57,3	77	77	93	137	137	167	187	---	---	---	
Wooden cage	kg	71,3	71,3	92	92	109	157	157	197	217	---	---	---	

Serie		Voltage	Model											
MEGR-MC-SL-A		230/1/50	013	015	024	027	034	049	055	067	082	110	134	164
PACKING TYPE														
Standard	kg	58,3	58,3	78	78	95	139	139	170	190	---	---	---	
Wooden cage	kg	72,3	72,3	93	93	111	159	159	200	220	---	---	---	

Serie		Model											
MEGR-MC-E		013	015	024	027	034	049	055	067	082	110	134	164
PACKING TYPE													
Standard	kg	55,3	55,3	75	75	90	133	133	163	181	---	---	---
Wooden cage	kg	69,3	69,3	90	90	106	153	153	193	211	---	---	---

Serie		Model											
MEGR-MC-SL-E		013	015	024	027	034	049	055	067	082	110	134	164
PACKING TYPE													
Standard	kg	56,3	56,3	76	76	92	135	135	166	184	---	---	---
Wooden cage	kg	70,3	70,3	91	91	108	155	155	196	214	---	---	---

(--) Not available

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