



MULTI PLO<sup>®</sup>



**All constraints abolished**

Finally you can have the right climate just where you need it. The Multipllo indoor unit can be installed practically anywhere, even in places thought impossible. No complex, costly installations needed here.

Installation problems? Solved!

## Great air flow

Multiplo has been designed for great air flow, both in summer and winter since it also functions as a heat pump.

The high quality of the components and meticulous production make Multiplo an exceptionally quiet conditioner.

The multi-directional flaps distribute the conditioned air in the best way, avoiding irritating direct flows but creating a delightful cascade of wellbeing.

## Directional louvered vents

These vents always provide the best flow of cooled air, conveying it in the desired direction and preventing direct drafts on the people in the room. The air flow can be directed in various directions: all in one direction or distributed on both sides. A practical and functional air outlet grill permits Multiplo to be fitted to low walls.

## Digital comfort

The main functions are clear and intuitive; the accessory functions are contained in a special hide-away compartment to be accessed only when needed.

- Operation alarms.
- Dirty filter warning.
- Dehumidification function.
- Timer.
- Smile Button to automatically set a comfortable room temperature.
- Moon Button to optimise the synchronisation of the temperatures with the metabolic phases of sleep.

## Three means of installation

**DIRECT:** the pipes and wires are run through a chase.

**PASSING DUCT:** the pipes and cables run through a duct that can exit on the right or left.

**FLANKED DUCT:** the pipes and cables run through a duct that exits on the side.

## Never have things been so easy

You will be surprised by what it offers. You can install Multiplo where you choose, not where you are forced to install it.

Thanks to its air flow ducts, its flow direction system and the possibility of ceiling, wall and floor mounting, you can install it practically anywhere.



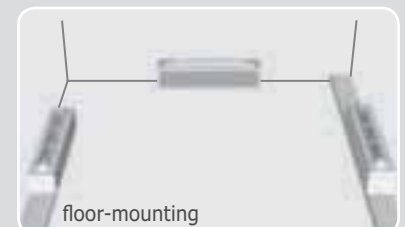
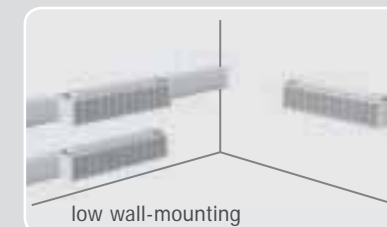
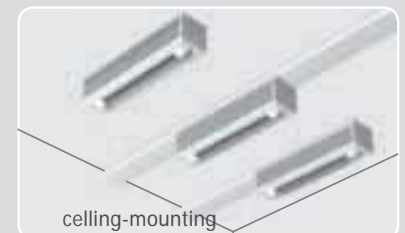
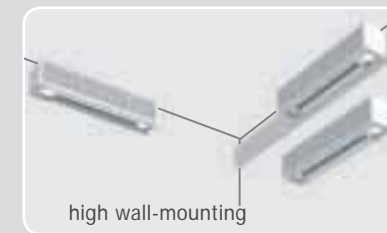
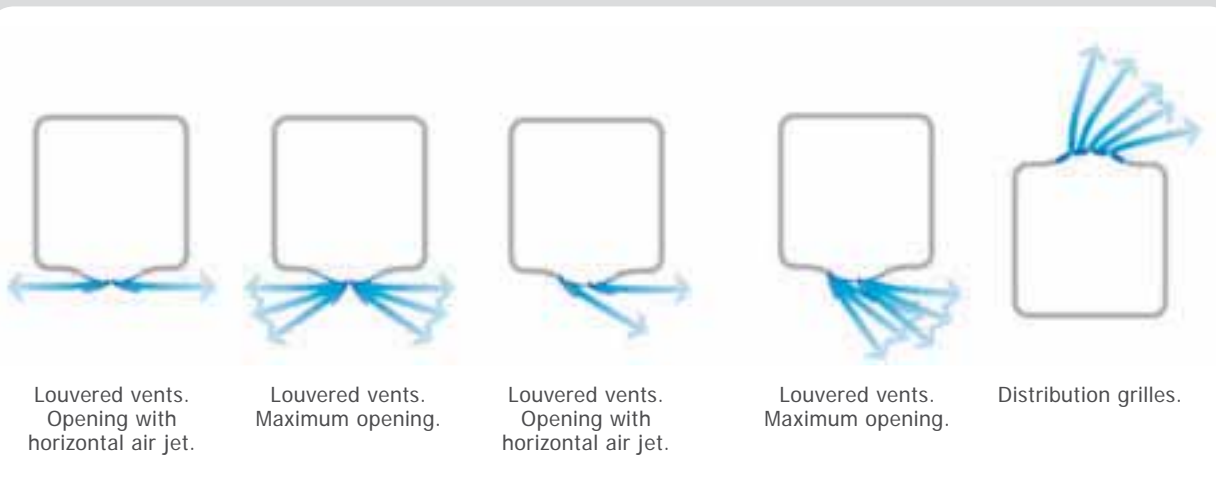
## Outdoor unit

The Multiplo outdoor unit is not very deep (220 mm). It is built of weather-resistant materials and can easily be installed on the floor or wall-mounted. The side casing covers the connection valves for an aesthetically-pleasing installation.



## Silently

High quality components and meticulous construction make Multiplo a truly quiet unit. These insights ensure low noise levels, both day and night.





		Multiplo 8HP HE	Multiplo 12HP HE	Multiplo 16HP HE
		OS-CMSH/SMSH-08E	OS-CMSH/SMSH-12E	OS-CMSH/SMSH-16E
Cooling capacity (1)	kW	2,14	3,56	4,42
Heating capacity (2)	kW	2,22	3,68	4,68
Absorbed power in cooling mode (1)	W	660	1.110	1.470
Absorbed power in heating mode (2)	W	650	1.080	1.460
Nominal absorption (cooling - heating)	A	2,9 / 2,9	4,9 / 4,8	6,5 / 6,5
Dehumidification capacity	l/h	0,75	1,2	1,6
Power supply	V - F - Hz	230 - 1 - 50	230 - 1 - 50	230 - 1 - 50
Protection rating (Outdoor unit)	l/h	IP24 / IP20	IP24 / IP20	IP24 / IP20
E.E.R.	-	3,24	3,41	3,01
C.O.P.	-	3,42	3,41	3,21
<b>Indoor unit</b>				
Cooling air flow rate (max/med/min)	m <sup>3</sup> /h	370 - 300 - 250	480 - 400 - 310	590 - 510 - 410
Heating air flow rate (max/med/min)	m <sup>3</sup> /h	370 - 300 - 250	480 - 400 - 310	590 - 510 - 410
Dimensions (L x H x D)	mm	1.050 x 250 x 225	1.050 x 250 x 225	1.300 x 250 x 225
Sound level (sound pressure*/sound power**)	db(A) min/max	30 - 37 / 39 -48	32 - 39 / 41 -50	33 - 41 / 42 -53
Weight	Kg	12	12	15
<b>Outdoor unit</b>				
Dimensions (L x H x D)	mm	810 x 530 x 220	810 x 530 x 220	930 x 730 x 260
Air flow rate (max)	m <sup>3</sup> /h	1700	1700	2300
Sound level (sound pressure*/sound power**)	db(A)	49 / 58	51 / 60	53 / 62
Weight	Kg	34	36	58
Ø Connection lines (liquid)	inch - mm	1/4" - 6.35	1/4" - 6.35	3/8" -9,52
Ø Connection lines (gas)	inch - mm	3/8 - 9.52	1/2 - 12,7	5/8" -15,88
Maximum hose length	m	15	15	15
Vertical limit	m	5	5	5
Additional load (above 8 m)	g/m	20	20	20
Refrigerant Gas	Kind/kg	R410A/0,88	R410A/0,85	R410A/1,68
Power supply cable	-	2,5-3	2,5-3	2,5-3
Connecting cable	-	2,5-5	2,5-5	2,5-5
Maximum remote control distance	m/°	8 m / 80°	8 / 80°	8 / 80°
Energy efficiency class in cooling mode		A	A	B
Energy efficiency class in heating mode		B	B	C
Conformity labelling		CE	CE	CE
Fuse		16AT	16AT	16AT

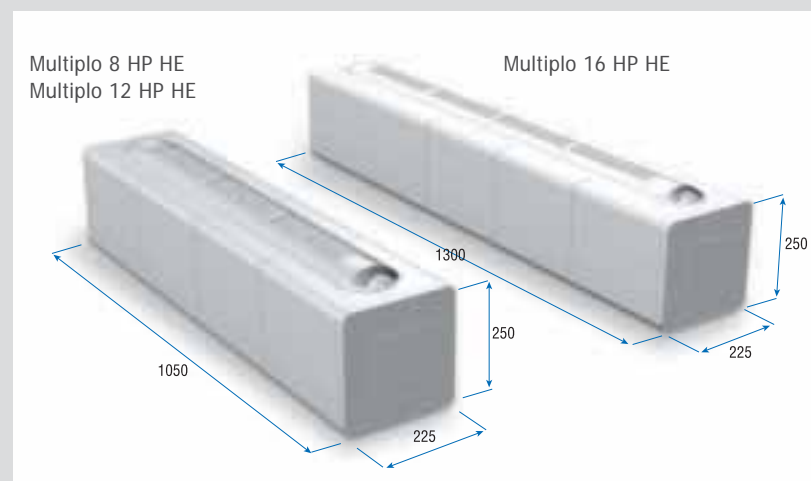
OPERATING TEMPERATURES	Indoor temperature	Outdoor temperature
Maximum temp. in cooling mode	DB 32°C - WB 24°C	DB 43°C
Minimum temp. in cooling mode	DB 18°C - WB 12°C	DB 15°C
Maximum temp. in heating mode	DB 25°C	DB 23°C - WB 32°C
Minimum temp. in heating mode	DB 14°C	DB -5°C
TESTING CONDITIONS	Indoor temperature	Outdoor temperature
(1) Cooling capacity	DB 27°C - WB 19°C	DB 35°C - WB 24°C
(2) Heating capacity	DB 20°C - WB 15°C	DB 7°C - WB 6°C
(3) High cooling load	DB 32°C - WB 24°C	DB 43°C - WB 32°C
(4) High heating load	DB 25°C	DB 20°C - WB 17°C

The technical data are referred to EN 14511.

\*The sound **pressure** was measured in a semi-anechoic chamber at one meter from the front panel of the unit and with the microphone set at a height of one meter off the floor.

\*\*The sound **power** was measured in compliance with ISO 3741.

Hp = heat pump - HE = high efficiency (energy savings / high performance)





	Multiplo 18 HP HE	Multiplo 24 HP HE
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	OS-C/SEYDHO9EI	OS-C/SEYDH12EI
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Cooling capacity (1)	kW	5,38	6,96
Heating capacity (2)	kW	5,62	7,05
Absorbed power in cooling mode (1)	W	1.790	2.460
Absorbed power in heating mode (2)	W	1.750	2.170
Nominal absorption in cooling mode (1)	A	8,2	11,3
Nominal absorption in heating mode (2)	A	8,0	10,0
Dehumidification capacity	l/h	2,5	1,7
Power supply	V - F - Hz	230 - 1 - 50	230 - 1 - 50
Maximum absorbed power in cooling mode (3)	W	2.100	2.850
Maximum absorbed power in heating mode (4)	W	2.000	2.580
Maximum Nominal absorption in cooling mode (3)	A	9,6	13,0
Maximum Nominal absorption in heating mode (4)	A	9,1	11,8
Protection rating (Outdoor unit)	-	IP24/IP20	IP24/IP20
Max. operating pressure	MPa	4,15	4,15
<b>Indoor unit:</b>		<b>OS-SMMSH08E</b>	<b>OS-SMMSH08E</b>
Cooling air flow rate (max/med/min)	m³/h	440 - 380 - 310	440 - 380 - 310
Heating air flow rate (max/med/min)	m³/h	440 - 380 - 310	440 - 380 - 310
Cooling capacity with a single unit running	kW	2,67	2,78
Heating capacity with a single unit running	kW	3,06	3,32
Dimensions (L x H x D)	mm	1.050 x 250 x 225	1.050 x 250 x 225
Sound level (sound pressure*/sound power**)	dB(A)min-max	30 - 37 / 39 - 48	30 - 37 / 39 - 48
Weight	Kg	12	12
<b>Indoor unit:</b>		<b>OS-SMMSH12E</b>	<b>OS-SMMSH12E</b>
Cooling air flow rate (max/med/min)	m³/h	480 - 400 - 310	480 - 400 - 310
Heating air flow rate (max/med/min)	m³/h	480 - 400 - 310	480 - 400 - 310
Cooling capacity with a single unit running	kW	3,67	3,90
Heating capacity with a single unit running	kW	3,98	4,38
Dimensions (L x H x D)	mm	1.050 x 250 x 225	1.050 x 250 x 225
Sound level (sound pressure*/sound power**)	dB(A)min-max	32 - 39 / 41 - 50	32 - 39 / 41 - 50
Weight	Kg	12	12
<b>Outdoor unit:</b>		<b>OS-CMMSH18E</b>	<b>OS-CMMSH24E</b>
Dimensions (L x H x D)	mm	930 x 730 x 260	930 x 730 x 260
Air flow rate (max)	m³/h	2.300	2.300
Sound level (sound pressure*/sound power**)	dB(A)	48 - 55 / 54 - 64	48 - 55 / 54 - 64
Weight	Kg	60	68
Ø Connection lines (liquid)	pollici - mm	1 / 4" - 6,35	1 / 4" - 6,35
Ø Connection lines (gas - 12000)	pollici - mm	1 / 2" - 12,7	1 / 2" - 12,7
Ø Connection lines (gas - 8000)	pollici - mm	3 / 8" - 9,52	3 / 8" - 9,52
Maximum hose length	m	15	15
Vertical limit	m	5	5
Additional load (above 8 m)	g/m	20	20
Refrigerant Gas	Kind	R410A/1,62	R410A/1,62
Power supply cable	sez.mmq x n°poli	4 x 3	4 x 3
Connection cable	sez.mmq x n°poli	1,5 x 5	1,5 x 5
Maximum remote control distance	m/°	8/80°	8/80°
Fuse	-	25 AT	25 AT
Conformity labelling	-	CE	CE

## Multiplo 18 HP HE Couplings

### Configuration 8+8

Cooling capacity (1)	kW	2,46 + 2,46
Heating capacity (2)	kW	2,60 + 2,60
Absorbed power in cooling mode (1)	W	1.750
Absorbed power in heating mode (2)	W	1.780
Annual energy consumption in cooling mode (1) (Dir.2002/31/CE)	kWh	875
E.E.R.	-	2,81
C.O.P.	-	2,92
Energy eff. class in cooling mode	-	C
Energy eff. class in heating mode	-	D

### Configuration 8+12

Cooling capacity (1)	kW	2,31 + 3,01
Heating capacity (2)	kW	2,41 + 3,11
Absorbed power in cooling mode (1)	W	1.770
Absorbed power in heating mode (2)	W	1.720
Annual energy consumption in cooling mode (1) (Dir.2002/31/CE)	kWh	885
E.E.R.	-	3,01
C.O.P.	-	3,21
Energy eff. class in cooling mode	-	B
Energy eff. class in heating mode	-	C

### Configuration 12+12

Cooling capacity (1)	kW	2,69 + 2,69
Heating capacity (2)	kW	2,81 + 2,81
Absorbed power in cooling mode (1)	W	1.790
Absorbed power in heating mode (2)	W	1.750
Annual energy consumption in cooling mode (1) (Dir.2002/31/CE)	kWh	895
E.E.R.	-	3,01
C.O.P.	-	3,21
Energy eff. class in cooling mode	-	B
Energy eff. class in heating mode	-	C

## Multiplo 24 HP HE Couplings

### Configuration 12+12

Cooling capacity (1)	kW	3,09 + 3,09
Heating capacity (2)	kW	3,23 + 3,23
Absorbed power in cooling mode (1)	W	2.370
Absorbed power in heating mode (2)	W	2.300
Annual energy consumption in cooling mode (1) (Dir.2002/31/CE)	kWh	1.185
E.E.R.	-	2,61
C.O.P.	-	2,81
Energy eff. class in cooling mode	-	D
Energy eff. class in heating mode	-	D

## Multiplo 24 HP HE Couplings

### Configuration 8+8+8

Cooling capacity (1)	kW	2,25 + 2,25 + 2,25
Heating capacity (2)	kW	2,27 + 2,27 + 2,27
Absorbed power in cooling mode (1)	W	2.140
Absorbed power in heating mode (2)	W	2.130
Annual energy consumption in cooling mode (1) (Dir.2002/31/CE)	kWh	1.205
E.E.R.	-	2,80
C.O.P.	-	3,20
Energy eff. class in cooling mode	-	C
Energy eff. class in heating mode	-	C

### Configuration 8+8+ 12

Cooling capacity (1)	kW	2,05 + 2,05 + 2,71
Heating capacity (2)	kW	2,05 + 2,05 + 2,79
Absorbed power in cooling mode (1)	W	2.430
Absorbed power in heating mode (2)	W	2.150
Annual energy consumption in cooling mode (1) (Dir.2002/31/CE)	kWh	1.215
E.E.R.	-	2,80
C.O.P.	-	3,20
Energy eff. class in cooling mode	-	C
Energy eff. class in heating mode	-	C

### Configuration 8+ 12+ 12

Cooling capacity (1)	kW	1,97 + 2,47 + 2,47
Heating capacity (2)	kW	1,98 + 2,50 + 2,50
Absorbed power in cooling mode (1)	W	2.460
Absorbed power in heating mode (2)	W	2.170
Annual energy consumption in cooling mode (1) (Dir.2002/31/CE)	kWh	1.230
E.E.R.	-	2,81
C.O.P.	-	3,22
Energy eff. class in cooling mode	-	C
Energy eff. class in heating mode	-	C

### Configuration 12+12+12

Cooling capacity (1)	kW	2,32 + 2,32 + 2,32
Heating capacity (2)	kW	2,35 + 2,35 + 2,35
Absorbed power in cooling mode (1)	W	2.470
Absorbed power in heating mode (2)	W	2.180
Annual energy consumption in cooling mode (1) (Dir.2002/31/CE)	kWh	1.235
E.E.R.	-	2,82
C.O.P.	-	3,23
Energy eff. class in cooling mode	-	C
Energy eff. class in heating mode	-	C