

# A\_CB HYBRID

Producer of domestic hot water and hybrid heating with on-board gas burner with forced draft combined with patented exchanger / condenser module POWER UNIT



Module exchanger capacitor patent

Accumulator radiator from 300 liters with a burner on board methane from 30 kW



Control panel and electronic control remote



External unit Booster HR

Model	Thermal flow burner kW	Thermal power Heat pump kW	Volume Liters	Code	€
A_CB HYBRID 3.0	33,0	3,11	300	37301400	8.674,00
A_CB HYBRID 7.8	33,0	8,12	300	37301401	9.800,00

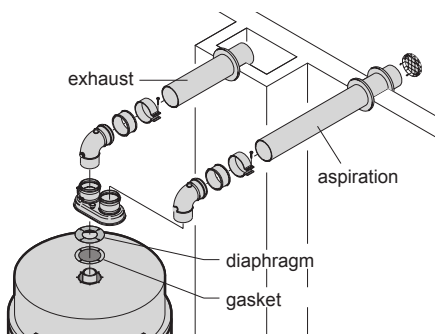
## Accessories A\_CB HYBRID



First mandatory ignition (net price)

35639901

100,00



### horizontal split exhaust kit including:

- n. 1 80/125 to 80/80 splitter with gaskets
- n. 2 x 1 meter tubes
- n. 1 smoke exhaust terminal
- n. 4 Ø 80 wall-covering rosettes
- n. 1 air intake terminals
- n. 2 curves Ø 80 to 90°
- Maximum length without changes of direction 20 meters (as a sum of suction and discharge)

37301320

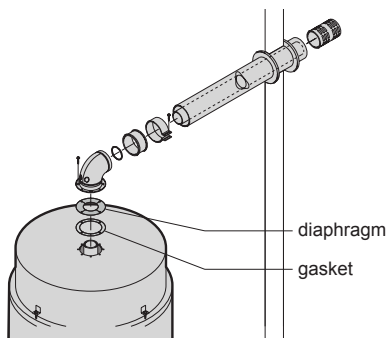
308,00

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## Accessori A\_CB HYBRID

Code €



### horizontal coaxial kit including:

- n. 1 coaxial tube from Ø 80/125 with terminal
- n. 4 wall-covering rosettes Ø 125
- n. 1 coaxial curve Ø 80/125 to 90 °
- Maximum length without changes of direction 3 meters

37301321 230,00



Control panel and remote control  
wall or recessed

75100005 228,00



Load monitoring  
relay for the  
management of the  
absorbed power

**mod. Connection BUS**  
**mod. Radiofrequency**

37081062 78,00  
37081063 114,00



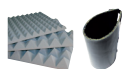
Web server

75101005 790,00



Programmer clock kit

35639900 110,00



Silenced Booster Kit

75100001 184,00



Anchor shelf for Booster HR  
including rubber antivibration

**mod. Booster 3.0**  
**mod. Booster 7.8**

37081060 78,00  
37081061 114,00



Flexible anti-vibration joint kit with connection folder  
and union for Booster HR 3.0 straight  
(3/8" joint only)

75100014 230,00



Flexible anti-vibration joint kit with connection folder  
and nozzle for Booster HR 3.0 90° curved  
(3/8" joint only)

75100015 120,00



Flexible anti-vibration joint kit with connection folder  
and filler for Booster HR 7.8 straight  
(complete with 5/8" joint and 3/8" joint)

75100016 240,00



Flexible anti-vibration joint kit with connection folder  
and filler for Booster HR 7.8 curved at 90°  
(complete with 5/8" joint and 3/8" joint)

75100017 130,00



Anti-vibration floor base in vulcanized rubber  
for Booster HR 3.0 and Booster HR 7.8

75100018 88,00



Anti-vibration kit for ground installation

75100021 28,00



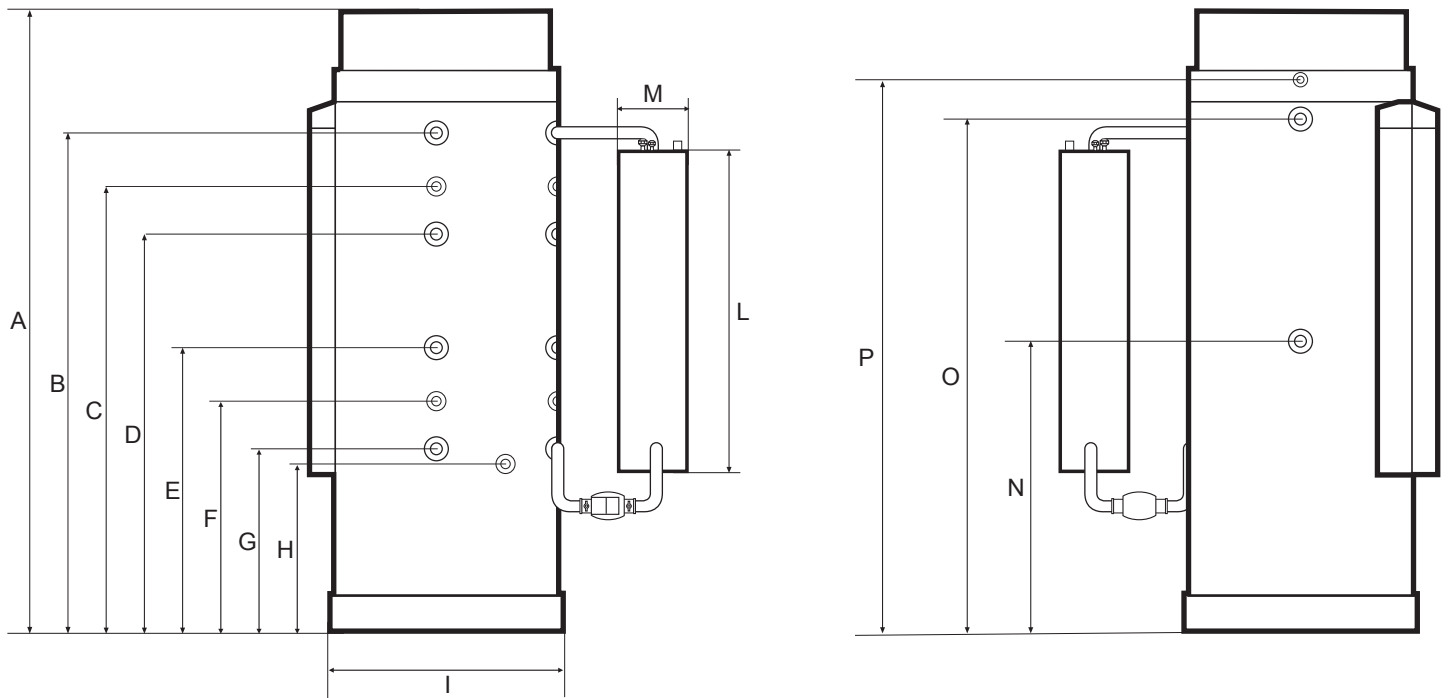
Anti-vibration kit for installation on shelves

75100022 16,00

# A\_CB HYBRID

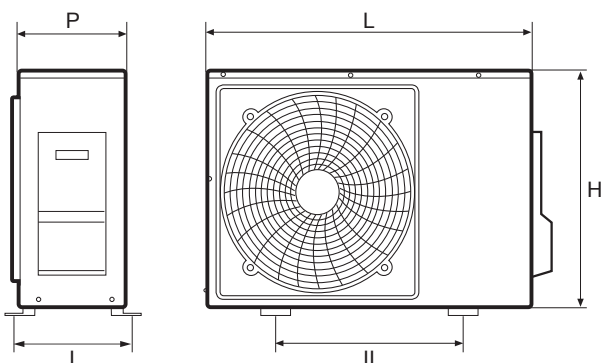
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## Dimensions and dimensions of the indoor unit A\_CB HYBRID



A	B	C	D	E	F	G	H	I	L	M	N	O	P
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
1950	1460	1330	1160	830	680	530	500	800	940	192	820	1530	1620

## Outdoor unit size A\_CB HYBRID



Models	U.M.	HR 3.0	HR 7.8
L	mm	700	902
H	mm	552	650
P	mm	256	307
I	mm	275	350
II	mm	435	620
Refrigerating quantity	Kg	1,1	2,1
Refrigerant type		R410A	
Refrigerant gas connections		3/8"	5/8"
Refrigerant fluid connections		1/4"	3/8"
Nominal air flow rate	m <sup>3</sup> /h	1650	3280
Power supply		230V/1/50Hz	
Sound level	dB(A)	52	60
Weight	Kg	33	55

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**Technical data table A\_CB HYBRID**

DESCRIPTION	U.M.	A_CB HYBRID 3.0	A_CB HYBRID 7.8
Thermal power HR booster in heat pump <sup>(1)</sup>		3,11	8,12
Power consumption Booster HR in heat pump <sup>(1)</sup>	kW	0,75	1,96
C.O.P. HR booster in PdC <sup>(1)</sup>	kW	4,17	4,14
Thermal power HR booster in heat pump <sup>(2)</sup>	W/W	2,97	7,75
Power consumption HR booster in heat pump <sup>(2)</sup>	kW	0,91	2,42
C.O.P. HR booster in heat pump <sup>(2)</sup>	kW	3,28	3,20
S.C.O.P. HR booster in heat pump <sup>(3)</sup>	W/W	3,78	3,71
Defrosting method		Cycle inversion with immersion condensers	
Type of refrigerant		R410A	
Technical water temperature max	°C	80	
Min distance between IU and OU	m	3	
Max distance between IU and OU without charging	m	5	
Max distance between IU and OU with recharge	m	15	
Max difference in height between outdoor and indoor units	m	5	
Power supply		230V/1/50Hz	
Accumulation volume	l	300	
Max water pressure	bar	6	
Nominal burner thermal power	kW	44,5	
Useful burner thermal power	kW	38,8	
Burner efficiency	%	94	
Consumption of methane gas	m <sup>3</sup> /h	4,6	
LPG gas consumption	Kg/h	3,3	
Start-up time ( $\Delta T$ 25 °C)	min	18	15
Start-up time ( $\Delta T$ 45 °C)	min	33	28
Start-up time ( $\Delta T$ 65 °C)	min	47	43
Quantity of water in a single sample ( $\Delta T$ 25 °C)	l	1120	1158
Amount of water in a single sample ( $\Delta T$ 45 °C)	l	622	648
Continuous hourly production ( $\Delta T$ 25 °C)	l/h	1341	1502
Continuous hourly production ( $\Delta T$ 30 °C)	l/h	1118	1230
Continuous hourly production ( $\Delta T$ 45 °C)	l/h	745	816
Continuous hourly production ( $\Delta T$ 65 °C)	l/h	516	564
Empty weight	Kg	247	256
Weight to full	Kg	778	787

(1) Heating: outdoor air temperature 7 °C b.d. - 6 °C b.h. ; inlet / outlet water temperature 30/35 °C

(2) Heating: outdoor air temperature 7 °C b.d. - 6 °C b.h. ; inlet / outlet water temperature 40/45 °C

(3) Heating: average climate conditions; T.biv = -7 °C; inlet / outlet water temperature 30/35 °C