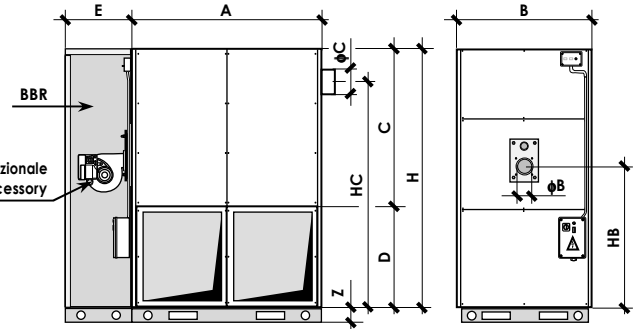
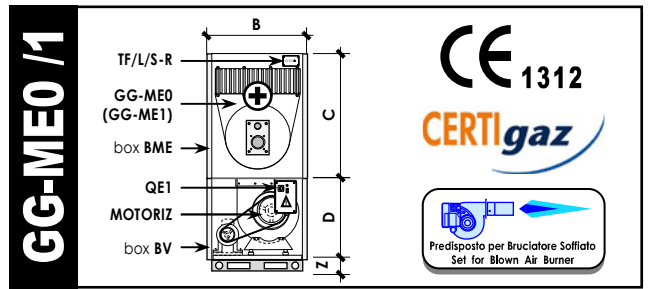
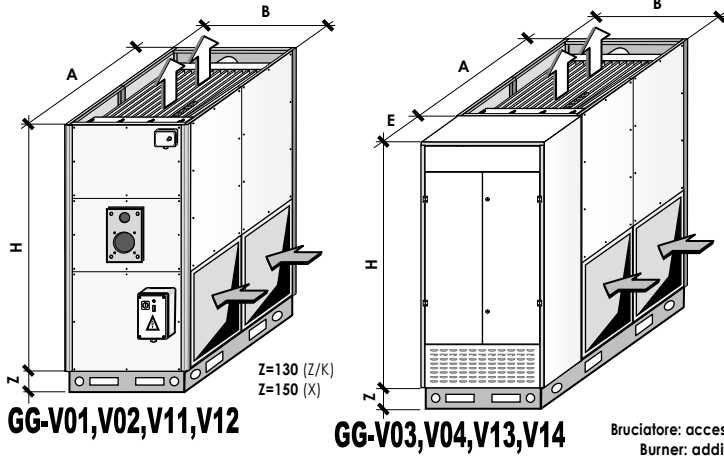


Generatore aria calda = Centrale Trattamento Aria autonoma con Modulo energetico
Air heater unit = Independent Air Handling Unit provided with Energy Module



ECODESIGN

STANDARD ERP COMPLIANT

Standard & Condensazione a funzionamento termico modulante
Standard & Condensation with modulating thermal operation

Taglia - Size	GG (MEO/1)	GG 12	GG 15	GG 20	GG 25	GG 29	GG 30	GG 40	GG 60	GG 80	GG110	GG130	GG160	GG200	
Pot. termica - Thermal input (Bruciata-Burnt) Pn	Nom=Max kW	14	18	23	28	33	34	46	69	93	127	151	186	232	
Pot. termica utile - Heating capacity output	Max kW	12,7	16,6	21,1	26,0	30,5	31,4	42,4	63,1	84,6	115,7	137,1	169,1	211,1	
Pot. termica - Thermal input (Bruciata-Burnt)	Min kW	5,6	7,2	9,2	11,2	13,2	13,6	18,4	27,6	37,2	50,8	60,4	74,4	92,8	
Pot. termica utile - Heating capacity output	Min kW	5,7	7,4	9,5	11,6	13,6	14,0	19,0	28,3	38,1	52,0	61,6	76,0	94,7	
Rendimento termico	Max % (η _{max} @40%Pn)	102,0	103,2	103,0	103,3	103,2	103,2	103,1	102,6	102,3	102,3	102,0	102,1	102,1	
Thermal efficiency (Hi)	Min % (Nom., η _{min} @100%Pn)	90,8	92,4	91,7	92,7	92,4	92,4	92,2	91,4	91,0	91,1	90,8	90,9	91,0	
Portata aria - Air flow	m ³ /h	800	1.400	1.600	2.300	2.500	2.600	3.400	4.400	5.500	7.600	8.600	10.800	13.600	
Pressione statica utile - Static pressure	Pa	60	130	110	180	140	170	140	140	150	285	180	205	240	
Livello sonoro - Sound level	dB(A)	44	51	51	56	56	54	53	58	57	65	63	66	68	
ΔT aria uscita-ingresso - Air supply-intake ΔT @100%Pn	°C	48	36	40	34	37	37	38	43	47	46	48	47	47	
Motore elettrico - Electrical motor	kW(out)	1x 0,115	1x 0,145	1x 0,145	1x 0,37	1x 0,37	1x 0,37	1x 0,55	1x 0,735	1x 0,735	1x 1,5	1x 1,5	1x 2,2	1x 3,0	
Alimentazione elettrica - Power supply		230Vac-1Ph-50/60Hz						400Vac-3Ph+N-50/60Hz							
Dimensioni (Fornitura standard: GG12-V...400-V in unico pezzo; GG450-V...1200-V in 2 sezioni separate) - Dimensions (Standard supplied: GG12-V...400-V in one piece; GG450-V...1200-V in 2 separate sections)															
Dimensioni	A mm	450	450	650	650	650	750	750	900	900	1.000	1.000	1.400	1.400	
Dimensions	B mm	450	450	500	500	500	500	500	650	650	850	850	1.000	1.000	
	H mm	1.300	1.300	1.400	1.400	1.400	1.600	1.600	1.800	1.800	2.100	2.100	2.300	2.300	
Peso netto - Net weight	kg	85	90	92	96	100	115	130	170	190	260	300	420	470	
Sezioni-Sections ME/MOTORIZ	C - D mm-mm	C=900 - D=400		C=940 - D=460		C=1.100 - D=500		C=1.200 - D=600		C=1.450 - D=650		C=1.550 - D=750			
Box bruciatore - Burner box	E mm	400		400		400		450		500		700			
Flangia Bruciatore - Burner Flange	HB x phiB mmxmm	HB.590 x phiB.100		HB.675 x phiB.100		HB.760 x phiB.110		HB.930 x phiB.110/140		HB.1095 x phiB.140		HB.1155 x phiB.160			
Scarico fumi - Smokes exhaust	HC x phiC mmxmm	HC.970 x phiC.120		HC.1055 x phiC.120		HC.1235 x phiC.120		HC.1440 x phiC.160		HC.1730 x phiC.180		HC.1905 x phiC.200			

Scelta del bruciatore - Burner selection		Lunghezza boccaglio - Nozzle length		Diametro boccaglio - Nozzle diameter		Contropress. camera comb. - Counter pressure comb. chamber	
	MIN-MAX mm	min.85 - max.130	min.85 - max.130	min.100 - max.210	min.100 - max.210	min.100 - max.210	min.100 - max.280
Diametro boccaglio - Nozzle diameter	MAX mm	90	90	90	100	100	150
Contropress. camera comb. - Counter pressure comb. chamber	Pa	16	18	16	20	25	45

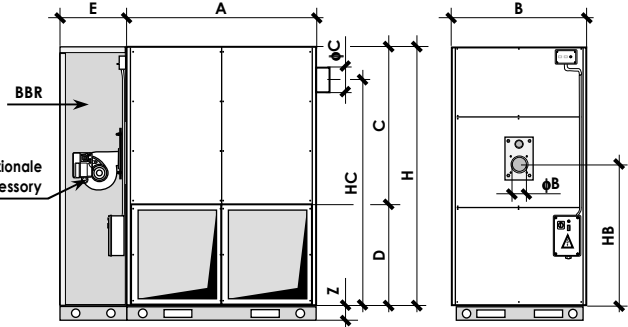
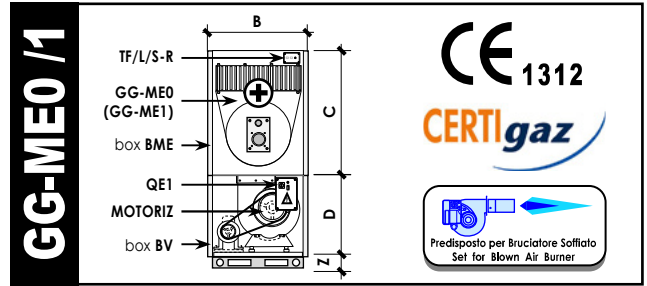
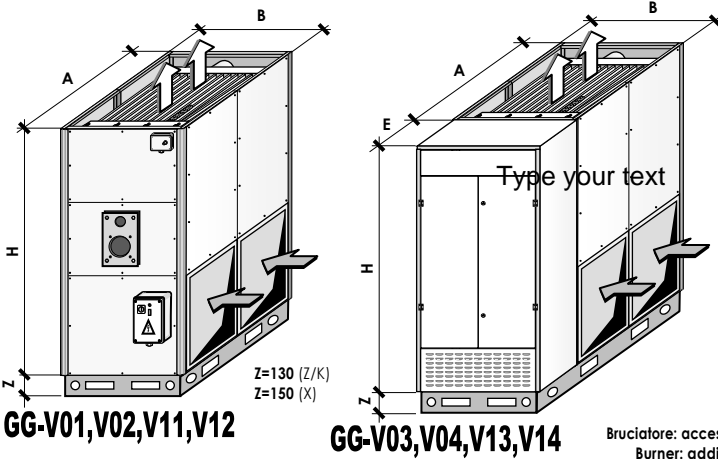
Sezioni e componenti - Sections and components																
BME-K(1)	Box Modulo Ener. (doppio pan., preverniciata) Box Energy module (double panel, pre-painted)	Mod.	BME-K00-V			BME-K0-V			BME-K1-V		BME-K2-V		BME-K3-V		BME-K4-V	
BME-KZ(2)	Box Modulo ener. (doppio pannello, zincata) Box Energy module (double panel, galvanized)	Mod.	BME-KZ00-V			BME-KZ0-V			BME-KZ1-V		BME-KZ2-V		BME-KZ3-V		BME-KZ4-V	
GG-MEO(3)	Camera + Scambiatore Full Alluminato Chamber + Exchanger Full Aluminates	Mod.	GG12-MEO GG15-MEO	GG20-MEO	GG25-MEO	GG29-MEO	GG30-MEO	GG40-MEO	GG60-MEO	GG80-MEO	GG110-MEO	GG130-MEO	GG160-MEO	GG200-MEO		
GG-ME1(4)	Camera AISI 430 + Scambiatore Alluminato Chamber AISI 430 + Exchanger Aluminates	Mod.	GG12-ME1 GG15-ME1	GG20-ME1	GG25-ME1	GG29-ME1	GG30-ME1	GG40-ME1	GG60-ME1	GG80-ME1	GG110-ME1	GG130-ME1	GG160-ME1	GG200-ME1		
BV-P(5)	Box sezione Ventilante (solo cassa preverniciata) Box Ventilating section (pre-painted casing only)	Mod.	BV-P00-V			BV-P0-V			BV-P1-V		BV-P2-V		BV-P3-V		BV-P4-V	
BV-Z(6)	Box sezione Ventilante (solo cassa zincata) Box Ventilating section (galvanized casing only)	Mod.	BV-Z00-V			BV-Z0-V			BV-Z1-V		BV-Z2-V		BV-Z3-V		BV-Z4-V	
MOTORIZ(7)	Motorizzazione (Motore+Ventilatore) Motorization (Motor+Fan)	n° X Mod.	D146L190.43 1xD1.43	1xD1.43	1xD2.43	1xD2.43	1xD3.43	1xD5.43	1xD6.63	1xD7.63	L9-1.5n793	L9-1.5n668	L10-2.2n638	L11-3.0n668		
QE1(8)	Quadro elettrico Electric board	Mod.	1x QM-1V-10A			1x QM-1V-10A			1x QM-1V-10A		1x QM-1V-10A		1x QE1-1.5	1x QE1-1.5	1x QE1-2.2	1x QE1-3.0
TF/L/S-R(9)	Kit 3 termostati (TF+TL+TS-R) 3 thermostats kit (TF+TL+TS-R)	Mod.	TF/L/S-R			TF/L/S-R			TF/L/S-R		TF/L/S-R		TF/L/S-R		TF/L/S-R	
BBR-P(10)	Box Bruciatore (preverniciato) Box Burner (pre-painted)	Mod.	BBR-P00-V			BBR-P0-V			BBR-P1-V		BBR-P2-V		BBR-P3-V		BBR-P4-V	
BBR-Z(11)	Box Bruciatore (zincato) Box Burner (galvanized)	Mod.	BBR-Z00-V			BBR-Z0-V			BBR-Z1-V		BBR-Z2-V		BBR-Z3-V		BBR-Z4-V	

MEO	V01	Vertical preverniciata/pre-painted (1+3+5+7+8+9)	Cod.													
			120012018	120015018	120020018	120025018	120029018	120030018	120040018	120060018	120080018	120110018	120130018	120160018	120200018	
MEO	V02	Vertical zincata/galvanized (2+3+6+7+8+9)	120012019	120015019	120020019	120025019	120029019	120030019	120040019	120060019	120080019	120110019	120130019	120160019	120200019	
	V03	Vertical preverniciata/pre-painted + BOX (1+3+5+7+8+9+10)	120012020	120015020	120020020	120025020	120029020	120030020	120040020	120060020	120080020	120110020	120130020	120160020	120200020	
MEO	V04	Vertical zincata/galvanized + BOX (2+3+6+7+8+9+11)	120012021	120015021	120020021	120025021	120029021	120030021	120040021	120060021	120080021	120110021	120130021	120160021	120200021	
	V11	Vertical preverniciata/pre-painted (1+4+5+7+8+9)	120012001	120015001	120020001	120025001	120029001	120030001	120040001	120060001	120080001	120110001	120130001	120160001	120200001	
ME1	V12	Vertical zincata/galvanized (2+4+6+7+8+9)	120012002	120015002	120020002	120025002	120029002	120030002	120040002	120060002	120080002	120110002	120130002	120160002	120200002	
	V13	Vertical preverniciata/pre-painted + BOX (1+4+5+7+8+9+10)	120012011	120015011	120020011	120025011	120029011	120030011	120040011	120060011	120080011	120110011	120130011	120160011	120200011	
ME1	V14	Vertical zincata/galvanized + BOX (2+4+6+7+8+9+11)	120012012	120015012	120020012	120025012	120029012	120030012	120040012	120060012	120080012	120110012	120130012	120160012	120200012	

Nome Mod.: aggiungere alla taglia dell'unità l'estensione "Versione" (Es.: GG12-V01)
Tutte le versioni con: Motorizzazione indicata, Quadro elettrico e termostati inclusi, Bocche aspirazione/mandata libere, NO bruciatore.
Per riferimenti, chiarimenti e dati completi sulle prestazioni contattare il costruttore + vedi paragrafo "Tab Regolamento UE-2016-2281".

Model Name: add to the size of unit the "Version" extension (Ex.: GG12-V01)
All versions with: Motorization indicated, Electric board and thermostats included, Intake/supply open sides, NO burner.
For referred, details and clarifications of the performances, contact the manufacturer + see paragraph "Tab UE-2016-2281 Regulation".

Generatore aria calda = Centrale Trattamento Aria autonoma con Modulo energetico
Air heater unit = Independent Air Handling Unit provided with Energy Module



ECODESIGN



STANDARD ERP COMPLIANT

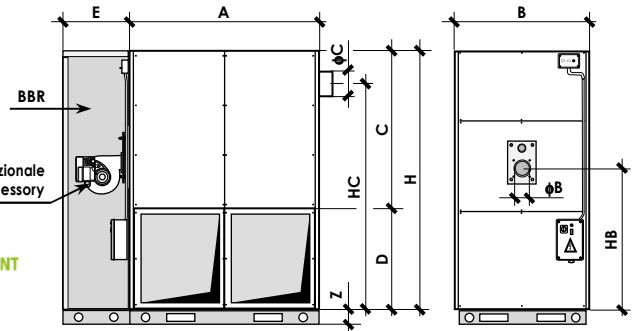
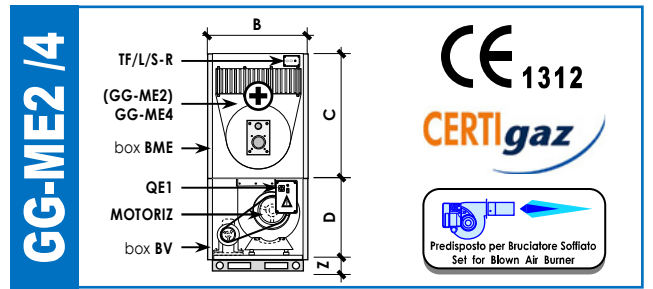
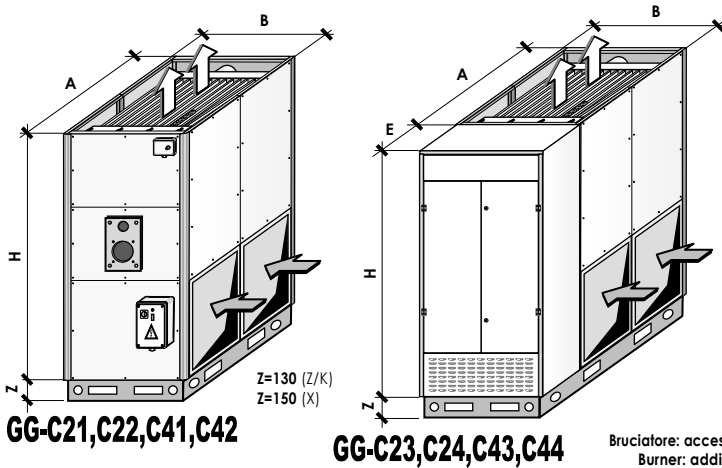
Standard & Condensazione a funzionamento termico modulante
Standard & Condensation with modulating thermal operation

Taglia - Size	GG (ME0/1)	GG 250	GG 300	GG 350	GG 400	GG 450	GG 520	GG 580	GG 650	GG 750	GG 850	GG1000	GG1200	
Pot. termica - Thermal input (Bruciato-Burnt) Pn	Max kW	290	348	407	465	522	603	672	754	870	984	1160	1.400	
Pot. termica utile - Heating capacity output	Max kW	263,3	316,3	370,4	423,6	474,5	547,5	610,8	683,9	789,1	893,3	1.051,0	1.271,2	
Pot. termica - Thermal input (Bruciato-Burnt)	Min kW	116,0	139,2	162,8	186,0	208,8	241,2	268,8	301,6	348,0	394,4	464,0	560,0	
Pot. termica utile - Heating capacity output	Min kW	118,3	142,0	166,2	190,3	213,0	246,0	274,4	307,6	355,0	401,5	473,3	571,2	
Rendimento termico	Max % (η _{max} @40%Pn)	102,0	102,0	102,1	102,3	102,0	102,0	102,1	102,0	102,0	101,8	102,0	102,0	
Thermal efficiency (Hi)	Min % (Nom., η _{min} @100%Pn)	90,8	90,9	91,0	91,1	90,9	90,8	90,9	90,7	90,7	90,6	90,6	90,8	
Portata aria - Air flow	m ³ /h	16.500	20.000	24.000	27.800	30.000	34.000	39.000	42.000	48.700	54.000	64.000	80.000	
Pressione statica utile - Static pressure	Pa	220	210	210	215	120	110	125	210	190	250	215	315	
Livello sonoro - Sound level	dB(A)	63	66	65	68	70	73	70	72	72	74	74	76	
ΔT aria uscita-ingresso - Air supply-intake ΔT (@100%Pn)	°C	48	48	47	46	48	49	47	49	49	50	50	48	
Motore elettrico - Electrical motor	kW(out)	2x 1,5	2x 2,2	2x 2,2	2x 3,0	2x 3,0	2x 4,0	3x 3,0	3x 4,0	3x 4,0	3x 5,5	4x 5,5	4x 7,5	
Alimentazione elettrica - Power supply		400Vac-3Ph+N-50/60Hz												
Dimensioni (Fornitura standard: GG12-V...400-V in unico pezzo; GG450-V...1200-V in 2 sezioni separate) - Dimensions (Standard supplied: GG12-V...400-V in one piece; GG450-V...1200-V in 2 separate sections)	A mm	1.900	1.900	2.100	2.100	2.100	2.100	2.600	2.600	3.100	3.100	3.700	3.700	
Dimensions	B mm	1.150	1.150	1.250	1.250	1.300	1.300	1.500	1.500	1.600	1.600	1.800	1.800	
	H mm	2.400	2.400	2.450	2.450	2.750	2.750	3.000	3.000	3.100	3.100	3.200	3.200	
Peso netto - Net weight	kg	580	620	730	800	950	1.120	1.470	1.580	1.770	2.080	2.320	2.640	
Sezioni-Sections ME/MOTORIZ	C - D mm-mm	C=1.750 - D=650		C=1.700 - D=750		C=1.950 - D=800		C=2.200 - D=800		C=2.300 - D=800		C=2.400 - D=800		
Box bruciatore - Burner box	E mm	800		800		900		900		1.000		1.100		
Flangia Bruciatore - Burner Flange	HB x φB mmxmm	HB.1155 x φB.180		HB.1235 x φB.200		HB.1350 x φB.200/220		HB.1570 x φB.220		HB.1570 x φB.240		HB.1550 x φB.240		
Scarico fumi - Smokes exhaust	HC x φC mmxmm	HC.2005 x φC.250		HC.2080 x φC.300		HC.2360 x φC.300		HC.2620 x φC.350		HC.2720 x φC.350		HC.2790 x φC.400		
Scelta del bruciatore - Burner selection	MIN-MAX mm	min.110 - max.340		min.120 - max.310		min.120 - max.310		min.120 - max.380		min.140 - max.490		min.140 - max.590		
Lunghezza boccaglio - Nozzle length	MAX mm	170		190		210		210		230		230		
Diametro boccaglio - Nozzle diameter	MAX mm	170		190		210		210		230		230		
Contropress. camera comb. - Counter pressure comb. chamber	Pa	55		65		75		85		90		100		
Sezioni e componenti - Sections and components														
BME-K(1)	Box Modulo Energy (doppio pan., preverniciata) Box Energy module (double panel, pre-painted)	Mod.	BME-K5-V		BME-K6-V		BME-K7-V		BME-K8-V		BME-K9-V		BME-K10-V	
BME-KZ(2)	Box Modulo energ. (doppio pannello, zincata) Box Energy module (double panel, galvanized)	Mod.	BME-KZ5-V		BME-KZ6-V		BME-KZ7-V		BME-KZ8-V		BME-KZ9-V		BME-KZ10-V	
GG-ME0(3)	Camera + Scambiatore Full Alluminato Chamber + Exchanger Full Aluminates	Mod.	GG250-ME0	GG300-ME0	GG350-ME0	GG400-ME0	GG450-ME0	GG520-ME0	GG580-ME0	GG650-ME0	GG750-ME0	GG850-ME0	GG1000-ME0	GG1200-ME0
GG-ME1(4)	Camera AISI 430 + Scambiatore Alluminato Chamber AISI 430 + Exchanger Aluminates	Mod.	GG250-ME1	GG300-ME1	GG350-ME1	GG400-ME1	GG450-ME1	GG520-ME1	GG580-ME1	GG650-ME1	GG750-ME1	GG850-ME1	GG1000-ME1	GG1200-ME1
BV-P(5)	Box sezione Ventilante (solo cassa preverniciata) Box Ventilating section (pre-painted casing only)	Mod.	BV-P5-V		BV-P6-V		BV-P7-V		BV-P8-V		BV-P9-V		BV-P10-V	
BV-Z(6)	Box sezione Ventilante (solo cassa zincata) Box Ventilating section (galvanized casing only)	Mod.	BV-Z5-V		BV-Z6-V		BV-Z7-V		BV-Z8-V		BV-Z9-V		BV-Z10-V	
MOTORIZ(7)	Motorizzazione (Motore+Ventilatore) Motorization (Motor+Fan)	n° X Mod.	2x L9-1.5n705	2x L9-2.2n798	2x L11-2.2n570	2x L11-3.0n638	2x L11-3.0n596	2x L11-4.0n638	3x L10-3.0n596	3x L10-4.0n717	3x L11-4.0n638	3x L11-5.5n725	4x L11-4.0n638	4x L11-7.5n801
QE1(8)	Quadro elettrico Electric board	Mod.	2x QE1-1.5	2x QE1-2.2	2x QE1-2.2	2x QE1-3.0	2x QE1-3.0	2x QE1-4.0	3x QE1-3.0	3x QE1-4.0	3x QE1-4.0	3x QE1-5.5	4x QE1-4.0	4x QE1-7,5
TF/L/S-R(9)	Kit 3 termostati (TF+TL+TS-R) 3 thermostats kit (TF+TL+TS-R)	Mod.	TF/L/S-R		TF/L/S-R		TF/L/S-R		TF/L/S-R		TF/L/S-R		TF/L/S-R	
BBR-P(10)	Box Bruciatore (preverniciato) Box Burner (pre-painted)	Mod.	BBR-P5-V		BBR-P6-V		BBR-P7-V		BBR-P8-V		BBR-P9-V		BBR-P10-V	
BBR-Z(11)	Box Bruciatore (zincato) Box Burner (galvanized)	Mod.	BBR-Z5-V		BBR-Z6-V		BBR-Z7-V		BBR-Z8-V		BBR-Z9-V		BBR-Z10-V	
ME0	V01 Vertical preverniciata/pre-painted (1+3+5+7+8+9)	Cod.	120250018	120300018	120350018	120400018	120450018	120520018	120580018	120650018	120750018	120850018	121000018	121200018
	V02 Vertical zincata/galvanized (2+3+6+7+8+9)	Cod.	120250019	120300019	120350019	120400019	120450019	120520019	120580019	120650019	120750019	120850019	121000019	121200019
	V03 Vertical preverniciata/pre-painted + BOX (1+3+5+7+8+9+10)	Cod.	120250020	120300020	120350020	120400020	120450020	120520020	120580020	120650020	120750020	120850020	121000020	121200020
	V04 Vertical zincata/galvanized + BOX (2+3+6+7+8+9+11)	Cod.	120250021	120300021	120350021	120400021	120450021	120520021	120580021	120650021	120750021	120850021	121000021	121200021
ME1	V11 Vertical preverniciata/pre-painted (1+4+5+7+8+9)	Cod.	120250001	120300001	120350001	120400001	120450001	120520001	120580001	120650001	120750001	120850001	121000001	121200001
	V12 Vertical zincata/galvanized (2+4+6+7+8+9)	Cod.	120250002	120300002	120350002	120400002	120450002	120520002	120580002	120650002	120750002	120850002	121000002	121200002
	V13 Vertical preverniciata/pre-painted + BOX (1+4+5+7+8+9+10)	Cod.	120250011	120300011	120350011	120400011	120450011	120520011	120580011	120650011	120750011	120850011	121000011	121200011
	V14 Vertical zincata/galvanized + BOX (2+4+6+7+8+9+11)	Cod.	120250012	120300012	120350012	120400012	120450012	120520012	120580012	120650012	120750012	120850012	121000012	121200012

Nome Mod.: aggiungere alla taglia dell'unità l'estensione "Versione" (Es.: GG12-V01)
Tutte le versioni con: Motorizzazione indicata, Quadro elettrico e termostati inclusi, Bocche aspirazione/mandata libera, NO bruciatore.
Per riferimenti, chiarimenti e dati completi sulle prestazioni contattare il costruttore - vedi paragrafo "Tab Regolamento UE-2016-2281".

Model Name: add to the size of unit the "Version" extension (Ex.: GG12-V01)
All versions with: Motorization indicated, Electric board and thermostats included, Intake/supply open sides, NO burner.
For referred, details and clarifications of the performances, contact the manufacturer + see paragraph "Tab UE-2016-2281 Regulation".

Generatore aria calda = Centrale Trattamento Aria autonoma con Modulo energetico
Air heater unit = Independent Air Handling Unit provided with Energy Module



ECODESIGN

ALTO RENDIMENTO - HIGH EFFICIENCY ERP COMPLIANT

Condensazione a funzionamento termico modulante
Condensation with modulating thermal operation

Taglia - Size	GG (ME2/4)	GG 12	GG 15	GG 20	GG 25	GG 29	GG 30	GG 40	GG 60	GG 80	GG110	GG130	GG160	GG200	
Pot. termica - Thermal input (Bruciata-Burnt) Pn	Nom=Max kW	11	14	18	22	26	27	37	55	74	102	121	149	186	
Pot. termica utile - Heating capacity output	Max kW	10,5	13,7	17,4	21,3	25,0	25,8	34,8	51,9	69,6	95,1	112,9	139,3	173,7	
Pot. termica - Thermal input (Bruciata-Burnt)	Min kW	5,6	7,2	9,2	11,2	13,2	13,6	18,4	27,6	37,2	50,8	60,4	74,4	92,8	
Pot. termica utile - Heating capacity output	Min kW	5,7	7,4	9,5	11,6	13,6	14,0	19,0	28,3	38,1	52,0	61,6	76,0	94,7	
Rendimento termico	Max % (η _{max} @50%Pn)	102,0	103,2	103,0	103,3	103,2	103,2	103,1	102,6	102,3	102,3	102,0	102,1	102,1	
Thermal efficiency (Hi)	Min % (Nom., η _{min} @100%Pn)	93,5	94,8	94,3	94,9	94,7	94,7	94,6	94,0	93,6	93,6	93,5	93,6	93,6	
Portata aria - Air flow	m ³ /h	800	1.400	1.600	2.300	2.500	2.600	3.400	4.400	5.500	7.600	8.600	10.800	13.600	
Pressione statica utile - Static pressure	Pa	60	130	110	180	140	170	140	140	150	285	180	205	240	
Livello sonoro - Sound level	dB(A)	44	51	51	56	56	54	53	58	57	65	63	66	68	
ΔT aria uscita-ingresso - Air supply-intake ΔT @100%Pn	°C	40	30	33	28	30	30	31	36	38	38	40	39	39	
Motore elettrico - Electrical motor	kW(out)	1x 0,115	1x 0,145	1x 0,145	1x 0,37	1x 0,37	1x 0,37	1x 0,55	1x 0,735	1x 0,735	1x 1,5	1x 1,5	1x 2,2	1x 3,0	
Alimentazione elettrica - Power supply		230Vac-1Ph-50/60Hz						400Vac-3Ph+N-50/60Hz							
Dimensioni (Fornitura standard: GG12-C...400-C in unico pezzo; GG450-C...1200-C in 2 sezioni separate) - Dimensions (Standard supplied: GG12-C...400-C in one piece; GG450-C...1200-C in 2 separate sections)															
Dimensioni	A mm	450	450	650	650	650	750	750	900	900	1.000	1.000	1.400	1.400	
Dimensions	B mm	450	450	500	500	500	500	500	650	650	850	850	1.000	1.000	
	H mm	1.300	1.300	1.400	1.400	1.400	1.600	1.600	1.800	1.800	2.100	2.100	2.300	2.300	
Peso netto - Net weight	kg	85	90	92	96	100	115	130	170	190	260	300	420	470	
Sezioni-Sections ME/MOTORIZ	C - D mm-mm	C=900 - D=400		C=940 - D=460			C=1.100 - D=500		C=1.200 - D=600		C=1.450 - D=650		C=1.550 - D=750		
Box bruciatore - Burner box	E mm	400		400			400		450		500		700		
Flangia Bruciatore - Burner Flange	HB x φB mmxmm	HB.590 x φB.100		HB.675 x φB.100			HB.760 x φB.110		HB.930 x φB.110/140		HB.1095 x φB.140		HB.1155 x φB.160		
Scarico fumi - Smokes exhaust	HC x φC mmxmm	HC.970 x φC.120		HC.1055 x φC.120			HC.1235 x φC.120		HC.1440 x φC.160		HC.1730 x φC.180		HC.1905 x φC.200		

Scelta del bruciatore - Burner selection															
Lunghezza boccaglio - Nozzle length	MIN-MAX mm	min.85 - max.130		min.85 - max.130			min.100 - max.210		min.100 - max.210		min.100 - max.220		min.100 - max.280		
Diametro boccaglio - Nozzle diameter	MAX mm	90		90			100		100		130		150		
Contropress. camera comb. - Counter pressure comb. chamber	Pa	15		15			15		20		20		30		

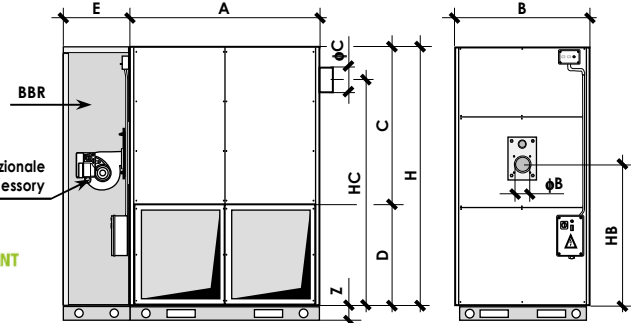
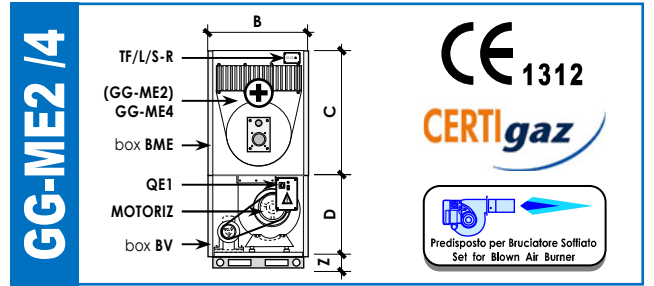
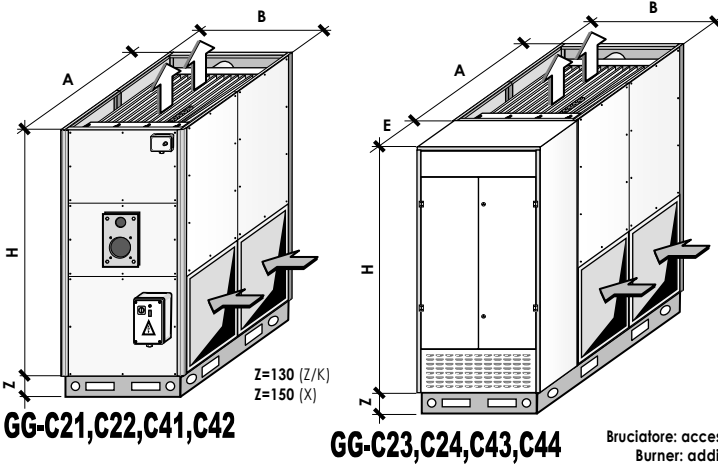
Sezioni e componenti - Sections and components															
BME-K(1)	Box Modulo Ener. (doppio pan., preverniciata) Box Energy module (double panel, pre-painted)	Mod.	BME-K00-V		BME-K0-V			BME-K1-V		BME-K2-V		BME-K3-V		BME-K4-V	
BME-KZ(2)	Box Modulo ener. (doppio pannello, zincata) Box Energy module (double panel, galvanized)	Mod.	BME-KZ00-V		BME-KZ0-V			BME-KZ1-V		BME-KZ2-V		BME-KZ3-V		BME-KZ4-V	
GG-ME2(3)	Camera AISI 430 + Scambiatore AISI304L Chamber AISI 430 + Exchanger AISI304L	Mod.	GG12-ME2	GG15-ME2	GG20-ME2	GG25-ME2	GG29-ME2	GG30-ME2	GG40-ME2	GG60-ME2	GG80-ME2	GG110-ME2	GG130-ME2	GG160-ME2	GG200-ME2
GG-ME4(4)	Camera + Scambiatore Full AISI441 Chamber + Exchanger Full AISI441	Mod.	GG12-ME4	GG15-ME4	GG20-ME4	GG25-ME4	GG29-ME4	GG30-ME4	GG40-ME4	GG60-ME4	GG80-ME4	GG110-ME4	GG130-ME4	GG160-ME4	GG200-ME4
BV-P(5)	Box sezione Ventilante (solo cassa preverniciata) Box Ventilating section (pre-painted casing only)	Mod.	BV-P00-V		BV-P0-V			BV-P1-V		BV-P2-V		BV-P3-V		BV-P4-V	
BV-Z(6)	Box sezione Ventilante (solo cassa zincata) Box Ventilating section (galvanized casing only)	Mod.	BV-Z00-V		BV-Z0-V			BV-Z1-V		BV-Z2-V		BV-Z3-V		BV-Z4-V	
MOTORIZ(7)	Motorizzazione (Motore+Ventilatore) Motorization (Motor+Fan)	n° X Mod.	D146L190.43	1xD1.43	1xD1.43	1xD2.43	1xD2.43	1xD3.43	1xD5.43	1xD6.63	1xD7.63	L9-1.5n793	L9-1.5n668	L10-2.2n638	L11-3.0n668
QE1(8)	Quadro elettrico Electric board	Mod.	1x QM-1V-10A		1x QM-1V-10A			1x QM-1V-10A		1x QM-1V-10A		1x QE1-1.5		1x QE1-1.5	
TF/L/S-R(9)	Kit 3 termostati (TF+TL+TS-R) 3 thermostats kit (TF+TL+TS-R)	Mod.	TF/L/S-R		TF/L/S-R			TF/L/S-R		TF/L/S-R		TF/L/S-R		TF/L/S-R	
BBR-P(10)	Box Bruciatore (preverniciato) Box Burner (pre-painted)	Mod.	BBR-P00-V		BBR-P0-V			BBR-P1-V		BBR-P2-V		BBR-P3-V		BBR-P4-V	
BBR-Z(11)	Box Bruciatore (zincato) Box Burner (galvanized)	Mod.	BBR-Z00-V		BBR-Z0-V			BBR-Z1-V		BBR-Z2-V		BBR-Z3-V		BBR-Z4-V	

ME2	Model	Description	GG12-C...400-C													
			120012022	120015022	120020022	120025022	120029022	120030022	120040022	120060022	120080022	120110022	120130022	120160022	120200022	
ME2	C21	Vertical preverniciata/pre-painted (1+3+5+7+8+9)	120012022	120015022	120020022	120025022	120029022	120030022	120040022	120060022	120080022	120110022	120130022	120160022	120200022	
	C22	Vertical zincata/galvanized (2+3+6+7+8+9)	120012023	120015023	120020023	120025023	120029023	120030023	120040023	120060023	120080023	120110023	120130023	120160023	120200023	
	C23	Vertical preverniciata/pre-painted + BOX (1+3+5+7+8+9+10)	120012024	120015024	120020024	120025024	120029024	120030024	120040024	120060024	120080024	120110024	120130024	120160024	120200024	
	C24	Vertical zincata/galvanized + BOX (2+3+6+7+8+9+11)	120012025	120015025	120020025	120025025	120029025	120030025	120040025	120060025	120080025	120110025	120130025	120160025	120200025	
ME4	C41	Vertical preverniciata/pre-painted (1+4+5+7+8+9)	120012026	120015026	120020026	120025026	120029026	120030026	120040026	120060026	120080026	120110026	120130026	120160026	120200026	
	C42	Vertical zincata/galvanized (2+4+6+7+8+9)	120012027	120015027	120020027	120025027	120029027	120030027	120040027	120060027	120080027	120110027	120130027	120160027	120200027	
	C43	Vertical preverniciata/pre-painted + BOX (1+4+5+7+8+9+10)	120012028	120015028	120020028	120025028	120029028	120030028	120040028	120060028	120080028	120110028	120130028	120160028	120200028	
	C44	Vertical zincata/galvanized + BOX (2+4+6+7+8+9+11)	120012029	120015029	120020029	120025029	120029029	120030029	120040029	120060029	120080029	120110029	120130029	120160029	120200029	

Nome Mod.: aggiungere alla taglia dell'unità l'estensione "Versione" (Es.: GG12-C21)
Tutte le versioni con: Motorizzazione indicata, Quadro elettrico e termostati inclusi, Bocche aspirazione/mandata libere, NO bruciatore.
Per riferimenti, chiarimenti e dati completi sulle prestazioni contattare il costruttore + vedi paragrafo "Tab Regolamento UE-2016-2281".

Model Name: add to the size of unit the "Version" extension (Ex.: GG12-C21)
All versions with: Motorization indicated, Electric board and thermostats included, Intake/supply open sides, NO burner.
For referred, details and clarifications of the performances, contact the manufacturer + see paragraph "Tab UE-2016-2281 Regulation".

Generatore aria calda = Centrale Trattamento Aria autonoma con Modulo energetico
Air heater unit = Independent Air Handling Unit provided with Energy Module



GG-C21, C22, C41, C42

GG-C23, C24, C43, C44

Brucciatori: accessorio addizionale
Burner: additional accessory

ECODESIGN

ALTO RENDIMENTO - HIGH EFFICIENCY

ERP COMPLIANT

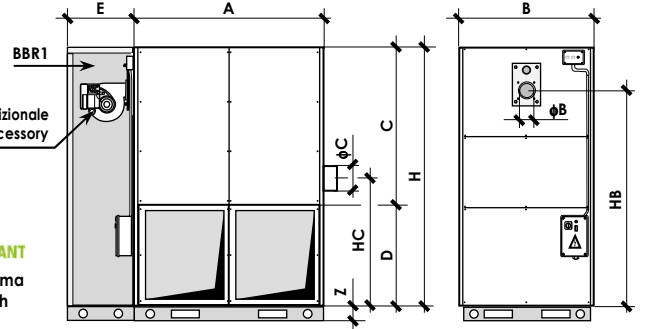
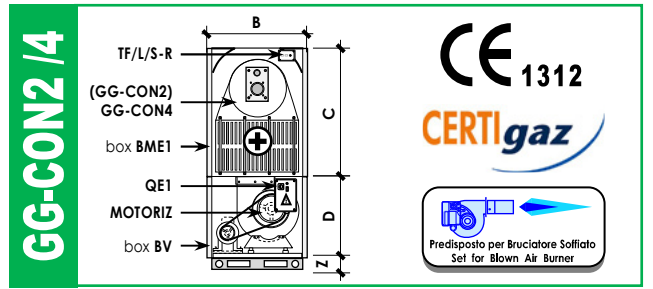
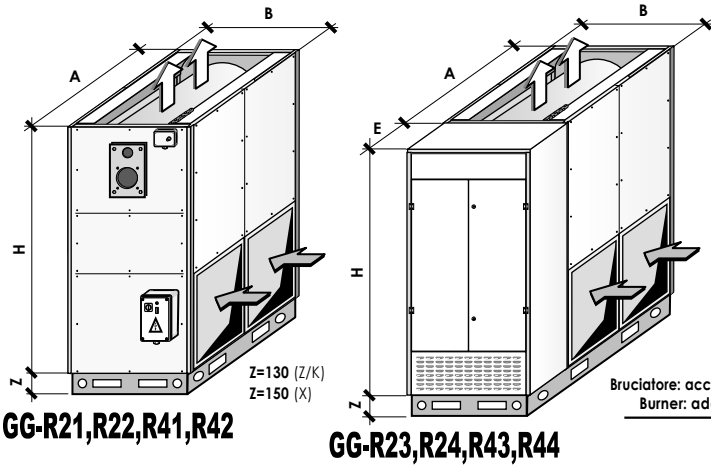
Condensazione a funzionamento termico modulante
Condensation with modulating thermal operation

Taglia - Size	GG (ME2/4)	GG 250	GG 300	GG 350	GG 400	GG 450	GG 520	GG 580	GG 650	GG 750	GG 850	GG1000	GG1200		
Pot. termica - Thermal input (Bruciato-Burnt) Pn	Max kW	232	278	326	372	418	482	538	603	696	789	928	1.120		
Pot. termica utile - Heating capacity output	Max kW	216,9	260,3	304,8	348,2	390,5	450,6	503,2	562,8	650,1	736,0	865,8	1.047,2		
Pot. termica - Thermal input (Bruciato-Burnt)	Min kW	116,0	139,2	162,8	186,0	208,8	241,2	268,8	301,6	348,0	394,4	464,0	560,0		
Pot. termica utile - Heating capacity output	Min kW	118,3	142,0	166,2	190,3	213,0	246,0	274,4	307,6	355,0	401,5	473,3	571,2		
Rendimento termico	Max % (η _{max} @ 50%Pn)	102,0	102,0	102,1	102,3	102,0	102,0	102,1	102,0	102,0	101,8	102,0	102,0		
Thermal efficiency (Hi)	Min % (Nom., η _{min} @ 100%Pn)	93,5	93,5	93,6	93,6	93,5	93,4	93,6	93,3	93,4	93,3	93,3	93,5		
Portata aria - Air flow	m ³ /h	16.500	20.000	24.000	27.800	30.000	34.000	39.000	42.000	48.700	54.000	64.000	80.000		
Pressione statica utile - Static pressure	Pa	220	210	210	215	120	110	125	210	190	250	215	315		
Livello sonoro - Sound level	dB(A)	63	66	65	68	70	73	70	72	72	74	74	76		
ΔT aria uscita-ingresso - Air supply-intake ΔT (@ 100%Pn)	°C	40	39	38	38	39	40	39	41	40	41	41	40		
Motore elettrico - Electrical motor	kW(out)	2x 1,5	2x 2,2	2x 2,2	2x 3,0	2x 3,0	2x 4,0	3x 3,0	3x 4,0	3x 4,0	3x 5,5	4x 5,5	4x 7,5		
Alimentazione elettrica - Power supply: 400Vac-3Ph+N-50/60Hz															
Dimensioni (Fornitura standard: GG12-C...400-C in unico pezzo; GG450-C...1200-C in 2 sezioni separate) - Dimensions (Standard supplied: GG12-C...400-C in one piece; GG450-C...1200-C in 2 separate sections)															
Dimensioni	A mm	1.900	1.900	2.100	2.100	2.100	2.100	2.600	2.600	3.100	3.100	3.700	3.700		
Dimensions	B mm	1.150	1.150	1.250	1.250	1.300	1.300	1.500	1.500	1.600	1.600	1.800	1.800		
	H mm	2.400	2.400	2.450	2.450	2.750	2.750	3.000	3.000	3.100	3.100	3.200	3.200		
Peso netto - Net weight	kg	580	620	730	800	950	1.120	1.470	1.580	1.770	2.080	2.320	2.640		
Sezioni-Sections ME/MOTORIZ	C - D mm-mm	C=1.750 - D=650		C=1.700 - D=750		C=1.950 - D=800		C=2.200 - D=800		C=2.300 - D=800		C=2.400 - D=800			
Box bruciatore - Burner box	E mm	800		800		900		900		1.000		1.100			
Flangia Bruciatore - Burner Flange	HB x phi B mmxmm	HB.1155 x phi.180		HB.1235 x phi.200		HB.1350 x phi.200/220		HB.1570 x phi.220		HB.1570 x phi.240		HB.1550 x phi.240			
Scarico fumi - Smokes exhaust	HC x phi C mmxmm	HC.2005 x phi.C.250		HC.2080 x phi.C.300		HC.2360 x phi.C.300		HC.2620 x phi.C.350		HC.2720 x phi.C.350		HC.2790 x phi.C.400			
Scelta del bruciatore - Burner selection															
Lunghezza boccaglio - Nozzle length	MIN-MAX mm	min.110 - max.340		min.120 - max.310		min.120 - max.310		min.120 - max.380		min.140 - max.490		min.140 - max.590			
Diametro boccaglio - Nozzle diameter	MAX mm	170		190		210		210		230		230			
Contropress. camera comb. - Counter pressure comb. chamber	Pa	40		50		65		70		80		85			
Sezioni e componenti - Sections and components															
BME-K(1)	Box Modulo Energy (doppio pan., preverniciata) Box Energy module (double panel, pre-painted)	Mod.	BME-K5-V	BME-K6-V	BME-K7-V	BME-K8-V	BME-K9-V	BME-K10-V							
BME-KZ(2)	Box Modulo energ. (doppio pannello, zincata) Box Energy module (double panel, galvanized)	Mod.	BME-KZ5-V	BME-KZ6-V	BME-KZ7-V	BME-KZ8-V	BME-KZ9-V	BME-KZ10-V							
GG-ME2(3)	Camera AISI 430 + Scambiatore AISI304L Chamber AISI 430 + Exchanger AISI304L	Mod.	GG250-ME2	GG300-ME2	GG350-ME2	GG400-ME2	GG450-ME2	GG520-ME2	GG580-ME2	GG650-ME2	GG750-ME2	GG850-ME2	GG1000-ME2	GG1200-ME2	
GG-ME4(4)	Camera + Scambiatore Full AISI441 Chamber + Exchanger Full AISI441	Mod.	GG250-ME4	GG300-ME4	GG350-ME4	GG400-ME4	GG450-ME4	GG520-ME4	GG580-ME4	GG650-ME4	GG750-ME4	GG850-ME4	GG1000-ME4	GG1200-ME4	
BV-P(5)	Box sezione Ventilante (solo cassa preverniciata) Box Ventilating section (pre-painted casing only)	Mod.	BV-P5-V	BV-P6-V	BV-P7-V	BV-P8-V	BV-P9-V	BV-P10-V							
BV-Z(6)	Box sezione Ventilante (solo cassa zincata) Box Ventilating section (galvanized casing only)	Mod.	BV-Z5-V	BV-Z6-V	BV-Z7-V	BV-Z8-V	BV-Z9-V	BV-Z10-V							
MOTORIZ(7)	Motorizzazione (Motore+Ventilatore) Motorization (Motor+Fan)	n° X Mod.	2x L9-1.5n705	2x L9-2.2n798	2x L11-2.2n570	2x L11-3.0n668	2x L11-3.0n596	2x L11-4.0n638	3x L10-3.0n596	3x L10-4.0n717	3x L11-4.0n638	3x L11-5.5n725	4x L11-4.0n638	4x L11-7.5n801	
QE1(8)	Quadro elettrico Electric board	Mod.	2x QE1-1.5	2x QE1-2.2	2x QE1-2.2	2x QE1-3.0	2x QE1-3.0	2x QE1-4.0	3x QE1-3.0	3x QE1-4.0	3x QE1-4.0	3x QE1-5.5	4x QE1-4.0	4x QE1-7,5	
TF/L/S-R(9)	Kit 3 termostati (TF+TL+TS-R) 3 thermostats kit (TF+TL+TS-R)	Mod.	TF/L/S-R	TF/L/S-R	TF/L/S-R	TF/L/S-R	TF/L/S-R	TF/L/S-R	TF/L/S-R	TF/L/S-R	TF/L/S-R	TF/L/S-R	TF/L/S-R		
BBR-P(10)	Box Bruciatore (preverniciato) Box Burner (pre-painted)	Mod.	BBR-P5-V	BBR-P6-V	BBR-P7-V	BBR-P8-V	BBR-P9-V	BBR-P10-V							
BBR-Z(11)	Box Bruciatore (zincato) Box Burner (galvanized)	Mod.	BBR-Z5-V	BBR-Z6-V	BBR-Z7-V	BBR-Z8-V	BBR-Z9-V	BBR-Z10-V							
ME2	C21	Vertical preverniciata/pre-painted (1+3+5+7+8+9)	Cod.	120250022	120300022	120350022	120400022	120450022	120520022	120580022	120650022	120750022	120850022	121000022	121200022
	C22	Vertical zincata/galvanized (2+3+6+7+8+9)	Cod.	120250023	120300023	120350023	120400023	120450023	120520023	120580023	120650023	120750023	120850023	121000023	121200023
	C23	Vertical preverniciata/pre-painted + BOX (1+3+5+7+8+9+10)	Cod.	120250024	120300024	120350024	120400024	120450024	120520024	120580024	120650024	120750024	120850024	121000024	121200024
	C24	Vertical zincata/galvanized + BOX (2+3+6+7+8+9+11)	Cod.	120250025	120300025	120350025	120400025	120450025	120520025	120580025	120650025	120750025	120850025	121000025	121200025
ME4	C41	Vertical preverniciata/pre-painted (1+4+5+7+8+9)	Cod.	120250026	120300026	120350026	120400026	120450026	120520026	120580026	120650026	120750026	120850026	121000026	121200026
	C42	Vertical zincata/galvanized (2+4+6+7+8+9)	Cod.	120250027	120300027	120350027	120400027	120450027	120520027	120580027	120650027	120750027	120850027	121000027	121200027
	C43	Vertical preverniciata/pre-painted + BOX (1+4+5+7+8+9+10)	Cod.	120250028	120300028	120350028	120400028	120450028	120520028	120580028	120650028	120750028	120850028	121000028	121200028
	C44	Vertical zincata/galvanized + BOX (2+4+6+7+8+9+11)	Cod.	120250029	120300029	120350029	120400029	120450029	120520029	120580029	120650029	120750029	120850029	121000029	121200029

Nome Mod.: aggiungere alla taglia dell'unità l'estensione "Versione" (Es.: GG12-C21)
Tutte le versioni con: Motorizzazione indicata, Quadro elettrico e termostati inclusi, Bocche aspirazione/mandata libere, NO bruciatore.
Per riferimenti, chiarimenti e dati completi sulle prestazioni contattare il costruttore + vedi paragrafo "Tab Regolamento UE-2016-2281".

Model Name: add to the size of unit the "Version" extension (Ex.: GG12-C21)
All versions with: Motorization indicated, Electric board and thermostats included, Intake/supply open sides, NO burner.
For referred, details and clarifications of the performances, contact the manufacturer + see paragraph "Tab UE-2016-2281 Regulation".

Generatore aria calda = Centrale Trattamento Aria autonoma con Modulo energetico
Air heater unit = Independent Air Handling Unit provided with Energy Module



ECODESIGN

CONDENSAZIONE - CONDENSATION ERP COMPLIANT

Condensazione con modulazione istantanea di fiamma già alla massima portata termica - Condensation with instant modulation flame already at maximum heat input

Taglia - Size	GG (CON2/4)	GG 12	GG 15	GG 20	GG 25	GG 29	GG 30	GG 40	GG 60	GG 80	GG110	GG130	GG160	GG200	
Pot. termica - Thermal input (Bruciata-Burnt) Pn	Nom=Max kW	14	18	23	28	33	34	46	69	93	127	151	186	232	
Pot. termica utile - Heating capacity output	Max kW	14,1	18,4	23,3	28,6	33,6	34,7	46,8	69,7	93,6	128,0	151,6	187,1	233,4	
Pot. termica - Thermal input (Bruciata-Burnt)	Min kW	5,6	7,2	9,2	11,2	13,2	13,6	18,4	27,6	37,2	50,8	60,4	74,4	92,8	
Pot. termica utile - Heating capacity output	Min kW	6,1	7,8	10,0	12,2	14,4	14,8	20,1	30,0	40,4	55,2	65,7	80,9	100,9	
Rendimento termico	Max % (η _{max} @40%Pn)	108,5	109,0	108,9	109,0	109,0	109,0	109,0	108,8	108,7	108,7	108,7	108,7	108,7	
Thermal efficiency (Hi)	Min % (Nom., η _{min} @100%Pn)	100,4	102,0	101,4	102,3	101,9	102,0	101,7	101,0	100,6	100,8	100,4	100,6	100,6	
Portata aria - Air flow	m ³ /h	800	1.400	1.600	2.300	2.500	2.600	3.400	4.400	5.500	7.600	8.600	10.800	13.600	
Pressione statica utile - Static pressure	Pa	50	100	90	150	110	140	110	110	120	250	145	165	200	
Livello sonoro - Sound level	dB(A)	44	51	51	56	56	54	53	58	57	65	63	66	68	
ΔT aria uscita-ingresso - Air supply-intake ΔT @100%Pn	°C	53	40	44	38	41	40	42	48	52	51	53	53	52	
Motore elettrico - Electrical motor	kW(out)	1x 0,115	1x 0,145	1x 0,145	1x 0,37	1x 0,37	1x 0,37	1x 0,55	1x 0,735	1x 0,735	1x 1,5	1x 1,5	1x 2,2	1x 3,0	
Alimentazione elettrica - Power supply		230Vac-1Ph-50/60Hz						400Vac-3Ph+N-50/60Hz							

Dimensioni (Fornitura standard: GG12-R...130-R in unico pezzo; GG160-R...1200-R in 2 sezioni separate) - Dimensions (Standard supplied: GG12-R...130-R in one piece; GG160-R...1200-R in 2 separate sections)															
Dimensioni	A mm	450	450	650	650	650	750	750	900	900	1.000	1.000	1.400	1.400	
Dimensions	B mm	450	450	500	500	500	500	500	650	650	850	850	1.000	1.000	
	H mm	1.500	1.500	1.600	1.600	1.600	1.800	1.800	2.000	2.000	2.300	2.300	2.500	2.500	
	Peso netto - Net weight	kg	103	109	113	119	124	145	164	222	246	343	389	538	599

Sezioni-Sections CON/MOTORIZ		C - D	mm-mm	C=1.100 - D=400	C=1.140 - D=460	C=1.300 - D=500	C=1.400 - D=600	C=1.650 - D=650	C=1.750 - D=750
Box bruciatore - Burner box	E	mm	400	400	400	400	450	500	700
Flangia Bruciatore - Burner Flange	HB x ØB	mmxmm	HB.1350 x ØB.100	HB.1410 x ØB.100	HB.1630 x ØB.110	HB.1770 x ØB.110/140	HB.1890 x ØB.140	HB.2170 x ØB.160	
Scarica fumi - Smokes exhaust	HC x ØC	mmxmm	HC.735 x ØC.120	HC.795 x ØC.120	HC.835 x ØC.120	HC.935 x ØC.160	HC.985 x ØC.180	HC.1085 x ØC.200	

Scelta del bruciatore - Burner selection		MIN-MAX	mm	min.85 - max.130	min.85 - max.130	min.100 - max.210	min.100 - max.210	min.100 - max.220	min.100 - max.280
Lunghezza boccaglio - Nozzle length	mm	mm	90	90	90	100	100	130	150
Diametro boccaglio - Nozzle diameter	mm	mm	25	30	30	35	40	50	70
Contropress. camera comb. - Counter pressure comb. chamber	Pa	Pa	25	30	30	35	40	50	70

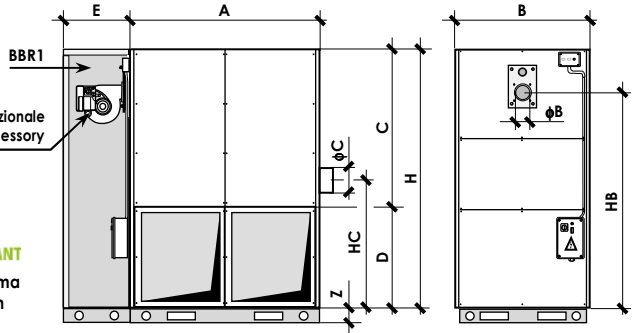
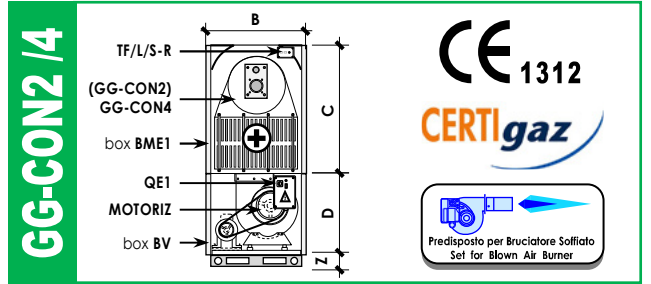
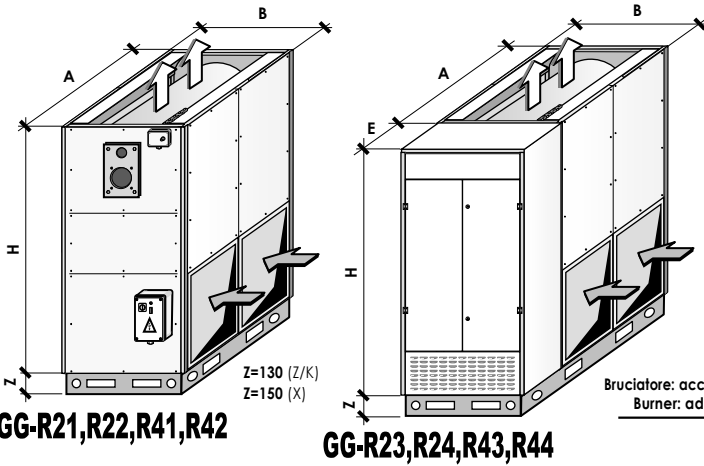
Sezioni e componenti - Sections and components		Mod.	BME1-K00-V	BME1-K0-V	BME1-K1-V	BME1-K2-V	BME1-K3-V	BME1-K4-V
BME1-K(1)	Box Modulo Energa (doppio pan., preverniciata) Box Energy module (double panel, pre-painted)	Mod.	BME1-K00-V	BME1-K0-V	BME1-K1-V	BME1-K2-V	BME1-K3-V	BME1-K4-V
BME1-KZ(2)	Box Modulo energet. (doppio pannello, zincata) Box Energy module (double panel, galvanized)	Mod.	BME1-KZ00-V	BME1-KZ0-V	BME1-KZ1-V	BME1-KZ2-V	BME1-KZ3-V	BME1-KZ4-V
GG-CON2(3)	Camera AISI 430 + Scambiatore AISI304L Chamber AISI 430 + Exchanger AISI304L	Mod.	GG12-CON2 GG15-CON2	GG20-CON2 GG25-CON2 GG29-CON2	GG30-CON2 GG40-CON2	GG60-CON2 GG80-CON2	GG110-CON2 GG130-CON2	GG160-CON2 GG200-CON2
GG-CON4(4)	Camera + Scambiatore Full AISI441 Chamber + Exchanger Full AISI441	Mod.	GG12-CON4 GG15-CON4	GG20-CON4 GG25-CON4 GG29-CON4	GG30-CON4 GG40-CON4	GG60-CON4 GG80-CON4	GG110-CON4 GG130-CON4	GG160-CON4 GG200-CON4
BV-P(5)	Box sezione Ventilante (solo cassa preverniciata) Box Ventilating section (pre-painted casing only)	Mod.	BV-P00-V	BV-P0-V	BV-P1-V	BV-P2-V	BV-P3-V	BV-P4-V
BV-Z(6)	Box sezione Ventilante (solo cassa zincata) Box Ventilating section (galvanized casing only)	Mod.	BV-Z00-V	BV-Z0-V	BV-Z1-V	BV-Z2-V	BV-Z3-V	BV-Z4-V
MOTORIZ(7)	Motorizzazione (Motore+Ventilatore) Motorization (Motor+Fan)	n° X Mod.	D146L190.43 1xD1.43	1xD1.43 1xD2.43 1xD2.43	1xD3.43 1xD5.43	1xD6.63 1xD7.63	L9-1.5n793 L9-1.5n668	L10-2.2n638 L11-3.0n668
QE1(8)	Quadro elettrico Electric board	Mod.	1x QM-1V-10A	1x QM-1V-10A	1x QM-1V-10A	1x QM-1V-10A	1x QE1-1.5 1x QE1-1.5	1x QE1-2.2 1x QE1-3.0
TF/L/S-R(9)	Kit 3 termostati (TF+TL+TS-R) 3 thermostats kit (TF+TL+TS-R)	Mod.	TF/L/S-R	TF/L/S-R	TF/L/S-R	TF/L/S-R	TF/L/S-R	TF/L/S-R
BBR1-P(10)	Box Bruciatore (preverniciato) Box Burner (pre-painted)	Mod.	BBR1-P00-V	BBR1-P0-V	BBR1-P1-V	BBR1-P2-V	BBR1-P3-V	BBR1-P4-V
BBR1-Z(11)	Box Bruciatore (zincato) Box Burner (galvanized)	Mod.	BBR1-Z00-V	BBR1-Z0-V	BBR1-Z1-V	BBR1-Z2-V	BBR1-Z3-V	BBR1-Z4-V

CON2	CON4	Model	Vertical preverniciata/pre-painted (1+3+5+7+8+9)	Vertical zincata/galvanized (2+3+6+7+8+9)	Vertical preverniciata/pre-painted + BOX (1+3+5+7+8+9+10)	Vertical zincata/galvanized + BOX (2+3+6+7+8+9+11)
R21	R41	Cod.	120012030 120015030	120020300 120025030 120029030	120030030 120040030	120060030 120080030
R22	R42	Cod.	120012031 120015031	120020031 120025031 120029031	120030031 120040031	120060031 120080031
R23	R43	Cod.	120012032 120015032	120020032 120025032 120029032	120030032 120040032	120060032 120080032
R24	R44	Cod.	120012033 120015033	120020033 120025033 120029033	120030033 120040033	120060033 120080033
R41	R21	Cod.	120012034 120015034	120020034 120025034 120029034	120030034 120040034	120060034 120080034
R42	R22	Cod.	120012035 120015035	120020035 120025035 120029035	120030035 120040035	120060035 120080035
R43	R23	Cod.	120012036 120015036	120020036 120025036 120029036	120030036 120040036	120060036 120080036
R44	R24	Cod.	120012037 120015037	120020037 120025037 120029037	120030037 120040037	120060037 120080037

Nome Mod.: aggiungere alla taglia dell'unità l'estensione "Versione" (Es.: GG12-R21)
Tutte le versioni con: Motorizzazione indicata, Quadro elettrico e termostati inclusi, Bocche aspirazione/mandata libere, NO bruciatore.
Per riferimenti, chiarimenti e dati completi sulle prestazioni contattare il costruttore + vedi paragrafo "Tab Regolamento UE-2016-2281".

Model Name: add to the size of unit the "Version" extension (Ex.: GG12-R21)
All versions with: Motorization indicated, Electric board and thermostats included, Intake/supply open sides, NO burner.
For referred, details and clarifications of the performances, contact the manufacturer + see paragraph "Tab UE-2016-2281 Regulation".

Generatore aria calda = Centrale Trattamento Aria autonoma con Modulo energetico
Air heater unit = Independent Air Handling Unit provided with Energy Module



ECODESIGN

CONDENSAZIONE - CONDENSATION ERP COMPLIANT

Condensazione con modulazione istantanea di fiamma già alla massima portata termica - Condensation with instant modulation flame already at maximum heat input

Taglia - Size	GG (CON2/4)	GG 250	GG 300	GG 350	GG 400	GG 450	GG 520	GG 580	GG 650	GG 750	GG 850	GG1000	GG1200		
Pot. termica - Thermal input (Bruciato-Burnt) Pn	Max kW	290	348	407	465	522	603	672	754	870	984	1160	1400		
Pot. termica utile - Heating capacity output	Max kW	291,2	349,4	409,4	468,7	524,1	604,2	676,0	755,5	871,7	987,0	1.162,3	1.405,6		
Pot. termica - Thermal input (Bruciato-Burnt)	Min kW	116,0	139,2	162,8	186,0	208,8	241,2	268,8	301,6	348,0	394,4	464,0	560,0		
Pot. termica utile - Heating capacity output	Min kW	126,1	151,3	177,0	202,2	227,0	261,7	292,2	327,2	377,6	427,9	503,4	608,7		
Rendimento termico	Max % (η _{max} @40%Pn)	108,7	108,7	108,7	108,7	108,7	108,5	108,7	108,5	108,5	108,5	108,5	108,7		
Thermal efficiency (Hi)	Min % (Nom., η _{min} @100%Pn)	100,4	100,4	100,6	100,8	100,4	100,2	100,6	100,2	100,2	100,1	100,2	100,4		
Portata aria - Air flow	m ³ /h	16.500	20.000	24.000	27.800	30.000	34.000	39.000	42.000	48.700	54.000	64.000	80.000		
Pressione statica utile - Static pressure	Pa	180	170	170	170	100	90	100	170	150	210	180	275		
Livello sonoro - Sound level	dB(A)	63	66	65	68	70	73	70	72	72	74	74	76		
ΔT aria uscita-ingresso - Air supply-intake ΔT (@100%Pn)	°C	53	53	52	51	53	54	53	55	54	55	55	53		
Motore elettrico - Electrical motor	kW(out)	2x 1,5	2x 2,2	2x 2,2	2x 3,0	2x 3,0	2x 4,0	3x 3,0	3x 4,0	3x 4,0	3x 5,5	4x 5,5	4x 7,5		
Alimentazione elettrica - Power supply		400Vac-3Ph+N-50/60Hz													
Dimensioni (Fornitura standard: GG12-R...130-R in unico pezzo; GG160-R...1200-R in 2 sezioni separate) - Dimensions (Standard supplied: GG12-R...130-R in one piece; GG160-R...1200-R in 2 separate sections)	A mm	1.900	1.900	2.100	2.100	2.100	2.100	2.600	2.600	3.100	3.100	3.700	3.700		
Dimensions	B mm	1.150	1.150	1.250	1.250	1.300	1.300	1.500	1.500	1.600	1.600	1.800	1.800		
	H mm	2.600	2.600	2.700	2.700	2.950	2.950	3.200	3.200	3.200	3.200	3.200	3.200		
Peso netto - Net weight	kg	763	813	973	1.052	1.234	1.439	1.904	2.035	2.270	2.603	2.927	3.308		
Sezioni-Sections CON/MOTORIZ	C - D mm-mm	C=1.950 - D=650		C=1.950 - D=750		C=2.150 - D=800		C=2.400 - D=800		C=2.400 - D=800		C=2.400 - D=800			
Box bruciatore - Burner box	E mm	800		800		900		900		1.000		1.100			
Flangia Bruciatore - Burner Flange	HB x φB mmxmm	HB.2170 x φB.180		HB.2270 x φB.200		HB.2480 x φB.200/220		HB.2525 x φB.220		HB.2630 x φB.240		HB.2630 x φB.240			
Scarico fumi - Smokes exhaust	HC x φC mmxmm	HC.1010 x φC.250		HC.1135 x φC.300		HC.1185 x φC.300		HC.1210 x φC.350		HC.1210 x φC.350		HC.1235 x φC.400			
Scelta del bruciatore - Burner selection	Lunghezza boccaglio - Nozzle length	MIN-MAX mm	min.110 - max.340	min.120 - max.310	min.120 - max.310	min.120 - max.310	min.120 - max.380	min.140 - max.490	min.140 - max.490	min.140 - max.490	min.140 - max.490	min.140 - max.590	min.140 - max.590		
	Diametro boccaglio - Nozzle diameter	MAX mm	170	170	190	190	210	210	230	230	230	230	230		
	Contropress. camera comb. - Counter pressure comb. chamber	Pa	80	90	110	120	135	145	150	160	170	170	180		
Sezioni e componenti - Sections and components	BME1-K(1)	Box Modulo Energy (doppio pan., preverniciata) Mod.	BME1-K5-V	BME1-K6-V	BME1-K7-V	BME1-K8-V	BME1-K9-V	BME1-K10-V							
	BME1-KZ(2)	Box Modulo Energy (doppio pannello, zincato) Mod.	BME1-KZ5-V	BME1-KZ6-V	BME1-KZ7-V	BME1-KZ8-V	BME1-KZ9-V	BME1-KZ10-V							
	GG-CON2(3)	Camera AISI 430 + Scambiatore AISI304L Mod.	GG250-CON2	GG300-CON2	GG350-CON2	GG400-CON2	GG450-CON2	GG520-CON2	GG580-CON2	GG650-CON2	GG750-CON2	GG850-CON2	GG1000-CON2	GG1200-CON2	
	GG-CON4(4)	Camera + Scambiatore Full AISI441 Mod.	GG250-CON4	GG300-CON4	GG350-CON4	GG400-CON4	GG450-CON4	GG520-CON4	GG580-CON4	GG650-CON4	GG750-CON4	GG850-CON4	GG1000-CON4	GG1200-CON4	
	BV-P(5)	Box sezione Ventilante (solo cassa preverniciata) Mod.	BV-P5-V	BV-P6-V	BV-P7-V	BV-P8-V	BV-P9-V	BV-P10-V							
	BV-Z(6)	Box sezione Ventilante (solo cassa zincata) Mod.	BV-Z5-V	BV-Z6-V	BV-Z7-V	BV-Z8-V	BV-Z9-V	BV-Z10-V							
	MOTORIZ(7)	Motorizzazione (Motore+Ventilatore) n° X Mod.	2x L9-1.5n705	2x L9-2.2n798	2x L11-2.2n570	2x L11-3.0n668	2x L11-3.0n596	2x L11-4.0n638	3x L10-3.0n596	3x L10-4.0n717	3x L11-4.0n638	3x L11-5.5n725	4x L11-4.0n638	4x L11-7.5n801	
	QE1(8)	Quadro elettrico Mod.	2x QE1-1.5	2x QE1-2.2	2x QE1-2.2	2x QE1-3.0	2x QE1-3.0	2x QE1-4.0	3x QE1-3.0	3x QE1-4.0	3x QE1-4.0	3x QE1-5.5	4x QE1-4.0	4x QE1-7,5	
	TF/L/S-R(9)	Kit 3 termostati (TF+TL+TS-R) Mod.	TF/L/S-R	TF/L/S-R	TF/L/S-R	TF/L/S-R	TF/L/S-R	TF/L/S-R	TF/L/S-R	TF/L/S-R	TF/L/S-R	TF/L/S-R	TF/L/S-R		
	BBR1-P(10)	Box Bruciatore (preverniciato) Mod.	BBR1-P5-V	BBR1-P6-V	BBR1-P7-V	BBR1-P8-V	BBR1-P9-V	BBR1-P10-V							
	BBR1-Z(11)	Box Bruciatore (zincato) Mod.	BBR1-Z5-V	BBR1-Z6-V	BBR1-Z7-V	BBR1-Z8-V	BBR1-Z9-V	BBR1-Z10-V							
CON2	R21	Vertical preverniciata/pre-painted (1+3+5+7+8+9)	Cod.	120250030	120300030	120350030	120400030	120450030	120520030	120580030	120650030	120750030	120850030	121000030	121200030
	R22	Vertical zincata/galvanized (2+3+6+7+8+9)	Cod.	120250031	120300031	120350031	120400031	120450031	120520031	120580031	120650031	120750031	120850031	121000031	121200031
	R23	Vertical preverniciata/pre-painted + BOX (1+3+5+7+8+9+10)	Cod.	120250032	120300032	120350032	120400032	120450032	120520032	120580032	120650032	120750032	120850032	121000032	121200032
	R24	Vertical zincata/galvanized + BOX (2+3+6+7+8+9+11)	Cod.	120250033	120300033	120350033	120400033	120450033	120520033	120580033	120650033	120750033	120850033	121000033	121200033
CON4	R41	Vertical preverniciata/pre-painted (1+4+5+7+8+9)	Cod.	120250034	120300034	120350034	120400034	120450034	120520034	120580034	120650034	120750034	120850034	121000034	121200034
	R42	Vertical zincata/galvanized (2+4+6+7+8+9)	Cod.	120250035	120300035	120350035	120400035	120450035	120520035	120580035	120650035	120750035	120850035	121000035	121200035
	R43	Vertical preverniciata/pre-painted + BOX (1+4+5+7+8+9+10)	Cod.	120250036	120300036	120350036	120400036	120450036	120520036	120580036	120650036	120750036	120850036	121000036	121200036
	R44	Vertical zincata/galvanized + BOX (2+4+6+7+8+9+11)	Cod.	120250037	120300037	120350037	120400037	120450037	120520037	120580037	120650037	120750037	120850037	121000037	121200037

Nome Mod.: aggiungere alla taglia dell'unità l'estensione "Versione" (Es.: GG12-R21)
Tutte le versioni con: Motorizzazione indicata, Quadro elettrico e termostati inclusi, Bocche aspirazione/mandata libera, NO bruciatore. Per riferimenti, chiarimenti e dati completi sulle prestazioni contattare il costruttore - vedi paragrafo "Tab Regolamento UE-2016-2281".

Model Name: add to the size of unit the "Version" extension (Ex.: GG12-R21)
All versions with: Motorization indicated, Electric board and thermostats included, Intake/supply open sides, NO burner. For referred, details and clarifications of the performances, contact the manufacturer + see paragraph "Tab UE-2016-2281 Regulation".