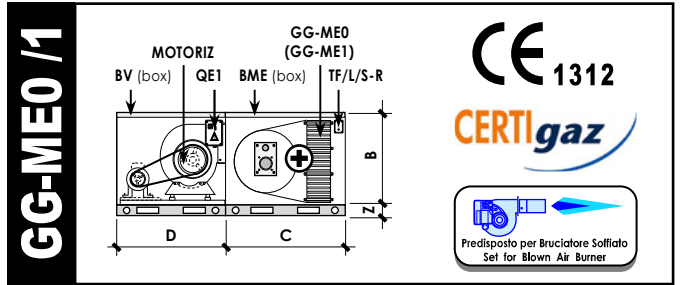
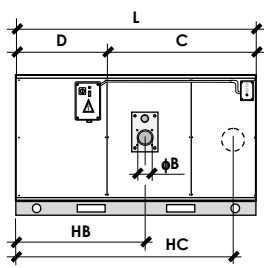
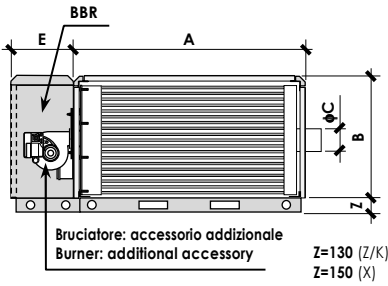


Generatore aria calda = Centrale Trattamento Aria autonoma con Modulo energetico
Air heater unit = Independent Air Handling Unit provided with Energy Module



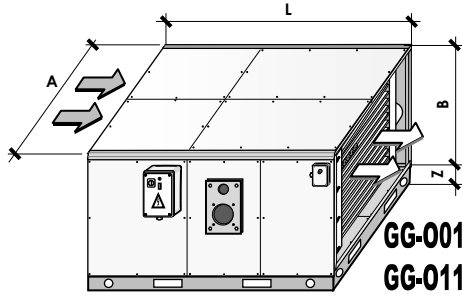
ECODESIGN



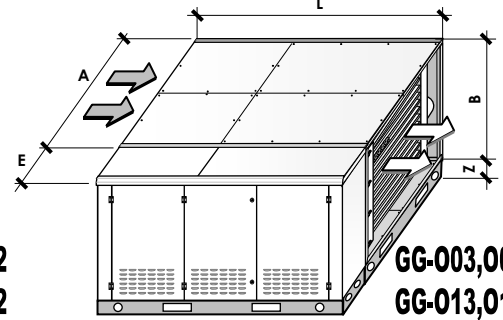
STANDARD

ERP COMPLIANT

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



GG-001,002
GG-011,012



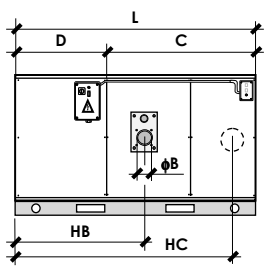
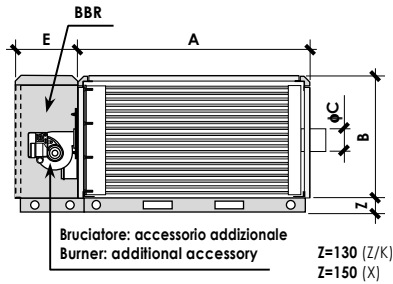
GG-003,004
GG-013,014

Taglia - Size		GG (ME0/1)	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 utile - 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-O...520-O in unico pezzo; GG580-O...1200-O in 2 sezioni separate) - Dimensions (Standard supplied: GG12-O...520-O in one piece; GG580-O...1200-O 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	430	430	480	480	480	480	480	630	630	830	830	980	980
	L	mm	1.300	1.300	1.440	1.440	1.440	1.950	1.950	2.100	2.100	2.450	2.450	2.650	2.650
		kg	88	93	96	100	104	120	135	178	198	273	313	441	491
Peso netto - Net weight															
Sezioni-Sections ME/MOTORIZ	C - D	mm-mm	C=900 - D=400		C=940 - D=500			C=1.100 - D=850		C=1.200 - D=900		C=1.450 - D=1.000		C=1.550 - D=1.100	
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.715 x φB.100		HB.1110 x φB.110		HB.1230 x φB.110/140		HB.1445 x φB.140		HB.1505 x φB.160		
Scarico fumi - Smokes exhaust	HC x φC	mmxmm	HC.970 x φC.120		HC.1095 x φC.120		HC.1585 x φC.120		HC.1740 x φC.160		HC.2080 x φC.180		HC.2255 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.220		min.100 - max.280
Diametro boccaglio - Nozzle diameter	MIN-MAX	mm	90 90		90 90		100 100		100 130		100 130		130 150		150 150
Contropress. camera comb. - Counter pressure comb. chamber		Pa	16 18		16 18		20 25		20 25		20 25		30 35		40 45
Sezioni e componenti - Sections and components															
BME-K(1)	Box Modulo Energa. (doppio pan., preverniciata) Box Energy module (double panel, pre-painted)	Mod.	BME-K00-O		BME-K0-O		BME-K1-O		BME-K2-O		BME-K3-O		BME-K4-O		
BME-KZ(2)	Box Modulo ener. (doppio pannello, zincata) Box Energy module (double panel, galvanized)	Mod.	BME-KZ00-O		BME-KZ0-O		BME-KZ1-O		BME-KZ2-O		BME-KZ3-O		BME-KZ4-O		
GG-ME0(3)	Camera + Scambiatore Full Alluminato Chamber + Exchanger Full Aluminates	Mod.	GG12-ME0 GG15-ME0		GG20-ME0 GG25-ME0 GG29-ME0		GG30-ME0 GG40-ME0		GG60-ME0 GG80-ME0		GG110-ME0 GG130-ME0		GG160-ME0 GG200-ME0		
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-O		BV-P0-O		BV-P1-O		BV-P2-O		BV-P3-O		BV-P4-O		
BV-Z(6)	Box sezione Ventilante (solo cassa zincata) Box Ventilating section (galvanized casing only)	Mod.	BV-Z00-O		BV-Z0-O		BV-Z1-O		BV-Z2-O		BV-Z3-O		BV-Z4-O		
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-O		BBR-P0-O		BBR-P1-O		BBR-P2-O		BBR-P3-O		BBR-P4-O		
BBR-Z(11)	Box Bruciatore (zincato) Box Burner (galvanized)	Mod.	BBR-Z00-O		BBR-Z0-O		BBR-Z1-O		BBR-Z2-O		BBR-Z3-O		BBR-Z4-O		
ME0	001	Horizontal preverniciata/pre-painted (1+3+5+7+8+9)	Cod.	120012042 120015042		120020042 120025042 120029042		120030042 120040042		120060042 120080042		120110042 120130042		120160042 120200042	
	002	Horizontal zincata/galvanized (2+3+6+7+8+9)	Cod.	120012043 120015043		120020043 120025043 120029043		120030043 120040043		120060043 120080043		120110043 120130043		120160043 120200043	
	003	Horizontal preverniciata/pre-painted +BOX (1+3+5+7+8+9+10)	Cod.	120012044 120015044		120020044 120025044 120029044		120030044 120040044		120060044 120080044		120110044 120130044		120160044 120200044	
	004	Horizontal zincata/galvanized + BOX (2+3+6+7+8+9+11)	Cod.	120012045 120015045		120020045 120025045 120029045		120030045 120040045		120060045 120080045		120110045 120130045		120160045 120200045	
ME1	011	Horizontal preverniciata/pre-painted (1+4+5+7+8+9)	Cod.	120012003 120015003		120020003 120025003 120029003		120030003 120040003		120060003 120080003		120110003 120130003		120160003 120200003	
	012	Horizontal zincata/galvanized (2+4+6+7+8+9)	Cod.	120012004 120015004		120020004 120025004 120029004		120030004 120040004		120060004 120080004		120110004 120130004		120160004 120200004	
	013	Horizontal preverniciata/pre-painted +BOX (1+4+5+7+8+9+10)	Cod.	120012013 120015013		120020013 120025013 120029013		120030013 120040013		120060013 120080013		120110013 120130013		120160013 120200013	
	014	Horizontal zincata/galvanized + BOX (2+4+6+7+8+9+11)	Cod.	120012014 120015014		120020014 120025014 120029014		120030014 120040014		120060014 120080014		120110014 120130014		120160014 120200014	

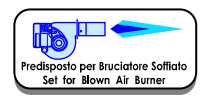
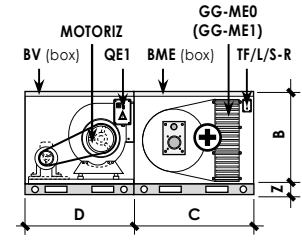
Nome Mod.: aggiungere alla taglia dell'unità l'estensione "Versione" (Es.: GG12-001)
Tutte le versioni con: Motorizzazione indicata, Quadro elettrico e termostati inclusi, Bocche aspirazione/mandata libere, NO bruciatore.
Per riferimenti, chiarimenti e dati completi sulle prestazioni contattare il costruttore + vedi paragrafo "Tab Regolamento UE-2016-2281".

Model Name: add to the size of unit the "Version" extension (Ex.: GG12-001)
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-ME0/1



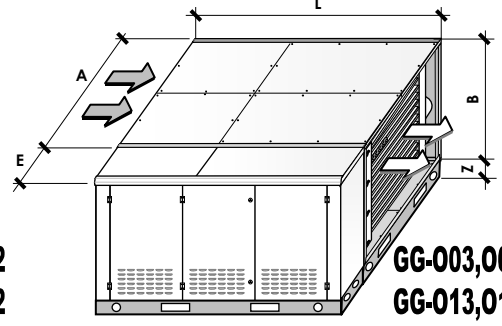
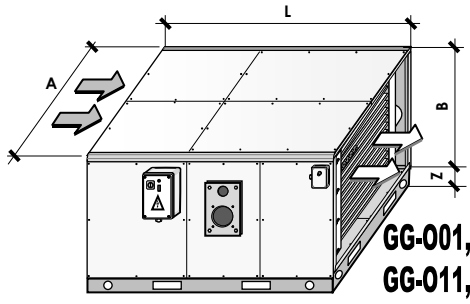
ECODESIGN



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 (Bruciata-Burnt) Pn	Max kW	290	348	407	465	522	603	672	754	870	986	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 (Bruciata-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 % (Norm., 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-O...520-O in unico pezzo; GG580-O...1200-O in 2 sezioni separate) - Dimensions (Standard supplied: GG12-O...520-O in one piece; GG580-O...1200-O in 2 separate sections)

Dimensioni	A mm	B mm	L mm	Peso netto - Net weight	C mm	D mm	E mm	HC x φB mmxmm	HC x φC mmxmm
GG 250	1.900	1.900	2.750	610	1.750	D=1.000	800	HB.1530 x φB.180	HC.2380 x φC.250
GG 300	1.130	1.130	2.750	650	1.750	D=1.100	800	HB.1585 x φB.200	HC.2430 x φC.300
GG 350	2.100	2.100	2.800	765	1.950	D=1.100	900	HB.1670 x φB.200/220	HC.2680 x φC.300
GG 400	1.230	1.230	2.800	835	2.100	D=1.100	900	HB.1870 x φB.220	HC.2920 x φC.350
GG 450	1.280	1.280	3.050	1.000	2.100	D=1.100	900	HB.1870 x φB.220	HC.2920 x φC.350
GG 520	2.600	2.600	3.050	1.170	2.300	D=1.100	1.000	HB.1870 x φB.240	HC.3020 x φC.350
GG 580	1.480	1.480	3.300	1.540	2.300	D=1.100	1.000	HB.1870 x φB.240	HC.3020 x φC.350
GG 650	3.100	3.100	3.400	1.850	2.300	D=1.100	1.000	HB.1870 x φB.240	HC.3020 x φC.350
GG 750	1.580	1.580	3.400	2.160	2.300	D=1.100	1.000	HB.1870 x φB.240	HC.3020 x φC.350
GG 850	3.700	3.700	3.500	2.430	2.400	D=1.100	1.100	HB.1850 x φB.240	HC.3090 x φC.400
GG1000	1.780	1.780	3.500	2.750	2.400	D=1.100	1.100	HB.1850 x φB.240	HC.3090 x φC.400
GG1200	1.780	1.780	3.500	2.750	2.400	D=1.100	1.100	HB.1850 x φB.240	HC.3090 x φC.400

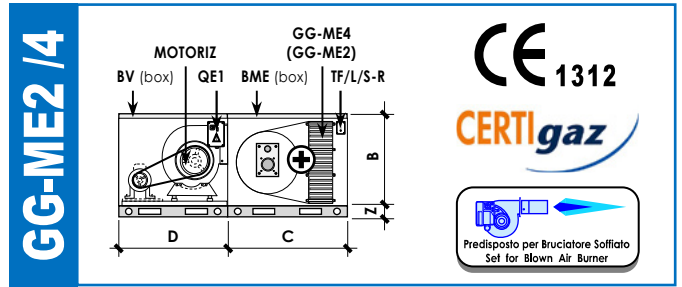
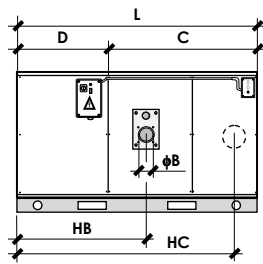
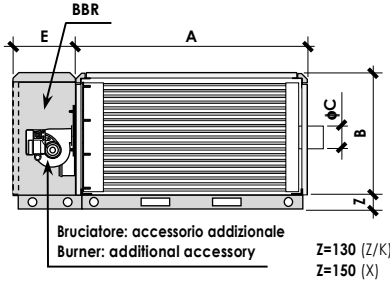
Scelta del bruciatore - Burner selection		GG 250	GG 300	GG 350	GG 400	GG 450	GG 520	GG 580	GG 650	GG 750	GG 850	GG1000	GG1200
Lunghezza boccaglio - Nozzle length	MIN-MAX mm	min.110 - max.340	min.120 - max.310	min.120 - max.310	min.120 - max.310	min.120 - max.310	min.120 - max.310	min.120 - max.380	min.140 - 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	190	190	190	210	210	210	230	230	230	230	230
Contropress. camera comb. - Counter pressure comb. chamber	Pa	55	65	75	85	90	100	105	115	110	120	120	130

Sezioni e componenti - Sections and components		GG 250	GG 300	GG 350	GG 400	GG 450	GG 520	GG 580	GG 650	GG 750	GG 850	GG1000	GG1200	
BME-K(1)	Box Modulo Ener. (doppio pan., preverniciata) Box Energy module (double panel, pre-painted)	Mod.	BME-K5-O	BME-K6-O	BME-K7-O	BME-K8-O	BME-K9-O	BME-K10-O						
BME-KZ(2)	Box Modulo Ener. (doppio pannello, zincata) Box Energy module (double panel, galvanized)	Mod.	BME-KZ5-O	BME-KZ6-O	BME-KZ7-O	BME-KZ8-O	BME-KZ9-O	BME-KZ10-O						
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-O	BV-P6-O	BV-P7-O	BV-P8-O	BV-P9-O	BV-P10-O						
BV-Z(6)	Box sezione Ventilante (solo cassa zincata) Box Ventilating section (galvanized casing only)	Mod.	BV-Z5-O	BV-Z6-O	BV-Z7-O	BV-Z8-O	BV-Z9-O	BV-Z10-O						
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						
BBR-P(10)	Box Bruciatore (preverniciato) Box Burner (pre-painted)	Mod.	BBR-P5-O	BBR-P6-O	BBR-P7-O	BBR-P8-O	BBR-P9-O	BBR-P10-O						
BBR-Z(11)	Box Bruciatore (zincato) Box Burner (galvanized)	Mod.	BBR-Z5-O	BBR-Z6-O	BBR-Z7-O	BBR-Z8-O	BBR-Z9-O	BBR-Z10-O						

ME0	001	Horizontal preverniciata/pre-painted (1+3+5+7+8+9)	Cod.	120250042	120300042	120350042	120400042	120450042	120520042	120580042	120650042	120750042	120850042	121000042	121200042
		002	Horizontal zincata/galvanized (2+3+6+7+8+9)	Cod.	120250043	120300043	120350043	120400043	120450043	120520043	120580043	120650043	120750043	120850043	121000043
	003	Horizontal preverniciata/pre-painted +BOX (1+3+5+7+8+9+10)	Cod.	120250044	120300044	120350044	120400044	120450044	120520044	120580044	120650044	120750044	120850044	121000044	121200044
	004	Horizontal zincata/galvanized + BOX (2+3+6+7+8+9+11)	Cod.	120250045	120300045	120350045	120400045	120450045	120520045	120580045	120650045	120750045	120850045	121000045	121200045
ME1	011	Horizontal preverniciata/pre-painted (1+4+5+7+8+9)	Cod.	120250003	120300003	120350003	120400003	120450003	120520003	120580003	120650003	120750003	120850003	121000003	121200003
	012	Horizontal zincata/galvanized (2+4+6+7+8+9)	Cod.	120250004	120300004	120350004	120400004	120450004	120520004	120580004	120650004	120750004	120850004	121000004	121200004
	013	Horizontal preverniciata/pre-painted +BOX (1+4+5+7+8+9+10)	Cod.	120250013	120300013	120350013	120400013	120450013	120520013	120580013	120650013	120750013	120850013	121000013	121200013
	014	Horizontal zincata/galvanized + BOX (2+4+6+7+8+9+11)	Cod.	120250014	120300014	120350014	120400014	120450014	120520014	120580014	120650014	120750014	120850014	121000014	121200014

Nome Mod.: aggiungere alla taglia dell'unità l'estensione "Versione" (Es.: GG12-O01)
 Model Name: add to the size of unit the "Version" extension (Ex.: GG12-O01)
 Tutte le versioni con: Motorizzazione indicata, Quadro elettrico e termostati inclusi, Bocche aspirazione/mandata libere, NO bruciatore.
 All versions with: Motorization indicated, Electric board and thermostats included, Intake/supply open sides, NO burner.
 Per riferimenti, chiarimenti e dati completi sulle prestazioni contattare il costruttore + vedi paragrafo "Tab Regolamento UE-2016-2281".
 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



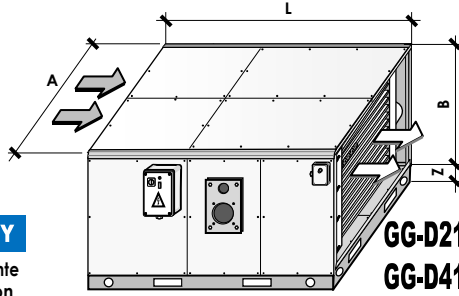
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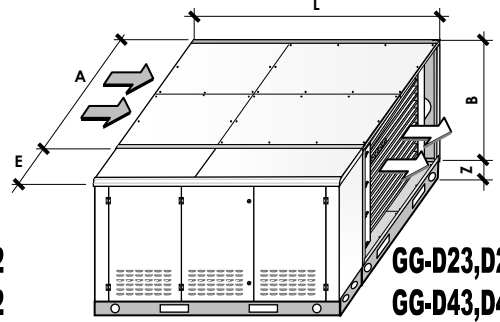
ERP COMPLIANT

ALTO RENDIMENTO - HIGH EFFICIENCY

Condensazione a funzionamento termico modulante
Condensation with modulating thermal operation



**GG-D21, D22
GG-D41, D42**



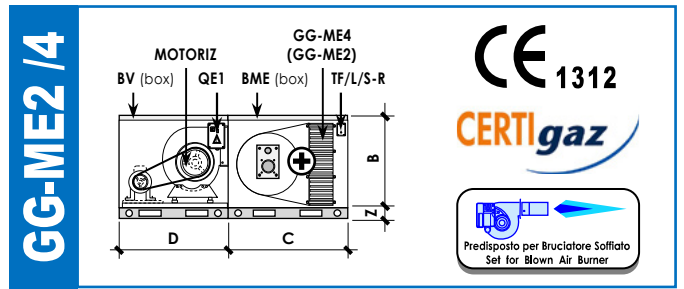
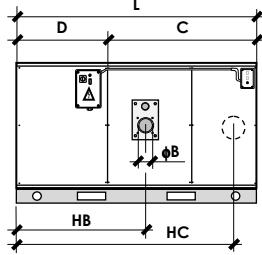
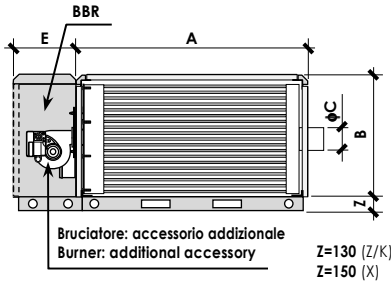
**GG-D23, D24
GG-D43, D44**

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	5.300	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-D...520-D in unico pezzo; GG580-D...1200-D in 2 sezioni separate) - Dimensions (Standard supplied: GG12-D...520-D in one piece; GG580-D...1200-D 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	430	430	480	480	480	480	480	630	630	830	830	980	980		
	L mm	1.300	1.300	1.440	1.440	1.440	1.950	1.950	2.100	2.100	2.450	2.450	2.650	2.650		
	kg	88	93	96	100	104	120	135	178	198	273	313	441	491		
Peso netto - Net weight																
Sezioni-Sections ME/MOTORIZ	C - D mm-mm	C=900 - D=400		C=940 - D=500			C=1.100 - D=850		C=1.200 - D=900		C=1.450 - D=1.000		C=1.550 - D=1.100			
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.715 x φB.100			HB.1110 x φB.110		HB.1230 x φB.110/140		HB.1445 x φB.140		HB.1505 x φB.160			
Scarico fumi - Smokes exhaust	HC x φC mmxmm	HC.970 x φC.120		HC.1095 x φC.120			HC.1585 x φC.120		HC.1740 x φC.160		HC.2080 x φC.180		HC.2255 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			
Diámetro 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 Energia, (doppio pan., preverniciata) Box Energy module (double panel, pre-painted)	Mod.	BME-K00-O			BME-K0-O		BME-K1-O		BME-K2-O		BME-K3-O		BME-K4-O		
BME-KZ(2)	Box Modulo energia, (doppio pannello, zincata) Box Energy module (double panel, galvanized)	Mod.	BME-KZ00-O			BME-KZ0-O		BME-KZ1-O		BME-KZ2-O		BME-KZ3-O		BME-KZ4-O		
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-O		BV-P0-O		BV-P1-O		BV-P2-O		BV-P3-O		BV-P4-O			
BV-Z(6)	Box sezione Ventilante (solo cassa zincata) Box Ventilating section (galvanized casing only)	Mod.	BV-Z00-O		BV-Z0-O		BV-Z1-O		BV-Z2-O		BV-Z3-O		BV-Z4-O			
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-O		BBR-P0-O			BBR-P1-O		BBR-P2-O		BBR-P3-O		BBR-P4-O		
BBR-Z(11)	Box Bruciatore (zincato) Box Burner (galvanized)	Mod.	BBR-Z00-O		BBR-Z0-O			BBR-Z1-O		BBR-Z2-O		BBR-Z3-O		BBR-Z4-O		
ME2	D21	Horizontal preverniciata/pre-painted (1+3+5+7+8+9)	Cod.	120012046	120015046	120020046	120025046	120029046	120030046	120040046	120060046	120080046	120110046	120130046	120160046	120200046
	D22	Horizontal zincata/galvanized (2+3+6+7+8+9)	Cod.	120012047	120015047	120020047	120025047	120029047	120030047	120040047	120060047	120080047	120110047	120130047	120160047	120200047
	D23	Horizontal preverniciata/pre-painted +BOX (1+3+5+7+8+9+10)	Cod.	120012048	120015048	120020048	120025048	120029048	120030048	120040048	120060048	120080048	120110048	120130048	120160048	120200048
	D24	Horizontal zincata/galvanized + BOX (2+3+6+7+8+9+11)	Cod.	120012049	120015049	120020049	120025049	120029049	120030049	120040049	120060049	120080049	120110049	120130049	120160049	120200049
ME4	D41	Horizontal preverniciata/pre-painted (1+4+5+7+8+9)	Cod.	120012050	120015050	120020050	120025050	120029050	120030050	120040050	120060050	120080050	120110050	120130050	120160050	120200050
	D42	Horizontal zincata/galvanized (2+4+6+7+8+9)	Cod.	120012051	120015051	120020051	120025051	120029051	120030051	120040051	120060051	120080051	120110051	120130051	120160051	120200051
	D43	Horizontal preverniciata/pre-painted +BOX (1+4+5+7+8+9+10)	Cod.	120012052	120015052	120020052	120025052	120029052	120030052	120040052	120060052	120080052	120110052	120130052	120160052	120200052
	D44	Horizontal zincata/galvanized + BOX (2+4+6+7+8+9+11)	Cod.	120012053	120015053	120020053	120025053	120029053	120030053	120040053	120060053	120080053	120110053	120130053	120160053	120200053

Nome Mod.: aggiungere alla taglia dell'unità l'estensione "Versione" (Es.: GG12-D21)
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-D21)
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



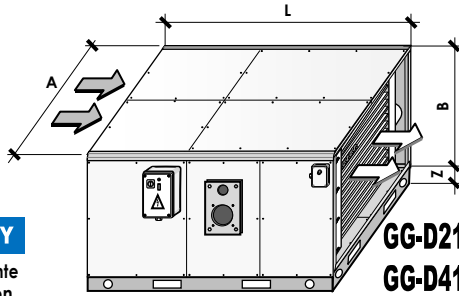
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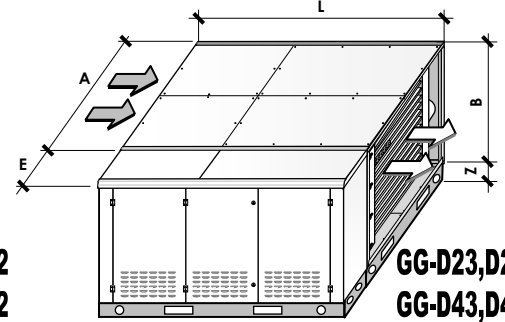
ERP COMPLIANT

ALTO RENDIMENTO - HIGH EFFICIENCY

Condensazione a funzionamento termico modulante
Condensation with modulating thermal operation



**GG-D21, D22
GG-D41, D42**



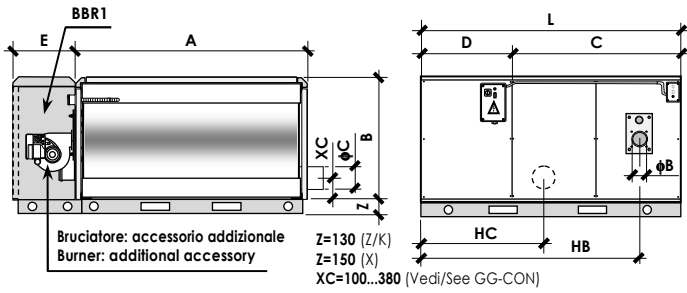
**GG-D23, D24
GG-D43, D44**

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 (Bruciata-Burnt) Pn	Max=Max kW	232	278	326	372	418	482	538	603	696	789	928	1.120	1.200	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	1.047,2	1.047,2
Pot. termica - Thermal input (Bruciata-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	560,0	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	571,2	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	102,1	101,8	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	93,3	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	80.000	80.000
Pressione statica utile - Static pressure	Pa	220	210	210	215	120	110	125	210	190	250	215	315	315	315
Livello sonoro - Sound level	dB(A)	63	66	65	68	70	73	70	72	72	74	74	76	76	76
ΔT aria uscita-ingresso - Air supply-intake ΔT (@ 100%Pn)	°C	40	39	38	38	39	40	39	41	40	41	41	40	40	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	4x 7,5	4x 7,5
Alimentazione elettrica - Power supply		400Vac-3Ph+N-50/60Hz													
Dimensioni (Fornitura standard: GG12-D...520-D in unico pezzo; GG580-D...1200-D in 2 sezioni separate) - Dimensions (Standard supplied: GG12-D...520-D in one piece; GG580-D...1200-D 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
Dimensioni	B	mm	1.130	1.130	1.230	1.230	1.280	1.280	1.480	1.480	1.580	1.580	1.780	1.780	
Dimensioni	L	mm	2.750	2.750	2.800	2.800	3.050	3.050	3.300	3.300	3.400	3.400	3.500	3.500	
Peso netto - Net weight	kg	610	650	765	835	1.000	1.170	1.540	1.650	1.850	2.160	2.430	2.750	2.750	
Sezioni-Sections ME/MOTORIZ	C - D	mm-mm	C=1.750 - D=1.000		C=1.700 - D=1.100		C=1.950 - D=1.100		C=2.200 - D=1.100		C=2.300 - D=1.100		C=2.400 - D=1.100		
Box bruciatore - Burner box	E	mm	800		800		900		900		1.000		1.100		
Flangia Bruciatore - Burner Flange	HB x φ	mmxmm	HB.1530 x φB.180		HB.1585 x φB.200		HB.1670 x φB.200/220		HB.1870 x φB.220		HB.1870 x φB.240		HB.1850 x φB.240		
Scarico fumi - Smokes exhaust	HC x φ	mmxmm	HC.2380 x φC.250		HC.2430 x φC.300		HC.2680 x φC.300		HC.2920 x φC.350		HC.3020 x φC.350		HC.3090 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.310	min.120 - max.380	min.140 - max.490	min.140 - max.490	min.140 - max.490	min.140 - max.590	min.140 - max.590	min.140 - max.590	min.140 - max.590
Lunghezza boccaglio - Nozzle length	MAX	mm	170	170	190	190	190	210	210	210	230	230	230	230	230
Contropress. camera comb. - Counter pressure comb. chamber	Pa		40	45	50	55	60	65	70	75	80	80	85	85	85
Sezioni e componenti - Sections and components															
BME-K(1)	Box Modulo Energia (doppio pan., preverniciata) Box Energy module (double panel, pre-painted)	Mod.		BME-K5-O	BME-K6-O	BME-K7-O	BME-K8-O	BME-K9-O	BME-K10-O						
BME-KZ(2)	Box Modulo energia (doppio pannello, zincata) Box Energy module (double panel, galvanized)	Mod.		BME-KZ5-O	BME-KZ6-O	BME-KZ7-O	BME-KZ8-O	BME-KZ9-O	BME-KZ10-O						
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-O	BV-P6-O	BV-P7-O	BV-P8-O	BV-P9-O	BV-P10-O						
BV-Z(6)	Box sezione Ventilante (solo cassa zincata) Box Ventilating section (galvanized casing only)	Mod.		BV-Z5-O	BV-Z6-O	BV-Z7-O	BV-Z8-O	BV-Z9-O	BV-Z10-O						
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	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-O	BBR-P6-O	BBR-P7-O	BBR-P8-O	BBR-P9-O	BBR-P10-O						
BBR-Z(11)	Box Bruciatore (zincato) Box Burner (galvanized)	Mod.		BBR-Z5-O	BBR-Z6-O	BBR-Z7-O	BBR-Z8-O	BBR-Z9-O	BBR-Z10-O						
ME2	D21	Horizontal preverniciata/pre-painted (1+3+5+7+8+9)	Cod.	120250046	120300046	120350046	120400046	120450046	120520046	120580046	120650046	120750046	120850046	121000046	121200046
	D22	Horizontal zincata/galvanized (2+3+6+7+8+9)	Cod.	120250047	120300047	120350047	120400047	120450047	120520047	120580047	120650047	120750047	120850047	121000047	121200047
	D23	Horizontal preverniciata/pre-painted +BOX (1+3+5+7+8+9+10)	Cod.	120250048	120300048	120350048	120400048	120450048	120520048	120580048	120650048	120750048	120850048	121000048	121200048
	D24	Horizontal zincata/galvanized + BOX (2+3+6+7+8+9+11)	Cod.	120250049	120300049	120350049	120400049	120450049	120520049	120580049	120650049	120750049	120850049	121000049	121200049
ME4	D41	Horizontal preverniciata/pre-painted (1+4+5+7+8+9)	Cod.	120250050	120300050	120350050	120400050	120450050	120520050	120580050	120650050	120750050	120850050	121000050	121200050
	D42	Horizontal zincata/galvanized (2+4+6+7+8+9)	Cod.	120250051	120300051	120350051	120400051	120450051	120520051	120580051	120650051	120750051	120850051	121000051	121200051
	D43	Horizontal preverniciata/pre-painted +BOX (1+4+5+7+8+9+10)	Cod.	120250052	120300052	120350052	120400052	120450052	120520052	120580052	120650052	120750052	120850052	121000052	121200052
	D44	Horizontal zincata/galvanized + BOX (2+4+6+7+8+9+11)	Cod.	120250053	120300053	120350053	120400053	120450053	120520053	120580053	120650053	120750053	120850053	121000053	121200053

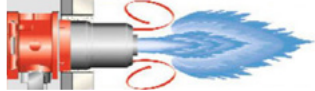
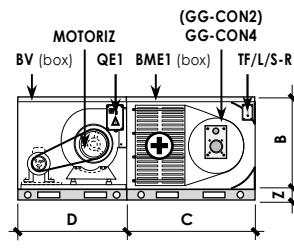
Nome Mod.: aggiungere alla taglia dell'unità l'estensione "Versione" (Es.: GG12-D21)
Tutte le versioni con: Motorizzazione indicata, Quadro elettrico e termostati inclusi, Bocche aspirazione/mandata libere, NO bruciatore.
Per riferimenti, chiarimenti e dati completi sulle prestazioni contattare il costruttore + vedi paragrafo "Tab Regolamento UE-2016-2281".

Model Name: add to the size of unit the "Version" extension (Ex.: GG12-D21)
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

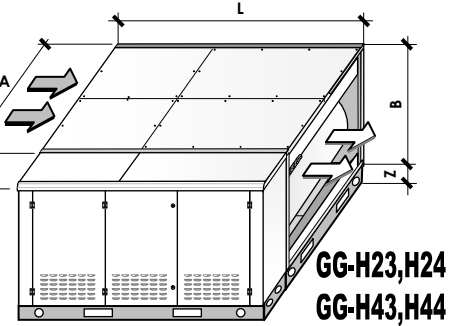
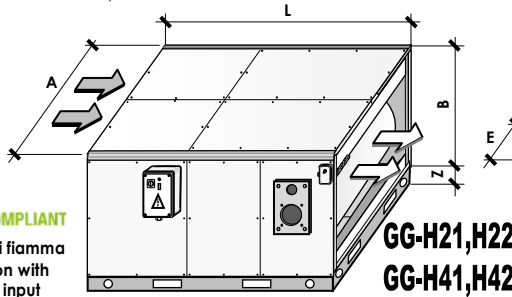


GG-CON2/4



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

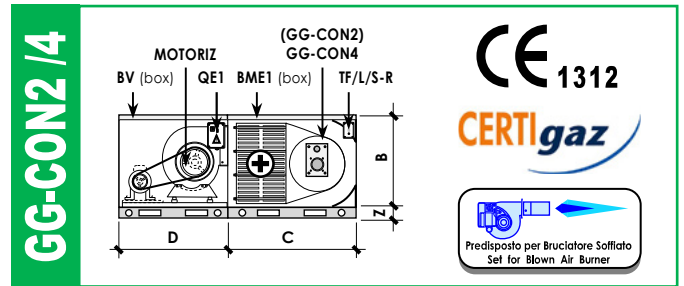
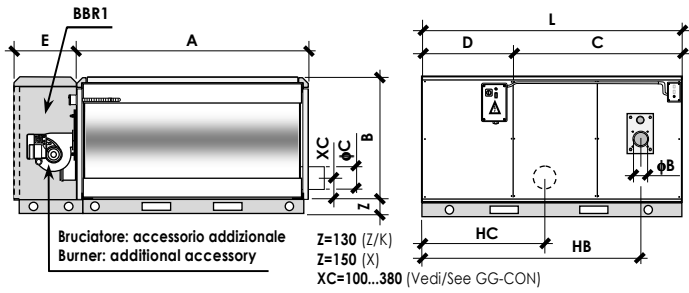


Taglia - Size	GG (CON2/4)	GG 12	GG 15	GG 20	GG 25	GG 29	GG 30	GG 40	GG 60	GG 80	GG110	GG130	GG160	GG200		
Pot. termica - Thermal input (Bruciata-Burnt) Nom=Max kW	Max	14	18	23	28	33	34	46	69	93	127	151	186	232		
Pot. termica utile - Heating capacity output	Max	14,1	18,4	23,3	28,6	33,6	34,7	46,8	69,7	93,6	128,0	151,6	187,1	233,4		
Pot. termica - Thermal input (Bruciata-Burnt) Min kW	Min	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	Min	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 Thermal efficiency (Hi) Max % (η _{max} @40%Pn)	Max %	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		
Rendimento termico Thermal efficiency (Hi) Min % (Nom., η _{min} @100%Pn)	Min %	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-H...520-H in unico pezzo; GG580-H...1200-H in 2 sezioni separate) - Dimensions (Standard supplied: GG12-H...520-H in one piece; GG580-H...1200-H in 2 separate sections)																
Dimensioni	A mm	450	450	650	650	650	750	750	900	900	1.000	1.000	1.400	1.400		
Dimensioni	B mm	430	430	480	480	480	480	480	630	630	830	830	980	980		
Dimensioni	L mm	1.500	1.500	1.640	1.640	1.640	2.150	2.150	2.300	2.300	2.650	2.650	2.850	2.850		
Peso netto - Net weight	kg	106	112	117	123	128	150	169	230	254	356	402	559	620		
Sezioni-Sections CON/MOTORIZ	C - D mm-mm	C=1.100 - D=400		C=1.140 - D=500			C=1.300 - D=850		C=1.400 - D=900		C=1.650 - D=1.000		C=1.750 - D=1.100			
Box bruciatore - Burner box	E mm	400		400			400		450		500		700			
Flangia Bruciatore - Burner Flange	HB x φB mmxmm	HB.1350 x φB.100		HB.1450 x φB.100			HB.1980 x φB.110		HB.2070 x φB.110/140		HB.2240 x φB.140		HB.2520 x φB.160			
Scarico fumi - Smokes exhaust	HC x φC mmxmm	HC.735 x φC.120		HC.835 x φC.120			HC.1185 x φC.120		HC.1235 x φC.160		HC.1335 x φC.180		HC.1435 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	MIN-MAX mm	90 90		90 90 90			100 100 100		100 130 130		130 130 150		150 150 150			
Contropress. camera comb. - Counter pressure comb. chamber	Pa	25 30		25 30 35			30 35		35 40		40 50		60 70			
Sezioni e componenti - Sections and components																
BME1-K(1)	Box Modulo Ener. (doppio pan., preverniciata) Box Energy module (double panel, pre-painted)	Mod.	BME1-K0-O			BME1-K1-O		BME1-K2-O		BME1-K3-O		BME1-K4-O				
BME1-KZ(2)	Box Modulo ener. (doppio pannello, zincata) Box Energy module (double panel, galvanized)	Mod.	BME1-KZ0-O			BME1-KZ1-O		BME1-KZ2-O		BME1-KZ3-O		BME1-KZ4-O				
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-P0-O		BV-P1-O			BV-P2-O		BV-P3-O		BV-P4-O				
BV-Z(6)	Box sezione Ventilante (solo cassa zincata) Box Ventilating section (galvanized casing only)	Mod.	BV-Z0-O		BV-Z1-O			BV-Z2-O		BV-Z3-O		BV-Z4-O				
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-P0-O			BBR1-P1-O		BBR1-P2-O		BBR1-P3-O		BBR1-P4-O				
BBR1-Z(11)	Box Bruciatore (zincato) Box Burner (galvanized)	Mod.	BBR1-Z0-O			BBR1-Z1-O		BBR1-Z2-O		BBR1-Z3-O		BBR1-Z4-O				
CON2	H21	Horizontal preverniciata/pre-painted (1+3+5+7+8+9)	Cod.	120012054	120015054	120020054	120025054	120029054	120030054	120040054	120060054	120080054	120110054	120130054	120160054	120200054
	H22	Horizontal zincata/galvanized (2+3+6+7+8+9)	Cod.	120012055	120015055	120020055	120025055	120029055	120030055	120040055	120060055	120080055	120110055	120130055	120160055	120200055
	H23	Horizontal preverniciata/pre-painted +BOX (1+3+5+7+8+9+10)	Cod.	120012056	120015056	120020056	120025056	120029056	120030056	120040056	120060056	120080056	120110056	120130056	120160056	120200056
	H24	Horizontal zincata/galvanized + BOX (2+3+6+7+8+9+11)	Cod.	120012057	120015057	120020057	120025057	120029057	120030057	120040057	120060057	120080057	120110057	120130057	120160057	120200057
CON4	H41	Horizontal preverniciata/pre-painted (1+4+5+7+8+9)	Cod.	120012058	120015058	120020058	120025058	120029058	120030058	120040058	120060058	120080058	120110058	120130058	120160058	120200058
	H42	Horizontal zincata/galvanized (2+4+6+7+8+9)	Cod.	120012059	120015059	120020059	120025059	120029059	120030059	120040059	120060059	120080059	120110059	120130059	120160059	120200059
	H43	Horizontal preverniciata/pre-painted +BOX (1+4+5+7+8+9+10)	Cod.	120012060	120015060	120020060	120025060	120029060	120030060	120040060	120060060	120080060	120110060	120130060	120160060	120200060
	H44	Horizontal zincata/galvanized + BOX (2+4+6+7+8+9+11)	Cod.	120012061	120015061	120020061	120025061	120029061	120030061	120040061	120060061	120080061	120110061	120130061	120160061	120200061

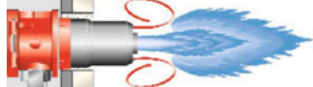
Nome Mod.: aggiungere alla taglia dell'unità l'estensione "Versione" (Es.: GG12-H21)
Tutte le versioni con: Motorizzazione indicata, Quadro elettrico e termostati inclusi, Bocche aspirazione/mandata libere, NO bruciatore.
Per riferimenti, chiarimenti e dati completi sulle prestazioni contattare il costruttore + vedi paragrafo "Tab Regolamento UE-2016-2281".

Model Name: add to the size of unit the "Version" extension (Ex.: GG12-H21)
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

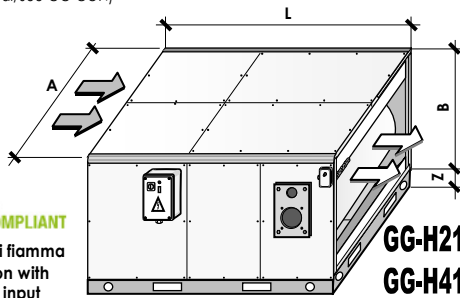


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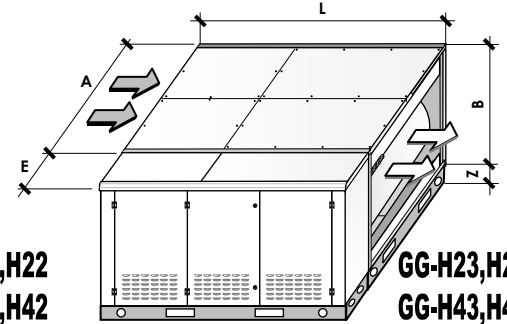


CONDENSAZIONE - CONDENSATION ERP COMPLIANT

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



**GG-H21, H22
GG-H41, H42**



**GG-H23, H24
GG-H43, H44**

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 (Bruciata-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 (Bruciata-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-H...520-H in unico pezzo; GG580-H...1200-H in 2 sezioni separate) - Dimensions (Standard supplied: GG12-H...520-H in one piece; GG580-H...1200-H 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	
Dimensioni	B mm	1.130	1.130	1.230	1.230	1.280	1.280	1.480	1.480	1.580	1.580	1.780	1.780	
Dimensioni	L mm	2.950	2.950	3.050	3.050	3.250	3.250	3.500	3.500	3.500	3.500	3.500	3.500	
Peso netto - Net weight	kg	793	843	1.008	1.087	1.284	1.489	1.974	2.105	2.350	2.683	3.037	3.418	
Sezioni-Sections CON/MOTORIZ	C - D mm-mm	C=1.950 - D=1.000		C=1.950 - D=1.100		C=2.150 - D=1.100		C=2.400 - D=1.100		C=2.400 - D=1.100		C=2.400 - D=1.100		
Box bruciatore - Burner box	E mm	800		800		900		900		1.000		1.100		
Flangia Bruciatore - Burner Flange	HB x φ mmxmm	HB.2520 x φB.180		HB.2620 x φB.200		HB.2780 x φB.200/220		HB.2825 x φB.220		HB.2930 x φB.240		HB.2930 x φB.240		
Scarico fumi - Smokes exhaust	HC x φ mmxmm	HC.1360 x φC.250		HC.1485 x φC.300		HC.1485 x φC.300		HC.1510 x φC.350		HC.1510 x φC.350		HC.1535 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.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	80		90		110		120		135		145	
Sezioni e componenti - Sections and components	BME1-K(1)	Mod.	BME1-K5-O		BME1-K6-O		BME1-K7-O		BME1-K8-O		BME1-K9-O		BME1-K10-O	
	BME1-KZ(2)	Mod.	BME1-KZ5-O		BME1-KZ6-O		BME1-KZ7-O		BME1-KZ8-O		BME1-KZ9-O		BME1-KZ10-O	
	GG-CON2(3)	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)	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)	Mod.	BV-P5-O		BV-P6-O		BV-P7-O		BV-P8-O		BV-P9-O		BV-P10-O	
	BV-Z(6)	Mod.	BV-Z5-O		BV-Z6-O		BV-Z7-O		BV-Z8-O		BV-Z9-O		BV-Z10-O	
	MOTORIZ(7)	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)	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)	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)	Mod.	BBR1-P5-O		BBR1-P6-O		BBR1-P7-O		BBR1-P8-O		BBR1-P9-O		BBR1-P10-O	
	BBR1-Z(11)	Mod.	BBR1-Z5-O		BBR1-Z6-O		BBR1-Z7-O		BBR1-Z8-O		BBR1-Z9-O		BBR1-Z10-O	
CON2	H21	Cod.	120250054	120300054	120350054	120400054	120450054	120520054	120580054	120650054	120750054	120850054	121000054	121200054
	H22	Cod.	120250055	120300055	120350055	120400055	120450055	120520055	120580055	120650055	120750055	120850055	121000055	121200055
	H23	Cod.	120250056	120300056	120350056	120400056	120450056	120520056	120580056	120650056	120750056	120850056	121000056	121200056
	H24	Cod.	120250057	120300057	120350057	120400057	120450057	120520057	120580057	120650057	120750057	120850057	121000057	121200057
CON4	H41	Cod.	120250058	120300058	120350058	120400058	120450058	120520058	120580058	120650058	120750058	120850058	121000058	121200058
	H42	Cod.	120250059	120300059	120350059	120400059	120450059	120520059	120580059	120650059	120750059	120850059	121000059	121200059
	H43	Cod.	120250060	120300060	120350060	120400060	120450060	120520060	120580060	120650060	120750060	120850060	121000060	121200060
	H44	Cod.	120250061	120300061	120350061	120400061	120450061	120520061	120580061	120650061	120750061	120850061	121000061	121200061

Nome Mod.: aggiungere alla taglia dell'unità l'estensione "Versione" (Es.: GG12-H21)
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-H21)
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".