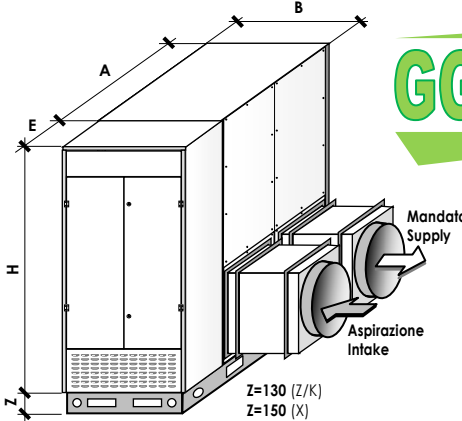


Generatore aria calda = Centrale Trattamento Aria autonoma con Modulo energetico
Air heater unit = Independent Air Handling Unit provided with Energy Module

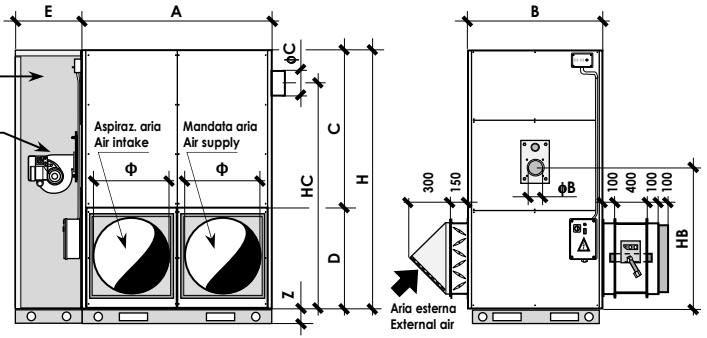
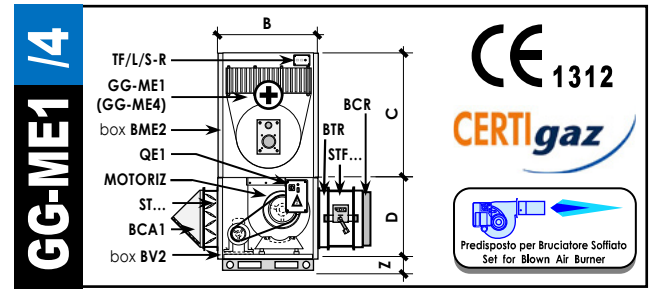
GG-SPORT



GG-S13,S14,S43,S44



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



Taglia - Size	GG (ME1/4)	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	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 - Heating capacity output	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	315	310	320	240	300	300	300	300	300	300	300	300	300
Livello sonoro - Sound level	dB(A)	63	63	63	63	60	60	62	63	66	64	65	69	71
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 0,4	1x 0,4	1x 0,4	1x 0,4	1x 0,8	1x 1,5	1x 1,5	1x 1,5	1x 2,2	1x 2,2	1x 3,0	1x 4,0	1x 5,5

Alimentazione elettrica - Power supply		230Vac-1Ph-50/60Hz						400Vac-3Ph+N-50/60Hz						
Dimensioni (Fornitura standard: GG12-S...200-S in unico pezzo; GG250-S...520-S in 2 sezioni separate) - Dimensions (Standard supplied: GG12-S...200-S in one piece; GG250-S...520-S in 2 separate sections)		Peso netto - Net weight		Dimensioni - Dimensions		Sezioni-Sections ME/MOTORIZ		Box bruciatore - Burner box		Flangia Bruciatore - Burner Flange		Scarica fumi - Smokes exhaust		
		127	130	150	155	158	176	180	286	295	530	543	798	813
		A x B x H		mm		C - D		mm-mm		HB x φB		HC x φC		
		800 x 550 x H.1400		900 x 650 x H.1500		1100 x 700 x H.1700		1400 x 1000 x H.1900		1600 x 1100 x H.2250		1800 x 1400 x H.2450		
		C=1.000 - D=400		C=1.040 - D=460		C=1.200 - D=500		C=1.300 - D=600		C=1.600 - D=650		C=1.700 - D=750		
		400		400		400		450		500		700		
		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		
		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		Diametro boccaglio - Nozzle diameter		Contropress. camera comb. - Counter pressure comb. chamber	
		min.85 - max.130	min.85 - max.130	90	90	16	18
		90	90	100	100	20	25
		130	130	130	130	30	35
		150	150	150	150	40	45

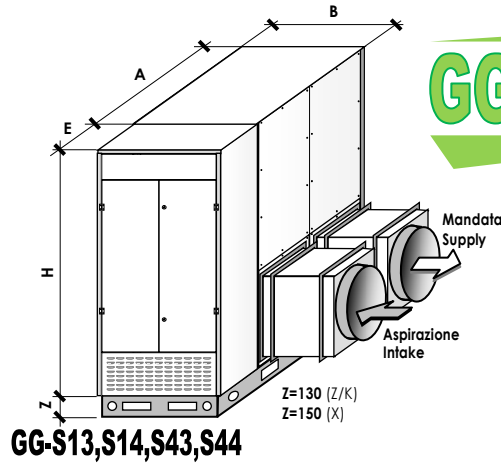
Sezioni e componenti - Sections and components															
BME2-K(1)	Box Modulo Ener. (doppio pan., preverniciato) Box Energy module (double panel, pre-painted)	Mod.	BME2-K00-V		BME2-K0-V		BME2-K1-V		BME2-K2-V		BME2-K3-V		BME2-K4-V		
BME2-KZ(2)	Box Modulo energ. (doppio pannello, zincato) Box Energy module (double panel, galvanized)	Mod.	BME2-KZ00-V		BME2-KZ0-V		BME2-KZ1-V		BME2-KZ2-V		BME2-KZ3-V		BME2-KZ4-V		
GG-ME1(3)	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
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
BV2-P(5)	Box sezione Ventilante (solo cassa preverniciata) Box Ventilating section (pre-painted casing only)	Mod.	BV2-P00-V		BV2-P0-V		BV2-P1-V		BV2-P2-V		BV2-P3-V		BV2-P4-V		
BV2-Z(6)	Box sezione Ventilante (solo cassa zincata) Box Ventilating section (galvanized casing only)	Mod.	BV2-Z00-V		BV2-Z0-V		BV2-Z1-V		BV2-Z2-V		BV2-Z3-V		BV2-Z4-V		
MOTORIZ(7)	Motorizzazione (Motore+Ventilatore) Motorization (Motor+Fan)	n° X Mod.	1x DE1	1x DE1	1x DE1	1x DE1	1x DE2	1x L3-1.5n1501	1x L3-1.5n1501	1x L5-1.5n1330	1x L5-2.2n1353	1x L9-2.2n954	1x L9-3.0n983	1x L9-4.0n980	1x L10-5.5n817
QE1(8)	Quadro elettrico Electric board	Mod.	1x QM-M010		1x QM-M010		1x QE1-1.5	1x QE1-1.5	1x QE1-1.5	1x QE1-2.2	1x QE1-2.2	1x QE1-3.0	1x QE1-4.0	1x QE1-5.5	
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		
BBR2-P(10)	Box Bruciatore (preverniciato) Box Burner (pre-painted)	Mod.	BBR2-P00-V		BBR2-P0-V		BBR2-P1-V		BBR2-P2-V		BBR2-P3-V		BBR2-P4-V		
BBR2-Z(11)	Box Bruciatore (zincato) Box Burner (galvanized)	Mod.	BBR2-Z00-V		BBR2-Z0-V		BBR2-Z1-V		BBR2-Z2-V		BBR2-Z3-V		BBR2-Z4-V		
ST...(12)	Serranda di reg./Aratura aria esterna Reg./adjustment external air louver	Mod.	1x ST.200x210		1x ST.300x210		1x ST.300x310		1x ST.400x410		1x ST.500x510		1x ST.700x710		
STF...(13)	Serranda Tagliafuoco REI180 Fire Damper REI180	Mod.	2x STF.250x250		2x STF.300x300		2x STF.350x300		2x STF.450x450		2x STF.550x550		2x STF.700x700		
BCA1(14)	Cuffia aspiraz. aria esterna con rete e filtro Ext. air intake casing with net and air filter	Mod.	1x BCA1-Z(P)00		1x BCA1-Z(P)0		1x BCA1-Z(P)1		1x BCA1-Z(P)2		1x BCA1-Z(P)3		1x BCA1-Z(P)4		
									1x 91.00		1x 123.00		1x 195.00		
BTR(15)	Tronchetto condotto aria di prolunga Air duct extension	Mod.					2x BTR-Z1_Q370x50		2x BTR-Z2_Q470x100		2x BTR-Z3_Q570x150		2x BTR-Z4_Q720x210		
BCR(16)	Convogliatore con Attacco circolare Conveyer with circular spigot	Mod.	2x BCR-Z00_φ250		2x BCR-Z0_φ300		2x BCR-Z1_φ350		2x BCR-Z2_φ450		2x BCR-Z3_φ550		2x BCR-Z4_φ700		

ME1	S13	GG-SPORT preverniciato/pre-painted (1+3+5+7+8+9+10+12+13+14+15+16)	Cod.	120012038	120015038	120020038	120025038	120029038	120030038	120040038	120060038	120080038	120110038	120130038	120160038	120200038
	S14	GG-SPORT zincato/galvanized (2+3+6+7+8+9+11+12+13+14+15+16)	Cod.	120012039	120015039	120020039	120025039	120029039	120030039	120040039	120060039	120080039	120110039	120130039	120160039	120200039
	S43	GG-SPORT preverniciato/pre-painted (1+4+5+7+8+9+10+12+13+14+15+16)	Cod.	120012040	120015040	120020040	120025040	120029040	120030040	120040040	120060040	120080040	120110040	120130040	120160040	120200040
	S44	GG-SPORT zincato/galvanized (2+4+6+7+8+9+11+12+13+14+15+16)	Cod.	120012041	120015041	120020041	120025041	120029041	120030041	120040041	120060041	120080041	120110041	120130041	120160041	120200041

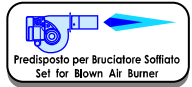
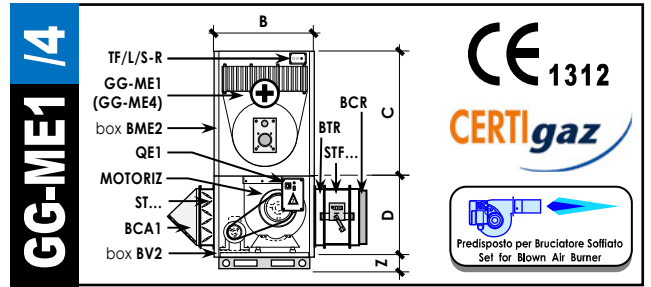
Nome Mod.: aggiungere alla taglia dell'unità l'estensione "Versione" (Es.: GG12-S13)
Tutte le versioni con: Motorizzazione indicata, Quadro elettrico e termostati inclusi, Bocche aspirazione/mandata libere, NO bruciatore.
Per riferimenti, chiarimenti e dati completi sulle prestazioni contattare il costruttore + vedi paragrafo "Tab Regolamento UE-2016-2281".

Model Name: add to the size of unit the "Version" extension (Ex.: GG12-S13)
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-SPORT



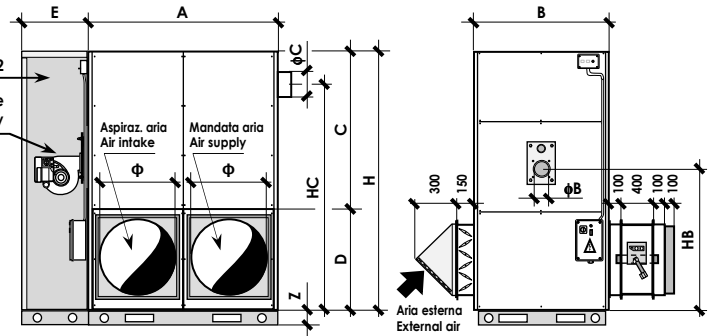
GG-S13,S14,S43,S44

ECODESIGN



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

Bruciatore: accessorio addizionale
Burner: additional accessory



Taglia - Size		GG (ME1/4)	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	Nom=Max kW		290	348	407	465	522	603						
Pot. termica utile - Heating capacity output	Max kW		263,3	316,3	370,4	423,6	474,5	547,5						
Pot. termica - Thermal input (Bruciato-Burnt)	Min kW		116,0	139,2	162,8	186,0	208,8	241,2						
Pot. termica utile - Heating capacity output	Min kW		118,3	142,0	166,2	190,3	213,0	246,0						
Rendimento termico	Max % (η _{max} @ 40%Pn)		102,0	102,0	102,1	102,3	102,0	102,0						
Thermal efficiency (Hi)	Min % (Nom., η _{nom} , @ 100%Pn)		90,8	90,9	91,0	91,1	90,9	90,8	Non disponibile Not available		Non disponibile Not available		Non disponibile Not available	
Portata aria - Air flow	m ³ /h		16.500	20.000	24.000	27.800	30.000	34.000						
Pressione statica utile - Static pressure	Pa		300	300	300	300	300	300						
Livello sonoro - Sound level	dB(A)		72	66	66	68	67	68						
ΔT aria uscita-ingresso - Air supply-intake ΔT (@ 100%Pn)	°C		48	48	47	46	48	49						
Motore elettrico - Electrical motor	kW(out)		1x 7,5	1x 7,5	1x 9,0	1x 11	1x 11	1x 15						
Alimentazione elettrica - Power supply			400Vac-3Ph+N-50/60Hz											
Dimensioni (Fornitura standard: GG12-S...200-S in unico pezzo; GG250-S...520-S in 2 sezioni separate) - Dimensions (Standard supplied: GG12-S...200-S in one piece; GG250-S...520-S in 2 separate sections)														
Peso netto - Net weight	kg		1.010	1.040	1.190	1.220	1.340	1.370						
Dimensioni - Dimensions	A x B x H mm		2300 x 1500 x H.2950		2400 x 1500 x H.3150		2600 x 1500 x H.3300							
Sezioni-Sections ME/MOTORIZ	C - D mm-mm		C=2.000 - D=950		C=2.100 - D=1.050		C=2.200 - D=1.100		Non disponibile Not available		Non disponibile Not available		Non disponibile Not available	
Box bruciatore - Burner box	E mm		800		800		900							
Flangia Bruciatore - Burner Flange	HB x φB mmxmm		HB.1455 x φB.180		HB.1535 x φB.200		HB.1650 x φB.200/220							
Scarico fumi - Smokes exhaust	HC x φC mmxmm		HC.2305 x φC.250		HC.2380 x φC.300		HC.2660 x φC.300							
Scelta del bruciatore - Burner selection														
Lunghezza boccaglio - Nozzle length	MIN-MAX mm		min.110 - max.340		min.120 - max.310		min.120 - max.310		Non disponibile Not available		Non disponibile Not available		Non disponibile Not available	
Diametro boccaglio - Nozzle diameter	MAX mm		170		190		210							
Contropress. camera comb. - Counter pressure comb. chamber	Pa		55		65		75							
Sezioni e componenti - Sections and components														
BME2-K(1)	Box Modulo Energ. (doppio pan., preverniciata) Box Energy module (double panel, pre-painted)	Mod.		BME2-K5-V		BME2-K6-V		BME2-K7-V						
BME2-KZ(2)	Box Modulo energ. (doppio pannello, zincata) Box Energy module (double panel, galvanized)	Mod.		BME2-KZ5-V		BME2-KZ6-V		BME2-KZ7-V						
GG-ME1(3)	Camera AISI 430 + Scambiatore Alluminato Chamber AISI 430 + Exchanger Aluminates	Mod.		GG250-ME1 GG300-ME1		GG350-ME1 GG400-ME1		GG450-ME1 GG520-ME1						
GG-ME4(4)	Camera + Scambiatore Full AISI441 Chamber + Exchanger Full AISI441	Mod.		GG250-ME4 GG300-ME4		GG350-ME4 GG400-ME4		GG450-ME4 GG520-ME4						
BV2-P(5)	Box sezione Ventilante (solo cassa preverniciata) Box Ventilating section (pre-painted casing only)	Mod.		BV2-P5-V		BV2-P6-V		BV2-P7-V						
BV2-Z(6)	Box sezione Ventilante (solo cassa zincata) Box Ventilating section (galvanized casing only)	Mod.		BV2-Z5-V		BV2-Z6-V		BV2-Z7-V						
MOTORIZ(7)	Motorizzazione (Motore+Ventilatore) Motorization (Motor+Fan)	n° X Mod.		1xL11-7.5n80 1xM11-7.5n80		1xM12-9.0n649 1xM12-11n730		1xM13-11n584 1xM13-15n582						
QE1(8)	Quadro elettrico Electric board	Mod.		1x QE1-7.5 1x QE1-7.5		1x QE1-9 1x QE1-11		1x QE1-11 1x QE1-15		Non disponibile Not available		Non disponibile Not available		Non disponibile Not available
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						
BBR2-P(10)	Box Bruciatore (preverniciato) Box Burner (pre-painted)	Mod.		BBR2-P5-V		BBR2-P6-V		BBR2-P7-V						
BBR2-Z(11)	Box Bruciatore (zincato) Box Burner (galvanized)	Mod.		BBR2-Z5-V		BBR2-Z6-V		BBR2-Z7-V						
ST...(12)	Serranda di reg./taratura aria esterna Reg./adjustment external air louver	Mod.		1x ST.800x810		1x ST.800x810		1x ST.800x810						
STF...(13)	Serranda Tagliafuoco REI180 Fire Damper REI180	Mod.		2x STF.800x800		2x STF.800x800		2x STF.800x800						
BCA1(14)	Cuffia aspiraz. aria esterna con rete e filtro Ext. air intake casing with net and air filter	Mod.		1x BCA1-Z(P)5		1x BCA1-Z(P)6		1x BCA1-Z(P)7						
BTR(15)	Tronchetto condotto aria di prolunga Air duct extension	Mod.		2x BTR-Z5_Q820x260		2x BTR-Z6_Q820x260		2x BTR-Z7_Q820x260						
BCR(16)	Convogliatore con Attacco circolare Conveyer with circular spigot	Mod.		2x BCR-Z5_φ800		2x BCR-Z6_φ800		2x BCR-Z7_φ800						
ME1	S13 GG-SPORT preverniciato/pre-painted (1+3+5+7+8+9+10+12+13+14+15+16)	Cod.	120250038	120300038	120350038	120400038	120450038	120520038						
	S14 GG-SPORT zincato/galvanized (2+3+6+7+8+9+11+12+13+14+15+16)	Cod.	120250039	120300039	120350039	120400039	120450039	120520039						
ME4	S43 GG-SPORT preverniciato/pre-painted (1+4+5+7+8+9+10+12+13+14+15+16)	Cod.	120250040	120300040	120350040	120400040	120450040	120520040						
	S44 GG-SPORT zincato/galvanized (2+4+6+7+8+9+11+12+13+14+15+16)	Cod.	120250041	120300041	120350041	120400041	120450041	120520041						

Nome Mod.: aggiungere alla taglia dell'unità l'estensione "Versione" (Es.: GG12-S13)
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-S13)
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".