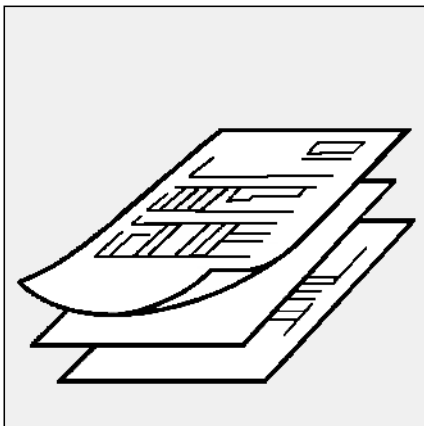




C120, C160, C210 B517/8

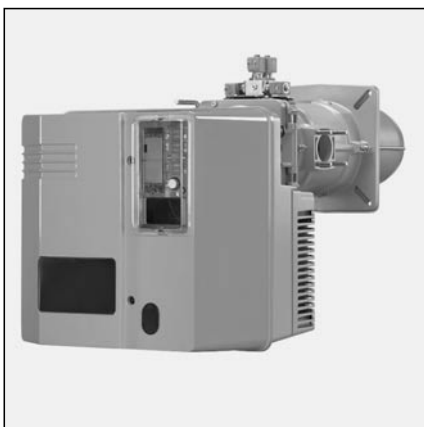


Données techniques
Brûleurs bicomcombustibles4-10

FR

Dati tecnici
Bruciatori misti di gas / gasolio4-10

IT



Datos técnicos
Quemadores bicomcombustible4-10

ES

Technical data
Dual fuel burners4-10

EN

Technische Daten
Zweistoffbrenner4-10

DE



Pièces de rechange
Pezzi di ricambio
Piezas de recambio
Spare parts list
Ersatzteilliste



Schémas électrique et hydraulique
Schemi elettrico e idraulico
Esquema eléctrico y hidráulico
Electric and hydraulic diagrams
Elektro- und Hydraulikschema



Principaux composants / Caractéristiques d'utilisation

Componenti principali / Caratteristiche d'impiego

Componentes principales / Características de utilización

Main components / Characteristics of use


Wichtigste Komponenten / Betriebsdaten

Principaux composants

- Coffret de commande et sécurité :
LFL 1.333
- Détecteur de flamme :
Cellule UV QRA2
- Moteur de ventilation :
230/400V-50Hz 2850min⁻¹
C120, C160 2,2kW
C210 2,7kW
- Contacteur moteur :
400 V LC 1K
- Relais thermique/moteur ventilation :
400 V LR 2K 5,5 / 8,0 A
- Turbine du ventilateur :
C 120, C160 Ø 240 x 114 d24
C 210 Ø 250 x 114 d24
- Transformateur d'allumage :
2 x 7,5kV
- Commande du volet d'air :
Servomoteur SQM 50 481A2 34s
- Pressostat d'air :
LGW 3 A2
- Groupe motopompe fuel :
Moteur : 230V-50Hz,
0,45 kW 2850min⁻¹
Condensateur : 12µF 400V
Rotation du moteur :
Sens horaire inverse depuis Ø 32
Pompe : AJ6 CC 1004 3P
290 l/h à p 0bar
gavage pmax 2bar

Caractéristiques d'utilisation

- Température ambiante :
- d'utilisation : - 5 ... 40° C
 - de stockage : - 20 ... 70° C
- Tension / Fréquence :
- circuit commande
230VAC -15...+10% - 50 Hz ±1% monophasé
 - circuit puissance
400VAC -15...+10% - 50 Hz ±1% triphasé
- Degré de protection :
- IP 43 ou 54 selon équipement.


 Dans le cas d'une alimentation électrique sans neutre à la terre, installer un transformateur d'isolement de 3 A/1000 VA.

Componenti principali

- Programmatore di comando :
LFL 1.333
- Rilevatore di fiamma :
Cellula UV QRA2
- Motore di ventilazione :
230/400V-50Hz 2850min⁻¹
C120, C160 2,2kW
C210 2,7kW
- Contattore motore :
400 V LC 1K
- Relè termico/motore ventilazione :
400 V LR 2K 5,5/8,0A
- Turbina del ventilatore :
C120, C160 Ø 240 x 114 d24
C210 Ø 250 x 114 d24
- Trasformatore d'accensione :
2 x 7,5kV
- Comando della serranda aria:
Servomotore SQM 50 481A2 34s
- Pressostato aria:
LGW 3 A2
- Gruppo motopompa gasolio :
Motore : 230V-50Hz,
0,45kW 2850min⁻¹
Condensatore : 12µF 400V
Rotazione del motore:
In senso antiorario dal Ø 32
Pompa: AJ6 CC 1004 3P
290 l/h à p 0bar
alimentazione pmax 2bar

Caratteristiche d'impiego

- Temperatura ambiente :
- d'utilizzazione: - 5 ... 40° C
 - di stoccaggio: - 20 ... 70° C
- Tensione / Frequenza :
- circuito comando
230 VAC -15...+10% - 50 Hz ±1% monofase.
 - circuito potenza
400 VAC -15...+10% - 50 Hz ±1% trifase.
- Grado di protezione :
- IP 43 o 54 secondo dotazione.


 In caso di alimentazione elettrica senza neutro collegato a terra, installare un trasformatore d'isolamento di 3 A/1000 VA.

Componentes principales

- Cajetín de control y seguridad :
LFL 1.333
- Detector de llama :
Célula UV QRA2
- Motor de ventilación :
230/400 V - 50Hz 2850 min⁻¹
C120, C160 2,2 kW
C210 2,7 kW
- Contactor motor :
400 V LC 1K
- Relé térmico/motor ventilación:
400 V LR 2K 5,5 / 8,0 A
- Turbina del ventilador :
C 120, C160 Ø 240 x 114 d24
C 210 Ø 250 x 114 d24
- Transformador de encendido :
2 x 7,5 kV
- Control trampilla de aire :
Servomotor SQM 50 481A2 34s
- Presostato de aire :
LGW 3 A2
- Grupo motobomba gasóleo :
Motor : 230V, 50Hz,
0,45 kW 2850 min⁻¹
Condensador : 12 µF 400V
Giro del motor :
Sentido contrario al de las agujas del reloj desde Ø 32
Bomba : AJ6 CC 1004 3P
290 l/h a p 0bar
cebado pmax 2 bar

Características de utilización

- Temperatura ambiente :
- de utilización :
- 5 ... 40° C
 - de almacenamiento :
- 20... 70° C
- Tensión eléctrica / Frecuencia :
- circuito control
230 VAC -15...+10%
- 50 Hz ±1% monofásico
 - circuito potencia
400 VAC -15...+10%
- 50 Hz ±1% trifásico
- Grado de protección :
- IP 43 ó 54 según equipos.


 En caso de alimentación eléctrica sin neutro a tierra instalar un transformador de aislamiento de 3 A/1000 VA.

Main components

- Control and safety unit :
LFL 1.333
- Flame detector :
Cell UV QRA2
- Fan motor :
230/400V-50Hz, 2850min⁻¹
C120, C160 2,2kW
C210 2,7kW
- Protection device / motor :
400V LC 1K
- Thermal relay / motor :
400V LR 2K 5,5/8,0A
- Fan turbine :
C 120, C160 Ø240 x 114 d24
C 210 Ø250 x 114 d24
- Ignition transformer :
2 x 7.5kV
- Air flap control :
Servomotor SQM 50 481A2 34s
- Air pressure switch :
LGW 3 A2
- Motor-driven fuel oil pump :
Motor : 230V-50Hz,
0,45kW 2850min⁻¹
Capacitor : 12µF 400V
Rotation of motor :
Anti-clockwise from Ø32
Pump : AJ6 CC 1004 3P
290 l/h at p 0bar
max boost pressure 2bar

Characteristics of use

- Ambient temperature :
- for use: - 5 ... 40° C
 - for storage: - 20 ... 70° C
- Voltage / Frequency :
- control circuit
230 VAC -15...+10% - 50 Hz ±1%
single-phase
 - power circuit
400 VAC -15...+10% - 50 Hz ±1%
triphase
- Protection level :
- IP 43 or 54 according to equipment.


 With an electrical power supply without an earthed neutral, install a 3 A/1000 VA isolation transformer

Wichtigste Komponenten

- Feuerungsautomat :
LFL 1.333
- Flammenüberwachung :
Photozelle UV QRA2
- Gebläsemotor :
230/400V-50Hz 2850min⁻¹
C120, C160 2,2kW
C210 2,7kW
- Motorschutz :
400V LC 1K
- Überstromrelais Gebläsemotor :
400V LR 2K 5,5/8,0A
- Lüfterrad :
C 120, C160 Ø 240 x 114 d24
C 210 Ø 250 x 114 d24
- Zündtrafo :
2 x 7,5kV
- Luftklappensteuerung :
Stellmotor SQM 50 481A2 34s
- Luftdruckwächter :
LGW 3 A2
- Heizölpumpenaggregat :
Motor : 230V-50Hz,
0,45kW 2850min⁻¹
Kondensator : 12µF 400V
Motordrehung :
Gegenuhrzeigersinn ab Ø 32
Pumpe : AJ6 CC 1000 3P
290 l/h bei p 0bar
Aufladung pmax 2bar

Betriebsdaten

- Umgebungstemperatur :
- Betriebstemperatur : - 5...
40° C
 - Lagerungstemperatur : - 20... 70° C
- Spannung/Frequenz :
- Steuerkreis
230 VAC -15...+10% - 50 Hz
±1% einphasig
 - Leistungskreis
400 VAC -15...+10% - 50 Hz
±1% dreiphasig
- Schutzart :
- IP 43 bzw. 54 je nach
Ausrüstung

 Bei einer Stromversorgung ohne geerdeten Nullleiter einen Isoliertrafo mit 3 A/1000 VA installieren.

Courbes de puissance

Curve di potenza

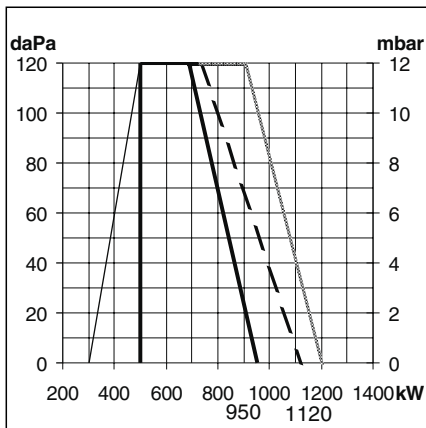
Diagramas de potencia

Power graphs

Arbeitsfelder

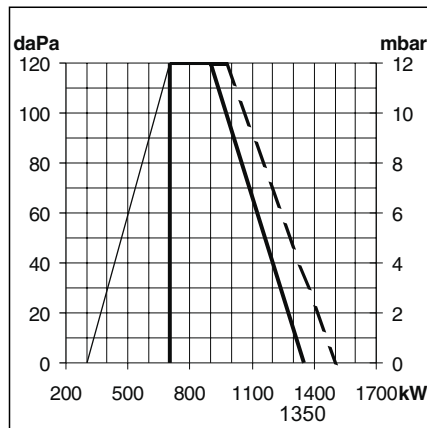
C120

G20 P20 MBVEF420FP —
 P20 VGD DN50 - -
 P20 VGD DN65 —



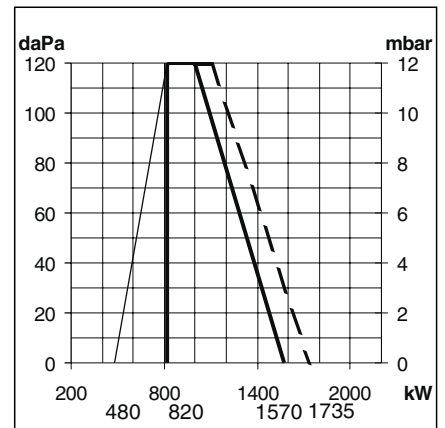
C160

G20 P20 VGD DN65 —
 P20 VGD DN80 - -

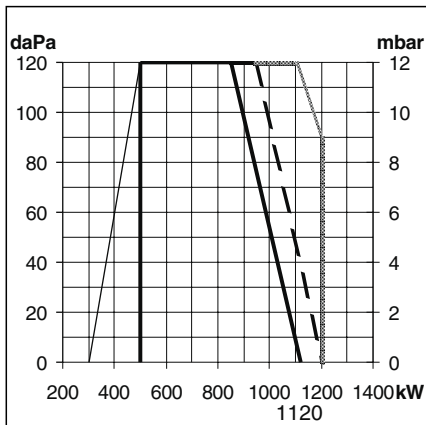


C210

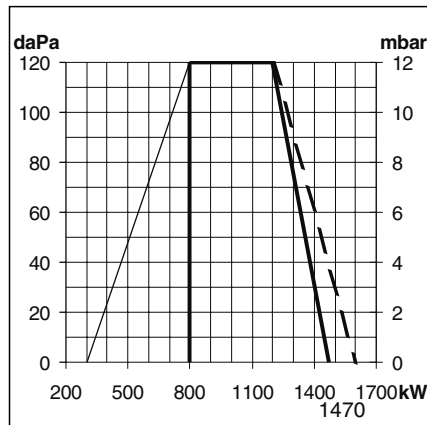
G20 P20 VGD DN65 —
 P20 VGD DN80 - -



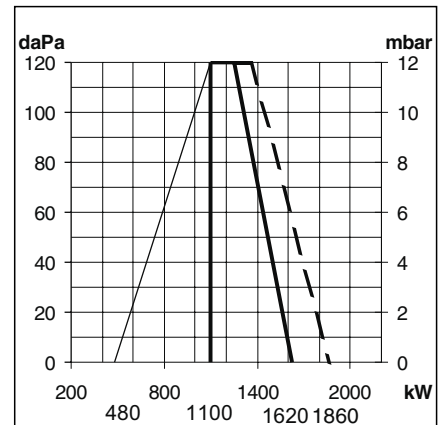
G20 P25 MBVEF 420 FP —
 P25 VGD DN50 - -
 P25 VGD DN65 —



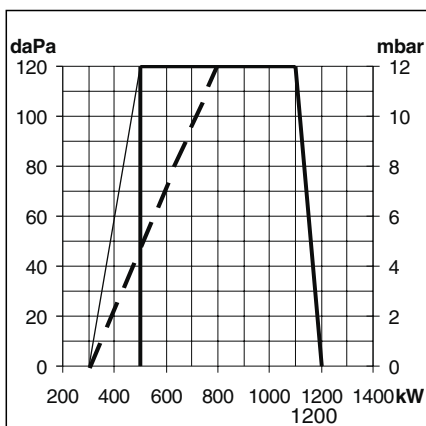
G20 P25 VGD DN65 —
 P25 VGD DN80 - -



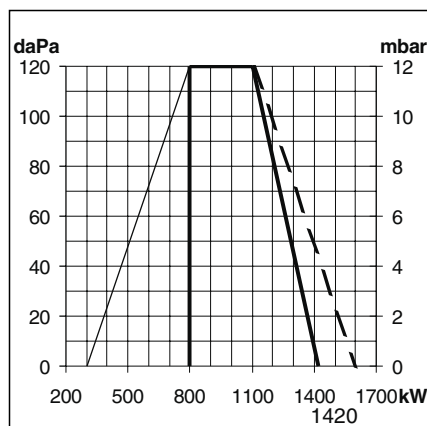
G20 P25 VGD DN65 —
 P25 VGD DN80 - -



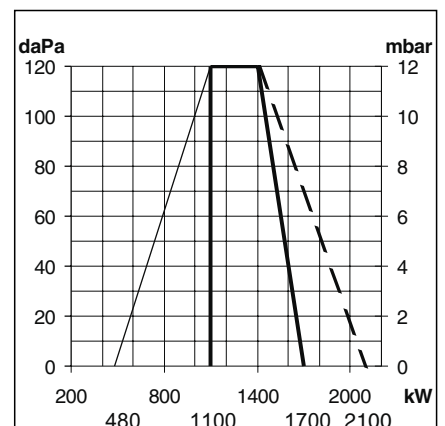
G20 P40/50 MBVEF 420FP —
 P100/150/300 MBVEF 412 - -



G20 P40 MBVEF 420FP —
 P40 VD DN65 —
 P50/100/150 MBVEF 420FP } - -
 P300 MBVEF 412 }



G20 P40 VGD DN50 —
 P40 VD DN65 —
 P50 MBVEF 425 } - -
 P100/150 MBVEF 420 }
 P300 MBVEF 412 }



Courbes de puissance

Curve di potenza

Diagramas de potencia

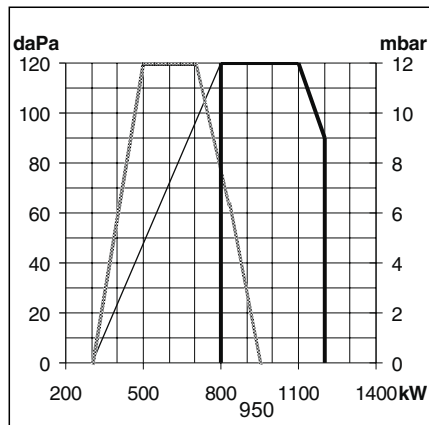
Power graphs

Arbeitsfelder

C120

G25 p25
p300

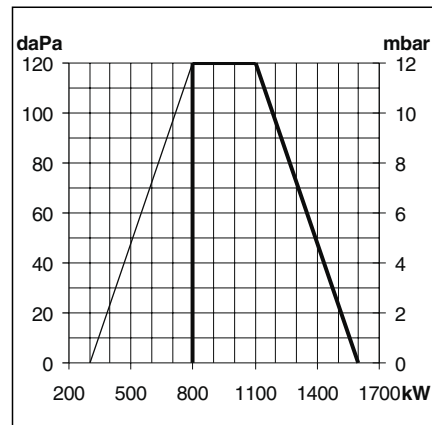
MBVEF 420 FP
MBVEF412



C160

G25 p300

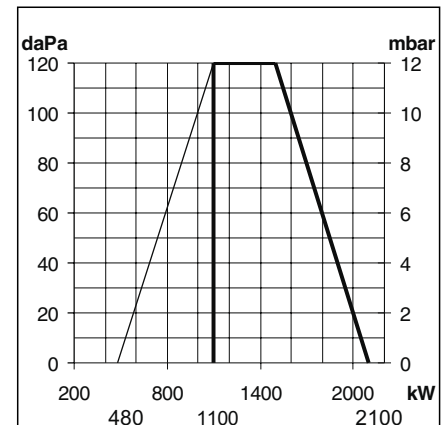
MBVEF 412



C210

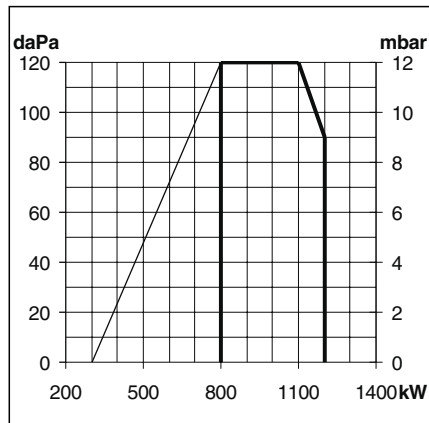
G25 p300

MBVEF 412



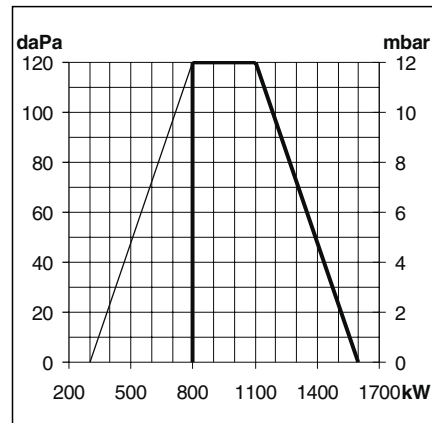
G31 p37
p148

MBVEF 420 FP
MBVEF 412



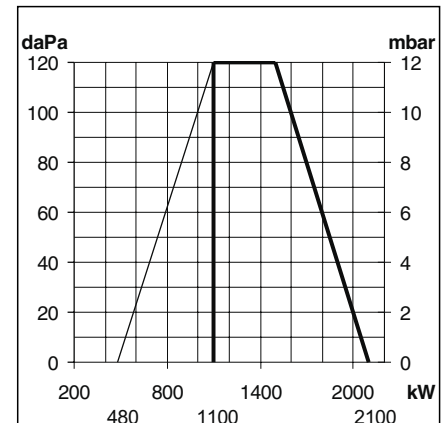
G31 p37
p148

MBVEF 420 FP
MBVEF 412



G31 p37
p148

MBVEF 420 FP
MBVEF 412



Type Tipo Tipo Type Art	Groupe Gruppo Grupo Group Gruppe	Pression de distribution Pressione di distribuzione Presión de distribución Distribution pressure Eingangsdruk			Hi à 0°C et 1013 mbar Hi a 0°C e 1013 mbar Hi à 0° C y 1013 mbar Hi at 0°C and 1013 mbar Hi bei 0°C und 1013mbar		Gaz Gas Gas Gas Gas
		Pn mbar	Pmin mbar	Pmax mbar	min (kWh/m ³)	max (kWh/m ³)	
Gaz H Gas H	2H	20 25 40 50 100 300	17 20 32 42,5 80 240	25 30 48 57,5 120 360	9,5	11,5	G20
Gaz L Gas L	2L	25 300	20 240	30 360	8,5	9,5	G25
Gaz P Gas P	3P	37 148	25 120	45 180	24,5	26,5	G31

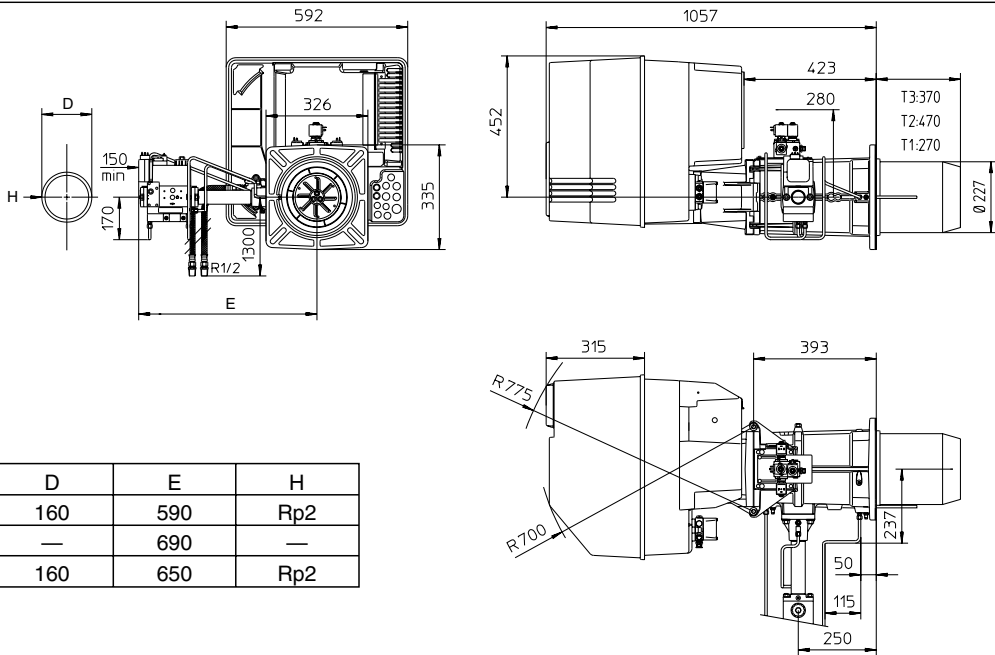
Puissance	C120 B 517/8				C160 B 517/8					
	min	20/25 mbar max	40/50 100/300 mbar max	37/148 mbar max	min	G20 p20 mbar max	G20 p25 mbar max	G20 p40 mbar max	50/100 150/300 mbar max	37/148 mbar max
Brûleur (kW)	500...800	950...1200	1200	1200	700...800	1350...1500	1470...1500	1420	1600	1600
Min. allumage (kW)	300	—	—	—	300	—	—	—	—	—
Générateur (kW)	460...736	874...1104	1104	1104	644...736	1242...1380	1352...1380	1306	1472	1472
Débit nominal réel de gaz à 15°C et 1013 mbar										
Naturel groupe H H _i =9,45 (m ³ /h) (kWh/m ³)	85	101...127	127	—	85	143...159	156...159	150	169	—
Naturel groupe L H _i =8,13 (m ³ /h) (kWh/m ³)	98	117...148	—	—	98	—	—	—	197	—
Propane P H _i =24,44 (m ³ /h) (kWh/m ³)	33	—	—	49	33	—	—	—	—	65
Masse volumique kg/m ³ = 1,98										
Bruciatore (kW)	500...800	950...1200	1200	1200	700...800	1350...1500	1470...1500	1420	1600	1600
Min. accensione (kW)	300	—	—	—	300	—	—	—	—	—
Generatore (kW)	460...736	874...1104	1104	1104	644...736	1242...1380	1352...1380	1306	1472	1472
Portata nominale eff. di gas a 15°C e 1013 mbar										
Naturale gruppo H H _i =9,45 (m ³ /h) (kWh/m ³)	85	101...127	127	—	85	143...159	156...159	150	169	—
Naturale gruppo L H _i =8,13 (m ³ /h) (kWh/m ³)	98	117...148	—	—	98	—	—	—	197	—
Propano P H _i =24,44 (m ³ /h) (kWh/m ³)	33	—	—	49	33	—	—	—	—	65
Massa volumica kg/m ³ = 1,98										
Quemador (kW)	500...800	950...1200	1200	1200	700...800	1350...1500	1470...1500	1420	1600	1600
Min. encendido (kW)	300	—	—	—	300	—	—	—	—	—
Generador (kW)	460...736	874...1104	1104	1104	644...736	1242...1380	1352...1380	1306	1472	1472
Caudal nominal real de gas a 15°C y 1013 mbar										
Natural grupo H H _i =9,45 (m ³ /h) (kWh/m ³)	85	101...127	127	—	85	143...159	156...159	150	169	—
Natural grupo L H _i =8,13 (m ³ /h) (kWh/m ³)	98	117...148	—	—	98	—	—	—	197	—
Propano P H _i =24,44 (m ³ /h) (kWh/m ³)	33	—	—	49	33	—	—	—	—	65
Densidad kg/m ³ = 1,98										
Burner (kW)	500...800	950...1200	1200	1200	700...800	1350...1500	1470...1500	1420	1600	1600
Min. ignition (kW)	300	—	—	—	300	—	—	—	—	—
Generator (kW)	460...736	874...1104	1104	1104	644...736	1242...1380	1352...1380	1306	1472	1472
Actual gas flow rate at 15°C and 1013 mbar										
Natural group H H _i =9,45 (m ³ /h) (kWh/m ³)	85	101...127	127	—	85	143...159	156...159	150	169	—
Natural group L H _i =8,13 (m ³ /h) (kWh/m ³)	98	117...148	—	—	98	—	—	—	197	—
Propane P H _i =24,44 (m ³ /h) (kWh/m ³)	33	—	—	49	33	—	—	—	—	65
Voluminal mass kg/m ³ = 1,98										
Brenner (kW)	500...800	950...1200	1200	1200	700...800	1350...1500	1470...1500	1420	1600	1600
Min. Zündleistung (kW)	300	—	—	—	300	—	—	—	—	—
Kessel (kW)	460...736	874...1104	1104	1104	644...736	1242...1380	1352...1380	1306	1472	1472
Effektiver Gasdurchsatz bei 15°C und 1013 mbar										
Erdgas Gruppe H H _i =9,45 (m ³ /h) (kWh/m ³)	61	101...127	127	—	85	143...159	156...159	150	169	—
Erdgas Gruppe L H _i =8,13 (m ³ /h) (kWh/m ³)	98	117...148	—	—	98	—	—	—	197	—
Flüssiggas P H _i =24,44 (m ³ /h) (kWh/m ³)	33	—	—	49	33	—	—	—	—	65
Dichte kg/m ³ = 1,98										

Puissance	C210 B517/8					
	min	G20 p20 mbar max	G20 p25 mbar max	G20 p40 mbar max	50/100 150/300 mbar max	37/148 mbar max
Brûleur (kW)	820...1100	1570...1735	1620...1860	1700...2100	2100	2100
Min. allumage (kW)	480	—	—	—	—	—
Générateur (kW)	754...1012	1444...1596	1490...1711	1564...1932	1932	1932
Débit nominal réel de gaz à 15°C et 1013 mbar						
Naturel groupe H H _i = 9,45	m ³ /h 116	m ³ /h 166...184	m ³ /h —	m ³ /h 180...222	m ³ /h 222	m ³ /h —
(kWh/m ³)						
Naturel groupe L H _i = 8,13	m ³ /h 135	m ³ /h —	m ³ /h 199...229	m ³ /h —	m ³ /h 258	m ³ /h —
(kWh/m ³)						
Propane P H _i = 24,44	m ³ /h 45	m ³ /h —	m ³ /h —	m ³ /h —	m ³ /h —	m ³ /h 86
(kWh/m ³)						
Masse volumique kg/m ³ = 1,98						
Bruciatore (kW)	820...1100	1570...1735	1620...1860	1700...2100	2100	2100
Min. accensione (kW)	480	—	—	—	—	—
Generatore (kW)	754...1012	1444...1596	1490...1711	1564...1932	1932	1932
Portata nominale eff. di gas a 15°C e 1013 mbar						
Naturale gruppo H H _i = 9,45	m ³ /h 116	m ³ /h 166...184	m ³ /h —	m ³ /h 180...222	m ³ /h 222	m ³ /h —
(kWh/m ³)						
Naturale gruppo L H _i = 8,13	m ³ /h 135	m ³ /h —	m ³ /h 199...229	m ³ /h —	m ³ /h 258	m ³ /h —
(kWh/m ³)						
Propano P H _i = 24,44	m ³ /h 45	m ³ /h —	m ³ /h —	m ³ /h —	m ³ /h —	m ³ /h 86
(kWh/m ³)						
Massa volumica kg/m ³ = 1,98						
Quemador (kW)	820...1100	1570...1735	1620...1860	1700...2100	2100	2100
Min. encendido (kW)	480	—	—	—	—	—
Generador (kW)	754...1012	1444...1596	1490...1711	1564...1932	1932	1932
Caudal nominal real de gas a 15°C y 1013 mbar						
Naturel groupe H H _i = 9,45	m ³ /h 116	m ³ /h 166...184	m ³ /h —	m ³ /h 180...222	m ³ /h 222	m ³ /h —
(kWh/m ³)						
Naturel groupe L H _i = 8,13	m ³ /h 135	m ³ /h —	m ³ /h 199...229	m ³ /h —	m ³ /h 258	m ³ /h —
(kWh/m ³)						
Propane P H _i = 24,44	m ³ /h 45	m ³ /h —	m ³ /h —	m ³ /h —	m ³ /h —	m ³ /h 86
(kWh/m ³)						
Densidad kg/m ³ = 1,98						
Burner (kW)	820...1100	1570...1735	1620...1860	1700...2100	2100	2100
Min. ignition (kW)	480	—	—	—	—	—
Generator (kW)	754...1012	1444...1596	1490...1711	1564...1932	1932	1932
Actual gas flow rate at 15°C and 1013 mbar						
Natural group H H _i = 9,45	m ³ /h 116	m ³ /h 166...184	m ³ /h —	m ³ /h 180...222	m ³ /h 222	m ³ /h —
(kWh/m ³)						
Natural group L H _i = 8,13	m ³ /h 135	m ³ /h —	m ³ /h 199...229	m ³ /h —	m ³ /h 258	m ³ /h —
(kWh/m ³)						
Propane P H _i = 24,44	m ³ /h 45	m ³ /h —	m ³ /h —	m ³ /h —	m ³ /h —	m ³ /h 86
(kWh/m ³)						
Voluminal mass kg/m ³ = 1,98						
Brenner (kW)	820...1100	1570...1735	1620...1860	1700...2100	2100	2100
Min. Zündleistung (kW)	480	—	—	—	—	—
Kessel (kW)	754...1012	1444...1596	1490...1711	1564...1932	1932	1932
Effektiver Gasdurchsatz bei 15°C und 1013 mbar						
Erdgas Gruppe H H _i = 9,45	m ³ /h 116	m ³ /h 166...184	m ³ /h —	m ³ /h 180...222	m ³ /h 222	m ³ /h —
(kWh/m ³)						
Erdgas Gruppe L H _i = 8,13	m ³ /h 135	m ³ /h —	m ³ /h 199...229	m ³ /h —	m ³ /h 258	m ³ /h —
(kWh/m ³)						
Flüssiggas P H _i = 24,44	m ³ /h 45	m ³ /h —	m ³ /h —	m ³ /h —	m ³ /h —	m ³ /h 86
(kWh/m ³)						
Dichte kg/m ³ = 1,98						

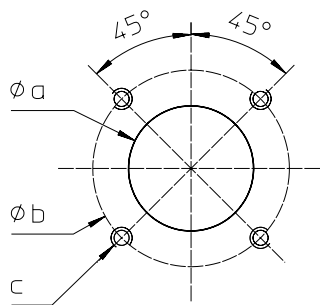
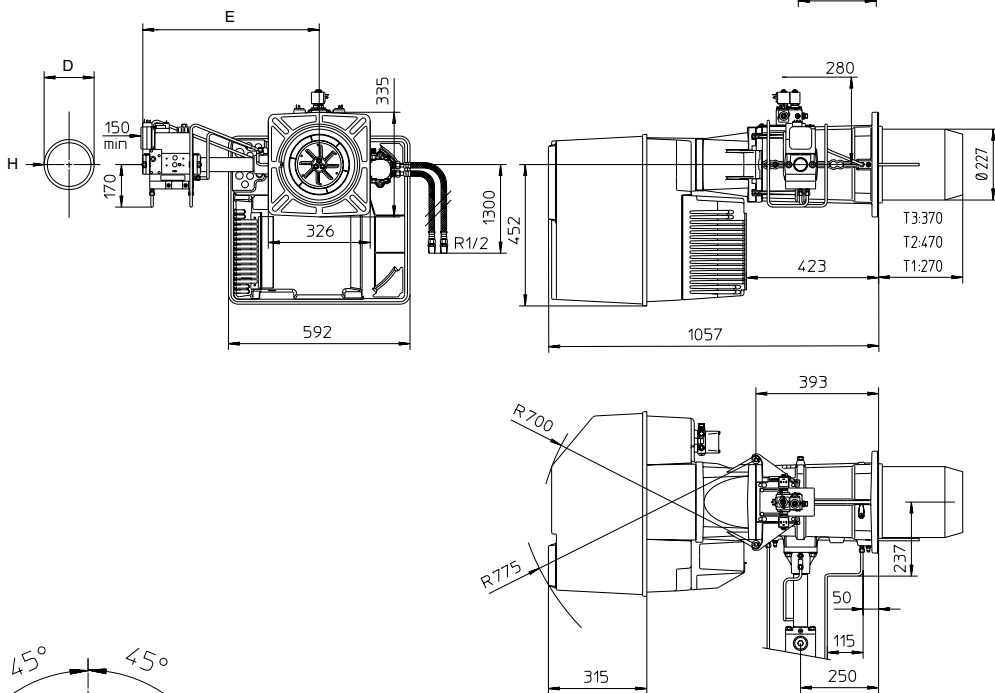
Composition de la rampe gaz
Composizione della rampa gas
Composición de la rampa de gas
Gas manifold composition
Zusammensetzung der Gasarmatur

Brûleur Bruciatore Quegador Burner Brenner	Gaz Gas Gas Gas Gas	P gaz P Gas P Gas P Gas P Gas	P max kW	Vanne Valvola Válvula Valve Ventil			Contrôleur étanchéité Controllore tenuta Control. estanqueidad Leakage test unit Dichtheitskontrol	Filtre Filtro Filtro Filter Filter			Pressostat Pressostato Presostato Press. Switch Druckwächter		
				MB VEF...	VGD...	Ø bride Ø brida Ø brida Ø flange Ø Flansch Rp		Intégré Incorp. Integrado Integrated Interner FI	extérieur externo external externer Rp	poche tasca bolsa pocket Taschen FP		GW....	
C 120	G20	20	950	420		2	VPS...			FP	150A5		
			1120		20.507	DN50			DN50		50A4		
		25	1200	420		2				FP	150A5		
					40.065	DN65			DN65		50A4		
		25	1200		40.065	DN50			DN50		50A4		
					40.065	DN65			DN65		50A4		
		40	1200	420		2				FP	150A5		
				420		2							
		100	1200	412		1¼				FI	2	500A5	
				412		1¼					2	500A5	
	150	1200	412		1¼				2	500A5			
			412		1¼								
	300	1200	412		1¼					500A5			
G25	25	950	420		2			FP	150A5				
		300	1200	412		1¼	FI	2	500A5				
G31	37	1200	420		2			FP	150A5				
			148	412		1¼	FI	2	500A5				
C160	G20	20	1350		40.065	DN65	504 S 02		DN65		50A4		
			40	1420	420				2		FP	150A5	
		25	1500	1470		40.065			DN65	DN65		50A4	
						40.080			DN80	DN80		50A4	
		25	1500	1470		40.080			DN80	DN80		50A4	
						20.507			DN50	DN50		50A4	
		50	1600	1470	420				2			FP	150A5
					100	1600			420		2		
		150	1600	1470	420				2				
					300	1600			412		1¼	FI	2
	G25	300	1600	412		1¼			FI	2	500A5		
	G31	37	1600	420		2				FP	150A5		
				148	412			1¼	FI	2	500A5		
C210	G20	20	1570		40.065	DN65	504 S 02		DN65		50A4		
			25	1620		40.065			DN65	DN65		50A4	
		40	1700	1735		20.507			DN50	DN50		50A4	
						40.080			DN80	DN80		50A4	
		25	1860	1735		40.080			DN80	DN80		50A4	
						40.065			DN65	DN65		50A4	
		40	2100	1860	425				2		2	150A5	
					100	2100			420		2		FP
		150	2100	1860	420				2			500A5	
					300	2100			412		1¼	2	500A5
	G25	300	2100	412		1¼			2	500A5			
	G31	37	2100	420		2				FP	150A5		
				148	412			1¼	2		150A5		

Encombrement Dimensions Dimensioni d'ingombro Dimensiones Medidas Space requirements and dimensions Maßbild und Abmessungen



	D	E	H
MBVEF 412	160	590	Rp2
MBVEF 420	—	690	—
MBVEF 425	160	650	Rp2



Ø a	Ø b	c
250	300 - 400	M12

En gras: Ø recommandé
in grassetto: Ø consigliato
En negrita: Ø recomendado
Highlighted: recommended Ø
empfohlener Ø fettgedruckt

Encombrement et dimensions

Respecter une distance libre minimum de 0,8 mètre de chaque côté du brûleur pour permettre les opérations de maintenance.

Ventilation chaufferie

Le volume d'air neuf requis est de 1,2 m³/kWh produit au brûleur.

Rampe gaz

S'implante uniquement à l'horizontale à droite ou à gauche

Dimensioni d'ingombro

Lasciare uno spazio libero minimo di 0,8 metri su ogni lato del bruciatore per consentire le operazioni di manutenzione.

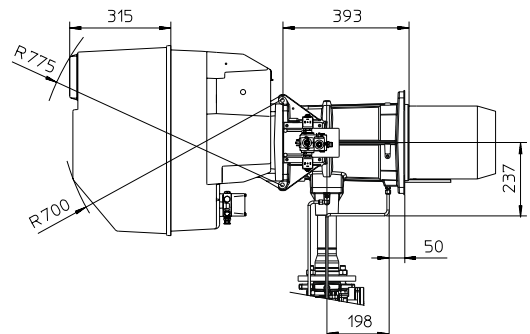
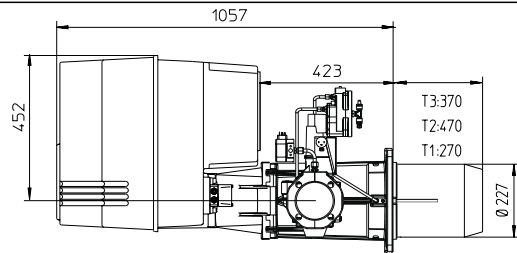
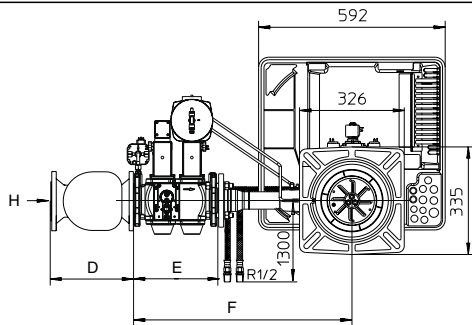
Ventilazione locale caldaia

La portata dell'aria di ricambio del locale deve essere almeno di 1,2 m³/kWh bruciato

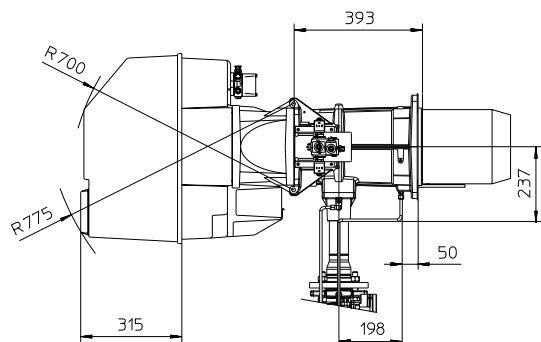
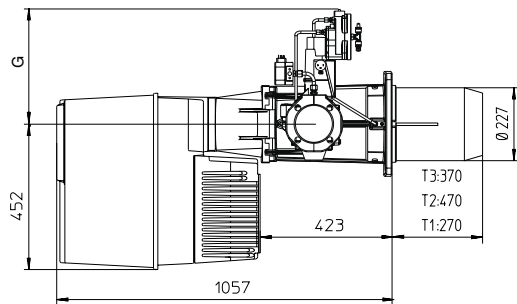
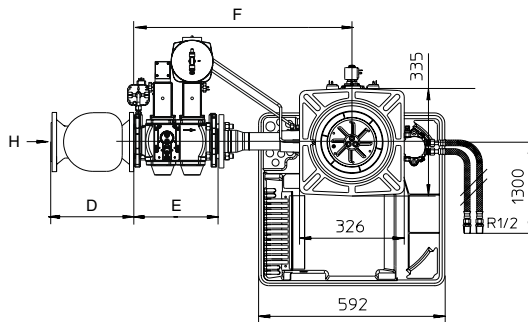
Rampa gas

Deve essere installata unicamente in orizzontale a destra o a sinistra.

Encombremet Dimensions Dimensioni d'ingombro Dimensiones Medidas Space requirements and dimensions Maßbild und Abmessungen



	D	E	F	G	H
VGD20.053	186	292	734	344	Rp2
VGD40.065	290	292	740	365	DN65
VGD40.080	320	312	746	375	DN80



Dimensiones y Medidas

Respetar una distancia libre mínima de 0,8 metros a ambos lados del quemador para permitir las operaciones de mantenimiento.

Ventilación calentador

El volumen de aire nuevo requerido es de 1,2 m³/kWh producido en el quemador.

Rampa de gas

Sólo se coloca en horizontal a la derecha o a la izquierda

Space requirements and dimensions

Leave a space of at least 0.8 metres on each side of the burner for maintenance purposes.

Boiler-house ventilation

Volume of fresh air required is 1.2 m³/kWh produced at the burner.

Gas manifold

Can only be installed horizontally, on the right or on the left.

Maßbild und Abmessungen

Für Servicearbeiten ist ein freier Abstand von min. 0,8m auf jeder Seite des Brenners sicherzustellen.

Heizraumbelüftung

Die nötige Frischluftzufuhr beträgt 1,2 m³/kWh am Brenner.

Gasarmaturgruppe

Montage waagrecht rechts oder links möglich



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