



BRUCIATORI BURNERS

Soluzioni integrate per il riscaldamento
All purpose heating solutions

Azienda Certificata con Sistema Qualità Aziendale UNI EN ISO 9001

F.B.R. Quality System Certified UNI EN ISO 9001

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INTRODUZIONE INTRODUCTION

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F.B.R. – RIGORE TECNOLOGICO E RISPETTO ECOLOGICO

Ricerca il meglio tecnologico è il nostro impegno da sempre.

I prodotti F.B.R. nascono da costanti verifiche, rigorose e d'avanguardia, ponendo particolare attenzione alle tematiche del rispetto ecologico e dell'impatto ambientale. I nostri prodotti sono conformi e certificati secondo le vigenti norme CE e la nostra azienda è certificata con il Sistema Qualità ISO 9001.

F.B.R. – TECHNOLOGICAL RIGOR AND ECOLOGICAL RESPECT

F.B.R.'s first aim has always been research of the best in technology. Our products are only marketed after stringent trials using the latest in industry led testing procedures with respect and consideration given to any issue relating to the ecological and environmental impact. F.B.R. is qualified by the Quality Management System ISO 9001 and all our products are certified and conform to the current CE norms.

BRUCIATORI DI GASOLIO LIGHT OIL BURNERS

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BRUCIATORI MISTI GAS/GASOLIO GAS/OLIO COMBUSTIBILE KN DUAL FUEL BURNERS GAS/LIGHT OIL GAS/HEAVY OIL KN

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BRUCIATORI INDUSTRIALI INDUSTRIAL BURNERS

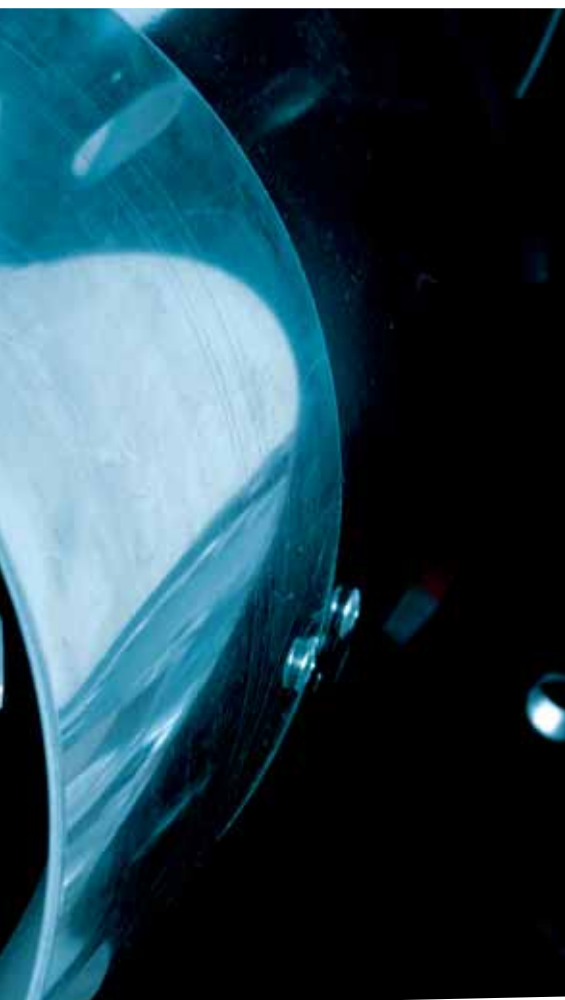
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**Catturiamo il fuoco
per liberare calore.**

**Capturing the fire
to free heat.**





Dal 1969 F.B.R. progetta e costruisce bruciatori ad alto contenuto tecnologico per applicazioni industriali e civili.

Oltre alle realizzazioni standard qui presentate, F.B.R. può fornire versioni speciali quali bruciatori di grandi potenzialità e bruciatori per combustibili alternativi di Biodiesel, BTZ (basso tenore di zolfo) e oli di origine vegetale (come olio di colza, olio di semi di girasole).

Since 1969 F.B.R. has designed and manufactured high-tech burners for industrial and civil applications. In addition to the standard product range, F.B.R. also supplies high power burners and burners for alternative fuels such as biodiesel, "BTZ" (low sulfur oil) and vegetable oils (i.e. colza oil, sunflower oil).



A large industrial engine, likely a diesel engine, is mounted on a red test bench. The engine is black and red, with a large black circular component on the left. A laptop is placed on the test bench, displaying a graph of engine performance. The background shows a blue wall and other industrial equipment.

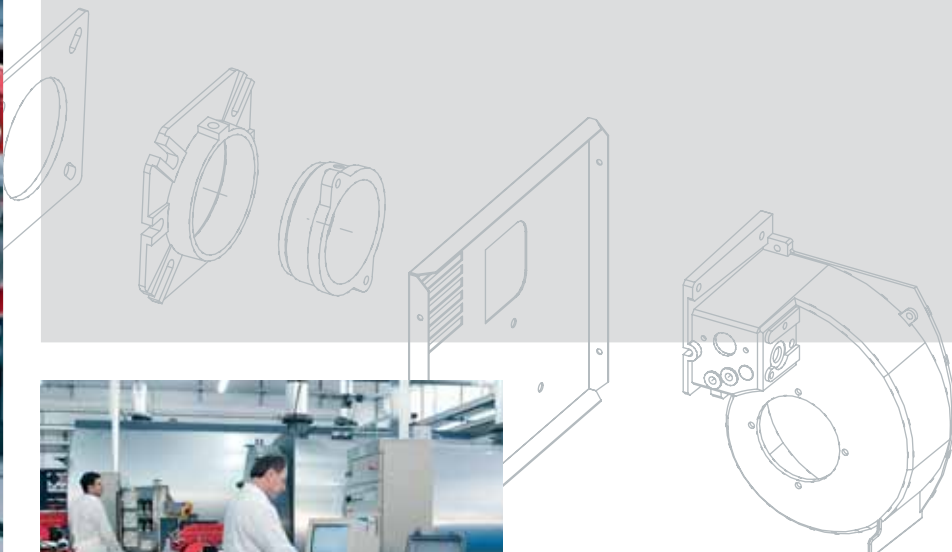
CENTRO RICERCA E SVILUPPO F.B.R.
**Mettere a fuoco le vostre
esigenze è il nostro lavoro.**

F.B.R. RESEARCH & DEVELOPMENT LAB
**Our job is to focus
on your requirements.**



Il Laboratorio di Ricerca & Sviluppo F.B.R. garantisce l'alta qualità e il continuo avanzamento tecnologico dei nostri bruciatori, distribuiti in oltre 80 nazioni del mondo.

F.B.R. Laboratory of Research & Development guarantees the highest quality and the continuous technological progress of our burners, distributed in over 80 countries across the world.



BRUCIATORI DI GASOLIO

LIGHT OIL BURNERS



1



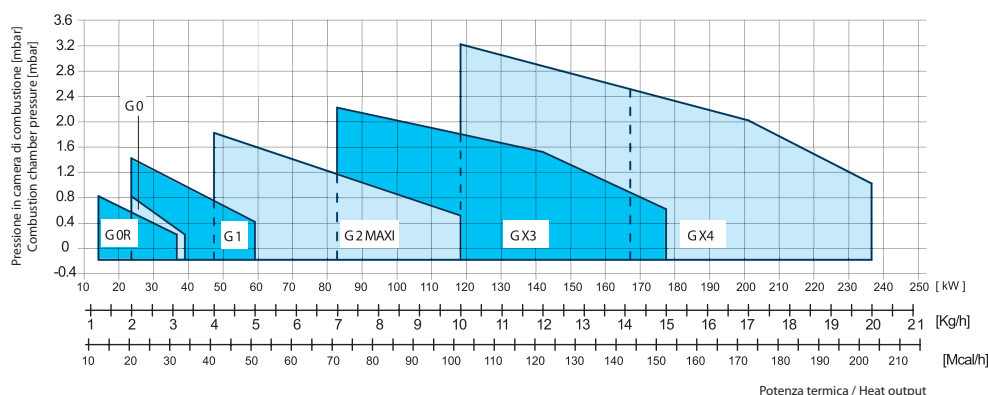
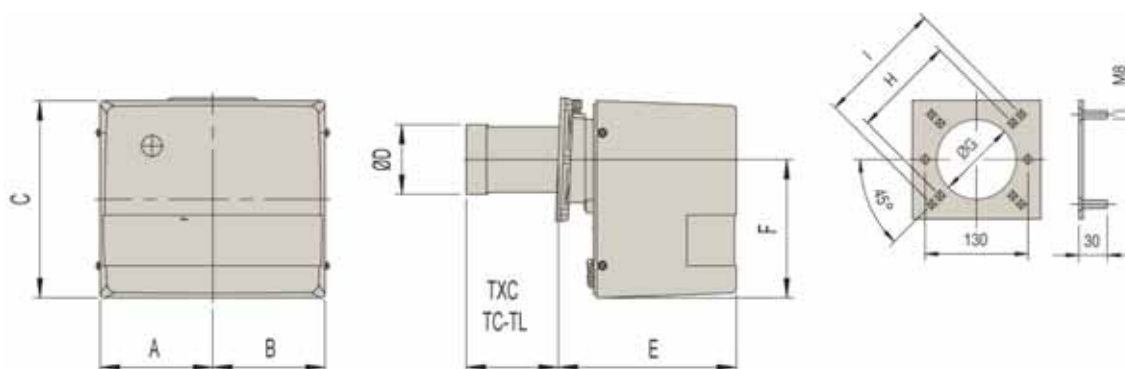


MONOSTADIO 1 STAGE	kg/h		kW		1F
	min	max	min	max	
G 0S 2001/2003* - G 0H 2001/2003	2	3,3	23,7	39,1	
G 0R 2001/2003*	1,2	3,1	14,2	36,7	
G 1S 2001/2003* - G 1H 2001/2003 - G 1R 2001/2003*	2	5	23,7	59,2	
G 2S MAXI* - G 2H MAXI	4	9,8	47,3	116	
G X3S - G X3H	7	15	83	178	
G X4S - G X4H	10	20	118	236	

* Disponibili anche in versione Low NOx

* Available also in Low NOx version

CAMPO DI LAVORO / DIMENSIONI (mm) - FIRING RATES / OVERALL DIMENSIONS (mm)



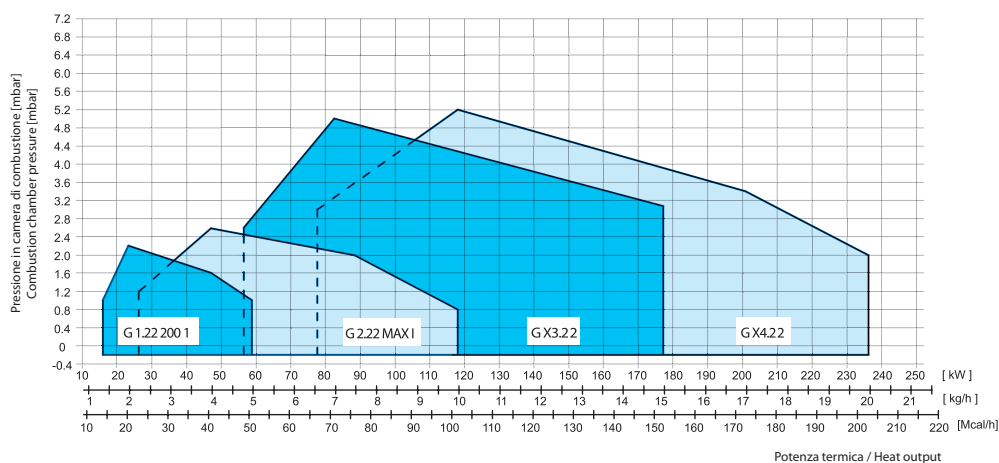
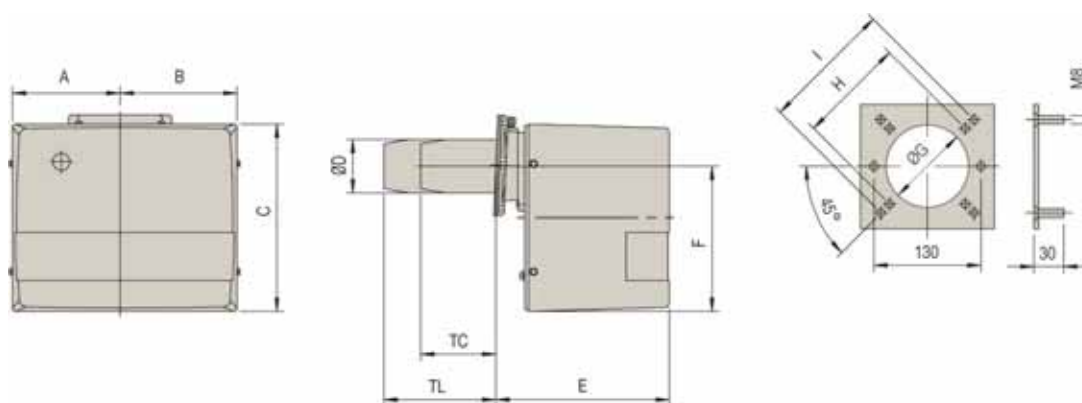
MODELLO MODEL	A	B	C	ØD	E	F	ØG	H	I	TXC	TC	TL
G 0... 2001	137	137	240	80	223	169	90	130	160	-	112	152
G 0...2003	137	137	240	83	225	169	90	130	160	77	112	152
G 1... 2001	157	170	275	80	265	210	90	130	160	-	112	152
G 1...2003	157	170	275	83	265	210	90	130	160	-	112	152
G 2...MAXI	157	170	275	90	265	210	100	130	160	-	112	152
G X3...	179	189	318	110	306	248	120	160	226	-	130	250
G X4...	179	189	318	124	306	248	140	160	226	-	130	250



BISTADIO 2 STAGES	kg/h		kW	
	min	max	min	max
G 1.22 2001	2	5	23,7	59,2
G 2.22 MAXI	4	9,8	47,3	116
G X 3.22	7	15	83	178
G X 4.22	10	20	118	236

1F

CAMPO DI LAVORO / DIMENSIONI (mm) - FIRING RATES / OVERALL DIMENSIONS (mm)



MODELLO MODEL

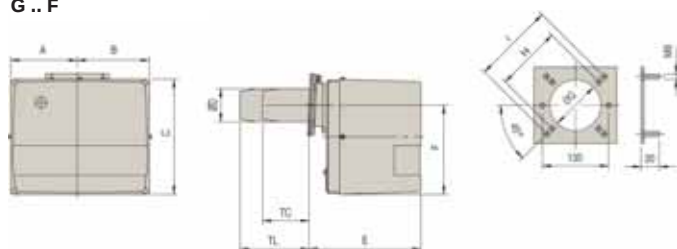
	A	B	C	ØD	E	F	ØG	H	I	TC	TL
G 1.22 2001	157	170	275	80	265	210	90	130	160	112	152
G 2.22 MAXI	157	170	275	90	265	210	100	130	160	112	152
G X 3.22	179	189	318	110	298	248	120	160	226	130	250
G X 4.22	179	189	318	124	298	248	140	160	226	130	250



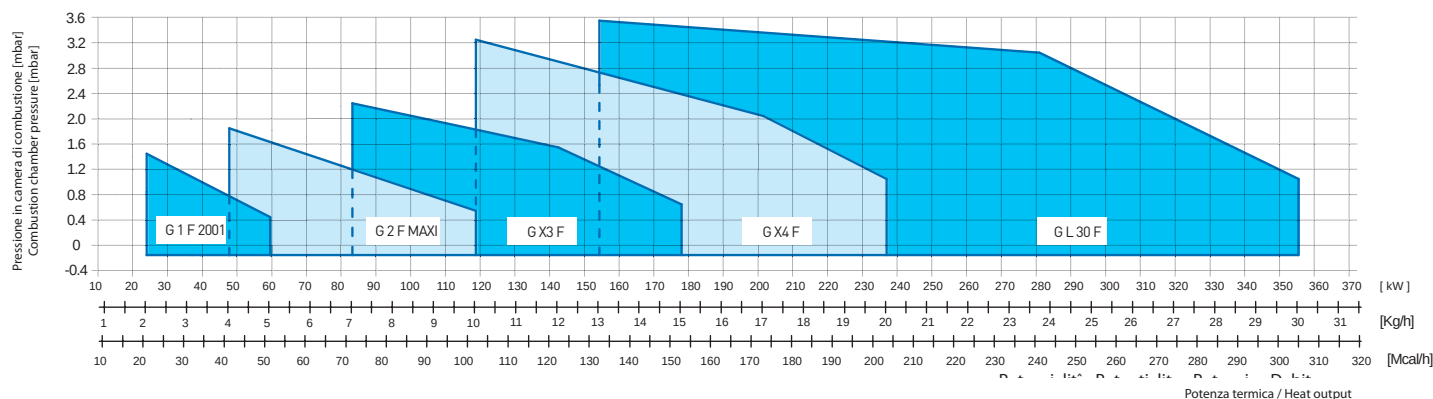
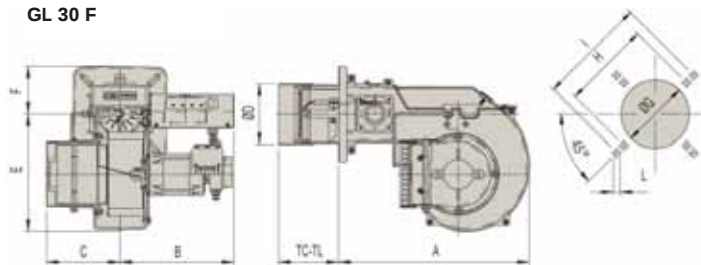
MONOSTADIO per forni da pane 1 STAGE for bakery ovens	kg/h		kW		1F
	min	max	min	max	
G 1 F 2001	2	5	23,7	59,2	1F
G 2 F MAXI	4	9,8	47,3	116	
G X3 F	7	15	83	178	
G X4 F	10	20	118	236	
GL 30F	13	30	153	355	

CAMPO DI LAVORO / DIMENSIONI (mm) - FIRING RATES / OVERALL DIMENSIONS (mm)

G .. F



GL 30 F



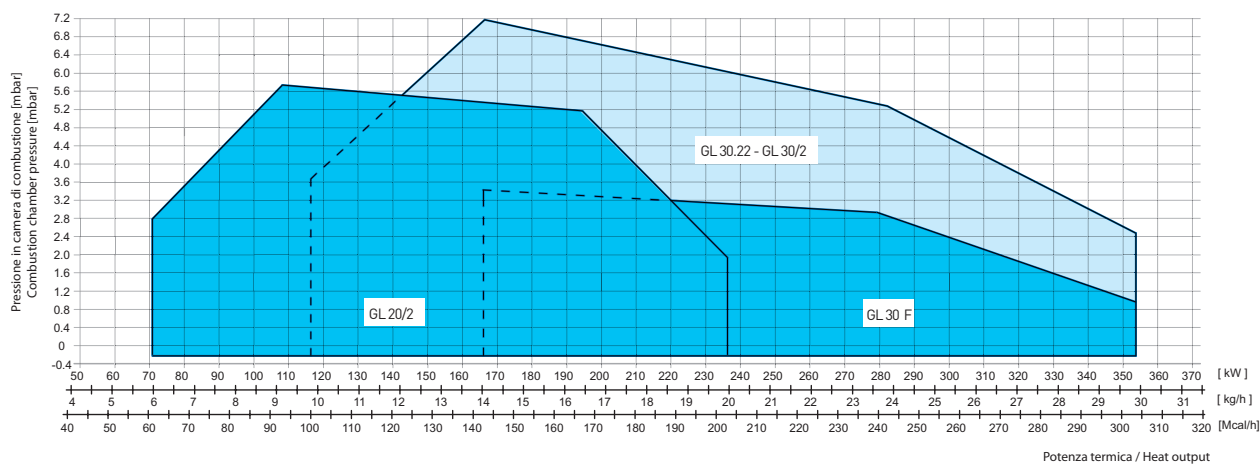
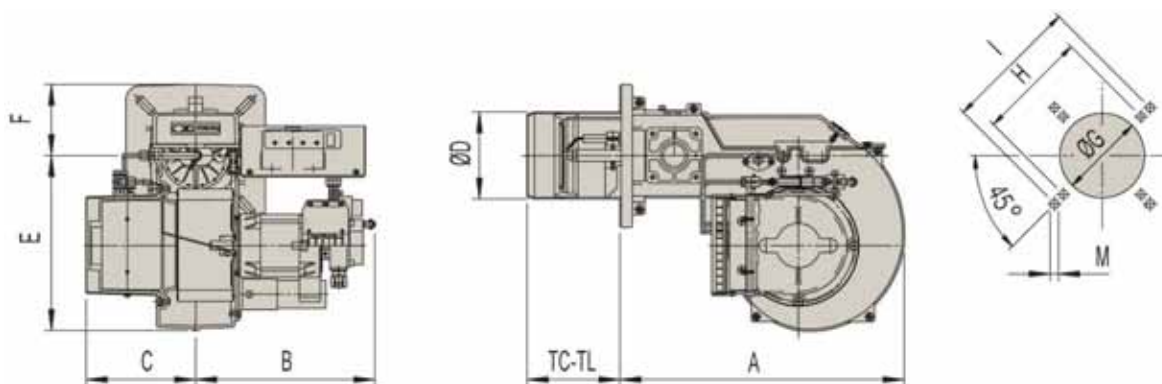
MODELLO MODEL	A	B	C	ØD	E	F	ØG	H	I	TC	TL
G 1 F 2001	157	170	275	80	265	210	90	130	160	112	152
G 2 F MAXI	157	170	275	90	265	210	100	130	160	112	152
G X3 F	179	189	318	110	298	248	120	160	226	130	250
G X4 F	179	189	318	124	298	248	140	160	226	130	250

MODELLO MODEL	A	B	C	ØD	E	F	ØG	H	I	L	TC	TL
GL 30 F	410	240	157	130	251	102	140	180	226	10	130	250



MONOSTADIO 1 STAGE	A SALTO DI PRESSIONE WITH JUMP OF PRESSURE	BISTADIO 2 STAGES	kg/h		kW		1F
			min	max	min	max	
GL 30 F	GL 30.22	GL 20/2	10	20	118	237	1F
		GL 30/2	13	30	153	355	

CAMPO DI LAVORO / DIMENSIONI (mm) - FIRING RATES / OVERALL DIMENSIONS (mm)



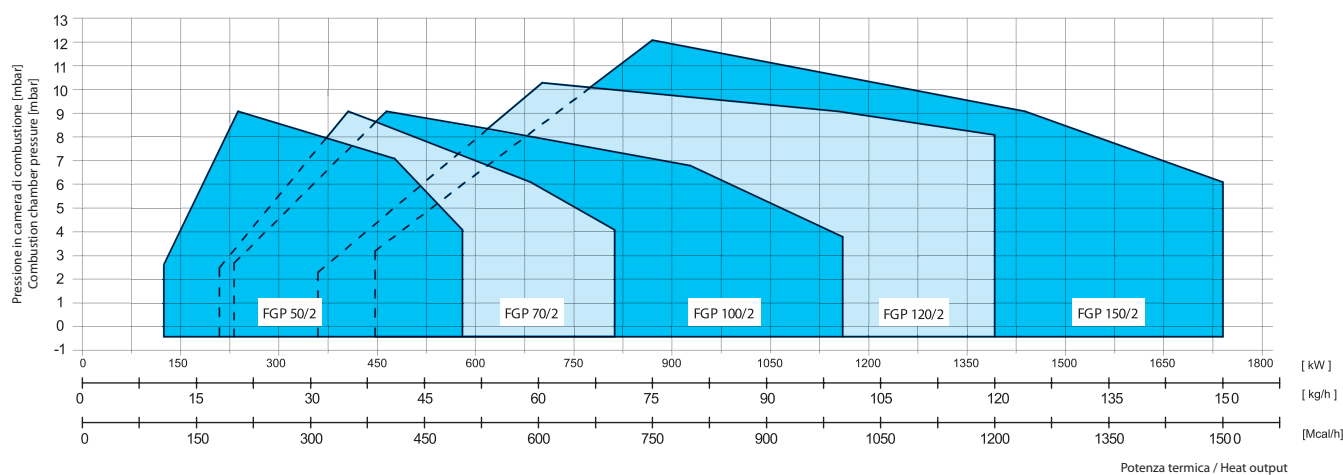
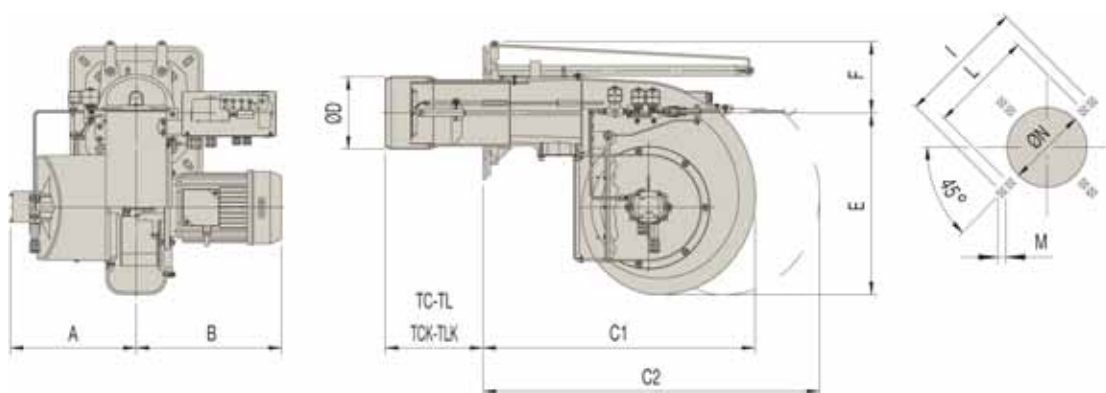
MODELLO MODEL

	A	B	C	ØD	E	F	ØG	H	I	M	TC	TL	TXL
GL 30 F	410	240	157	130	251	102	140	180	226	10	130	250	-
GL 30.22	410	257	157	130	251	102	140	180	226	10	130	250	-
GL 20/2	410	240	200	125	251	102	140	180	226	10	130	250	-
GL 30/2	410	240	200	130	251	102	140	180	226	10	130	250	335



BISTADIO 2 STAGES	kg/h		kW		3F
	min	max	min	max	
FGP 50/2	20	50	237	592	3F
FGP 70/2	35	70	406	812	
FGP 100/2	40	100	464	1160	
FGP 120/2	60	120	696	1392	
FGP 150/2	75	150	870	1740	

CAMPO DI LAVORO / DIMENSIONI (mm) - FIRING RATES / OVERALL DIMENSIONS (mm)



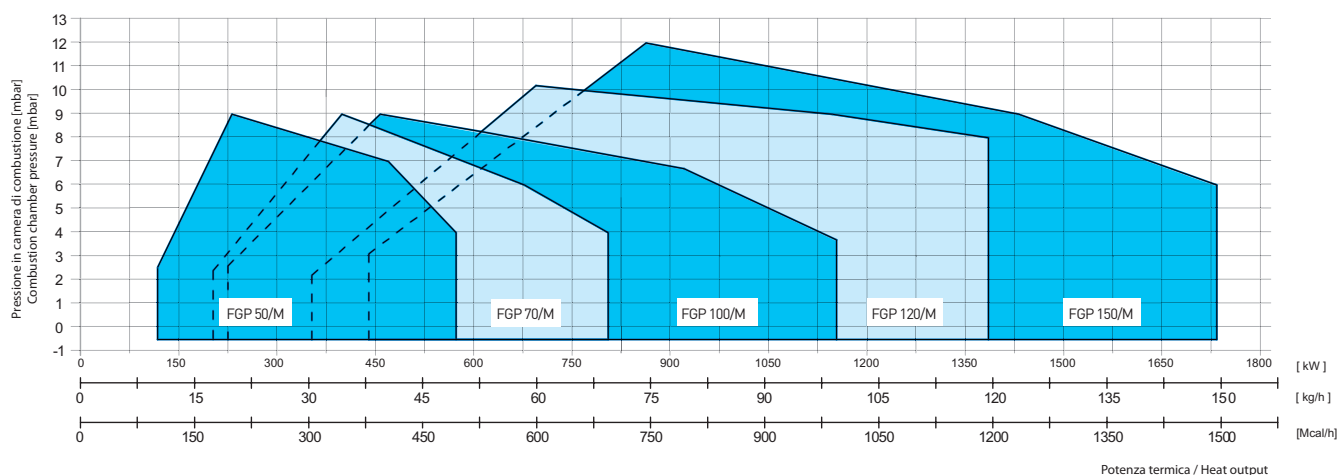
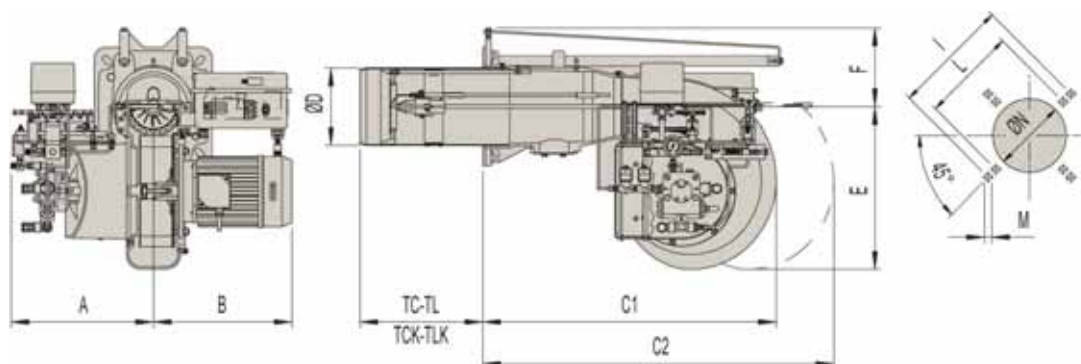
MODELLO MODEL	A	B	C1	C2	ØD	E	F	I	L	M	ØN	TC	TCK	TL	TLK
FGP 50/2	188	324	493	-	150	327	100	226	205	10	160	250	-	335	-
FGP 70/2	250	310	660	1060	165	327	171	368	340	M12	180	170	250	335	-
FGP 100/2	300	350	670	1170	175	438	173	368	340	M12	190	200	235	435	370
FGP 120/2	350	380	820	1400	212	438	213	368	340	M14	230	200	-	400	-
FGP 150/2	350	380	820	1400	212	438	213	368	340	M14	230	200	-	400	-



PROGRESSIVI & MODULANTI PROGRESSIVE & MODULATING

	kg/h		kW		
	min	max	min	max	
FGP 50/M	20	50	237	592	3F
FGP 70/M	35	70	406	812	
FGP 100/M	40	100	464	1160	
FGP 120/M	60	120	696	1392	
FGP 150/M	75	150	870	1740	

CAMPO DI LAVORO / DIMENSIONI (mm) - FIRING RATES / OVERALL DIMENSIONS (mm)



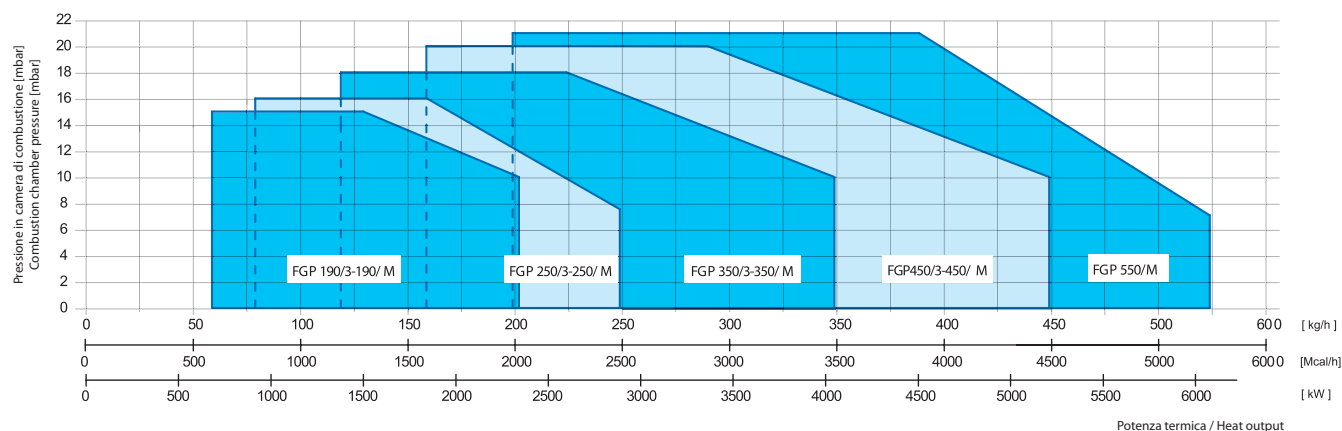
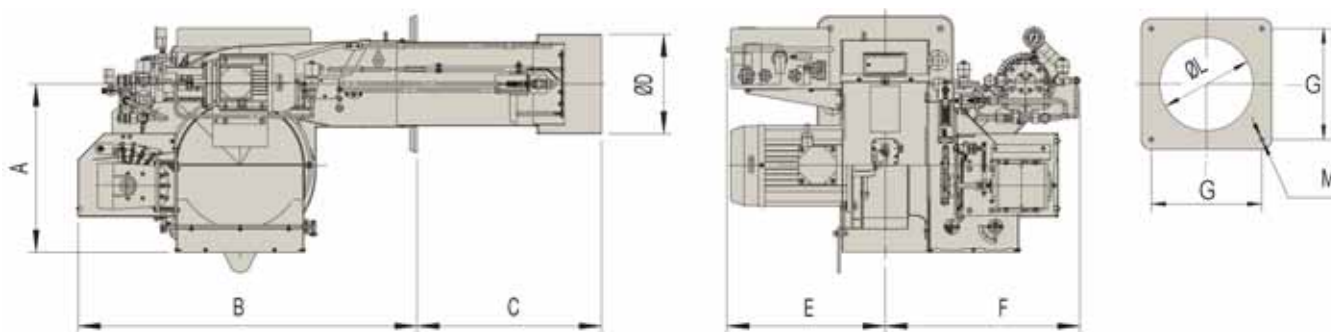
MODELLO MODEL

	A	B	C1	C2	ØD	E	F	I	L	M	ØN	TC	TCK	TL	TLK
FGP 50/M	350	305	535	-	150	327	145	226	205	M10	160	250	-	335	-
FGP 70/M	350	310	700	1140	165	327	171	368	340	M12	180	-	250	335	-
FGP 100/M	386	375	651	1150	175	438	173	368	340	M12	190	-	235	-	370
FGP 120/M	386	376	815	1395	209	438	213	368	340	M14	230	200	-	400	-
FGP 150/M	386	397	815	1395	209	438	213	368	340	M14	230	200	-	400	-



TRISTADIO 3 STAGES	PROGRESSIVI E MODULANTI PROGRESSIVE & MODULATING	kg/h		kW		3F
		min	max	min	max	
FGP 190/3	FGP 190/M	60	206	700	2390	
FGP 250/3	FGP 250/M	80	250	930	2900	
FGP 350/3	FGP 350/M	140	350	1620	4060	
FGP 450/3	FGP 450/M	160	450	1850	5220	
	FGP 550/M	200	550	2320	6380	

CAMPO DI LAVORO / DIMENSIONI (mm) - FIRING RATES / OVERALL DIMENSIONS (mm)



MODELLO MODEL	A	B	C	ØD	E	F	G	ØL	M
FGP 190/3	453	835	495	232	429	429	300	245	M14
FGP 250/3	453	835	500	269	429	460	300	280	M14
FGP 350/3	481	942	535	334	537	517	390	355	M14
FGP 450/3	481	942	560	380	507	517	390	390	M14
FGP 190/M	453	920	495	232	430	530	300	245	M14
FGP 250/M	453	920	500	269	430	530	300	280	M14
FGP 350/M	481	1025	535	334	571	540	390	355	M14
FGP 450/M	481	1025	560	380	571	540	390	400	M14
FGP 550/M	481	1025	560	380	661	540	390	400	M14

BRUCIATORI DI OLIO COMBUSTIBILE HEAVY OIL BURNERS



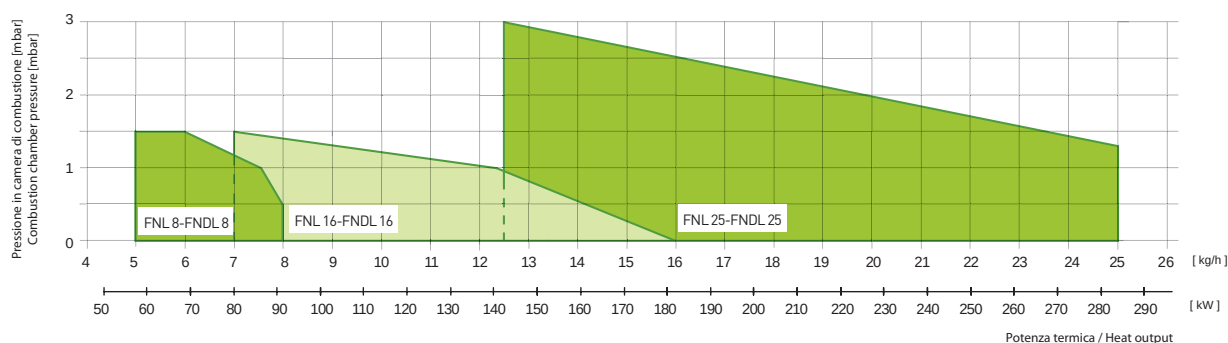
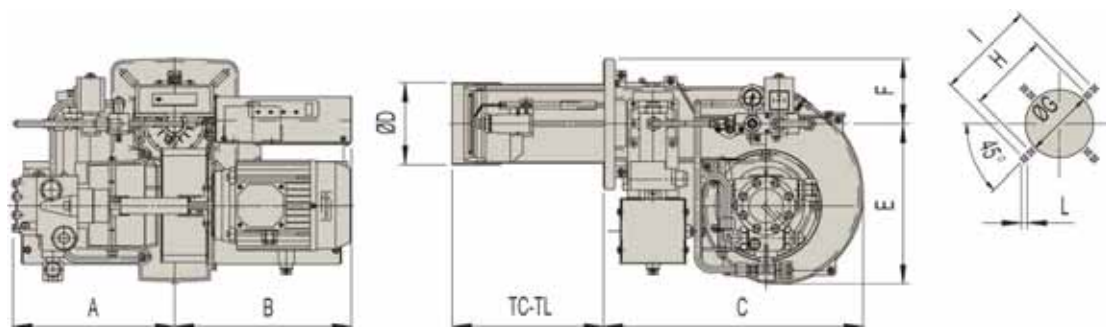
2





MONOSTADIO di olio combustibile fluido 1 STAGE for fluid heavy oil	MONOSTADIO di olio combustibile denso 1 STAGE for dense heavy oil	kg/h		kW		
		min	max	min	max	
FNL 8	FNDL 8	5	8	57	91	1F
FNL 16	FNDL 16	7	16	80	182	
FNL 25	FNDL 25	12,5	25	142	284	3F

CAMPO DI LAVORO / DIMENSIONI (mm) - FIRING RATES / OVERALL DIMENSIONS (mm)

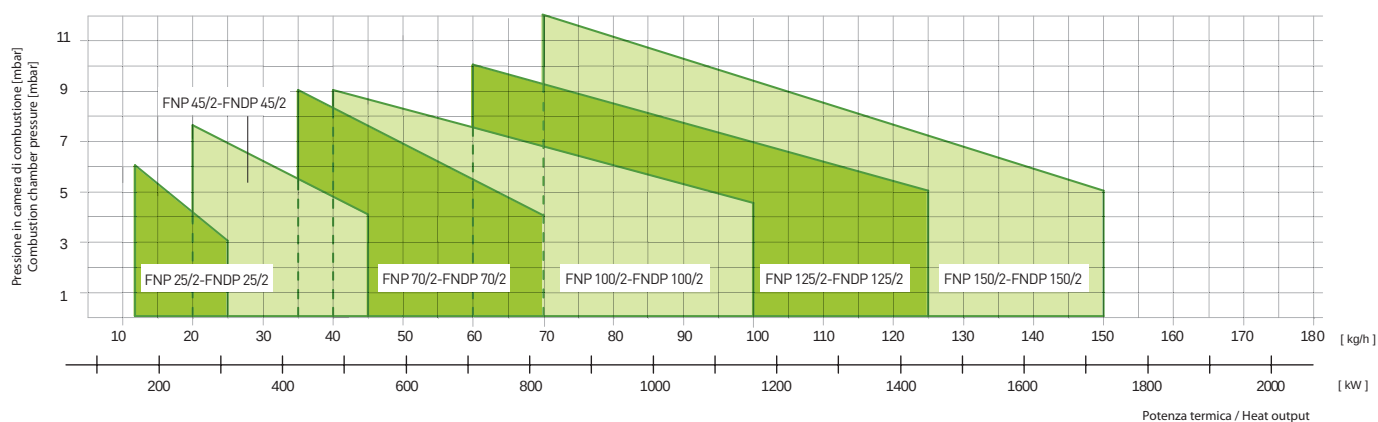
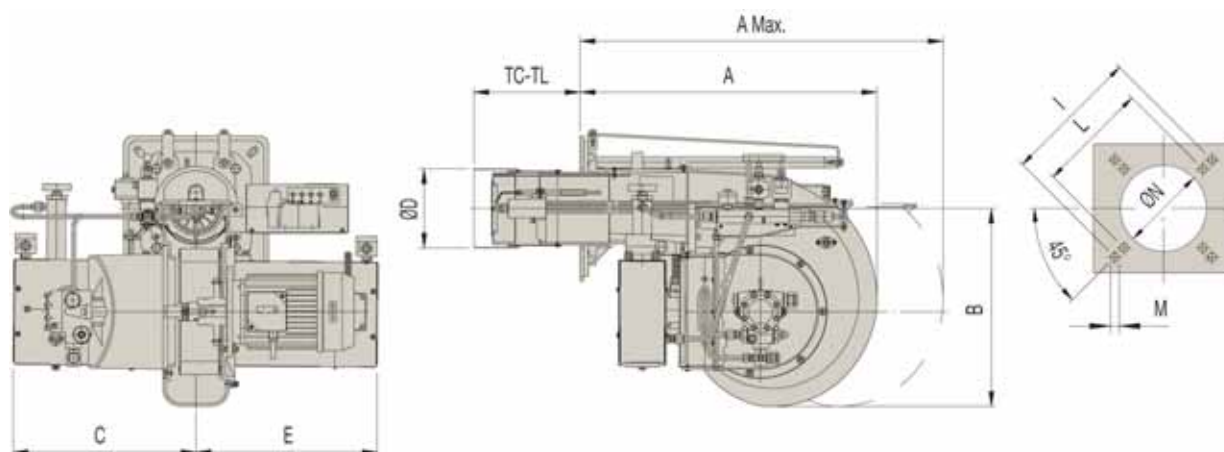


MODELLO MODEL		A	B	C	ØD	E	F	ØG	H	I	L	TC	TL
FNL 8	FNDL 8	253	280	410	107	251	102	120	180	226	10	120	240
FNL 16	FNDL 16	253	280	410	107	251	102	120	180	226	10	120	240
FNL 25	FNDL 25	255	280	410	130	251	102	140	180	226	10	120	240



BISTADIO di olio combustibile fluido 2 STAGES for fluid heavy oil	BISTADIO di olio combustibile denso 2 STAGES for dense heavy oil	kg/h		kW		3F
		min	max	min	max	
FNP 25/2	FNDP 25/2	12,5	25	142	284	
FNP 45/2	FNDP 45/2	20	45	227	512	
FNP 70/2	FNDP 70/2	35	70	398	796	
FNP 100/2	FNDP 100/2	40	100	455	1137	
FNP 125/2	FNDP 125/2	60	125	682	1421	
FNP 150/2	FNDP 150/2	70	150	796	1705	

CAMPO DI LAVORO / DIMENSIONI (mm) - FIRING RATES / OVERALL DIMENSIONS (mm)



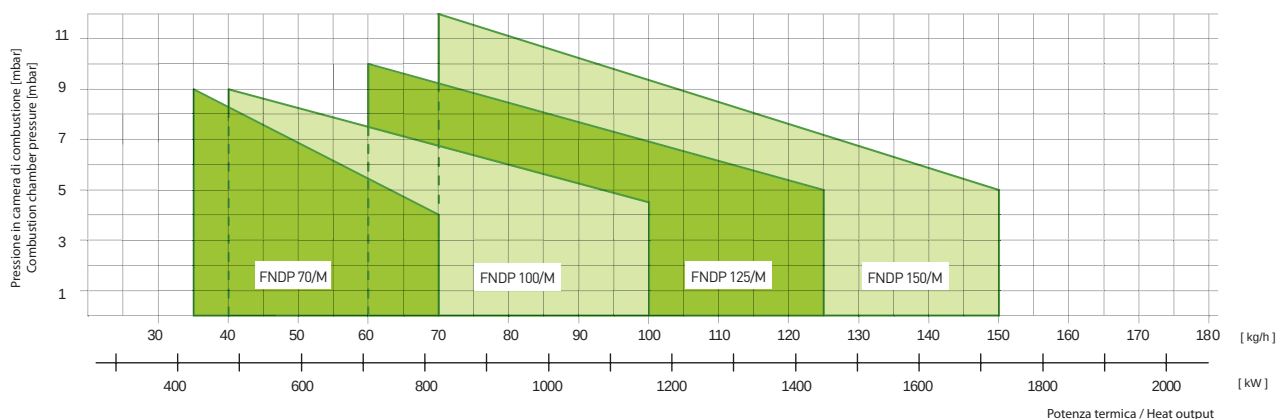
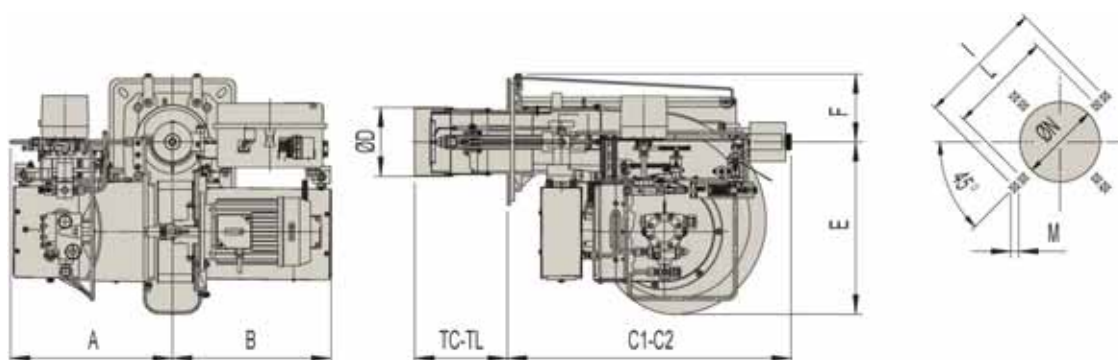
MODELLO MODEL

		A	A Max.	B	C	ØD	E	TC	TL	I	L	M	ØN
FNP 25/2	FNDP 25/2	540	950	325	295	135	319	170	350	340	283	M12	160
FNP 45/2	FNDP 45/2	540	950	325	295	155	319	170	350	340	283	M12	160
FNP 70/2	FNDP 70/2	660	1100	355	295	165	326	250	350	368	340	M12	180
FNP 100/2	FNDP 100/2	656	1085	440	410	175	400	235	335	368	340	M12	190
FNP 125/2	FNDP 125/2	820	1400	520	420	209	400	200	400	368	340	M14	230
FNP 150/2	FNDP 150/2	820	1400	520	420	209	400	200	400	368	340	M14	230



PROGRESSIVI & MODULANTI PROGRESSIVE & MODULATING	kg/h		kW		3F
	min	max	min	max	
FNDP 70/M	35	70	398	796	3F
FNDP 100/M	40	100	455	1137	
FNDP 125/M	60	125	682	1421	
FNDP 150/M	75	150	853	1705	

CAMPO DI LAVORO / DIMENSIONI (mm) - FIRING RATES / OVERALL DIMENSIONS (mm)

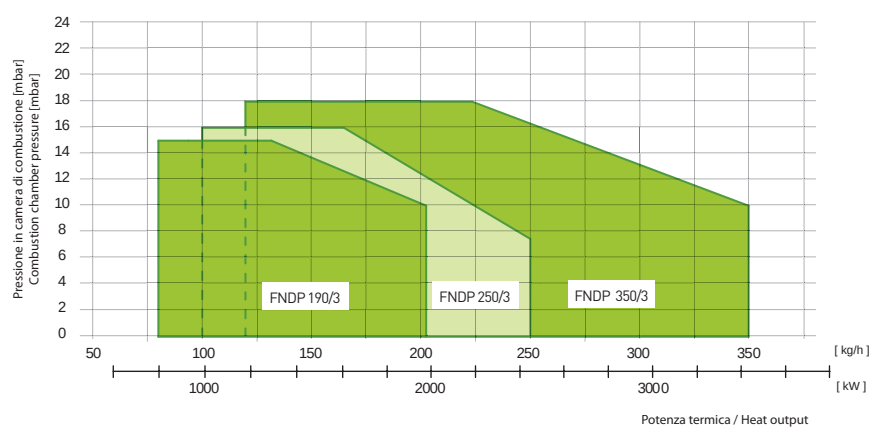
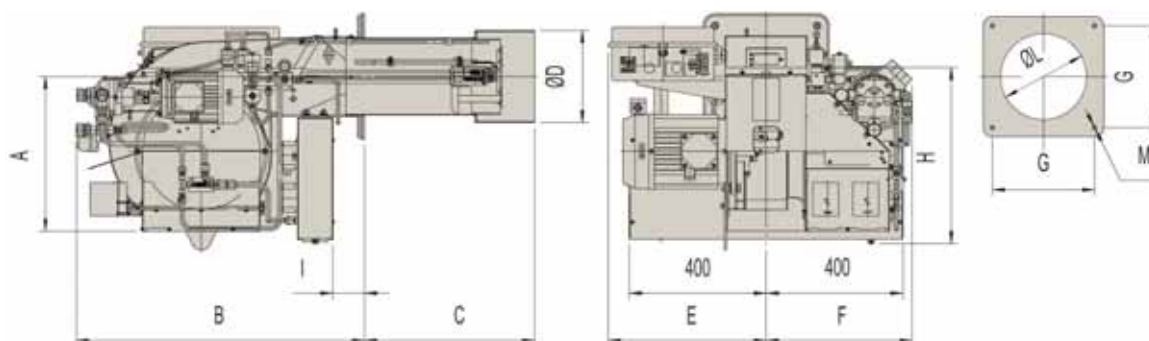


MODELLO MODEL	A	B	C1	C2	ØD	E	F	TC	TL	I	L	M	ØN
FNDP 70/M	360	385	735	1175	165	355	171	250	350	368	340	M12	180
FNDP 100/M	410	400	720	1150	175	440	173	235	335	368	340	M12	190
FNDP 125/M	420	400	860	1440	209	520	213	200	400	368	340	M14	230
FNDP 150/M	420	400	860	1440	209	520	213	200	400	368	340	M14	230



TRISTADIO 3 STAGES	kg/h		kW		3F
	min	max	min	max	
FNDP 190/3	80	206	909	2341	3F
FNDP 250/3	100	250	1137	2842	
FNDP 350/3	120	350	1364	3979	

CAMPO DI LAVORO / DIMENSIONI (mm) - FIRING RATES / OVERALL DIMENSIONS (mm)



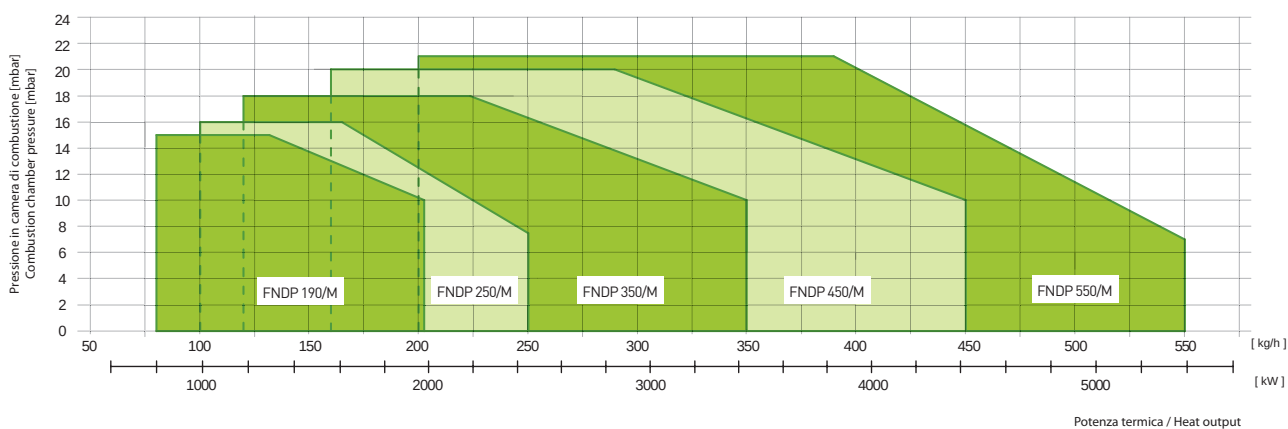
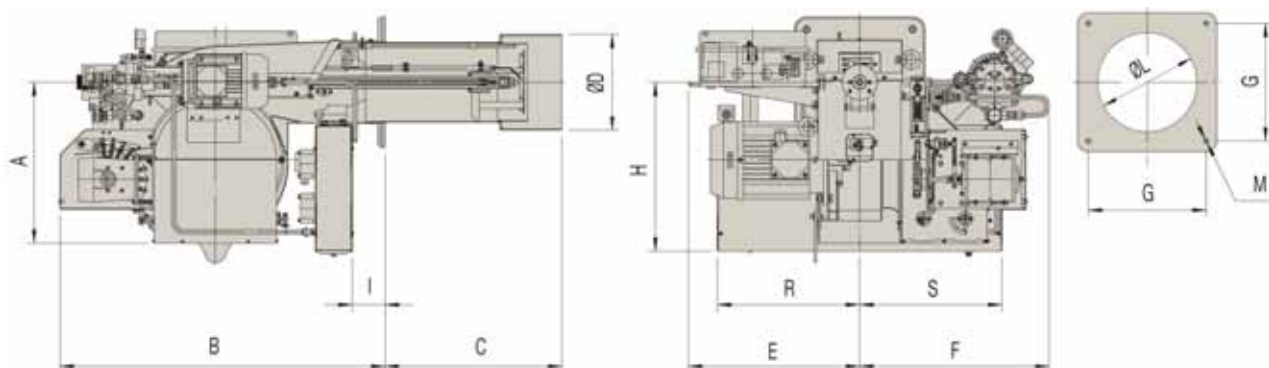
MODELLO MODEL	A	B	C	ØD	E	F	G	H	I	ØL	M
FNDP 190/3	453	850	495	234	464	430	300	490	93	245	M14
FNDP 250/3	453	850	500	271	464	430	300	490	93	280	M14
FNDP 350/3	453	942	520	292	575	488	390	494	75	300	M14



PROGRESSIVI & MODULANTI PROGRESSIVE & MODULATING

	kg/h		kW		
	min	max	min	max	
FNDP 190/M	80	206	909	2341	3F
FNDP 250/M	100	250	1137	2842	
FNDP 350/M	120	350	1364	3979	
FNDP 450/M	160	450	1819	5116	
FNDP 550/M	200	550	2274	6252	

CAMPO DI LAVORO / DIMENSIONI (mm) - FIRING RATES / OVERALL DIMENSIONS (mm)



MODELLO MODEL

	A	B	C	ØD	E	F	G	H	I	ØL	M	R	S
FNDP 190/M	453	920	495	234	484	536	300	490	93	245	M14	400	400
FNDP 250/M	453	920	500	271	484	536	300	490	93	280	M14	400	400
FNDP 350/M	481	1025	520	292	537	565	390	495	75	310	M14	400	400
FNDP 450/M	481	1025	560	380	571	571	390	635	57	400	M14	520	400
FNDP 550/M	481	1025	560	380	661	571	390	635	57	400	M14	520	400

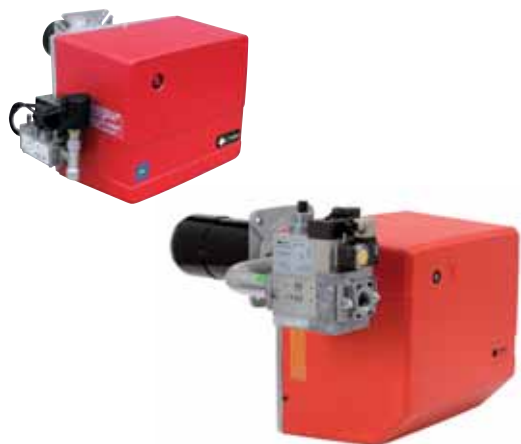
BRUCIATORI DI GAS

GAS BURNERS



3



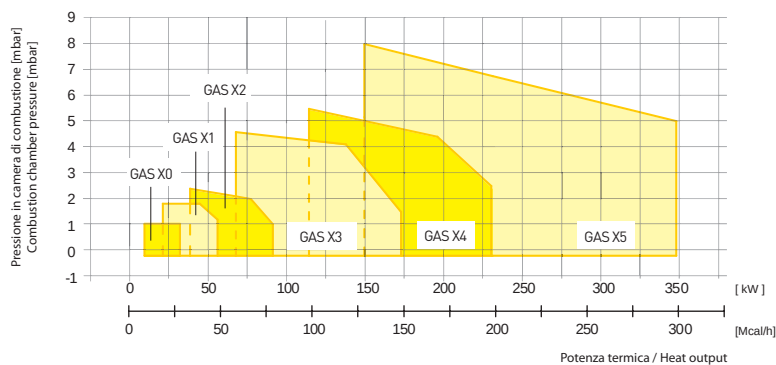
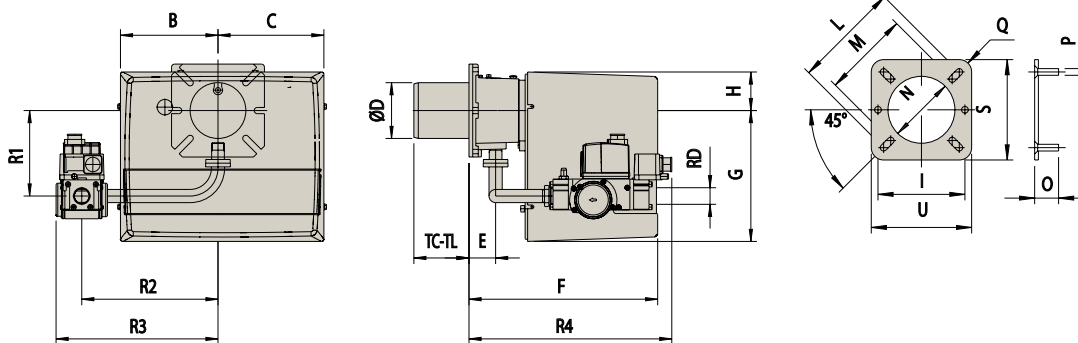


MONOSTADIO 1 STAGE	kcal/h		kW		1F
	min	max	min	max	
GAS X 0	10.000	29.500	11,6	34,2	
GAS X 1	20.000	50.000	23,2	58	
GAS X 2	35.000	80.000	40,6	93	
GAS X 3 *	60.000	150.000	70	174	
GAS X 4 *	100.000	200.000	116	232	
GAS X 5 *	130.000	300.000	151	349	

* Disponibili anche in versione Low NOx

* Available also in Low NOx version

CAMPO DI LAVORO / DIMENSIONI (mm) - FIRING RATES / OVERALL DIMENSIONS (mm)



MODELLO MODEL	B	C	ØD	E	F	G	H	I	L	M	N	O	P	Q	S	U	TC	TL	R1	R2	R3	R4	RD
GAS X0 CE - D1/2"-S	137	137	90	45	265	169	72	130	160	130	100	30	M8	R15	150	150	85	145	128	200	254	244	1/2
GAS X1 CE - D1/2"-S	157	170	90	45	305	210	65	130	160	130	100	30	M8	R15	150	150	85	145	128	200	254	244	1/2
GAS X2 CE - D3/4"-S	157	170	90	45	305	210	65	130	160	130	100	30	M8	R15	150	150	85	145	138	220	262	328	3/4
GAS X3 CE - D1"-S	185	195	108	52	340	248	70	160	170	150	120	30	M8	R15	190	190	130	250	168	280	337	361	1
GAS X4 CE - D1"-S	185	195	125	78	368	248	70	-	226	170	135	40	M10	R30	220	220	160	280	173	280	337	385	1
GAS X5 CE - D1"-S	207	213	138	98	462	310	90	-	226	205	148	-	M10	R30	220	220	250	335	160	305	362	403	1"
GAS X5 CE - CT-D1"-S	207	213	138	98	462	310	90	-	226	205	148	-	M10	R30	220	220	250	335	160	305	480	403	1"
GAS X5 CE - D1"1/4-S	207	213	138	98	462	310	90	-	226	205	148	-	M10	R30	220	220	250	335	160	305	362	450	1"1/4
GAS X5 CE - CT-D1"1/4-S	207	213	138	98	462	310	90	-	226	205	148	-	M10	R30	220	220	250	335	160	305	480	450	1"1/4

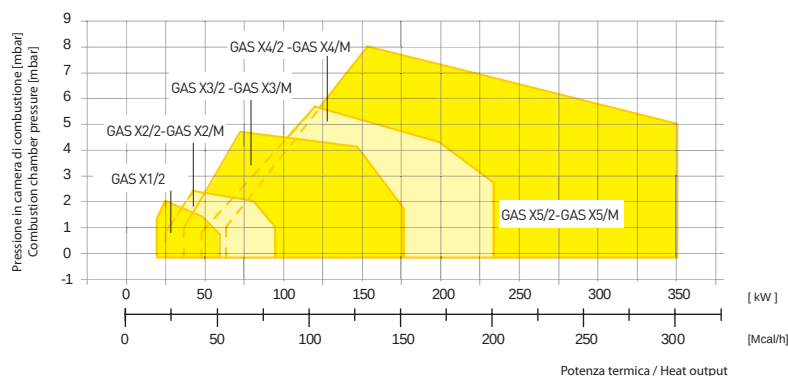
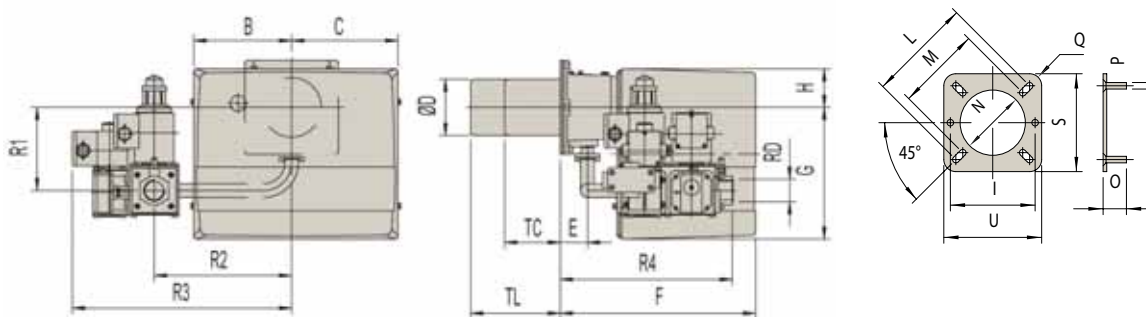


BISTADIO 2 STAGES	PROGRESSIVI & MODULANTI PROGRESSIVE & MODULATING	kcal/h		kW		
		min	max	min	max	
GAS X 1/2		20.000	50.000	23,2	58	1F
GAS X 2/2	GAS X 2/M	35.000	80.000	40,6	93	
GAS X 3/2 *	GAS X 3/M *	60.000	150.000	70	174	
GAS X 4/2 *	GAS X 4/M *	100.000	200.000	116	232	
GAS X 5/2 *	GAS X 5/M *	130.000	300.000	151	349	

* Disponibili anche in versione Low NOx

* Available also in Low NOx version

CAMPO DI LAVORO / DIMENSIONI (mm) - FIRING RATES / OVERALL DIMENSIONS (mm)

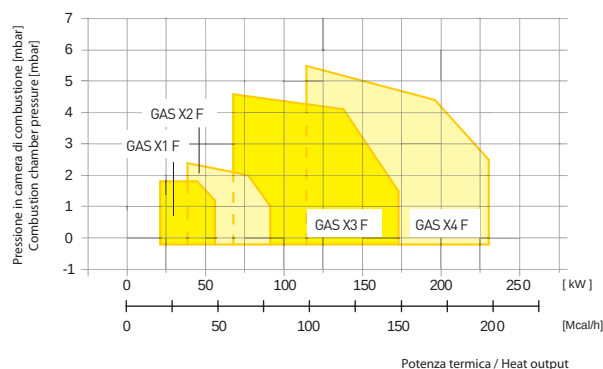
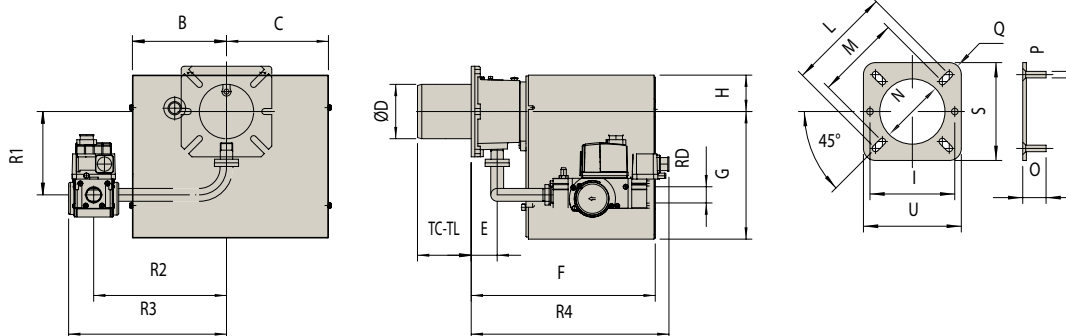


MODELLO MODEL	B	C	ØD	E	F	G	H	I	L	M	ØN	O	P	Q	S	U	TC	TL	R1	R2	R3	R4	RD
GAS X 1/2 CE - D1" S	157	170	90	45	313	210	65	130	160	130	100	30	M8	R15	150	150	85	145	133	200	275	258	1/2
GAS X 2/2 CE - D3/4" FS25	157	170	90	45	313	210	65	130	160	130	100	30	M8	R15	150	150	85	145	138	220	351	275	1
GAS X 3/2 CE - D1" S	185	195	108	52	340	248	70	160	170	150	120	30	M8	R15	190	190	130	250	168	280	337	361	1
GAS X 4/2 CE - D1" S	185	195	125	78	368	248	70	-	226	170	135	40	M10	R30	220	220	160	280	173	280	337	385	1
GAS X 5/2 CE - D1" S	207	213	138	98	462	310	90	-	226	205	148	-	M10	R30	220	220	250	335	255	305	362	403	1"
GAS X 5/2 CE - CT D1" S	207	213	138	98	462	310	90	-	226	205	148	-	M10	R30	220	220	250	335	255	305	480	403	1"
GAS X 5/2 CE - D1" 1/4 S	207	213	138	98	462	310	90	-	226	205	148	-	M10	R30	220	220	250	335	255	305	362	450	1"1/4
GAS X 5/2 CE - CT D1" 1/4 S	207	213	138	98	462	310	90	-	226	205	148	-	M10	R30	220	220	250	335	255	305	480	450	1"1/4
GAS X 2/M CE - D3/4" FS25	157	200	90	45	305	211	65	130	160	130	100	30	M8	R15	150	150	85	145	178	220	318	275	1"
GAS X 2/M CE - D1" FS25	157	200	90	45	305	211	65	130	160	130	100	30	M8	R15	150	150	85	145	178	220	318	275	1"
GAS X 3/M CE - D1" FS25	185	224	108	54	340	248	70	160	170	150	120	30	M8	R15	190	190	130	250	228	280	378	310	1"
GAS X 4/M CE - D1" FS25	185	224	125	78	368	248	70	-	226	170	135	40	M10	R30	220	220	160	280	233	280	378	334	1"
GAS X 4/M CE - D1" FS32	185	224	125	78	368	248	70	-	226	170	135	40	M10	R30	220	220	160	280	233	280	378	334	1"
GAS X 5/M CE - D1" S	207	213	138	98	462	310	165	-	226	205	148	-	M10	R30	220	220	250	335	160	305	395	508	1"
GAS X5/M CE - D1" 1/4 S	207	213	138	98	462	310	165	-	226	205	148	-	M10	R30	220	220	250	335	160	305	395	508	1"1/4



MONOSTADIO per forni da pane 1 STAGE for bakery ovens	kcal/h		kW		1F
	min	max	min	max	
GAS X 1 F	20.000	50.000	23,2	58	1F
GAS X 2 F	35.000	80.000	40,6	93	
GAS X 3 F	60.000	150.000	70	174	
GAS X 4 F	100.000	200.000	116	232	

CAMPO DI LAVORO / DIMENSIONI (mm) - FIRING RATES / OVERALL DIMENSIONS (mm)



MODELLO MODEL	B	C	ØD	E	F	G	H	I	L	M	N	O	P	Q	S	U	TC	TL	R1	R2	R3	R4	RD
GAS X 0 CE F - D1/2" S	137	137	90	45	265	169	72	130	160	130	100	30	M8	R15	150	150	85	145	128	200	254	244	1/2
GAS X 1 CE F - D1/2" S	157	170	90	45	305	210	65	130	160	130	100	30	M8	R15	150	150	85	145	128	200	254	244	1/2
GAS X 2 CE F - D3/4" S	157	170	90	45	305	210	65	130	160	130	100	30	M8	R15	150	150	85	145	138	220	262	328	3/4
GAS X 3 CE F - D1" S	185	195	108	52	340	248	70	160	170	150	120	30	M8	R15	190	190	130	250	168	280	337	361	1
GAS X 4 CE F - D1" S	185	195	125	78	368	248	70	-	226	170	135	40	M10	R30	220	220	160	280	173	280	337	385	1



MONOSTADIO per cucine 1 STAGE for kitchens

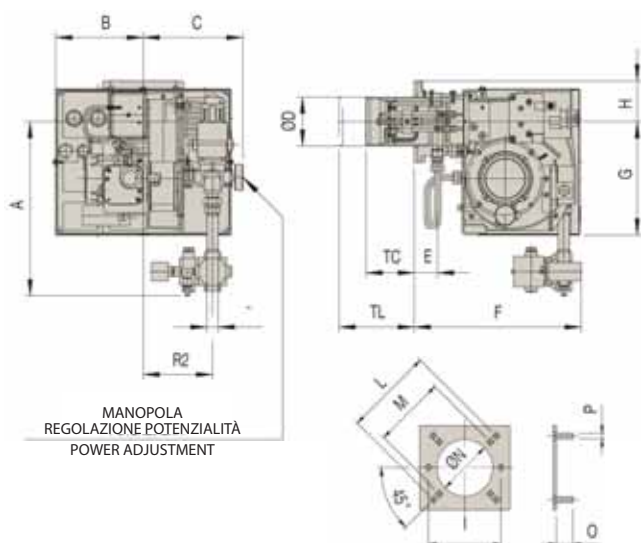
	kcal/h		kW		
	min	max	min	max	
GAS 1/C	10.000	40.000	11,6	47	1F
GAS 2/C	15.000	60.000	17,5	70	

SERIE "X0 THLS" per units "X0 THLS" SERIE for units

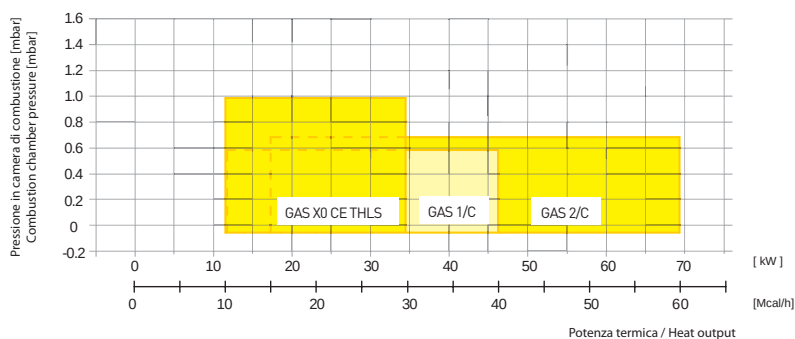
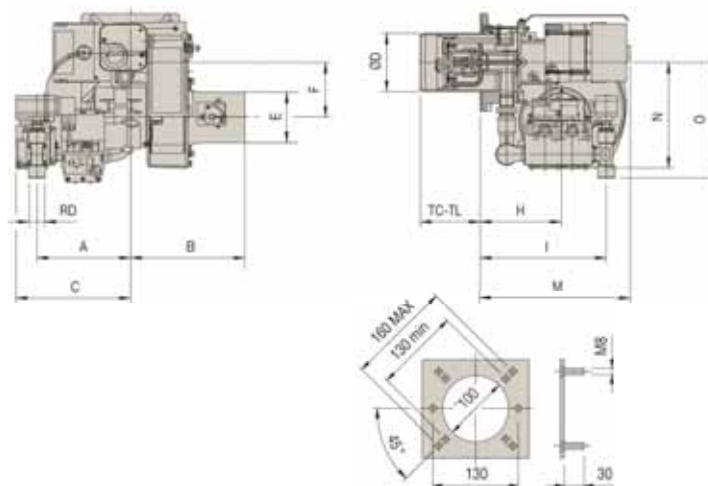
	kcal/h		kW		
	min	max	min	max	
GAS X0 THLS	10.000	29.500	11,6	34,2	1F

CAMPO DI LAVORO / DIMENSIONI (mm) - FIRING RATES / OVERALL DIMENSIONS (mm)

GAS 1/C - GAS 2/C



GAS X0 THLS



MODELLO MODEL

	A	B	C	ØD	E	F	G	H	I	L	M	ØN	O	P	TC	TL	R2	Ø
GAS 1/C	321	166	184	90	43	310	210	75	130	160	130	100	30	M8	85	145	128	1/2"
GAS 2/C	321	166	184	90	43	310	210	75	130	160	130	100	30	M8	85	145	128	1/2"

MODELLO MODEL

	A	B	C	ØD	E	F	H	I	TC	TL	M	N	O	RD
GAS X0 CE THLS - D1/2"	144	169	176	90	80	84	125	193	92	152	230	161	176	1/2"

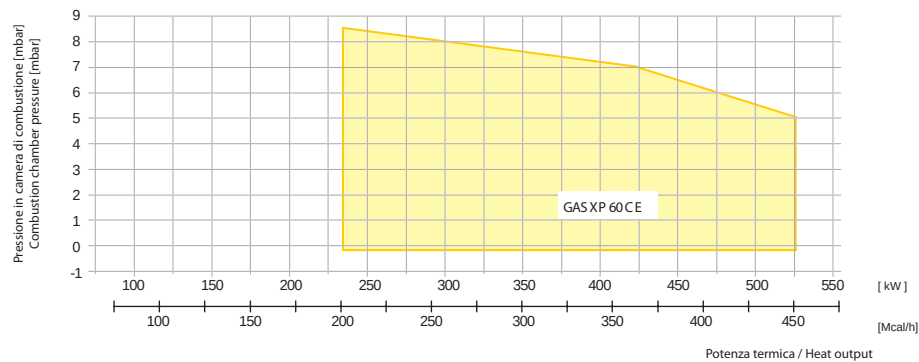
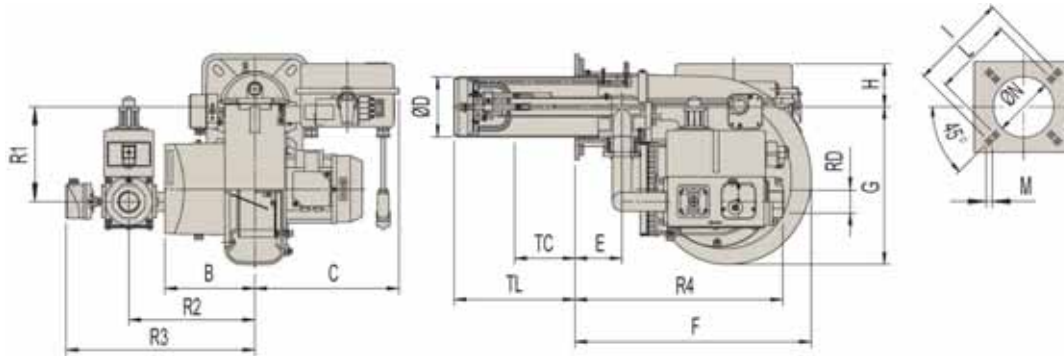


MONOSTADIO 1 STAGE	kcal/h		kW		3F
	min	max	min	max	
GAS XP 60 *	200.000	450.000	232	522	3F

* Disponibili anche in versione Low NOx

* Available also in Low NOx version

CAMPO DI LAVORO / DIMENSIONI (mm) - FIRING RATES / OVERALL DIMENSIONS (mm)



MODELLO MODEL	B	C	ØD	E	F	G	H	I	L	M	ØN	TC	TL	R1	R2	R3	R4	RD
GASP XP 60 CE - D1" - FS32	188	301	150	98	493	327	90	226	205	10	160	250	335	171	280	378	354	1"
GAS XP 60 CE - D1" 1/2 - FS40	188	301	150	98	493	327	90	226	205	10	160	250	335	203	280	420	456	1" 1/2
GAS XP 60 CE - D1" 1/2 - FS50	188	301	150	98	493	327	90	226	205	10	160	250	335	203	280	420	456	1" 1/2

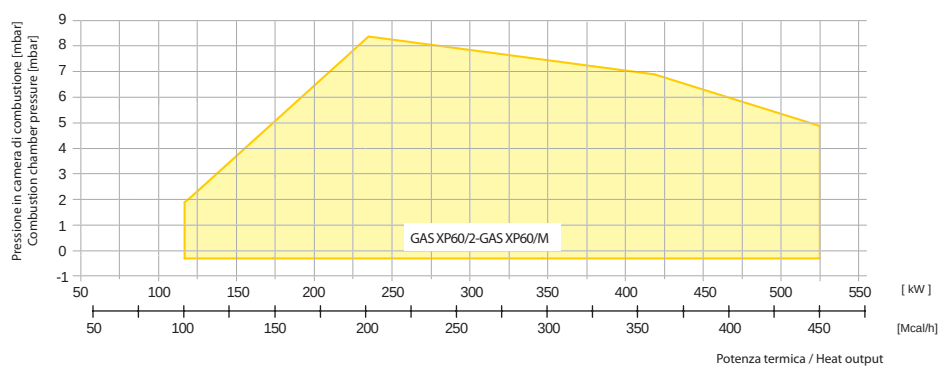
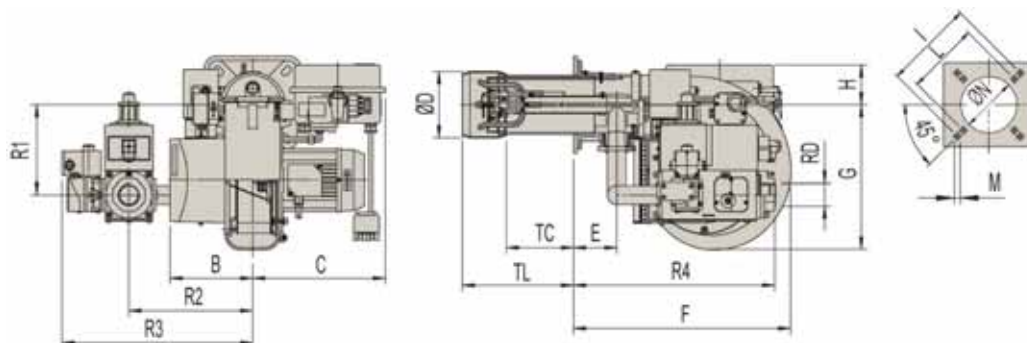


BISTADIO 2 STAGES	PROGRESSIVI & MODULANTI PROGRESSIVE & MODULATING	kcal/h		kW		
		min	max	min	max	
GAS XP 60/2 *	GAS XP 60/M *	200.000	450.000	232	522	3F

* Disponibili anche in versione Low NOx

* Available also in Low NOx version

CAMPO DI LAVORO / DIMENSIONI (mm) - FIRING RATES / OVERALL DIMENSIONS (mm)

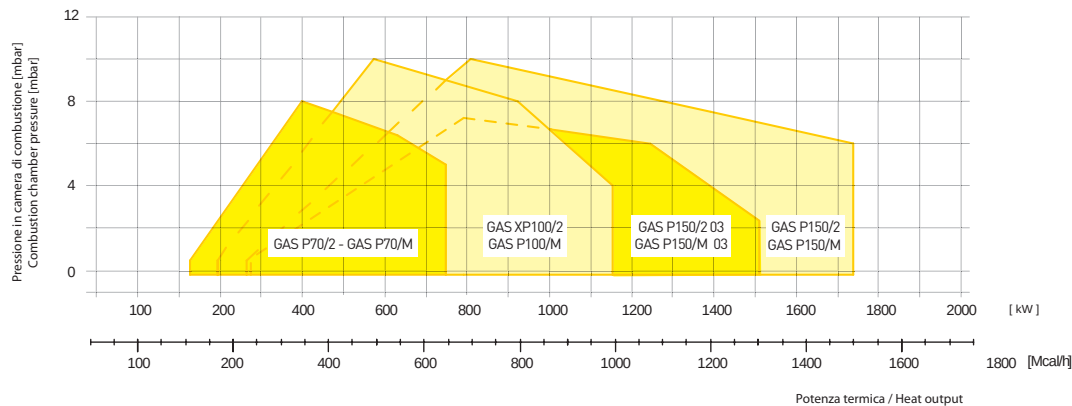
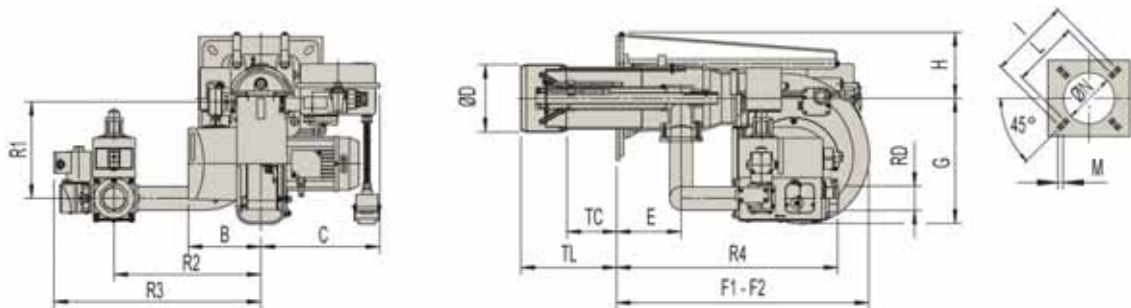


MODELLO MODEL	B	C	ØD	E	F	G	H	I	L	M	ØN	TC	TL	R1	R2	R3	R4	RD
GASP XP 60/2 CE - D1" - FS32	188	301	150	98	493	327	90	226	205	10	160	250	335	171	280	411	354	1"
GAS XP 60/2 CE - D1" 1/2 - FS40	188	301	150	98	493	327	90	226	205	10	160	250	335	203	280	432	456	1" 1/2
GAS XP 60/2 CE - D1" 1/2 - FS50	188	301	150	98	493	327	90	226	205	10	160	250	335	203	280	432	456	1" 1/2
GASP XP 60/M CE - D1" - FS32	331	301	150	98	493	327	90	226	205	10	160	250	335	203	411	508	390	1"
GAS XP 60/M CE - D1" 1/2 - FS40	331	301	150	98	493	327	90	226	205	10	160	250	335	203	411	550	468	1" 1/2
GAS XP 60/M CE - D1" 1/2 - FS50	331	301	150	98	493	327	90	226	205	10	160	250	335	203	411	550	468	1" 1/2



BISTADIO 2 STAGES	PROGRESSIVI & MODULANTI PROGRESSIVE & MODULATING	kcal/h		kW		
		min	max	min	max	
GAS P 70/2	GAS P 70/M	350.000	650.000	406	754	3F
GAS P 100/2	GAS P 100/M	500.000	1.000.000	580	1160	
GAS P 150/2	GAS P 150/M	700.000	1.500.000	814	1744	

CAMPO DI LAVORO / DIMENSIONI (mm) - FIRING RATES / OVERALL DIMENSIONS (mm)



MODELLO MODEL	B	C	ØD	E	F1	F2	G	H	I	L	M	ØN	TC	TL	R1	R2	R3	R4	RD
GAS P 70/2 CE - D1" 1/2 - FS50	188	308	175	168	660	1100	327	171	368	340	12	185	250	385	260	380	532	576	1" 1/2
GAS P 70/2 CE - D2" - FS50	188	308	175	168	660	1100	327	171	368	340	12	185	250	385	260	380	536	576	2"
GAS P 100/2 CE - D1" 1/2 - FS50	238	373	185	184	660	1160	438	173	368	340	12	195	250	385	260	380	532	591	1" 1/2
GAS P 100/2 CE - D2" - FS50	238	373	185	184	660	1160	438	173	368	340	12	195	250	385	260	380	536	591	2"
GAS P 100/2 CE - DN65 - FS65	238	373	185	184	660	1160	438	173	368	340	12	195	250	385	260	380	540	630	DN65
GAS P 150/2 CE - D2" - FS50	238	376	210	193	800	1380	438	213	368	340	14	220	280	400	284	380	552	600	2"
GAS P 150/2 CE - DN65 - FS65	238	376	210	193	800	1380	438	213	368	340	14	220	280	400	228	340	495	585	DN65
GAS P 150/2 CE - DN80-FS80	238	376	210	193	800	1380	438	213	368	340	14	220	280	400	228	420	590	605	DN80
GAS P 70/M CE - D1" 1/2 - FS50	331	362	175	168	660	1100	327	171	368	340	12	185	250	385	260	415	553	538	1" 1/2
GAS P 70/M CE - D2" - FS50	331	362	175	168	660	1100	327	171	368	340	12	185	250	385	260	415	553	538	2"
GAS P 100/M CE - D1" 1/2 - FS50	376	373	185	184	660	1160	438	173	368	340	12	195	250	385	260	460	600	554	1" 1/2
GAS P 100/M CE - D2" - FS50	376	373	185	184	660	1160	438	173	368	340	12	195	250	385	260	460	600	554	2"
GAS P 100/M CE - DN65 - FS65	376	373	185	184	660	1160	438	173	368	340	12	195	250	385	260	500	592	580	DN65
GAS P 150/M CE - D2" - FS50	376	376	210	193	800	1380	438	213	368	340	14	220	280	400	228	510	673	552	2"
GAS P 150/M CE - DN65 - FS65	376	376	210	193	800	1380	438	213	368	340	14	220	280	400	228	510	665	590	DN65
GAS P 150/M CE - DN80-FS80	376	376	210	193	800	1380	438	213	368	340	14	220	280	400	228	550	720	630	DN80

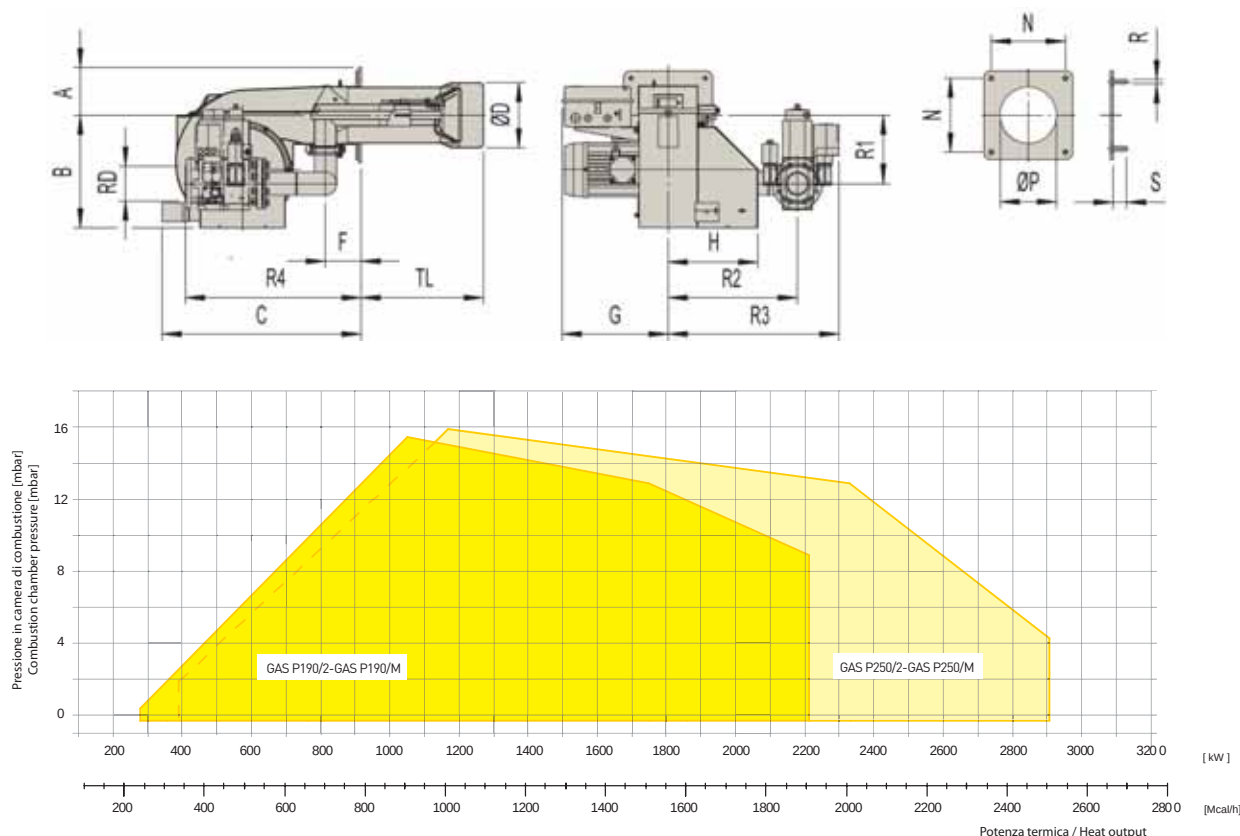


BISTADIO 2 STAGES	PROGRESSIVI & MODULANTI PROGRESSIVE & MODULATING	kcal/h		kW		3F
		min	max	min	max	
GAS P 190/2	GAS P 190/M **	900.000	1.900.000	1044	2209	
GAS P 250/2	GAS P 250/M **	1.000.000	2.500.000	1160	2900	

** Fornibili anche in versioni speciali con INVERTER e CAMME ELETTRONICA

** Available also special versions with INVERTER and ELECTRONIC BURNER CONTROL

CAMPO DI LAVORO / DIMENSIONI (mm) - FIRING RATES / OVERALL DIMENSIONS (mm)



MODELLO MODEL	A	B	C	ØD	F	G	H	N	ØP	R	S	TL	R1	R2	R3	R4	RD
GAS P 190/2 CE - D2" - FS50	180	453	806	265	145	430	363	300	280	M14	50	495	275	570	734	656	2"
GAS P 190/2 CE - DN65 - FS65	180	453	806	265	145	430	363	300	280	M14	50	495	275	570	724	688	DN65
GAS P 190/2 CE - DN80 - FS80	180	453	806	265	145	430	363	300	280	M14	50	495	275	570	736	708	DN 80
GAS P 190/2 CE - DN100 - FS100	180	453	806	265	145	430	363	300	280	M14	50	495	275	570	745	748	DN100
GAS P 250/2 CE - D2" - FS50	180	453	806	270	145	430	363	300	280	M14	50	495	275	570	734	656	2"
GAS P 250/2 CE - DN65 - FS65	180	453	806	270	145	430	363	300	280	M14	50	495	275	570	724	688	DN65
GAS P 250/2 CE - DN80 - FS80	180	453	806	270	145	430	363	300	280	M14	50	495	275	570	736	708	DN80
GAS P 250/2 CE - DN100 - FS100	180	453	806	270	145	430	363	300	280	M14	50	495	275	570	745	748	DN100
GAS P 190/M CE - D2" - FS50	180	453	1010	265	145	430	363	300	280	M14	50	495	254	509	672	504	2"
GAS P 190/M CE - DN65 - FS65	180	453	1010	265	145	430	363	300	280	M14	50	495	254	480	634	688	DN65
GAS P 190/M CE - DN80 - FS80	180	453	1010	265	145	430	363	300	280	M14	50	495	254	480	647	708	DN80
GAS P 190/M CE - DN100 - FS100	180	453	1010	265	145	430	363	300	280	M14	50	495	254	480	654	748	DN100
GAS P 250/M CE - D2" - FS50	180	453	1010	270	145	430	363	300	280	M14	50	495	254	509	672	504	2"
GAS P 250/M CE - DN65 - FS65	180	453	1010	270	145	430	363	300	280	M14	50	495	254	480	634	688	DN65
GAS P 250/M CE - DN80 - FS80	180	453	1010	270	145	430	363	300	280	M14	50	495	254	480	647	708	DN80
GAS P 250/M CE - DN100 - FS100	180	453	1010	270	145	430	363	300	280	M14	50	495	254	480	654	748	DN100

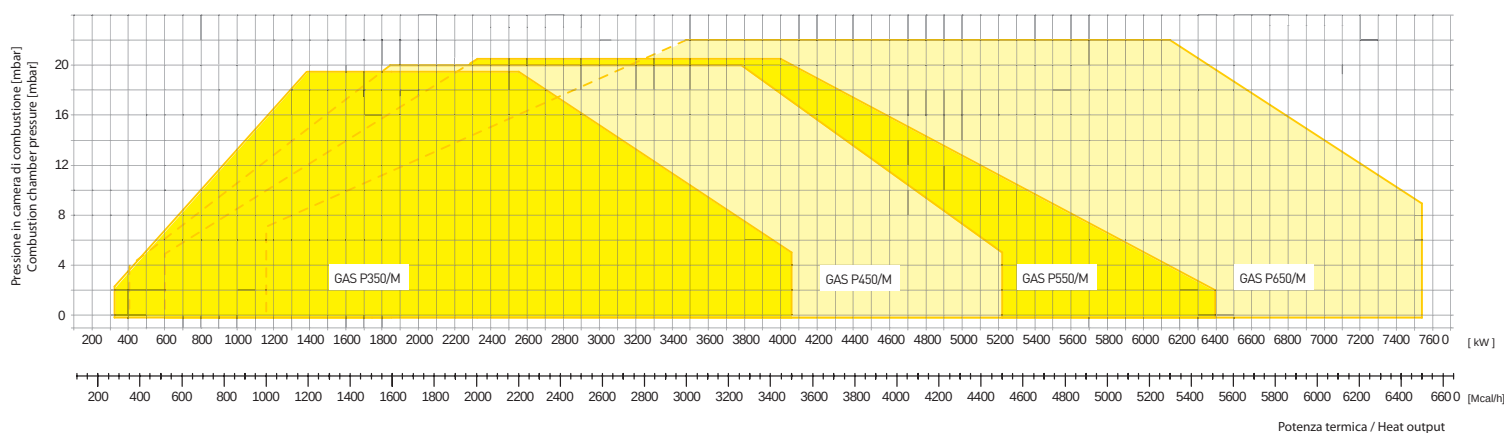
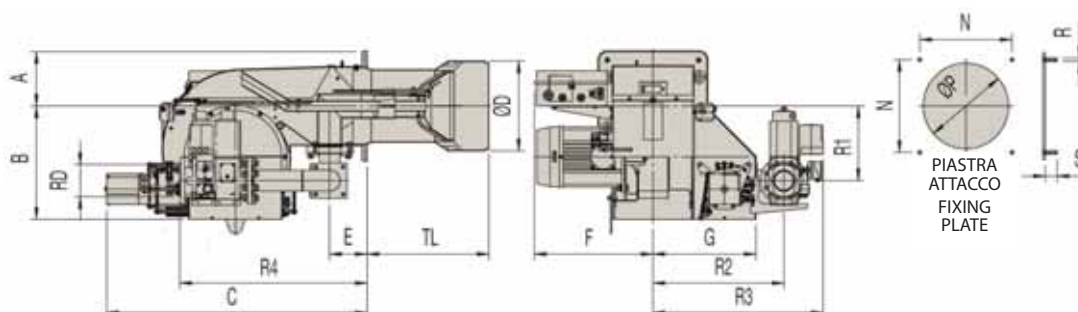


PROGRESSIVI & MODULANTI PROGRESSIVE & MODULATING	kcal/h		kW		
	min	max	min	max	
GAS P 350/M **	1.200.000	3.500.000	1392	4060	3F
GAS P 450/M **	1.600.000	4.500.000	1856	5220	
GAS P 550/M **	2.000.000	5.500.000	2320	6380	
GAS P 650/M **	3.000.000	6.500.000	3488	7558	

** Fornibili anche in versioni speciali con INVERTER e CAMME ELETTRONICA

** Available also special versions with INVERTER and ELECTRONIC BURNER CONTROL

CAMPO DI LAVORO / DIMENSIONI (mm) - FIRING RATES / OVERALL DIMENSIONS (mm)



MODELLO MODEL	A	B	C	ØD	E	F	G	TL	N	ØP	R	S	R1	R2	R3	R4	RD
GAS P 350/M CE - DN65 - FS65	231	481	1118	342	160	507	440	515	390	360	M14	50	317	560	714	780	DN65
GAS P 350/M CE - DN80 - FS80	231	481	1118	342	160	507	440	515	390	360	M14	50	317	560	727	800	DN80
GAS P 350/M CE - DN100 - FS100	231	481	1118	342	160	507	440	515	390	360	M14	50	317	590	765	840	DN100
GAS P 450/M CE - DN65 - FS65	231	481	1118	382	160	507	440	520	390	400	M14	50	317	560	714	780	DN65
GAS P 450/M CE - DN80 - FS80	231	481	1118	382	160	507	440	520	390	400	M14	50	317	560	727	800	DN80
GAS P 450/M CE - DN100 - FS100	231	481	1118	382	160	507	440	520	390	400	M14	50	317	590	765	840	DN100
GAS P 550/M CE - DN65 - FS65	231	481	1118	402	160	616	440	520	390	420	M14	50	317	560	714	780	DN65
GAS P 550/M CE - DN80 - FS80	231	481	1118	402	160	616	440	520	390	420	M14	50	317	560	727	800	DN80
GAS P 550/M CE - DN100 - FS100	231	481	1118	402	160	616	440	520	390	420	M14	50	317	590	765	840	DN100
GAS P 650/M CE - DN65 - FS65	231	481	1118	420	160	641	440	490	390	440	M14	50	317	560	714	780	DN65
GAS P 650/M CE - DN80 - FS80	231	481	1118	420	160	641	440	490	390	440	M14	50	317	560	727	800	DN80
GAS P 650/M CE - DN100 - FS100	231	481	1118	420	160	641	440	490	390	440	M14	50	317	590	765	840	DN100



**BRUCIATORI MISTI
GAS/GASOLIO
GAS/OLIO COMBUSTIBILE KN
DUAL FUEL BURNERS
GAS/LIGHT OIL
GAS/HEAVY OIL KN**



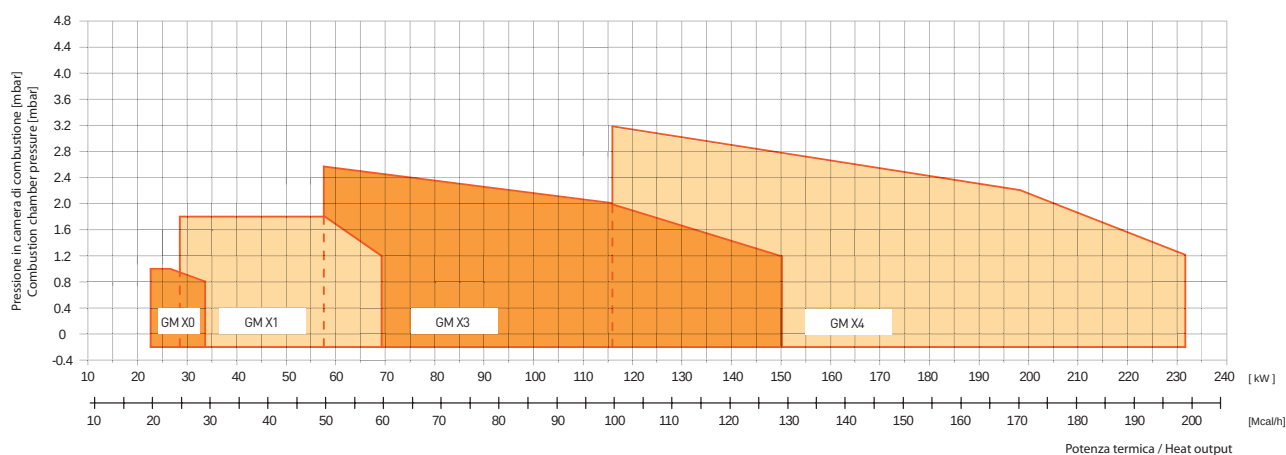
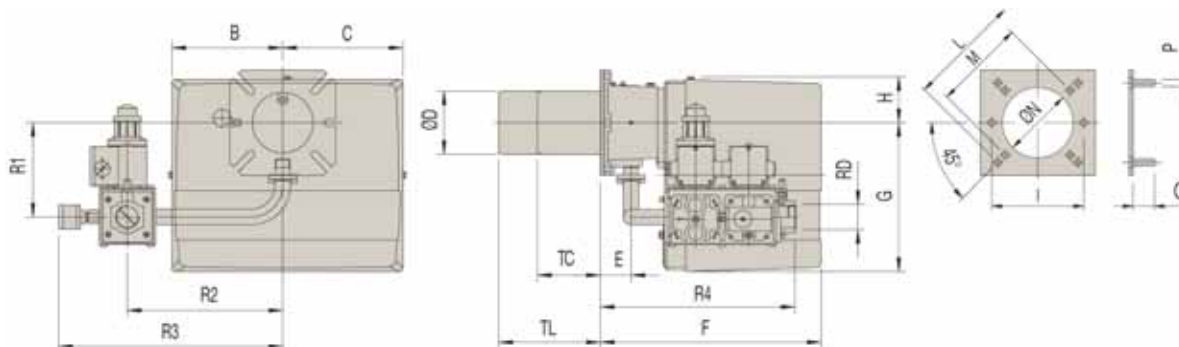
4

Gas/Gasolio - Gas/Light Oil



MONOSTADIO 1 STAGE	kcal/h		kW		1F
	min	max	min	max	
GM X 0	19.500	29.500	22,6	34,2	1F
GM X 1	25.000	60.000	29	70	
GM X 3	50.000	130.000	58	151	
GM X 4	100.000	200.000	116	232	

CAMPO DI LAVORO / DIMENSIONI (mm) - FIRING RATES / OVERALL DIMENSIONS (mm)



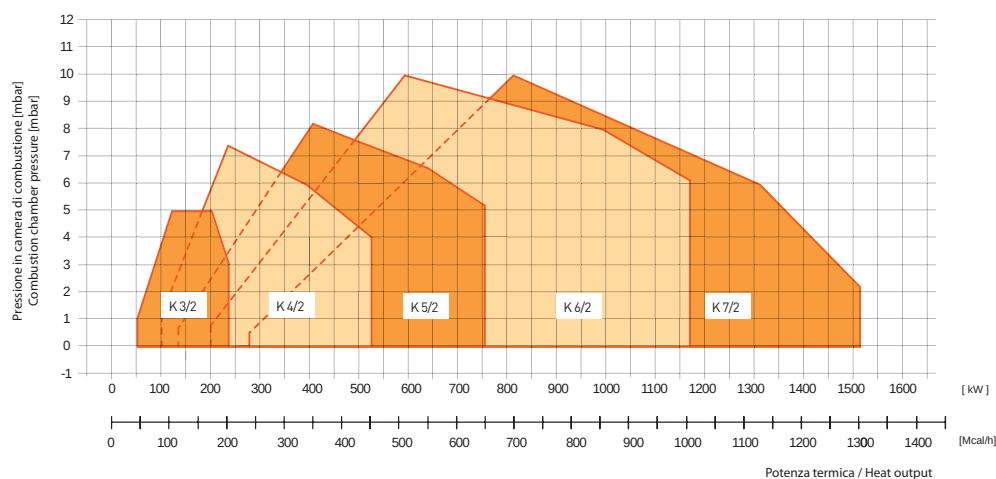
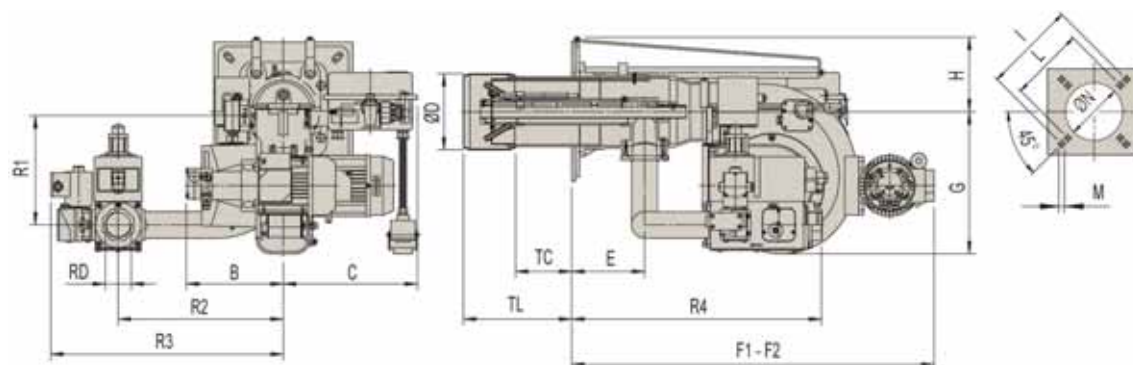
MODELLO MODEL	B	C	ØD	E	F	G	H	I	L	M	ØN	O	P	TC	TL	R1	R2	R3	R3	RD
GM X 0 - D1/2"	168	168	90	45	305	210	65	130	160	130	100	30	M8	85	145	133	200	254	244	1/2"
GM X 1 - D1/2"	168	168	90	45	305	210	65	130	160	130	100	30	M8	85	145	133	200	254	244	1/2"
GM X 1 - D3/4" - FS25	168	168	90	45	305	210	65	130	160	130	100	30	M8	85	145	138	220	318	275	1"
GM X 3 - D1" - FS25	185	195	108	52	340	248	70	160	170	150	120	30	M8	135	255	168	280	378	308	1"
GM X 4 - D1" - FS25	185	195	125	78	368	248	70	-	226	170	135	40	M10	160	280	173	280	378	334	1"

Gas/Gasolio - Gas/Light Oil



BISTADIO 2 STAGES	kcal/h		kW		
	min	max	min	max	
K 3/2	100.000	200.000	116	232	1F
K 4/2	200.000	450.000	232	523	3F
K 5/2	350.000	650.000	407	754	
K 6/2	500.000	1.000.000	581	1163	
K 7/2	700.000	1.300.000	812	1508	

CAMPO DI LAVORO / DIMENSIONI (mm) - FIRING RATES / OVERALL DIMENSIONS (mm)



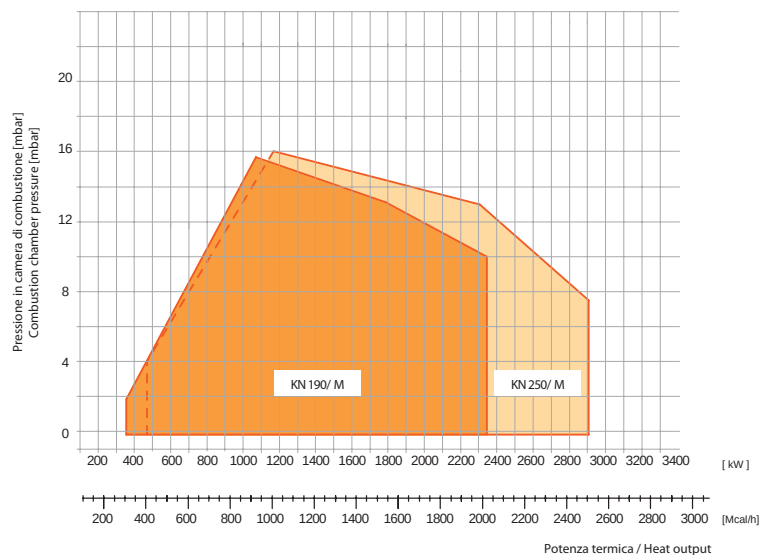
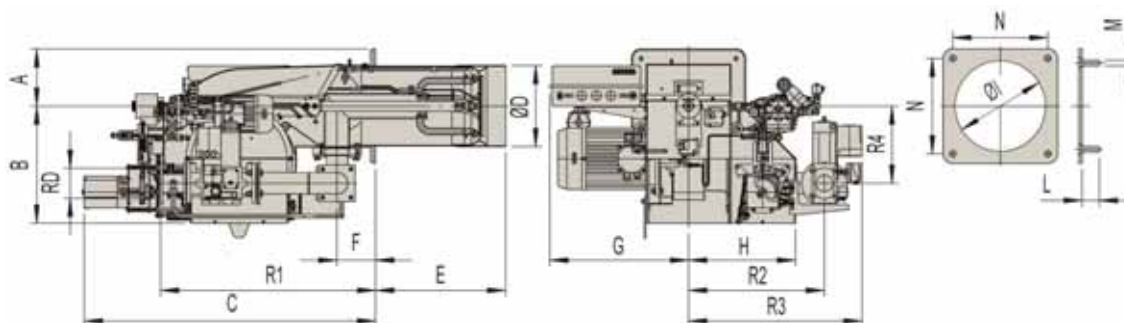
MODELLO MODEL	B	C	ØD	E	F1	F2	G	H	I	L	M	ØN	TC	TL	R1	R2	R3	R4	RD
K 3/2 - D1" - FS32	188	306	135	98	493	-	327	110	226	205	10	145	250	350	171	280	411	354	1"
K 4/2 - D1" 1/2 - FS40	188	336	150	98	493	-	327	110	226	205	10	160	250	350	203	280	432	456	1" 1/2
K 5/2 - D1" 1/2 - FS40	236	365	165	168	840	1280	327	171	368	340	12	180	250	315	260	380	536	576	1" 1/2
K 5/2 - D2" - FS50	236	365	165	168	840	1280	327	171	368	340	12	180	250	315	260	380	536	576	2"
K 6/2 - D2" - FS50	238	393	210	193	980	1560	438	213	368	340	14	220	280	400	283	380	552	615	2"
K 6/2 - DN65 - FS65	238	393	210	193	980	1560	438	213	368	340	14	220	280	400	228	340	495	585	DN65
K 7/2 - D2" - FS50	238	393	210	193	980	1560	438	213	368	340	14	220	280	400	283	380	552	615	2"
K 7/2 - DN65 - FS65	238	393	210	193	980	1560	438	213	368	340	14	220	280	400	228	340	495	585	DN65
K 7/2 - DN80 - FS80	238	393	210	193	980	1560	438	213	368	340	14	220	280	400	228	420	590	605	DN80

Gas/Gasolio - Gas/Light Oil



PROGRESSIVI & MODULANTI PROGRESSIVE & MODULATING	kcal/h		kW		3F
	min	max	min	max	
K 190/M	900.000	2.019.000	1044	2341	3F
K 250/M	900.000	2.400.000	1044	2790	

CAMPO DI LAVORO / DIMENSIONI (mm) - FIRING RATES / OVERALL DIMENSIONS (mm)



MODELLO MODEL

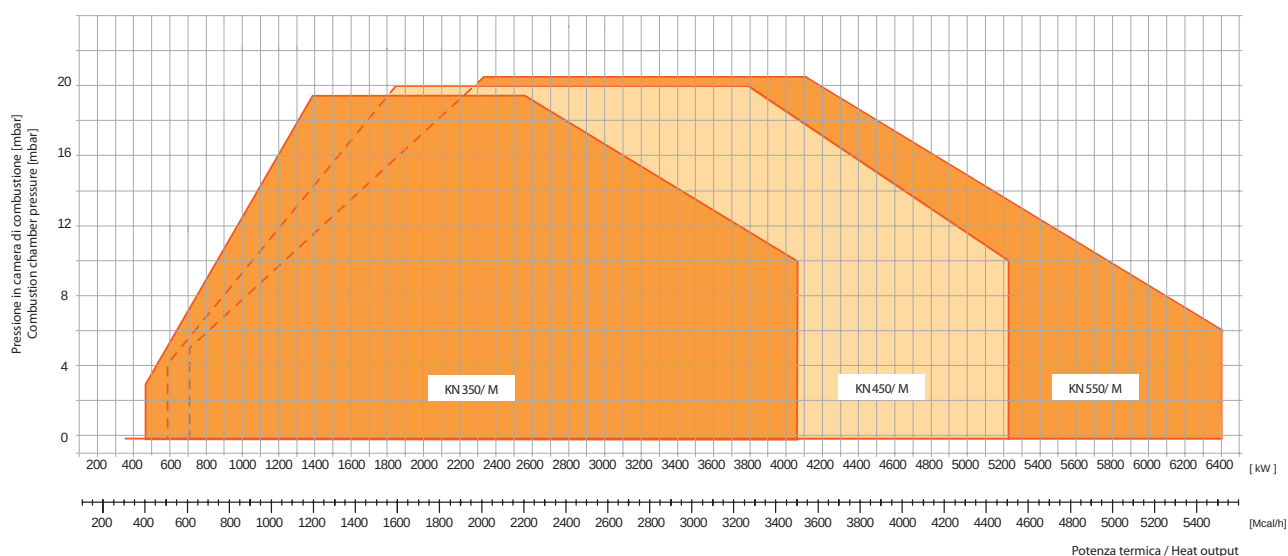
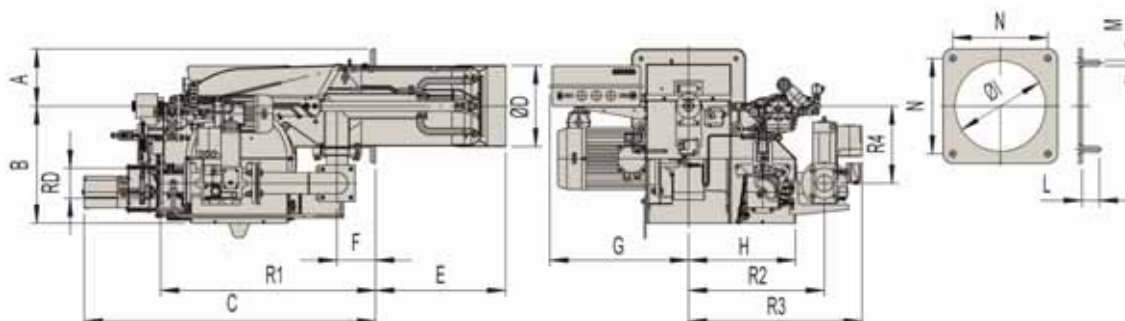
	A	B	C	ØD	E	F	G	H	ØI	L	M	N	R1	R2	R3	R4	RD
K 190/M - D2" - FS50	180	453	1100	265	481	145	463	363	280	50	M14	300	254	509	672	504	2"
K 190/M - DN65 - FS65	180	453	1100	265	481	145	463	363	280	50	M14	300	254	480	634	688	DN65
K 190/M - DN80 - FS80	180	453	1100	265	481	145	463	363	280	50	M14	300	254	480	647	708	DN80
K 190/M - DN100 - FS100	180	453	1100	265	481	145	463	363	280	50	M14	300	254	480	654	748	DN100
K 250/M - D2" - FS50	180	453	1100	265	481	145	463	363	280	50	M14	300	254	509	672	504	2"
K 250/M - DN65 - FS65	180	453	1100	265	481	145	463	363	280	50	M14	300	254	480	634	688	DN65
K 250/M - DN80 - FS80	180	453	1100	265	481	145	463	363	280	50	M14	300	254	480	647	708	DN80
K 250/M - DN100 - FS100	180	453	1100	265	481	145	463	363	280	50	M14	300	254	480	654	748	DN100

Gas/Gasolio - Gas/Light Oil



PROGRESSIVI & MODULANTI PROGRESSIVE & MODULATING	kcal/h		kW		
	min	max	min	max	
K 350/M	1.200.000	3.500.000	1390	4060	
K 450/M	1.600.000	4.500.000	1850	5220	
K 550/M	2.000.000	5.500.000	2325	6380	

CAMPO DI LAVORO / DIMENSIONI (mm) - FIRING RATES / OVERALL DIMENSIONS (mm)



MODELLO MODEL

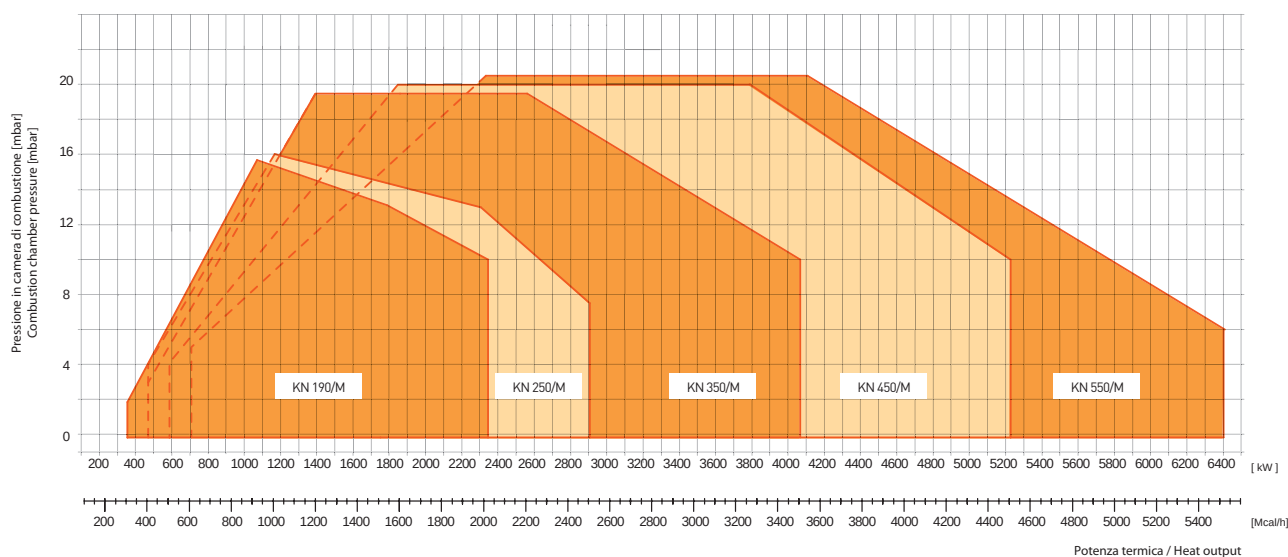
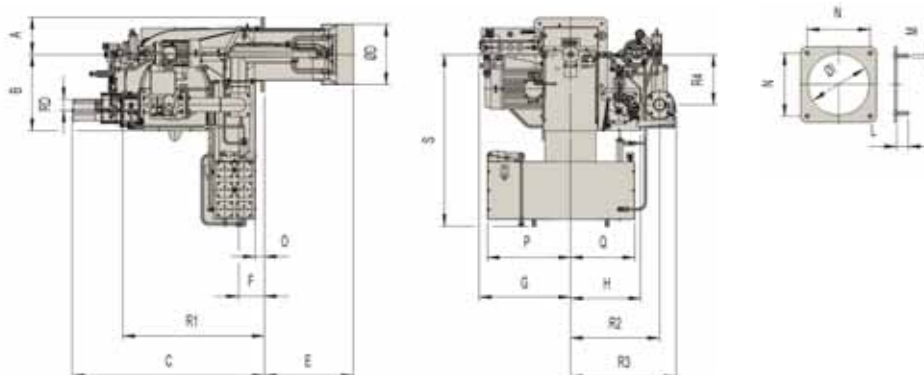
	A	B	C	ØD	E	F	G	H	ØI	L	M	N	R1	R2	R3	R4	RD
K 350/M - DN65 - FS65	231	481	1206	334	535	160	570	440	355	50	M14	390	780	560	715	317	DN65
K 350/M - DN80 - FS80	231	481	1206	334	535	160	570	440	355	50	M14	390	800	560	730	317	DN80
K 350/M - DN100 - FS100	231	481	1206	334	535	160	570	440	355	50	M14	390	840	590	765	317	DN100
K 450/M - DN65 - FS65	231	481	1206	380	560	160	570	440	400	50	M14	390	780	560	715	317	DN65
K 450/M - DN80 - FS80	231	481	1206	380	560	160	570	440	400	50	M14	390	800	560	730	317	DN80
K 450/M - DN100 - FS100	231	481	1206	380	560	160	570	440	400	50	M14	390	840	590	765	317	DN100
K 550/M - DN65 - FS65	231	481	1206	380	560	160	616	440	400	50	M14	390	780	560	715	317	DN65
K 550/M - DN80 - FS80	231	481	1206	380	560	160	616	440	400	50	M14	390	800	560	730	317	DN80
K 550/M - DN100 - FS100	231	481	1206	380	560	160	616	440	400	50	M14	390	840	590	765	317	DN100

Gas/Olio Combustibile - Gas/Heavy Oil



PROGRESSIVI & MODULANTI PROGRESSIVE & MODULATING	kcal/h		kW		
	min	max	min	max	
KN 190/M	900.000	2.019.000	1044	2341	3F
KN 250/M	1.000.000	2.500.000	1160	2900	
KN 350/M	1.200.000	3.500.000	1390	4060	
KN 450/M	1.600.000	4.500.000	1850	5220	
KN 550/M	2.000.000	5.500.000	2325	6380	

CAMPO DI LAVORO / DIMENSIONI (mm) - FIRING RATES / OVERALL DIMENSIONS (mm)



MODELLO MODEL

	A	B	C	ØD	E	F	G	H	ØI	L	M	N	O	P	Q	S	R1	R2	R3	R4	RD
KN 190/M - D2" - FS50	180	453	1100	265	480	145	520	363	280	50	M14	300	93	403	403	790	504	509	650	260	2"
KN 190/M - DN65 - FS65	180	453	1100	265	480	145	520	363	280	50	M14	300	93	403	403	790	800	480	583	260	DN65
KN 190/M - DN80 - FS80	180	453	1100	265	480	145	520	363	280	50	M14	300	93	403	403	790	820	480	590	260	DN80
KN 190/M - DN100 - FS100	180	453	1100	265	480	145	520	363	280	50	M14	300	93	403	403	790	860	480	595	260	DN100
KN 250/M - D2" - FS50	180	453	1100	265	480	145	520	363	280	50	M14	300	93	403	403	790	504	509	650	260	2"
KN 250/M - DN65 - FS65	180	453	1100	265	480	145	520	363	280	50	M14	300	93	403	403	790	800	480	583	260	DN65
KN 250/M - DN80 - FS80	180	453	1100	265	480	145	520	363	280	50	M14	300	93	403	403	790	820	480	590	260	DN80
KN 250/M - DN100 - FS100	180	453	1100	265	480	145	520	363	280	50	M14	300	93	403	403	790	860	480	595	260	DN100
KN 350/M - DN65 - FS65	235	481	1206	334	535	160	575	440	355	50	M14	390	57	523	405	933	890	560	665	317	DN65
KN 350/M - DN80 - FS80	235	481	1206	334	535	160	575	440	355	50	M14	390	57	523	405	933	910	560	680	317	DN80
KN 350/M - DN100 - FS100	235	481	1206	334	535	160	575	440	355	50	M14	390	57	523	405	933	950	590	715	317	DN100
KN 450/M - DN65 - FS65	235	481	1206	380	560	160	575	440	400	50	M14	390	57	523	405	1085	890	560	665	317	DN65
KN 450/M - DN80 - FS80	235	481	1206	380	560	160	575	440	400	50	M14	390	57	523	405	1085	910	560	680	317	DN80
KN 450/M - DN100 - FS100	235	481	1206	380	560	160	575	440	400	50	M14	390	57	523	405	1085	950	590	715	317	DN100
KN 550/M - DN65 - FS65	235	481	1206	380	560	160	575	440	400	50	M14	390	57	523	405	1085	890	560	665	317	DN65
KN 550/M - DN80 - FS80	235	481	1206	380	560	160	575	440	400	50	M14	390	57	523	405	1085	910	560	680	317	DN80
KN 550/M - DN100 - FS100	235	481	1206	380	560	160	575	440	400	50	M14	390	57	523	405	1085	950	590	715	317	DN100

A close-up, grayscale photograph of industrial burner components. The image shows a central circular area with several small, dark, circular ports or nozzles. This central area is surrounded by a series of curved, rib-like structures that radiate outwards, resembling the blades of a fan or the segments of a turbine. The lighting creates strong highlights and shadows, emphasizing the metallic texture and the geometric forms of the components.

BRUCIATORI INDUSTRIALI
INDUSTRIAL BURNERS



BRUCIATORI DI GAS / GAS BURNERS



BRUCIATORI DI GAS GAS BURNERS	kcal/h 		kW		
	min	max	min	max	
HI-GAS P190/M CE TL	900.000	1.900.000	1044	2204	3F
HI-GAS P250/M CE TL	1.000.000	2.500.000	1160	2900	
HI-GAS P350/M CE TL	1.200.000	3.500.000	1390	4060	
HI-GAS P450/M CE TL	1.600.000	4.500.000	1850	5220	
HI-GAS P550/M CE TL	2.000.000	5.500.000	2325	6380	
HI-GAS P650/M CE TL	3.000.000	6.500.000	3488	7558	



BRUCIATORI DI GASOLIO / LIGHT OIL BURNERS

BRUCIATORI DI GASOLIO LIGHT OIL BURNERS	kg/h 		kW		
	min	max	min	max	
HI-FGP 190/M CE TL	60	206	700	2390	3F
HI-FGP 250/M CE TL	80	250	930	2900	
HI-FGP 350/M CE TL	120	350	1392	4060	
HI-FGP 450/M CE TL	160	450	1856	5220	
HI-FGP 550/M CE TL	200	550	2320	6380	

BRUCIATORI DI OLIO COMBUSTIBILE / HEAVY OIL BURNERS

BRUCIATORI DI OLIO COMBUSTIBILE HEAVY OIL BURNERS	kg/h 		kW		
	min	max	min	max	
HI-FNDP 190/M CE TL	80	206	928	2341	3F
HI-FNDP 250/M CE TL	100	250	1160	2842	
HI-FNDP 350/M CE TL	120	350	1364	3979	
HI-FNDP 450/M CE TL	160	450	1819	5116	
HI-FNDP 550/M CE TL	200	550	2274	6252	



BRUCIATORI MISTI GAS/GASOLIO / DUAL FUEL BURNERS GAS/LIGHT OIL

BRUCIATORI MISTI GAS/GASOLIO DUAL FUEL BURNERS GAS/LIGHT OIL	kcal/h 		kW		
	min	max	min	max	
HI-K 190/M TL	900.000	2.019.000	1044	2341	3F
HI-K 250/M TL	900.000	2.400.000	1044	2790	
HI-K 350/M TL	1.200.000	3.500.000	1392	4060	
HI-K 450/M TL	1.600.000	4.500.000	1856	5220	
HI-K 550/M TL	2.000.000	5.500.000	2320	6380	

Le illustrazioni e i dati riportati sono indicativi. Essendo F.B.R. Bruciatori S.r.l. costantemente impegnata nel continuo perfezionamento di tutta la produzione, si riserva il diritto di apportare, senza obbligo di preavviso, tutte le modifiche che riterrà più opportune, per l'evoluzione dei propri prodotti.

The illustrations and data here shown are indicative. Being constantly involved in the continuous improvement of the whole production range, F.B.R. Bruciatori S.r.l. reserves the right to bring, without any obligation of warning, any changes that would be appropriate to the continuing development of their products.



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