

## TECHNICAL DATA

# Series NG fully automatic gas burners Models NG35/NG40/NG45/NG55/NG60/ NG65/NG75/NG80/NG85/NG100

### BURNER CAPACITY

#### NG35

513kW to 938kW.

1,750,000 to 3,200,000 Btu/h.

#### NG100

2,344kW to 2,930kW

8,000,000 to 10,000,000 Btu/h.

Developed from field experience in the UK and overseas markets, the NG series sets new standards in efficient and reliable operation. Developed to current and future test authority requirements in UK and overseas markets. Delivered ready to install with pre-wired packaged control system and simple plug in gas train arrangements.

### AIR REGULATION

Air for combustion can be adjusted to give maximum efficiency. A fully closing air control is fitted as standard on the two stage (High/Low) burner, and is an optional extra on the single stage (on/off) burner (NG35 only).

### CONTROLS

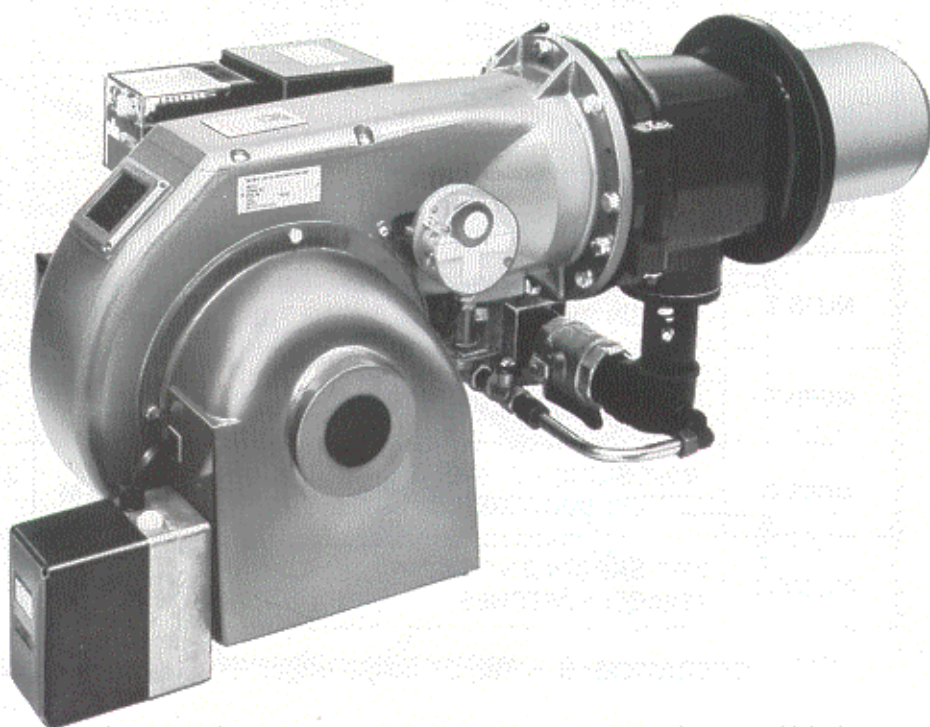
Flame supervision is by Ultra Violet (UV) cell and automatic sequence control.

### OPERATION

Two stage (High/Low) and modulating operation. NG35 also offered for single stage (on/off) operation.

### FUEL

Natural Gas. Special requirements on request i.e. Liquid Petroleum Gas/Town Gas.



### GAS SUPPLY SYSTEM

Gas valve train with integral governor, plug and socket for easy installation and service; system check or proving system when fitted.

### OPTIONAL EXTRAS

- Air Inlet Silencer.
- Fully Closing Air Damper (NG35 Single Stage).
- Separate AOTC Panel (steam boiler applications).





Burner Model	Gas Line	Control
NG35-S	2" MVD x 2" SKP20 CPI SWITCHES	LFM 1.45 MMI 810
NG35-T	2" MVD x 2" SKP70 CPI SWITCHES	LFL 1.335 TMG 740
NG40-T	2" MVD x 2" SKP70 CPI SWITCHES	LFL 1.335 TMG 740
NG45-T	2" MVD x 2" SKP70 CPI SWITCHES	LFL 1.335 TMG 740
NG55-T	2" MVD x 2" SKP70 CPI SWITCHES	LFL 1.335 TMG 740
NG60-T	2" MVD x 2" SKP70 CPI SWITCHES	LFL 1.335 TMG 740
NG65-T	2" MVD x 2" SKP70 CPI SWITCHES	LFL 1.335 TMG 740
NG75-T	2½" SKP10 x 2" SKP70 CPI SWITCHES	LFL 1.335 TMG 740
NG80-T	2½" SKP10 x 2" SKP70 CPI SWITCHES	LFL 1.335 TMG 740
NG85-T	2½" SKP10 x 2" SKP70 CPI SWITCHES	LFL 1.335 TMG 740
NG100-T	2½" SKP10 x 2½" SKP70 CPI SWITCHES	LFL 1.335 TMG 740

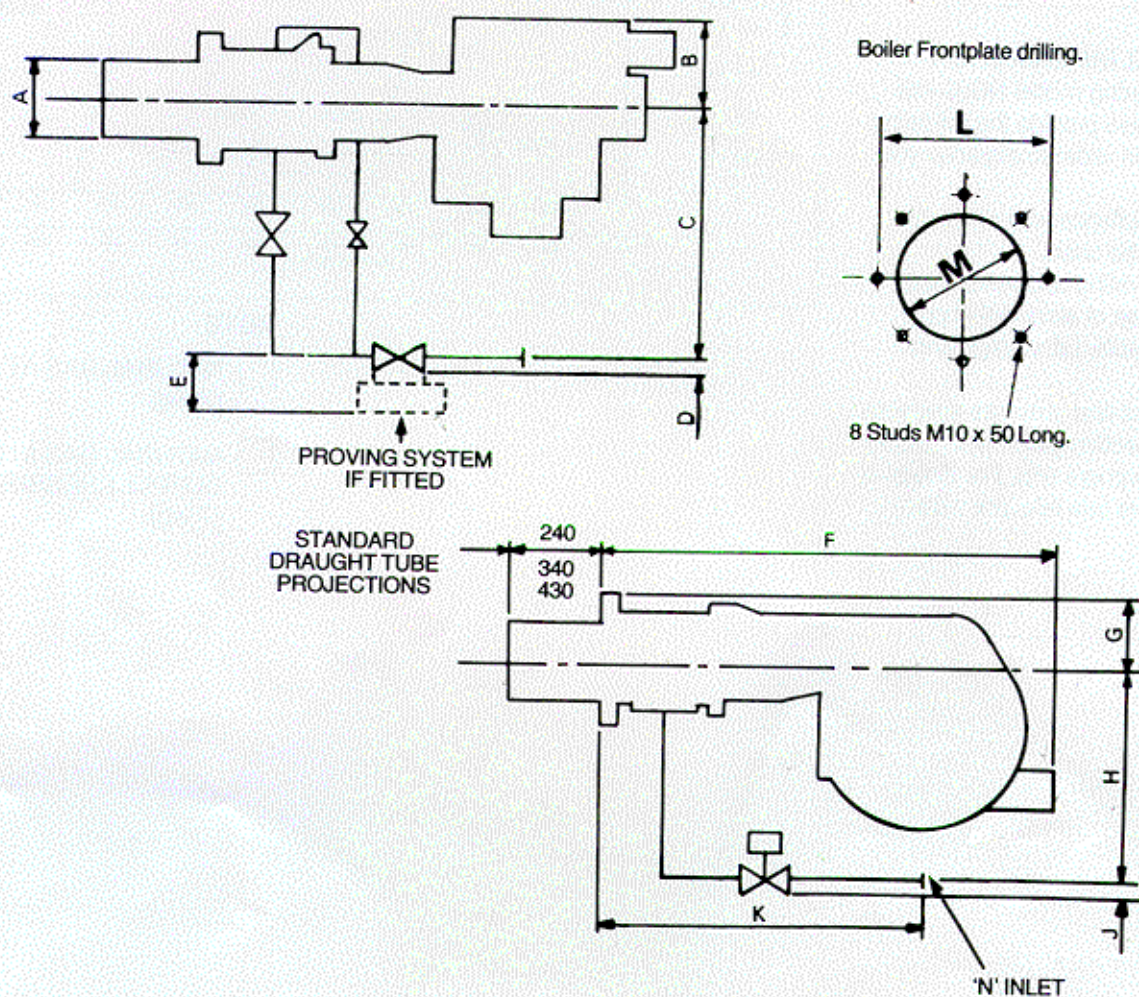
Burner Model	Gas Line	Control
NG35-M	2" MVD x 2" SKP70 CPI SWITCHES	LFL 1.335
NG40-M	2" MVD x 2" SKP70 CPI SWITCHES	LFL 1.335
NG45-M	2" MVD x 2" SKP70 CPI SWITCHES	LFL 1.335
NG55-M	2" MVD x 2" SKP70 CPI SWITCHES	LFL 1.335
NG60-M	2" MVD x 2" SKP70 CPI SWITCHES	LFL 1.335
NG65-M	2" MVD x 2" SKP70 CPI SWITCHES	LFL 1.335
NG75-M	2½" SKP10 x 2" SKP70 CPI SWITCHES	LFL 1.335
NG80-M	2½" SKP10 x 2" SKP70 CPI SWITCHES	LFL 1.335
NG85-M	2½" SKP10 x 2" SKP70 CPI SWITCHES	LFL 1.335
NG100-M	2½" SKP10 x 2½" SKP70 CPI SWITCHES	LFL 1.335

OPERATION: S = On/Off (single stage). T = High/Low (two stage). M = Modulating.

#### ELECTRICAL DATA

BURNER MODEL	FAN MOTOR		START CURRENT (A/PHASE)	RUN CURRENT (A/PHASE)	CABLE SIZE (MM <sup>2</sup> )	HRC FUSE (A)
	(KW)	(HP)				
NG35	1.1	1.5	15	2.5	1.0	10
NG40	3	4	35	6.1	1.5	20
NG45	2.2	3	25	4.6	1.5	15
NG55	3	4	35	6.1	1.5	20
NG60	4	5.5	45	8.0	2.5	25
NG65	2.2	3	25	4.6	1.5	15
NG75	3	4	35	6.1	1.5	20
NG80	5.5	7.5	40	20.0	2.5	20
NG85	4	5.5	45	8.0	2.5	25
NG100	7.5	10.0	60	25.0	4.0	25

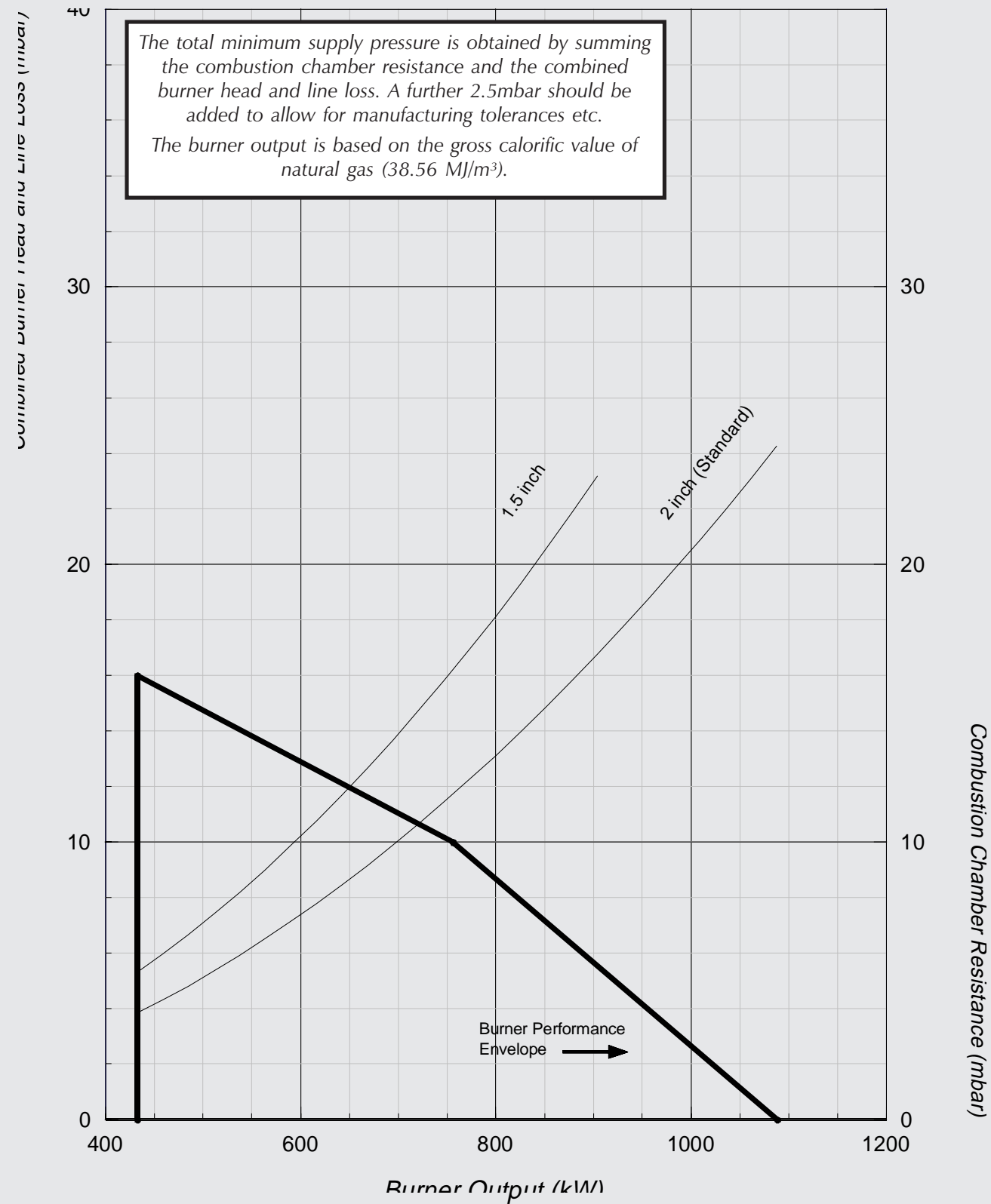




## DIMENSIONS

MODEL	A	B	C	D	E	F	G	H	J	K	L PCD	M	N BSP	WEIGHT KG
NG35	182	220	430	70	270	885	141	300	110	745	254	200	2"	75
NG40	224	260	430	70	270	1183	166	300	110	745	305	234	2"	101
NG45	224	260	430	70	270	1183	166	300	110	745	305	234	2"	101
NG55	224	260	430	70	270	1183	166	300	110	745	305	234	2"	101
NG60	254	260	430	70	270	1115	166	300	110	745	305	265	2"	101
NG65	224	260	430	70	270	1183	166	300	110	745	305	234	2"	101
NG75	254	260	865	100	295	1183	166	354	100	685	305	265	2 1/2"	130
NG80	254	260	865	100	295	1115	166	354	100	685	305	265	2 1/2"	130
NG85	254	260	865	100	295	1183	166	354	100	685	305	265	2 1/2"	130
NG100	254	285	865	100	295	1115	166	354	100	685	305	265	2 1/2"	130

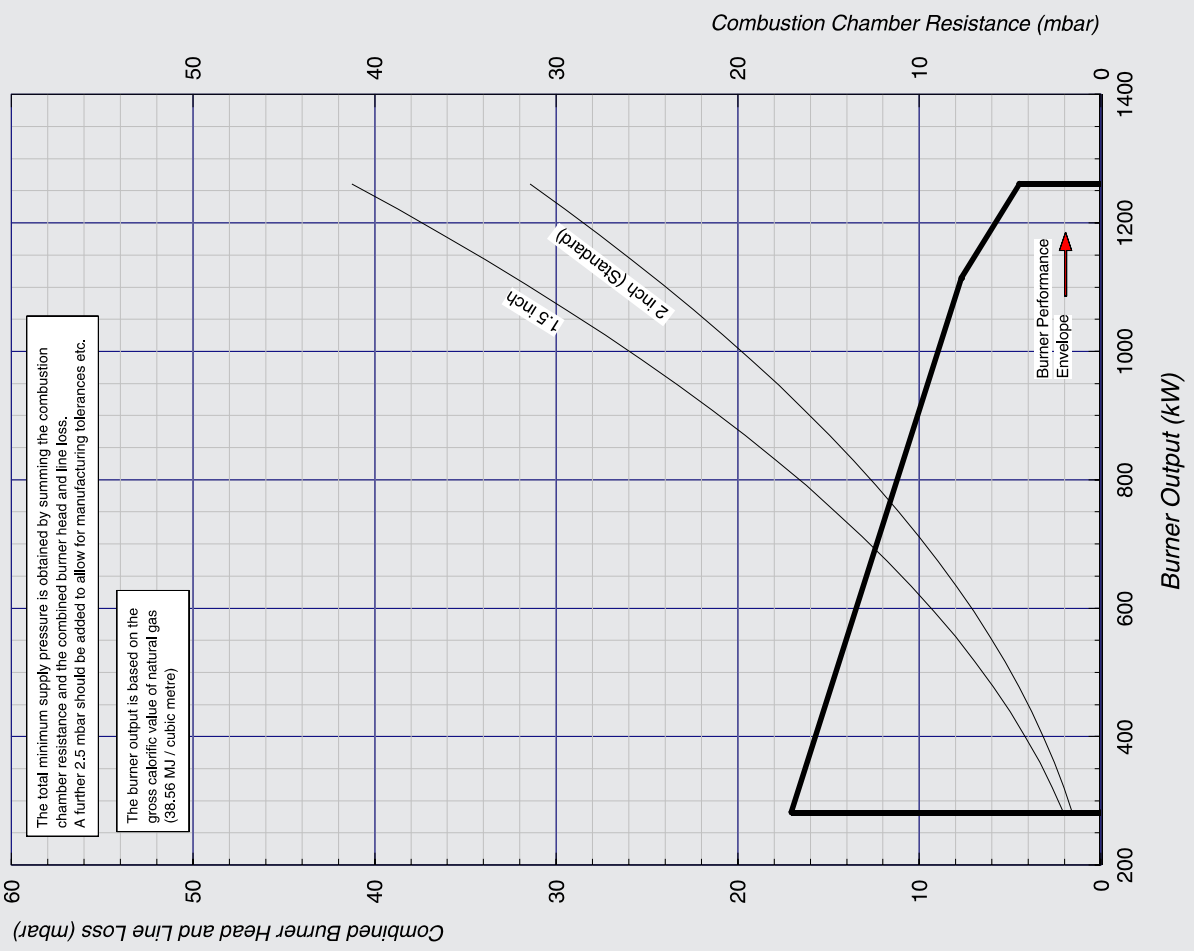
Gas Supply Pressure Graph for NGN35 with Landis & Staefa Control Train



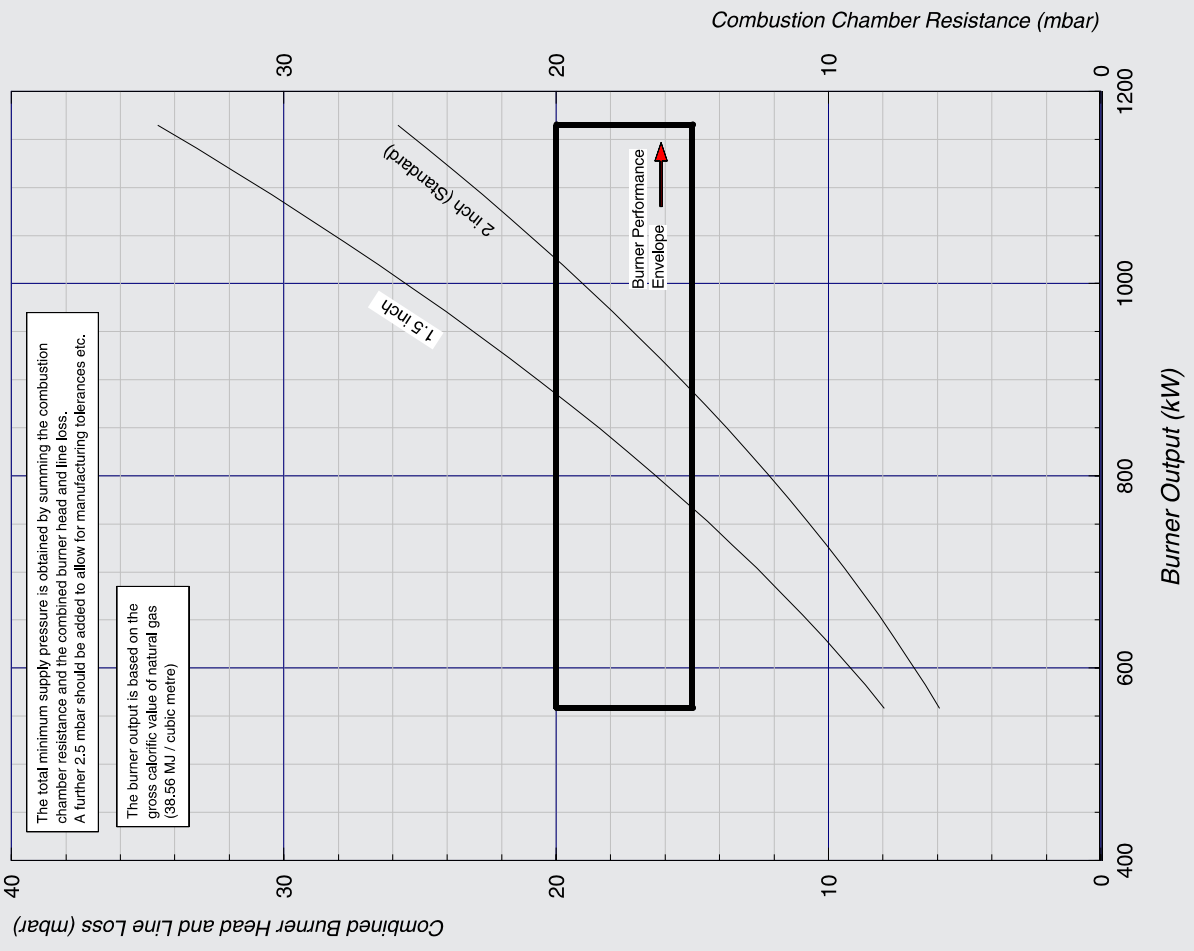


# BURNER PERFORMANCE CHARTS

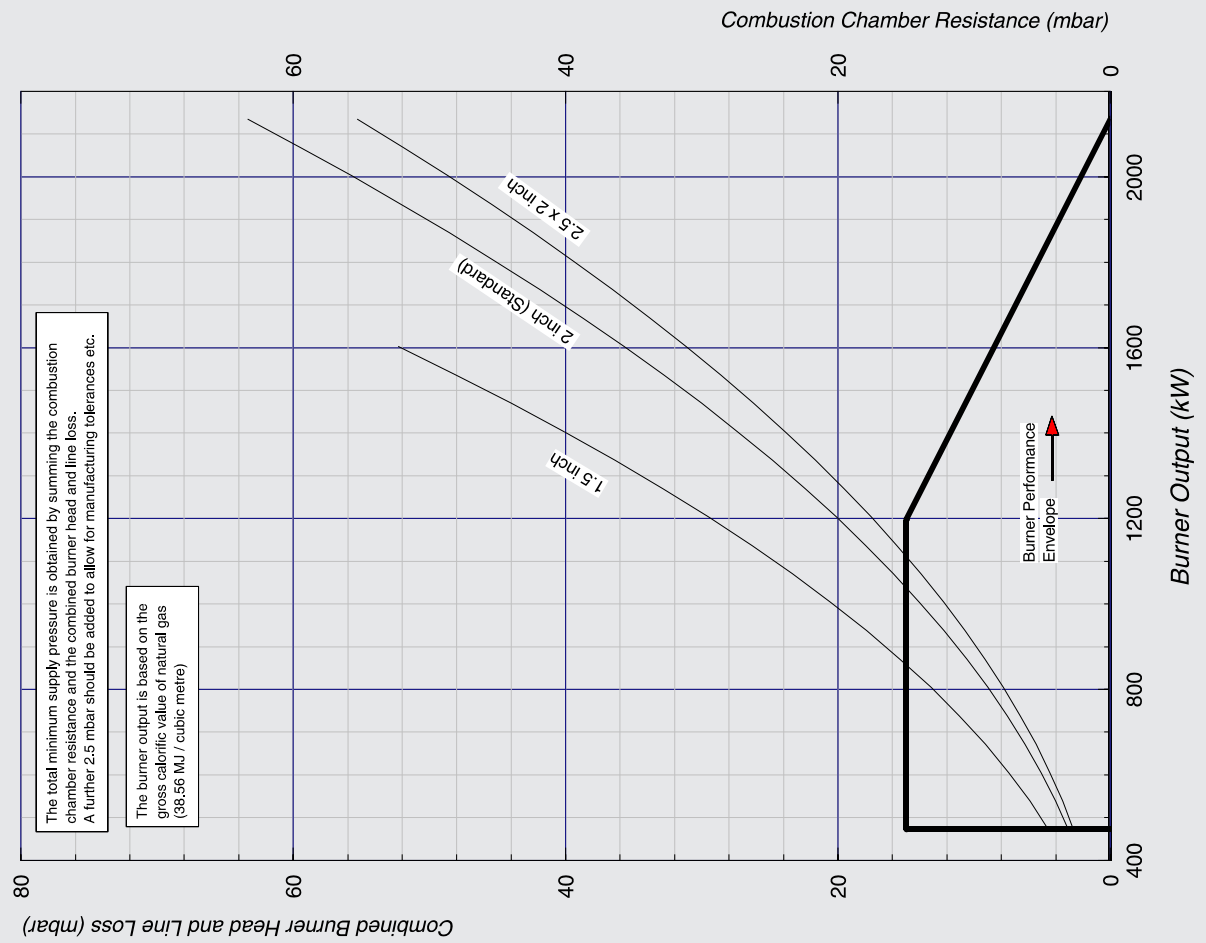
NGN45



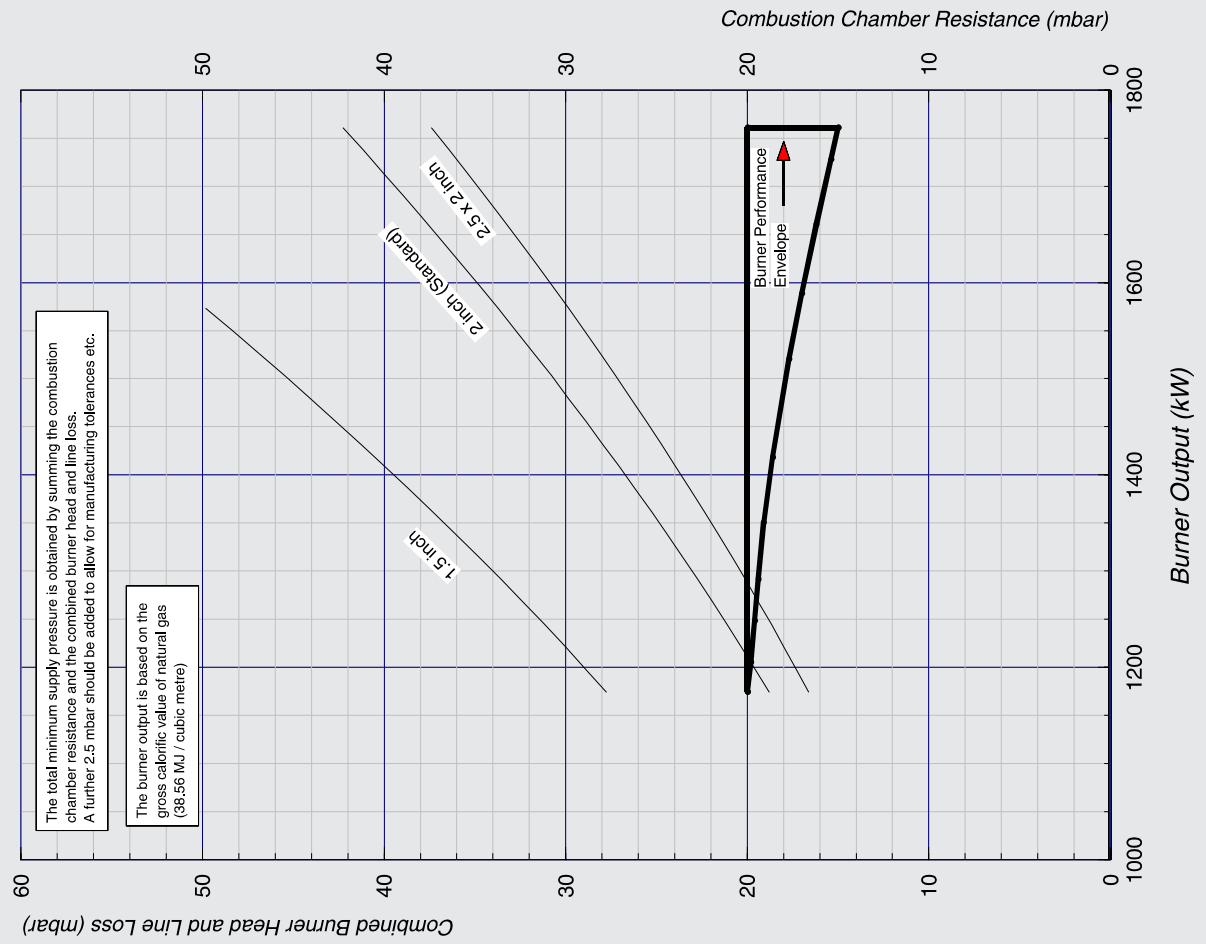
NGN40



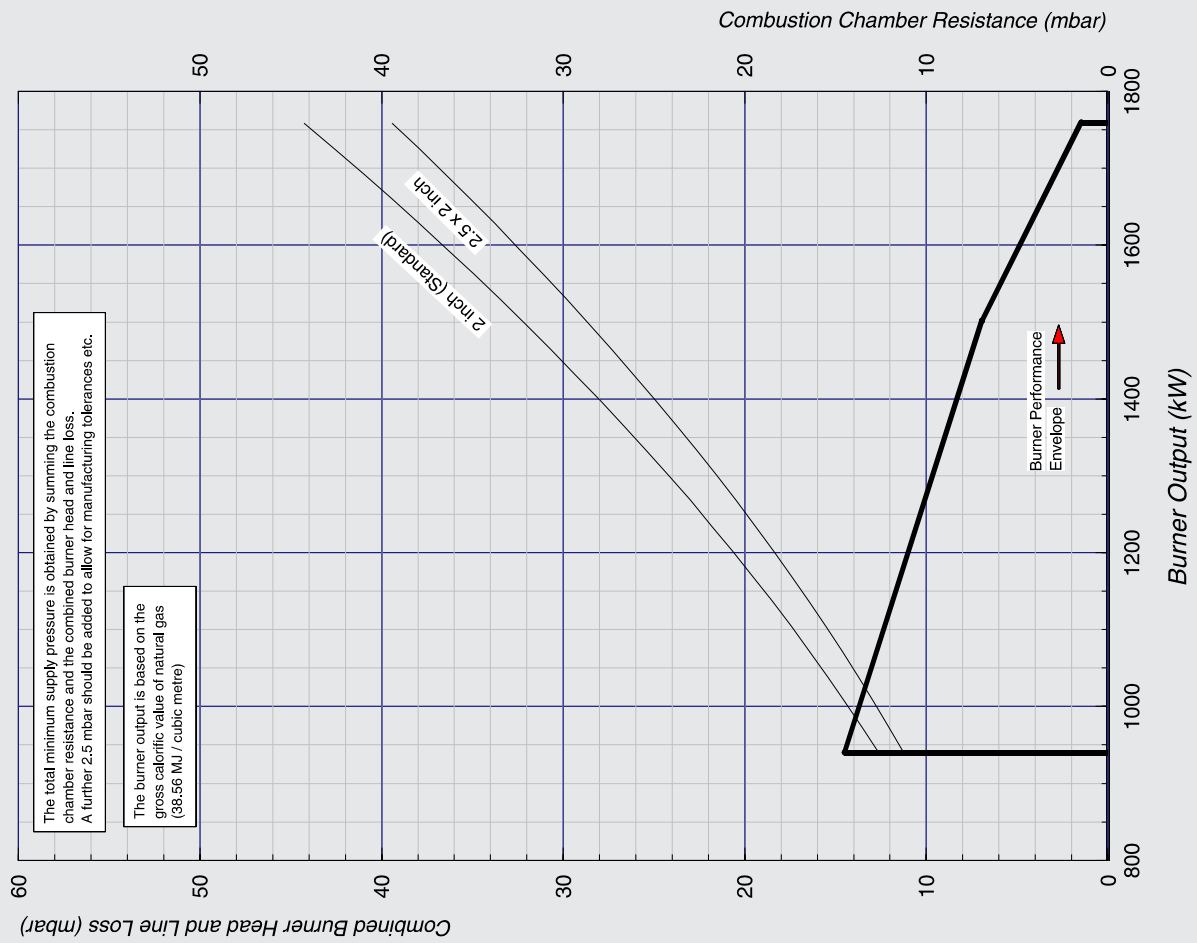
## NGN55



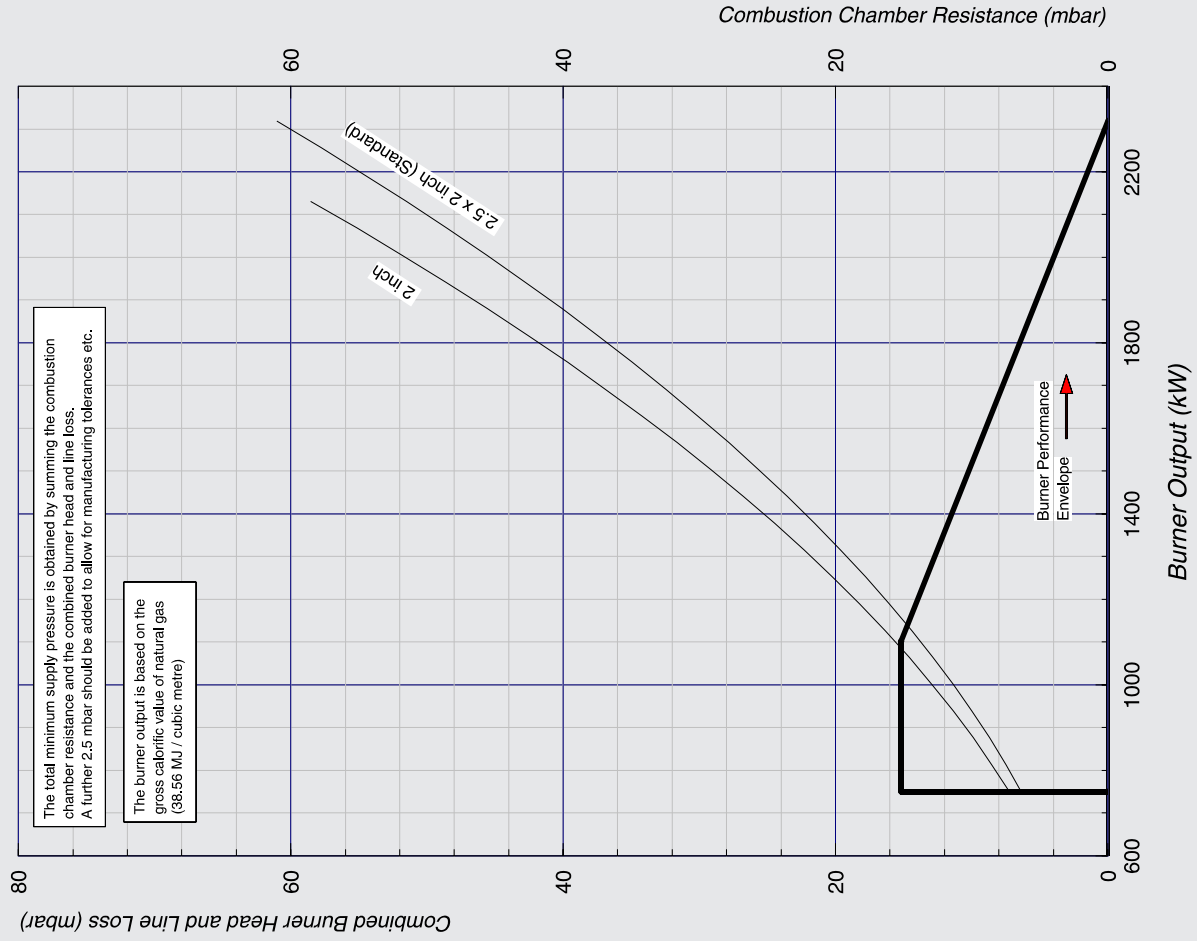
## NGN60



## NGN65

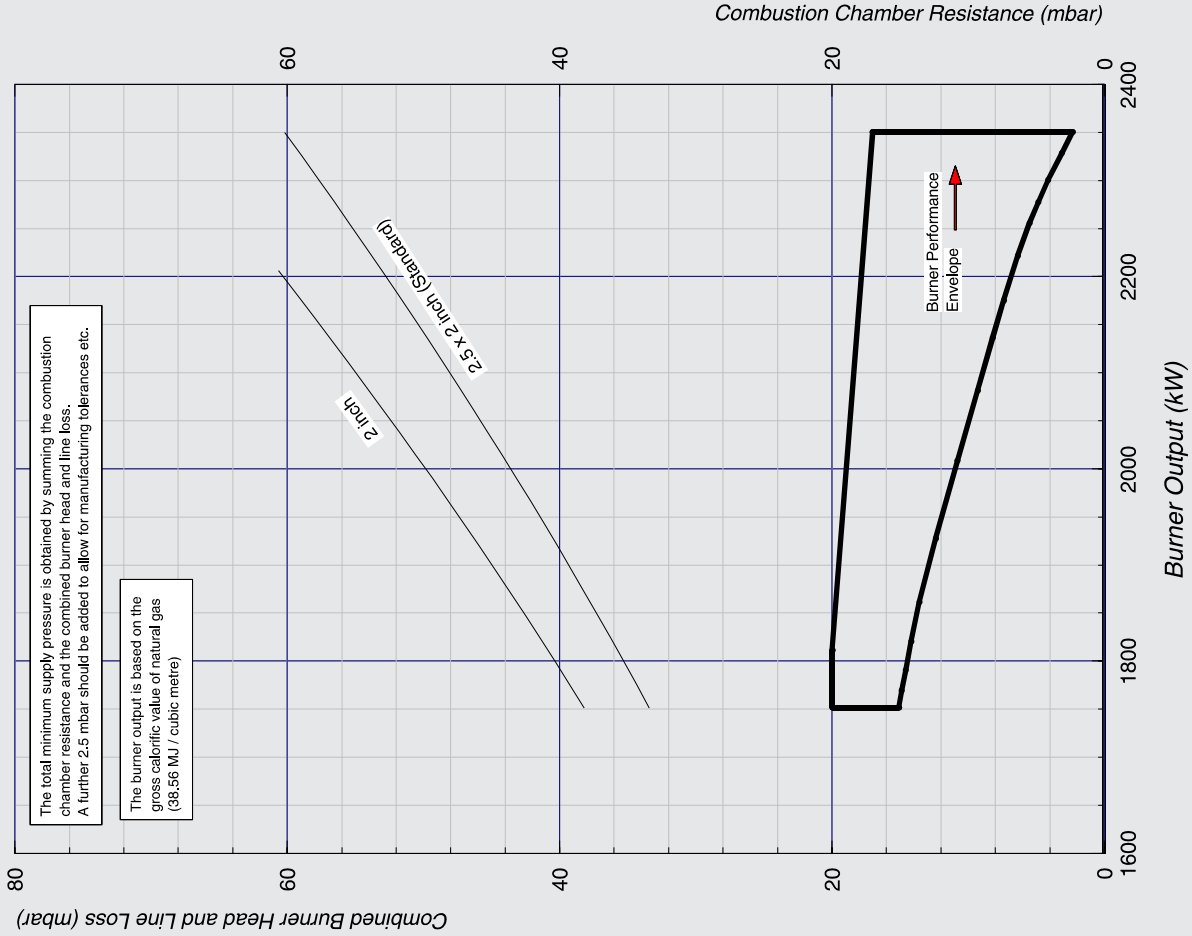


## NGN75

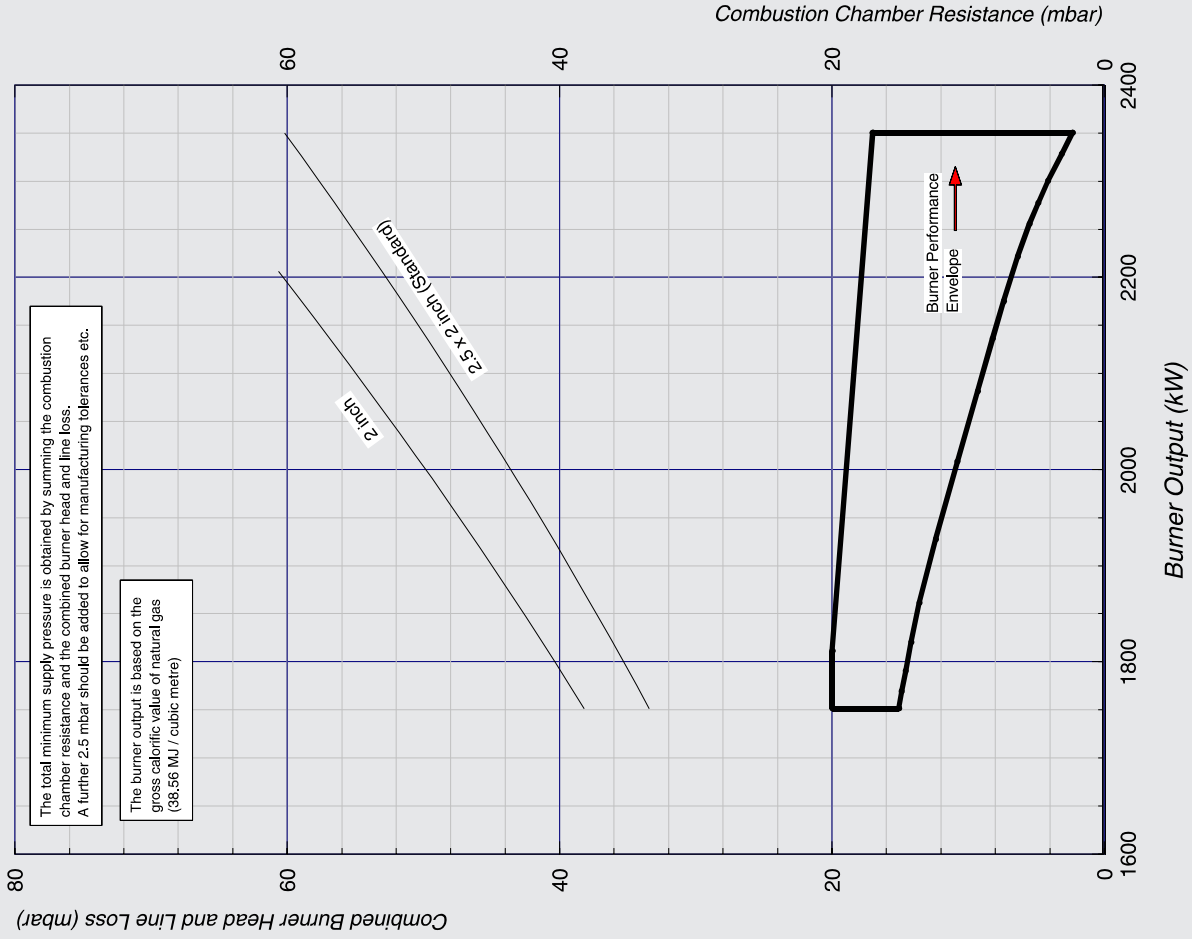




NGN80

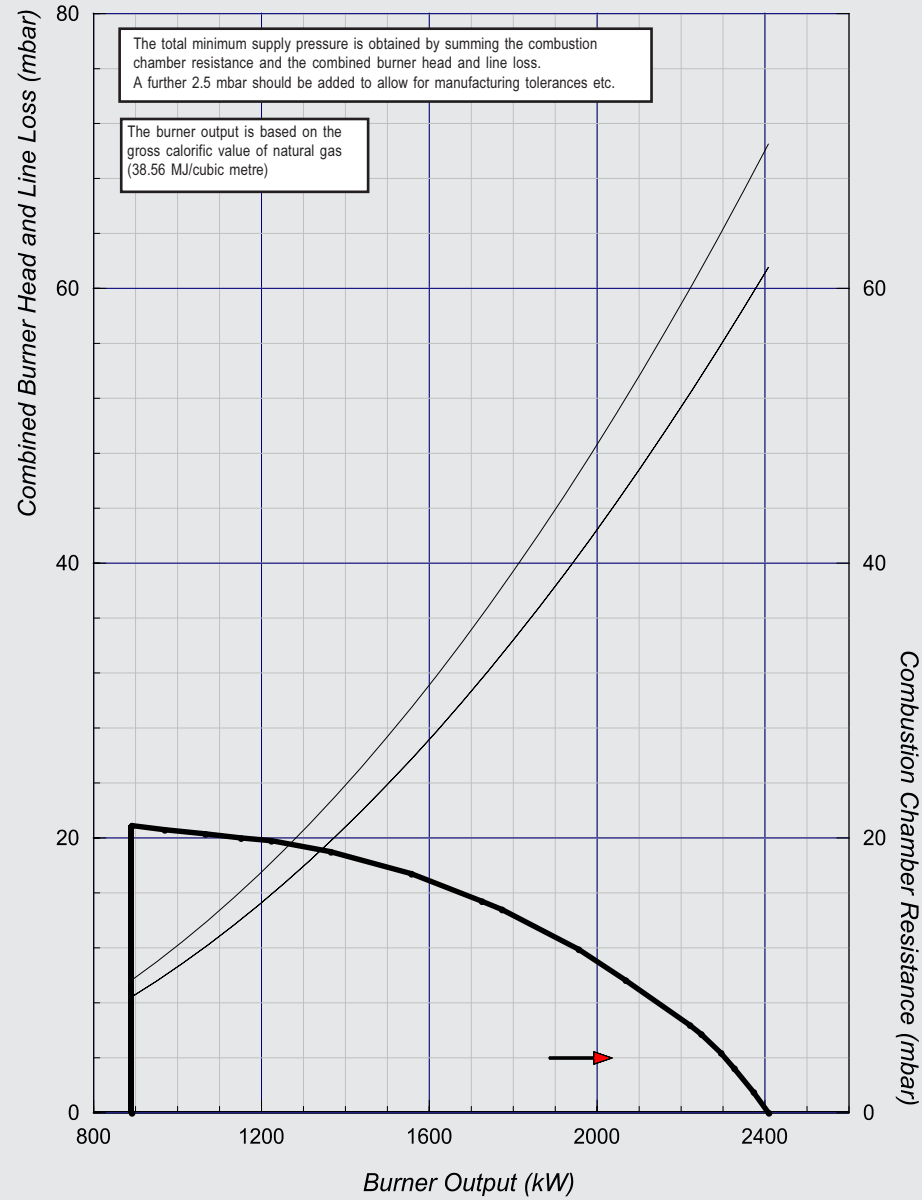


NGN85 (Dungs Control Train)





## NGN85 (Landis & Staefa Control Train)



## NGN100

