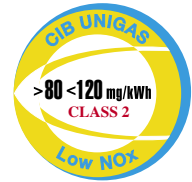
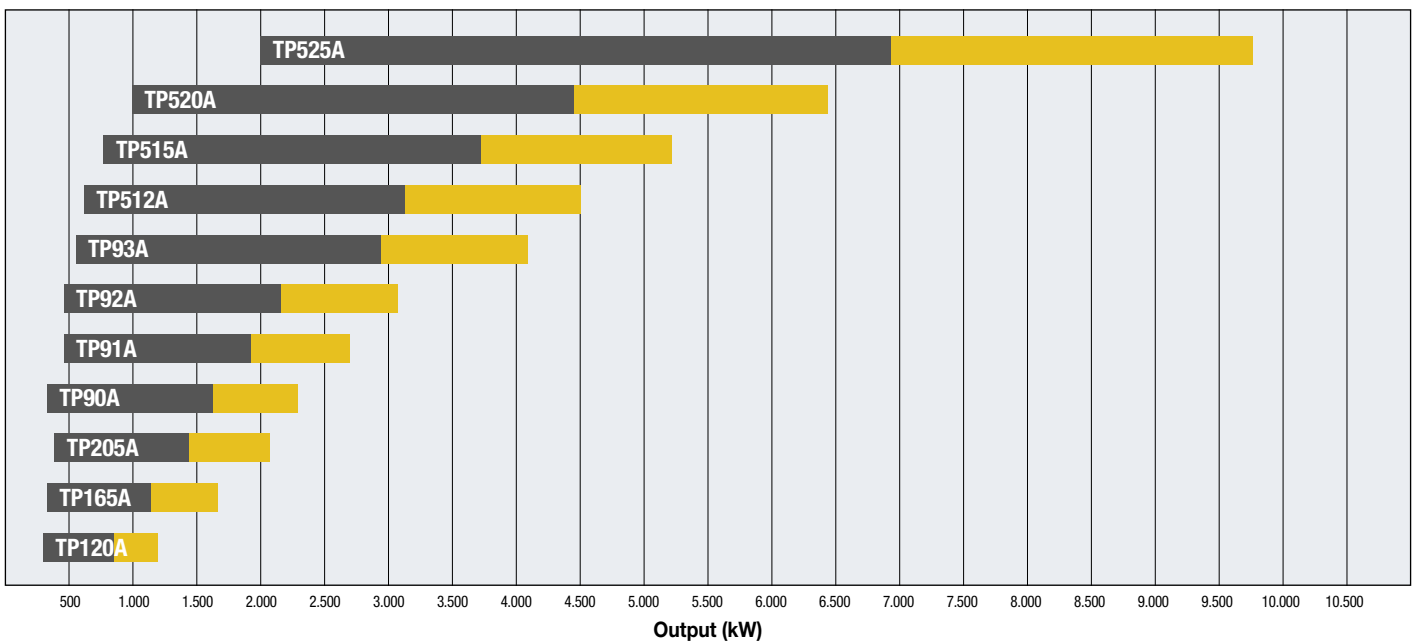
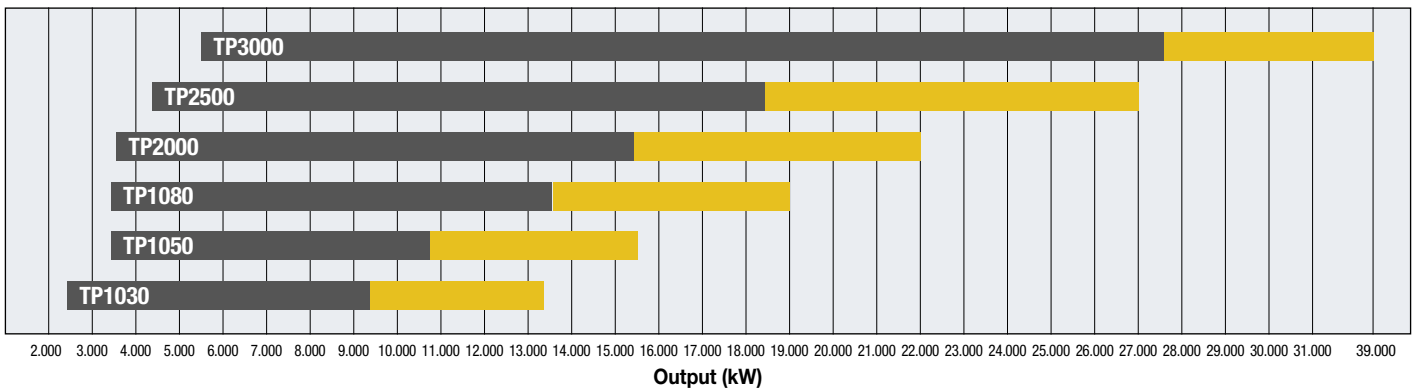
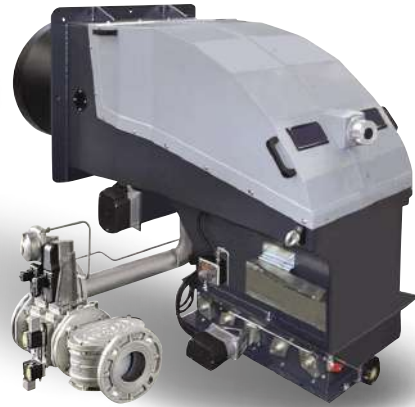


# TP TYPE TP120A ... TP3000



GAS



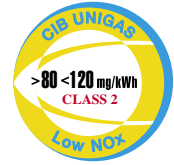


Type	Min. modulation output kW	Min. application output kW	Max output kW
TP120A	300	840	1.200
TP165A	320	1.154	1.650
TP205A	340	1.433	2.050
TP90A	320	1.610	2.300
TP91A	480	1.869	2.670
TP92A	480	2.135	3.050
TP93A	550	2.870	4.100
TP512A	600	3.150	4.500
TP515A	770	3.640	5.200
TP520A	1.000	4.480	6.400
TP525A	2.000	6.825	9.750
TP1030	2.500	9.310	13.300
TP1050	3.500	10.850	15.500
TP1080	3.500	13.300	19.000
TP2000	3.600	15.400	22.000
TP2500	4.500	18.400	27.000
TP3000	5.500	27.300	39.000

## TECHNICAL DETAILS

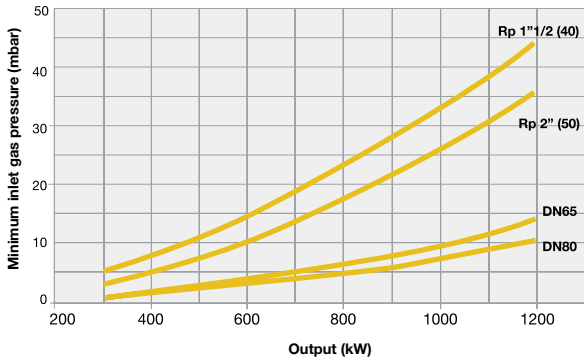
Type	Model	Power kW		Auxiliary electrical power supply	Motor electrical power supply	Gas connections
		min.	max.			Rp
TP120A	M-.xx.S.xx.x.x.xxx.xx	300	1.200	230 V 1N AC 50 Hz	400 V 3 AC 50 Hz	1"¼ - 1"½ - 2" - DN65 - DN80
TP165A	M-.xx.S.xx.x.x.xxx.xx	320	1.650	230 V 1N AC 50 Hz	400 V 3 AC 50 Hz	1"¼ - 1"½ - 2" - DN65 - DN80
TP205A	M-.xx.S.xx.x.x.xxx.xx	340	2.050	230 V 1N AC 50 Hz	400 V 3 AC 50 Hz	1"¼ - 1"½ - 2" - DN65 - DN80
TP90A	M-.xx.S.xx.x.x.xxx.xx	320	2.300	230 V 1N AC 50 Hz	400 V 3 AC 50 Hz	2" - DN65 - DN80 - DN100
TP91A	M-.xx.S.xx.x.x.xxx.xx	480	2.670	230 V 1N AC 50 Hz	400 V 3 AC 50 Hz	2" - DN65 - DN80 - DN100
TP92A	M-.xx.S.xx.x.x.xxx.xx	480	3.050	230 V 1N AC 50 Hz	400 V 3 AC 50 Hz	2" - DN65 - DN80 - DN100
TP93A	M-.xx.S.xx.x.x.xxx.xx	550	4.100	230 V 1N AC 50 Hz	400 V 3 AC 50 Hz	2" - DN65 - DN80 - DN100
TP512A	M-.xx.S.xx.x.x.xxx.xx	600	4.500	230 V 1N AC 50 Hz	400 V 3 AC 50 Hz	2" - DN65 - DN80 - DN100
TP515A	M-.xx.S.xx.x.x.xxx.xx	770	5.200	230 V 1N AC 50 Hz	400 V 3 AC 50 Hz	2" - DN65 - DN80 - DN100
TP520A	M-.xx.S.xx.x.x.xxx.xx	1.000	6.400	230 V 1N AC 50 Hz	400 V 3 AC 50 Hz	2" - DN65 - DN80 - DN100
TP525A	M-.xx.S.xx.x.x.xxx.xx	2.000	9.750	230 V 1N AC 50 Hz	400 V 3 AC 50 Hz	DN65 - DN80 - DN100
TP1030	M-.xx.S.xx.x.x.xxx.xx	2.500	13.300	230 V 1N AC 50 Hz	400 V 3 AC 50 Hz	DN80 - DN100 - DN125
TP1050	M-.xx.S.xx.x.x.xxx.xx	3.500	15.500	230 V 1N AC 50 Hz	400 V 3 AC 50 Hz	DN100 - DN125
TP1080	M-.xx.S.xx.x.x.xxx.xx	3.500	19.000	230 V 1N AC 50 Hz	400 V 3 AC 50 Hz	DN100 - DN125
TP2000	M-.xx.S.xx.x.x.xxx.xx	3.600	22.000	230 V 1N AC 50 Hz	400 V 3 AC 50 Hz	DN125 - DN150
TP2500	M-.xx.S.xx.x.x.xxx.xx	4.500	27.000	230 V 1N AC 50 Hz	400 V 3 AC 50 Hz	DN125 - DN150
TP3000	M-.xx.S.xx.x.x.xxx.xx	5.500	39.000	230 V 1N AC 50 Hz	400 V 3 AC 50 Hz	DN125 - DN150 - DN200

# TP TYPE TP120A ... TP3000

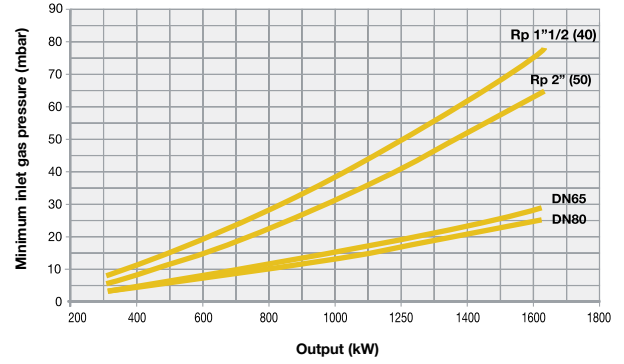


GAS

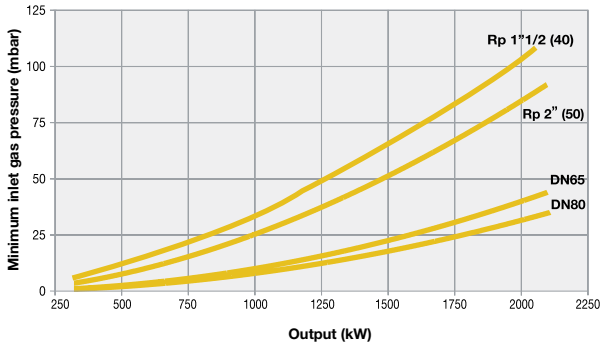
**TP120A PR-MD**

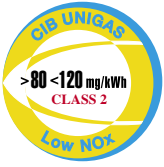


**TP165A PR-MD**

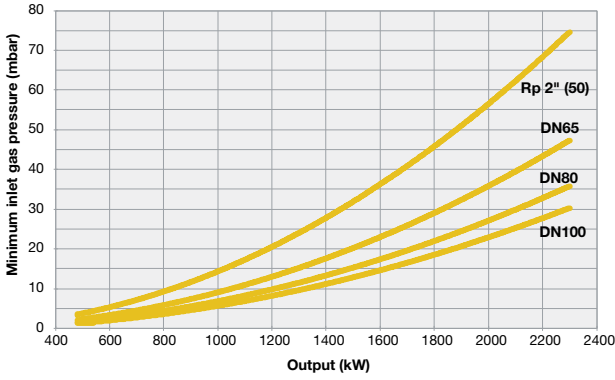


**TP205A PR-MD**

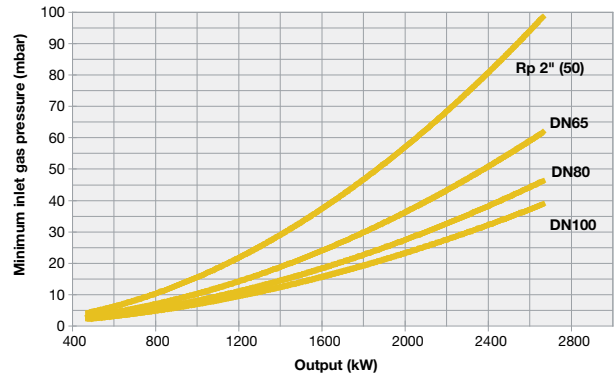




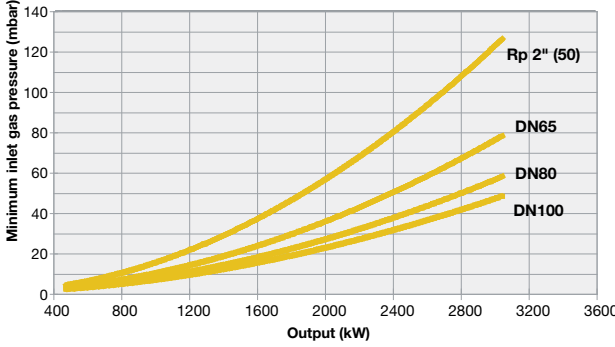
**TP90A PR-MD**



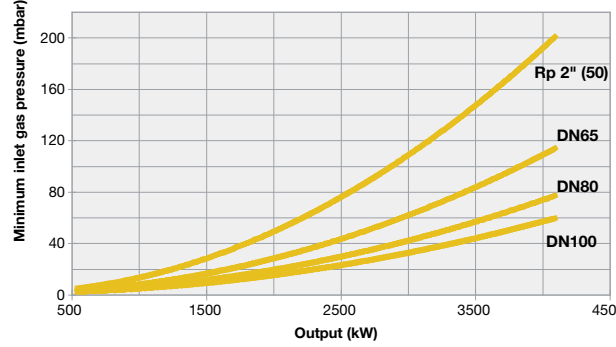
**TP91A PR-MD**



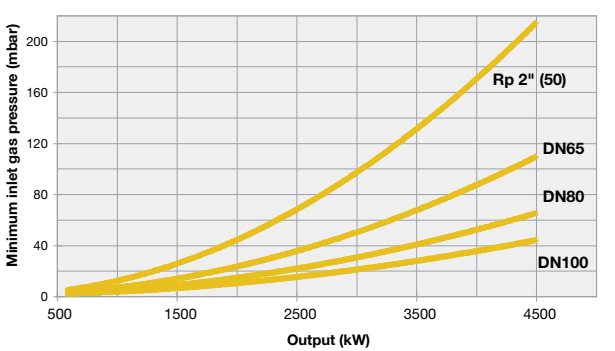
**TP92A PR-MD**



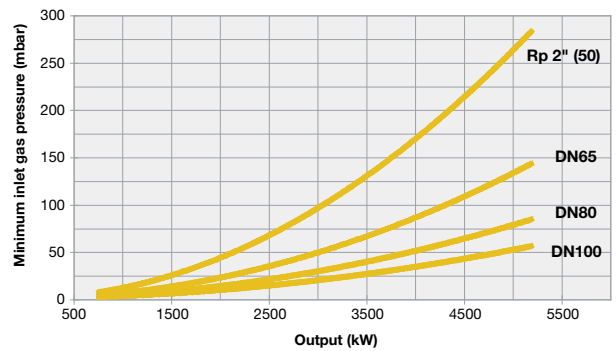
**TP93A PR-MD**



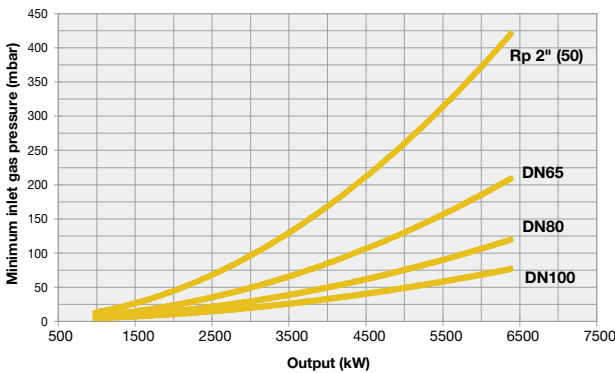
**TP512A PR-MD**



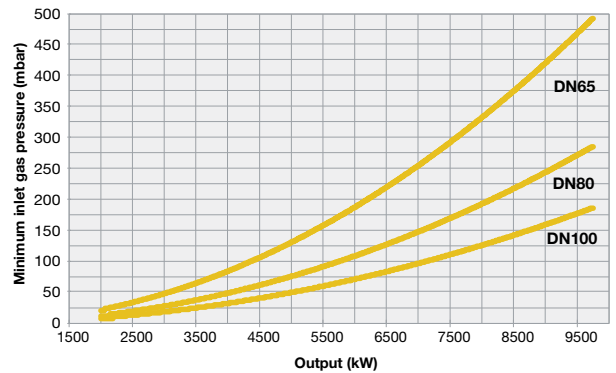
**TP515A PR-MD**



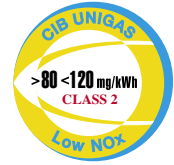
**TP520A PR-MD**



**TP525A PR-MD**

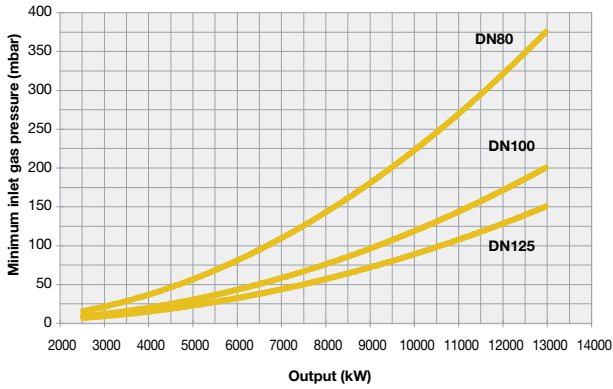


# TP TYPE TP120A ... TP3000

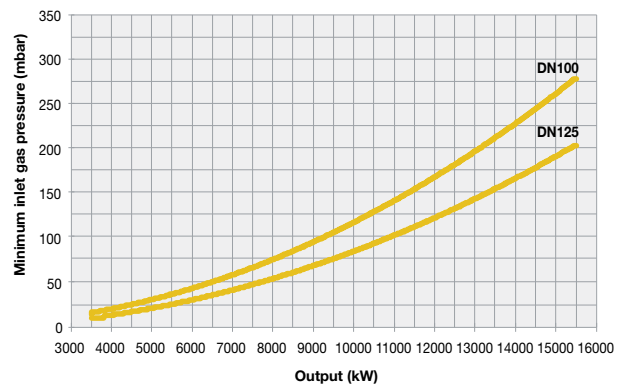


GAS

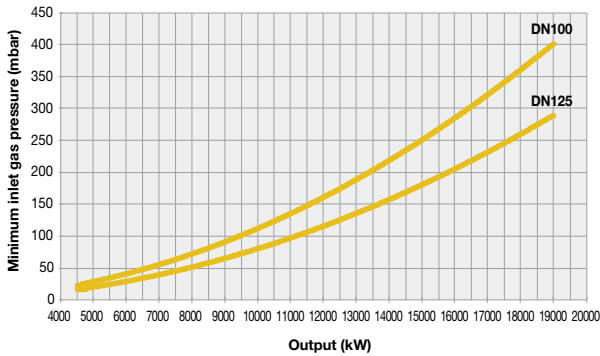
**TP1030 PR-MD**



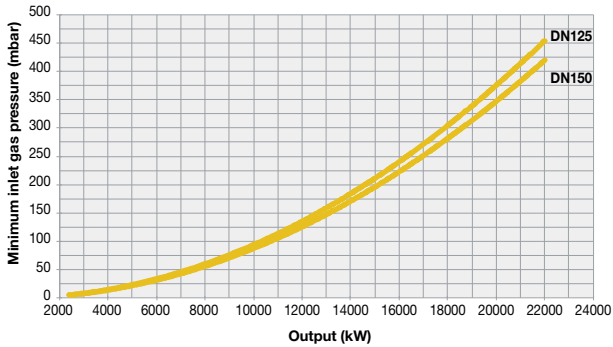
**TP1050 PR-MD**



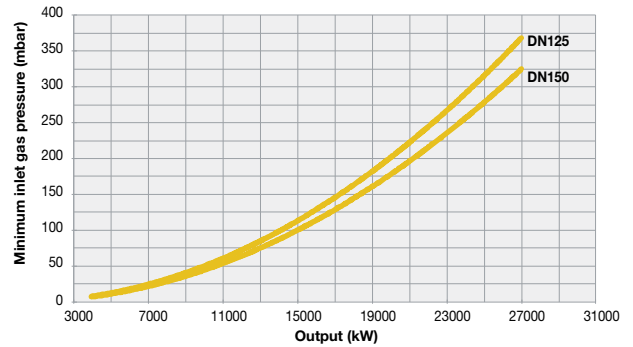
**TP1080 PR-MD**



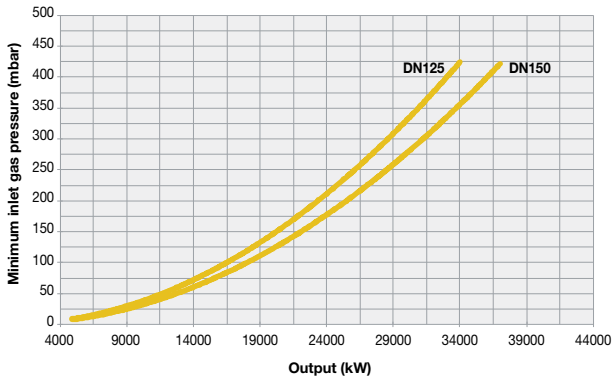
**TP2000 PR-MD**



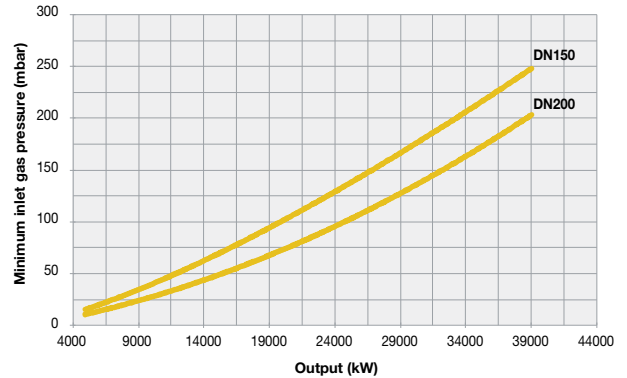
**TP2500 PR-MD**



**TP3000 PR-MD**



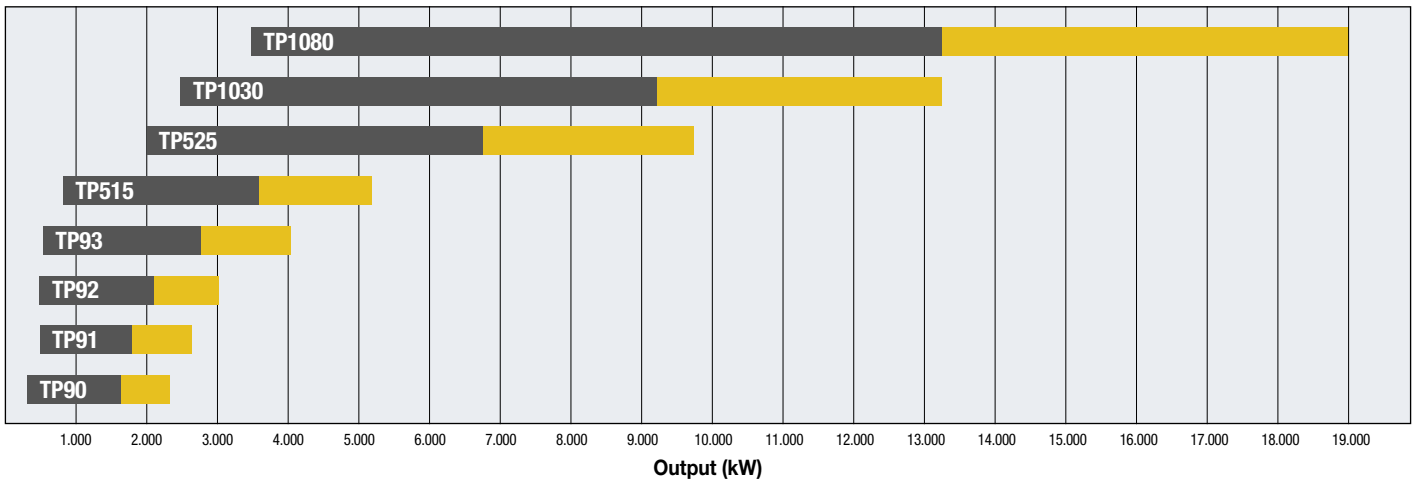
**TP3000 PR-MD with pneumatic valves**



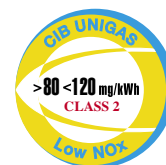
GAS



# TP90 ... TP1080 **TP...VS** TYPE



# TP... VS TYPE TP90 ... TP1080

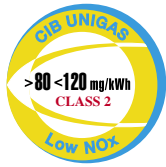


GAS

Type	Min. modulation output kW	Min. application output kW	Max output kW
<b>TP90</b>	320	1.610	2.300
<b>TP91</b>	480	1.869	2.670
<b>TP92</b>	480	2.135	3.050
<b>TP93</b>	550	2.870	4.100
<b>TP515</b>	770	3.640	5.200
<b>TP525</b>	2.000	6.825	9.750
<b>TP1030</b>	2.500	9.310	13.300
<b>TP1080</b>	3.500	13.300	19.000

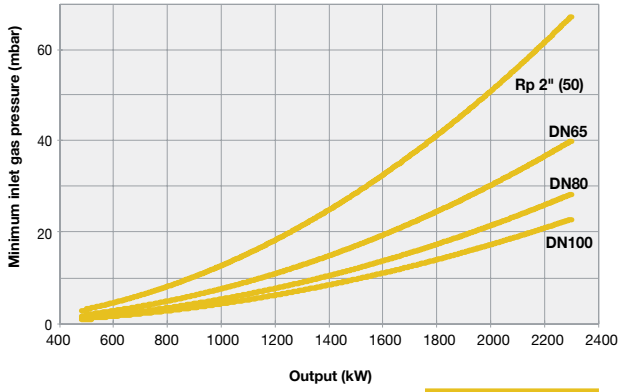
## TECHNICAL DETAILS

Type	Model	Power kW		Auxiliary electrical power supply	Motor electrical power supply	Gas connections
		min.	max.			Rp
<b>TP90</b>	M-.xx.S.xx.VS.x.xxx.xx	320	2.300	230 V 1N AC 50 Hz	400 V 3 AC 50 Hz	2" - DN65 - DN80 - DN100
<b>TP91</b>	M-.xx.S.xx.VS.x.xxx.xx	480	2.670	230 V 1N AC 50 Hz	400 V 3 AC 50 Hz	2" - DN65 - DN80 - DN100
<b>TP92</b>	M-.xx.S.xx.VS.x.xxx.xx	480	3.050	230 V 1N AC 50 Hz	400 V 3 AC 50 Hz	2" - DN65 - DN80 - DN100
<b>TP93</b>	M-.xx.S.xx.VS.x.xxx.xx	550	4.100	230 V 1N AC 50 Hz	400 V 3 AC 50 Hz	2" - DN65 - DN80 - DN100
<b>TP515</b>	M-.xx.S.xx.VS.x.xxx.xx	770	5.200	230 V 1N AC 50 Hz	400 V 3 AC 50 Hz	2" - DN65 - DN80 - DN100
<b>TP525</b>	M-.xx.S.xx.VS.x.xxx.xx	2.000	9.750	230 V 1N AC 50 Hz	400 V 3 AC 50 Hz	DN65 - DN80 - DN100
<b>TP1030</b>	M-.xx.S.xx.VS.x.xxx.xx	2.500	13.300	230 V 1N AC 50 Hz	400 V 3 AC 50 Hz	DN80 - DN100 - DN125
<b>TP1080</b>	M-.xx.S.xx.VS.x.xxx.xx	3.500	19.000	230 V 1N AC 50 Hz	400 V 3 AC 50 Hz	DN100 - DN125

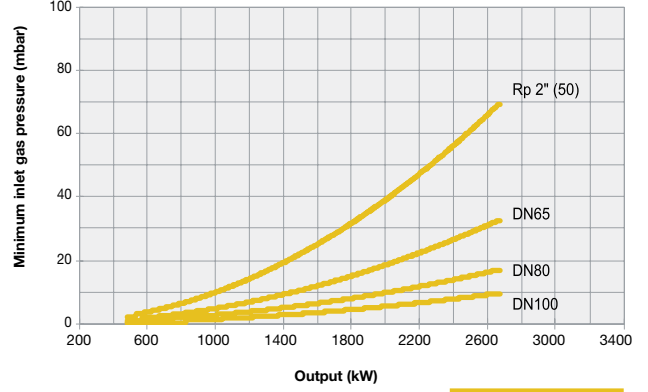


# TP90 ... TP1080 TP... VS TYPE

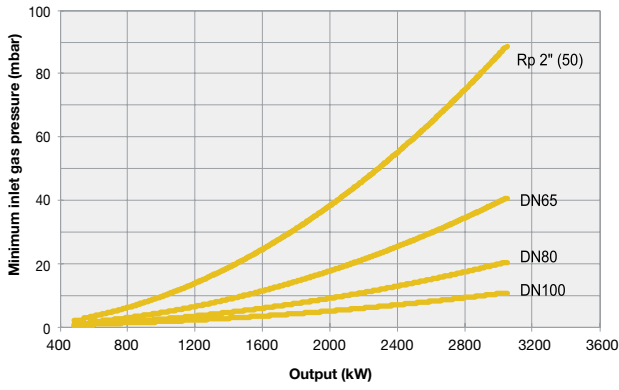
**TP90 VS PR-MD**



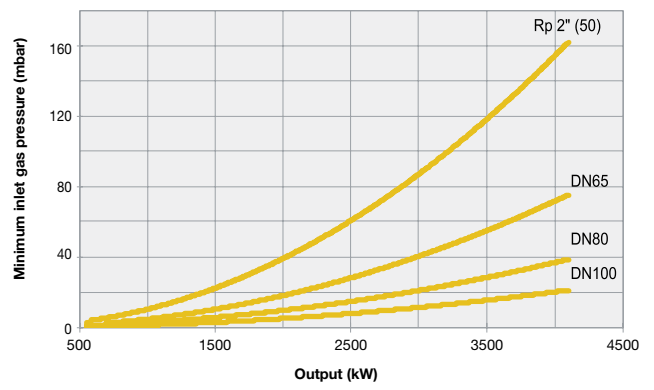
**TP91 VS PR-MD**



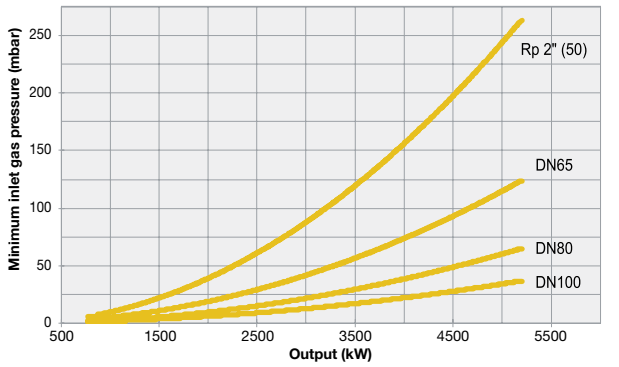
**TP92 VS PR-MD**



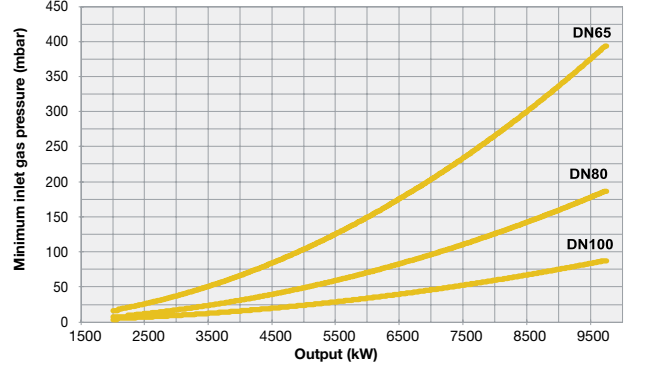
**TP93 VS PR-MD**



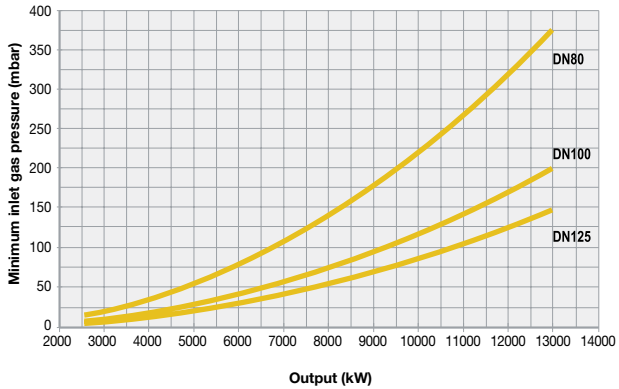
**TP515 VS PR-MD**



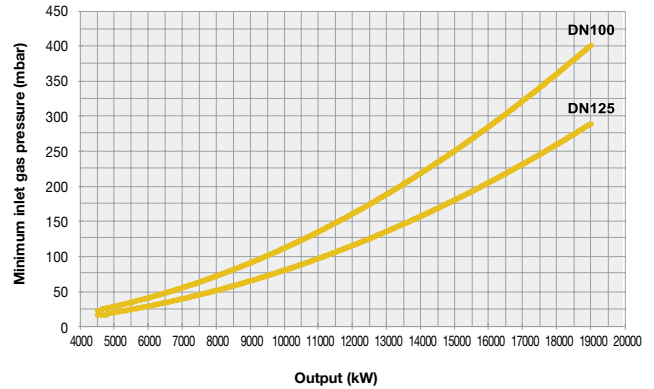
**TP525 VS PR-MD**



**TP1030 VS PR-MD**

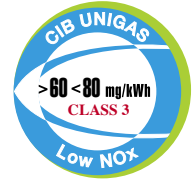


**TP1080 VS PR-MD**

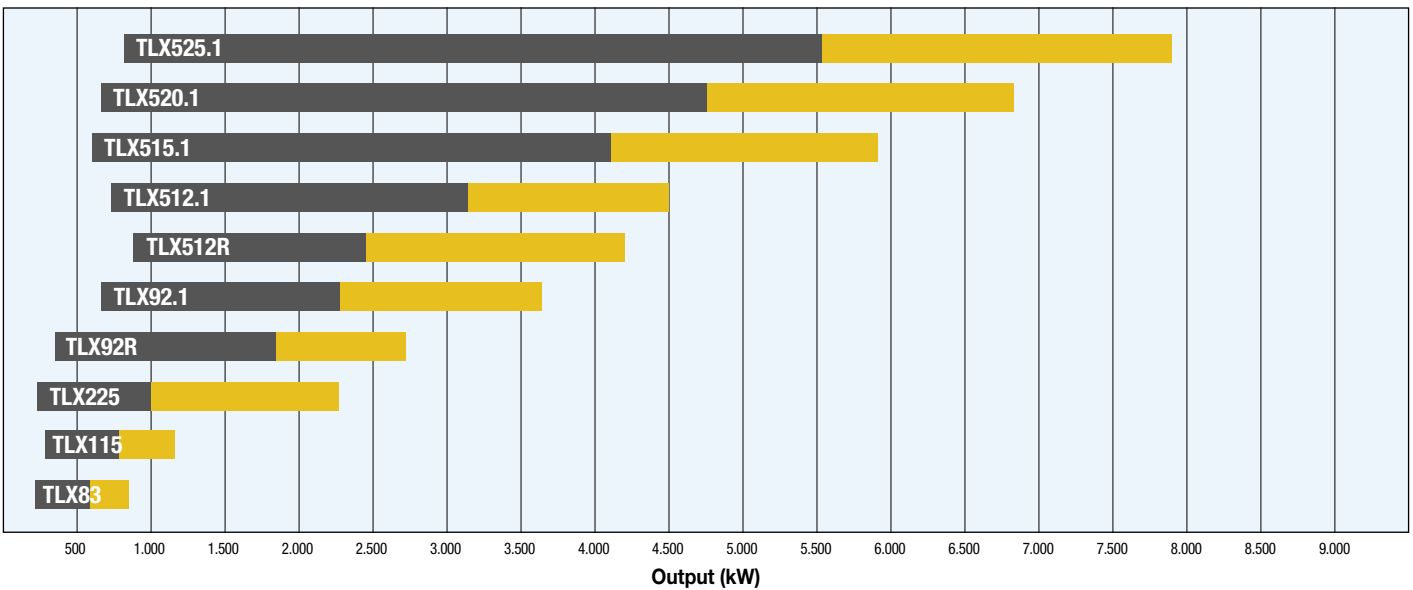
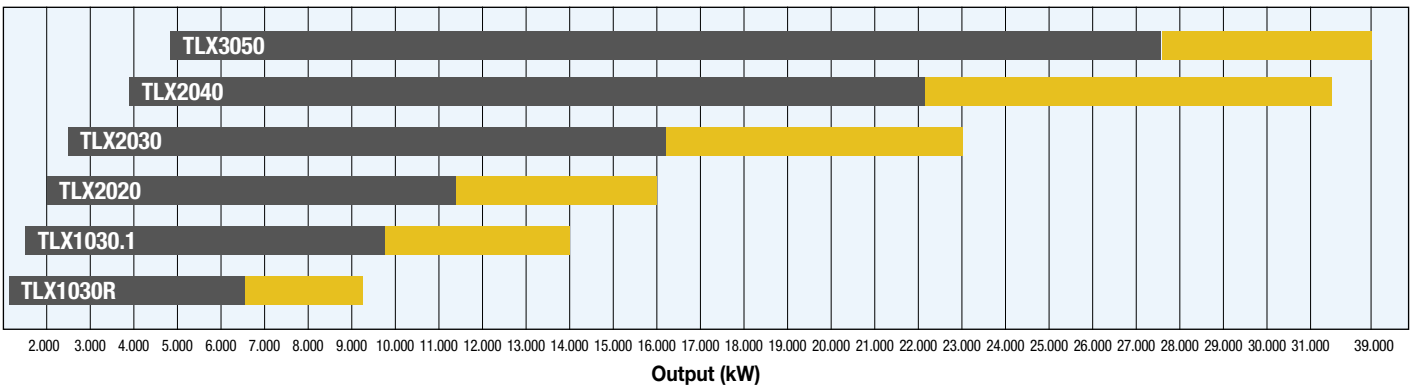
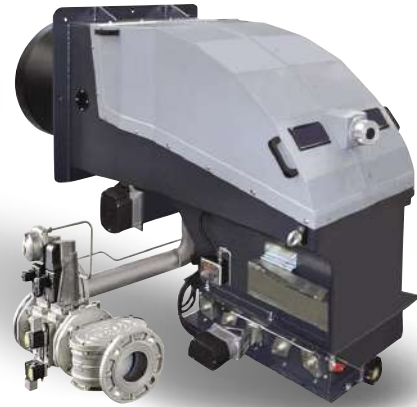


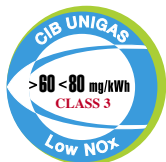


**TLX** TYPE **TLX83 ... TLX3050**



GAS





Type	Min. modulation output kW	Min. application output kW	Max output kW
TLX83	200	580	830
TLX115	300	805	1.150
TLX225	230	1.000	2.280
TLX92R	340	1.890	2.700
TLX92.1	650	2.317	3.650
TLX512R	850	2.440	4.200
TLX512.1	700	3.147	4.500
TLX515.1	580	4.126	5.900
TLX520.1	650	4.760	6.800
TLX525.1	860	5.525	7.900
TLX1030R	1.090	6.475	9.250
TLX1030.1	1.550	9.790	14.000
TLX2020	2.000	11.200	16.000
TLX2030	2.400	16.083	23.000
TLX2040	3.900	22.050	31.500
TLX3050	4.900	27.300	39.000

#### TECHNICAL DETAILS

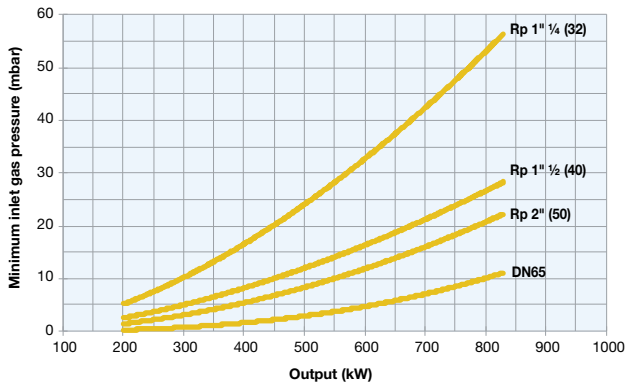
Type	Model	Power kW		Auxiliary electrical power supply	Motor electrical power supply	Gas connections
		min.	max.			Rp
TLX83	M-.xx.S.xx.x.x.xxx.xx	200	830	230 V 1N AC 50 Hz	400 V 3 AC 50 Hz	1"¼ - 1"½ - 2" - DN65
TLX115	M-.xx.S.xx.x.x.xxx.xx	300	1.150	230 V 1N AC 50 Hz	400 V 3 AC 50 Hz	1"½ - 2" - DN65 - DN80
TLX225	M-.xx.S.xx.x.x.xxx.xx	230	2.280	230 V 1N AC 50 Hz	400 V 3 AC 50 Hz	2" - DN65 - DN80 - DN100
TLX92R	M-.xx.S.xx.x.x.xxx.xx	340	2.700	230 V 1N AC 50 Hz	400 V 3 AC 50 Hz	2" - DN65 - DN80 - DN100
TLX92.1	M-.xx.S.xx.x.x.xxx.xx	650	3.650	230 V 1N AC 50 Hz	400 V 3 AC 50 Hz	2" - DN65 - DN80 - DN100
TLX512R	M-.xx.S.xx.x.x.xxx.xx	850	4.200	230 V 1N AC 50 Hz	400 V 3 AC 50 Hz	2" - DN65 - DN80 - DN100
TLX512.1	M-.xx.S.xx.x.x.xxx.xx	700	4.500	230 V 1N AC 50 Hz	400 V 3 AC 50 Hz	2" - DN65 - DN80 - DN100
TLX515.1	M-.xx.S.xx.x.x.xxx.xx	580	5.900	230 V 1N AC 50 Hz	400 V 3 AC 50 Hz	2" - DN65 - DN80 - DN100
TLX520.1	M-.xx.S.xx.x.x.xxx.xx	650	6.800	230 V 1N AC 50 Hz	400 V 3 AC 50 Hz	2" - DN65 - DN80 - DN100
TLX525.1	M-.xx.S.xx.x.x.xxx.xx	860	7.900	230 V 1N AC 50 Hz	400 V 3 AC 50 Hz	DN65 - DN80 - DN100
TLX1030R	M-.xx.S.xx.x.x.xxx.xx	1.090	9.250	230 V 1N AC 50 Hz	400 V 3 AC 50 Hz	DN65 - DN80 - DN100
TLX1030.1	M-.xx.S.xx.x.x.xxx.xx	1.550	14.000	230 V 1N AC 50 Hz	400 V 3 AC 50 Hz	DN80 - DN100 - DN125
TLX2020	M-.xx.S.xx.x.x.xxx.xx	2.000	16.000	230 V 1N AC 50 Hz	400 V 3 AC 50 Hz	DN80 - DN100 - DN125
TLX2030	M-.xx.S.xx.x.x.xxx.xx	2.400	23.000	230 V 1N AC 50 Hz	400 V 3 AC 50 Hz	DN100 - DN125
TLX2040	M-.xx.S.xx.x.x.xxx.xx	3.900	31.500	230 V 1N AC 50 Hz	400 V 3 AC 50 Hz	DN100 - DN125 - DN150
TLX3050	M-.xx.S.xx.x.x.xxx.xx	4.900	39.000	230 V 1N AC 50 Hz	400 V 3 AC 50 Hz	DN125 - DN150 - DN200

# TLX TYPE TLX83 ... TLX3050

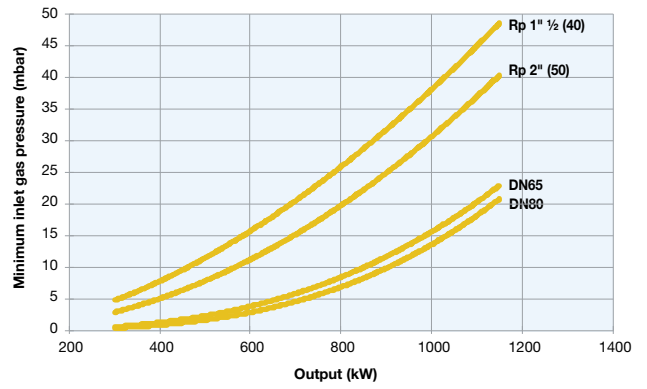


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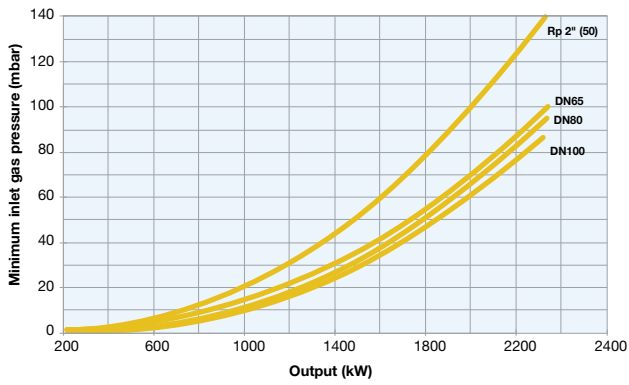
**TLX83 PR-MD**



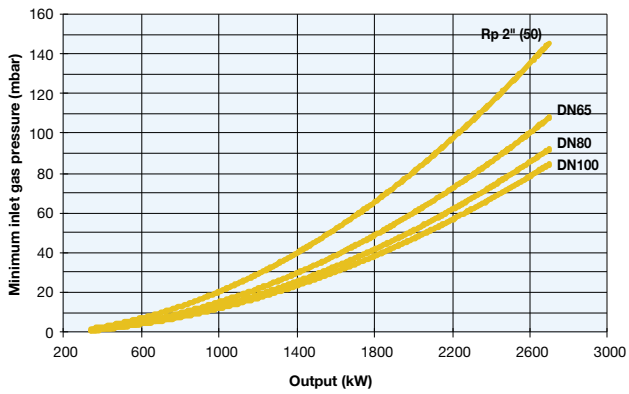
**TLX115 PR-MD**



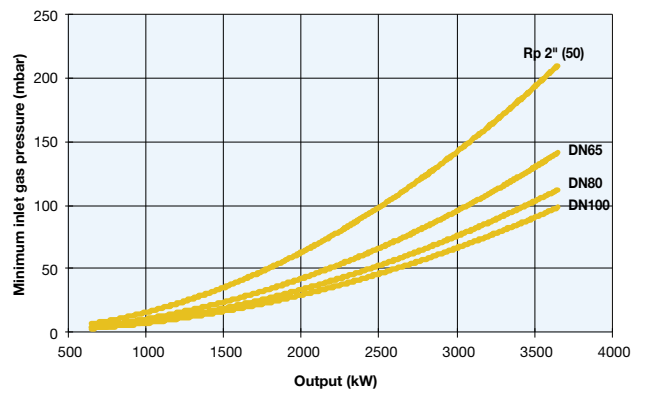
**TLX225 PR-MD**

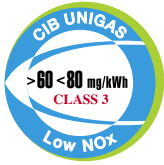


**TLX92R PR-MD**

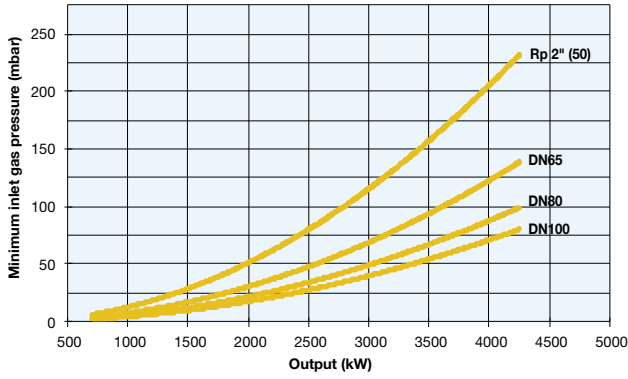


**TLX92.1 PR-MD**

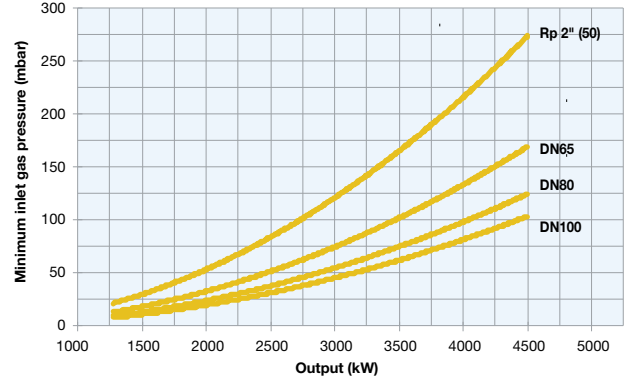




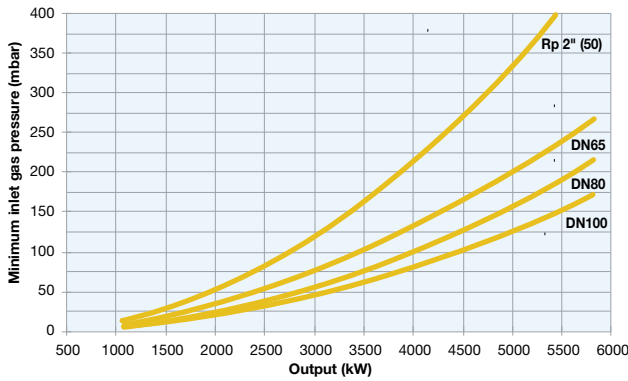
**TLX512R PR-MD**



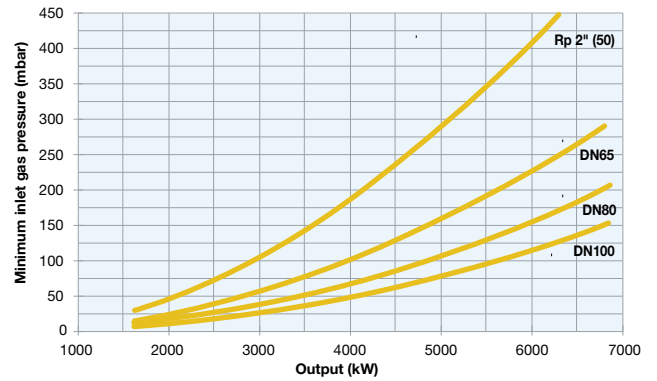
**TLX512.1 PR-MD**



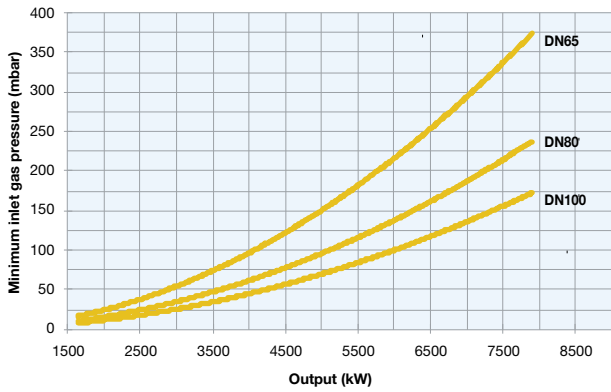
**TLX515.1 PR-MD**



**TLX520.1 PR-MD**



**TLX525.1 PR-MD**

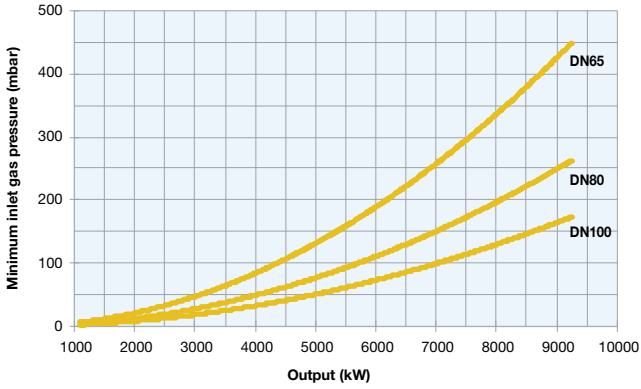


# TLX TYPE TLX83 ... TLX3050

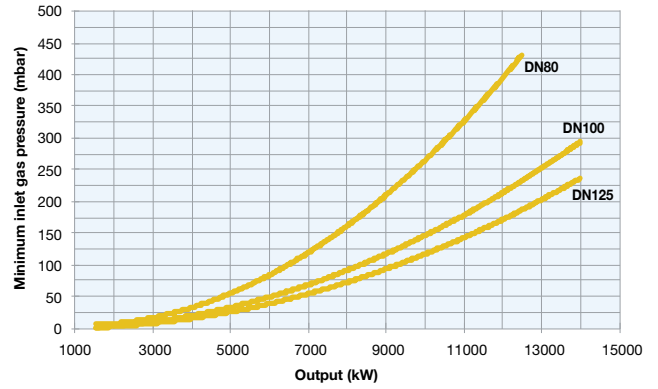


GAS

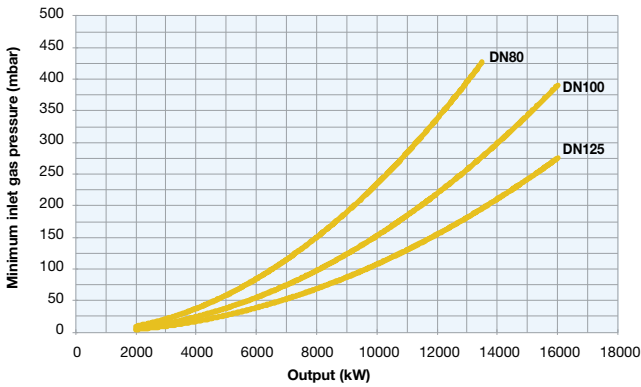
**TLX1030R PR-MD**



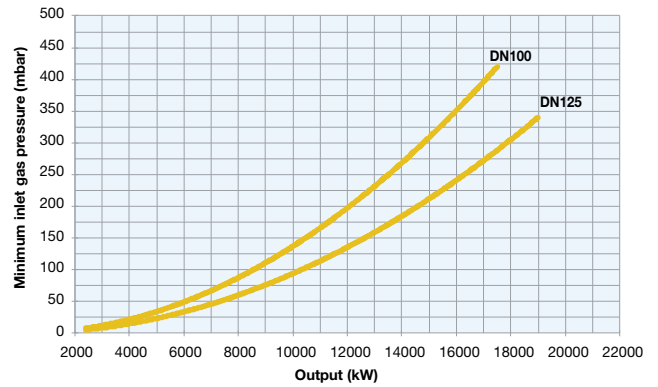
**TLX1030.1 PR-MD**



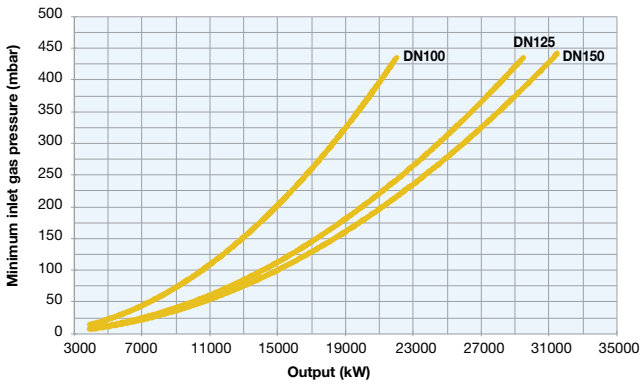
**TLX2020 PR-MD**



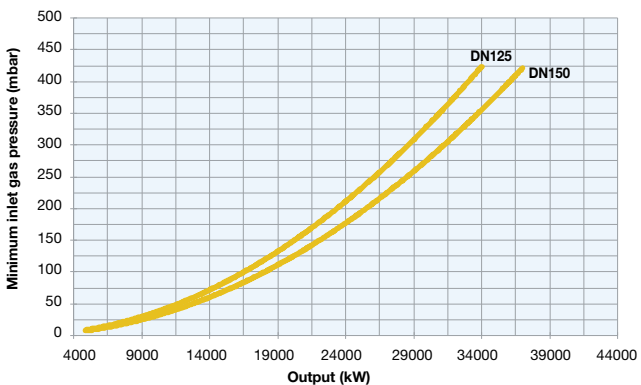
**TLX2030 PR-MD**



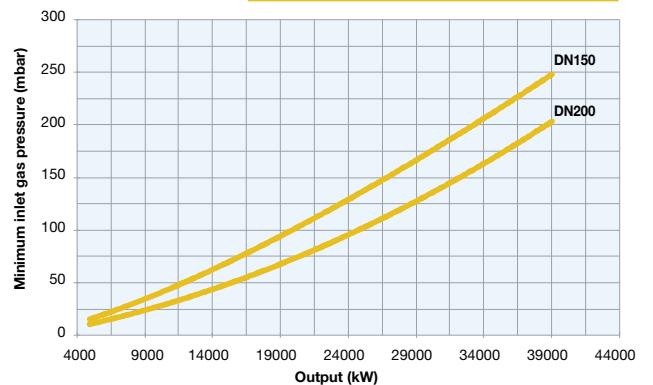
**TLX2040 PR-MD**



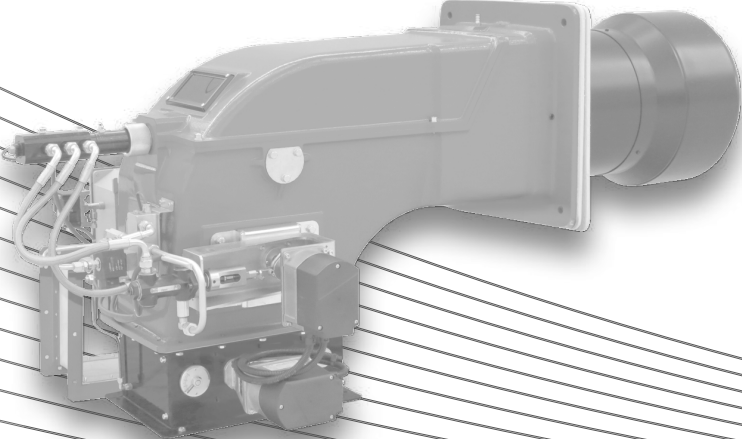
**TLX3050 PR-MD**



**TLX3050 PR-MD with pneumatic valves**



**LIGHT OIL BURNERS**



# OPTIONS GAS BURNERS



## MANUAL CUT OFF VALVES, THREADED (ball valve)

Gas connections	Model	Code
1"¼	V32	2.81.00.04
1"½	V40	2.81.00.05
2"	V50	2.81.00.06



## MANUAL CUT OFF VALVES, FLANGED (ball valve)

Gas connections	Model	Code
DN65	V65	2.81.00.12
DN80	V80	2.81.00.13
DN100	V100	2.81.00.14
DN125	V125	2.81.00.71
DN150	V150	ON REQUEST
DN200	V200	ON REQUEST



## ANTI VIBRATING JOINT (threaded)

Gas connections	Model	Code
1"¼	GA32	2.34.00.80
1"½	GA40	2.34.00.65
2"	GA50	2.34.00.66



## ANTI VIBRATING JOINT (flanged)

Gas connections	Model	Code
DN65	GA65	2.34.00.81
DN80	GA80	2.34.00.82
DN100	GA100	2.34.00.83
DN125	GA125	2.34.00.70
DN150	GA150	ON REQUEST
DN200	GA200	ON REQUEST



## GAS FILTERS (max inlet pressure 2 bar)

Gas connections	Model	Code
1"	F25	2.09.01.15
1"½	F40	2.09.01.05
2"	F50	2.09.01.06



## GAS FILTERS (flanged: max inlet pressure 2 bar)

Gas connections	Model	Code
DN65	F65	2.09.01.17
DN80	F80	2.09.01.18
DN100	F100	2.09.01.20
DN125	F125	2.09.01.28
DN150	F150	ON REQUEST
DN200	F200	ON REQUEST



#### PRESSURE GOVERNORS WITH GAS FILTERS (threaded: Pe max 1 bar)

Gas connections	Model	Code
½"	S.P.15	2.80.00.85
¾"	S.P.20	2.80.00.94
1"	S.P.25	2.80.00.72
1"½	S.P.40	2.80.00.65
2"	S.P.50	2.80.00.67



#### PRESSURE GOVERNORS WITH GAS FILTERS (flanged: Pe max 1 bar)

Gas connections	Model	Code
DN65	S.P.65	2.80.00.69
DN80	S.P.80	2.80.00.71
DN100	S.P.100	2.80.00.74



#### MAXIMUM PRESSURE

Description	Code
GAS MAXIMUM PRESSURE SWITCH KIT	2.19.12.41



#### SUPPORT FOR PRESSURE GAUGE

Model	Code
Push botton valve	2810010



#### MANOMETER

Model	Code
Glycerine gauge 0 ÷ 60 mbar	2520001
Glycerine gauge 0 ÷ 400 mbar	2520028
Glycerine gauge 0 ÷ 1 bar	2520030



# OPTIONS GAS BURNERS

## GAS PRESSURE REDUCING STATIONS

Gas pressure reducing stations (available for inlet pressures up to 6 bar and max flow rate corresponding to an output of 20.000 kW).

Type	Power (kW)	Capacity (Nm <sup>3</sup> /h)	Burners*	Max pressure (bar)
GRG30	3000	320	TP92A	6
GRG130	13000	1370	TP1030A	6
GRG200	20000	2100	2 x TP525A	6

Gas pressure reducing station according to the below scheme

The station includes all the components as shown in the picture (see scheme and legend)

The station is pre-assembled on a frame

Packaging included

The stations are ready to work with natural gas, matching and sizes can vary according to the pressure and type of gas.

Max inlet pressure over 6 bar: price upon request

\*The burner in an example of a typical installation, however the same station can supply different burners of smaller size.

