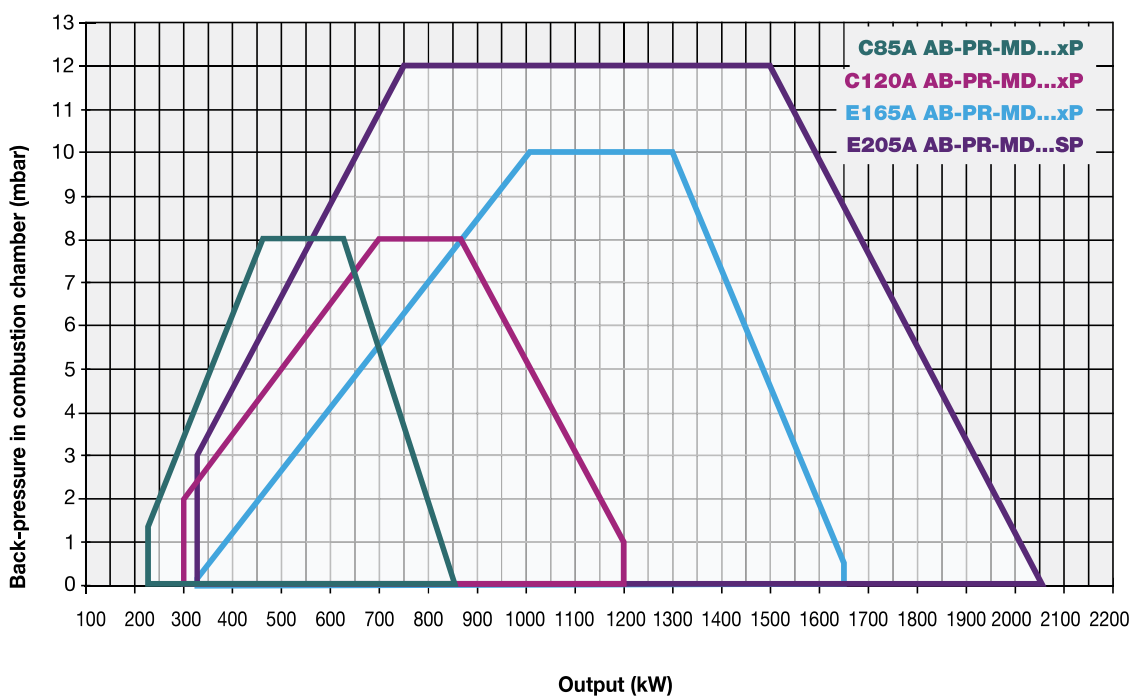


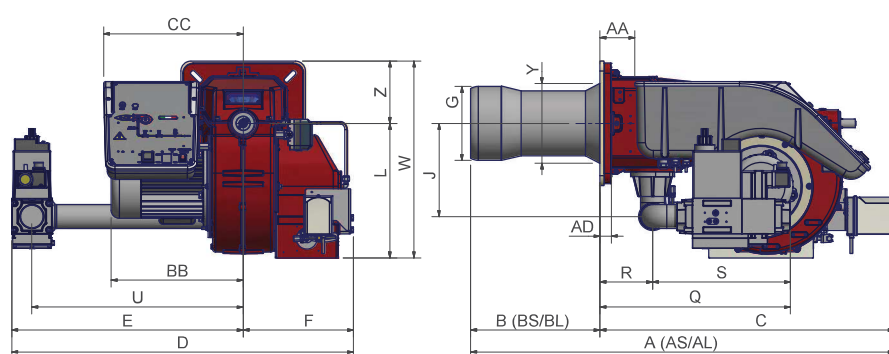
TECNOPRESS burners **Low NO_x Class 2 (< 120 mg/kWh)** cover a wide range of applications from 230 to 2.050 kW and are suitable either for heating generators with high back pressure or suction in combustion chamber. The bell-shaped combustion head is able to produce high performance flame.



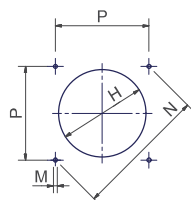
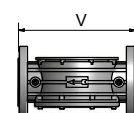
TECHNICAL DETAILS

Type	Model	Power kW		Electric power supply	Fan motor kW	Gas connections	Noise level dBA
		min.	max.				
C85A	M-.xx.xP.xx.A.0.xx	230	850	230/400 V 3N ac	1,1	1"¼ - 1"½ - 2" - DN65	< 80
C120A	M-.xx.xP.xx.A.0.xx	300	1.200	230/400 V 3N ac	1,5	1"½ - 2" - DN65 - DN80	< 80
E165A	M-.xx.xP.xx.A.1.xx	320	1.650	230/400 V 3N ac	2,2	1"½ - 2" - DN65 - DN80	< 80
E205A	M-.xx.SP.xx.A.1.xx	340	2.050	230/400 V 3N ac	3,0	1"½ - 2" - DN65 - DN80	< 80

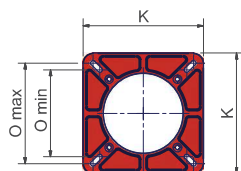
For the configuration of the gas train, see page 101.



DN65 - DN80



Suggested boiler drilling



Burner flange

Type	Packaging dimensions (mm)			
	l	p	h	kg
C85A	1345	835	750	60
C120A	1345	835	750	60
E165A	1465	815	800	125
E205A*	1465	815	800	125

Approximate values

* Approximate values (regarding model with gas train DN80)

Type	Model	Overall dimensions (mm)																													
		AA	AS	AL	BB	BS	BL	C	CC	D	E	F	G	H	I	J	K	L	M	N	O		P	Q	R	S	U	V	X	Y	Z
												min.		max.																	
C85A	M-.xx.xP.xx.A.0.32	87	1122	1212	345	320	410	802	328	879	634	245	184	218	198	238	300	335	M10	330	216	250	233	456	131	325	525	-	490	198	155
C85A	M-.xx.xP.xx.A.0.40	87	1122	1212	345	320	410	802	328	879	634	245	184	218	198	238	300	335	M10	330	216	250	233	456	131	325	525	-	490	198	155
C85A	M-.xx.xP.xx.A.0.50	87	1122	1212	345	320	410	802	328	864	619	245	184	218	198	238	300	335	M10	330	216	250	233	469	131	338	525	-	490	198	155
C85A	M-.xx.xP.xx.A.0.65	87	1122	1212	345	320	410	802	328	935	690	245	184	218	198	284	300	335	M10	330	216	250	233	539	131	408	565	292	490	198	155
C120A	M-.xx.xP.xx.A.0.40	87	1182	1292	345	380	490	802	320	879	634	245	234	264	198	238	300	347	M10	330	216	250	233	456	131	325	525	-	502	198	155
C120A	M-.xx.xP.xx.A.0.50	87	1182	1292	345	380	490	802	320	864	619	245	234	264	198	238	300	347	M10	330	216	250	233	469	131	338	525	-	502	198	155
C120A	M-.xx.xP.xx.A.0.65	87	1182	1292	345	380	490	802	320	935	690	245	234	264	198	284	300	347	M10	330	216	250	233	539	131	408	565	292	502	198	155
C120A	M-.xx.xP.xx.A.0.80	87	1182	1292	345	380	490	802	320	935	690	245	234	264	198	284	300	347	M10	330	216	250	233	559	131	428	565	310	502	198	155
E165A	M-.xx.xP.xx.A.1.40	69	1221	1331	354	390	500	831	330	1050	716	334	234	264	210	233	300	420	M10	330	216	250	233	457	130	327	541	-	575	210	155
E165A	M-.xx.xP.xx.A.1.50	69	1221	1331	354	390	500	831	330	1050	716	334	234	264	210	233	300	420	M10	330	216	250	233	472	130	342	525	-	575	210	155
E165A	M-.xx.xP.xx.A.1.65	69	1244	1354	354	390	500	854	330	1134	800	334	234	264	210	233	300	420	M10	330	216	250	233	562	130	432	593	292	575	210	155
E165A	M-.xx.xP.xx.A.1.80	69	1258	1368	354	390	500	868	330	1108	774	334	234	264	210	287	300	420	M10	330	216	250	233	558	130	428	565	310	575	210	155
E205A	M-.xx.SP.xx.A.1.40	69	1334	-	374	503	-	831	374	1050	716	334	254	270	210	233	300	420	M10	330	216	250	233	472	130	342	525	-	575	210	155
E205A	M-.xx.SP.xx.A.1.50	69	1334	-	374	503	-	831	374	1050	716	334	254	270	210	233	300	420	M10	330	216	250	233	472	130	342	525	-	575	210	155
E205A	M-.xx.SP.xx.A.1.65	69	1357	-	374	503	-	854	374	1134	800	334	254	270	210	233	300	420	M10	330	216	250	233	562	130	432	593	292	575	210	155
E205A	M-.xx.SP.xx.A.1.80	69	1371	-	374	503	-	868	374	1108	774	334	254	270	210	287	300	420	M10	330	216	250	233	558	130	428	593	310	575	210	155

Approximate values

MECHANICAL OPERATION

Model	Gas train	Operation	C85A...xP		C120A...xP	
			Code	Price €	Code	Price €
M-.AB.SP.xx.A.0.32	1"¼	AB	033010142		-	
M-.AB.SP.xx.A.0.40	1"½	AB	033010342		033011742	
M-.AB.SP.xx.A.0.50	2"	AB	033010542		033011942	
M-.AB.SP.xx.A.0.65	DN65	AB	033010742		033012142	
M-.AB.SP.xx.A.0.80	DN80	AB	-		033012342	
M-.PR.SP.xx.A.0.32	1"¼	PR (*)	033010143		-	
M-.PR.SP.xx.A.0.40	1"½	PR (*)	033010343		033011743	
M-.PR.SP.xx.A.0.50	2"	PR (*)	033010543		033011943	
M-.PR.SP.xx.A.0.65	DN65	PR (*)	033010743		033012143	
M-.PR.SP.xx.A.0.80	DN80	PR (*)	-		033012343	

Model	Gas train	Operation	E165A...xP		E205A...SP ***	
			Code	Price €	Code	Price €
M-.AB.SP.xx.A.1.40	1"½	AB	030017352		030018152	
M-.AB.SP.xx.A.1.50	2"	AB	030017552		030018252	
M-.AB.SP.xx.A.1.65	DN65	AB	030017752		030018352	
M-.AB.SP.xx.A.1.80	DN80	AB	030017952		030018452	
M-.PR.SP.xx.A.1.40	1"½	PR (*)	030017353		030018153	
M-.PR.SP.xx.A.1.50	2"	PR (*)	030017553		030018253	
M-.PR.SP.xx.A.1.65	DN65	PR (*)	030017753		030018353	
M-.PR.SP.xx.A.1.80	DN80	PR (*)	030017953		030018453	

SP = Standard combustion head (BS)

LP = For long combustion head version (BL) increase the price (see price list)

(*) Progressive PR control, for modulating version MD add € (see price list).

In the full modulating version MD in order for the supply to be completed, the burner must be equipped with the respective modulating probe (see accessory table, page 174).

(***) Model E205A...SP has only one type of combustion head length BS.

In compliance with GAR DIRECTIVE 2016/426/EU

ELECTRONIC OPERATION

Model	Gas train	Operation	C85A...xP		C120A...xP	
			Code	Price €	Code	Price €
M-.PR.SP.xx.A.1.32 EA	1"¼	PR (*)	03301015A		-	
M-.PR.SP.xx.A.1.40.EA	1"½	PR (*)	03301035A		03301175A	
M-.PR.SP.xx.A.1.50.EA	2"	PR (*)	03301055A		03301195A	
M-.PR.SP.xx.A.1.65.EA	DN65	PR (*)	03301075A		03301215A	
M-.PR.SP.xx.A.1.80 EA	DN80	PR (*)	-		03301235A	

Model	Gas train	Operation	E165A...xP		E205A...SP ***	
			Code	Price €	Code	Price €
M-.PR.SP.xx.A.1.40.EA	1"½	PR (*)	03001735A		03001815A	
M-.PR.SP.xx.A.1.50.EA	2"	PR (*)	03001755A		03001825A	
M-.PR.SP.xx.A.1.65.EA	DN65	PR (*)	03001775A		03001835A	
M-.PR.SP.xx.A.1.80.EA	DN80	PR (*)	03001795A		03001845A	

SP = Standard combustion head (BS)

LP = For long combustion head version (BL) increase the price (see price list)

(*) Progressive PR control, for modulating version MD add € (see price list)

In the full modulating version MD in order for the supply to be completed, the burner must be equipped with the respective modulating probe (see accessory table, page 174).

(***) Model E205A...SP has only one type of combustion head length BS.

In compliance with GAR DIRECTIVE 2016/426/EU

ELECTRONIC OPERATION

Model	Gas train	Operation	C85A...xP		C120A...xP	
			Code	Price €	Code	Price €
M-.MD.SP.xx.A.1.32 ES	1"¼	MD (**)	03301015S		-	
M-.MD.SP.xx.A.1.40.ES	1"½	MD (**)	03301035S		03301175S	
M-.MD.SP.xx.A.1.50.ES	2"	MD (**)	03301055S		03301195S	
M-.MD.SP.xx.A.1.65.ES	DN65	MD (**)	03301075S		03301215S	
M-.MD.SP.xx.A.1.80.ES	DN80	MD (**)	-		03301235S	

Model	Gas train	Operation	E165A...xP		E205A...SP ***	
			Code	Price €	Code	Price €
M-.MD.SP.xx.A.1.40.ES	1"½	MD (**)	03001735S		03001815S	
M-.MD.SP.xx.A.1.50.ES	2"	MD (**)	03001755S		03001825S	
M-.MD.SP.xx.A.1.65.ES	DN65	MD (**)	03001775S		03001835S	
M-.MD.SP.xx.A.1.80.ES	DN80	MD (**)	03001795S		03001845S	

SP = Standard combustion head (BS)

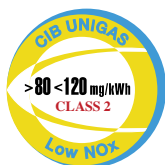
LP = For long combustion head version (BL) increase the price (see price list)

(**) The burners are already MD version.

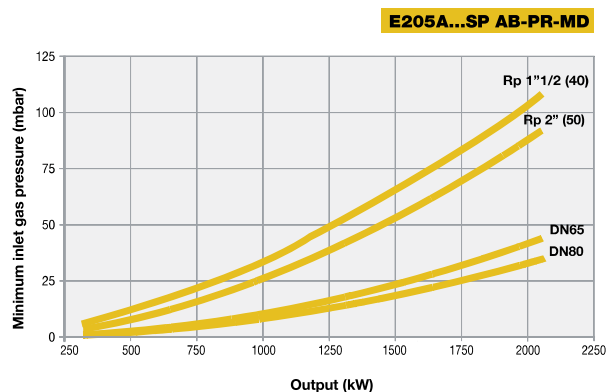
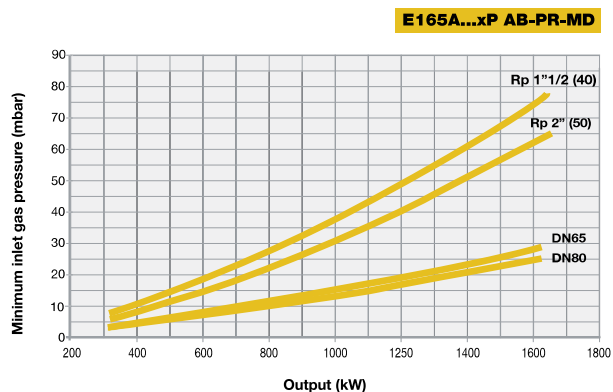
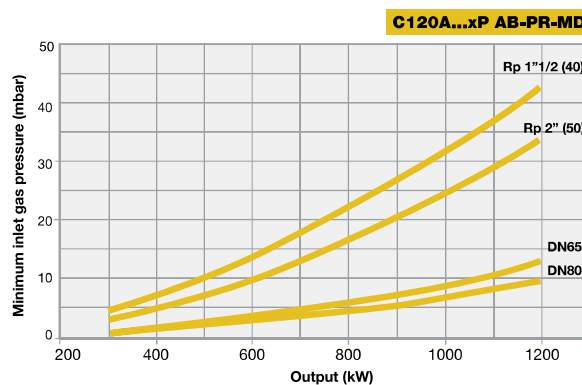
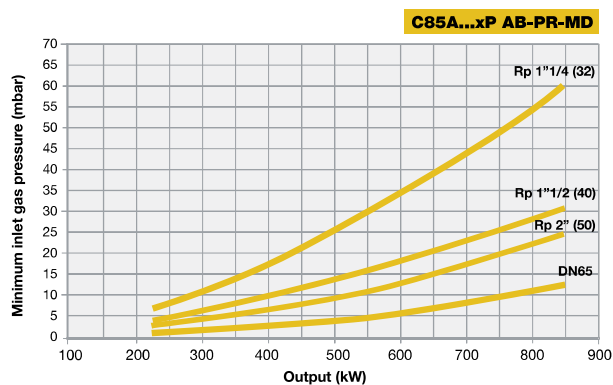
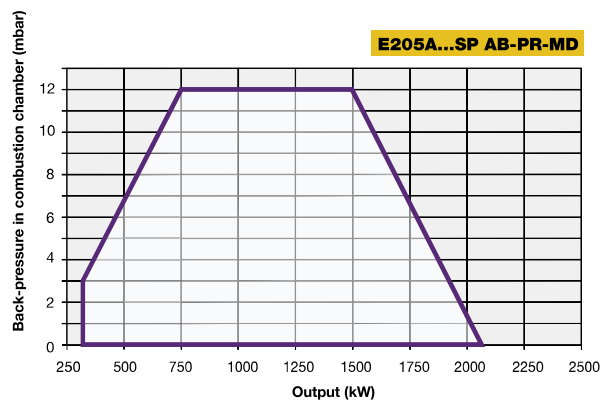
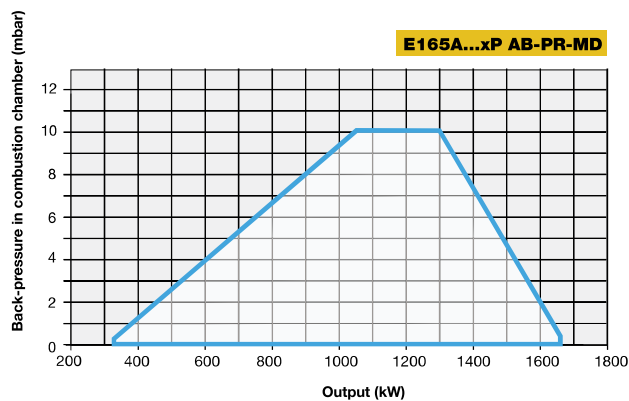
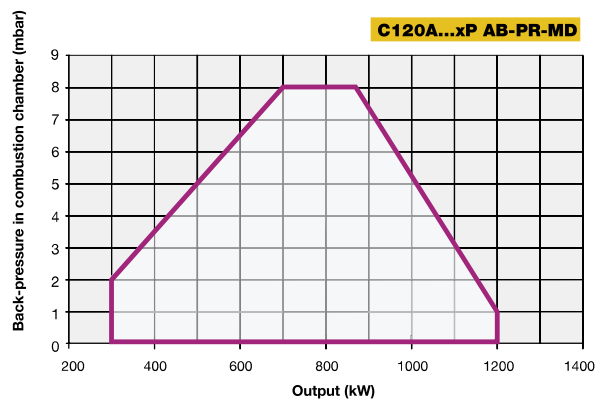
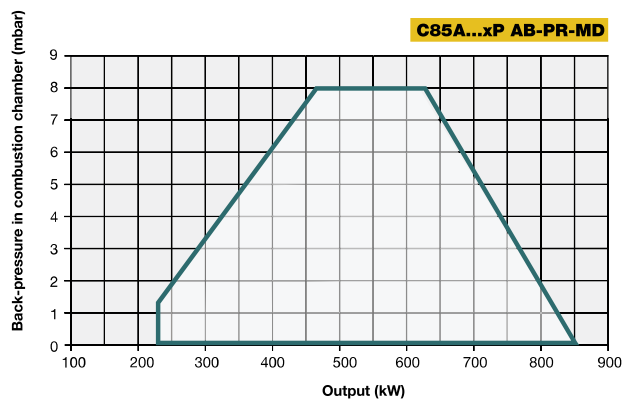
In order for the supply to be completed, the burner must be equipped with the respective modulating probe (see accessory table, page 174).

(***) Model E205A...SP has only one type of combustion head length BS.

In compliance with GAR DIRECTIVE 2016/426/EU

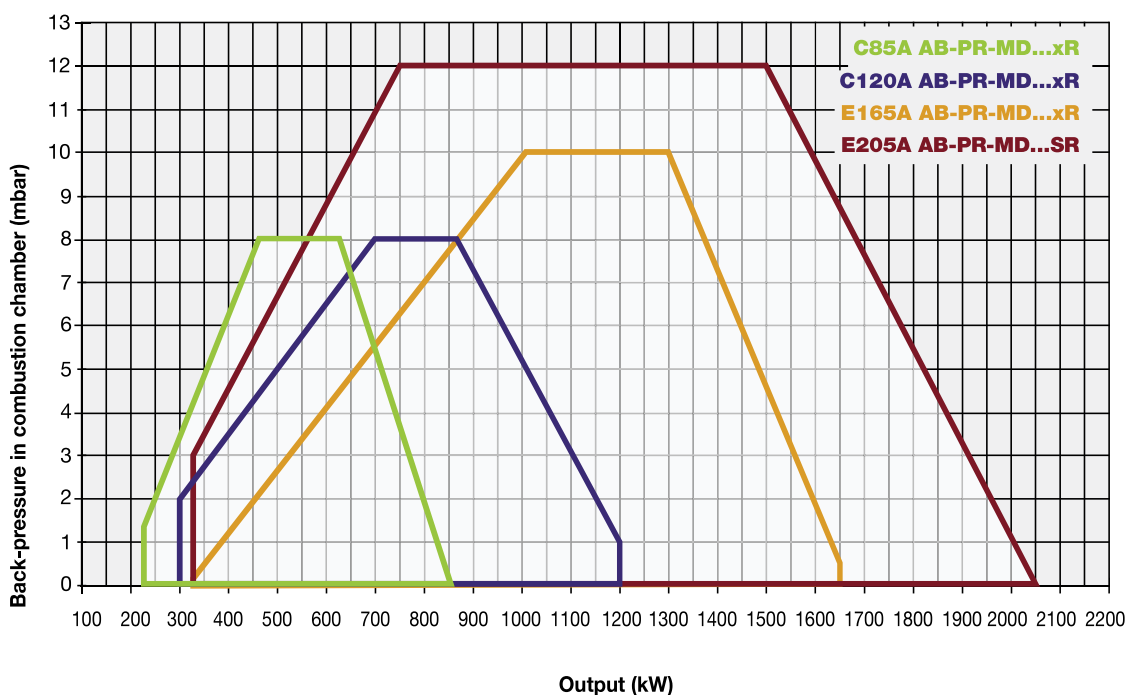


C85A C120A E165A E205A...xP **tecnopress** SERIES



Attention: the graph shows the value of the gas output (kW) against the corresponding pressure without the combustion chamber back pressure. To know the minimum gas pressure at gas train, in order to get the gas output, it is necessary to add the boiler back pressure to the value read on the curve.

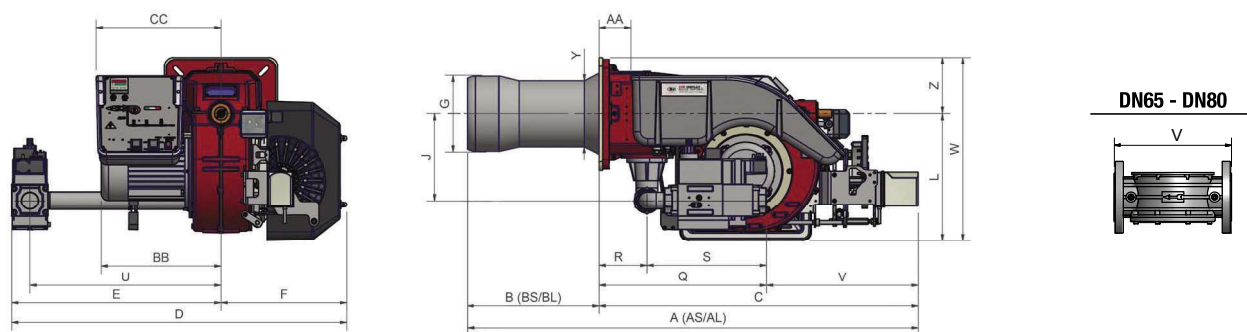
TECNOPRESS burners **Low NO_x Class 2 (< 120 mg/kWh)** cover a wide range of applications from 230 to 2.050 kW and are suitable either for heating generators with high back pressure or suction in combustion chamber. The bell-shaped combustion head is able to produce high performance flame. These models are equipped with air inlet silencer to reduce the noise level.



TECHNICAL DETAILS

Type	Model	Power kW		Electric power supply	Fan motor kW	Gas connections	Noise level dBA
		min.	max.				
C85A	M-.xx.xR.xx.A.0.xx	230	850	230/400 V 3N ac	1,1	1"¼ - 1"½ - 2" - DN65	< 75
C120A	M-.xx.xR.xx.A.0.xx	300	1.200	230/400 V 3N ac	1,5	1"½ - 2" - DN65 - DN80	< 75
E165A	M-.xx.xR.xx.A.1.xx	320	1.650	230/400 V 3N ac	2,2	1"½ - 2" - DN65 - DN80	< 75
E205A	M-.xx.SR.xx.A.1.xx	340	2.050	230/400 V 3N ac	3,0	1"½ - 2" - DN65 - DN80	< 75

For the configuration of the gas train, see page 101.



Suggested boiler drilling

Burner flange

Type	Packaging dimensions (mm)			
	l	p	h	kg
C85A	1345	835	750	60
C120A	1345	835	750	60
E165A	1465	815	800	125
E205A*	1465	815	800	125

Approximate values

* Approximate values (regarding model with gas train DN80)

Type	Model	Overall dimensions (mm)																													
		AA	AS	AL	BB	BS	BL	C	CC	D	E	F	G	H	I	J	K	L	M	N	O		P	Q	R	S	U	V	X	Y	Z
				min. max.																											
C85A	M-.xx.xR.xx.A.0.32	87	1193	1283	345	320	410	873	342	978	634	344	184	218	198	238	300	347	M10	330	216	250	233	456	131	325	525	-	502	198	155
C85A	M-.xx.xR.xx.A.0.40	87	1193	1283	345	320	410	873	342	978	634	344	184	218	198	238	300	347	M10	330	216	250	233	456	131	325	525	-	502	198	155
C85A	M-.xx.xR.xx.A.0.50	87	1193	1283	345	320	410	873	342	963	619	344	184	218	198	238	300	347	M10	330	216	250	233	469	131	338	525	-	502	198	155
C85A	M-.xx.xR.xx.A.0.65	87	1193	1283	345	320	410	873	342	1034	690	344	184	218	198	284	300	347	M10	330	216	250	233	539	131	408	565	292	502	198	155
C120A	M-.xx.xR.xx.A.0.40	87	1253	1363	345	380	490	873	345	978	634	344	234	264	198	238	300	357	M10	330	216	250	233	456	131	325	525	-	512	198	155
C120A	M-.xx.xR.xx.A.0.50	87	1253	1363	345	380	490	873	345	963	619	344	234	264	198	238	300	357	M10	330	216	250	233	469	131	338	525	-	512	198	155
C120A	M-.xx.xR.xx.A.0.65	87	1253	1363	345	380	490	873	345	1034	690	344	234	264	198	284	300	357	M10	330	216	250	233	539	131	408	565	292	512	198	155
C120A	M-.xx.xR.xx.A.1.80	87	1253	1363	345	380	490	873	345	1034	690	344	234	264	198	284	300	357	M10	330	216	250	233	559	131	428	565	310	512	198	155
E165A	M-.xx.xR.xx.A.1.40	69	1318	1428	372	390	500	928	350	1062	700	362	234	264	210	229	300	420	M10	330	216	250	233	465	130	335	525	-	575	210	155
E165A	M-.xx.xR.xx.A.1.50	69	1318	1428	372	390	500	928	350	1062	700	362	234	264	210	229	300	420	M10	330	216	250	233	465	130	335	525	-	575	210	155
E165A	M-.xx.xR.xx.A.1.65	69	1318	1428	372	390	500	928	350	1139	777	362	234	264	210	296	300	420	M10	330	216	250	233	533	130	403	570	292	575	210	155
E165A	M-.xx.xR.xx.A.1.80	69	1318	1428	372	390	500	928	350	1141	779	362	234	264	210	296	300	428	M10	330	216	250	233	574	130	444	570	310	583	210	155
E205A	M-.xx.SR.xx.A.1.40	69	1431	-	403	503	-	928	350	1013	651	362	254	270	210	233	300	453	M10	330	216	250	233	472	130	342	526	-	608	210	155
E205A	M-.xx.SR.xx.A.1.50	69	1431	-	403	503	-	928	350	1013	651	362	254	270	210	233	300	453	M10	330	216	250	233	472	130	342	526	-	608	210	155
E205A	M-.xx.SR.xx.A.1.65	69	1431	-	403	503	-	928	350	1162	800	362	254	270	210	233	300	453	M10	330	216	250	233	562	130	432	593	292	608	210	155
E205A	M-.xx.SR.xx.A.1.80	69	1431	-	403	503	-	928	350	1136	774	362	254	270	210	287	300	453	M10	330	216	250	233	558	130	428	565	310	608	210	155

Approximate values

MECHANICAL OPERATION

Model	Gas train	Operation	C85A...xR		C120A...xR	
			Code	Price €	Code	Price €
M-AB.SR.xx.A.0.32	1"¼	AB	033010942		-	
M-AB.SR.xx.A.0.40	1"½	AB	033011142		033012542	
M-AB.SR.xx.A.0.50	2"	AB	033011342		033012742	
M-AB.SR.xx.A.0.65	DN65	AB	033011542		033012942	
M-AB.SR.xx.A.0.80	DN80	AB	-		033013142	
M-PR.SR.xx.A.0.32	1"¼	PR (*)	033010943		-	
M-PR.SR.xx.A.0.40	1"½	PR (*)	033011143		033012543	
M-PR.SR.xx.A.0.50	2"	PR (*)	033011343		033012743	
M-PR.SR.xx.A.0.65	DN65	PR (*)	033011543		033012943	
M-PR.SR.xx.A.0.80	DN80	PR (*)	-		033013143	

Model	Gas train	Operation	E165A...xR		E205A...SR ***	
			Code	Price €	Code	Price €
M-AB.SR.xx.A.1.40	1"½	AB	030013752		030016952	
M-AB.SR.xx.A.1.50	2"	AB	030013952		030017052	
M-AB.SR.xx.A.1.65	DN65	AB	030014152		030017152	
M-AB.SR.xx.A.1.80	DN80	AB	030014352		030017252	
M-PR.SR.xx.A.1.40	1"½	PR	030013753		030016953	
M-PR.SR.xx.A.1.50	2"	PR	030013953		030017053	
M-PR.SR.xx.A.1.65	DN65	PR	030014153		030017153	
M-PR.SR.xx.A.1.80	DN80	PR	030014353		030017253	

SR = Standard combustion head (BS)

LR = For long combustion head version (BL) increase the price (see price list)

(*) Progressive PR control, for modulating version MD add € (see price list)

In the full modulating version MD in order for the supply to be completed, the burner must be equipped with the respective modulating probe (see accessory table, page 174).

(***) Model E205A...SR has only one type of combustion head length BS.

In compliance with GAR DIRECTIVE 2016/426/EU

ELECTRONIC OPERATION

Model	Gas train	Operation	C85A...xR		C120A...xR	
			Code	Price €	Code	Price €
M-.PR.SR.xx.A.1.32.EA	1"¼	PR	03301095A		-	
M-.PR.SR.xx.A.1.40.EA	1"½	PR	03301115A		03301255A	
M-.PR.SR.xx.A.1.50.EA	2"	PR	03301135A		03301275A	
M-.PR.SR.xx.A.1.65.EA	DN65	PR	03301155A		03301295A	
M-.PR.SR.xx.A.1.80.EA	DN80	PR	-		03301315A	

Model	Gas train	Operation	E165A...xR		E205A...SR ***	
			Code	Price €	Code	Price €
M-.PR.SR.xx.A.1.40.EA	1"½	PR	03001375A		03001695A	
M-.PR.SR.xx.A.1.50.EA	2"	PR	03001395A		03001705A	
M-.PR.SR.xx.A.1.65.EA	DN65	PR	03001415A		03001715A	
M-.PR.SR.xx.A.1.80.EA	DN80	PR	03001435A		03001725A	

SR = Standard combustion head (BS)

LR = For long combustion head version (BL) increase the price (see price list)

(*) Progressive PR control, for modulating version MD add € (see price list)

In the full modulating version MD in order for the supply to be completed, the burner must be equipped with the respective modulating probe (see accessory table, page 174).

(***) Model E205A...SR has only one type of combustion head length BS.

In compliance with GAR DIRECTIVE 2016/426/EU

ELECTRONIC OPERATION

Model	Gas train	Operation	C85A...xR		C120A...xR	
			Code	Price €	Code	Price €
M-.MD.SR.xx.A.1.32.ES	1"¼	MD (**)	03301095S		-	
M-.MD.SR.xx.A.1.40.ES	1"½	MD (**)	03301115S		03301255S	
M-.MD.SR.xx.A.1.50.ES	2"	MD (**)	03301135S		03301275S	
M-.MD.SR.xx.A.1.65.ES	DN65	MD (**)	03301155S		03301295S	
M-.MD.SR.xx.A.1.80.ES	DN80	MD (**)	-		03301315S	

Model	Gas train	Operation	E165A...xR		E205A...SR ***	
			Code	Price €	Code	Price €
M-.MD.SR.xx.A.1.40.ES	1"½	MD (**)	03001375S		03001695S	
M-.MD.SR.xx.A.1.50.ES	2"	MD (**)	03001395S		03001705S	
M-.MD.SR.xx.A.1.65.ES	DN65	MD (**)	03001415S		03001715S	
M-.MD.SR.xx.A.1.80.ES	DN80	MD (**)	03001435S		03001725S	

SR = Standard combustion head (BS)

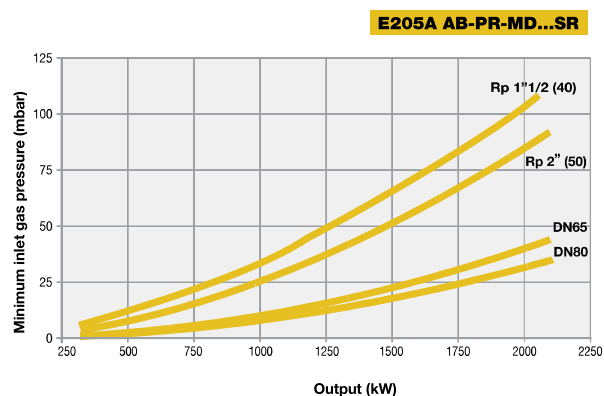
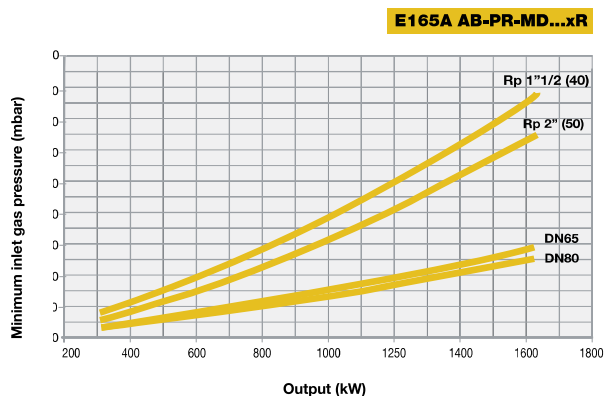
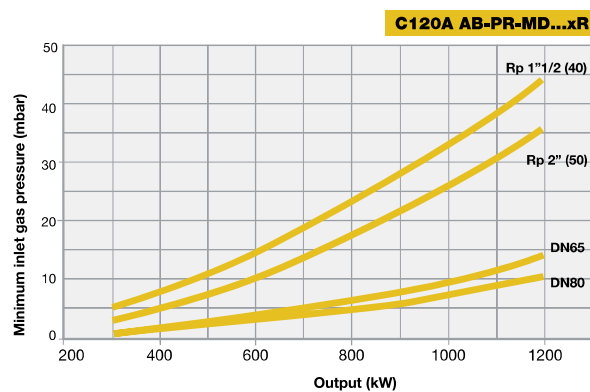
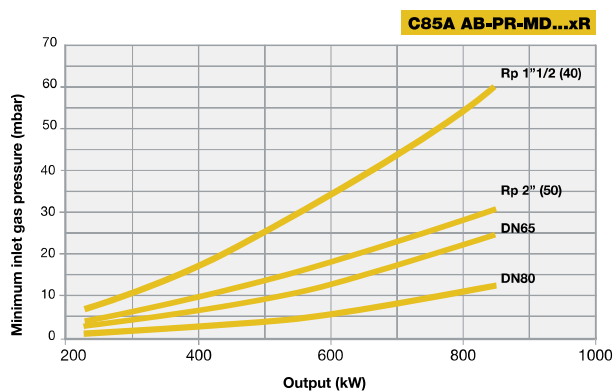
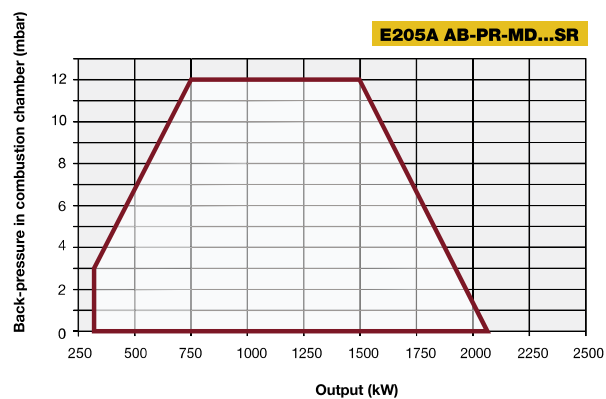
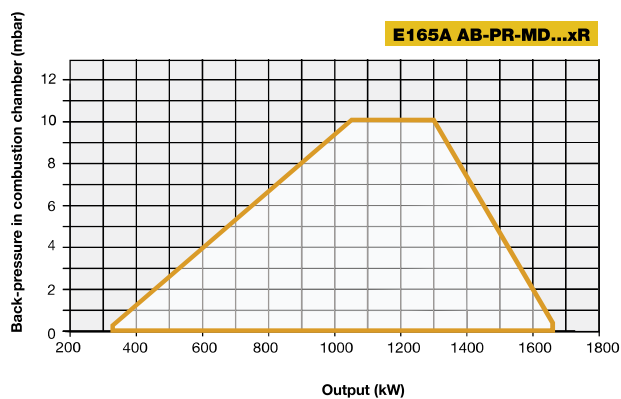
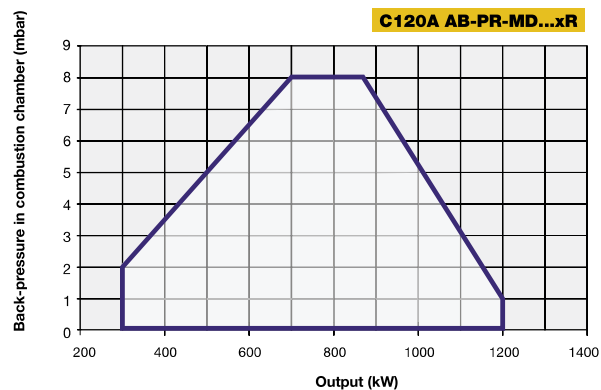
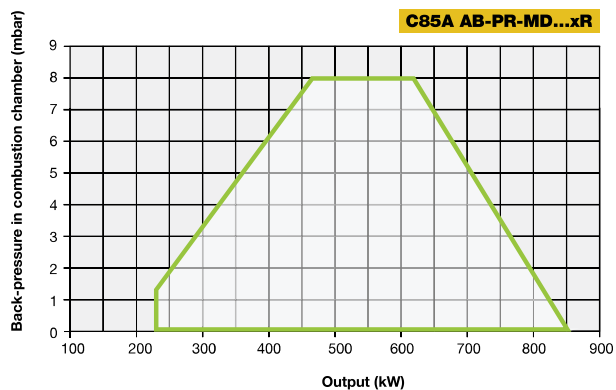
LR = For long combustion head version (BL) increase the price (see price list)

(**) The burners are already MD version.

In order for the supply to be completed, the burner must be equipped with the respective modulating probe (see accessory table, page 174).

(***) Model E205A...SR has only one type of combustion head length BS.

In compliance with GAR DIRECTIVE 2016/426/EU



Attention: the graph shows the value of the gas output (kW) against the corresponding pressure without the combustion chamber back pressure. To know the minimum gas pressure at gas train, in order to get the gas output, it is necessary to add the boiler back pressure to the value read on the curve.