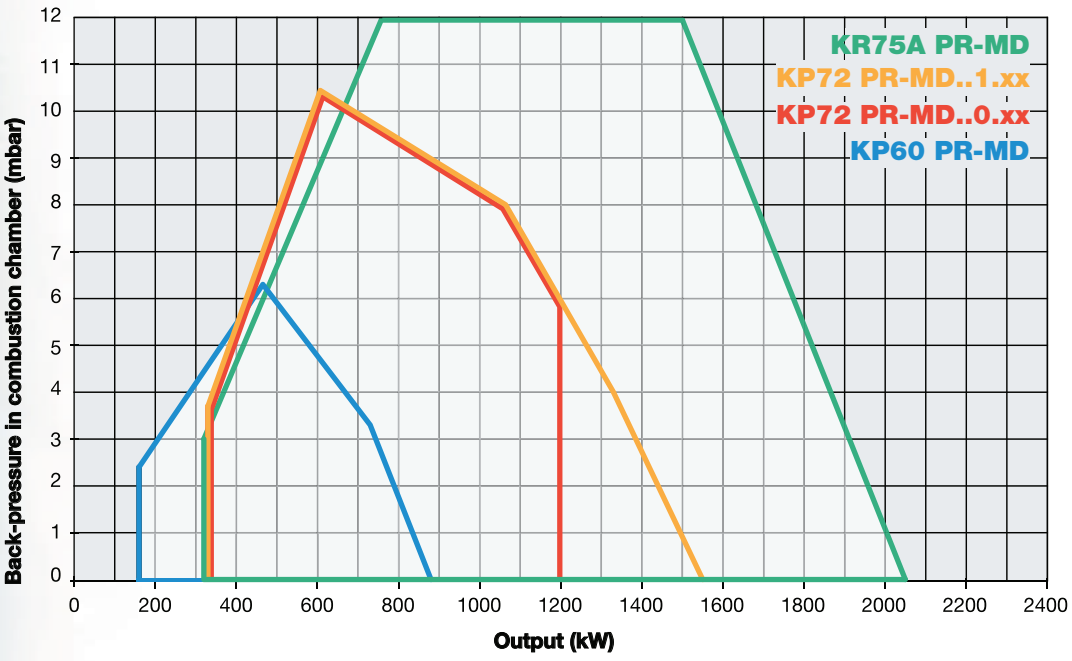
MECHANICAL ATOMIZATION

The need to meet any particolar requests, as building a burner able to burn either natural gas or heavy oil, has lead us to create the KP burner series, suitable for medium and large outputs and for industrial purposes. The output from 170 and 2300 kW allows many adjustments to satisfy all requests.
All burners with progressive for modulating operation, have been built to burn oils whose standard viscosity is 50 cSt at 50°C (7°E at 50°C). Upon request it is available the version for heavy oils up to 400 cSt at 50°C (50°E at 50°C). In order to keep the oil fluid, the burner is provided with a pre-heating tank equipped with low thermical load electrical resistance.

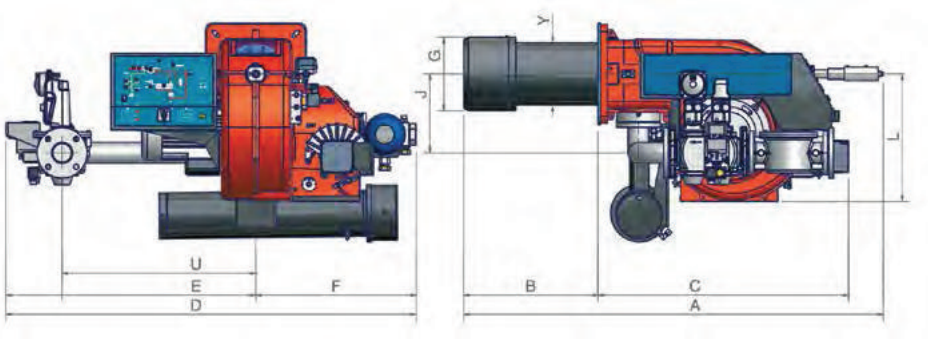
Electronic set up (optional)



TECHNICAL DETAILS

Type	Model	Power kW		Electric power	Fan motor	Pump motor	Resistor	Gas connections
		min.	max.	supply	kW	kW	kW	
KP60	MN.xx.S.IT.A.0.xx	160	880	230/400 V 3N ac	1,1	0,55	4,5	1"1/2 - 2" - DN65
KP72	MN.xx.S.IT.A.0.xx	330	1.200	230/400 V 3N ac	2,2	0,55	8,0	2" - DN65 - 80
KP72	MN.xx.S.IT.A.1.xx	330	1.550	230/400 V 3N ac	2,2	0,55	8,0	2" - DN65 - 80
KR75A	MN.xx.S.IT.A.1.xx	320	2.050	230/400 V 3N ac	3,0	1,10	12,0	2" - DN65 - 80

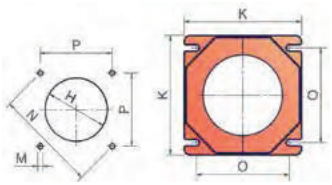
For the configuration of the gas train, see pages 112-113.



Type	Packaging dimensions* (mm)			
	l	*p*	*h*	kg
KP60	1730	1280	1020	176
KP72/KR75A	1730	1280	1020	280

(*) Approximate values

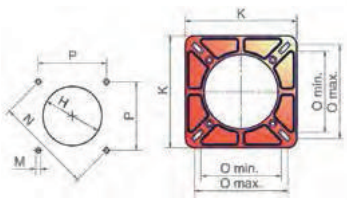
KP60



Suggested boiler drilling

Burner flange

KP72 - KR75A



Suggested boiler drilling

Burner flange

Type	Model	Overall dimensions* (mm)											Boiler drilling (mm)				Burner flange (mm)		
		A	B	C	D	E	F	G	J	Y	L	U	H	M	N	P	K	O	
																		min.	max.
KP60*	MN.xx.S.IT.A.0.xx	1116	376	740	1205	685	520	250	250	190	520	540	280	M10	269	190	240	190	190
KP72*	MN.xx.S.IT.A.0.xx	1325	505	820	1365	825	540	300	265	212	580	560	340	M10	330	233	300	216	250
KR75A*	MN.xx.S.IT.A.0.xx	1320	500	820	1365	825	540	254	265	212	580	560	270	M10	330	233	300	216	250

(*) Approximate values

MECHANICAL ATOMIZATION

MECHANICAL OPERATION

Model	Gas train	Operation	KP60 Code	KP60 Price €	KP72 Code	KP72 Price €
HEAVY OIL 50 cSt at 50°C (7°E at 50°C)						
MN.PR.S.IT.A.0.32	1"¼	PR	004080543		-	
MN.PR.S.IT.A.0.40	1"½	PR	004080143		008080443	
MN.PR.S.IT.A.0.50	2"	PR	004080243		008080143	
MN.PR.S.IT.A.0.65	DN65	PR	004080343		008080243	
MN.PR.S.IT.A.0.80	DN80	PR	-		008080343	
MN.PR.S.IT.A.1.40	1"½	PR	-		008080453	
MN.PR.S.IT.A.1.50	2"	PR	-		008080153	
MN.PR.S.IT.A.1.65▪	DN65	PR	-		008080253	
MN.PR.S.IT.A.1.80▪	DN80	PR	-		008080353	
MN.MD.S.IT.A.0.32	1"¼	MD(*)	004080544		-	
MN.MD.S.IT.A.0.40	1"½	MD(*)	004080144		008080444	
MN.MD.S.IT.A.0.50	2"	MD(*)	004080244		008080144	
MN.MD.S.IT.A.0.65	DN65	MD(*)	004080344		008080244	
MN.MD.S.IT.A.0.80	DN80	MD(*)	-		008080344	
MN.MD.S.IT.A.1.40	1"½	MD(*)	-		008080454	
MN.MD.S.IT.A.1.50▪	2"	MD(*)	-		008080154	
MN.MD.S.IT.A.1.65▪	DN65	MD(*)	-		008080254	
MN.MD.S.IT.A.1.80▪	DN80	MD(*)	-		008080354	

Model	Gas train	Operation	KR75A Code	KR75A Price €
HEAVY OIL 50 cSt at 50°C (7°E at 50°C)				
MN.PR.S.IT.A.1.50▪	2"	PR	008080553	
MN.PR.S.IT.A.1.65▪	DN65	PR	00808065	
MN.PR.S.IT.A.1.80▪	DN80	PR	008080753	
MN.MD.S.IT.A.1.50▪	2"	MD(*)	008080554	
MN.MD.S.IT.A.1.65▪	DN65	MD(*)	008080654	
MN.MD.S.IT.A.1.80▪	DN80	MD(*)	008080754	

(*) In order for the supply to be completed, the burner must be equipped with the respective modulating probe (see accessory table, page 238)
▪ = Burner equipped with gas leakage control
In compliance with DIRECTIVE 2009/142/CE
In compliance with DIRECTIVE E.M.C. 2004/108/CE and DIRECTIVE B.T. 2006/95/CE

MECHANICAL OPERATION

Model	Gas train	Operation	KP60		KP72	
			Code	Price €	Code	Price €
HEAVY OIL 400 cSt at 50° (50°E at 50°C)						
MD.PR.S.IT.A.0.32	1"¼	PR	004190543		-	
MD.PR.S.IT.A.0.40	1"½	PR	004190143		008190443	
MD.PR.S.IT.A.0.50	2"	PR	004190243		008190143	
MD.PR.S.IT.A.0.65	DN65	PR	004190343		008190243	
MD.PR.S.IT.A.0.80	DN80	PR	-		008190343	
MD.PR.S.IT.A.1.40	1"½	PR	-		008190453	
MD.PR.S.IT.A.1.50▪	2"	PR	-		008190153	
MD.PR.S.IT.A.1.65▪	DN65	PR	-		008190253	
MD.PR.S.IT.A.1.80▪	DN80	PR	-		008190353	
MD.MD.S.IT.A.0.32	1"¼	MD(*)	004190544		-	
MD.MD.S.IT.A.0.40	1"½	MD(*)	004190144		008190444	
MD.MD.S.IT.A.0.50	2"	MD(*)	004190244		008190144	
MD.MD.S.IT.A.0.65	DN65	MD(*)	004190344		008190244	
MD.MD.S.IT.A.0.80	DN80	MD(*)	-		008190344	
MD.MD.S.IT.A.1.40	1"½	MD(*)	-		008190454	
MD.MD.S.IT.A.1.50▪	2"	MD(*)	-		008190154	
MD.MD.S.IT.A.1.65▪	DN65	MD(*)	-		008190254	
MD.MD.S.IT.A.1.80▪	DN80	MD(*)	-		008190354	

Model	Gas train	Operation	KR75A	
			Code	Price €
HEAVY OIL 400 cSt at 50° (50°E at 50°C)				
MD.PR.S.IT.A.1.50▪	2"	PR	008190553	
MD.PR.S.IT.A.1.65▪	DN65	PR	008190653	
MD.PR.S.IT.A.1.80▪	DN80	PR	008190753	
MD.MD.S.IT.A.1.50▪	2"	MD(*)	008190554	
MD.MD.S.IT.A.1.65▪	DN65	MD(*)	008190654	
MD.MD.S.IT.A.1.80▪	DN80	MD(*)	008190754	

(*) In order for the supply to be completed, the burner must be equipped with the respective modulating probe (see accessory table, page 238)
▪ = Burner equipped with gas leakage control
In compliance with DIRECTIVE 2009/142/CE
In compliance with DIRECTIVE E.M.C. 2004/108/CE and DIRECTIVE B.T. 2006/95/CE

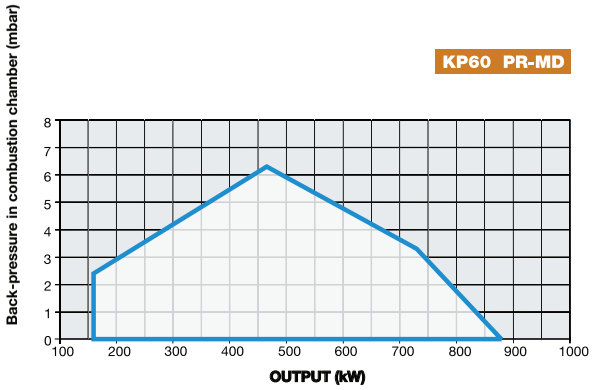
MECHANICAL ATOMIZATION

ELECTRONIC OPERATION

Model	Gas train	Operation	KP60 Code	KP60 Price €	KP72 Code	KP72 Price €	KR75A Code	KR75A Price €
HEAVY OIL 50 cSt at 50°C (7°E at 50°C)								
MN.MD.S.IT.A.1.32.ES	1"½	MD(*)	00408055S		-		-	
MN.MD.S.IT.A.1.40.ES	1"½	MD(*)	00408015S		00808045S		-	
MN.MD.S.IT.A.1.50.ES	2"	MD(*)	00408025S		00808015S		00808055S	
MN.MD.S.IT.A.1.65.ES	DN65	MD(*)	00408035S		00808025S		00808065S	
MN.MD.S.IT.A.1.80.ES	DN80	MD(*)	-		00808035S		00808075S	
HEAVY OIL 400 cSt at 50° (50°E at 50°C)								
MD.MD.S.IT.A.1.32.ES	1"½	MD(*)	00419055S		-		-	
MD.MD.S.IT.A.1.40.ES	1"½	MD(*)	00419015S		00819045S		-	
MD.MD.S.IT.A.1.50.ES	2"	MD(*)	00419025S		00819015S		00819055S	
MD.MD.S.IT.A.1.65.ES	DN65	MD(*)	00419035S		00819025S		00819065S	
MD.MD.S.IT.A.1.80.ES	DN80	MD(*)	-		00819035S		00819075S	

(*) In order for the supply to be completed, the burner must be equipped with the respective modulating probe (see accessory table, page 238)
In compliance with DIRECTIVE 2009/142/CE
In compliance with DIRECTIVE E.M.C. 2004/108/CE and DIRECTIVE B.T. 2006/95/CE

KP60 PR-MD



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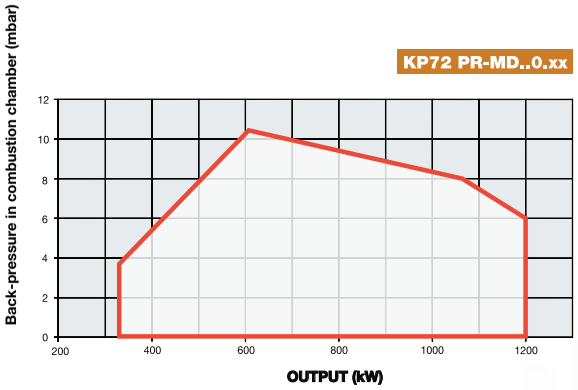

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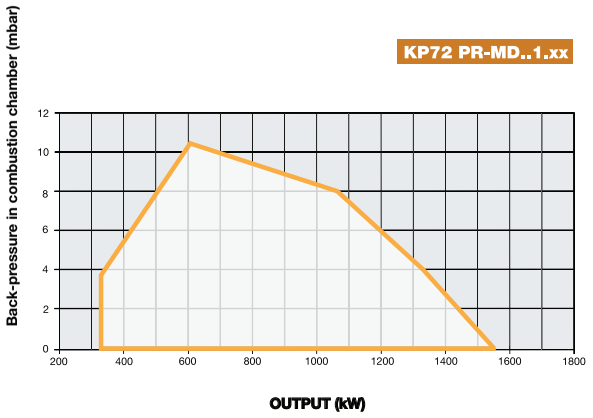
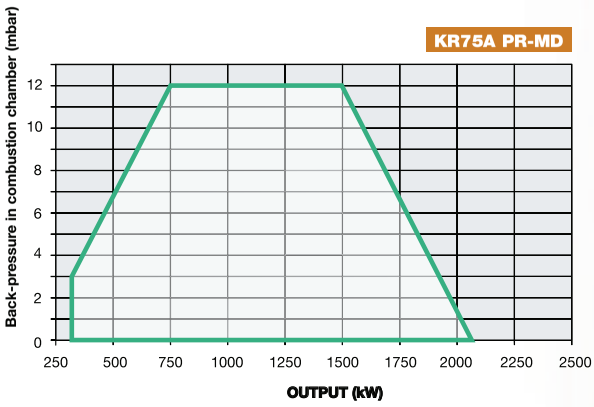
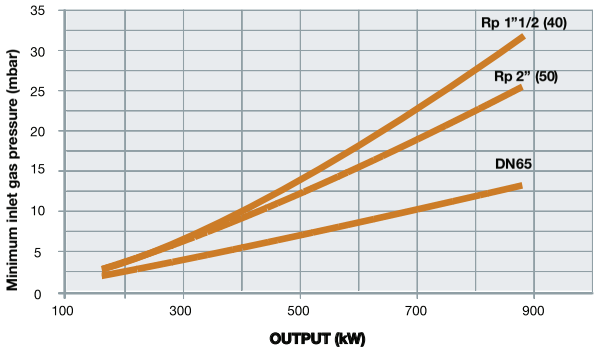


KR75A PR-MD



KP60 PR-MD



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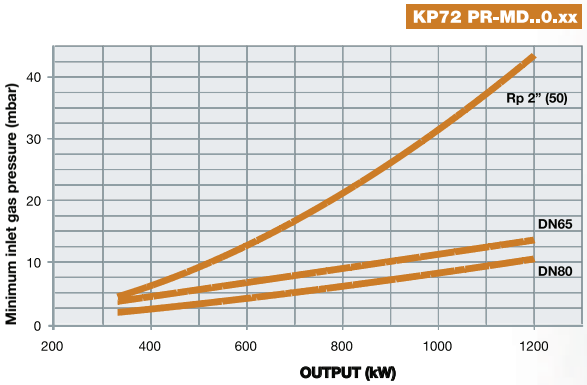

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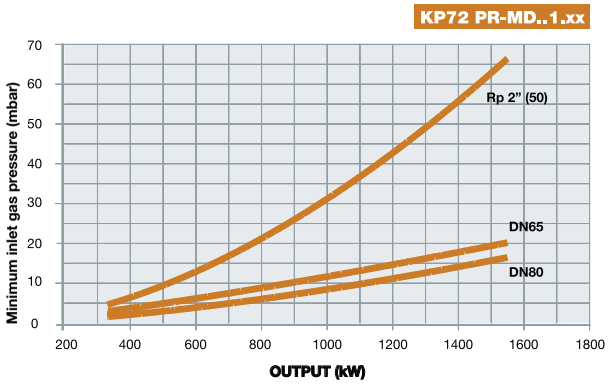

KR75A PR-MD