



Nova Pro

One stage Low NOx oil burner

- Out power range from 14.5 kW up to 64 kW (from 1.22 Kg/h up to 5.4 Kg/h)
- All models of the NOVA PRO range are in NOx class 4 (<120 mg/kWh) in compliance with EN 267 European Standard
- The R models are supplied complete with a pre-heater to improve starting in cold locations
- Each component of burners has been designed to facilitate adjustment and maintenance
- Burners are supplied as standard with: Fixing flange and screws / Insulation flange gasket / 7-pin connector / Oil nozzle / 2 flexible pipes / Oil filter / Instructions manual

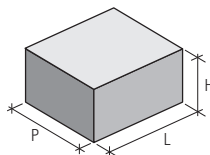
The NOVA PRO series complies with:

- 2006/42/EC Machinery Directive
- 2014/30/UE EMC Directive
- 2014/35/UE Low Voltage Directive
- 813/2013/UE Ecodesign Erp Regulation
- EN267 European standard
- 2006/42/EC Efficiency
- 2011/65/EU RoHS2 Directive

Burner code	Burner model
0UEM7DXD	NOVA 4 PRO
0UEM7KXD	NOVA 4 R PRO
0UEM9DXD	NOVA 8 PRO
0UEM9KXD	NOVA 8 R PRO

Packaging dimensions (in mm)

Model	Packaging dimension (mm)			Total weight (Kg)
	L	P	H	
NOVA 4 PRO	420	390	270	8.4
NOVA 4 R PRO	420	390	270	8.4
NOVA 8 PRO	420	390	270	8.4
NOVA 8 R PRO	420	390	270	8.4



Burner model	Type of flame tube (3)	NOx class (2)	Operation	Flow rate (Kg/h)		Output power (kW)		Electrical supply	Motor absorption	Total absorption	Nozzle supplied
				Min	Max	Min	Max	Phase/V/Hz	W	W	
NOVA 4 PRO	TC	4 (ERP)	One stage	1.22	3.79	14.5	45	1/230/50	75	350	Danfoss 0.60 60°S
NOVA 4 R PRO (1)	TC	4 (ERP)	One stage	1.22	3.79	14.5	45	1/230/50	75	360	Danfoss 0.60 60°S
NOVA 8 PRO	TC	4 (ERP)	One stage	2.11	5.4	25	64	1/230/50	90	400	Danfoss 0.85 60°S
NOVA 8 R PRO (1)	TC	4 (ERP)	One stage	2.11	5.4	25	64	1/230/50	90	410	Danfoss 0.85 60°S

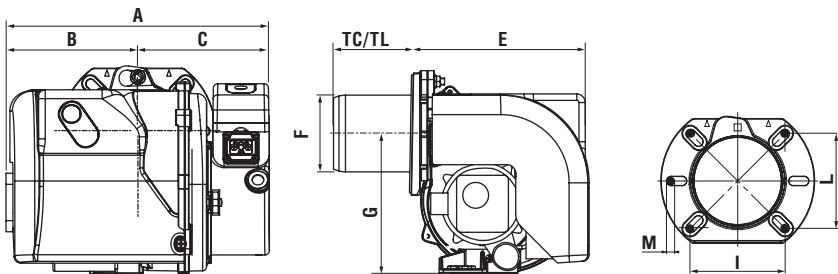
(1) R version with preheater

(2) NOx class 4 <120 mg/kW/h in according with EN 267

(3) TC - Short flame tube

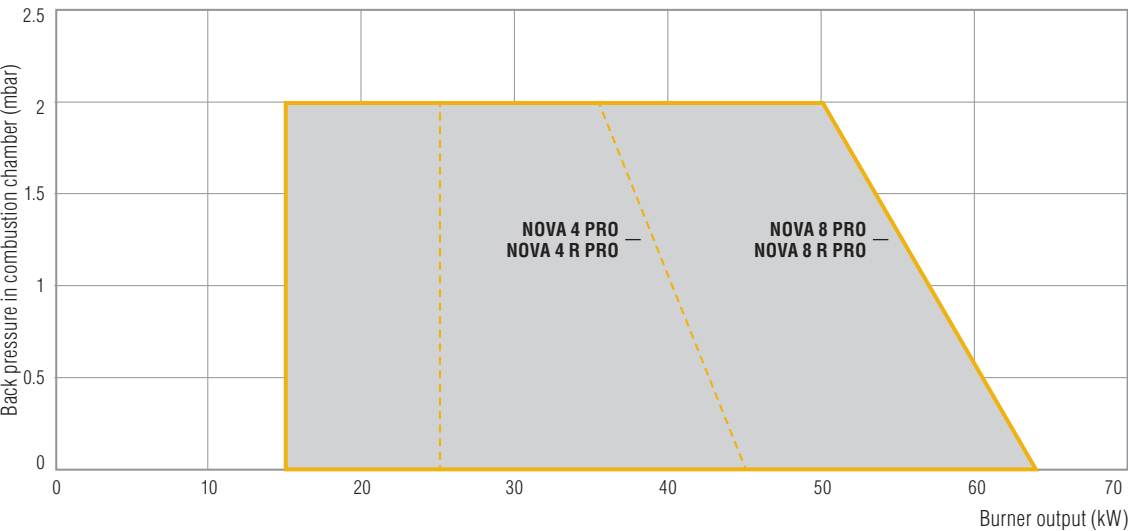
Dimensions (in mm)

NOVA 4 PRO | NOVA 4 R PRO | NOVA 8 PRO | NOVA 8 R PRO



Model	Dimension (mm)										
	A	B	C	E	TC	TL	F	G	I	L	M
NOVA 4 PRO	297	149	148	204	90	-	89	160	90/107	90/107	M8
NOVA 4 R PRO	297	149	148	204	90	-	89	160	90/107	90/107	M8
NOVA 8 PRO	303	155	148	204	90	-	89	160	100/120	100/120	M8
NOVA 8 R PRO	303	155	148	204	90	-	89	160	100/120	100/120	M8

Working diagrams





Nova/2 Pro

Two stage Low NOx oil burner

- Out power range from 32 kW up to 450 kW (from 2.7 Kg/h up to 37.94 Kg/h)
- All models of the NOVA/2 PRO range are in NOx class 4 (<120 mg/kWh) in compliance with EN 267 European Standard
- Available with two different combustion head lengths to favorite the matching with several combustion chambers
- Air gate control of the two-stage versions with hydraulic jack
- Each component of burners has been designed to facilitate adjustment and maintenance
- Burners are supplied as standard with: Fixing flange and screws / Insulation flange gasket / 7-pin connector / 4-pin connector / Oil nozzle / 2 flexible pipes / Oil filter / Instructions manual

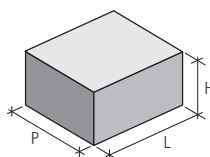
The NOVA/2 PRO series complies with:

- 2006/42/EC Machinery Directive
- 2014/30/UE EMC Directive
- 2014/35/UE Low Voltage Directive
- 813/2013/UE Ecodesign Erp Regulation
- EN267 European standard
- 2006/42/EC Efficiency
- 2011/65/EU RoHS2 Directive

Burner code	Burner model
0UEBCDXD	NOVA 12/2 PRO
0UEBCGXD	NOVA 12/2 L PRO
0UEBEDXD	NOVA 15/2 PRO
0UEBEGXD	NOVA 15/2 L PRO
0UEBFDXD	NOVA 25/2 PRO
0UEBFGXD	NOVA 25/2 L PRO
0UEBGDXD	NOVA 35/2 PRO
0UEBGGXD	NOVA 35/2 L PRO
0UEBHDXD	NOVA 50/2 PRO
0UEBHGXD	NOVA 50/2 L PRO

Packaging dimensions (in mm)

Model	Packaging dimension (mm)			Total weight (Kg)
	L	P	H	
NOVA 12/2 PRO	420	390	270	8.4
NOVA 12/2 L PRO	420	390	270	8.4
NOVA 15/2 PRO	610	430	320	8.4
NOVA 15/2 L PRO	610	430	320	8.4
NOVA 25/2 PRO	610	430	320	17.3
NOVA 25/2 L PRO	610	430	320	17.3
NOVA 35/2 PRO	610	430	320	17.3
NOVA 35/2 L PRO	610	430	320	17.3
NOVA 50/2 PRO	610	430	320	17.3
NOVA 50/2 L PRO	610	430	320	17.3



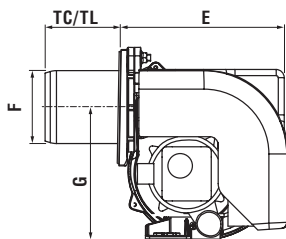
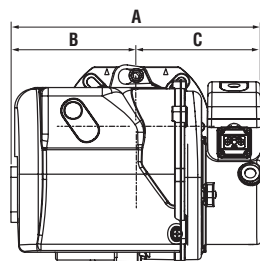
Burner model	Type of flame tube (3)	NOx class (2)	Operation	Flow rate (Kg/h)		Output power (kW)		Electrical supply	Motor absorption	Total absorption	Nozzle supplied
				Min	Max	Min	Max	Phase/V/Hz	W	W	
NOVA 12/2 PRO	TC	4 (ERP)	Two stage	2.7	9.7	32	115	1/230/50	130	450	Danfoss 1.50 60°S
NOVA 12/2 L PRO	TL	4 (ERP)	Two stage	2.7	9.7	32	115	1/230/50	130	450	Danfoss 1.50 60°S
NOVA 15/2 PRO	TC	4 (ERP)	Two stage	5.54	14.33	65.7	172.1	1/230/50	160	500	Danfoss 2.25 60°S
NOVA 15/2 L PRO	TL	4 (ERP)	Two stage	5.54	14.33	65.7	172.1	1/230/50	160	500	Danfoss 2.25 60°S
NOVA 25/2 PRO	TC	4 (ERP)	Two stage	8.43	22.01	100	261	1/230/50	200	600	Danfoss 3.75 60°S
NOVA 25/2 L PRO	TL	4 (ERP)	Two stage	8.43	22.01	100	261	1/230/50	200	600	Danfoss 3.75 60°S
NOVA 35/2 PRO	TC	4 (ERP)	Two stage	11.79	32.43	140	385	1/230/50	550	700	Danfoss 4.50 60°B
NOVA 35/2 L PRO	TL	4 (ERP)	Two stage	11.79	32.43	140	385	1/230/50	550	700	Danfoss 4.50 60°B
NOVA 50/2 PRO	TC	4 (ERP)	Two stage	15.18	37.94	180	450	1/230/50	550	800	Danfoss 5.00 60°B
NOVA 50/2 L PRO	TL	4 (ERP)	Two stage	15.18	37.94	180	450	1/230/50	550	800	Danfoss 5.00 60°B

(2) NOx class 4 <120 mg/kWh in according with EN 267

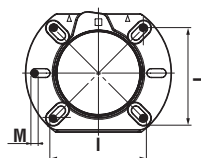
(3) TC/TL - Short flame tube / Long flame tube

Dimensions (in mm)

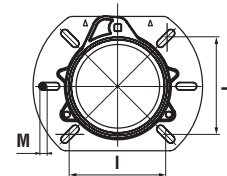
NOVA 12/2 PRO | NOVA 12/2 L PRO | NOVA 15/2 PRO | NOVA 15/2 L PRO | NOVA 25/2 PRO | NOVA 25/2 L PRO



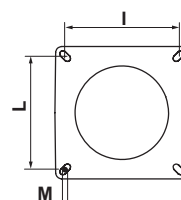
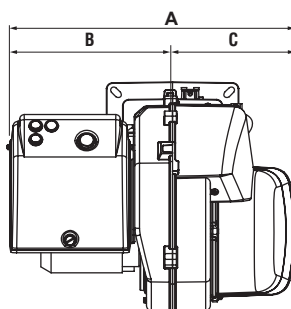
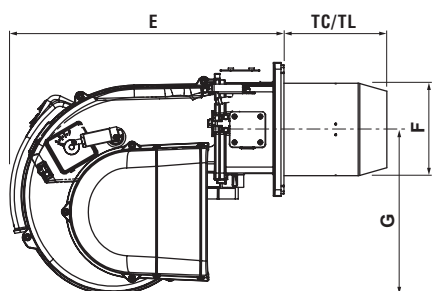
**NOVA 12/2 PRO
NOVA 12/2 L PRO**



**NOVA 15/2 PRO | NOVA 15/2 L PRO
NOVA 25/2 PRO | NOVA 25/2 L PRO**

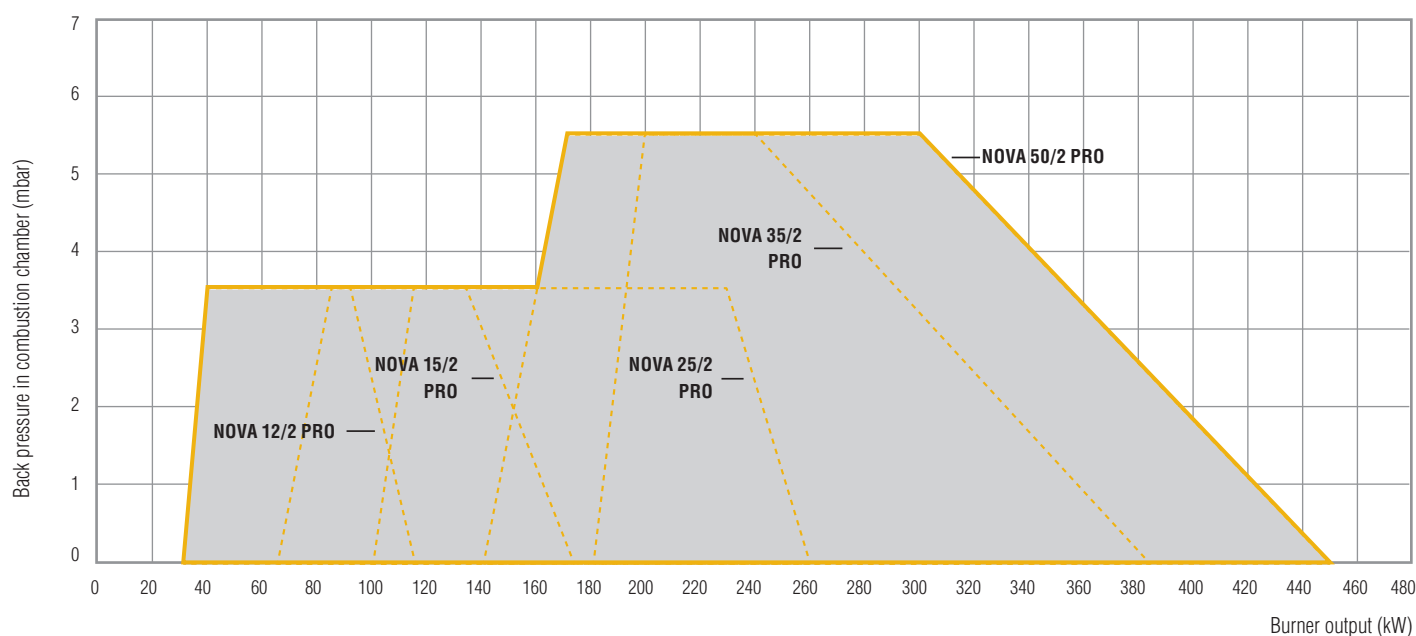


NOVA 35/2 PRO | NOVA 35/2 L PRO | NOVA 50/2 PRO | NOVA 50/2 L PRO



Model	Dimension (mm)										
	A	B	C	E	TC	TL	F	G	I	L	M
NOVA 12/2 PRO	317	169	148	204	100	-	98	160	100/120	100/120	M8
NOVA 12/2 L PRO	317	169	148	204	-	170	98	160	100/120	100/120	M8
NOVA 15/2 PRO	392	202	190	276	160	-	107	201	120/131	120/131	M8
NOVA 15/2 L PRO	392	202	190	276	-	260	107	201	120/131	120/131	M8
NOVA 25/2 PRO	392	202	190	276	160	-	125	201	120/131	120/131	M8
NOVA 25/2 L PRO	392	202	190	276	-	260	125	201	120/131	120/131	M8
NOVA 35/2 PRO	501	207	207	466	175	-	160	280	185/200	185/200	M8
NOVA 35/2 L PRO	501	207	207	466	-	365	160	280	185/200	185/200	M8
NOVA 50/2 PRO	501	207	207	466	175	-	160	280	185/200	185/200	M8
NOVA 50/2 L PRO	501	207	207	466	-	365	160	280	185/200	185/200	M8

Working diagrams (working area are the same for TC/TL models)





Nova

One stage oil burner

- Out power range from 15.4 kW up to 350 kW (from 1.3 Kg/h up to 29.48 Kg/h)
- All models of NOVA range comply with NOx Class 2 (<185 mg/kWh) according to the EN 267 European Standard
- R models are supplied complete with a pre-heater to improve startup in cold locations
- Each component of burners has been designed to facilitate adjustment and maintenance
- Starting from model 12, the burners are available with two different combustion head lengths to facilitate compatibility with various combustion chambers
- Burners are supplied as standard with: Fixing flange and screws / Insulation flange gasket / 7-pin connector / Oil nozzle / 2 flexible pipes / Oil filter / Instructions manual

The NOVA series complies with:

- 2006/42/EC Machinery Directive
- 2014/30/UE EMC Directive
- 2014/35/UE Low Voltage Directive
- EN267 European standard
- 2006/42/EC Efficiency
- 2011/65/EU RoHS2 Directive

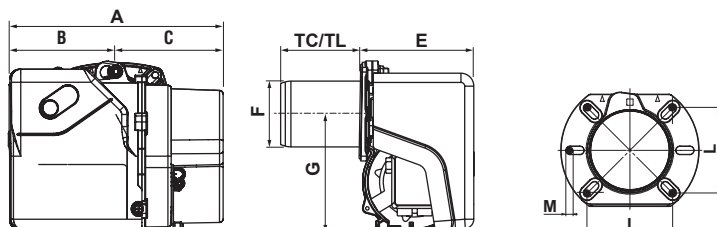
Burner code	Burner model
OUEM7EXD	NOVA 1
OUEM7LXD	NOVA 1 R
OUEM8EXD	NOVA 4
OUEM8LXD	NOVA 4 R
OUEMBEXD	NOVA 8
OUEMBHXD	NOVA 8 L
OUEMBLXD	NOVA 8 R
OUEMBOXD	NOVA 8 R L
OUEMDEXD	NOVA 12
OUEMDHXD	NOVA 12 L
OUEMFEXD	NOVA 15
OUEMFHXD	NOVA 15 L
OUEMYEXD	NOVA 20
OUEMYHXD	NOVA 20 L
OUEMGEXD	NOVA 25
OUEMGHXD	NOVA 25 L
OUEMZEXD	NOVA 30
OUEMZHXD	NOVA 30 L

Burner model	Type of flame tube (3)	NOx class (2)	Operation	Flow rate (Kg/h)		Output power (kW)		Electrical supply Phase/V/Hz	Motor absorption W	Total absorption W	Nozzle supplied
				Min	Max	Min	Max				
NOVA 1	TC	2	One stage	1.3	3.5	15.4	41	1/230/50	75	300	Danfoss 0.65 80°S
NOVA 1 R (1)	TC	2	One stage	1.21	3.5	14.4	41	1/230/50	75	310	Danfoss 0.65 80°S
NOVA 4	TC	2	One stage	1.7	5	20	59	1/230/50	75	300	Danfoss 0.75 60°S
NOVA 4 R (1)	TC	2	One stage	1.7	5	20	59	1/230/50	75	310	Danfoss 0.75 60°S
NOVA 8	TC	2	One stage	4	8.9	47	105	1/230/50	90	350	Danfoss 1.50 60°S
NOVA 8 L	TL	2	One stage	4	8.9	47	105	1/230/50	90	350	Danfoss 1.50 60°S
NOVA 8 R (1)	TC	2	One stage	4	7.9	47	105	1/230/50	90	360	Danfoss 1.50 60°S
NOVA 8 R L (1)	TL	2	One stage	4	8.9	47	105	1/230/50	90	360	Danfoss 1.50 60°S
NOVA 12	TC	2	One stage	5.1	11	60	130	1/230/50	90	350	Danfoss 2.50 60°S
NOVA 12 L	TL	2	One stage	5.1	11	60	130	1/230/50	90	350	Danfoss 2.50 60°S
NOVA 15	TC	2	One stage	6.2	16	73	190	1/230/50	130	400	Danfoss 3.00 60°S
NOVA 15 L	TL	2	One stage	6.2	16	73	190	1/230/50	130	400	Danfoss 3.00 60°S
NOVA 20	TC	2	One stage	7.3	21.1	86.4	250	1/230/50	150	400	Danfoss 3.50 60°S
NOVA 20 L	TL	2	One stage	7.3	21	86.4	250	1/230/50	150	400	Danfoss 3.50 60°S
NOVA 25	TC	2	One stage	12.63	25.27	150	300	1/230/50	200	450	Danfoss 5.00 60°S
NOVA 25 L	TL	2	One stage	12.63	25.27	150	300	1/230/50	200	450	Danfoss 5.00 60°S
NOVA 30	TC	2	One stage	12.63	29.48	150	350	1/230/50	200	500	Danfoss 6.00 60°S
NOVA 30 L	TL	2	One stage	12.63	29.48	150	350	1/230/50	200	500	Danfoss 6.00 60°S

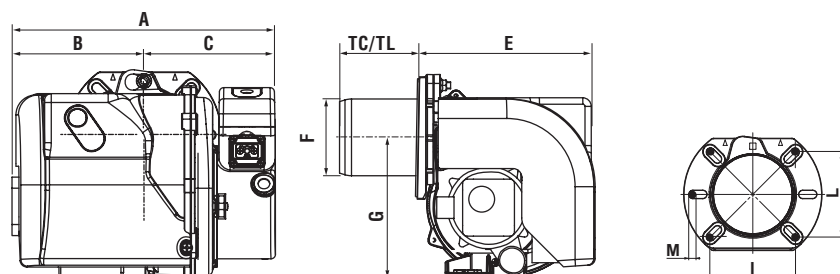
(1) R version with preheater - (2) NOx class 2 <185 mg/kW/h in according with EN 267 - (3) TC/TL - Short flame tube / Long flame tube

Dimensions (in mm)

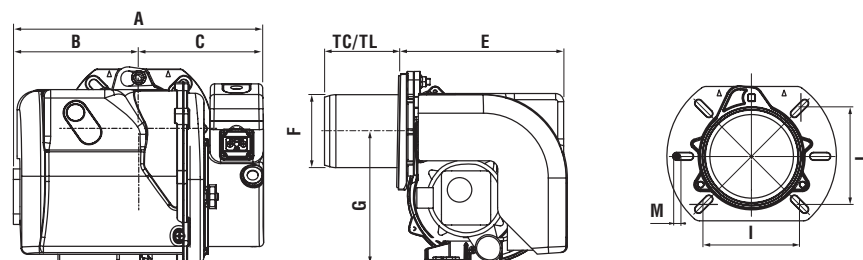
NOVA 1 | NOVA 1 R



NOVA 4 | NOVA 4 R | NOVA 8 | NOVA 8 L | NOVA 8 R | NOVA 8 R L | NOVA 12 | NOVA 12 L



NOVA 15 | NOVA 15 L | NOVA 20 | NOVA 20 L | NOVA 25 | NOVA 25 L | NOVA 30 | NOVA 30 L

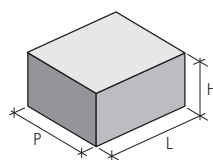


Model	Dimensions (mm)										
	A	B	C	E	TC	TL	F	G	I	L	M
NOVA 1	288	143	145	153	90	-	89	160	92/107	92/107	M8
NOVA 1 R	288	143	145	153	90	-	89	160	92/107	92/107	M8
NOVA 4	297	149	148	204	90	-	89	160	90/107	90/107	M8
NOVA 4 R	297	149	148	204	90	-	89	160	90/107	90/107	M8
NOVA 8	303	155	148	204	90	-	89	89	100/120	100/120	M8
NOVA 8 L	303	155	148	204	-	145	89	89	100/120	100/120	M8
NOVA 8 R	303	155	148	204	90	-	89	89	100/120	100/120	M8
NOVA 8 R L	303	155	148	204	-	185	89	89	100/120	100/120	M8
NOVA 12	317	169	148	204	100	-	98	160	100/120	100/120	M8
NOVA 12 L	317	169	148	204	-	170	98	160	100/120	100/120	M8
NOVA 15	392	202	190	276	160	-	107	202	120/131	120/131	M8
NOVA 15 L	392	202	190	276	-	260	107	202	120/131	120/131	M8
NOVA 20	392	202	190	276	160	-	125	201	120/131	120/131	M8
NOVA 20 L	392	202	190	276	-	260	125	201	120/131	120/131	M8
NOVA 25	392	202	190	276	160	-	125	201	120/131	120/131	M8
NOVA 25 L	392	202	190	276	-	260	125	201	120/131	120/131	M8
NOVA 30	392	202	190	276	160	-	125	201	120/131	120/131	M8
NOVA 30 L	392	202	190	276	-	260	125	201	120/131	120/131	M8

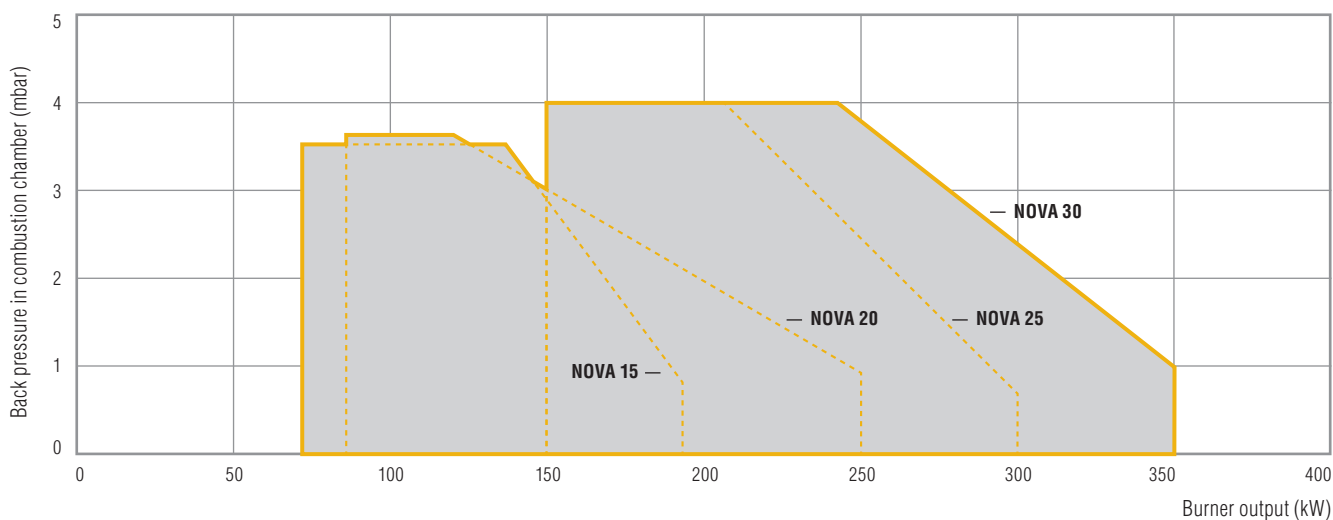
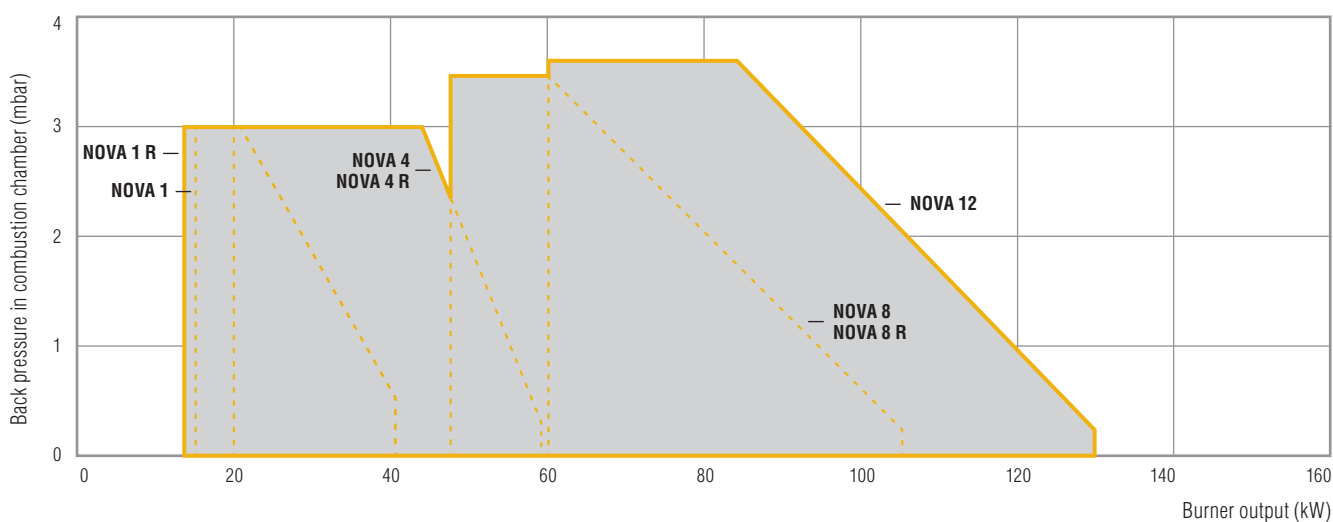
Light oil burners

Packaging dimensions (in mm)

Model	Packaging dimension (mm)			Total weight (Kg)
	L	P	H	
NOVA 1	385	330	290	9.1
NOVA 1 R	385	330	290	9.1
NOVA 4	420	390	270	10
NOVA 4 R	420	390	270	10
NOVA 8	420	390	270	10.5
NOVA 8 L	420	390	270	10.5
NOVA 8 R	420	390	270	10.5
NOVA 8 R L	420	390	270	10.5
NOVA 12	420	390	270	11
NOVA 12 L	420	390	270	11
NOVA 15	610	430	320	17.3
NOVA 15 L	610	430	320	17.3
NOVA 20	610	430	320	17.3
NOVA 20 L	610	430	320	17.3
NOVA 25	610	430	320	17.3
NOVA 25 L	610	430	320	17.3
NOVA 30	610	430	320	17.3
NOVA 30 L	610	430	320	17.3



Working diagrams (working area are the same for TC/TL models)





Nova/2

Two stage oil burner

- Out power range from 60 kW up to 546 kW (from 5.1 Kg/h up to 46 Kg/h)
- All models of NOVA/2 range comply with NOx Class 2 (<185 mg/kWh) according to the EN 267 European Standard
- Each component of burners has been designed to facilitate adjustment and maintenance
- Each model of burners are available with two different combustion head lengths to facilitate compatibility with various combustion chambers
- Burners are supplied as standard with: Fixing flange and screws / Insulation flange gasket / 7-pin connector / 4-pin connector / Oil nozzle / 2 flexible pipes / Oil filter / Instructions manual

The NOVA/2 series complies with:

- 2006/42/EC Machinery Directive
- 2014/30/UE EMC Directive
- 2014/35/UE Low Voltage Directive
- EN267 European standard
- 2006/42/EC Efficiency
- 2011/65/EU RoHS2 Directive

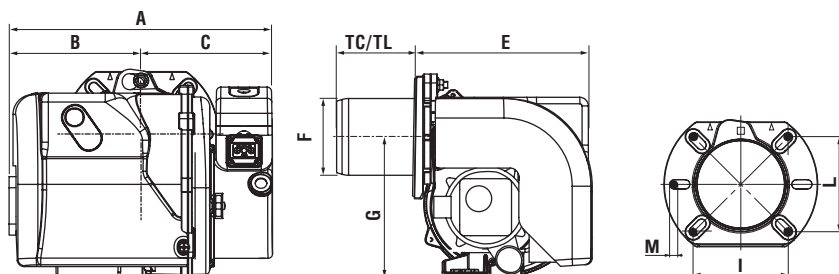
Burner code	Burner model
QUEBDEXD	NOVA 12/2
QUEBDHxD	NOVA 12/2 L
QUEBFEXD	NOVA 15/2
QUEBFHxD	NOVA 15/2 L
QUEBYEXD	NOVA 20/2
QUEBYHxD	NOVA 20/2 L
QUEBGEXD	NOVA 25/2
QUEBGHxD	NOVA 25/2 L
QUEBZEXD	NOVA 30/2
QUEBZHxD	NOVA 30/2 L
QUEBIEXD	NOVA 45/2
QUEBIHxD	NOVA 45/2 L

Burner model	Type of flame tube (3)	NOx class (2)	Operation	Flow rate (Kg/h)		Output power (kW)		Electrical supply Phase/V/Hz	Motor absorption W	Total absorption W	Nozzle supplied
				Min	Max	Min	Max				
NOVA 12/2	TC	2	Two stage	5.05	10.96	60	130	1/230/50	90	350	Danfoss 1.75 60°S
NOVA 12/2 L	TL	2	Two stage	5.05	10.96	60	130	1/230/50	90	350	Danfoss 1.75 60°S
NOVA 15/2	TC	2	Two stage	6.2	16	73	190	1/230/50	130	400	Danfoss 2.50 60°S
NOVA 15/2 L	TL	2	Two stage	6.2	16	73	190	1/230/50	130	400	Danfoss 2.50 60°S
NOVA 20/2	TC	2	Two stage	7.3	21.06	86.4	250	1/230/50	150	400	Danfoss 3.00 60°S
NOVA 20/2 L	TL	2	Two stage	7.3	21.06	86.4	250	1/230/50	150	400	Danfoss 3.00 60°S
NOVA 25/2	TC	2	Two stage	12.63	25.27	150	300	1/230/50	200	450	Danfoss 4.00 60°S
NOVA 25/2 L	TL	2	Two stage	12.63	25.27	150	300	1/230/50	200	450	Danfoss 4.00 60°S
NOVA 30/2	TC	2	Two stage	12.63	29.48	150	350	1/230/50	200	500	Danfoss 5.00 60°S
NOVA 30/2 L	TL	2	Two stage	12.63	29.48	150	350	1/230/50	200	500	Danfoss 5.00 60°S
NOVA 45/2	TC	2	Two stage	17	46	202	546	3/230-400/50	550	800	Danfoss 5.50 60°S
NOVA 45/2 L	TL	2	Two stage	17	46	202	546	3/230-400/50	550	800	Danfoss 5.50 60°S

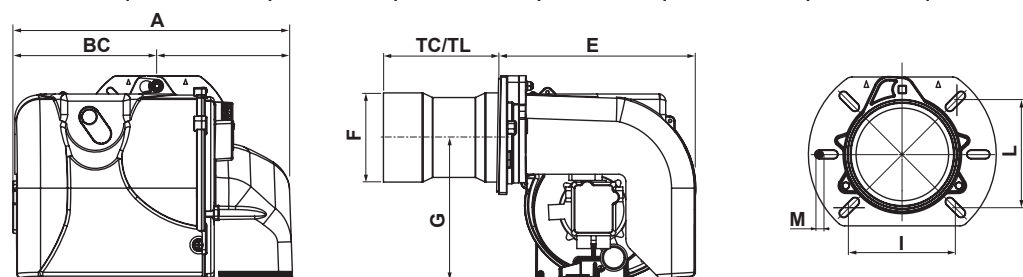
(2) NOx class 2 <185 mg/kWh in according with EN 267 - (3) TC/TL - Short flame tube / Long flame tube

Dimensions (in mm)

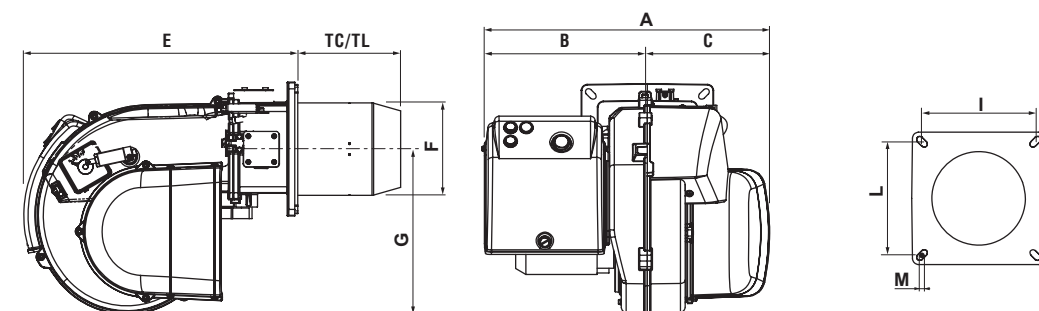
NOVA 12/2 | NOVA 12/2 L



NOVA 15/2 | NOVA 15/2 L | NOVA 20/2 | NOVA 20/2 L | NOVA 25/2 | NOVA 25/2 L | NOVA 30/2 | NOVA 30/2 L



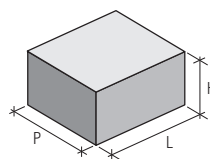
NOVA 45/2 | NOVA 45/2 L



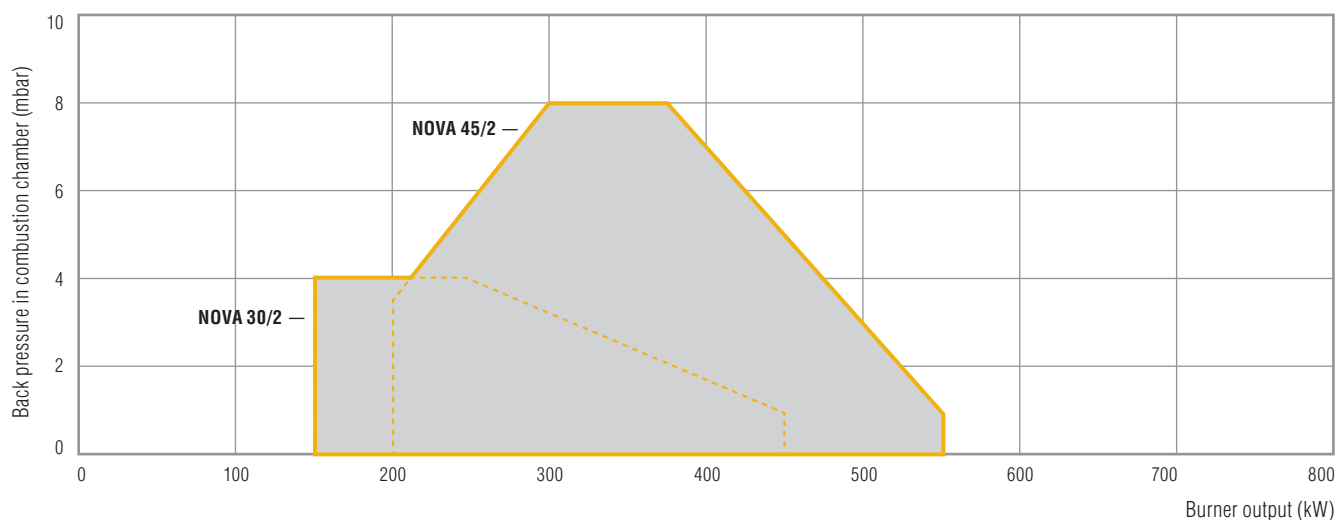
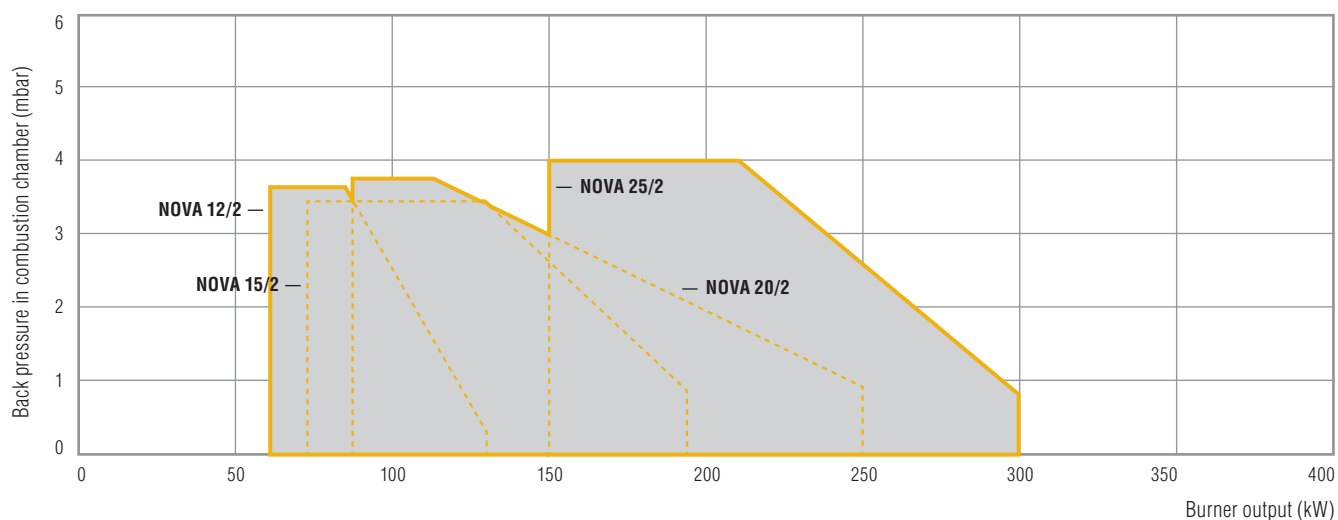
Model	Dimensions (mm)										
	A	B	C	E	TC	TL	F	G	I	L	M
NOVA 12/2	317	169	148	204	100	-	98	160	100/120	100/120	M8
NOVA 12/2 L	317	169	148	204	-	170	98	160	100/120	100/120	M8
NOVA 15/2	392	202	190	276	160	-	107	201	120/131	120/131	M8
NOVA 15/2 L	392	202	190	276	-	260	107	201	120/131	120/131	M8
NOVA 20/2	392	202	190	276	160	-	125	201	120/131	120/131	M8
NOVA 20/2 L	392	202	190	276	-	260	125	201	120/131	120/131	M8
NOVA 25/2	392	202	190	276	160	-	125	201	120/131	120/131	M8
NOVA 25/2 L	392	202	190	276	-	260	125	201	120/131	120/131	M8
NOVA 30/2	392	202	190	276	160	-	125	201	120/131	120/131	M8
NOVA 30/2 L	392	202	190	276	-	260	125	201	120/131	120/131	M8
NOVA 45/2	501	294	207	466	175	-	160	280	185/200	185/200	M8
NOVA 45/2 L	501	294	207	466	-	365	160	280	185/200	185/200	M8

Packaging dimensions (in mm)

Model	Packaging dimension (mm)			Total weight (Kg)
	L	P	H	
NOVA 12/2	420	390	270	11
NOVA 12/2 L	420	390	270	11
NOVA 15/2	610	430	320	17.3
NOVA 15/2 L	610	430	320	17.3
NOVA 20/2	610	430	320	17.3
NOVA 20/2 L	610	430	320	17.3
NOVA 25/2	610	430	320	17.3
NOVA 25/2 L	610	430	320	17.3
NOVA 30/2	610	430	320	17.3
NOVA 30/2 L	610	430	320	17.3
NOVA 45/2	610	430	320	17.3
NOVA 45/2 L	610	430	320	17.3



Working diagrams (working area are the same for TC/TL models)





Nova/2 Tec

Two stage oil burner

- Out power range from 237 kW up to 2372 kW (from 20 Kg/h up to 200 Kg/h)
- All models of NOVA/2 TEC range comply with NOx Class 2 (<185 mg/kWh) according to the EN 267 European Standard
- Each component of burners has been designed to facilitate adjustment and maintenance
- Each model of burners are available with two different combustion head lengths to facilitate compatibility with various combustion chambers
- Burners are supplied as standard with: Fixing flange and screws / Insulation flange gasket / oil nozzle / 2 flexible pipes / Oil filter / Instructions manual

The NOVA/2 TEC series complies with:

- 2006/42/EC Machinery Directive
- 2014/30/UE EMC Directive
- 2014/35/UE Low Voltage Directive
- EN267 European standard

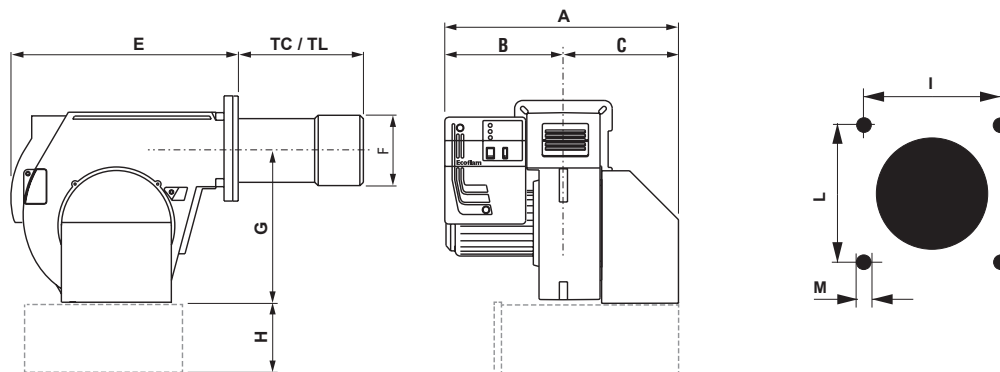
Burner code	Burner model
QUEBKEXD	NOVA 60/2 TEC
QUEBKHXD	NOVA 60/2 L TEC
QUEBLEXD	NOVA 80/2 TEC
QUEBLHXD	NOVA 80/2 L TEC
QUEBOEXD	NOVA 120/2 TEC
QUEBOHXD	NOVA 120/2 L TEC
QUEBPEXD	NOVA 150/2 TEC
QUEBPHXD	NOVA 150/2 L TEC
QUEBQEXD	NOVA 200/2 TEC
QUEBQHxD	NOVA 200/2 L TEC

Burner model	Type of flame tube (3)	NOx class (2)	Operation	Flow rate (Kg/h)		Output power (kW)		Electrical supply	Motor absorption	Nozzle supplied
				Min	Max	Min	Max	Phase/V/Hz	W	
NOVA 60/2 TEC	TC	2	Two stage	20	60	415	710	3/230-400/50	1.1	7 GPH 60°-5 GPH 60° PLP
NOVA 60/2 L TEC	TL	2	Two stage	20	60	415	710	3/230-400/50	1.1	7 GPH 60°-5 GPH 60° PLP
NOVA 80/2 TEC	TC	2	Two stage	26	80	474	949	3/230-400/50	1.1	7 GPH 60°-8 GPH 60° PLP
NOVA 80/2 L TEC	TL	2	Two stage	26	80	474	949	3/230-400/50	1.1	7 GPH 60°-8 GPH 60° PLP
NOVA 120/2 TEC	TC	2	Two stage	40	120	830	1423	3/230-400/50	2.2	8.50 GPH 60°-12 GPH 60° PLP
NOVA 120/2 L TEC	TL	2	Two stage	40	120	830	1423	3/230-400/50	2.2	8.50 GPH 60°-12 GPH 60° PLP
NOVA 150/2 TEC	TC	2	Two stage	50	150	592	1780	3/230-400/50	3	17.50 GPH 60°-12 GPH 60° PLP
NOVA 150/2 L TEC	TL	2	Two stage	50	150	592	1780	3/230-400/50	3	17.50 GPH 60°-12 GPH 60° PLP
NOVA 200/2 TEC	TC	2	Two stage	60	200	710	2372	3/230-400/50	4	21.50 GPH 60°-15.5 GPH 60° PLP
NOVA 200/2 L TEC	TL	2	Two stage	60	200	710	2372	3/230-400/50	4	21.50 GPH 60°-15.5 GPH 60° PLP

(2) NOx class 2 <185 mg/kW/h in according with EN 267 - (3) TC/TL - Short flame tube / Long flame tube

Dimensions (in mm)

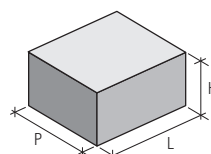
NOVA/2 TEC



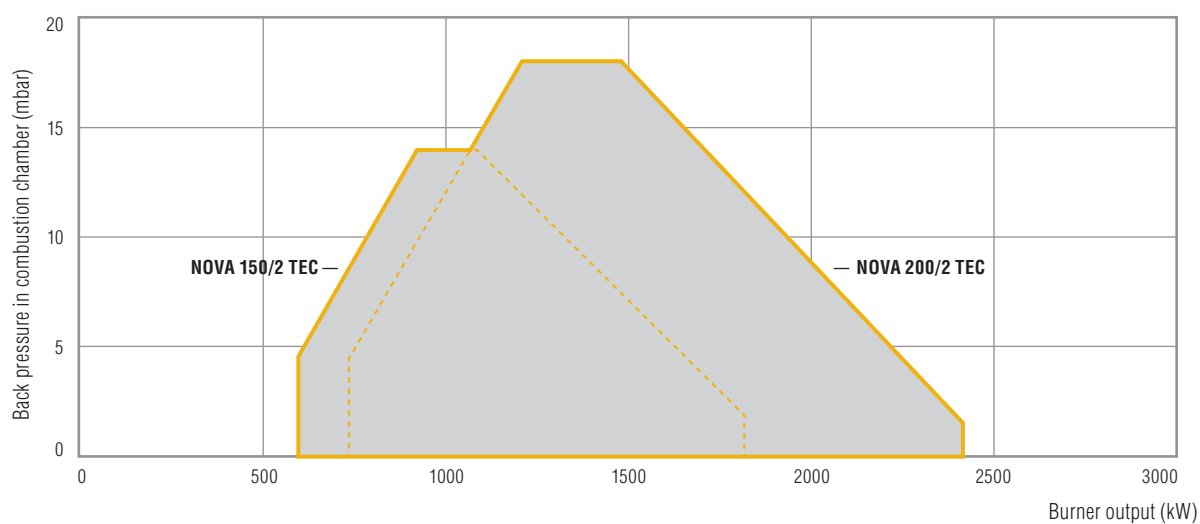
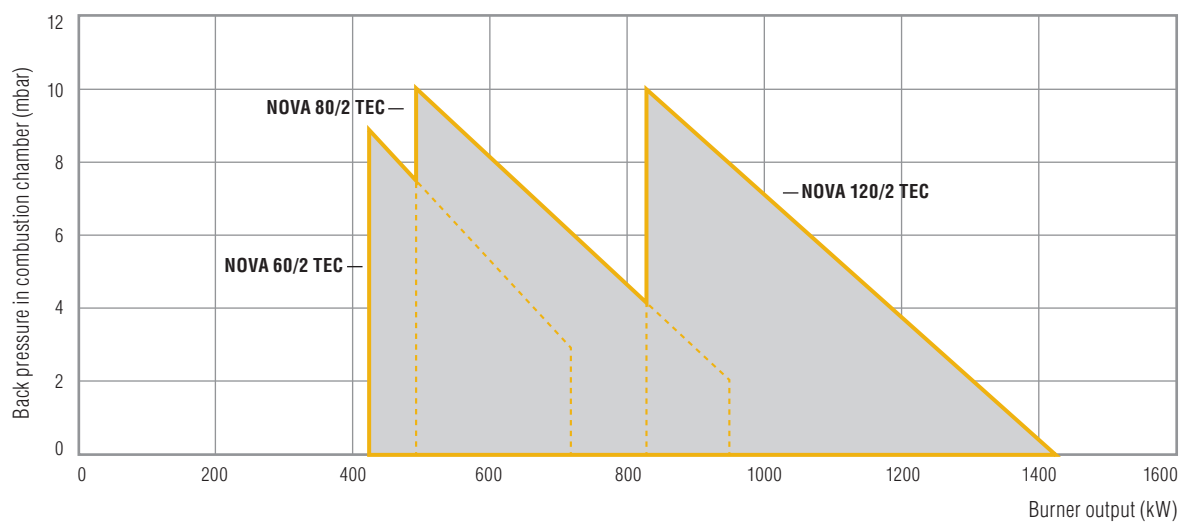
Model	Dimension (mm)										
	A	B	C	E	TC	TL	F	G	I	L	M
NOVA 60/2 TEC	590	330	260	555	230	-	180	376	190	190	M10
NOVA 60/2 L TEC	590	330	260	555	-	390	180	376	190	190	M10
NOVA 80/2 TEC	590	330	260	555	230	-	180	376	190	190	M10
NOVA 80/2 L TEC	590	330	260	555	-	390	180	376	190	190	M10
NOVA 120/2 TEC	690	350	340	555	220	-	190	376	190	190	M10
NOVA 120/2 L TEC	690	350	340	555	-	440	190	376	190	190	M10
NOVA 150/2 TEC	775	385	390	660	285	-	250	398	240	240	M14
NOVA 150/2 L TEC	775	385	390	660	-	485	250	398	240	240	M14
NOVA 200/2 TEC	795	405	390	660	285	-	270	398	240	240	M14
NOVA 200/2 L TEC	795	405	390	660	-	485	270	398	240	240	M14

Packaging dimensions (in mm)

Model	Packaging dimension (mm)			Total weight (Kg)
	L	P	H	
NOVA 60/2 TEC	1070	800	590	50
NOVA 60/2 L TEC	1070	800	590	50
NOVA 80/2 TEC	1070	800	590	54
NOVA 80/2 L TEC	1070	800	590	54
NOVA 120/2 TEC	1070	800	590	64
NOVA 120/2 L TEC	1070	800	590	64
NOVA 150/2 TEC	1300	930	760	104
NOVA 150/2 L TEC	1300	930	760	104
NOVA 200/2 TEC	1300	930	760	110
NOVA 200/2 L TEC	1300	930	760	110



Working diagrams (working area are the same for TC/TL models)





Nova/Pr Tec

Progressive or modulating oil burner

- Out power range from 178 kW up to 2372 kW (from 15 Kg/h up to 200 Kg/h)
- All models of NOVA/PR TEC range comply with NOx Class 2 (<185 mg/kWh) according to the EN 267 European Standard
- Air ratio regulated by a mechanical cam
- Burner can be turned into modulating by using the RWF series electronic controller (supplied as accessory)
- Each component of burners has been designed to facilitate adjustment and maintenance
- Burners are supplied as standard with: Fixing flange and screws / Insulation flange gasket / 2 flexible pipes / Oil nozzles / Oil filter / Instructions manual

The NOVA/PR TEC series complies with:

- 2006/42/EC Machinery Directive
- 2014/30/UE EMC Directive
- 2014/35/UE Low Voltage Directive
- EN267 European standard

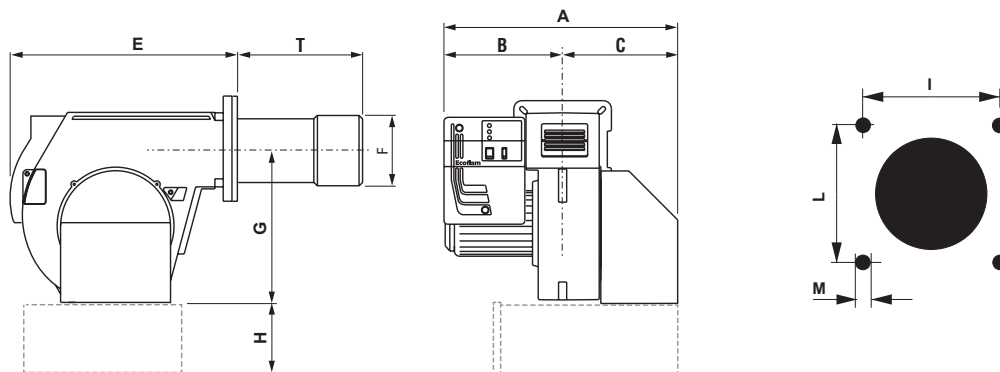
Burner code	Burner model
QUEPIHxD	NOVA 45/PR L TEC
QUEPKHxD	NOVA 60/PR L TEC
QUEPLHxD	NOVA 80/PR L TEC
QUEPOHxD	NOVA 120/PR L TEC
QUEPPHxD	NOVA 150/PR L TEC
UEPQHxD	NOVA 200/PR L TEC

Burner model	Type of flame tube (3)	NOx class (2)	Operation	Flow rate (Kg/h)		Output power (kW)		Electrical supply	Motor absorption	Nozzle supplied
				Min	Max	Min	Max	Phase/V/Hz	W	
NOVA 45/PR L TEC	TL	2	Progressive	15	45	178	532	3/230-400/50	0.55	Monarch 6.50 GPH 60° BPS
NOVA 60/PR L TEC	TL	2	Progressive	20	60	237	710	3/230-400/50	1.1	Monarch 10.5 GPH 60° BPS
NOVA 80/PR L TEC	TL	2	Progressive	26	80	308	949	3/230-400/50	1.1	Monarch 12.00 GPH 60° BPS
NOVA 120/PR L TEC	TL	2	Progressive	40	120	474	1423	3/230-400/50	2.2	Monarch 17.50 GPH 60° BPS
NOVA 150/PR L TEC	TL	2	Progressive	50	150	592	1780	3/230-400/50	3	Fluidics W2 KG-H 130-50
NOVA 200/PR L TEC	TL	2	Progressive	60	200	710	2372	3/230-400/50	4	Fluidics W2 KG-H 160-50

(2) NOx class 2 <185 mg/kW/h in according with EN 267 - (3) TL - Long flame tube

Dimensions (in mm)

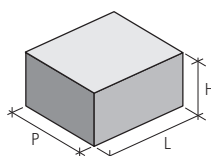
NOVA/PR TEC



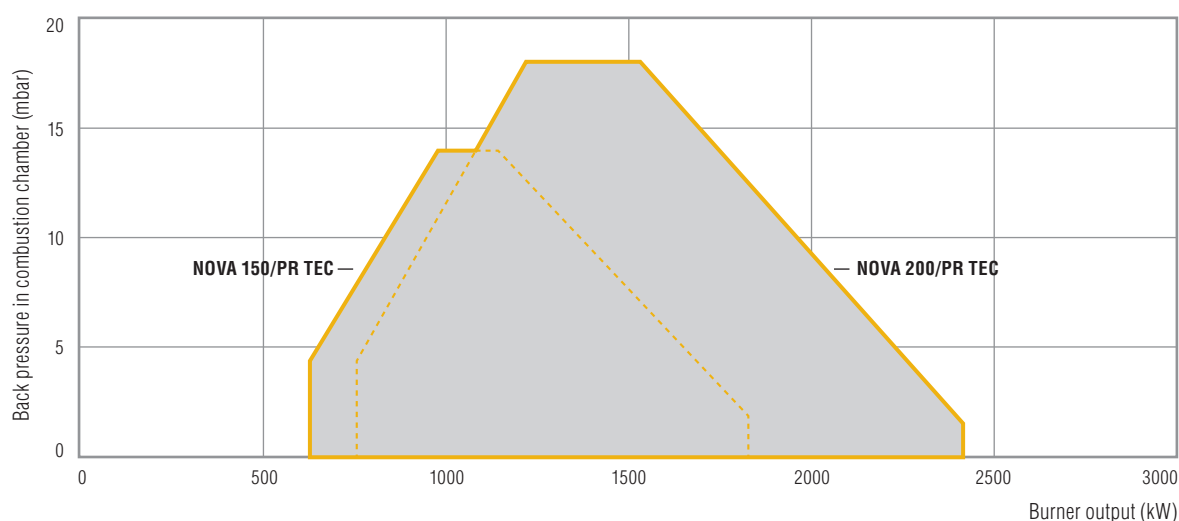
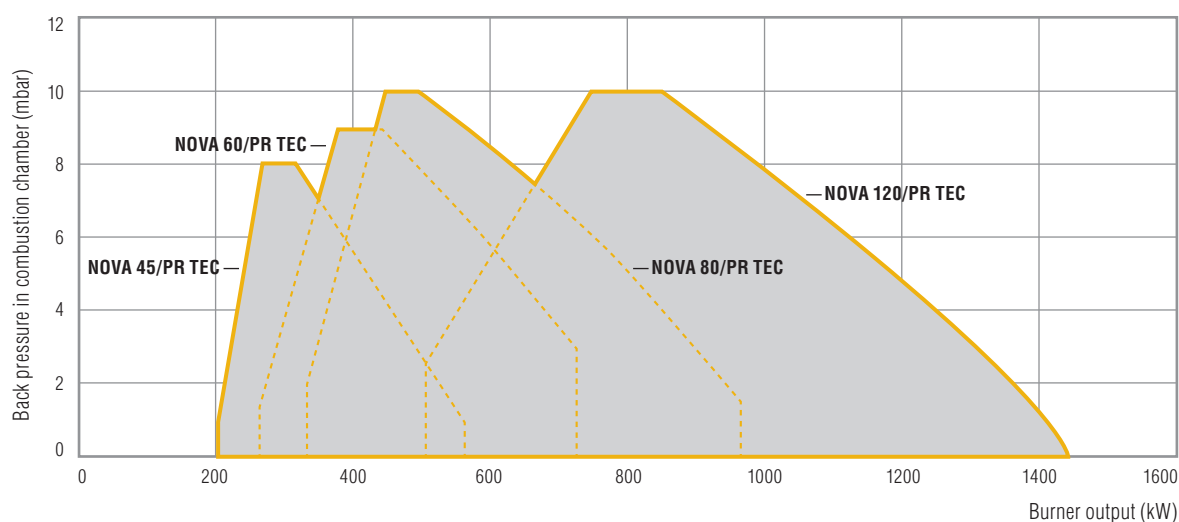
Model	Dimension (mm)									
	A	B	C	E	T	F	G	I	L	M
NOVA 45/PR L TEC	590	330	260	555	385	160	376	190	190	M10
NOVA 60/PR L TEC	590	330	260	555	390	180	376	190	190	M10
NOVA 80/PR L TEC	590	330	260	555	390	180	376	190	190	M10
NOVA 120/PR L TEC	690	350	340	555	440	190	376	190	190	M10
NOVA 150/PR L TEC	850	385	465	660	485	250	420	240	240	M14
NOVA 200/PR L TEC	870	405	465	660	485	270	420	240	240	M14

Packaging dimensions (in mm)

Model	Packaging dimension (mm)			Total weight (Kg)
	L	P	H	
NOVA 45/PR L TEC	1070	800	590	48
NOVA 60/PR L TEC	1070	800	590	50
NOVA 80/PR L TEC	1070	800	590	54
NOVA 120/PR L TEC	1070	800	590	64
NOVA 150/PR L TEC	1300	930	760	104
NOVA 200/PR L TEC	1300	930	760	110



Working diagrams



Accessories

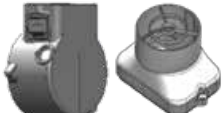
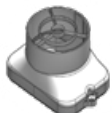
KIT MODUL RWF 50

Power modulation regulator (depending on the temperature or pressure) to transform NOVA/PR TEC series burners from Progressive to Modulating operation



Code	Description	Burners
094590X0	Kit modul RWF 50	NOVA/PR TEC
094592X0	Temperature probe - Range: 0 - 130° C	Kit Modul RWF 50 and NOVA/PR TEC series progressive type
094593X0	Pressure probe - Range: 0 - 4 bar	Kit Modul RWF 50 and NOVA/PR TEC series progressive type
094594X0	Pressure probe - Range: 0 - 10 bar	Kit Modul RWF 50 and NOVA/PR TEC series progressive type
094595X0	Pressure probe - Range: 0 - 16 bar	Kit Modul RWF 50 and NOVA/PR TEC series progressive type

External air intake kit

KIT SNORKEL			BURNER	
	Code	Description	Description	Code
	094641X0	External air intake kit D. 60 mm (starting accessory)	NOVA 1	0UEM7EXD
			NOVA 1 R	0UEM7LXD
	094643X0	External air intake kit D. 60 mm (starting accessory)	NOVA 4 PRO	0UEM7DXD
			NOVA 4 R PRO	0UEM7KXD
			NOVA 8 PRO	0UEM9DXD
			NOVA 8 R PRO	0UEM9KXD
			NOVA 12/2 PRO	0UEBCDXD
			NOVA 12/2 L PRO	0UEBCGXD
			NOVA 4	0UEM8EXD
			NOVA 4 R	0UEM8LXD
			NOVA 8	0UEMBEXD
			NOVA 8 L	0UEMBHXD
			NOVA 8 R	0UEMBLXD
			NOVA 8 R L	0UEMBOXD
			NOVA 12	0UEMDExD
			NOVA 12 L	0UEMDHXD
	094642X0	External air intake kit D. 80 mm (starting accessory)	NOVA 1	0UEM7EXD
			NOVA 1 R	0UEM7LXD
	094644X0	External air intake kit D. 80 mm (starting accessory)	NOVA 4 PRO	0UEM7DXD
			NOVA 4 R PRO	0UEM7KXD
			NOVA 8 PRO	0UEM9DXD
			NOVA 8 R PRO	0UEM9KXD
			NOVA 12/2 PRO	0UEBCDXD
			NOVA 12/2 L PRO	0UEBCGXD
			NOVA 4	0UEM8EXD
			NOVA 4 R	0UEM8LXD
			NOVA 8	0UEMBEXD
			NOVA 8 L	0UEMBHXD
			NOVA 8 R	0UEMBLXD
			NOVA 8 R L	0UEMBOXD
			NOVA 12	0UEMDExD
			NOVA 12 L	0UEMDHXD