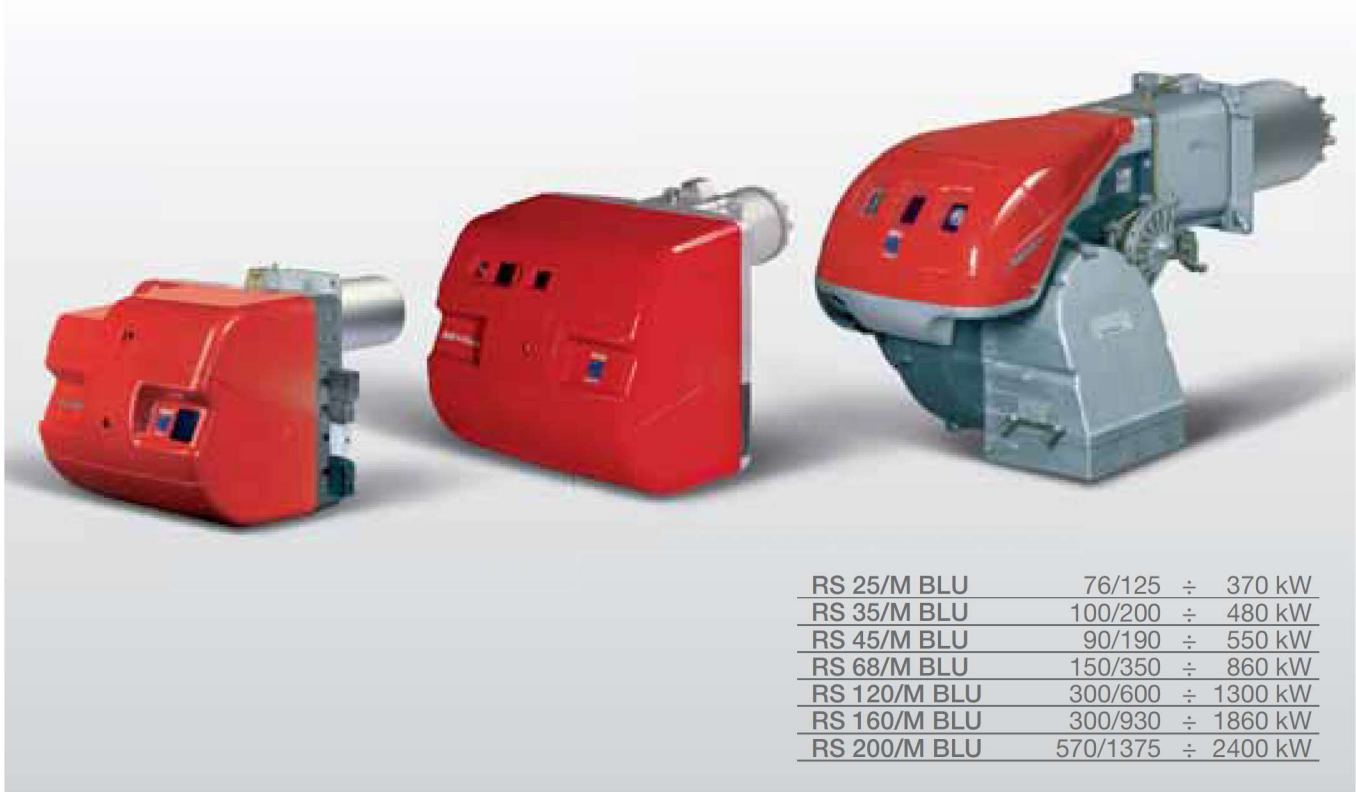


TS0016UK05

# RS/M BLU Series

## Low NOx Modulating Gas Burners



The RS/M BLU burners series covers a firing range from 125 to 2400 kW, and it has been designed for use in low or medium temperature hot water boilers, hot air or steam boilers, diathermic oil boilers.

Operation can be "two stage progressive" or, alternatively, "modulating" with the installation of a PID logic regulator and respective probes.

RS/M BLU burners series guarantees high efficiency levels in all the various applications, thus reducing fuel consumption and running costs.

The exclusive design ensures reduced dimensions, simple use and maintenance. A wide range of accessories guarantees elevated working flexibility.


**Technical Data**

MODEL		RS 25/M BLU	RS 35/M BLU	RS 45/M BLU	RS 68/M BLU	RS 120/M BLU	RS 160/M BLU	RS 200/M BLU			
Burner operation mode		Modulating (with regulator and probes accessories)									
Modulation ratio at max. output		4 ÷ 1			3 ÷ 1			4 ÷ 1			
Servomotor	Type	SQN 90				SQN 31					
	Run time s	24				42					
Heat output	kW	76/125÷370	100/200÷480	90/190÷550	150/350÷860	300/600÷1300	300/930÷1860	570/1375÷2400			
	Mcal/h	65/108÷318	86/172÷413	77/164÷473	129/301÷740	258/516÷1118	258/800÷1600	490/1182÷2064			
Working temperature	°C min./max.	0/40									
<b>FUEL/AIR DATA</b>											
Net calorific value G20 gas	kWh/Nm <sup>3</sup>	10									
Density gas G20	kg/Nm <sup>3</sup>	0,71									
Output gas G20	Nm <sup>3</sup> /h	8/13÷37	10/20÷48	9/19÷55	15/35÷86	30/60÷130	30/93÷186	57/137÷240			
Net calorific value G25 gas	kWh/Nm <sup>3</sup>	8,6									
Density gas G25	kg/Nm <sup>3</sup>	0,78									
Output gas G25	Nm <sup>3</sup> /h	9/15÷43	12/23÷56	10,5/22÷64	17,5/41÷100	35/70÷151	35/108÷216	66/160÷279			
Net calorific value LPG gas	kWh/Nm <sup>3</sup>	25,8									
Density LPG gas	kg/Nm <sup>3</sup>	2,02									
Output LPG gas	Nm <sup>3</sup> /h	3/5÷14	4/8÷19		--			22/53-93			
Fan	Type	(02)			(01)			(02)			
Air temperature	Max. °C	60									
<b>ELECTRICAL DATA</b>											
Electrical supply	Ph/Hz/V	(04)	(04)	(06)	(03)	(05)	(05)	(05)	(07)	(08)	
Auxiliary electrical supply	Ph/Hz/V	(04)	(04)	(04)	(03)	(03)	(03)	(03)	(03)		
Control box	Type	RMG/M (intermittent operation) - LGK16 (continuous operation)									
Total electrical power	kW	0,6	0,7	0,75	0,6	2,0	2,8	5,3	6,5		
Auxiliary electrical power	kW	0,3	0,28	0,3	0,18	0,3	0,3	0,3	0,3		
Protection level	IP	40			44						
Motor electrical power	kW	0,3	0,42	0,45	0,42	1,5	2,2	4,5	5,5		
Rated motor current	A	3,2	3,5	2 - 1,4	2,9	5,9 - 3,4	8,8 - 5,1	15,8 - 9,1	12,3	21,3	
Motor start current	A	15	17	14 - 10	9,2	32,8 - 19	55,4 - 32	126 - 72,8	83	143	
Motor protection level	IP	54									
Ignition transformer	V1 - V2	230V - 1x15 kV				230V - 1x8 kV			230V - 1x5 kV		
	I1 - I2	1A - 25 mA		45mA - 25 mA		1A - 20 mA					
Operation		Intermittent (at least one stop every 24 h) - Continuous (at least one stop every 72 h)									
<b>EMISSIONS</b>											
Sound pressure	dBA	70	72	70	77	78,5	80,5	83			
Sound output	W	--									
CO Emission	mg/kWh	< 20									
NOx Emission	mg/kWh	< 80									
<b>APPROVAL</b>											
Directive		90/396 - 89/336 (2004/108) - 73/23 (2006/95) - 92/42 EC					90/396 - 89/336 (2004/108) - 73/23 (2006/95) EC				
Conforming to		EN 676									
Certification		CE 0085 BR 0379		CE 0085 BM 0104 BUWAL n°101011		CE 0085 BM 0452		in progress			

- (01) Centrifugal with reverse curve blades  
(02) Centrifugal with forward curve blades  
(03) 1/50/230~(±10%)  
(04) 1/50-60/230~(±10%)  
(05) 3N/50/230-400~(±10%)  
(06) 3N/50-60/230-400~(±10%)  
(07) 3N/50/400~(±10%)  
(08) 3N/50/230~(±10%)

**Reference conditions:**

Temperature: 20°C - Pressure: 1013,5 mbar - Altitude: 0 m a.s.l. - Noise measured at a distance of 1 meter.

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## FIRING RATES

