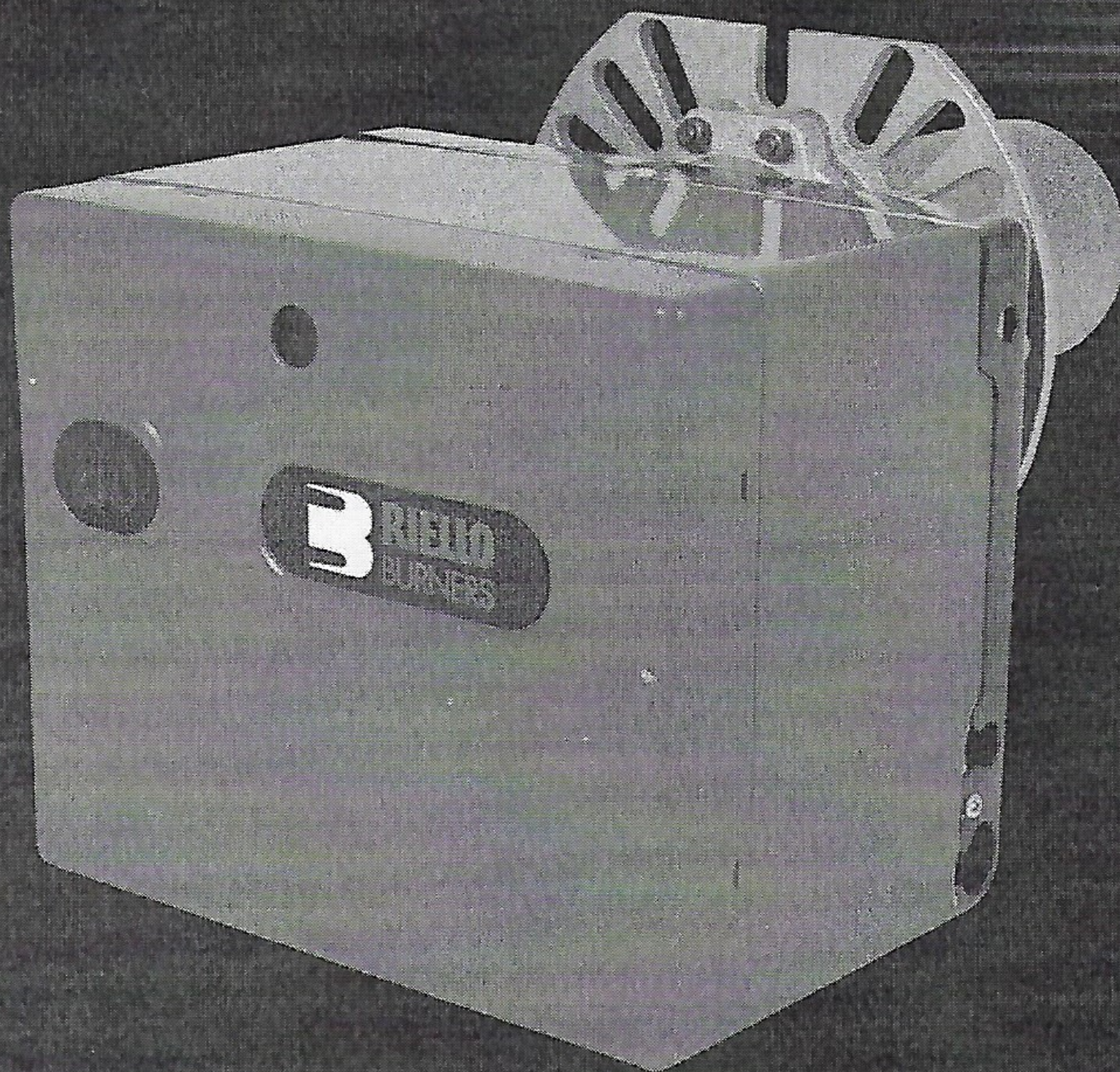


40-SERIES OIL BURNERS

Maximum Performance. Minimum Maintenance.

Oil

Gas



RIELLO
B
BURNERS

Quality engineered to our proven world-class standard, Riello 40-Series oil-fired burners are built for maximum uptime. Riello 40-Series high-efficiency oil burners not only deliver low energy consumption and quiet, worry-free performance, they're the most reliable combustion technology on the market.

And Riello 40-Series oil burners offer a host of advanced features – such as durable, lightweight, compact construction; an integrated electronic control box with interrupted ignition; and an automatic air shutter that eliminates heat loss and enhances efficiency.

Easy to install and service, and backed by coast-to-coast support, Riello 40-Series oil-fired burners are available in seven models with firing rates from 0.5 to 6.4 gph to handle a complete range of residential and light-commercial/industrial applications.

SPECIFICATIONS

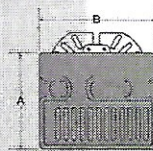
40-SERIES OIL FORCED-DRAFT BURNERS

Model	F3	F5	F10	F15	F20	BF3	BF5	
Firing Rates	GPH	0.50 - 0.95	0.75 - 1.65	1.45 - 2.95	2.55 - 5.75	3.50 - 6.40	0.50 - 0.95	0.75 - 1.65
	Btuh x 1,000	70 - 133	105 - 231	203 - 413	357 - 805	490 - 896	70 - 133	105 - 231
	kWhr	20 - 39	30 - 67	59 - 121	104 - 236	143 - 263	20 - 39	30 - 67
Usable Heating Oil	No heavier than Number 2 (Optional pump required for kerosene)							
Motor Ratings	120v 60Hz 3250 rpm							
	2.2 amp		4.3 amp		2.2 amp			
Pump Pressure Range	120 - 200 psi							

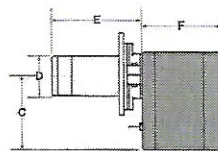
DIMENSIONS

Model	F3	F5	F10	F15	F20	BF3	BF5
A	8" (215mm)	9 ^{1/16} " (233mm)	10 ^{9/16} " (262mm)	11 ^{3/4} " (298mm)	11 ^{3/4} " (298mm)	9 ^{5/16} " (249mm)	9 ^{5/16} " (249mm)
B	9 ^{15/16} " (252mm)	10 ^{11/16} " (272mm)	12" (305mm)	13 ^{3/4} " (350mm)	13 ^{3/4} " (350mm)	11 ^{1/4} " (286mm)	11 ^{1/2} " (292mm)
C	6 ^{1/2} " (164mm)	7 ^{1/2} " (180mm)	8 ^{1/8} " (204mm)	9 ^{1/8} " (230mm)	9 ^{1/8} " (230mm)	7 ^{1/2} " (193mm)	7 ^{1/2} " (193mm)
D	3 ^{1/2} " (89mm)	3 ^{1/2} " (89mm)	4 ^{1/8} " (105mm)	4 ^{11/16} " (119mm)	4 ^{11/16} " (119mm)	3 ^{1/2} " (89mm)	3 ^{1/2} " (89mm)
VSBT	5 ^{1/2} " (140mm)	5 ^{1/2} " (140mm)	N/A	N/A	N/A	5 ^{1/2} " (140mm)	5 ^{1/2} " (140mm)
SBT	8" (203mm)	8" (203mm)	7" (178mm)	7" (178mm)	7" (178mm)	8" (203mm)	8" (203mm)
LBT	12" (305mm)	12" (305mm)	12" (305mm)	12" (305mm)	12" (305mm)	12" (305mm)	12" (305mm)
OEM (Custom)	Other combustion head lengths available on request						
F	7 ^{1/4} " (184mm)	7 ^{15/16} " (199mm)	8 ^{11/16} " (221mm)	10" (254mm)	10" (254mm)	6 ^{1/8} " (175mm)	7 ^{1/8} " (189mm)

*Usable tube length will be reduced by as much as 1 5/8" depending on flange selected.

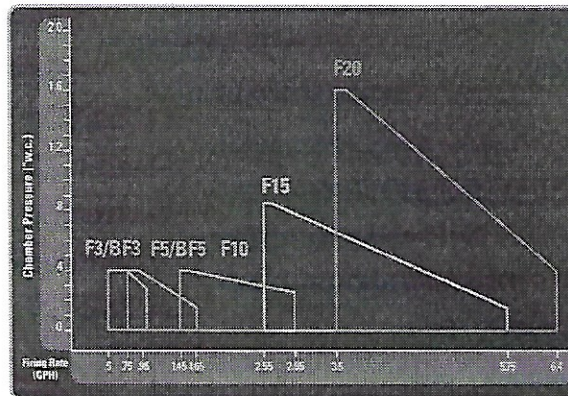


Models F3, F5, F10, F15 and F20



Models BF3 and BF5

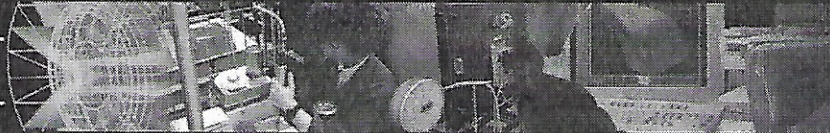
FIRING RATES



Reference Conditions
 Ambient temperature: 68°F (20°C)
 Barometric pressure: 30.4" w.c.
 Altitude: 329 ft. a.s.l.

40-Series oil burners are UL and CSA approved.





Riello Burners – a world of experience in every burner we sell

Across North America and the world over, Riello sets the standard in reliable, high-efficiency, low-maintenance burner technology. With burner capacities from 38 thousand to more than 70 million Btuh, Riello oil, gas, dual-fuel and Low NOx burners deliver unbeatable performance across the full range of residential and commercial heating applications, as well as in light-industrial processes.

Quality engineered for reliability, combined with fuel and power efficiency, Riello burners are environmentally friendly, and easy to install and service – all hallmarks of Riello's advanced burner technology.

With headquarters in Legnago, Italy, Riello has been manufacturing premium quality burners for over 80 years. Today, to meet its customers' needs, Riello employs more than 2,000 people across four continents, with a sales and support network that spans over 60 countries.

Throughout the United States and Canada, our staff and independent sales and support network are dedicated to providing applications engineering support, commissioning, hands-on training, ongoing technical assistance, and after-sales service.

Riello Burners – delivering reliable combustion solutions for our customers in North America and around the world.



Reliable Combustion Solutions

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