



S. T. Johnson Co.

940-950 Arlington Avenue, Oakland, California

Branches:—SAN CARLOS, CAL.; SAN FRANCISCO, CAL.; SACRAMENTO, CAL.;
401 N. BROAD ST., PHILADELPHIA, PENNSYLVANIA.

JOHNSON OIL BURNERS

Founded in 1904, S. T. Johnson Co. is one of the oldest and largest manufacturers of oil burning equipment and offers a complete line from small domestic to large industrial units, with manual or full automatic ignition and control, burning from the lighter fuel oils to the heaviest grades . . . it includes combination oil and natural gas burners, burners with Low Fire Starting and Modulated Firing accessories, the Laddi Du-all Boiler-Burner unit and the air-conditioning, ventilating and heating unit, "Selectair."

The company provides complete engineering and technical service for assistance in the solution of heating and air-conditioning problems. Representatives in principal cities throughout the world.

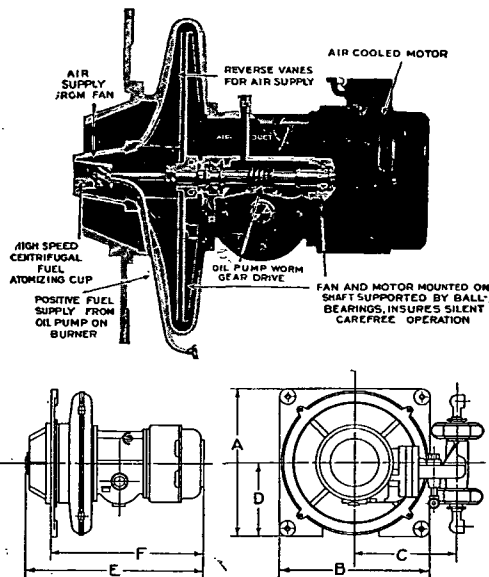
JOHNSON COMMERCIAL TYPE ROTARY OIL BURNERS

(Capacities up to 41,700 sq ft steam radiation or its equivalent).

The three commercial types of Johnson Rotary Oil Burners are of the same basic construction, consisting of motor, fan, housing and firehole plate, concentrically mounted in a compact unit . . . easily installed on any make of boiler. Exact amount of air necessary for perfect atomization is supplied by motor-driven fan and adjusted by butterfly valve. Complete combustion of cheaper grades of fuel oil is accomplished by the Johnson method of centrifugal atomization. An oil-air and water separating tank prevents foreign matter entering the fuel.

TYPE 30-AV AND 30-AVH FULLY AUTOMATIC

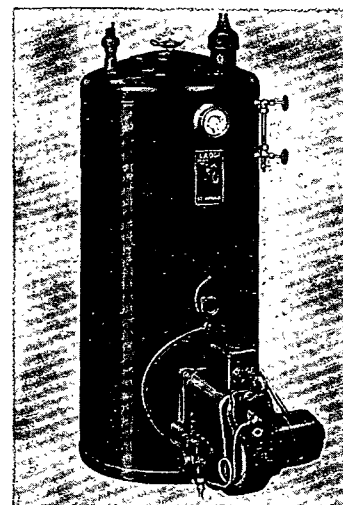
The 30-AV uses up to No. 5



Dimensions and Capacities of Types 28, 30AV and 30AVH Burners

Burner Size No.	Capacity Steam Radiation Sq Ft		Boiler Hp Rating	Gallons Oil per Hour		Size Motor Hp	Lb. Approximate Shipping Weight			Dimensions in inches						
	Min.	Max.		Min.	Max.		28H	30AV	30AVH	A	B	C	D	E	F	
2½	825	2775	20	2	7	¾	220	275	285	14	13	9½	6¾	17	15	
3½	1400	6950	50	3	15	½	250	300	320	16¾	15½	10¼	8¼	17½	15½	
4½	2775	13900	100	6	30	¾	400	470	505	17	19½	13	9¾	21	19¼	
5½	5550	27800	200	12	60	2	475	540	575	21½	21½	13	11	24	20	
6½	8325	41700	300	24	90	3	525	575	625	21½	21½	13	11	25	20½	

*Boiler output. Type 28 Burner available without built-in pump in same capacities.



'Laddi' Du-All

three sizes: 100,000, 120,000 and 140,000 Btu per hour output. These units rest on the floor. Diameter at base is 24 in. on all three sizes while heights are 4½ ft, 5 ft, and 5½ ft respectively.

SPECIFICATIONS: Vertical ¾ in. copper-bearing steel boiler shell electrically welded, tested to 150 lb hydrostatic pressure. Horizontal firebox with pre-cast refractory combustion chamber; seamless extra heavy copper-bearing steel fire tubes; reversible chimney connector for either top or back connection. Completely insulated with mineral wool. Heavy steel enameled jacket. Johnson Type B or BH burner. Electric ignition or combination electric-gas ignition. Each unit complete with necessary controls. Burns either Diesel fuel oil or No. 3 standard. Each unit fully assembled and tested at factory before shipment.

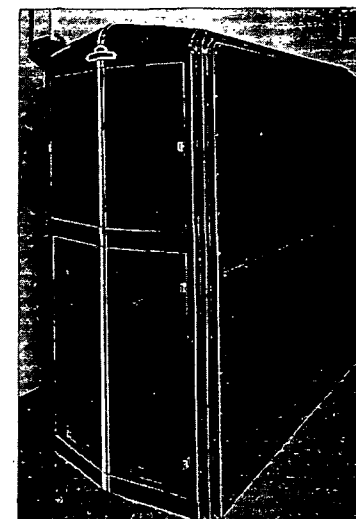
Air-Conditioning Unit "Selectair" combines in one compact unit every feature desired by home-owners, architects and engineers for economical heating, air-conditioning and ventilating the modern home. Supplies year-round hot water for domestic use. Forced circulation of air for summer needs. Equipped with Johnson "Bankheat" Pressure Type Burner.

fuel without pre-heating. Johnson-built viscosity compensating control valve furnishes constant flow of fuel to burner, regardless of fuel temperature or viscosities and without excessive pressure on lines or undue strain on pump or motor.

The 30-AVH is designed for efficient use of heavy No. 6 fuel oil. Fundamentally, this is the standard 30-AV burner with equipment for pre-heating the fuel.

Type 28 Semi-Automatic Burner, manually ignited, is made for heating boilers up to 41,700 sq ft of steam radiation or 300 boiler horsepower. Built in five sizes, with built-in oil pump, and five sizes for use with separate oil-pumping equipment. Fuel oils (pre-heated when necessary) as heavy as No. 6 may be used.

'Laddi' Du-All combination boiler-burner unit for small and medium-sized homes, is fully automatic, odorless, quiet and trouble-free. It furnishes heat or domestic hot water or both in combination at low cost. Made in



"Selectair"

Capacities and Dimensions of SELECTAIR Units

Size No.	Max. Rating* Btu per hour	Cu Ft Air per min. ¼ S. P.	Heat Exchanger Btu per hour	Size Stack Connection	Oil Rate Gal per hour	Cabinet Width	Dimensions	
							Length	Height
1	125,000	1,485	105,000	7"	1 to 1¼	27"	60"	54"
2	200,000	2,320	166,000	8"	1¼ to 2	31"	69"	63"
3	300,000	3,300	235,000	9"	2 to 2¼	33"	86"	69"

*Total output includes steam to heat exchanger, heat for domestic hot water, and heat available for installed radiation if used.