

General Data

Oil Fired Furnace Specifications												
Model	THV1MO87A936 & 948SAA				TLF1MO87A936 & 948SAA TLR1MO87A936 & 948SAA				TDF1MO87A936 & 948SAA			
Type	Upflow - Highboy				Upflow - Lowboy				Downflow - Horizontal			
Heat input Rate (BTUH):	140,000	119,000	105,000	84,000	140,000	119,000	105,000	84,000	140,000	119,000	105,000	84,000
Nominal Thermal Efficiency (%):	83.6				84.2				83.8			
Heating Capacity (BTUH):	114,000	98,000	87,000	70,000	114,000	98,000	87,000	70,000	114,000	98,000	87,000	70,000
Nominal Temperature Rise (deg. F):	85				85				85			
Minimum AFUE (I.C.S.) Rating (%):	THV1MO87A936SAA - 82.9% THV1MO87A948SAA - 82.6%				TLF1MO87A936SAA - 82.9% TLF1MO87A948SAA - 82.7% TLR1MO87A936SAA - 85.0% TLR1MO87A948SAA - 82.4%				TDF1MO87A936SAA - 84.8% TDF1MO87A948SAA - 82.6%			
Burner Specifications:	R.W. Beckett Pressure Atomizing Type, Model AF				R.W. Beckett Pressure Atomizing Type, Model AF				R.W. Beckett Pressure Atomizing Type, Model AF			
Air Tube Length (in.):	5.875, Effective				5.875, Effective				5.875, Effective			
Burner Head Type:	Fixed, Flame Retention				Fixed, Flame Retention				Fixed, Flame Retention			
Fuel Type:	# 2 Distillate (Domestic Heating Oil)				# 2 Distillate (Domestic Heating Oil)				# 2 Distillate (Domestic Heating Oil)			
Nozzle Rating For Beckett AF (GPH):	1.00	0.85	0.75	0.60	1.00	0.85	0.75	0.60	1.00	0.85	0.75	0.60
Spray Angle (deg.):	80				80				80			
Spray Pattern:	Hollow				Hollow				Hollow			
Oil Pump Pressure (PSIG):	130				130				130			
Ignition Control Type:	Interrupted, Direct Spark				Interrupted, Direct Spark				Interrupted, Direct Spark			
Pre / Post Purge Feature(s):	Yes / no				Yes / no				Yes / no			
Automatic Oil Solenoid Valve:	Yes				Yes				Yes			
Blower Drive:	Direct				Direct				Direct			
	THV1MO87A936SAA	THV1MO87A948SAA	TLF1MO87A936SAA	TLR1MO87A936SAA	TLF1MO87A948SAA	TLR1MO87A948SAA	TDF1MO87A936SAA	TDF1MO87A948SAA				
Diameter x Width (in.):	10 x 9		11 x 11		10 x 9		10 x 9		10 x 9		11 x 9	
No. Used:	1		1		1		1		1		1	
Speeds (no.):	4		4		4		4		4		4	
CFM vs in. w.g.:	See Fan Performance Table				See Fan Performance Table				See Fan Performance Table			
Motor HP:	1/2		3/4		1/2		3/4		1/2		3/4	
R.P.M.:	1075		1130		1075		1130		1075		1130	
Volts / Ph. / Hz.:	120 / 60 / 1				120 / 60 / 1				120 / 60 / 1			
Filter Furnished?:	Yes				Yes				No			
Type Recommended:	Throwaway				Throwaway				Throwaway			
No. - Size x Thick:	1 - 16 x 25 x 1				2 - 10 x 20 x 1				Not Supplied			
Vent - Size (in.):	6				6				6			
Gross Heat Exchanger Area (sq. ft.):	27.8				27.8 (Front Flue) / 30.0 (Rear Flue)				27.8			
Supply / Return Size (in. x in.):	See Outline Drawing				See Outline Drawing				See Outline Drawing			
Combustion Chamber Type:	Preformed, Refractory (Ceramic Fiber Matrix Material)				Preformed, Refractory (Ceramic Fiber Matrix Material)				Preformed, Refractory (Ceramic Fiber Matrix Material)			
Total Current (amps.):	12.1		19.8		12.1		19.8		12.1		19.8	
Max. Fuse Size (amps.):	15		30		15		30		15		30	
Dimensions uncrated (in.):	H X W X D 58 X 22.25 X 31				H X W X D 41.5 X 22.25 X 47				H X W X D 22.25 X 61.25 X 22.25			
Weight Shipping (lbs.) / Net (lbs.)	260 / 250				300 / 290				280 / 270			