



Ecoer DFi Gas Furnace

/// About Ecoer DFi Gas Furnace

Introducing Ecoer's revolutionary DFi Gas Furnace—the Furnace That Thinks. This cutting-edge heating solution redefines efficiency and intelligence in home comfort, boasting the 98% AFUE efficiency with AI-driven adaptive combustion and full-scenario smart control. Designed for seamless integration into any living space, from luxurious residences to expansive estates, it combines hyper-reliability, extreme durability, and cloud-based optimization to deliver unparalleled warmth, energy savings, and peace of mind while shattering industry standards.

🌀 Core Advantages: Unmatched Efficiency & Intelligence

1 Unmatched Efficiency

- Top-Tier Efficiency: 98% AFUE for maximum energy savings.
- Reduced max tube temperature to 900°F for superior energy savings.

2 Precise Control with Minimal SKUs

- Covers 28K-100K BTU/h with only 2 SKUs and 1% incremental control.

3 Flexible Installation:

- 0°-270° orientation, zero clearance, compatible with basements and attics.

4 Smart Connectivity

- Real-time monitoring, cloud diagnostics, remote updates.

🏠 Exquisite Design & Extreme Durability

- **Extreme Durability:** Built to survive harsh environments with metal cold-formed seals (3X lifespan), clinching for 900°F resistance, and 600°F anti-corrosion armor on all cut edges.
- **Visible Engineering Excellence:** Butterfly contours, flame viewport, tactile knob, chip-inspired electronics.
- **Advanced Safety:** 8-layer protection with gas valve redundancy, fail-safe software, real-time monitoring.
- **Proven Reliability:** 6-month extreme testing, 15-year validated lifespan.

Dimension	W (Inch)	H (Inch)	D (Inch)	Net weight lbs.(kg)
EVMF98M28080B3L	17-1/2	34-3/4	29-1/2	150(68)
EVMF98M35100C5L	21	34-3/4	29-1/2	173(78)
Model		EVMF98M28080B3L	EVMF98M35100C5L	
Power supply		V-Ph-Hz	115V/60HZ/1PH	115V/60HZ/1PH
MOP		A	15	20
Gas Type			Natural Gas/Propane Gas	Natural Gas/Propane Gas
AFUE		%	98.0%	97.5%
Input	Hi	Btu/h	80000	100000
	Med	Btu/h	56000	70000
	Lo	Btu/h	28000	35000
Output	Hi	Btu/h	78500	98000
	Med	Btu/h	55000	68500
	Lo	Btu/h	27500	34000
Air Temperature Rise		°F	36-51	37-52
Design Max. Outlet Air Temperature		°F	165	170
Blower fan	Type		Centrifugal Fan Wheel	Centrifugal Fan Wheel
	Diameter	mm	314	325
	Height	mm	203	285
Inducer Power Input	(Max)	W	196±10%	196±10%
	(Min)	W	110±10%	110±10%
Tons AC		tons	1.5/2/2.5/3	3.5/4/4.5/5
Motor	Horsepower	HP	1/2hp	1.0hp
Max.Inlet Gas Press	Nature Gas	IN W.C.	10.5	10.5
	Propane Gas	IN W.C.	13	13
Min.Inlet Gas Press	Nature Gas	IN W.C.	4.5	4.5
	Propane Gas	IN W.C.	10	10
Manifold Gas Press-NG	Hi	Btu/h	3.8	3.8
	Med	Btu/h	1.86	1.86
	Lo	Btu/h	0.6	0.6
Manifold Gas Press-Pro	Hi	Btu/h	9	9
	Med	Btu/h	4.4	4.4
	Lo	Btu/h	1.2	1.2
Heat exchanger type (Primary)			Clamshell	Clamshell
Heat exchanger Diameter (Secondary)		mm	9.52	9.52
Heat exchangers (Primary)		pcs	4	5
Heat exchangers (Secondary)		pcs	33	39
Pressure Switch	(HIGH)	Btu/h	1.1	1.1
	(MED)	Btu/h	0.75	0.75
	(LOW)	Btu/h	0.55	0.55
Flame Rollout Temperature Limit	Off/On	°F	300(manual reset)	300(manual reset)
Outlet High Temperature Limit Switch	Off/On	°F	180/150	180/150
Reflow High Temperature Limit Switch	Off/On	°F	120/90	120/90
Burners		pcs	4	5
Gas Connection Size		NPT	1/2	1/2
Ignition Type			Hot surface	Hot surface

