



PACKAGED TERMINAL AIR CONDITIONER SOLUTIONS

NEW CONSTRUCTION MODEL



- MODEL EGN
- SUPERIOR SOUND PERFORMANCE
 - OPERATING AND TRANSMISSION LOSS (OITC)
- HIGH EFFICIENCY
 - 42" X 16" WALL SLEEVE
- SEMI-CUSTOM OPTIONS
- MODERN FEATURES AND CONTROLS

STANDARD EGN CHASSIS

MAXIMUM EFFICIENCY FOR NEW CONSTRUCTION

INDUSTRY LEADING WARRANTY

- 12 Months comprehensive parts
- 12 Month limited labor
- 5 year compressor parts

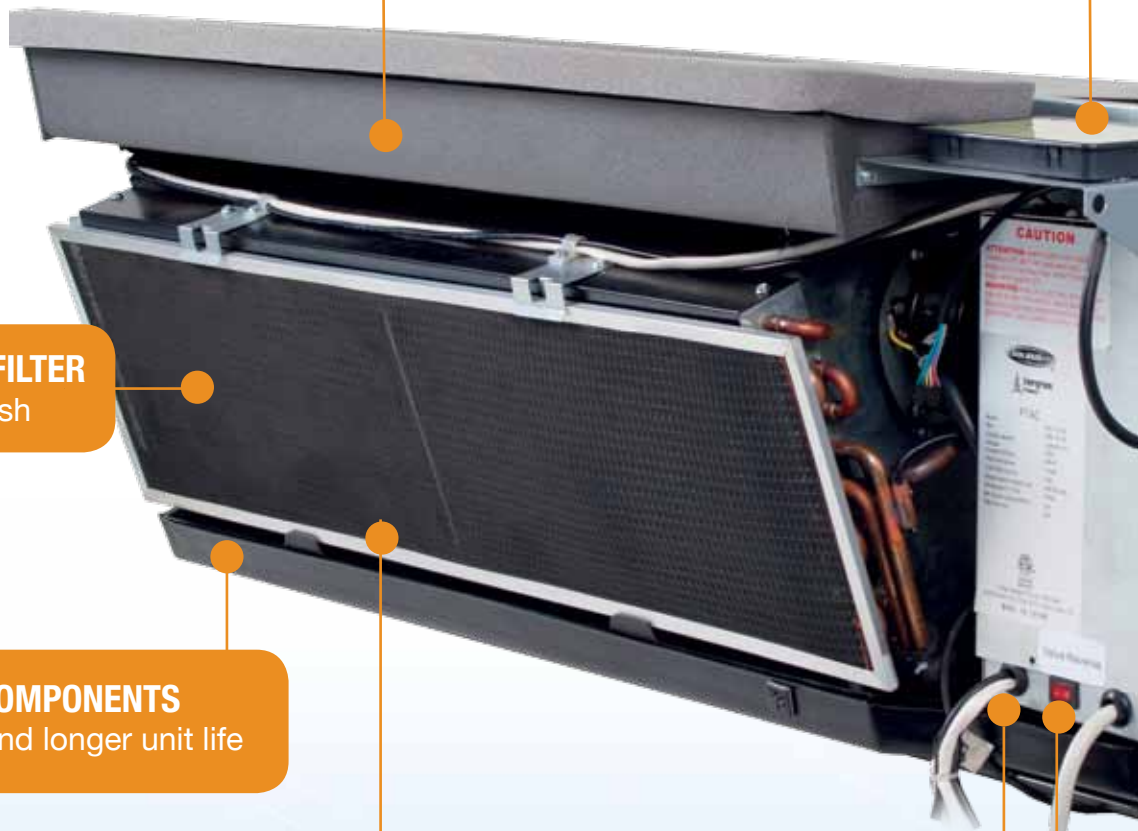
TANGENTIAL FAN WHEEL:

Quieter, more efficient fan.



PERMANENT WASHABLE FILTER

Durable polypropylene mesh



PAINTED SHEET METAL COMPONENTS

For corrosion resistance and longer unit life

WIDE CHANNEL CONDENSATE DRAIN:

Reduces chance of clogs and overflows



72" LCDI SAFETY PLUG

Reaches both sides of chassis



QUICK CONNECT PLUGS:

Easy connection of control valve, aquastat and remote thermostat

DIGITAL CONTROLS:

Simple backlit display and hand-held remote



SLINGER WHEEL:

Vaporizes condensate to eliminate dripping



FRESH AIR DAMPER

Manual or Automatic



ROTARY COMPRESSOR

Reliable and energy efficient with overload protection and vibration isolators

VALVE SELECTOR SWITCH:

Normally open or closed valve control

ADDITIONAL UNIT OPTIONS

SOUND PACKAGES

Transmission loss sound package
for higher OITC rating (see page 11 for details)

Operating noise package

With insulated enclosure, discharge, and compressor for lowest operating noise

MOTORIZED FRESH AIR DAMPER

Opens and closes automatically upon call for heating or cooling

FRONT RETURN

For applications when the unit is mounted close to the floor (to maintain proper airflow)

ELECTRIC HEAT

Field Installed Kits available

CONSTANT OUTSIDE AIR

Provides persistent filtered, tempered outside air

POWER VENT OPTION

Additional outside air when required by application

FILTERS AVAILABLE

Aluminum Mesh, Polypropylene, or Pleated

EXTENDED WARRANTIES

Multi-year comprehensive parts
Extended compressor parts
Service and maintenance contracts

STANDARD UNIT ACCESSORIES

SLEEVE

- 42" x 16"
- Heavy Gauge Steel Construction
- Recessed Louver Design
- Exterior Drip Edge

LOUVER

- Extruded Architectural Blade Design

HEATING ASSEMBLY

- Snap in Cradle
- Reversible Connection Sides (field)
- Integral Pitch for Steam Coils

HYDRONIC CONTROL VALVE

- Snap on Actuator
- Quick Connect Plug
- Manual Bypass Lever (normally closed)

ROOM CABINET

- Furniture Grade Heavy Gauge Steel Construction
- Powder Coat Finish (off white)
- Stamped, Painted Discharge Grill
- Removable Front Panel for Easy Access
- Designed for Use with IR Remote While Door is Closed
- Fully Insulated Discharge

ADDITIONAL OPTIONS



- Customized Depth
- Powder Coat Finish
- Mounting Flanges
- Leveling Legs
- Thermal Break Construction



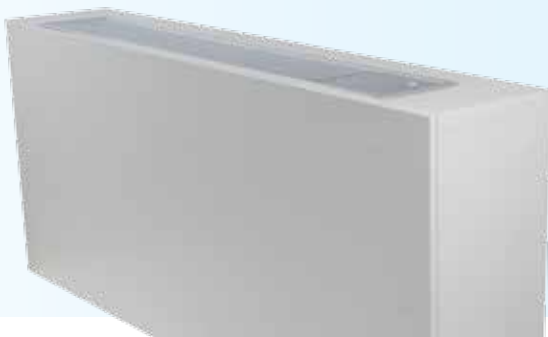
- Custom Colors and Sizes
- Brick Color Matching
- Stamped Construction



- Opposite End Connections
- Hot Water or Steam (headered)



- 2 Way
- 3 Way
- Extended Leads
- Normally Closed
- Normally Open



- Custom Depths
- Custom Colors
- Extruded, Aluminum Grill
- Flush Mounted Controls
- Front Return
- Kickplates

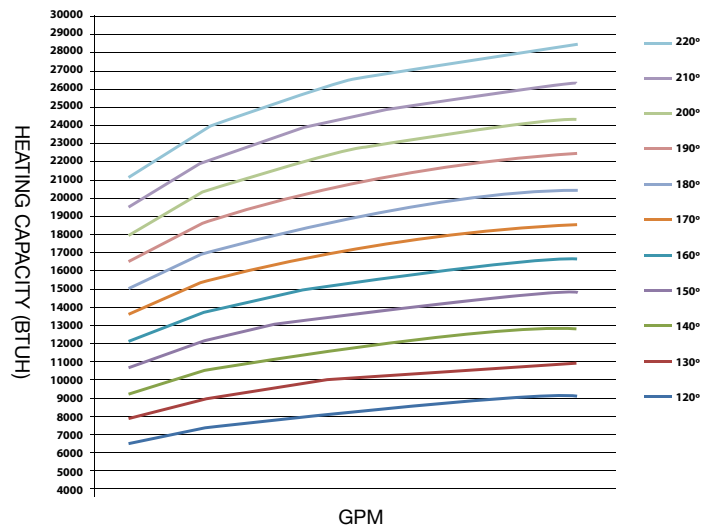
PERFORMANCE DATA

MODEL # EGN

MODEL			EGN 07		EGN 09		EGN 12		EGN 15	EGN 18	
COOLING	TOTAL COOLING	BTUH	7,800	7,800	9,800	9,800	12,900	12,900	15,200	16,800	
	VOLTAGE	V	115	208/230	115	208/230	115	208/230	208/230	208/230	
	AMPERAGE	A	5.6	2.8	7.2	3.6	9.8	4.9	6.2	7.3	
	WATTS	W	640	640	840	840	1120	1120	1420	1680	
	EER		12.0	12.0	11.2	11.2	11.0	11.0	10.2	9.9	
AIRFLOW	HI	CFM	375	375	375	375	375	375	375	490	
	LOW	CFM	325	325	325	325	325	325	325	370	
HEATING	HOT WATER	HI	BTUH	18,260	18,260	18,260	18,260	18,260	18,260	18,260	21,000
		LOW	BTUH	16,800	16,800	16,800	16,800	16,800	16,800	16,800	18,100
	STEAM	HI	BTUH	23,950	23,950	23,950	23,950	23,950	23,950	23,950	28,281
		LOW	BTUH	21,800	21,800	21,800	21,800	21,800	21,800	21,800	23,736
WEIGHTS	CHASSIS	Lbs.	100		100		100		112	118	
	CHASSIS (BOXED)	Lbs.	110		110		110		122	129	
	STANDARD SLEEVE (13.75")	Lbs.	31		31		31		31	31	
	STANDARD CABINET (10.5")	Lbs.	37		37		37		37	37	
WALL SLEEVE SIZE			42" X 16"		42" x 16"		42" x 16"		42" x 16"	42" x 16"	
REFRIGERANT			410A		410A		410A		410A	410A	

- Notes:**
- Cooling capacities are based on ASHRAE and ARI test conditions of 95°/75° outdoor DB/WB and 80°/67° indoor DB/WB
 - Hot water heating capacities are based on 200° EWT, 20° ΔT, and 70° EAT
 - Due to ongoing development and testing; specifications are subject to change without notice

HEATING CAPACITY AT NONSTANDARD CONDITIONS



OPERATING SOUND DATA

The EGN PTAC was specifically designed for limiting operating noise. By incorporating a tangential fan wheel from ultra-quiet Minisplit Air Conditioner designs, the EGN PTAC has proven to be one of the quietest hydronic PTAC units on the market. If additional sound mitigation is required, we can provide sound packages to further reduce the operating noise.

DECIBEL (dB) RANGE CHART

Threshold of Human Hearing	0	dB	
Recording Studio	10	dB	
Quiet Living Room	20	dB	
Quiet Office/Library	30	dB	
Quiet Conversation	40	dB	
Normal Conversation	50	dB	
Vacuum Cleaner	70	dB	
Typical Home Stereo Volume	80	dB	
Lawn Mower	90	dB	
Subway Train	100	dB	

SIZE	MODE	FAN	DB RATING ¹
07	FAN ONLY	LOW	50.6
		HIGH	54.0
	COOLING	LOW	57.2
		HIGH	57.9
09	FAN ONLY	LOW	50.2
		HIGH	53.1
	COOLING	LOW	57.0
		HIGH	57.8
12	FAN ONLY	LOW	51.0
		HIGH	53.4
	COOLING	LOW	56.3
		HIGH	57.7
15	FAN ONLY	LOW	50.5
		HIGH	54.4
	COOLING	LOW	53.8
		HIGH	54.9
16	FAN ONLY	LOW	52.6
		HIGH	60.6
	COOLING	LOW	56.9
		HIGH	61.5

TRANSMISSION LOSS SOUND DATA

Since noise has been classified as an environmental hazard and PTACS are incorporated into the building envelope, mitigating loud ambient street noise has become a critical requirement. Our standard PTAC unit has one of the highest OITC (Outdoor-Indoor Transmission Class) ratings in its class; and our industry leading sound attenuation packages offer the highest OITC ratings available on the market.

	STC	OITC
Standard Unit ²	27	18
Standard Unit with Basic Sound Package	28	20
Sound Transmission Attenuation Package ²	35	26
Custom Sound Transmission Attenuation Package		26+

We offer custom sound packages to meet STC and OITC targets based on project specifications and job site requirements.

Notes: 1. DB ratings are A frequency rated 2. Units were tested in accordance with ASTM E90. Complete transmission sound loss data is available upon request.

DIMENSIONAL DRAWINGS

Model EGN Assembly

