

# WALL HEATER ENERGY SAVER

**DEC**  
SERIES

PIC-A-WATT® FAMILY • DECADE

FAN-FORCED • PREMIUM



U.S. PATENT #6,794,183 & #6,794,184 • CAN. PATENT #6,333,882



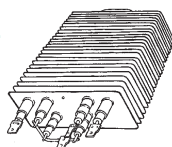
## FEATURES:

- SMART LIMIT PROTECTION®
- Pic-A-Watt® Element
- Efficiency Motor
- Squirrel Cage Blower
- Whisper Quiet
- Multiple wattages
- 20 gauge powder-coated grill with contemporary die-formed round corners
- Standard color: bright white
- Safety limit
- Safety thermal cutout trips limiting reset or is manually reset by thermostat

## Options:

- Optional surface wall box
- Optional color: almond
- Optional ULTRA custom architectural grill
- Available in stainless steel (refer to index)

**ENERGY SAVER**  
**99.4%**  
**EFFICIENT**  
**SEE PAGE 104**



**Pic-A-Watt**  
Small Fin Element

## ENGINEERING SPECIFICATIONS:

Contractor shall supply and install DEC Series wall-mounted forced-air electric heaters manufactured by King Electrical Mfg. Company, of the wattage and voltage as indicated on the plans.

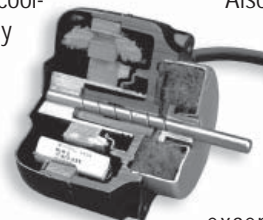
**Ratings:** Heaters shall be available in wattages of 250 to 2,250 at 120, 208, or 240 Volts.

**Motor:** Cast iron unit bearing housing is of a one-piece design and can dissipate up to 4-times more heat. Efficient internal capacitor-run design allows motor to run 75% cooler than typical shaded pole C frame motors. 30cc of high grade sun F1-932 oil recirculates by means of a constant flow, spiral grooved, hardened shaft within the motor and is filtered then returned to the main reservoir. Second quick-start reservoir provides fast lubrication mid-shaft to cut cold-start lubrication time in half. Quad-coil bi-pole design offers maximum efficiency and long life. Electrically balanced to give hum-free operation.

**Fan:** Tangential (squirrel cage) blower provides whisper quiet operation 65 CFM.

**Elements:** Element assemblies shall be non-glowing design. Element assemblies shall consist of three steel sheathed heating tubes in a furnace-brazed, plate-finned, block design. Each sheathed tube shall contain coiled Ni-Chrome wire embedded in an insulator of Magnesium Oxide. The element assembly shall provide a

We call it the DECADE heater because of the 10 year warranty. This heater is similar to the PAW except we incorporate a newly developed high-efficiency motor. This motor runs 75% cooler and has an expanded oil reservoir for long life. We expect this heater to outlast all others. If maintenance-free sounds good this is the product for you. The motor using only 15% of the energy of a standard motor gives you an instant return on your investment.



King provides the newest technology available for the educated consumer looking for superior performance from their zonal heating system.

Also available, the DEC-Ultra, a combination of the DEC-Series and the Ultra Grill – all the same features as the DECADE heater except we added a contemporary architectural bar grill made from heavy gauge steel, laser-cut to produce sleek, round corners, then finished in a high-gloss powder-coated finish.

minimum of seven (7) possible wattage configurations available for selection during field installation. The use of external resistors, diodes, or other weak links to obtain multiple wattages will not be acceptable.

**Thermal Overload:** Heaters shall be equipped with thermal overload SMART LIMIT PROTECTION®, which disconnects elements and motor in the event normal operating temperatures are exceeded. If thermal overload trips due to abnormal operating temperatures, thermal overload shall remain open until manually reset by turning the heater off for fifteen minutes. Automatic reset of thermal overloads, which allow the element to continue to cycle under abnormal conditions, will not be accepted.

**Wall Can:** The wall can shall be 20 gauge electrogalvanized steel and shall contain a minimum of three (3) knockouts through which power leads are brought. The wall can shall have a depth gauge indicator, and a factory installed, insulated and stranded copper groundwire. Minimum clearance to floors and sidewalls. Zero clearance to combustibles.

**Grill:** The grill shall be a louvered, one-piece design with rounded edges on all four sides, with rounded corners to prevent snags from contact with other materials. The grill shall be epoxy powder-coated in the color specified on the plans.

**Approval:** Heaters shall be listed and approved by Underwriters Laboratories or equal.

**MODEL CODE:**

DEC1215-A-U			
DEC			Series
12			Volts
1500			Watts
A			Color
U			Ultra Grill

Standard Color: Bright White

**SELECTION:**

WATTAGE	120V		208V		240V		WT. (lbs.)
	MODEL	UPC #093319 PART #	MODEL	UPC #093319 PART #	MODEL	UPC #093319 PART #	
250 • 500 • 750 • 1000 • 1250 • 1500	DEC1215	19260					11
500 • 750 • 1000 • 1250 • 1500 • 1750 • 2250			DEC2022	19225	DEC2422	19264	
FACTORY INSTALLED OPTIONS							
ADD SUFFIX:	DESCRIPTION						
-A	Almond Color						9
-I	Interior and Grill Only (no wall can)						8.5
-H	Interior Only (no wall can or grill)						7
-U	Heat N' Style™ (DEC heater and ULTRA grill)						13
-SS	Stainless Steel						

## Heat 'N Style®



ULTRA Grill (-U)  
15 7/8" L x 7 1/4" H  
Patent #US D464,718 S  
(no built-in thermostat)

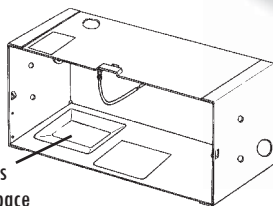


as shown: DEC2422

(DEC + -H = -I)

DEIC - Recess Wall Can

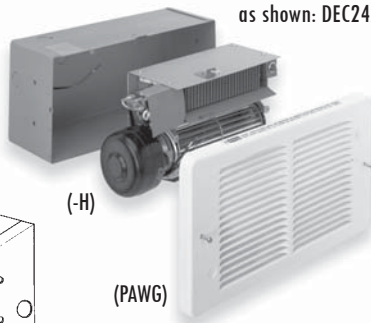
(DEIC)



Provides extra space for large motor

(-H)

(PAWG)


**ACCESSORIES:**

MODEL	DESCRIPTION	UPC #093319 PART #	WT. (lbs.)
DEIC	Recess Wall Can	16605	3.5
DEIC-F	Recess Can with Flange	18802	3.5
PAWS	PIC-A-WATT® Surface Can - White 13 1/2" L x 4 1/2" W x 7 1/2" H	16305	4
PAWS-A	PIC-A-WATT® Surface Can - Almond 13 1/2" L x 4 1/2" W x 7 1/2" H	19298	4
PAWG	Grill - White	16304	2
PAWG-A	Grill - Almond	16335	2
PAWG-SS	Grill - Stainless Steel	16330	2
PAW-GUARD	Safety Guard for PAW	16550	3.5
PAWOG-A	13" H x 13 1/2" W x 3/4" D Retrofit Grill	00555	3
PAWOG-B	8 1/2" H x 17" W x 3/4" D Retrofit Grill	00560	3
ULTRA-W	ULTRA Grill - White	18740	4
ULTRA-A	ULTRA Grill - Almond	18745	4

**DIMENSIONS:**
**MINIMUM CLEARANCE:**

Zero clearance to insulation  
4" above floor  
6" from adjacent wall

