

2600 Series Downflow Unit Heater

Product Specifications

21

SPECIFICATIONS: The contractor shall furnish and install the 2600 Series electric vertical discharge unit heaters of the size, capacity and voltage specified. Heaters shall be installed according to the manufacturer's recommendations and applicable national and local codes.

ELEMENTS: Elements shall consist of Nickel Chromium alloy resistance wire embedded and completely surrounded in Magnesium Oxide, enclosed and swagged into corrosion resistant sheaths. Corrosion resistant steel fins shall be permanently attached to the sheaths to provide maximum heat transfer to the air stream.

MOTORS: Motors shall be single phase, resilient mounted, totally enclosed, industrial rated with an automatic reset thermal overload protective device. Motors on heaters up to 20 KW capacity shall be permanently lubricated shaded pole type. Over 20 KW, motors shall be permanent split capacitor type. Motors shall be mounted out of the main air stream in such a manner as to allow ambient air to be drawn over the motor to reduce motor temperature. Motor shall be separately removable from beneath the heater without removing the entire heater from mounting bracket.

FAN BLADES: Fan blades shall be heavy-duty individually balanced axial flow type. Fan speed shall not exceed 1570 RPM.

THERMAL OVERLOAD PROTECTION: All heaters shall be equipped with a manual reset thermal cutout which disconnects elements and motor in the event normal operating temperatures are exceeded.

WIRING: Heaters shall be designed for a single supply circuit with elements, motor and control circuits subdivided and fused to conform with the latest National Electric Code and OSHA requirements. All three phase heaters shall have balanced phases.

CONTROLS: Heaters shall be controlled by a low voltage wall mounted thermostat. All heaters 25 KW and larger shall be wired for 2 stage operation. 5 KW through 20 KW units are single stage. All heaters shall be equipped with a fan safety device that causes fan to operate after elements are de-energized to purge unit of residual heat.

Standard Models

MFG CATALOG NUMBER	MFG MODEL NUMBER	KW	BTUs	VOLTS	PH	AMPS	CONTROL VOLTS	TEMP RISE °F	CFM	WT (LBS)
07157502	F1F2605CA1	5	17065	208	1	24.03	24	34	490	75
07157602	H1H2605CA1			240		20.83				
07157702	G1G2605CA1			277		18.05				
07157802	F3F2605CA1			208	3	13.89				
07157902	H3H2605CA1			240		12.04				
07158002	P3P2605CA1			480		6.02				
07158202	F1F2607CA1	7.5	25598	208	1	36.05	24	45	560	75
07158302	H1H2607CA1			240		31.25				
07158402	G1G2607CA1			277		27.07				
07158502	F3F2607CA1			208	3	20.84				
07158602	H3H2607CA1			240		18.06				
07158702	P3P2607CA1			480		9.03				
07158902	F1F2610CA1	10	34130	208	1	48.07	24	26	1200	75
07159002	H1H2610CA1			240		41.66				
07159102	G1G2610CA1			277		36.1				
07159202	F3F2610CA1			208		27.79				
07159302	H3H2610CA1			240		24.08				
07159402	P3P2610CA1			480		12.04				
07159602	F3F2615CA1	15	51195	208	3	41.68	24	39	1200	75
07159702	H3H2615CA1			240		36.12				
07159802	P3P2615CA1			480		18.06				
07160002	H3H2620CA1	19.4	68260	240		48.16	24	52	1200	75
07160102	P3P2620CA1	20		480		24.08				
07175102	F3F2625CA1	25	85325	208		69.48	24	24	3300	175
07175202	H3H2625CA1			240		60.21				
07175302	P3P2625CA1			480		30.1				
07175502	F3F2630CA1*	30	102390	208		83.37		29	3300	175
07175602	H3H2630CA1			240		72.25				
07175702	P3P2630CA1			480		36.12				
07175902	F3F2640CA1*	40	136520	208		111.17		38	3300	175
07176002	H3H2640CA1*			240		96.33				
07176102	P3P2640CA1			480		48.16				
07176302	F3F2650CA1*	50	170650	208		138.96		48	3300	175
07176402	H3H2650CA1*			240		120.42				
07176502	P3P2650CA1			480		60.21				

*Disconnect not available