

# DOWNFLOW UNIT HEATER



## CONSTRUCTION:

- 16 ga. steel cabinet with epoxy powder coated finish and control compartment with a hinged and latched access door
- OSHA guards standard with all models

## HEATING ELEMENT:

- Corrosion resistant element with steel sheath and steel spiral fins

## OVERHEAT PROTECTION:

- All units come equipped with manual reset limit controls to de-energize the heater should an over-temperature situation occur.

## FAN and MOTOR:

- Totally enclosed, 1 speed, 1 phase permanently lubricated, thermally protected motors with unit bearings on 3kW - 20kW models. Totally enclosed, 2 speed, 1 phase permanently lubricated, thermally protected motors with sleeve bearings on 24kW - 50kW models.
- Axial flow fan blade - 1570 RPM max.
- All Models equipped with Fan Purge which allows Fan to operate after elements are de-energized to purge residual heat

## TEMPERATURE CONTROLS:

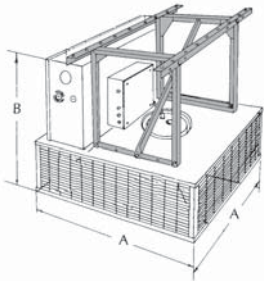
- 208v, 240v, 277v and 480v units have In-Built 24 volt transformer for low voltage remote thermostat application
- 600v units have In-Built 240v control on 5-20 kW models, 25-50 kW models have 24v control
- 25kW - 50kW models may operate as 2 stage heaters if 2 stage remote thermostat is used

## DISCONNECT SWITCH:

- All Models equipped with In-Built Disconnect except F3F2640, F3F2650 and H3H2650


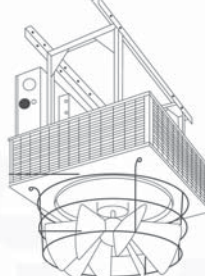
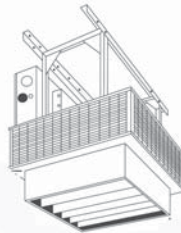

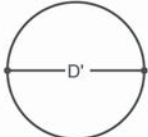
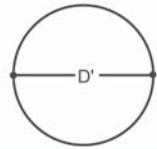
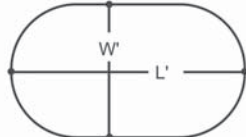
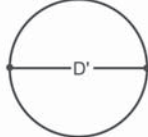
## INSTALLATION:

- Unit can be mounted using optional mounting bracket or field constructed angle iron bracket
- Not recommended for mounting with threaded rod or chain



Optional Mounting Bracket

HEATER kW	DIMENSIONS (in.)	
	A	B
5 - 20	20 1/2	15
25 - 50	27	21 1/2

Descriptions ↓ Diffuser ↓	Standard Heater	Radial Louvered Cone Diffuser	Linear Louvered Diffuser	Anemostat Diffuser																																																																																																																									
		 For general distribution. Choice of other diffusers may be added after installation if required.	 With vanes vertical, straightens air for higher mounting. Closed position for broad horizontal coverage. Adjustable for intermediate requirements.	 Affords more precise directional throw where heaters cannot be mounted directly over area to be heated or for heating long narrow areas.	 Blends room air with heated air for widespread distribution without excessive drafts.																																																																																																																								
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UPC 686334	MODEL	KW	BTU's	VOLTS	PH	AMPS	CONTROL VOLTS	TEMP RISE °F	CFM	WT (lbs.)	LIST
715751	F1F2605CA 1	5	17,065	208	1	24.0	24	34	490	75	1045
715768	H1H2605CA 1			240	1	20.8	24				1045
715775	G1G2605CA 1			277	1	18.1	24				1045
715782	F3F2605CA 1			208	3	13.9	24				1045
715799	H3H2605CA 1			240	3	12.0	24				1045
715805	P3P2605CA 1			480	3	6.0	24				1278
715812	U3H2605CA 4			600	3	4.8	240				1278
715829	F1F2607CA 1	7.5	25,598	208	1	36.1	24	45	560	75	1344
715836	H1H2607CA 1			240	1	31.3	24				1344
715843	G1G2607CA 1			277	1	27.1	24				1344
715850	F3F2607CA 1			208	3	20.8	24				1344
715867	H3H2607CA 1			240	3	18.1	24				1344
715874	P3P2607CA 1			480	3	9.0	24				1476
715881	U3H2607CA 4			600	3	7.2	240				1476
715898	F1F2610CA 1	10	34,130	208	1	48.1	24	26	1200	75	1840
715904	H1H2610CA 1			240	1	41.7	24				1840
715911	G1G2610CA 1			277	1	36.1	24				1840
715928	F3F2610CA 1			208	3	27.8	24				1840
715935	H3H2610CA 1			240	3	24.1	24				1840
715942	P3P2610CA 1			480	3	12.0	24				2171
715959	U3H2610CA 4			600	3	9.6	240				2834
715966	F3F2615CA 1	15	51,195	208	3	41.7	24	39	1200	75	2104
715973	H3H2615CA 1			240	3	36.1	24				2104
715980	P3P2615CA 1			480	3	18.1	24				2369
715997	U3H2615CA 4			600	3	14.5	240				3329
716963	F3F2620CA 1	20	68,260	208	3	55.6	24	52	1200	75	2436
716000	H3H2620CA 1			240	3	48.2	24				2436
716017	P3P2620CA 1			480	3	24.1	24				2866
717502	U3H2620CA 4			600	3	19.3	240				3695
717519	F3F2625CA 1	25	85,325	208	3	69.5	24	24	3300	175	3239
717526	H3H2625CA 1			240	3	60.2	24				3239
717533	P3P2625CA 1			480	3	30.1	24				3306
717540	U3U2625CA 1			600	3	24.1	24				4033
717557	F3F2630CA 1	30	102,390	208	3	83.4	24	29	3300	175	3537
717564	H3H2630CA 1			240	3	72.3	24				3537
717571	P3P2630CA 1			480	3	36.1	24				3968
717588	U3U2630CA 1			600	3	28.9	24				5028
717595	F3F2640CA 1	40	136,520	208	3	111.2	24	38	3300	175	4697
717601	H3H2640CA 1			240	3	96.3	24				4697
717618	P3P2640CA 1			480	3	48.2	24				4697
717625	U3U2640CA 1			600	3	38.5	24				5690
717632	F3F2650CA 1	50	170,650	208	3	139.0	24	48	3300	175	5358
717649	H3H2650CA 1			240	3	120.4	24				5358
717656	P3P2650CA 1			480	3	60.2	24				5358
717663	U3U2650CA 1			600	3	48.2	24				6352

## FIELD INSTALLED OPTIONAL ACCESSORIES

UPC 686334	MODEL	DESCRIPTION	LIST
692632	FSW5112	Summer Fan Sw itch	172
692809	TC5102	Wall Mounted Stratification Thermostat	170
717755	A1600	Ceiling Mount Bracket 5-20 kW Models	111
717762	A1601	Ceiling Mount Bracket 25-50 kW Models	124

TC5102 range is 70°-140°F

UPC 686334	MODEL	DESCRIPTION	LIST
717793	D1602	Linear Louvered Diffuser 5-20 KW Models	371
717809	D1612	Linear Louvered Diffuser 25-50 KW Models	553
717816	D1600	Radial Louvered Cone Diffuser 5-20 KW Models	411
717823	D1610	Radial Louvered Cone Diffuser 25-50 KW Models	480
717830	D1603	Anemostat Diffuser 5-20 KW Models	371
717847	D1613	Anemostat Diffuser 25-50 KW Models	553