



# 5100 Series With Thermostat

Data Sheet

## General Characteristics 5100 Series Horizontal or Vertical Mounted Fan Forced Unit Heater

Heavy 18 gauge welded steel cabinet with powder coated finish and control compartment housing a master terminal board with a hinged and latched access door, simplifying wiring, installation & maintenance.

Copper clad steel sheath element with continuously brazed steel fins formed to allow side draw through air flow.

All units come equipped with automatic reset type limit controls to de-energize the heater should an over-temperature situation occur. Totally enclosed, 1-speed, 1-phase, permanently lubricated, thermally protected motors with unit bearings on 3 KW - 20 KW models. Totally enclosed, 2-speed, 1-phase, permanently lubricated, thermally protected motors with sleeve bearings on 25 KW - 50 KW models. Fan over-ride purges unit of residual heat at shutdown.

Louvers are individually adjustable for directional control of air flow up to 15° from straight horizontal. Optional diffusers available for down flow (vertical discharge) applications.

Optional low voltage and line voltage thermostats available with an adjustable temperature range of 40°F to 110°F. Units with model numbers ending in CA1 are factory wired for low voltage controls. 25 KW through 50 KW units are designed for two stage heating operation.

Unit Heaters can be mounted for horizontal or vertical discharge. Applications up to 6000 ft. See UH Series above 6000 ft.

Includes Thermostat.

Made in U.S.A.

## Product Applications 5100 Series Horizontal or Vertical Mounted Fan Forced Unit Heater

Recommended for all industrial, commercial, and residential. For indoor and outdoor use.

## Warranties 5100 Series Horizontal or Vertical Mounted Fan Forced Unit Heater

Manufacturer's Limited Warranty: 1 Year.



## Specific Characteristics 5100 Series Horizontal or Vertical Mounted Fan Forced Unit Heater

Item #	Watts	BTU's	Volts	PH	Amps	Control voltage	Temp Rise (°F)	Air Throw	CFM	Recom'd mounting ht.		Weight and Dimensions With Packaging (CM)	
										Horizontal	Vertical	Lbs	W, H, D
USSHU-001	3.3	11.2	208	1	15.9	208	26°F	12'	400	9'	9'	25	45,17,37
USSHU-002	3.3/2.5	11.2/8.5	240/208	1	13.7/12	240/208	26°F	12'	400	9'	9'	25	45,17,37
USSHU-003	3.3	11.2	208	1/3	15.9/9.17	208	26°F	12'	400	9'	9'	25	45,17,37
USSHU-004	3.3	11.2	208	1/3	15.9/9.17	208	26°F	12'	400	9'	9'	25	45,17,37



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Specific Characteristics 5100 Series Horizontal or Vertical Mounted Fan Forced Unit Heater

Item #	Watts	BTU's	Volts	PH	Amps	Control voltaje	Temp Rise (°F)	Air Throw	CFM	Recom'd mounting ht.		Weight and Dimensions With Packaging (CM)	
										Horizontal	Vertical	Lbs	W, H, D
USSHU-005	3.3/2.5	11.2/8.5	240/208	1/3	13.7/11.9	240/208	26°F	12'	400	9'	9'	25	45,17,37
USSHU-006	3.3/2.6	11.2/8.6	240/209	3	7.9/6.9	240/209	26°F	12'	400	9'	9'	25	45,17,37
USSHU-007	3.3	11.2	277	1	11.9	277	26°F	12'	400	9'	9'	25	45,17,37
USSHU-008	3.3	11.2	480	3	4	24	26°F	12'	400	9'	9'	25	45,17,37
USSHU-009	5	17.1	208	1	24.1	208	40°F	12'	400	9'	9'	25	45,17,37
USSHU-010	5/3.7	17.1/12.8	240/208	1	20.9/18.1	240/208	40°F	12'	400	9'	9'	25	45,17,37
USSHU-011	5	17.1	208	1/3	24.1	208	40°F	12'	400	9'	9'	25	45,17,37
USSHU-012	5	17.1	208	3	13.9	208	40°F	12'	400	9'	9'	25	45,17,37
USSHU-013	5	17.1	240	1/3	20.8/18.1	240	40°F	12'	400	9'	9'	27	45,17,37
USSHU-014	3.7	12.8	208	1/3	17.1/10.4	208	40°F	12'	400	9'	9'	27	45,17,37
USSHU-015	5	17.1	277	1	18.1	277	40°F	12'	400	9'	9'	27	45,17,37
USSHU-016	5	17.1	480	3	6.1	24	40°F	12'	400	9'	9'	27	45,17,37
USSHU-017	7.5	25.6	208	1/3	36.1/20.8	24	34°F	22'	700	10'	12'	54	62,17,55
USSHU-018	7.5	25.6	208	1/3	36.1/20.8	24	34°F	22'	700	10'	12'	54	62,17,55
USSHU-019	7.5	25.6	240	1/3	27.1/16.04	24	34°F	22'	700	10'	12'	54	62,17,55
USSHU-020	5.6	19.2	208	1/3	31.3/27.1	24	34°F	22'	700	10'	12'	54	62,17,55
USSHU-021	7.5	25.6	277	1	27.1	24	34°F	22'	700	10'	12'	54	62,17,55
USSHU-022	7.5	25.6	480	3	9.1	24	34°F	22'	700	10'	12'	54	62,17,55
USSHU-023	9.9	33.8	208	1/3	47.8/27.4	24	45°F	22'	700	10'	14'	55	62,17,55
USSHU-024	9.9	33.8	208	1/3	47.8/27.4	24	45°F	22'	700	10'	14'	55	62,17,55
USSHU-025	10	34.1	240	1/3	41.2/24	24	45°F	22'	700	10'	14'	55	62,17,55
USSHU-026	7.5	25.6	208	1/3	36.1/20.7	24	45°F	22'	700	10'	14'	55	62,17,55
USSHU-027	10	34.1	277	1	36.1	24	45°F	22'	700	10'	14'	55	62,17,55
USSHU-028	10	34.1	480	3	12.4	24	45°F	22'	700	10'	14'	55	62,17,55
USSHU-029	15	51.2	208	3	41.7	24	43°F	32'	1100	11'	20'	64	73,17,55
USSHU-030	15/11.2	51.2/38.4	240/208	3	36.1/31.3	24	43°F	32'	1100	11'	20'	64	73,17,55
USSHU-031	15	51.2	480	3	18.1	24	43°F	32'	1100	11'	20'	64	73,17,55
USSHU-032	19.7/14.8	67.2/50.5	240/208	3	47.8/41.1	24	57°F	32'	1100	12'	18'	65	73,17,55
USSHU-033	20	68.3	480	3	24.1	24	57°F	32'	1100	12'	18'	65	73,17,55
USSHU-034	25	85.3	208	3	69.5	24	40/44°F	45'	2000/1800	12'	22'	120	87,26,75
USSHU-035	25/18.7	85.3/64	240/208	3	60.2/52.1	24	40/44°F	45'	2000/1800	12'	22'	120	87,26,75
USSHU-036	25	85.3	480	3	30.1	24	40/44°F	45'	2000/1800	12'	22'	120	87,26,75
USSHU-037	30	102.4	208	3	83.4	24	47/53°F	40'	2000/1800	12'	20'	120	87,26,75
USSHU-038	30/22.5	102.4/76.8	240/208	3	72.3/62.5	24	47/53°F	40'	2000/1800	12'	20'	120	87,26,75
USSHU-039	30	102.4	480	3	36.2	24	47/53°F	40'	2000/1800	12'	20'	120	87,26,75
USSHU-040	40	136.5	208	3	111.2	24	40/45°F	55'	3100/2800	15'	24'	120	87,26,75
USSHU-041	40/30	136.5/102.4	240/208	3	96.4/83.4	24	40/45°F	55'	3100/2800	15'	24'	120	87,26,75
USSHU-042	39	133.1	480	3	47	24	40/45°F	55'	3100/2800	15'	24'	120	87,26,75
USSHU-043	49.6	169.3	208	3	139	24	51/56°F	50'	3100/2800	15'	27'	120	87,26,75
USSHU-044	50/37.5	170.6/128	240/208	3	120.5/104.3	24	51/56°F	50'	3100/2800	15'	27'	120	87,26,75
USSHU-045	50	170.6	480	3	60.3	24	51/56°F	50'	3100/2800	15'	27'	120	87,26,75
USSHU-046	3.3	11.2	208	1	15.9	208	26°F	12'	400	9'	9'	25	45,17,37
USSHU-047	3.3/2.5	11.2/8.5	240/208	1	13.7/12	240/208	26°F	12'	400	9'	9'	25	45,17,37
USSHU-048	3.3	11.2	208	1/3	15.9/9.17	208	26°F	12'	400	9'	9'	25	45,17,37
USSHU-049	3.3	11.2	208	1/3	15.9/9.17	208	26°F	12'	400	9'	9'	25	45,17,37
USSHU-050	3.3/2.5	11.2/8.5	240/208	1/3	13.7/11.9	240/208	26°F	12'	400	9'	9'	25	45,17,37
USSHU-051	3.3/2.6	11.2/8.6	240/209	3	7.9/6.9	240/209	26°F	12'	400	9'	9'	25	45,17,37
USSHU-052	3.3	11.2	277	1	11.9	277	26°F	12'	400	9'	9'	25	45,17,37
USSHU-053	3.3	11.2	480	3	4	24	26°F	12'	400	9'	9'	25	45,17,37
USSHU-054	5	17.1	208	1	24.1	208	40°F	12'	400	9'	9'	25	45,17,37
USSHU-055	5/3.7	17.1/12.8	240/208	1	20.9/18.1	240/208	40°F	12'	400	9'	9'	25	45,17,37
USSHU-056	5	17.1	208	1/3	24.1	208	40°F	12'	400	9'	9'	25	45,17,37
USSHU-057	5	17.1	208	3	13.9	208	40°F	12'	400	9'	9'	25	45,17,37
USSHU-058	5	17.1	240	1/3	20.8/18.1	240	40°F	12'	400	9'	9'	27	45,17,37
USSHU-059	3.7	12.8	208	1/3	17.1/10.4	208	40°F	12'	400	9'	9'	27	45,17,37
USSHU-060	5	17.1	277	1	18.1	277	40°F	12'	400	9'	9'	27	45,17,37
USSHU-061	5	17.1	480	3	6.1	24	40°F	12'	400	9'	9'	27	45,17,37
USSHU-062	7.5	25.6	208	1/3	36.1/20.8	24	34°F	22'	700	10'	12'	54	62,17,55
USSHU-063	7.5	25.6	208	1/3	36.1/20.8	24	34°F	22'	700	10'	12'	54	62,17,55
USSHU-064	7.5	25.6	240	1/3	27.1/16.04	24	34°F	22'	700	10'	12'	54	62,17,55
USSHU-065	5.6	19.2	208	1/3	31.3/27.1	24	34°F	22'	700	10'	12'	54	62,17,55
USSHU-066	7.5	25.6	277	1	27.1	24	34°F	22'	700	10'	12'	54	62,17,55



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## Data Sheet

Specific Characteristics 5100 Series Horizontal or Vertical Mounted Fan Forced Unit Heater

Item #	Watts	BTU's	Volts	PH	Amps	Control voltage	Temp Rise (°F)	Air Throw	CFM	Recom'd mounting ht.		Weight and Dimensions With Packaging (CM)	
										Horizontal	Vertical	Lbs	W, H, D
USSHU-067	7.5	25.6	480	3	9.1	24	34°F	22'	700	10'	12'	54	62,17,55
USSHU-068	9.9	33.8	208	1/3	47.8/27.4	24	45°F	22'	700	10'	14'	55	62,17,55
USSHU-069	9.9	33.8	208	1/3	47.8/27.4	24	45°F	22'	700	10'	14'	55	62,17,55
USSHU-070	10	34.1	240	1/3	41.2/24	24	45°F	22'	700	10'	14'	55	62,17,55
USSHU-071	7.5	25.6	208	1/3	36.1/20.7	24	45°F	22'	700	10'	14'	55	62,17,55
USSHU-072	10	34.1	277	1	36.1	24	45°F	22'	700	10'	14'	55	62,17,55
USSHU-073	10	34.1	480	3	12.4	24	45°F	22'	700	10'	14'	55	62,17,55
USSHU-074	15	51.2	208	3	41.7	24	43°F	32'	1100	11'	20'	64	73,17,55
USSHU-075	15/11.2	51.2/38.4	240/208	3	36.1/31.3	24	43°F	32'	1100	11'	20'	64	73,17,55
USSHU-076	15	51.2	480	3	18.1	24	43°F	32'	1100	11'	20'	64	73,17,55
USSHU-077	19.7/14.8	67.2/50.5	240/208	3	47.8/41.1	24	57°F	32'	1100	12'	18'	65	73,17,55
USSHU-078	20	68.3	480	3	24.1	24	57°F	32'	1100	12'	18'	65	73,17,55
USSHU-079	25	85.3	208	3	69.5	24	40/44°F	45'	2000/1800	12'	22'	120	87,26,75
USSHU-080	25/18.7	85.3/64	240/208	3	60.2/52.1	24	40/44°F	45'	2000/1800	12'	22'	120	87,26,75
USSHU-081	25	85.3	480	3	30.1	24	40/44°F	45'	2000/1800	12'	22'	120	87,26,75
USSHU-082	30	102.4	208	3	83.4	24	47/53°F	40'	2000/1800	12'	20'	120	87,26,75
USSHU-083	30/22.5	102.4/76.8	240/208	3	72.3/62.5	24	47/53°F	40'	2000/1800	12'	20'	120	87,26,75
USSHU-084	30	102.4	480	3	36.2	24	47/53°F	40'	2000/1800	12'	20'	120	87,26,75
USSHU-085	40	136.5	208	3	111.2	24	40/45°F	55'	3100/2800	15'	24'	120	87,26,75
USSHU-086	40/30	136.5/102.4	240/208	3	96.4/83.4	24	40/45°F	55'	3100/2800	15'	24'	120	87,26,75
USSHU-087	39	133.1	480	3	47	24	40/45°F	55'	3100/2800	15'	24'	120	87,26,75
USSHU-088	49.6	169.3	208	3	139	24	51/56°F	50'	3100/2800	15'	27'	120	87,26,75
USSHU-089	50/37.5	170.6/128	240/208	3	120.5/104.3	24	51/56°F	50'	3100/2800	15'	27'	120	87,26,75
USSHU-090	50	170.6	480	3	60.3	24	51/56°F	50'	3100/2800	15'	27'	120	87,26,75

\*Optional wall mounted energy saving SDHW1001 Thermostat recommended



Recommended Control Options, Control Accessory Options, & Control Accessories						
Specific Characteristics 5100 Series Horizontal or Vertical Mounted Fan Forced Unit Heater						
Item #	Thermostat		Item #	Thermostat		Lbs
	IN-BUILT	Description		WALL MOUNTED	Description	
USSHU-001	T5100	SPST; PILOT DUTY 25 AMP, 24-277V , (40-110 oF)	USSHU-046	ET9STS	SP; 22 Amp; 120-277V; 50-90°F	0.75
USSHU-002	T5100	SPST; PILOT DUTY 25 AMP, 24-277V , (40-110 oF)	USSHU-047	ET9STS	SP; 22 Amp; 120-277V; 50-90°F	0.75
USSHU-003	T5100	SPST; PILOT DUTY 25 AMP, 24-277V , (40-110 oF)	USSHU-048	ET9STS	SP; 22 Amp; 120-277V; 50-90°F	0.75
USSHU-004	T5102	DPST; LINE DUTY 25 AMP 120-277V 25 AMP, 120-277V , (40-120 oF)	USSHU-049	TW 1512	DPST; 25 AMP; 120-277V; 50-90°F	5
USSHU-005	T5100	SPST; PILOT DUTY 25 AMP, 24-277V , (40-110 oF)	USSHU-050	ET9STS	SP; 22 Amp; 120-277V; 50-90°F	0.75
USSHU-006	T5102	DPST; LINE DUTY 25 AMP 120-277V 25 AMP, 120-277V , (40-120 oF)	USSHU-051	TW 1512	DPST; 25 AMP; 120-277V; 50-90°F	5
USSHU-007	T5100	SPST; PILOT DUTY 25 AMP, 24-277V , (40-110 oF)	USSHU-052	ET9STS	SP; 22 Amp; 120-277V; 50-90°F	0.75
USSHU-008	T5100	SPST; PILOT DUTY 25 AMP, 24-277V , (40-110 oF)	USSHU-053	RK120EAA	24VAC or MV; 50-90°F	5
USSHU-009	T5100	SPST; PILOT DUTY 25 AMP, 24-277V , (40-110 oF)	USSHU-054	S2022H10AA	SP; 25 Amp; 120-277VI; 50-90°F, Single Pole Wall Mounted Line Voltage	5
USSHU-010	T5100	SPST; PILOT DUTY 25 AMP, 24-277V , (40-110 oF)	USSHU-055	ET9STS	SP; 22 Amp; 120-277V; 50-90°F	0.75
USSHU-011	T5100	SPST; PILOT DUTY 25 AMP, 24-277V , (40-110 oF)	USSHU-056	S2022H10AA	SP; 25 Amp; 120-277VI; 50-90°F, Single Pole Wall Mounted Line Voltage	5
USSHU-012	T5102	DPST; LINE DUTY 25 AMP 120-277V 25 AMP, 120-277V , (40-120 oF)	USSHU-057	TW 1512	DPST; 25 AMP; 120-277V; 50-90°F	5
USSHU-013	T5100	SPST; PILOT DUTY 25 AMP, 24-277V , (40-110 oF)	USSHU-058	ET9STS	SP; 22 Amp; 120-277V; 50-90°F	0.75
USSHU-014	T5102	DPST; LINE DUTY 25 AMP 120-277V 25 AMP, 120-277V , (40-120 oF)	USSHU-059	TW 1512	DPST; 25 AMP; 120-277V; 50-90°F	5
USSHU-015	T5100	SPST; PILOT DUTY 25 AMP, 24-277V , (40-110 oF)	USSHU-060	S2022H10AA	SP; 25 Amp; 120-277VI; 50-90°F, Single Pole Wall Mounted Line Voltage	5
USSHU-016	T5100	SPST; PILOT DUTY 25 AMP, 24-277V , (40-110 oF)	USSHU-061	RK120EAA	24VAC or MV; 50-90°F	5
USSHU-017	T5100	SPST; PILOT DUTY 25 AMP, 24-277V , (40-110 oF)	USSHU-062	RK120EAA	24VAC or MV; 50-90°F	5
USSHU-018	T5100	SPST; PILOT DUTY 25 AMP, 24-277V , (40-110 oF)	USSHU-063	RK120EAA	24VAC or MV; 50-90°F	5
USSHU-019	T5100	SPST; PILOT DUTY 25 AMP, 24-277V , (40-110 oF)	USSHU-064	RK120EAA	24VAC or MV; 50-90°F	5
USSHU-020	T5100	SPST; PILOT DUTY 25 AMP, 24-277V , (40-110 oF)	USSHU-065	RK120EAA	24VAC or MV; 50-90°F	5
USSHU-021	T5100	SPST; PILOT DUTY 25 AMP, 24-277V , (40-110 oF)	USSHU-066	RK120EAA	24VAC or MV; 50-90°F	5
USSHU-022	T5100	SPST; PILOT DUTY 25 AMP, 24-277V , (40-110 oF)	USSHU-067	RK120EAA	24VAC or MV; 50-90°F	5
USSHU-023	T5100	SPST; PILOT DUTY 25 AMP, 24-277V , (40-110 oF)	USSHU-068	RK120EAA	24VAC or MV; 50-90°F	5
USSHU-024	T5100	SPST; PILOT DUTY 25 AMP, 24-277V , (40-110 oF)	USSHU-069	RK120EAA	24VAC or MV; 50-90°F	5
USSHU-025	T5100	SPST; PILOT DUTY 25 AMP, 24-277V , (40-110 oF)	USSHU-070	RK120EAA	24VAC or MV; 50-90°F	5
USSHU-026	T5100	SPST; PILOT DUTY 25 AMP, 24-277V , (40-110 oF)	USSHU-071	RK120EAA	24VAC or MV; 50-90°F	5



# 5100 Series With Thermostat

Data Sheet

Recommended Control Options, Control Accessory Options, & Control Accessories						
Specific Characteristics 5100 Series Horizontal or Vertical Mounted Fan Forced Unit Heater						
Item #	Thermostat		Item #	Thermostat		Lbs
	IN-BUILT	Description		WALL MOUNTED	Description	
<b>USSHU-027</b>	T5100	SPST; PILOT DUTY 25 AMP, 24-277V , (40-110 oF)	<b>USSHU-072</b>	RK120EAA	24VAC or MV; 50-90°F	5
<b>USSHU-028</b>	T5100	SPST; PILOT DUTY 25 AMP, 24-277V , (40-110 oF)	<b>USSHU-073</b>	RK120EAA	24VAC or MV; 50-90°F	5
<b>USSHU-029</b>	T5100	SPST; PILOT DUTY 25 AMP, 24-277V , (40-110 oF)	<b>USSHU-074</b>	RK120EAA	24VAC or MV; 50-90°F	5
<b>USSHU-030</b>	T5100	SPST; PILOT DUTY 25 AMP, 24-277V , (40-110 oF)	<b>USSHU-075</b>	RK120EAA	24VAC or MV; 50-90°F	5
<b>USSHU-031</b>	T5100	SPST; PILOT DUTY 25 AMP, 24-277V , (40-110 oF)	<b>USSHU-076</b>	RK120EAA	24VAC or MV; 50-90°F	5
<b>USSHU-032</b>	T5100	SPST; PILOT DUTY 25 AMP, 24-277V , (40-110 oF)	<b>USSHU-077</b>	RK120EAA	24VAC or MV; 50-90°F	5
<b>USSHU-033</b>	T5100	SPST; PILOT DUTY 25 AMP, 24-277V , (40-110 oF)	<b>USSHU-078</b>	RK120EAA	24VAC or MV; 50-90°F	5
<b>USSHU-034</b>	T5100	SPST; PILOT DUTY 25 AMP, 24-277V , (40-110 oF)	<b>USSHU-079</b>	SDHW1001	MULTI-STAGE; 50-90°F	5
<b>USSHU-035</b>	T5100	SPST; PILOT DUTY 25 AMP, 24-277V , (40-110 oF)	<b>USSHU-080</b>	SDHW1001	MULTI-STAGE; 50-90°F	5
<b>USSHU-036</b>	T5100	SPST; PILOT DUTY 25 AMP, 24-277V , (40-110 oF)	<b>USSHU-081</b>	SDHW1001	MULTI-STAGE; 50-90°F	5
<b>USSHU-037</b>	T5100	SPST; PILOT DUTY 25 AMP, 24-277V , (40-110 oF)	<b>USSHU-082</b>	SDHW1001	MULTI-STAGE; 50-90°F	5
<b>USSHU-038</b>	T5100	SPST; PILOT DUTY 25 AMP, 24-277V , (40-110 oF)	<b>USSHU-083</b>	SDHW1001	MULTI-STAGE; 50-90°F	5
<b>USSHU-039</b>	T5100	SPST; PILOT DUTY 25 AMP, 24-277V , (40-110 oF)	<b>USSHU-084</b>	SDHW1001	MULTI-STAGE; 50-90°F	5
<b>USSHU-040</b>	T5100	SPST; PILOT DUTY 25 AMP, 24-277V , (40-110 oF)	<b>USSHU-085</b>	SDHW1001	MULTI-STAGE; 50-90°F	5
<b>USSHU-041</b>	T5100	SPST; PILOT DUTY 25 AMP, 24-277V , (40-110 oF)	<b>USSHU-086</b>	SDHW1001	MULTI-STAGE; 50-90°F	5
<b>USSHU-042</b>	T5100	SPST; PILOT DUTY 25 AMP, 24-277V , (40-110 oF)	<b>USSHU-087</b>	SDHW1001	MULTI-STAGE; 50-90°F	5
<b>USSHU-043</b>	T5100	SPST; PILOT DUTY 25 AMP, 24-277V , (40-110 oF)	<b>USSHU-088</b>	SDHW1001	MULTI-STAGE; 50-90°F	5
<b>USSHU-044</b>	T5100	SPST; PILOT DUTY 25 AMP, 24-277V , (40-110 oF)	<b>USSHU-089</b>	SDHW1001	MULTI-STAGE; 50-90°F	5
<b>USSHU-045</b>	T5100	SPST; PILOT DUTY 25 AMP, 24-277V , (40-110 oF)	<b>USSHU-090</b>	SDHW1001	MULTI-STAGE; 50-90°F	5

\*Disconnect must be rated at 80% of total amload.

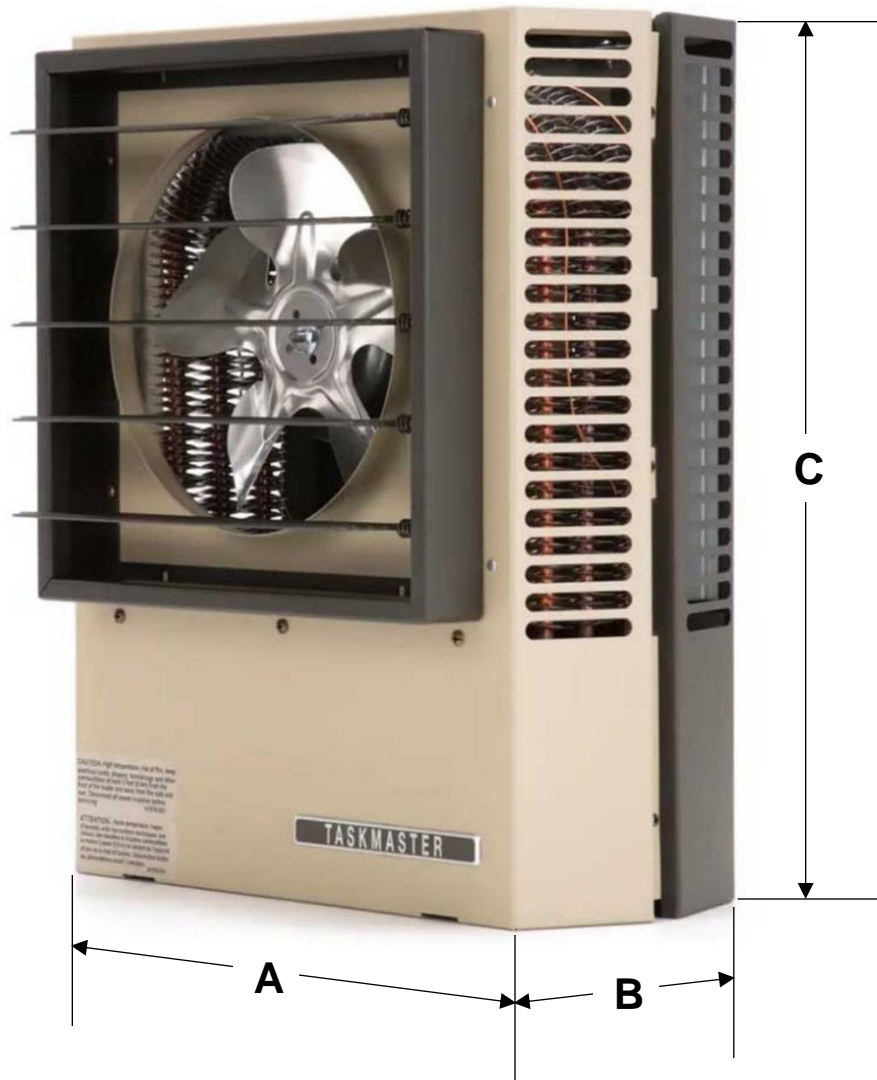


# 5100 Series With Thermostat

Data Sheet

**Dimensions (in) 5100 Series Horizontal or Vertical Mounted Fan Forced Unit Heater**

Item #	Wide	Deep	High
	A	B	C
USSHU-001 a USSHU-011	17 3/4	14 15/32	6 1/2
USSHU-012 a USSHU-025	24 5/16	21 1/2	6 1/2
USSHU-026 a USSHU-030	28 11/16	21 1/2	6 1/2
USSHU-031 a USSHU-042	34	29 1/4	10 1/16





# 5100 Series With Thermostat

## Data Sheet

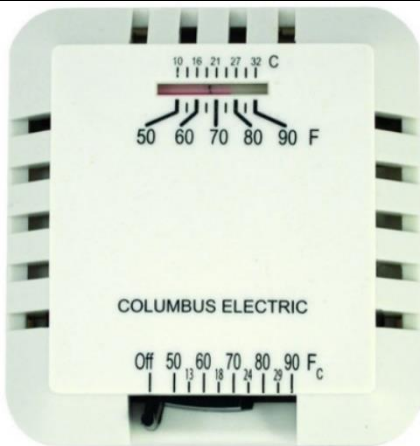
ET9STS



TW1512



RK120EAA



S2022H10AA



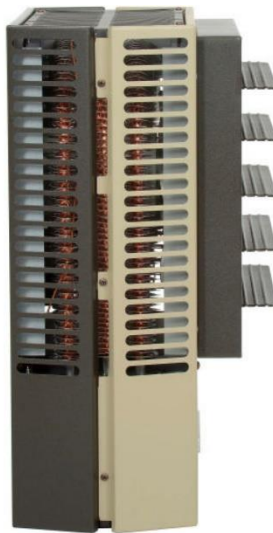
SDHW1001





# 5100 Series With Thermostat

Data Sheet







## Installing the Taskmaster Series

### Installing the Taskmaster Series

#### DETERMINING HEATER REQUIREMENTS

Calculate the heating loads using the NEMA handbook or ASHRAE guide. Then determine the quantity and size of unit heaters to be used. To maintain uniform heat and reduce stratified air, it is recommended that the total CFM of the units turn the air over approximately 3 times per hour. In instances where a large group of people are located and normally in the same area, use a large number of lower KW unit heaters. In warehouse areas or storage rooms where heat distribution and constant temperatures are less important, use fewer heaters of higher capacity

#### HORIZONTAL MOUNT

Small rooms can be heated by one unit heater. Where two walls are exposed, heaters should be mounted as shown in Figure A. In larger rooms, units should be located so their air streams wipe exposed walls without blowing at them. Units should be located so that the air stream of one supports that of another thus setting up a circulatory air movement shown in Figure B. (Distance between units to be approximately 1-1/2 times published air throw.) Units should not be mounted horizontally in areas having ceiling heights in excess of 15-18 ft.

#### VERTICAL MOUNT

Units should be mounted vertically in high bay areas, or where heater location would not interfere with plant operation or traffic. Heaters should be situated to provide free air circulation. Size and selection of units should be based on recommended mounting height. Optional diffusers may best be employed to reduce high air velocity and at the same time disperse heated air in a uniform pattern. When unit heaters are used to combat cold air inrush from opened loading dock doors, one or more units should be arranged to blow warm air across opening (Figure C).

#### DUAL MOUNTING

Where square footage is large and comfort essential, both horizontal and vertical installations may best serve your requirements as Figure D demonstrates.

**Note: Products in this section with factory installed controls are subject to 100% cancellation/restocking charges.**

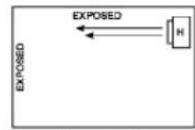


Figure A

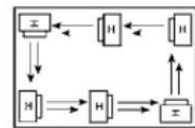


Figure B

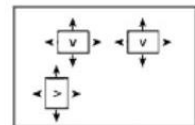


Figure C

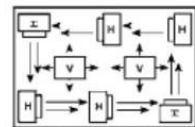


Figure D

ID	Author	Description Error	Description Update	Supervisor Name
V1	Angelica Romero	New Data Sheet	New Data Sheet	Jessica Lorenzo