5100 Series Horizontal or Vertical Mounted Fan Forced Unit Heater

Standard Taskmaster Models & Series Notes

UPC# 686334	MODEL	KW	BTU / H	VOLTS	PH	AMPS	CONTROL VOLTAGE	TEMP RISE	AIR THROW	CFM	RECOMMENDED MOUNTING HT. Horizontal	RECOMMENDED MOUNTING HT. Vertical	WT. (LBS)	LIST
645089	F1F5103N	3.3	11.2	208	1	15.9 / 9.17	208	26°F	12'	400	9'	9'	25	714
645102	HF1B5103N	3.3/2.5	11.2 / 8.5	240/208	1	13.7 / 11.9	240 / 208							
645683	F2F5103N	3.3	11.2	208	1 / 3	15.9 / 9.17	208							
645706	HF2B5103N	3.3/2.5	11.2 / 8.5	240/208	1 / 3	13.7 / 11.9	240 / 208							
					3	7.9 / 6.9								
645720	G1G5103N	3.3	11.2	277	1	11.9	277							
645126	P3P5103CA1N			480	3	4.0	24							910
645546	F1F5105N	5.0	17.1	208	1	24.1	208	40°F	12'	400	9'	9'	25	746
645560	HF1B5105N	5.0/3.7	17.1 / 12.8	240/208	1	20.9 / 18.1	240 / 208							
645140	F2F5105N	5.0	17.1	208	1 / 3	24.1	208							
					3	13.9								
645164	HF2B5105N	5.0	17.1	240	1 / 3	20.8 / 18.1	240						27	
		3.7	12.8	208	1 / 3	12.1 / 10.4	208							
645843	G1G5105N	5.0	17.1	277	1	18.1	277							
645188	P3P5105CA1N	5.0	17.1	480	3	6.1	24							987
645201	F2F5107CA1L	7.5	25.6	208	1 / 3	36.1 / 20.8	24	34°F	22'	700	10'	12'	54	1150
645225	HF2B5107CA1L	7.5	25.6	240	1 / 3	27.1 / 31.3								
		5.6	19.2	208	1 / 3	31.3 / 27.1								
645928	G1G5107CA1L	7.5	25.6	277	1	27.1								
645249	P3P5107CA1N	7.5	25.6	480	3	9.1								1241
645263	F2F5110CA1L	9.9	33.8	208	1 / 3	47.8 / 27.4		45°F	22'	700	10'	14'	55	1267
645287	HF2B5110CA1L	10.0	34.1	240	1 / 3	41.2 / 24.0								
		7.5	25.6	208	1 / 3	36.1 / 20.8								
645645	G1G5110CA1N	10.0	34.1	277	1	36.1								
645300	P3P5110CA1N	10.0	34.1	480	3	12.1								1314
645324	F3F5115CA1L	15.0	51.2	208	3	41.7		43°F	32'	1100	11'	20'	64	2040
645348	HF3B5115CA1L	15.0/11.2	51.2 / 38.4	240/208	3	36.1 / 31.3								
645362	P3P5115CA1N	15.0	51.2	480	3	18.1								2122
645386	HF3B5120CA1L	19.7/14.8	67.2 / 50.5	240/208	3	47.8 / 41.1		57°F	32'	1100	12'	18'	65	2801
645409	P3P5120CA1N	20.0	68.3	480	3	24.1								
645881	F3F5125CA1L	25.0	85.3	208	3	69.5		40/44°F	45'	2000/1800	12'	22'	120	3301
645942	HF3B5125CA1L	25.0/18.7	85.3 / 64.0	240/208	3	60.2 / 52.1								
645980	P3P5125CA1N	25.0	85.3	480	3	30.1								
645423	F3F5130CA1L	30.0	102.4	208	3	83.4		47/53°F	40'	2000/1800	12'	20'	120	3821
645447	HF3B5130CA1L	30.0/22.5	102.4 / 76.8	240/208	3	72.3 / 62.5								
645461	P3P5130CA1N	30.0	102.4	480	3	36.2								
644044	F3F5140CA1L	40.0	136.5	208	3	111.2		40/45°F	55'	3100/2800	15'	24'	120	4885
644068	HF3B5140CA1L	40.0/30.0	136.5/102.4	240/208	3	96.4 / 83.4								
644082	P3P5140CA1N	39.0	133.1	480	3	47.0								
645485	F3F5150CA1L	49.6	169.3	208	3	139.0		51/56°F	50'	3100/2800	15'	22'	120	6098
645508	HF3B5150CA1L	50.0/37.5	170.6/128.0	240/208	3	120.5/104.3								
645522	P3P5150CA1N	50.0	170.6	480	3	60.3								

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International Models

UPC# 686334	MODEL	KW	BTU/H	VOLTS	PH	AMPS	CONTROL VOLTAGE	TEMP RISE	AIR THROW	CFM	RECOMMENDED MOUNTING HT. Horizontal	RECOMMENDED MOUNTING HT. Vertical	WT. (LBS)	LIST
715300	Q3H5103CA1	3.3	11263	380	3	5.02	24	26	12'	400	9'	9'	25	714
724920	R3H5103CA1			415		4.6								910
724937	Q3H5105CA1	5.0	17065	380		7.6		40					27	746
424944	R3H5105CA1			415		6.96								987
717137	Q3H5107CA1	7.5	25600	380		11.4		34	22'	700	10'	12'	54	1150
724951	R3H5107CA1			415		10.5								1241
686570	Q3H5110CA1	10.0	34130	380		15.2		45			10'	14'	55	1267
724968	R3H5110CA1			415		13.9								1314
724975	Q3H5115CA1	15.0	51195	380		22.8		43	32'	1100	11'	20'	64	2040
724982	R3H5115CA1			415		20.9								2128
704175	Q3H5120CA1	20.0	68260	380		30.4		57			12'	18'	65	2801
724999	R3H5120CA1			415		27.85								
719193	Q3H5125CA1	25.0	85325	380		38.0		40/44	45'	2000/1800	12'	22'	120	3301
710619	R3H5125CA1			415		34.8								
725002	Q3H5130CA1	30.0	102390	380		45.6		47/53	40'		12'	20'		3821
710626	R3H5130CA1			415		41.8								
725019	Q3H5140CA1	40.0	136520	380		60.85		40/45	55'	3100/2800	15'	24'		4885
709835	R3H5140CA1			415		55.7								

- For 24V control add "CA1" suffix and $101 list. • For 120V control add "CA2" suffix and $101 list.
- For other voltages consult factory.

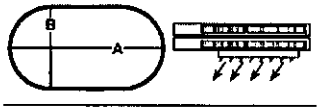
NOTES:

- 25-50KW models are wired for single or two stage heating and have two speed motors.
- Air delivery and motor data on dual voltage units reflect higher voltage.
- 600 Volt models available in 5 KW through 30 KW. Contact factory for delivery.
- Supply wire on 40 and 50 KW models should have rated insulation of 75°C minimum.
- Use T5122 for two stage control.
- Use TW123 for two stage control.
- Use TFS5102 for two stage control.
- Wall thermostat must be used when built-in stratification thermostat is required.

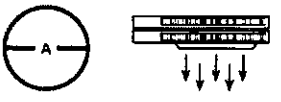
5100 Series Horizontal or Vertical Mounted Fan Forced Unit Heater

Diffuser Options

	DESCRIPTION	UPC# 686334	MODEL NUMBER	KW USED	MAX MOUNTING HEIGHT (ft.)	DIMENSION A (feet)	DIMENSION B (feet)	WT. (LBS)	LIST
1	Louver Diffuser (Standard). Louvers can be individually adjusted for rectangular coverage over doorways as an air curtain, or to meet rectangular floor pattern heating requirements.	NA	Standard	3.3-5 7.5-10 25-30 40-50	9 12 18 22 24	20 40 52 75 84	10 22 30 42 47	NA	NA
2	General Distribution (No Diffuser). The 5100 air chute venturi permits general down flow air pattern distribution as required at a higher mounting height.	NA	Not Required	3.3-5 7.5-10 25-30 40-50	9 12 18 22 24	15 30 40 55 64	NA	NA	NA
3	Anemostat Diffuser (Optional). For applications where draft restriction is required at lower unit mounting heights.	692687 681186 681186 722070	AD5120 AD5150 AD5150 AD5175	7.5-10 25-30 40-50 60-70	15 17 20 31	38 50 60 -	NA	10 12 37	391 583 628
4	Radial Diffuser (Optional). Individually adjustable fins permit increased floor coverage at 45° open. Additional throw is accomplished when fins are 90° vertical. (Please allow for higher mounting heights.)	692663 692663 692670 692670 722087	RD5120 RD5120 RD5150 RD5150 RD5175	7.5-20 25-50 60-70	45° / 90° 10 / 14 14 / 21 20 / 30 18 / 28 26 / 36	45° / 90° 36 / 30 42 / 35 62 / 44 68 / 54 72 / 60	NA	12 14 39	433 506 545



Description 1
Louver Diffuser



Description 2
No Diffuser

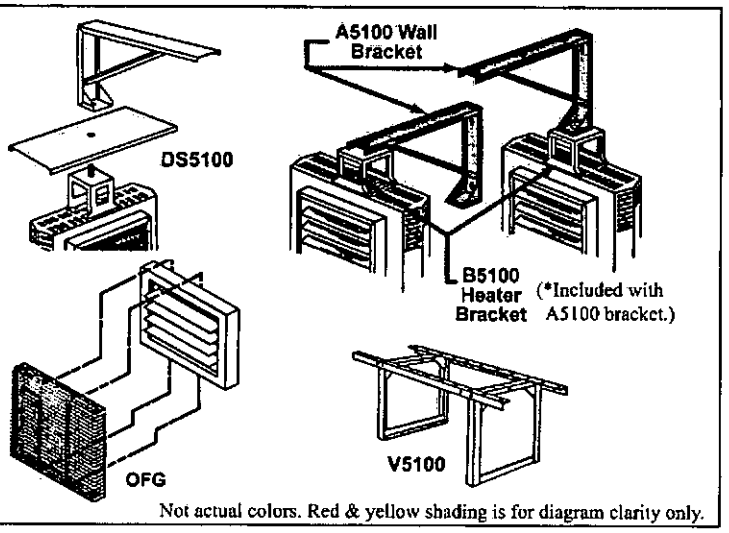


Description 3
Anemostat Diffuser



Description 4
Radial Diffuser

Mounting Brackets & Model Designator



Not actual colors. Red & yellow shading is for diagram clarity only.

MOUNTING BRACKETS				
UPC# 686334	MODEL	MODEL SIZE	WT. (LBS)	LIST
692694	A5105	3.3 KW TO 5.0 KW	9	101
692700	A5120	7.5 KW TO 20.0 KW	13	123
692717	A5150	25.0 KW TO 50.0 KW	16	138
688628	B5105*	3.3 KW TO 20.0 KW	3	55
688635	B5150*	25.0 KW TO 50.0 KW	8	81
692847	V5105	3.3 KW TO 5.0 KW	9	193
692854	V5120	7.5 KW TO 20.0 KW	13	236
692861	V5150	25.0 KW TO 50.0 KW	16	248
DUST SHIELD				
692878	DS5105	3.3 KW TO 5.0 KW	3	35
692885	DS5120	7.5 KW TO 20.0 KW	4	40
681223	DS5150	25.0 KW TO 50.0 KW	5	42
FAN GUARD				
706544	OFG5101	3.3 KW TO 5.0 KW	3	56
706551	OFG5102	7.5 KW TO 20.0 KW	4	61
706568	OFG5103	25.0 KW TO 50.0 KW	5	70

HOW TO DESIGNATE A MODEL:

HF 2 B 51 10 C A 1

Element Volts	Phase	Motor Voltage	Model Series	Element KW	Control System	Transformer	Control Volts
F = 208 H = 240 HF = 240/208 G = 277 P = 480	1 = 1-Phase 2 = 1 or 3-Ph. 3 = 3-Phase	F = 208 H = 240 B = 240 / 208 G = 277 P = 480	51		Blank = None C = Contactor	Blank = None A = Included	1 = 24 2 = 120 (with CA option)

5100 Series Horizontal or Vertical Mounted Fan Forced Unit Heater

Standard Taskmaster Models & Series Notes

UPC# 686334	MODEL	KW	BTU / H	VOLTS	PH	AMPS	CONTROL VOLTAGE	TEMP RISE	AIR THROW	CFM	RECOMMENDED MOUNTING HT. Horizontal	RECOMMENDED MOUNTING HT. Vertical	WT. (LBS)	LIST
645089	F1F5103N	3.3	11.2	208	1	15.9 / 9.17	208	26°F	12'	400	9'	9'	25	714
645102	HF1B5103N	3.3/2.5	11.2 / 8.5	240/208	1	13.7 / 11.9	240 / 208							
645683	F2F5103N	3.3	11.2	208	1 / 3	15.9 / 9.17	208							
645706	HF2B5103N	3.3/2.5	11.2 / 8.5	240/208	1 / 3	13.7 / 11.9	240 / 208							
					3	7.9 / 6.9								
645720	G1G5103N	3.3	11.2	277	1	11.9	277							
645126	P3P5103CA1N			480	3	4.0	24							910
645546	F1F5105N	5.0	17.1	208	1	24.1	208	40°F	12'	400	9'	9'	25	746
645560	HF1B5105N	5.0/3.7	17.1 / 12.8	240/208	1	20.9 / 18.1	240 / 208							
645140	F2F5105N	5.0	17.1	208	1 / 3	24.1	208							
					3	13.9								
645164	HF2B5105N	5.0	17.1	240	1 / 3	20.8 / 18.1	240						27	
		3.7	12.8	208	1 / 3	12.1 / 10.4	208							
645843	G1G5105N	5.0	17.1	277	1	18.1	277							
645188	P3P5105CA1N	5.0	17.1	480	3	6.1	24							987
645201	F2F5107CA1L	7.5	25.6	208	1 / 3	36.1 / 20.8	24	34°F	22'	700	10'	12'	54	1150
645225	HF2B5107CA1L	7.5	25.6	240	1 / 3	27.1 / 31.3								
		5.6	19.2	208	1 / 3	31.3 / 27.1								
645928	G1G5107CA1L	7.5	25.6	277	1	27.1								
645249	P3P5107CA1N	7.5	25.6	480	3	9.1								1241
645263	F2F5110CA1L	9.9	33.8	208	1 / 3	47.8 / 27.4		45°F	22'	700	10'	14'	55	1267
645287	HF2B5110CA1L	10.0	34.1	240	1 / 3	41.2 / 24.0								
		7.5	25.6	208	1 / 3	36.1 / 20.8								
645645	G1G5110CA1N	10.0	34.1	277	1	36.1								
645300	P3P5110CA1N	10.0	34.1	480	3	12.1								1314
645324	F3F5115CA1L	15.0	51.2	208	3	41.7		43°F	32'	1100	11'	20'	64	2040
645348	HF3B5115CA1L	15.0/11.2	51.2 / 38.4	240/208	3	36.1 / 31.3								
645362	P3P5115CA1N	15.0	51.2	480	3	18.1								2122
645386	HF3B5120CA1L	19.7/14.8	67.2 / 50.5	240/208	3	47.8 / 41.1		57°F	32'	1100	12'	18'	65	2801
645409	P3P5120CA1N	20.0	68.3	480	3	24.1								
645881	F3F5125CA1L	25.0	85.3	208	3	69.5		40/44°F	45'	2000/1800	12'	22'	120	3301
645942	HF3B5125CA1L	25.0/18.7	85.3 / 64.0	240/208	3	60.2 / 52.1								
645980	P3P5125CA1N	25.0	85.3	480	3	30.1								
645423	F3F5130CA1L	30.0	102.4	208	3	83.4		47/53°F	40'	2000/1800	12'	20'	120	3821
645447	HF3B5130CA1L	30.0/22.5	102.4 / 76.8	240/208	3	72.3 / 62.5								
645461	P3P5130CA1N	30.0	102.4	480	3	36.2								
644044	F3F5140CA1L	40.0	136.5	208	3	111.2		40/45°F	55'	3100/2800	15'	24'	120	4885
644068	HF3B5140CA1L	40.0/30.0	136.5/102.4	240/208	3	96.4 / 83.4								
644082	P3P5140CA1N	39.0	133.1	480	3	47.0								
645485	F3F5150CA1L	49.6	169.3	208	3	139.0		51/56°F	50'	3100/2800	15'	22'	120	6098
645508	HF3B5150CA1L	50.0/37.5	170.6/128.0	240/208	3	120.5/104.3								
645522	P3P5150CA1N	50.0	170.6	480	3	60.3								

International Models

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724937	Q3H5105CA1	5.0	17065	380		7.6		40					27	746
424944	R3H5105CA1			415		6.96								987
717137	Q3H5107CA1	7.5	25600	380		11.4		34	22'	700	10'	12'	54	1150
724951	R3H5107CA1			415		10.5								1241
686570	Q3H5110CA1	10.0	34130	380		15.2		45			10'	14'	55	1267
724968	R3H5110CA1			415		13.9								1314
724975	Q3H5115CA1	15.0	51195	380		22.8		43	32'	1100	11'	20'	64	2040
724982	R3H5115CA1			415		20.9								2128
704175	Q3H5120CA1	20.0	68260	380		30.4		57			12'	18'	65	2801
724999	R3H5120CA1			415		27.85								
719193	Q3H5125CA1	25.0	85325	380		38.0		40/44	45'	2000/1800	12'	22'	120	3301
710619	R3H5125CA1			415		34.8								
725002	Q3H5130CA1	30.0	102390	380		45.6		47/53	40'		12'	20'		3821
710626	R3H5130CA1			415		41.8								
725019	Q3H5140CA1	40.0	136520	380		60.85		40/45	55'	3100/2800	15'	24'		4885
709835	R3H5140CA1			415		55.7								

- For 24V control add "CA1" suffix and $101 list. • For 120V control add "CA2" suffix and $101 list.
- For other voltages consult factory.

NOTES:

- 25-50KW models are wired for single or two stage heating and have two speed motors.
- Air delivery and motor data on dual voltage units reflect higher voltage.
- 600 Volt models available in 5 KW through 30 KW. Contact factory for delivery.
- Supply wire on 40 and 50 KW models should have rated insulation of 75°C minimum.
- Use T5122 for two stage control.
- Use TW123 for two stage control.
- Use TFS5102 for two stage control.
- Wall thermostat must be used when built-in stratification thermostat is required.

Recommended Control Options, Control Accessory Options, & Control Accessories

MODEL	DISCONNECT SWITCH		THERMOSTAT		SUMMER FAN SWITCH		THERMOSTAT & SUMMER FAN SWITCH WALL MOUNTED	STRATIFICATION THERMOSTAT	
	1 Ø	3 Ø	IN-BUILT	WALL MOUNTED	IN-BUILT	WALL MOUNTED		IN-BUILT	WALL MOUNTED
F1F5103N	DCS 202	NA	T5100	ET5SS	FS5101	FSW5111	NA	TC5103	TC1602
HF1B5103N									
F2F5103N	NA	DCS 403	T5102	TW 1512					
HF2B5103N	DCS 202	NA	T5100	ET 5SS					
	NA	DCS 403	T5102	TW 1512					
G1G5103N	DCS 202	NA	T5100	ET5SS				NA	
P3P5103CA1N	NA	DCS 403		A6176	FS5102	FSW5112	TFS5101	TC5102	NA
F1F5105N	DCS 403	NA		S2025	FS5101	FSW5111	NA	TC5103	TC1602
HF1B5105N				ET5SS					
F2F5105N				S2025					
	NA	DCS 403	T5102	TW 1512					
HF2B5105N	DCS 403	NA	T5100	ET5SS					
	NA	DCS 403	T5102	TW 1512					
G1G5105N	DCS 202	NA	T5100	S2025				NA	
P3P5105CA1N	NA	DCS 403		A6176	FS5102	FSW5112	TFS5101	TC5102	NA
F2F5107CA1L	DCS 403	NA			FS5101	FSW5111		TC5103	TC1602
	NA	DCS 403							
HF2B5107CA1L	DCS 403	NA							
	NA	DCS 403							
G1G5107CA1L	DCS 403	NA						NA	
P3P5107CA1L	NA	DCS 403			FS5102	FSW5112		TC5102	NA
F2F5110CA1L	DCS 603	NA			FS5101	FSW5111		TC5103	TC1602
	NA	DCS 403							
HF2B5110CA1L	DCS 603	NA							
	NA	DCS 403							
G1G5110CA1N	DCS 403	NA						NA	
P3P5110CA1N	NA	DCS 403			FS5102	FSW5112		TC5103	NA
F3F5115CA1L		DCS 603			FS5101	FSW5111			TC1602
HF3B5115CA1L		DCS 403							
P3P5115CA1L		DCS 403			FS5102	FSW5112			NA
HF3B5120CA1L		DCS 603			FS5101	FSW5111			TC1602
P3P5120CA1N		DCS 403			FS5102	FSW5112			NA
F3F5125CA1L		DCS 1003	T5100	A6176 OR TW123	FS5101	FSW5111	TFS5101		TC1602
HF3B5125CA1L									
P3P5125CA1N		DCS 403			FS5102	FSW5112			NA
F3F5130CA1L		DCS 1003			FS5101	FSW5111			TC1602
HF3B5130CA1L		DCS 1003							
P3P5130CA1N		DCS 403			FS5102	FSW5112			NA
F3F5140CA1L		NA			FS5101	FSW5111			TC1602
HF3B5140CA1L		DCS 403							
P3P5140CA1N		DCS 603			FS5102	FSW5112			NA
F3F5150CA1L		NA			FS5101	FSW5111			TC1602
HF3B5150CA1L									
P3P5150CA1N		DCS 1003			FS5102	FSW5112			NA

CONTROL ACCESSORY OPTIONS - FIELD INSTALLED IN HEATER

UPC# 686334	MODEL	DESCRIPTION	LIST
		POWER DISCONNECT SWITCH	
717151	DCS202 / 5100	2 POLE; 20 AMP; 120-277 V.A.C.	141
717168	DCS403 / 5100	3 POLE; 40 AMP; 120-600 V.A.C.	319
717175	DCS603 / 5100	3 POLE; 60 AMP; 120-600 V.A.C.	465
717182	DCS1003 /5100	3 POLE; 100 AMP; 120-600 V.A.C.	522
		LINE VOLTAGE THERMOSTAT (45 - 90 °F)	
692779	T5100	SPST; LINE DUTY 25 AMP 120-277V	128
692786	T5102	DPST; LINE DUTY 25 AMP 120-277V	173
		LOW VOLTAGE THERMOSTAT (ALL CA1 MODELS) (45 - 90 °F)	
692779	T5100	SPST; LOW VOLT/PILOT DUTY; 125VA; (3.3-20 KW UNITS)	128
692793	T5122	2-STAGE; LOW VOLT; 125VA; (25-50 KW UNITS)	189
		STRATIFICATION THERMOSTAT	
692809	TC5102	SPST; LOW VOLT/PILOT DUTY (W/RELAY) ; 70-130°	194
692816	TC5103	SPST; LINE DUTY; AMP 120-240V; 70-130°	130
		SUMMER FAN SWITCH	
692823	FS5101	SPST; LINE VOLT :120-277V	73
692830	FS5102	SPST; LINE VOLT ; 480-600V	105

CONTROL ACCESSORIES - REMOTE WALL MOUNTED

UPC# 686334	MODEL	DESCRIPTION	LIST
		LINE VOLTAGE THERMOSTAT	
502917	S2025H10AA	SP; 25 Amp; 120-277Vl; 50-90°F	53
538787	ET5SS	SP; 22 Amp; 120-277V; 50-90°F	29
691093	*TW1512	DPST; 25 AMP; 120-277V; 50-90°F	202
		LOW VOLTAGE THERMOSTAT (ALL CA1 MODELS)	
260008	A6176	SPST; (3.3 - 20 KW UNITS); 50-90°F	108
691116	TW123	2-STAGE; (25 - 50 KW UNITS); 40-90°F	206
		STRATIFCATION THERMOSTAT	
691109	TC1602	SPST; LINE VOLT; 120-277V; 70-140°	203
		SUMMER FAN SWITCH	
692625	FSW5111	SPST; LINE VOLT; 120-277V	91
692632	FSW5112	SPST; LOW VOLT; (W/RELAY)	196
		LOW VOLTAGE T'STAT & SUMMER FAN SWITCH(W/RELAY) (CA1 MODELS)	
692649	TFS5101	SPST; LOW VOLT; 50-90°	206
692656	TFS5102	2-STAGE; LOW VOLT; 50-90°	414

**Any SPST thermostat of sufficient amperage may be substituted.
*Use DPST thermostat for 3-phase line voltage control in non "C" models.