

GLYCOL



Glycol Unit Coolers

Kramer glycol unit coolers are the environmentally friendly solution to your refrigeration requirements. Offered in a variety of styles, these units are specifically designed for use with glycol mixtures and are ideally suited for storage coolers and freezers for restaurants, convenience stores, warehouses and supermarkets.



Features:

- Corrosion resistant embossed Aluminum cabinet
- Coils constructed of Copper tubes and Aluminum fins
- Vent and drain fittings standard
- Factory wired to terminal boards for quick field installation
- Designed for easy installation of balance valves
- NSF approved
- UL and cUL listed
- Available with PSC or EC motors

Unit Capacity

Glycol unit cooler performance is determined by the interaction of five distinct variables: entering air temperature, fluid temperature, GPM flow rate, glycol type and mixture percentage.

Contact Kramer Application Engineering to obtain optimal unit selections and precise capacity data based upon the specific requirements of your project.



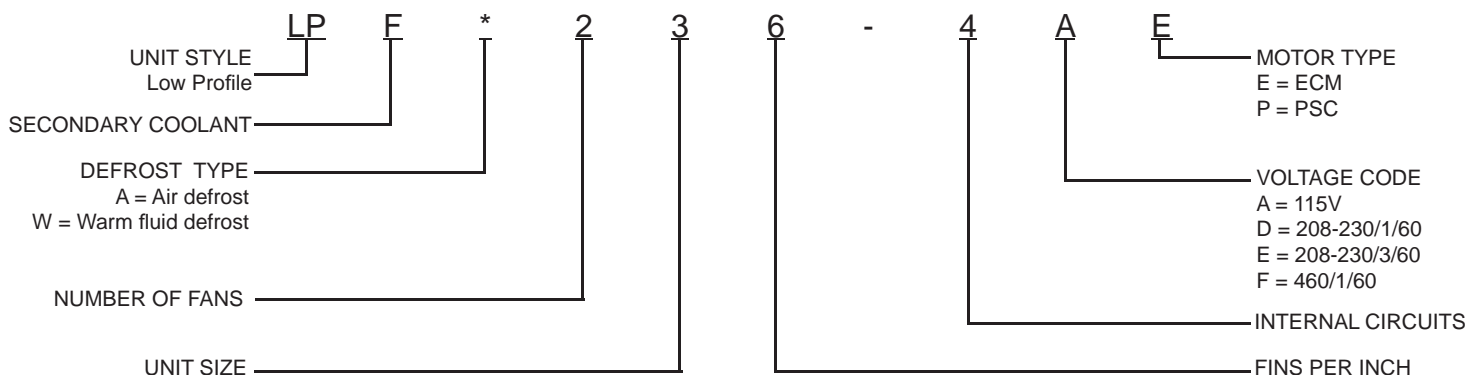
Electrical Data

Model Number	EC Motors				PSC Motors				Warm Fluid Def. Heater Amps ¹			Watts
	115V		230V		115V		230V		208/230V		460V	
	Amps	Watts	Amps	Watts	Amps	Watts	Amps	Watts	1 PH	3 PH	1 PH	
LPF*118	0.9	47	0.45	47	1.0	85	0.5	85	2.2	-	1.1	500
LPF*128	0.9	47	0.45	47	1.0	85	0.5	85	2.2	-	1.1	500
LPF*138	0.9	47	0.45	47	1.0	85	0.5	85	2.2	-	1.1	500
LPF*218	1.8	94	0.90	94	2.0	170	1.0	170	3.5	-	1.8	800
LPF*228	1.8	94	0.90	94	2.0	170	1.0	170	3.5	-	1.8	800
LPF*238	1.8	94	0.90	94	2.0	170	1.0	170	4.4	-	2.2	1,000
LPF*248	1.8	94	0.90	94	2.0	170	1.0	170	3.5	-	1.8	800
LPF*258	1.8	94	0.90	94	2.0	170	1.0	170	4.4	-	2.2	1,000
LPF*318	2.7	141	1.35	141	3.0	255	1.5	255	6.5	-	3.2	1,500
LPF*328	2.7	141	1.35	141	3.0	255	1.5	255	6.5	-	3.2	1,500
LPF*418	3.6	188	1.80	188	4.0	340	2.0	340	8.7	-	4.4	2,000
LPF*428	3.6	188	1.80	188	4.0	340	2.0	340	8.7	-	4.4	2,000
LPF*518	4.5	235	2.25	235	5.0	425	2.5	425	10.9	-	5.5	2,500
LPF*618	5.4	282	2.70	282	6.0	510	3.0	510	13.0	-	12.5	3,000
LPF*628	5.4	282	2.70	282	6.0	510	3.0	510	13.0	-	12.5	3,000
LPF*116	0.9	47	0.45	47	1.0	85	0.5	85	2.2	-	1.1	500
LPF*126	0.9	47	0.45	47	1.0	85	0.5	85	2.2	-	1.1	500
LPF*136	0.9	47	0.45	47	1.0	85	0.5	85	2.2	-	1.1	500
LPF*216	1.8	94	0.90	94	2.0	170	1.0	170	3.5	-	1.8	800
LPF*226	1.8	94	0.90	94	2.0	170	1.0	170	3.5	-	1.8	800
LPF*236	1.8	94	0.90	94	2.0	170	1.0	170	4.4	-	2.2	1,000
LPF*246	1.8	94	0.90	94	2.0	170	1.0	170	3.5	-	1.8	800
LPF*256	1.8	94	0.90	94	2.0	170	1.0	170	4.4	-	2.2	1,000
LPF*316	2.7	141	1.35	141	3.0	255	1.5	255	6.5	-	3.2	1,500
LPF*326	2.7	141	1.35	141	3.0	255	1.5	255	6.5	-	3.2	1,500
LPF*416	3.6	188	1.80	188	4.0	340	2.0	340	8.7	-	4.4	2,000
LPF*426	3.6	188	1.80	188	4.0	340	2.0	340	8.7	-	4.4	2,000
LPF*516	4.5	235	2.25	235	5.0	425	2.5	425	10.9	-	5.5	2,500
LPF*616	5.4	282	2.70	282	6.0	510	3.0	510	13.0	-	12.5	3,000
LPF*626	5.4	282	2.70	282	6.0	510	3.0	510	13.0	-	12.5	3,000
LPF*114	0.9	47	0.45	47	1.0	85	0.5	85	2.2	-	1.1	500
LPF*124	0.9	47	0.45	47	1.0	85	0.5	85	2.2	-	1.1	500
LPF*134	0.9	47	0.45	47	1.0	85	0.5	85	2.2	-	1.1	500
LPF*214	1.8	94	0.90	94	2.0	170	1.0	170	3.5	-	1.8	800
LPF*224	1.8	94	0.90	94	2.0	170	1.0	170	3.5	-	1.8	800
LPF*234	1.8	94	0.90	94	2.0	170	1.0	170	4.4	-	2.2	1,000
LPF*244	1.8	94	0.90	94	2.0	170	1.0	170	3.5	-	1.8	800
LPF*254	1.8	94	0.90	94	2.0	170	1.0	170	4.4	-	2.2	1,000
LPF*314	2.7	141	1.35	141	3.0	255	1.5	255	6.5	-	3.2	1,500
LPF*324	2.7	141	1.35	141	3.0	255	1.5	255	6.5	-	3.2	1,500
LPF*414	3.6	188	1.80	188	4.0	340	2.0	340	8.7	-	4.4	2,000
LPF*424	3.6	188	1.80	188	4.0	340	2.0	340	8.7	-	4.4	2,000
LPF*514	4.5	235	2.25	235	5.0	425	2.5	425	10.9	-	5.5	2,500
LPF*614	5.4	282	2.70	282	6.0	510	3.0	510	13.0	-	12.5	3,000
LPF*624	5.4	282	2.70	282	6.0	510	3.0	510	13.0	-	12.5	3,000

* = A for air defrost, W for warm fluid defrost.

1. Warm fluid defrost models have electric drain pan heaters.

Nomenclature:



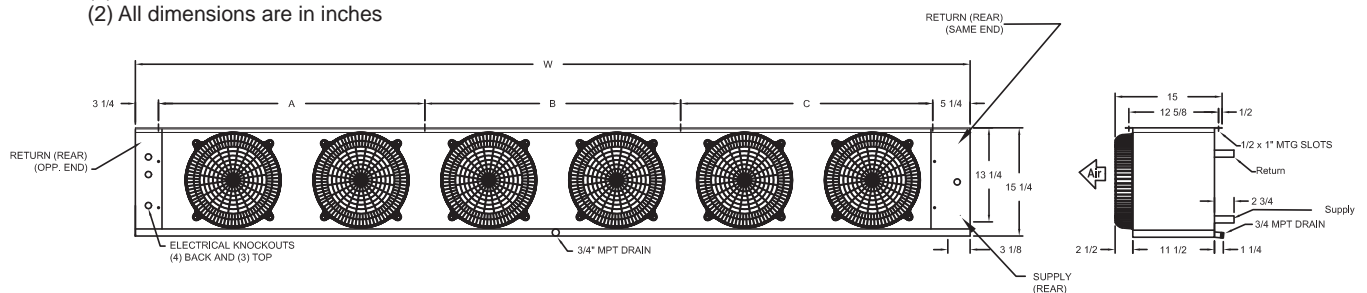
Physical Data

Models	Fan Data		No. of Hangers	Dimensions (Inches)				Ship Wt. (lbs.)
	Qty	CFM		A	B	C	W	
LPF*118	1	800	2	19	—	—	27½	33
LPF*128	1	770	2	19	—	—	27½	34
LPF*138	1	740	2	19	—	—	27½	36
LPF*218	2	1,460	2	33	—	—	41½	48
LPF*228	2	1,420	2	33	—	—	41½	51
LPF*238	2	1,540	2	37	—	—	45½	58
LPF*248	2	1,380	2	33	—	—	41½	60
LPF*258	2	1,480	2	37	—	—	45½	63
LPF*318	3	2,310	2	55	—	—	63½	79
LPF*328	3	2,220	2	55	—	—	63½	84
LPF*418	4	3,080	3	36½	36½	—	81½	254
LPF*428	4	2,960	3	36½	36½	—	81½	262
LPF*518	5	3,850	3	54½	36½	—	99½	312
LPF*618	6	4,620	4	36½	36	36½	117½	354
LPF*628	6	4,440	4	36½	36	36½	117½	370
LPF*116	1	830	2	19	—	—	27½	41
LPF*126	1	800	2	19	—	—	27½	44
LPF*136	1	780	2	19	—	—	27½	47
LPF*216	2	1,540	2	33	—	—	41½	54
LPF*226	2	1,500	2	33	—	—	41½	55
LPF*236	2	1,600	2	37	—	—	45½	62
LPF*246	2	1,460	2	33	—	—	41½	59
LPF*256	2	1,560	2	37	—	—	45½	67
LPF*316	3	2,400	2	55	—	—	63½	78
LPF*326	3	2,340	2	55	—	—	63½	85
LPF*416	4	3,200	3	36½	36½	—	81½	255
LPF*426	4	3,120	3	36½	36½	—	81½	265
LPF*516	5	4,000	3	54½	36½	—	99½	306
LPF*616	6	4,800	4	36½	36	36½	117½	353
LPF*626	6	4,680	4	36½	36	36½	117½	368
LPF*114	1	870	2	19	—	—	27½	42
LPF*124	1	840	2	19	—	—	27½	46
LPF*134	1	830	2	19	—	—	27½	49
LPF*214	2	1,630	2	33	—	—	41½	51
LPF*224	2	1,590	2	33	—	—	41½	52
LPF*234	2	1,670	2	37	—	—	45½	59
LPF*244	2	1,550	2	33	—	—	41½	56
LPF*254	2	1,650	2	37	—	—	45½	64
LPF*314	3	2,500	2	55	—	—	63½	76
LPF*324	3	2,470	2	55	—	—	63½	83
LPF*414	4	3,330	3	36½	36½	—	81½	252
LPF*424	4	3,290	3	36½	36½	—	81½	261
LPF*514	5	4,160	3	54½	36½	—	99½	299
LPF*614	6	4,990	4	36½	36	36½	117½	351
LPF*624	6	4,940	4	36½	36	36½	117½	365

Connections		
GPM Range	ODS SWT	MPT Size
.5 - 2.8	5/8	1/2
2.9 - 6.0	7/8	3/4
6.1 - 10	1 1/8	1
10.1 - 15	1 3/8	1 1/4
15.1 - 20	1 5/8	1 1/2
20.1 - 36	2 1/8	2
36.1 - 75	2 5/8	2 1/2
> 75.1	3 1/8	3

Installation Notes:

- (1) Install a minimum of 12" from the back wall
- (2) All dimensions are in inches



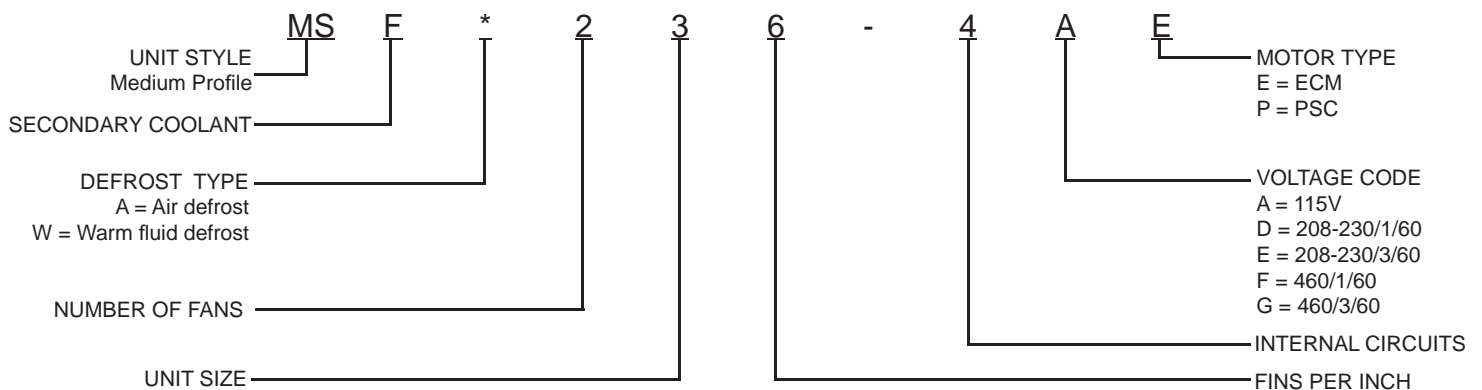
Electrical Data

Model Number	EC Motors			PSC Motors				Warm Fluid Defrost Heater Amps ¹		
	115V Amps	230V/1 Amps	EC Watts	115V Amps	230V/1 Amps	460v/1 Amps	PSC Watts	208/230V 1 PH	460V 1 PH	Watts(460/230)
MSF*218	2.4	1.8	140	4.0	1.8	1.0	282	7.4	3.4	1555/1693
MSF*228	2.4	1.8	140	4.0	1.8	1.0	282	7.4	3.4	1555/1693
MSF*318	3.6	2.7	210	6.0	2.7	1.5	423	10.7	4.9	2258/2458
MSF*328	3.6	2.7	210	6.0	2.7	1.5	423	10.7	4.9	2258/2458
MSF*238	6.0	6.4	450	14.2	6.4	2.6	714	10.7	4.9	2258/2458
MSF*248	6.0	6.4	450	14.2	6.4	2.6	714	10.7	4.9	2258/2458
MSF*338	9.0	9.6	675	21.3	9.6	3.9	1071	10.7	4.9	2258/2458
MSF*348	9.0	9.6	675	21.3	9.6	3.9	1071	10.7	4.9	2258/2458
MSF*216	2.4	1.8	140	4.0	1.8	1.0	282	7.4	3.4	1555/1693
MSF*226	2.4	1.8	140	4.0	1.8	1.0	282	7.4	3.4	1555/1693
MSF*316	3.6	2.7	210	6.0	2.7	1.5	423	10.7	4.9	2258/2458
MSF*326	3.6	2.7	210	6.0	2.7	1.5	423	10.7	4.9	2258/2458
MSF*236	6.0	6.4	450	14.2	6.4	2.6	714	10.7	4.9	2258/2458
MSF*246	6.0	6.4	450	14.2	6.4	2.6	714	10.7	4.9	2258/2458
MSF*336	9.0	9.6	675	21.3	9.6	3.9	1071	10.7	4.9	2258/2458
MSF*346	9.0	9.6	675	21.3	9.6	3.9	1071	10.7	4.9	2258/2458
MSF*214	2.4	1.8	140	4.0	1.8	1.0	282	7.4	3.4	1555/1693
MSF*224	2.4	1.8	140	4.0	1.8	1.0	282	7.4	3.4	1555/1693
MSF*314	3.6	2.7	210	6.0	2.7	1.5	423	10.7	4.9	2258/2458
MSF*324	3.6	2.7	210	6.0	2.7	1.5	423	10.7	4.9	2258/2458
MSF*234	6.0	6.4	450	14.2	6.4	2.6	714	10.7	4.9	2258/2458
MSF*244	6.0	6.4	450	14.2	6.4	2.6	714	10.7	4.9	2258/2458
MSF*334	9.0	9.6	675	21.3	9.6	3.9	1071	10.7	4.9	2258/2458
MSF*344	9.0	9.6	675	21.3	9.6	3.9	1071	10.7	4.9	2258/2458

* = A for air defrost, W for warm fluid defrost.

1. Warm fluid defrost models have electric drain pan heaters.

Nomenclature:



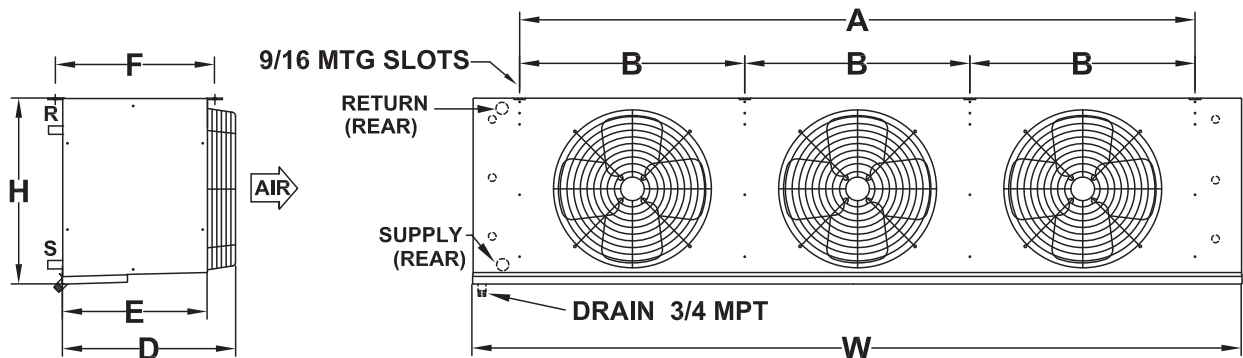
Physical Data

Model Number	Fan Data		No. of Hangers	Dimensions (Inches)							Ship Wt. (lbs.)
	Qty	CFM		H	W	A	B	D	E	F	
MSF*218	2	3,530	2	19	55	42	---	18-3/4	15	17	125
MSF*228	2	3,320	2	19	55	42	---	18-3/4	15	17	145
MSF*318	3	5,300	2	19	76	63	---	18-3/4	15	17	295
MSF*328	3	4,750	2	19	76	63	31-1/2	18-3/4	15	17	330
MSF*238	2	5,250	3	25	76	63	31-1/2	20	16	18	370
MSF*248	2	5,020	3	25	76	63	31	20	16	18	390
MSF*338	3	8,250	2	25	106	93	31	20	16	18	430
MSF*348	3	7,470	2	25	106	93	31	20	16	18	540
MSF*216	2	3,680	2	19	55	42	---	18-3/4	15	17	125
MSF*226	2	3,470	2	19	55	42	---	18-3/4	15	17	140
MSF*316	3	5,510	2	19	76	63	31-1/2	18-3/4	15	17	295
MSF*326	3	4,960	2	19	76	63	31-1/2	20	16	17	320
MSF*236	2	5,460	3	25	76	63	31-1/2	20	16	18	365
MSF*246	2	5,220	3	25	106	93	31	20	16	18	450
MSF*336	3	8,580	2	25	106	93	31	20	16	18	490
MSF*346	3	7,770	2	25	106	93	31	20	16	18	535
MSF*214	2	3,830	2	19	55	42	---	18-3/4	15	17	120
MSF*224	2	3,620	2	19	55	42	---	18-3/4	15	17	135
MSF*314	3	5,750	2	19	76	63	31-1/2	18-3/4	15	17	295
MSF*324	3	5,200	3	19	76	63	31-1/2	20	16	17	285
MSF*234	2	5,710	2	25	76	63	31-1/2	20	16	18	315
MSF*244	2	5,430	3	25	106	93	31	20	16	18	450
MSF*334	3	8,990	2	25	106	93	31	20	16	18	350
MSF*344	3	8,140	2	25	106	93	31	20	16	18	530

Connections		
GPM Range	ODS SWT	MPT Size
.5 - 2.8	5/8	1/2
2.9 - 6.0	7/8	3/4
6.1 - 10	1 1/8	1
10.1 - 15	1 3/8	1 1/4
15.1 - 20	1 5/8	1 1/2
20.1 - 36	2 1/8	2
36.1 - 75	2 5/8	2 1/2
> 75.1	3 1/8	3

Installation Notes:

- (1) Install a minimum of dimension "H" from the back wall
- (2) All dimensions are in inches



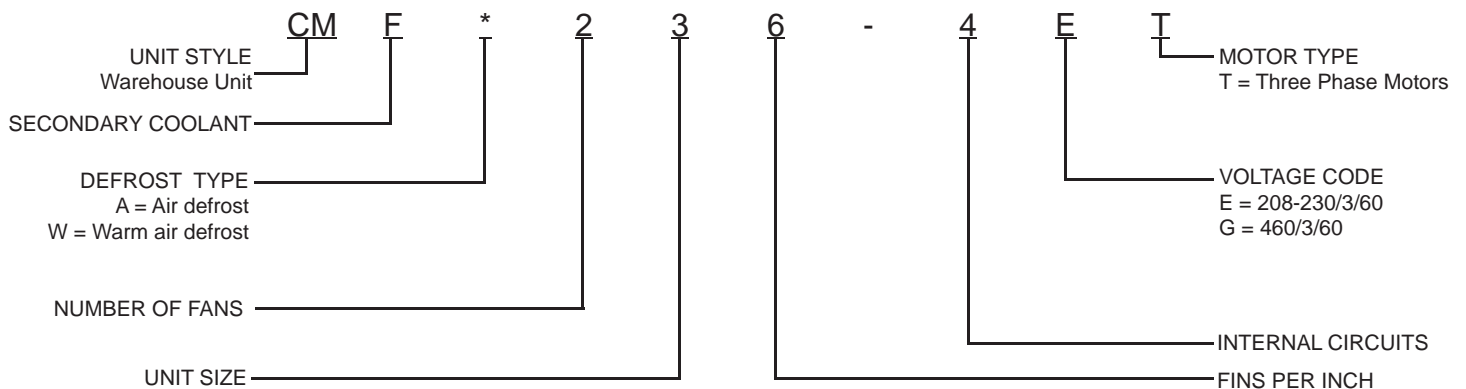
Electrical Data

Model Number	3 Phase Motors			Warm Fluid Def. Heater Amps ¹		
	230/3 Amps	460/3 Amps	Watts	230V 1 PH	460V 1 PH	Watts
CMF*218	3.6	1.8	373	6.4	3.2	725
CMF*228	3.6	1.8	373	6.4	3.2	725
CMF*238	7.0	3.5	559	5.7	2.9	660
CMF*248	7.0	3.5	559	5.7	2.9	660
CMF*258	7.0	3.5	559	5.7	2.9	660
CMF*318	10.5	5.3	559	18.6	9.3	1070
CMF*328	10.5	5.3	559	18.6	9.3	1070
CMF*418	14.0	7.0	559	24.3	12.2	1400
CMF*428	14.0	7.0	559	24.3	12.2	1400
CMF*216	3.6	1.8	373	6.4	3.2	725
CMF*226	3.6	1.8	373	6.4	3.2	725
CMF*236	7.0	3.5	559	5.7	2.9	660
CMF*266	7.0	3.5	559	5.7	2.9	660
CMF*256	7.0	3.5	559	5.7	2.9	660
CMF*316	10.5	5.3	559	18.6	9.3	1070
CMF*326	10.5	5.3	559	18.6	9.3	1070
CMF*416	14.0	7.0	559	24.3	12.2	1400
CMF*426	14.0	7.0	559	24.3	12.2	1400
CMF*214	3.6	1.8	373	6.4	3.2	725
CMF*224	3.6	1.8	373	6.4	3.2	725
CMF*234	7.0	3.5	559	5.7	2.9	660
CMF*244	7.0	3.5	559	5.7	2.9	660
CMF*254	7.0	3.5	559	5.7	2.9	660
CMF*314	10.5	5.3	559	18.6	9.3	1070
CMF*324	10.5	5.3	559	18.6	9.3	1070
CMF*414	14.0	7.0	559	24.3	12.2	1400
CMF*424	14.0	7.0	559	24.3	12.2	1400

* = A for air defrost, W for warm fluid defrost.

1. Warm fluid defrost models have electric drain pan heaters.

Nomenclature:



Warehouse Unit Coolers

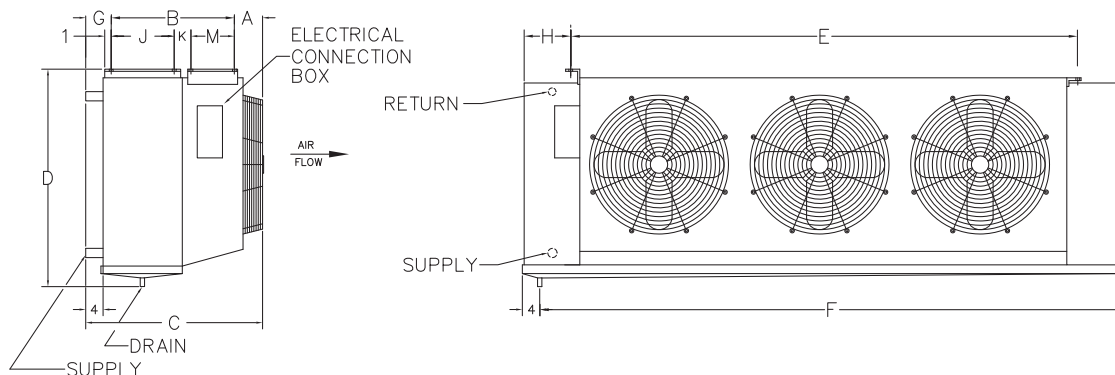
Physical Data

Model Number	Fan Data		Dimensions (Inches)													Ship Wt. (lbs.)
	Qty	CFM	A	B	C	D	E	F	G	H	J	K	M	DRAIN		
CMF*218	2	8,200	3-1/4	26	31-3/4	42-1/2	58	75	2-1/2	7-1/2	N/A	N/A	N/A	3/4	535	
CMF*228	2	8,000	3-1/4	26	31-3/4	42-1/2	58	75	2-1/2	7-1/2	N/A	N/A	N/A	3/4	640	
CMF*238	2	12,400	3-7/8	26	32-3/8	42-1/2	94	111	2-1/2	7-1/2	N/A	N/A	N/A	3/4	950	
CMF*248	2	14,200	3-7/8	26	32-3/8	42-1/2	94	111	2-1/2	7-1/2	N/A	N/A	N/A	3/4	1055	
CMF*258	2	13,800	5-3/4	28	36-1/8	42-1/2	94	111	2-3/8	7-1/2	N/A	N/A	N/A	3/4	1225	
CMF*318	3	19,200	7-1/2	28-1/4	41-3/4	47-3/4	113-3/4	136	6	11-3/8	14-1/2	3-3/4	10	1	1580	
CMF*328	3	18,500	7-1/2	28-1/4	41-3/4	47-3/4	113-3/4	136	6	11-3/8	14-1/2	3-3/4	10	1	1800	
CMF*418	4	23,900	7-1/2	28-1/4	41-3/4	47-3/4	113-3/4	174	6	11-3/8	14-1/2	3-3/4	10	1	2650	
CMF*428	4	23,100	7-1/2	28-1/4	41-3/4	47-3/4	113-3/4	174	6	11-3/8	14-1/2	3-3/4	10	1	2800	
CMF*216	2	8,385	3-1/4	26	31-3/4	42-1/2	58	75	2-1/2	7-1/2	N/A	N/A	N/A	3/4	500	
CMF*226	2	8,190	3-1/4	26	31-3/4	42-1/2	58	75	2-1/2	7-1/2	N/A	N/A	N/A	3/4	600	
CMF*236	2	12,800	3-7/8	26	32-3/8	42-1/2	94	111	2-1/2	7-1/2	N/A	N/A	N/A	3/4	900	
CMF*266	2	14,600	3-7/8	26	32-3/8	42-1/2	94	111	2-1/2	7-1/2	N/A	N/A	N/A	3/4	1000	
CMF*256	2	14,100	5-3/4	28	36-1/8	42-1/2	94	111	2-3/8	7-1/2	N/A	N/A	N/A	3/4	1150	
CMF*316	3	19,700	7-1/2	28-1/4	41-3/4	47-3/4	113-3/4	136	6	11-3/8	14-1/2	3-3/4	10	1	1500	
CMF*326	3	19,000	7-1/2	28-1/4	41-3/4	47-3/4	113-3/4	136	6	11-3/8	14-1/2	3-3/4	10	1	1700	
CMF*416	4	24,600	7-1/2	28-1/4	41-3/4	47-3/4	113-3/4	174	6	11-3/8	14-1/2	3-3/4	10	1	2000	
CMF*426	4	23,700	7-1/2	28-1/4	41-3/4	47-3/4	113-3/4	174	6	11-3/8	14-1/2	3-3/4	10	1	2200	
CMF*214	2	8,600	3-1/4	26	31-3/4	42-1/2	58	75	2-1/2	7-1/2	N/A	N/A	N/A	3/4	500	
CMF*224	2	8,400	3-1/4	26	31-3/4	42-1/2	58	75	2-1/2	7-1/2	N/A	N/A	N/A	3/4	600	
CMF*234	2	13,100	3-7/8	26	32-3/8	42-1/2	94	111	2-1/2	7-1/2	N/A	N/A	N/A	3/4	900	
CMF*244	2	15,000	3-7/8	26	32-3/8	42-1/2	94	111	2-1/2	7-1/2	N/A	N/A	N/A	3/4	1000	
CMF*254	2	14,500	5-3/4	28	36-1/8	42-1/2	94	111	2-3/8	7-1/2	N/A	N/A	N/A	3/4	1150	
CMF*314	3	20,200	7-1/2	28-1/4	41-3/4	47-3/4	113-3/4	136	6	11-3/8	14-1/2	3-3/4	10	1	1500	
CMF*324	3	19,500	7-1/2	28-1/4	41-3/4	47-3/4	113-3/4	136	6	11-3/8	14-1/2	3-3/4	10	1	1700	
CMF*414	4	25,200	7-1/2	28-1/4	41-3/4	47-3/4	113-3/4	174	6	11-3/8	14-1/2	3-3/4	10	1	2000	
CMF*424	4	24,300	7-1/2	28-1/4	41-3/4	47-3/4	113-3/4	174	6	11-3/8	14-1/2	3-3/4	10	1	2200	

Connections		
GPM Range	ODS SWT	MPT Size
.5 - 2.8	5/8	1/2
2.9 - 6.0	7/8	3/4
6.1 - 10	1 1/8	1
10.1 - 15	1 3/8	1 1/4
15.1 - 20	1 5/8	1 1/2
20.1 - 36	2 1/8	2
36.1 - 75	2 5/8	2 1/2
> 75.1	3 1/8	3

Installation Notes:

- (1) Install a minimum of dimension "D" from the back wall
- (2) All dimensions are in inches

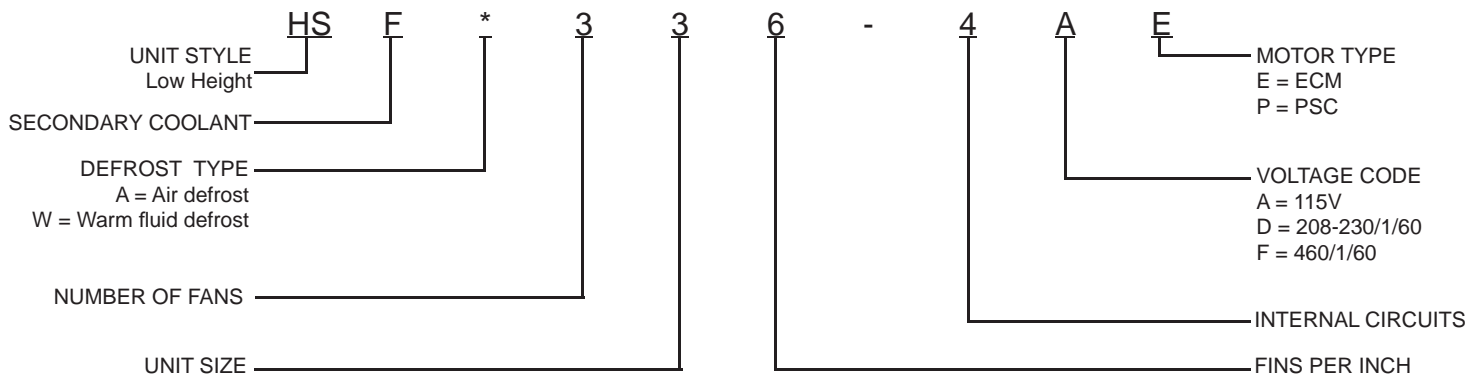


Electrical Data

Model Number	EC Motors				PSC Motors				Warm Fluid Def. Heater Amps ¹		
	115V		230V		115V		230V		208/230V	460V	Watts
	Amps	Watts	Amps	Watts	Amps	Watts	Amps	Watts	1 PH	1 PH	
HSF*318	1.2	105	0.6	105	1.1	153	N/A	N/A	9.0	4.5	2,070
HSF*328	1.2	105	0.6	105	1.1	153	N/A	N/A	9.0	4.5	2,070
HSF*338	1.2	105	0.6	105	1.1	153	N/A	N/A	9.0	4.5	2,070
HSF*418	1.6	140	0.8	140	1.4	204	N/A	N/A	13.0	6.5	2,990
HSF*428	1.6	140	0.8	140	1.4	204	N/A	N/A	13.0	6.5	2,990
HSF*438	1.6	140	0.8	140	1.4	204	N/A	N/A	13.0	6.5	2,990
HSF*518	2.0	175	1.0	175	1.8	255	N/A	N/A	17.0	8.5	3,910
HSF*448	1.6	140	0.8	140	1.4	204	N/A	N/A	17.0	8.5	3,910
HSF*528	2.0	175	1.0	175	1.8	255	N/A	N/A	17.0	8.5	3,910
HSF*618	2.4	210	1.2	210	2.2	306	N/A	N/A	17.0	8.5	3,910
HSF*316	1.2	105	0.6	105	1.1	153	N/A	N/A	9.0	4.5	2,070
HSF*326	1.2	105	0.6	105	1.1	153	N/A	N/A	9.0	4.5	2,070
HSF*336	1.2	105	0.6	105	1.1	153	N/A	N/A	9.0	4.5	2,070
HSF*416	1.6	140	0.8	140	1.4	204	N/A	N/A	13.0	6.5	2,990
HSF*426	1.6	140	0.8	140	1.4	204	N/A	N/A	13.0	6.5	2,990
HSF*436	1.6	140	0.8	140	1.4	204	N/A	N/A	13.0	6.5	2,990
HSF*516	2.0	175	1.0	175	1.8	255	N/A	N/A	17.0	8.5	3,910
HSF*446	1.6	140	0.8	140	1.4	204	N/A	N/A	17.0	8.5	3,910
HSF*526	2.0	175	1.0	175	1.8	255	N/A	N/A	17.0	8.5	3,910
HSF*616	2.4	210	1.2	210	2.2	306	N/A	N/A	17.0	8.5	3,910
HSF*314	1.2	105	0.6	105	1.1	153	N/A	N/A	9.0	4.5	2,070
HSF*324	1.2	105	0.6	105	1.1	153	N/A	N/A	9.0	4.5	2,070
HSF*334	1.2	105	0.6	105	1.1	153	N/A	N/A	9.0	4.5	2,070
HSF*414	1.6	140	0.8	140	1.4	204	N/A	N/A	13.0	6.5	2,990
HSF*424	1.6	140	0.8	140	1.4	204	N/A	N/A	13.0	6.5	2,990
HSF*434	1.6	140	0.8	140	1.4	204	N/A	N/A	13.0	6.5	2,990
HSF*514	2.0	175	1.0	175	1.8	255	N/A	N/A	17.0	8.5	3,910
HSF*444	1.6	140	0.8	140	1.4	204	N/A	N/A	17.0	8.5	3,910
HSF*524	2.0	175	1.0	175	1.8	255	N/A	N/A	17.0	8.5	3,910
HSF*414	2.4	210	1.2	210	2.2	306	N/A	N/A	17.0	8.5	3,910

* = A is for air defrost and W is for warm fluid defrost.
 1. Warm fluid defrost models have electric drain pan heaters.

Nomenclature:



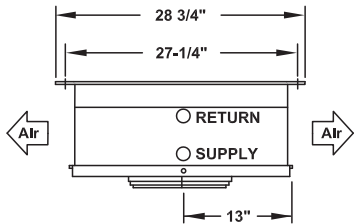
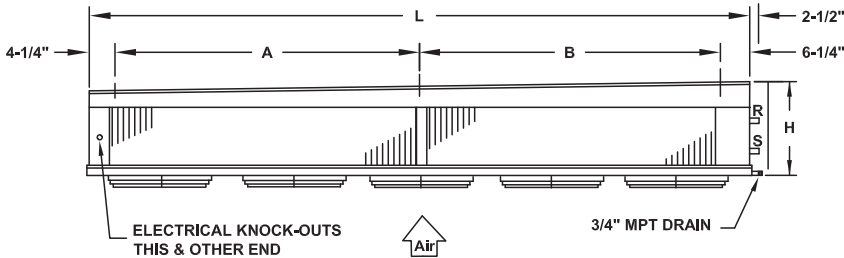
Physical Data

Models	Fan Data		Dimensions (in)				SHIP WT. (LBS)
	Qty	CFM	L	H	A	B	
HSF*318	3	1,460	58-1/2	9	24	24	95
HSF*328	3	1,310	58-1/2	9	24	24	100
HSF*338	3	1,200	58-1/2	9	24	24	105
HSF*418	4	2,120	82-1/2	9-3/4	36	36	125
HSF*428	4	1,920	82-1/2	9-3/4	36	36	130
HSF*438	4	1,760	82-1/2	9-3/4	36	36	135
HSF*518	5	2,320	106-1/2	9-3/4	48	48	150
HSF*448	4	1,820	106-1/2	11-1/4	48	48	155
HSF*528	5	2,650	106-1/2	11-1/4	48	48	165
HSF*618	6	2,970	106-1/2	11-1/4	48	48	185
HSF*316	3	1,530	58-1/2	9	24	24	95
HSF*326	3	1,380	58-1/2	9	24	24	100
HSF*336	3	1,270	58-1/2	9	24	24	105
HSF*416	4	2,210	82-1/2	9-3/4	36	36	125
HSF*426	4	2,020	82-1/2	9-3/4	36	36	130
HSF*436	4	1,860	82-1/2	9-3/4	36	36	135
HSF*516	5	2,440	106-1/2	9-3/4	48	48	150
HSF*446	4	1,870	106-1/2	11-1/4	48	48	155
HSF*526	5	2,760	106-1/2	11-1/4	48	48	165
HSF*616	6	3,100	106-1/2	11-1/4	48	48	185
HSF*314	3	1,600	58-1/2	9	24	24	90
HSF*324	3	1,470	58-1/2	9	24	24	120
HSF*334	3	1,360	58-1/2	9	24	24	95
HSF*414	4	2,310	82-1/2	9-3/4	36	36	100
HSF*424	4	2,130	82-1/2	9-3/4	36	36	125
HSF*434	4	1,980	82-1/2	9-3/4	36	36	130
HSF*514	5	2,580	106-1/2	9-3/4	48	48	145
HSF*444	4	1,930	106-1/2	11-1/4	48	48	160
HSF*524	5	2,870	106-1/2	11-1/4	48	48	150
HSF*414	6	3,270	106-1/2	11-1/4	48	48	180

Connections		
GPM Range	ODS SWT	MPT Size
.5 - 2.8	5/8	1/2
2.9 - 6.0	7/8	3/4
6.1 - 10	1 1/8	1
10.1 - 15	1 3/8	1 1/4
15.1 - 20	1 5/8	1 1/2
20.1 - 36	2 1/8	2
36.1 - 75	2 5/8	2 1/2
> 75.1	3 1/8	3

Installation Notes:

- (1) All mounting holes are 3/8" in diameter
- (2) All dimensions are in inches



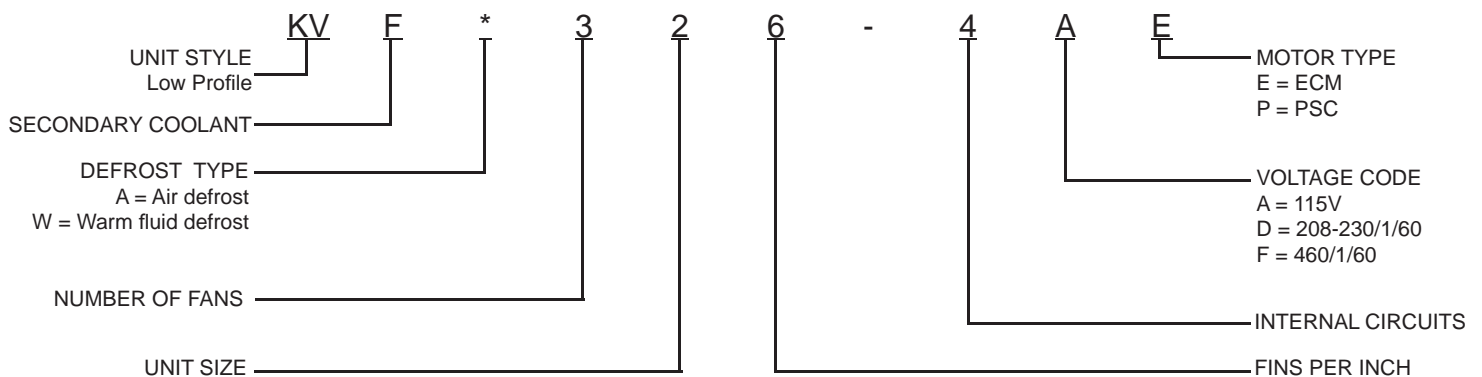
Electrical Data

Model Number	EC Motors			PSC Motors				Warm Fluid Def. Heater Amps ¹			
	115V	230V/1	EC	115V	230V/1	460V/1	PSC	115V		208/230V	
	Amps	Amps	Watts	Amps	Amps	Amps	Watts	1 PH	Watts	1 PH	Watts
KVF*116	0.6	0.3	35	0.4	0.3	0.2	50	2.2	250	2.0	225
KVF*216	1.2	0.6	70	0.8	0.6	0.3	100	2.2	250	2.0	225
KVF*226	1.2	0.6	70	0.8	0.6	0.3	100	2.2	250	2.0	225
KVF*316	1.8	0.9	105	1.2	0.9	0.5	150	5.2	600	4.7	540
KVF*326	1.8	0.9	105	1.2	0.9	0.5	150	5.2	600	4.7	540
KVF*416	2.4	1.2	140	1.6	1.2	0.6	200	5.2	600	4.7	540
KVF*426	2.4	1.2	140	1.6	1.2	0.6	200	5.2	600	4.7	540
KVF*516	3.0	1.5	175	2.0	1.5	0.8	250	8.7	1,000	7.8	900
KVF*616	3.6	1.8	210	2.4	1.8	0.9	300	10.9	1,250	7.8	900

* = A for air defrost and W for warm fluid defrost.

1. Warm fluid defrost models have electric drain pan heaters.

Nomenclature:



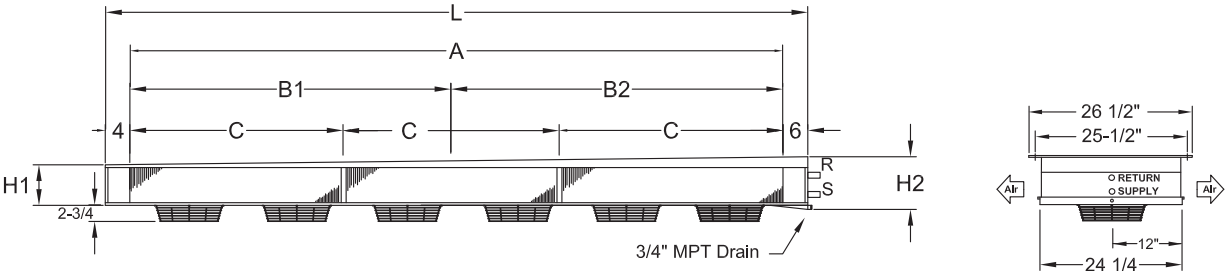
Physical Data

Model	Fan Data		Dimension in Inches						Unit Weight (Lbs)	
	QTY	CFM	H1	H2	Mounting Hole Centers					L
					A	B1	B2	C		
KVF*116	1	580	6 1/2	8	38	---	---	---	48	50
KVF*216	2	800	6 1/2	8 1/4	57	---	---	---	67	75
KVF*226	2	1,110	6 1/2	8 1/4	57	---	---	---	67	75
KVF*316	3	1,720	9	11 1/4	---	38	37	---	85	100
KVF*326	3	1,720	10 1/4	12 1/2	---	38	37	---	85	110
KVF*416	4	2,330	11 1/2	13 3/4	---	38	37	---	85	120
KVF*426	4	2,290	11 1/2	13 3/4	---	38	37	---	85	130
KVF*516	5	2,860	11 1/2	13 3/4	---	43	43	---	96	150
KVF*616	6	3,420	11 1/2	13 3/4	---	---	---	36 5/8	120	180

Connections		
GPM Range	ODS SWT	MPT Size
.5 - 2.8	5/8	1/2
2.9 - 6.0	7/8	3/4
6.1 - 10	1 1/8	1
10.1 - 15	1 3/8	1 1/4
15.1 - 20	1 5/8	1 1/2
20.1 - 36	2 1/8	2
36.1 - 75	2 5/8	2 1/2
> 75.1	3 1/8	3

Installation Notes:

- (1) All mounting holes are 3/8" in diameter
- (2) All dimensions are in inches



Specifications are subject to change without notice.