

## Low Velocity Unit Cooler

4,230 to 40,304 BTUH Capacity

Designed for small rooms, display cases, or custom installations, LRC's Slim Line Reverse Flow ("SLRF") coolers are low profile units that combine low velocity air with a high capacity refrigeration system. "SLRF" models are designed for -30°F to 55°F applications, and range in capacity from 4,230 to 40,304 BTUH's. With over 125 "SLRF" products available and integrated air, electric, or hot gas defrost systems, LRC's "SLRF" units give you maximum cooling for any small room installation.

- One to six fan units provide low velocity air for small room applications
- Low profile unit maximizes product storage space
- Slotted hanger brackets make installation fast and easy
- Hinged drain pan, split coil and easy access heater(s) makes routine maintenance easy and allows heater elements to be changed from below the unit
- Drain connection is located on the front instead of the bottom to provide additional storage space under the unit
- Side opening electrical panel is easily accessible and contains electrical connections pre-wired to screw type terminal blocks to make wiring simple
- Thermally protected motor(s) and low noise fan blades
- Rust proof, all aluminum construction. Stainless steel cabinets and/or epoxy,



polyester, or phenolic coatings are available for additional corrosion protection

- Designed for direct expansion R-22, R-12, R-404A, R-502, and R-507 refrigerants. Specify refrigerant when ordering
- High performance staggered coils, with tubing mechanically expanded into aluminum collared fins provide maximum heat transfer and strength
- Air defrost – available on all units. Recommended for coolers at +35°F or more
- Electrical defrost for rooms below +35°F – heater(s) located within the center of the coil provide a rapid and even defrost pattern. An adjustable defrost termination and fan delay control is included so defrost can be set for specific applications.
- Hot Gas defrost for rooms below +35°F – includes an adjustable defrost termination and fan delay control so defrost can be set for specific applications. Hot Gas Reverse cycle also available, consult factory for details.
- NSF approved for flush to ceiling installation
- ETL certified

### Options Available – Call for details

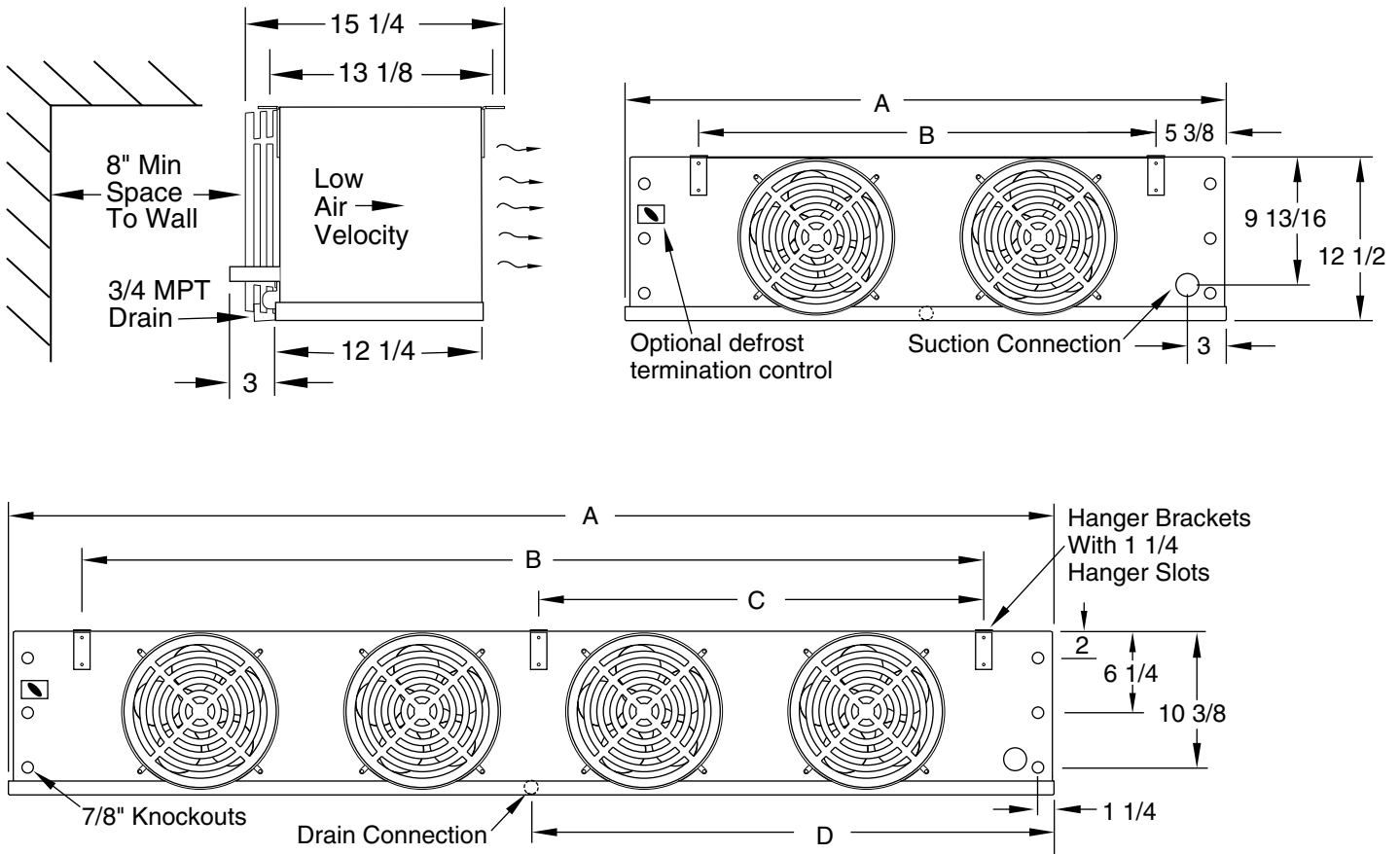
- 3 phase wiring configurations are available
- Custom circuiting for Glycol applications available
- Energy efficient motors are available to reduce power consumption
- Copper, or coated aluminum fins can be ordered for additional corrosion resistance
- Insulated drain pans
- Factory installed TXV's
- OEM or customized units are available. Call factory for details

### Product Number Designation Example

SLRF\*56-227 =  
 SLRF = Slim Line Reverse Flow  
 \* = A (Air defrost), E (Electric defrost), or H (Hot Gas defrost)  
 5 = Number of fans  
 6 = Fins per inch  
 -227 = BTUH's at -20°F ST (freezer units) or BTUH's at +25°F ST/10°F TD (cooler units)



All measurements are in inches



### Slim Line Reverse Flow (SLRF) Unit Physical Data

# Fans	Motor Amps		Electric defrost specs		Dimensions (Inches)			
	115 1Ø	208/230 1Ø	Defrost Amps 208/230 1Ø	Defrost Watts	A	B	C	D
1 Fan	1.1	0.55	4.8	1,100	28 3/4	18	-	14 3/8
2 Fans	2.2	1.1	8.3	1,900	45 3/4	35	-	22 7/8
3 Fans	3.3	1.65	11.3	2,600	62 3/4	52	-	31 3/8
4 Fans	4.4	2.2	16.5	3,800	79 3/4	69	34	39 7/8
5 Fans	5.5	2.75	19.6	4,500	96 3/4	86	34	48 3/8
6 Fans	6.6	3.3	22.6	5,200	113 3/4	103	51	56 7/8

Fan diameter is 10". 16 watt fan motors.

460 VAC motors and 115 or 460 VAC defrost systems are available, call factory for details

3Ø configurations can be ordered. Contact factory for information

Our Application Engineers can help you design the system you need. Call us today, 562-944-1969, and we'll get you the right LRC product for your project.

## Cooler Units

### Air (A), Electric (E), or Hot Gas (H) Defrost

#### 4 Fins per Inch

Cooler connection sizes are based on R22 @ +25° ST, 10°TD

If installation conditions are different from those listed, connection sizes and quantity may vary—call LRC’s Application Engineers for more information.

Model No.	Fan Data		Ref. Connections		BTUH Capacity @ 25°F ST (R22, R404A)		Unit Weight (lbs)	
	QTY	CFM	Liquid	Suction	10°F TD	12°F TD	A Units	E/H Units
SLRF*14-42	1	725		5/8	4,220	5,064	33	35
SLRF*24-68	2	1,500		5/8	6,791	8,149	48	52
SLRF*24-84	2	1,450		5/8	8,450	10,140	54	58
SLRF*34-102	3	2,250	1/2	7/8	10,151	12,181	67	73
SLRF*34-126	3	2,175		7/8	12,589	15,107	75	81
SLRF*44-134	4	3,000		7/8	13,449	16,139	87	95
SLRF*44-169	4	2,900		7/8	16,910	20,292	97	105
SLRF*54-211	5	3,625		7/8	21,086	25,303	116	126
SLRF*64-252	6	4,350		1 1/8	25,212	30,254	137	149

Replace “\*” with A (for air defrost), E (for electric defrost), or H (for hot gas defrost) when ordering Hot Gas Units - External Equalizer - 1/4;" Hot Gas Side Port - 1/2"

#### 6 Fins per Inch

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Model No.	Fan Data		Ref. Connections		BTUH Capacity @ 25°F ST (R22, R404A)		Unit Weight (lbs)	
	QTY	CFM	Liquid	Suction	10°F TD	12°F TD	A Units	E/H Units
SLRF*16-41	1	700		5/8	4,061	4,873	31	36
SLRF*16-50	1	685		5/8	4,974	5,969	34	38
SLRF*26-60	2	1,450		5/8	6,048	7,258	45	49
SLRF*26-77	2	1,450		5/8	7,680	9,216	45	49
SLRF*26-81	2	1,400	1/2	5/8	8,102	9,722	51	55
SLRF*26-99	2	1,370		7/8	9,904	11,885	57	61
SLRF*36-149	3	2,055		7/8	14,897	17,876	80	86
SLRF*46-162	4	2,800		7/8	16,212	19,454	92	100
SLRF*46-197	4	2,740		7/8	19,650	23,580	103	111
SLRF*56-247	5	3,425		1 1/8	24,701	29,641	124	134
SLRF*66-298	6	4,110		1 1/8	29,801	35,761	148	160

Replace “\*” with A (for air defrost), E (for electric defrost), or H (for hot gas defrost) when ordering Hot Gas Units - External Equalizer - 1/4;" Hot Gas Side Port - 1/2"

#### 8 Fins per Inch

Model No.	Fan Data		Ref. Connections		BTUH Capacity @ 25°F ST (R22, R404A)		Unit Weight (lbs)	
	QTY	CFM	Liquid	Suction	10°F TD	12°F TD	A Units	E/H Units
SLRF*18-45	1	685		5/8	4,489	5,387	32	37
SLRF*18-54	1	670		5/8	5,407	6,488	36	41
SLRF*28-90	2	1,370		5/8	8,987	10,784	53	57
SLRF*28-108	2	1,340		7/8	10,833	13,000	60	64
SLRF*38-134	3	2,055	1/2	7/8	13,406	16,087	75	81
SLRF*38-163	3	2,010		7/8	16,300	19,560	85	91
SLRF*48-180	4	2,740		7/8	17,983	21,580	97	105
SLRF*48-217	4	2,680		7/8	21,684	26,021	110	118
SLRF*58-270	5	3,350		1 1/8	27,008	32,410	133	143
SLRF*68-322	6	4,020		1 1/8	32,244	38,693	158	170

Replace “\*” with A (for air defrost), E (for electric defrost), or H (for hot gas defrost) when ordering Hot Gas Units - External Equalizer - 1/4;" Hot Gas Side Port - 1/2"

## Freezer Units

### Electric (E) or Hot Gas (H) Defrost

#### 4 Fins per Inch

Model No.	Fan Data		Ref. Connections		BTUH Capacity @ 10°F TD (R22, R404A)				Unit Weight (lbs) E/H Units
	QTY	CFM	Liquid	Suction	-30°F ST	-20°F ST	-10°F ST	+10°F ST	
SLRF*14-37	1	725		5/8	3,305	3,733	3,889	4,375	35
SLRF*24-59	2	1,500		7/8	5,228	5,905	6,151	6,920	52
SLRF*24-78	2	1,450		7/8	6,618	7,475	7,786	8,759	58
SLRF*34-89	3	2,250	1/2	7/8	7,901	8,923	9,295	10,457	73
SLRF*34-111	3	2,175		1 1/8	9,870	11,147	11,611	13,062	81
SLRF*44-118	4	3,000		1 1/8	10,479	11,835	12,328	13,869	95
SLRF*44-147	4	2,900		1 1/8	13,023	14,708	15,321	17,236	105
SLRF*54-187	5	3,625		1 1/8	16,519	18,657	19,434	21,863	126
SLRF*64-233	6	4,350		1 1/8	19,763	22,320	23,250	26,156	149

Replace "\*" with either E (for electric defrost) or H (for hot gas defrost) when ordering  
 Hot Gas Units - External Equalizer - 1/4", Hot Gas Side Port - 1/2"

#### 6 Fins per Inch

Model No.	Fan Data		Ref. Connections		BTUH Capacity @ 10°F TD (R22, R404A)				Unit Weight (lbs) E/H Units
	QTY	CFM	Liquid	Suction	-30°F ST	-20°F ST	-10°F ST	+10°F ST	
SLRF*16-35	1	700		5/8	3,129	3,534	3,681	4,141	33
SLRF*16-44	1	685		5/8	3,865	4,365	4,547	5,115	36
SLRF*26-51	2	1,450		5/8	4,539	5,126	5,340	6,008	49
SLRF*26-70	2	1,400		7/8	6,176	6,975	7,266	8,174	55
SLRF*26-87	2	1,370	1/2	7/8	7,741	8,743	9,107	10,245	61
SLRF*36-130	3	2,055		1 1/8	11,520	13,011	13,553	14,063	86
SLRF*46-140	4	2,800		1 1/8	12,385	13,988	14,571	16,392	100
SLRF*46-176	4	2,740		1 1/8	15,555	17,568	18,300	20,588	111
SLRF*56-218	5	3,425		1 1/8	19,312	21,811	22,720	25,560	134
SLRF*66-261	6	4,110		1 1/8	23,082	26,069	27,155	30,549	160

Replace "\*" with either E (for electric defrost) or H (for hot gas defrost) when ordering  
 Hot Gas Units - External Equalizer - 1/4", Hot Gas Side Port - 1/2"

Freezer connection sizes are based on R-404A @ -20 ST, 10 TD.

If installation conditions are different from those listed above, connection sizes and quantity may vary - call LRC's Application Engineers for more information.

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#### OUR UNCONDITIONAL GUARANTEE

We're proud of the workmanship that goes into every LRC product. Because of our exacting design and manufacturing standards, and our thorough testing prior to shipping, we unconditionally guarantee our products to be free from manufacturing defects for one year. You can count on LRC Coil for quality heat transfer products.

At LRC, we are continuously working to improve our products, therefore, we reserve the right to make changes without notice.