



®

The **Low Sound** **All-Fiberglass** Cooling Towers



LSFG-8

Low Sound Series

SLSFG-10

Super Low Sound Series

Leaders in “All-Fiberglass” Cooling Towers

REYMSA’s success is the result of 35 years of experience in Cooling Towers. We have been putting ideas into action by researching and developing the latest technology, therefore we are proud to offer the **Low Sound Series** for sound sensitive applications.



Keep the peace and reduce your impact on others, use Low Sound Tower Series from REYMSA.



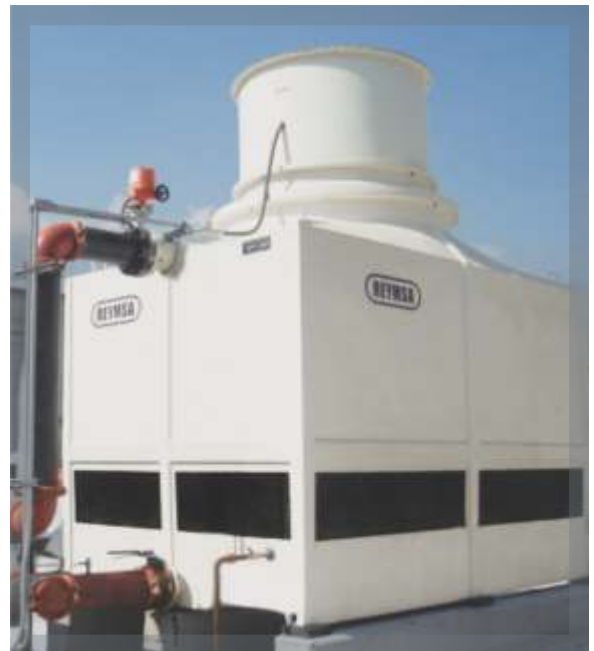
LSFG-8 LOW SOUND & SLSFG-10 SUPER LOW SOUND TOWER FEATURES



- All FRP Seamless One piece construction.
- Corrosion resistant.
- UV Protection for extended life.
- Fiberglass-Reinforced-Polyamide adjustable pitch blades.
- One piece seamless basin design.
- Fixed distribution nozzles with variable flow rates.
- Self extinguish PVC fill & PVC drift eliminator.
- Low and Super Low sound.
- Sickle fan blades for reduced sound.
- Low RPM motor.
- Triple-pass PVC air inlet louvers.
- No moving internal parts.
- Single or multiple fan configurations with common sump.
- Light weight.
- Stable thermal composition.
- Minimal maintenance.

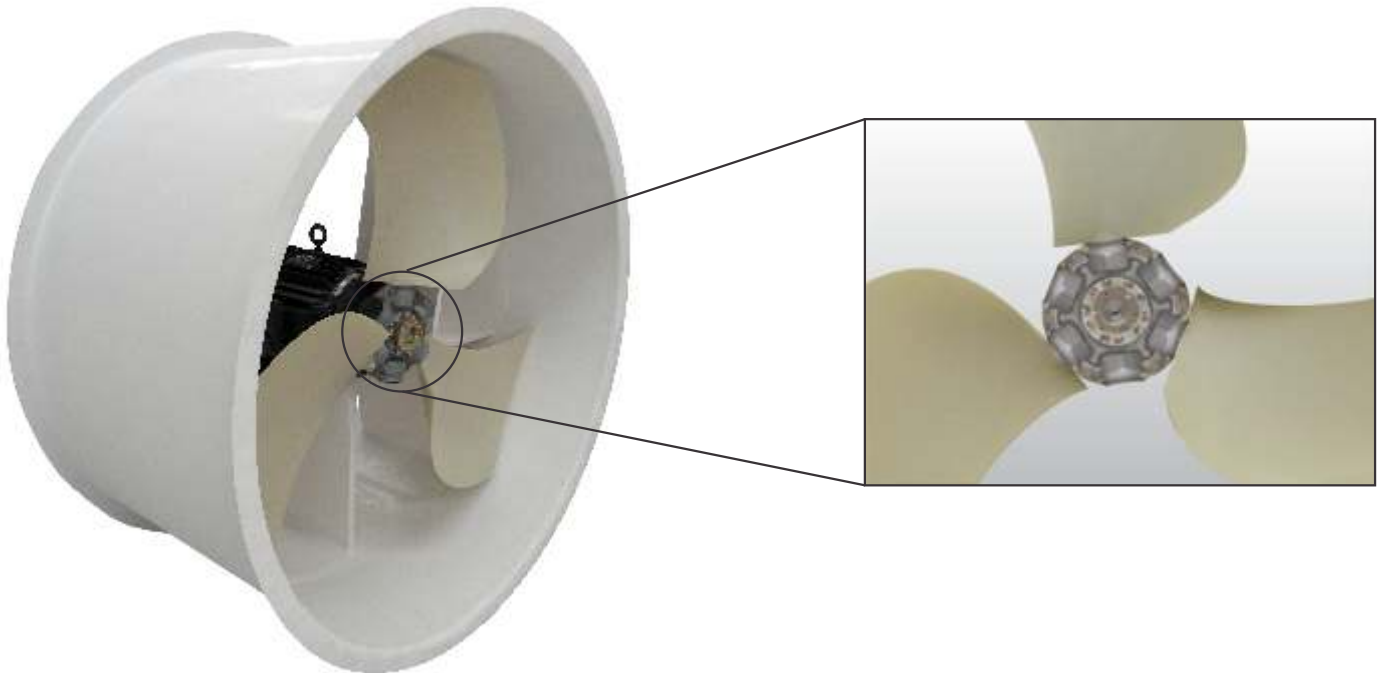
ALL FIBERGLASS SUPERIOR ADVANTAGES

- Corrosion resistant.
- Major longevity, life expectancy of 30 plus years.
- No risk of water leakage, a unique seamless, one piece construction.
- Better appearance, aesthetically superior to other Cooling Towers.
- UV (Ultra Violet) inhibitor Gel-Coat applied on the Exterior and Interior surfaces gives superior protection against harsh environmental conditions and aggressive chemical treatment.
- FRP is not affected by the corrosive sediments collected in the basin. Most metal tower manufactures (galvanized and stainless steel) require frequent draining, flushing and cleaning of the sediment to try to prevent corrosion.
- Greater resistance to a wide spectrum of pH 's, total dissolved solids, chlorides and sulfates from the water treatment.
- Capable of enduring a much higher concentration of chlorides in the water than any steel (galvanized and / or stainless) Cooling Tower. REYMSA all fiberglass Cooling Tower is a perfect partner for Pulse Power non-chemical water treatment applications that handle up to a 400 ppm chloride concentration in the recirculation water. These application would mean more cycles of concentration and less water loss due to bleed off or blow-downs.



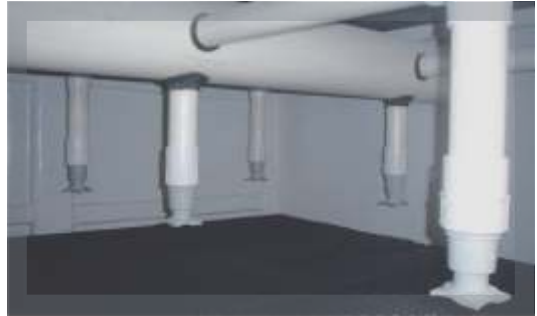
DIRECT DRIVE FAN MOTOR FEATURES

- Eliminates the use of pulleys, belts, bearing and couplings and the associated cost, time and inconveniences of maintaining them.
- Increases reliability and greatly reduces risk of failure, with only one moving part.
- REYMSA uses the best fan on the market, manufactured using cast aluminum hubs and adjustable pitch air foil sickle blades molded with fiberglass reinforced polyamide, which is spark and corrosive resistant, able to resist high vibration levels and high temperatures. Ambient operating air temperatures may fluctuate from – 50°F to 250°F.
- Fan Motors: all of our Towers feature motors that exceed the Cooling Tower duty characteristics: Severe, Marine and Inverter duty, Cast iron construction, Epoxy coated (internal and external), Inpro/seal VBX bearings isolators, Brass drain and breather, TEFC/1.15 SF/ 6-60 Variable torque, Premium efficient motor.



THE MOST RELIABLE HOT WATER DISTRIBUTION SYSTEM

Hot water manifold manufactured of PVC with welded branches tested at 100 psig., to assure reliability and prevent water leakages that affect the tower efficiency, due to wearing of union gasket as other manufacturers do.



NON CLOGGING SPRAY NOZZLES

Fixed, non-clogging orifice nozzles, 2 ½", N.P.T., largest in the market, manufactured in ABS plastic, able to handle up to 180°F water temperature, with interchangeable internal devices so that water is efficiently and uniformly distributed across the entire fill surface. Nozzle body has threaded connection and it is easy to remove.

2½" N.P.T. ABS-Spray Nozzles
with interchangeable
internal devices



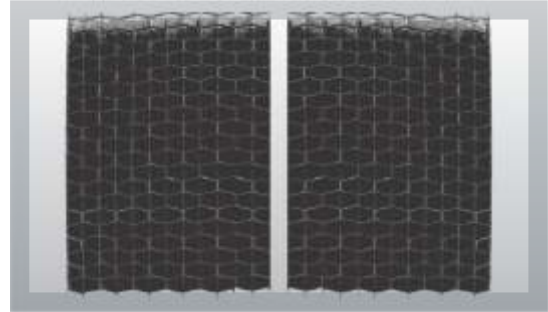
HIGHEST SURFACE TO VOLUME RATIO PVC FILL FOR SMALLER FOOTPRINT

By having the highest specific surface area ft²/ft³, our fill provides the most surface area for heat transfer for all HVAC and most Industrial applications. The PVC compounds used in our fill have outstanding resistance to weather and are nearly impervious to chemical degradation by alkali, acids, grease, fats, oils and biological attack. Also has excellent fire rating due to its self-extinguishing characteristics and meets or exceeds Cooling Technology Institute (CTI) PVC materials standard 136.



EASILY REMOVABLE AIR INLET LOUVERS

Our triple pass PVC air inlet louvers are designed to minimize direct sunlight to the water, reduce splash out and reduce noise while having low pressure drop that results in less fan motor energy consumption. The potential of algae growth is reduced, therefore reducing water treatment and maintenance cost. Additional characteristics are its durability by being corrosion-free and impervious to chemical attacks. PVC is specially formulated for UV and fire resistance, non-combustible and self extinguishing.



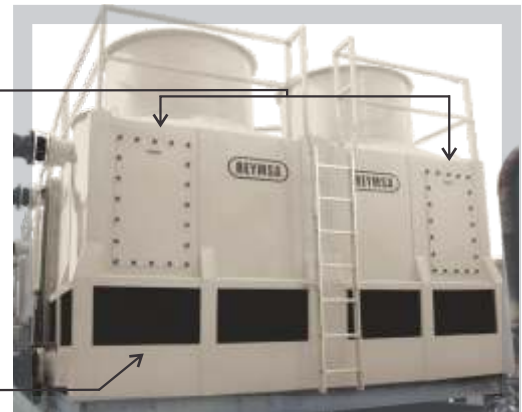
EASY MAINTENANCE AND CLEANING ACCESS

Wide and easily accessible for monitoring or cleaning.



Removable
Access Door

Removable
Air inlet Louvers



A COMPANY FOUNDED IN 1969 WHO REALLY UNDERSTANDS THE IMPORTANCE OF HAVING SATISFIED CUSTOMERS TO BUILD LONG TERM RELATIONSHIPS

ALL COOLING TOWERS ARE ASSEMBLED AND TESTED PRIOR TO SHIPMENT



EASY AND ECONOMICAL ASSEMBLY AND INSTALLATION

- Assembly consist simply in bolting the fan cylinder to the one piece body/basin section. There are no gaskets required.
- The reduced footprint of our induced draft, counterflow design requires less structural base support and frequently less piping than the crossflow towers.



OPTIONAL EQUIPMENT



- Access ladder.
- Stainless steel handrail.
- Stainless steel non-skid catwalk.
- Vibration switch.
- Sound / air deflectors.



- Automatic Sand Filtration System
- Basin Sweeper piping for water filtration.
- Basin heaters and control panel.
- Electric water level controller and valve.
- Fire Sprinkler System.

OPTIONAL DESIGNS WITH CUSTOMIZED COMPONENTS OR COLORS FOR SPECIAL APPLICATIONS

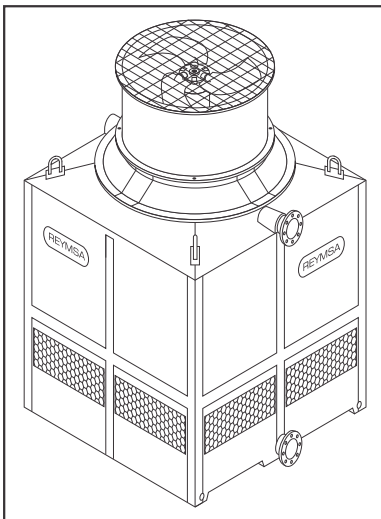


- Special fills for industrial applications with bigger flutes, vertical design or for higher than 130°F water temperature.
- Tower casing construction with flame retardant resin according to the ASTM-E84 Standard.
- Special Colors, Designs or Configurations.



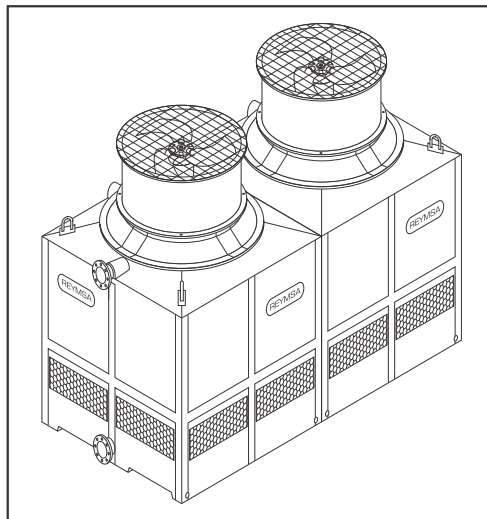
LOW & SUPER LOW SOUND MODELS

SINGLE FAN



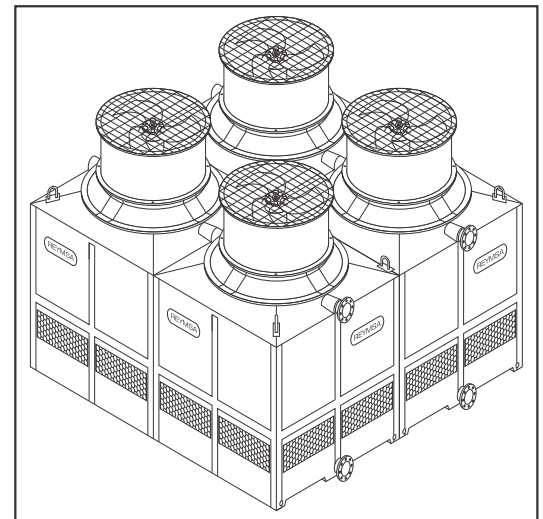
LSFG-8-60610 to LSFG-8-812125
SLSFG-10-606103 to SLSFG-10-812125

DOUBLE FAN



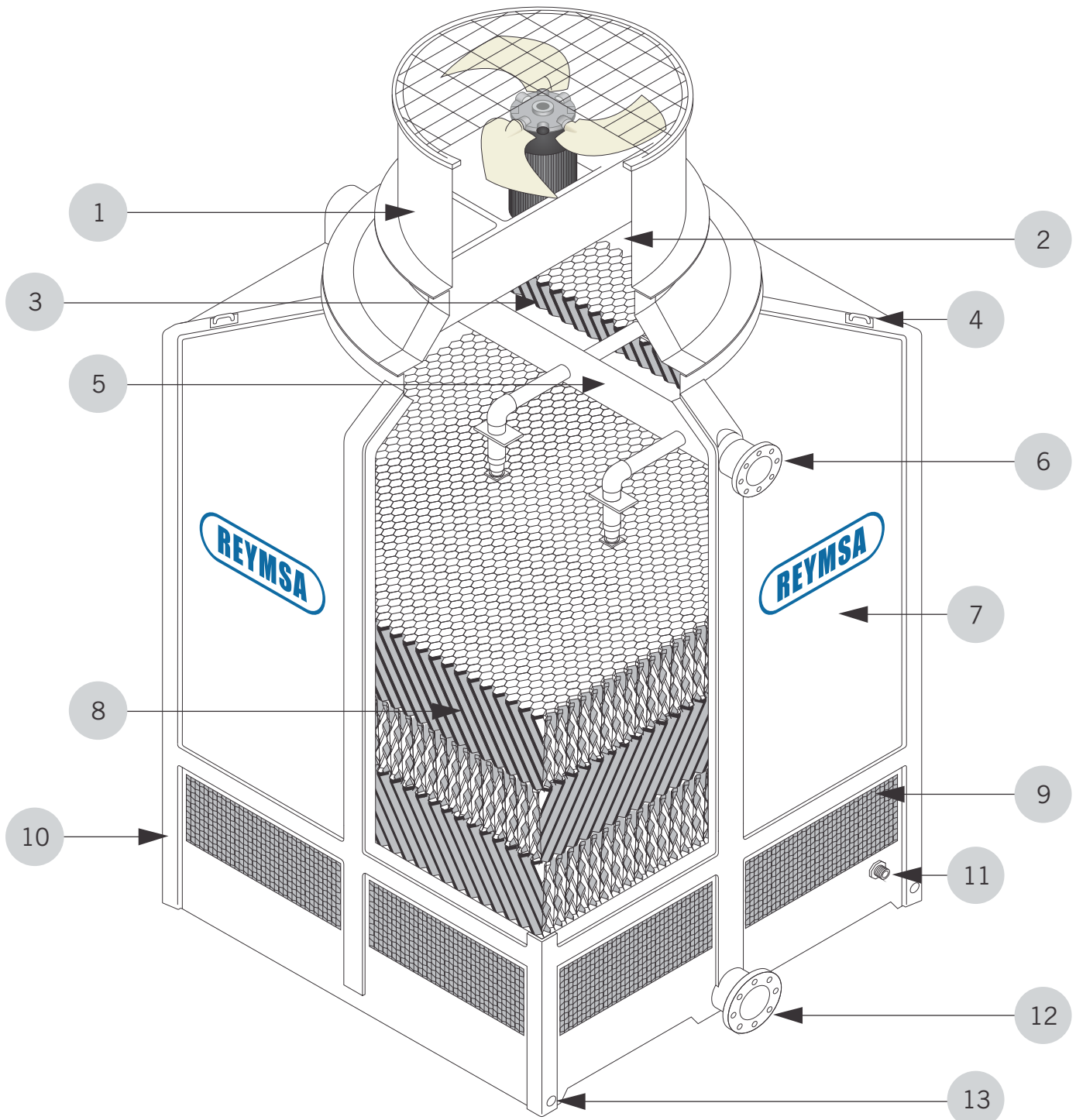
LSFG-8-714203 to LSFG-8-816215
SLSFG-10-714203 to SLSFG-10-816215

QUADRUPLE FAN



LSFG-8-1414403 to LSFG-8-1616415
SLSFG-10-1414403 to SLSFG-10-1616415

CONSTRUCTION DETAILS



1. Fan Section

2. Plenum

3. Drift Eliminator

4. Lifting Eyes

5. Spray Nozzle Manifold

6. Hot Water Inlet

7. Body Section

8. Cellular Fill

9. Air Inlet Louvers

10. Basin Section

11. Water Make up

12. Cold Water Outlet

13. Mounting Holes

14. Overflow (back side)

15. Drain (back side)

16. Purge (back side)

LSFG-8 SERIES

ENGINEERING DATA						
MODEL	DIMENSIONS (in.)			WEIGHT (lbs.)		*NOMINAL TONS
	L	W	H	SHIPPING	OPERATING	
LSFG-8-606103	73	73	127	1890	4415	79
LSFG-8-606105	73	73	127	1890	4415	97
LSFG-8-606175	73	73	127	1890	4415	111
LSFG-8-707103	83½	83½	139	2553	5624	87
LSFG-8-707105	83½	83½	139	2553	5624	111
LSFG-8-707175	83½	83½	139	2553	5624	129
LSFG-8-708103	96	84	139	2717	6230	90
LSFG-8-708105	96	84	139	2717	6230	117
LSFG-8-708175	96	84	139	2717	6230	136
LSFG-8-708110	96	84	139	2717	6230	150
LSFG-8-709103	110¾	85¾	139	2912	6863	92
LSFG-8-709105	110¾	85¾	139	2912	6863	121
LSFG-8-709175	110¾	85¾	139	2912	6863	141
LSFG-8-709110	110¾	85¾	139	2912	6863	155
LSFG-8-709115	110¾	85¾	134	2912	6863	189
LSFG-8-808103	96	96	163	2986	6992	93
LSFG-8-808105	96	96	163	2986	6992	122
LSFG-8-808175	96	96	163	2986	6992	145
LSFG-8-808110	96	96	163	2986	6992	158
LSFG-8-808115	96	96	163	2986	6992	194
LSFG-8-810103	120½	96	163	3548	8522	96
LSFG-8-810105	120½	96	163	3548	8522	128
LSFG-8-810175	120½	96	163	3548	8522	153
LSFG-8-810110	120½	96	163	3548	8522	171
LSFG-8-810115	120½	96	163	3548	8522	211
LSFG-8-810120	120½	96	163	3548	8522	242
LSFG-8-812105	145	96	164	4028	9965	134
LSFG-8-812175	145	96	164	4028	9965	151
LSFG-8-812110	145	96	164	4028	9965	176
LSFG-8-812115	145	96	164	4028	9965	224
LSFG-8-812120	145	96	164	4028	9965	259
LSFG-8-812125	145	96	164	4028	9965	280
LSFG-8-714203	167	83½	139	4674	10818	171
LSFG-8-714205	167	83½	139	4674	10818	218
LSFG-8-714275	167	83½	139	4674	10818	252
LSFG-8-816203	199½	104¾	168	5476	13213	186
LSFG-8-816205	199½	104¾	168	5476	13213	245
LSFG-8-816275	199½	104¾	168	5476	13213	290
LSFG-8-816210	199½	104¾	168	5476	13213	318
LSFG-8-816215	199½	104¾	168	5476	13213	389
LSFG-8-822275**	268	98¾	282	7950	19445	312
LSFG-8-822210**	268	98¾	282	7950	19445	345
LSFG-8-822215**	268	98¾	282	7950	19445	432
LSFG-8-822220**	268	98¾	282	7950	19445	507
LSFG-8-827275**	328	98¾	301	9435	25540	306
LSFG-8-827210**	328	98¾	301	9435	25540	357
LSFG-8-827215**	328	98¾	301	9435	25540	454
LSFG-8-827220**	328	98¾	301	9435	25540	529
LSFG-8-1414403	175	174	139	9349	21637	346
LSFG-8-1414405	175	174	139	9349	21637	438
LSFG-8-1414475	175	174	139	9349	21637	509
LSFG-8-1616403	199½	201	168	10953	26427	369
LSFG-8-1616405	199½	201	168	10953	26427	484
LSFG-8-1616475	199½	201	168	10953	26427	566
LSFG-8-1616410	199½	201	168	10953	26427	624
LSFG-8-1616415	199½	201	168	10953	26427	761
LSFG-8-1622475	268	198	205	15400	38390	624
LSFG-8-1622410	268	198	205	15400	38390	690
LSFG-8-1622415	268	198	205	15400	38390	864
LSFG-8-1622420	268	198	205	15400	38390	1013
LSFG-8-1627475	328	197½	209¾	18870	51080	613
LSFG-8-1627410	328	197½	209¾	18870	51080	714
LSFG-8-1627415	328	197½	209¾	18870	51080	909
LSFG-8-1627420	328	197½	209¾	18870	51080	1057

* A Nominal TON is defined as 3 GPM of water cooled from 95°F to 85°F with a 78°F entering wet bulb.

** Modular sections to be assembled for higher tonnage requirements. Minimum two modules. Contact your Rep for proper selection.

1. All dimensions, weights and capacities are in inches, pounds and gallons. Physical dimensions of each tower are approximate and are subject to change.
2. All double and quadruple models have double fittings and connections.

SLSFG-10 SERIES

ENGINEERING DATA						
MODEL	DIMENSIONS (in.)			WEIGHT (lbs.)		*NOMINAL TONS
	L	W	H	SHIPPING	OPERATING	
SLSFG-10-606103	73	73	127	1890	4415	82
SLSFG-10-606105	73	73	127	1890	4415	94
SLSFG-10-606175	73	73	127	1890	4415	105
SLSFG-10-707103	83½	83½	139	2553	5624	93
SLSFG-10-707105	83½	83½	139	2553	5624	111
SLSFG-10-707175	83½	83½	139	2553	5624	132
SLSFG-10-708103	96	84	139	2717	6230	97
SLSFG-10-708105	96	84	139	2717	6230	117
SLSFG-10-708175	96	84	139	2717	6230	140
SLSFG-10-708110	96	84	139	2717	6230	159
SLSFG-10-709103	110¾	85¾	139	2912	6863	101
SLSFG-10-709105	110¾	85¾	139	2912	6863	122
SLSFG-10-709175	110¾	85¾	139	2912	6863	148
SLSFG-10-709110	110¾	85¾	139	2912	6863	171
SLSFG-10-709115	110¾	85¾	139	2912	6863	194
SLSFG-10-808103	96	96	163	2986	6992	103
SLSFG-10-808105	96	96	163	2986	6992	124
SLSFG-10-808175	96	96	163	2986	6992	153
SLSFG-10-808110	96	96	163	2986	6992	174
SLSFG-10-808115	96	96	163	2986	6992	200
SLSFG-10-810103	120½	96	163	3548	8522	108
SLSFG-10-810105	120½	96	163	3548	8522	131
SLSFG-10-810175	120½	96	163	3548	8522	161
SLSFG-10-810110	120½	96	163	3548	8522	191
SLSFG-10-810115	120½	96	163	3548	8522	222
SLSFG-10-810120	120½	96	163	3548	8522	240
SLSFG-10-812105	145	96	164	4028	9965	134
SLSFG-10-812175	145	96	164	4028	9965	171
SLSFG-10-812110	145	96	164	4028	9965	200
SLSFG-10-812115	145	96	164	4028	9965	238
SLSFG-10-812120	145	96	154	4028	9965	265
SLSFG-10-812125	145	96	154	4028	9965	298
SLSFG-10-714203	167	83½	139	4674	10818	182
SLSFG-10-714205	167	83½	139	4674	10818	214
SLSFG-10-714275	167	83½	139	4674	10818	256
SLSFG-10-816203	199½	104¾	168	5476	13213	205
SLSFG-10-816205	199½	104¾	168	5476	13213	248
SLSFG-10-816275	199½	104¾	168	5476	13213	304
SLSFG-10-816210	199½	104¾	168	5476	13213	350
SLSFG-10-816215	199½	104¾	168	5476	13213	401
SLSFG-10-822275**	268	98¾	282	7950	19445	329
SLSFG-10-822210**	268	98¾	282	7950	19445	387
SLSFG-10-822215**	268	98¾	282	7950	19445	458
SLSFG-10-822220**	268	98¾	282	7950	19445	495
SLSFG-10-827275**	328	98¾	301	9435	25540	345
SLSFG-10-827210**	328	98¾	301	9435	25540	406
SLSFG-10-827215**	328	98¾	301	9435	25540	483
SLSFG-10-827220**	328	98¾	301	9435	25540	528
SLSFG-10-1414403	175	174	139	9349	21637	369
SLSFG-10-1414405	175	174	139	9349	21637	437
SLSFG-10-1414475	175	174	139	9349	21637	519
SLSFG-10-1616403	199½	201	168	10953	26427	406
SLSFG-10-1616405	199½	201	168	10953	26427	491
SLSFG-10-1616475	199½	201	168	10953	26427	598
SLSFG-10-1616410	199½	201	168	10953	26427	677
SLSFG-10-1616415	199½	201	168	10953	26427	778
SLSFG-10-1622475	268	198	205	15400	38390	660
SLSFG-10-1622410	268	198	205	15400	38390	776
SLSFG-10-1622415	268	198	205	15400	38390	921
SLSFG-10-1622420	268	198	205	15400	38390	1000
SLSFG-10-1627475	328	197½	209¾	18870	51080	690
SLSFG-10-1627410	328	197½	209¾	18870	51080	812
SLSFG-10-1627415	328	197½	209¾	18870	51080	965
SLSFG-10-1627420	328	197½	209¾	18870	51080	1057

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