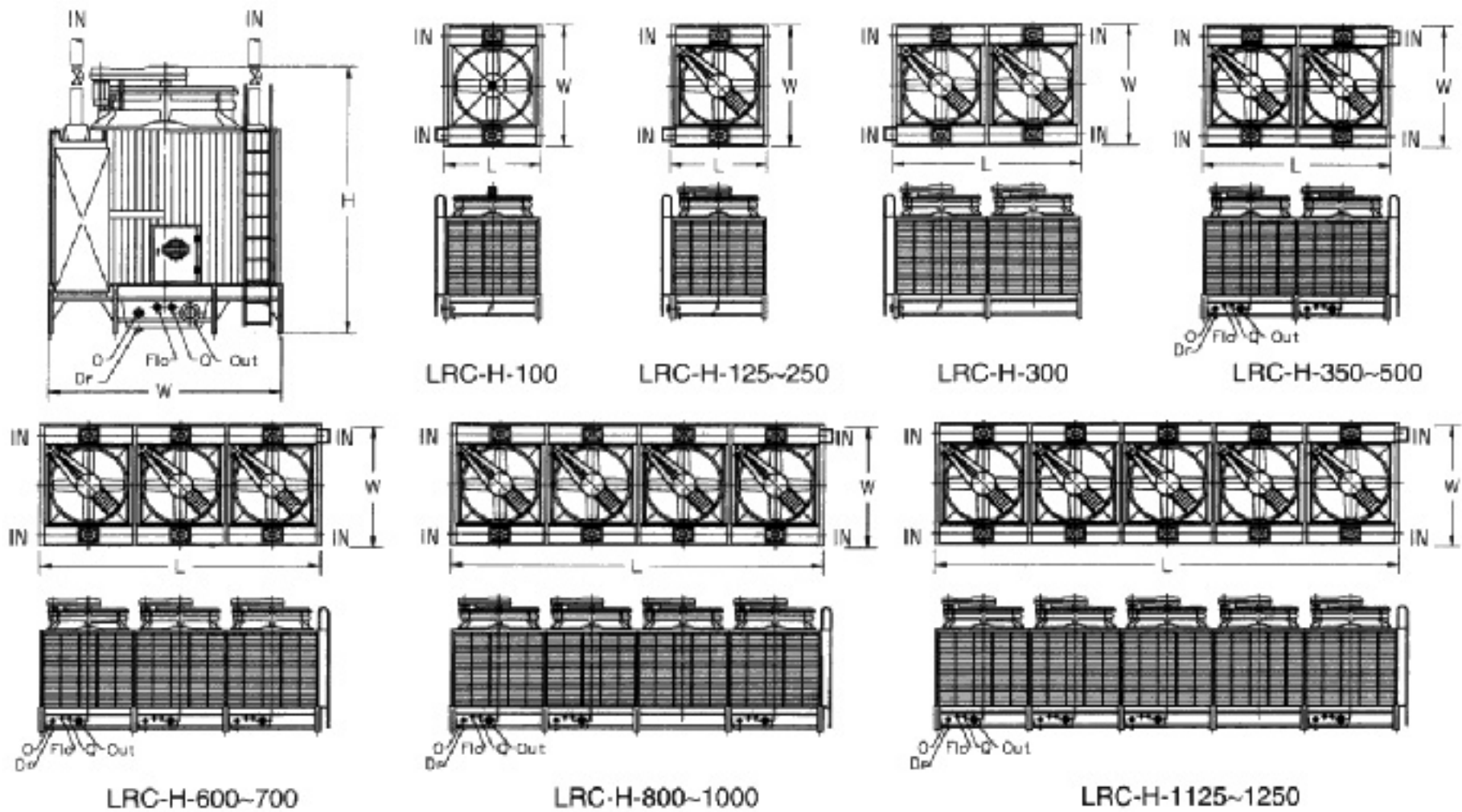


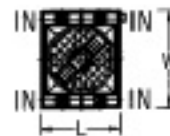
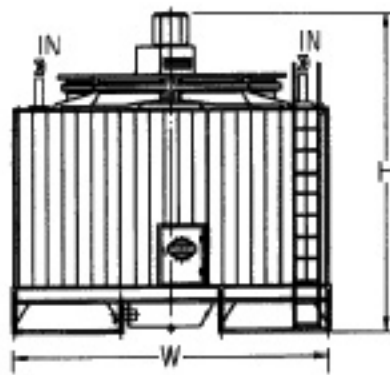
Dimensions and Standard Specifications for LRC-H Series



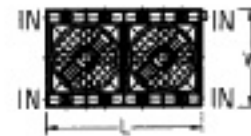
LRC-H Series														
Tower Model LRC-H	Nominal Water Flow		Dimensions (Inch)			Pipe Connections (Inch) x (PCS)						Weight (Lbs)		Pump Head (Ft)
	GPM	HP (PCS)	W	L	H	In	Out	Dr	O	Flo	Q	Dry	Operating	
-100	207	2x1	106	69	145	3x2	5x1	2x1	2x1	1x1	1x1	1655	4520	12
-125	262	5x1	113	77	144	4x2	5x1	2x1	2x1	1x1	1x1	1765	4895	12
-150	315	5x1	113	85	144	4x2	6x1	2x1	2x1	1x1	1x1	1875	5115	12
-175	369	7½x1	121	93	147	5x2	6x1	2x1	2x1	1x1	1x1	2140	5890	12½
-200	419	7½x1	125	101	147	5x2	8x1	2x1	2x1	1x1	1x1	2270	6240	12½
-225	470	7½x1	133	106	147	5x2	8x1	2x1	2x1	1x1	1x1	2470	6990	12½
-250	523	10x1	133	117	147	5x2	8x1	2x1	2x1	1x1	1x1	2645	7430	12½
-300	630	5x2	113	164	144	4x4	8x1	2x1	2x1	1x1	1x1	3530	8910	12
-350	738	7½x2	121	180	147	5x4	6x2	2x2	2x2	1x2	1x2	4060	11555	12½
-400	838	7½x2	125	196	147	5x4	8x2	2x2	2x2	1x2	1x2	4325	12260	12½
-450	940	7½x2	133	204	147	5x4	8x2	2x2	2x2	1x2	1x2	4720	13760	12½
-500	1046	10x2	133	227	147	5x4	8x2	2x2	2x2	1x2	1x2	5075	14645	12½
-600	1257	7½x3	125	291	147	5x6	8x2	2x2	2x2	1x2	1x2	6375	17180	12½
-700	1410	7½x3	133	302	147	5x6	8x3	2x3	2x3	1x3	1x3	6970	20530	12½
-800	1676	7½x4	125	386	147	5x8	8x3	2x3	2x3	1x3	1x3	8425	23200	12½
-900	1880	7½x4	133	401	147	5x8	8x3	2x3	2x3	1x3	1x3	9220	26200	12½
-1000	2092	10x4	133	449	147	5x8	8x3	2x3	2x3	1x3	1x3	9925	27960	12½
-1125	2350	7½x5	133	500	147	5x10	8x4	2x4	2x4	1x4	1x4	11470	32965	12½
-1250	2615	10x5	133	559	147	5x10	8x4	2x4	2x4	1x4	1x4	12350	35170	12½

- The design temperatures are 95°F Entering Temperature, 85°F Leaving Temperature and 78°F Wet Bulb Temperature.
- Make up pipe connections (Flo and Q) of 1½ inch is joined with outside piping connector of 1½ inch.

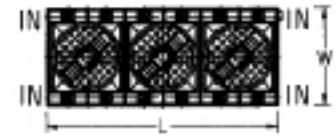
Dimensions and Standard Specifications for LRC-LNS Series



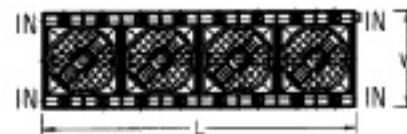
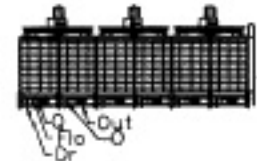
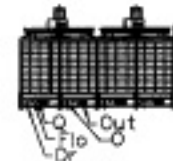
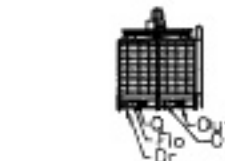
LRC-LNS-300~500



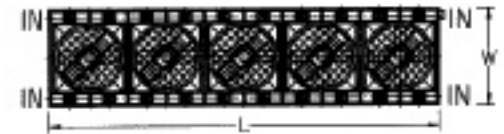
LRC-LNS-600~1000



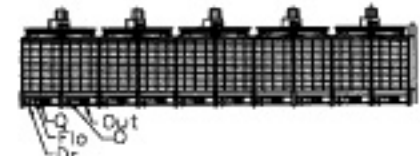
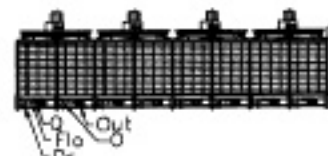
LRC-LNS-1200~1500



LRC-LNS-1600~2000



LRC-LNS-2250~2500



LRC-LNS Series														
Tower Model LRC-LNS	Nominal Water Flow		Dimensions (Inch)			Pipe Connections (Inch) x (PCS)						Weight (Lbs)		Pump Head (Ft)
	GPM	HP (PCS)	W	L	H	In	Out	Dr	O	Flo	Q	Dry	Operating	
-300	630	10x1	173	141	174	5x4	6x2	2x2	2x2	1x2	1x2	3505	8620	12
-350	738	10x1	173	149	182	5x4	6x2	2x2	2x2	1x2	1x2	4080	10230	13
-400	838	15x1	188	164	185	5x4	6x2	2x2	2x2	1x2	1x2	4390	12150	13
-450	940	15x1	212	164	185	5x4	6x2	2x2	2x2	1x2	1x2	5050	14155	13
-500	1046	15x1	212	172	193	5x4	6x2	2x2	2x2	1x2	1x2	5335	15060	13½
-600	1257	10x2	173	275	174	5x8	6x4	2x4	2x4	1x4	1x4	6750	16980	12
-700	1410	10x2	173	291	182	5x8	6x4	2x4	2x4	1x4	1x4	7850	20155	13
-800	1676	15x2	188	323	185	5x8	6x4	2x4	2x4	1x4	1x4	8425	23945	13
-900	1880	15x2	212	323	185	5x8	6x4	2x4	2x4	1x4	1x4	9700	27915	13
-1000	2092	15x2	212	338	193	5x8	6x4	2x4	2x4	1x4	1x4	10230	29680	13½
-1200	2514	15x3	188	481	185	5x12	6x6	2x6	2x6	1x6	1x6	12460	35745	13
-1350	2820	15x3	212	481	185	5x12	6x6	2x6	2x6	1x6	1x6	14355	41875	13
-1500	3138	15x3	212	504	193	5x12	6x6	2x6	2x6	1x6	1x6	15125	44300	13½
-1600	3352	15x4	188	639	185	5x16	6x8	2x8	2x8	1x8	1x8	16495	47540	13
-1800	3760	15x4	212	639	185	5x16	6x8	2x8	2x8	1x8	1x8	19010	55435	13
-2000	4184	15x4	212	671	193	5x16	6x8	2x8	2x8	1x8	1x8	20020	58920	13½
-2250	4700	15x5	212	797	185	5x20	6x10	2x10	2x10	1x10	1x10	23660	69195	13
-2500	5230	15x5	212	837	193	5x20	6x10	2x10	2x10	1x10	1x10	24920	73540	13½

- Total pump head required for cooling water circulation pump is the sum of condenser water pressure drop, piping friction loss and tower head.
- We reserve the right to make changes in the specifications and dimensions without notice.

LRC-H Series Selection Table

AMBIENT WET BULB		76°F								
RANGE °F		9			10			11		
GPM	°F	93	92	91	94	93	92	95	94	93
		84	83	82	84	83	82	84	83	82
MODEL										
100		238	210	182	221	194	169	208	181	158
125		300	264	229	277	245	213	259	229	200
150		360	318	276	334	295	257	312	276	241
175		421	372	324	391	346	302	366	324	283
200		480	423	368	445	393	342	416	368	321
225		539	475	412	499	440	383	466	412	359
250		600	529	459	555	490	427	519	459	400
300		720	636	552	668	590	514	624	552	482
350		842	744	648	782	692	604	732	648	566
400		960	846	736	890	786	684	832	736	642
450		1078	950	824	998	880	766	932	824	718
500		1200	1058	918	1110	980	854	1038	918	800
600		1440	1269	1104	1335	1179	1026	1248	1104	963
700		1617	1425	1236	1497	1320	1149	1398	1236	1077
800		1820	1692	1472	1780	1572	1368	1664	1472	1284
900		2156	1900	1648	1996	1760	1532	1864	1648	1436
1000		2400	2116	1836	2220	1960	1708	2076	1836	1600
1125		2695	2375	2060	2495	2200	1915	2330	2060	1795
1250		3000	2645	2295	2775	2450	2135	2595	2295	2000

AMBIENT WET BULB		77°F								
RANGE °F		9			10			11		
GPM	°F	94	93	92	95	94	93	96	95	94
		85	84	83	85	84	83	85	84	83
MODEL										
100		246	217	188	228	201	174	213	188	163
125		309	273	237	287	253	220	268	237	207
150		372	328	285	345	305	266	323	285	249
175		435	384	335	404	357	312	378	335	293
200		498	437	380	459	406	353	430	380	332
225		557	490	426	515	455	396	482	426	371
250		619	546	474	574	507	441	537	474	414
300		744	656	570	690	610	532	646	570	496
350		870	768	670	806	714	624	756	670	586
400		992	874	760	918	812	706	860	760	664
450		1114	980	852	1030	910	792	964	852	742
500		1238	1092	948	1148	1014	882	1074	948	828
600		1488	1311	1140	1377	1218	1059	1290	1140	996
700		1671	1470	1278	1545	1365	1188	1446	1278	1113
800		1984	1748	1520	1836	1624	1412	1720	1520	1328
900		2228	1960	1704	2060	1820	1584	1928	1704	1484
1000		2476	2184	1896	2296	2028	1764	2148	1896	1656
1125		2785	2450	2130	2575	2275	1980	2410	2130	1855
1250		3095	2730	2370	2870	2535	2205	2685	2370	2070

AMBIENT WET BULB		78°F								
RANGE °F		9			10			11		
GPM	°F	95	94	93	96	95	94	97	96	95
		86	85	84	86	85	84	86	85	84
MODEL										
100		255	224	194	236	207	180	220	194	169
125		319	282	245	296	262	228	277	245	214
150		384	339	295	356	315	274	333	295	258
175		449	397	346	417	369	322	391	346	303
200		512	452	393	475	419	365	444	393	343
225		575	507	440	533	470	409	498	440	383
250		640	564	490	593	523	456	554	490	428
300		768	678	590	712	630	548	666	590	516
350		898	794	692	834	738	644	782	692	606
400		1024	904	786	950	838	730	888	786	686
450		1150	1014	880	1066	940	818	996	880	766
500		1280	1128	980	1186	1046	912	1108	980	856
600		1536	1356	1179	1425	1257	1095	1332	1179	1029
700		1725	1521	1320	1599	1410	1227	1494	1320	1149
800		2048	1808	1572	1900	1676	1460	1776	1572	1372
900		2300	2028	1760	2132	1880	1636	1992	1760	1532
1000		2560	2256	1960	2372	2092	1824	2216	1960	1712
1125		2875	2535	2200	2665	2350	2045	2490	2200	1915
1250		3200	2820	2450	2965	2615	2280	2770	2450	2140

AMBIENT WET BULB		79°F								
RANGE °F		9			10			11		
GPM	°F	96	95	94	97	96	95	98	97	96
		87	86	85	87	86	85	87	86	85
MODEL										
100		263	231	201	243	215	186	227	201	175
125		330	291	253	306	270	236	286	253	221
150		396	350	305	368	325	284	344	305	266
175		463	410	357	430	381	333	403	358	313
200		529	466	406	490	433	378	459	406	355
225		594	523	455	550	486	423	515	455	397
250		661	583	507	612	541	471	573	507	442
300		792	700	610	736	650	568	688	610	532
350		926	820	714	860	762	666	806	716	626
400		1058	932	812	980	866	756	918	812	710
450		1188	1046	910	1100	972	846	1030	910	794
500		1322	1166	1014	1224	1082	942	1146	1014	884
600		1587	1398	1218	1470	1299	1134	1377	1218	1065
700		1782	1589	1365	1650	1458	1269	1545	1365	1191
800		2116	1864	1624	1960	1732	1512	1836	1624	1420
900		2376	2092	1820	2200	1944	1692	2060	1820	1588
1000		2644	2332	2028	2448	2164	1884	2292	2028	1768
1125		2970	2615	2275	2750	2430	2115	2575	2275	1985
1250		3305	2915	2535	3060	2705	2355	2865	2535	2210

LRC-LNS Series Selection Table

AMBIENT WET BULB		76°F								
RANGE °F		9			10			11		
GPM	°F	93	82	91	94	93	92	95	94	93
		84	83	82	84	83	82	84	83	82
MODEL		84	83	82	84	83	82	84	83	82
300		727	644	564	676	600	526	635	564	495
350		848	749	654	787	697	610	738	655	574
400		964	852	742	894	791	691	838	742	649
450		1099	979	861	1026	915	806	966	863	761
500		1226	1095	966	1147	1026	906	1082	969	857
600		1454	1288	1128	1352	1200	1052	1270	1128	990
700		1692	1498	1308	1574	1394	1220	1476	1310	1148
800		1928	1704	1484	1788	1582	1382	1676	1484	1298
900		2198	1958	1722	2052	1830	1612	1932	1726	1522
1000		2452	2190	1932	2294	2052	1812	2164	1938	1714
1200		2892	2556	2226	2682	2373	2073	2514	2226	1947
1350		3297	2937	2583	3078	2745	2418	2898	2589	2283
1500		3678	3285	2898	3441	3078	2718	3246	2907	2571
1600		3856	3408	2968	3576	3164	2764	3352	2968	2596
1800		4396	3916	3444	4104	3680	3224	3854	3452	3044
2000		4904	4380	3864	4588	4104	3624	4328	3876	3428
2250		5495	4895	4305	5130	4575	4030	4830	4315	3805
2500		6130	5475	4830	5735	5130	4530	5410	4845	4285

AMBIENT WET BULB		77°F								
RANGE °F		9			10			11		
GPM	°F	94	93	92	95	94	93	96	95	94
		85	84	83	85	84	83	85	84	83
MODEL		85	84	83	85	84	83	85	84	83
300		750	665	582	698	620	543	655	582	511
350		873	773	676	812	720	630	762	676	593
400		995	879	766	924	817	714	865	767	670
450		1133	1010	888	1068	944	832	997	890	786
500		1264	1129	896	1182	1058	935	1116	999	884
600		1500	1330	1164	1396	1240	1086	1310	1164	1022
700		1746	1546	1352	1624	1440	1260	1524	1352	1186
800		1990	1758	1532	1848	1634	1428	1730	1534	1340
900		2266	2020	1776	2116	1888	1664	1994	1780	1572
1000		2528	2258	1992	2364	2116	1870	2232	1998	1768
1200		2985	2637	2298	2772	2451	2142	2595	2301	2010
1350		3399	3030	2604	3174	2832	2486	2991	2670	2358
1500		3792	3387	2988	3546	3174	2805	3348	2997	2652
1600		3980	3516	3064	3696	3268	2856	3480	3068	2680
1800		4532	4040	3552	4232	3776	3328	3988	3560	3144
2000		5056	4516	3984	4728	4232	3740	4464	3996	3536
2250		5665	5050	4440	5290	4720	4160	4985	4450	3930
2500		6320	5645	4980	5910	5290	4675	5580	4995	4420

AMBIENT WET BULB		78°F								
RANGE °F		9			10			11		
GPM	°F	95	94	93	96	95	94	97	96	95
		86	85	84	86	85	84	86	85	84
MODEL		86	85	84	86	85	84	86	85	84
300		774	686	601	720	630	561	676	602	528
350		901	798	698	838	736	651	786	699	613
400		1027	908	792	954	838	737	894	792	693
450		1168	1041	916	1091	940	859	1028	919	811
500		1302	1164	1027	1219	1046	964	1150	1030	912
600		1548	1372	1202	1440	1257	1122	1352	1204	1056
700		1802	1596	1396	1676	1410	1302	1572	1398	1226
800		2054	1816	1584	1908	1676	1474	1788	1584	1386
900		2336	2082	1832	2182	1880	1718	2056	1838	1622
1000		2604	2328	2054	2438	2092	1928	2300	2080	1824
1200		3081	2724	2376	2862	2514	2211	2682	2376	2079
1350		3504	3123	2748	3273	2820	2577	3084	2757	2433
1500		3906	3492	3081	3657	3138	2892	3450	3090	2736
1600		4108	3632	3188	3816	3352	2948	3576	3168	2772
1800		4672	4164	3664	4364	3760	3436	4112	3676	3244
2000		5208	4656	4108	4876	4184	3856	4600	4120	3648
2250		5840	5205	4580	5455	4700	4295	5140	4595	4055
2500		6510	5820	5135	6095	5230	4820	5750	5150	4560

AMBIENT WET BULB		79°F								
RANGE °F		9			10			11		
GPM	°F	96	95	94	97	96	95	98	97	96
		87	86	85	87	86	85	87	86	85
MODEL		87	86	85	87	86	85	87	86	85
300		798	708	620	743	661	579	698	621	546
350		930	824	721	865	768	673	812	722	633
400		1060	938	818	985	872	762	923	819	716
450		1204	1074	945	1126	1005	886	1061	948	837
500		1342	1200	1059	1267	1125	995	1186	1063	941
600		1596	1416	1240	1488	1322	1158	1396	1242	1092
700		1860	1648	1442	1730	1536	1346	1624	1444	1266
800		2120	1876	1636	1970	1744	1524	1848	1638	1432
900		2408	2148	1890	2252	2010	1772	2122	1896	1674
1000		2684	2400	2118	2514	2250	1990	2372	2126	1882
1200		3180	2814	2454	2955	2616	2286	2769	2457	2148
1350		3612	3222	2835	3378	3015	2658	3183	2844	2511
1500		4026	3600	3177	3771	3375	2985	3558	3189	2823
1600		4240	3752	3272	3940	3488	3048	3692	3276	2864
1800		4816	4296	3780	4504	4020	3544	4244	3792	3348
2000		5368	4800	4236	5028	4500	3980	4744	4252	3764
2250		6020	5370	4725	5630	5025	4430	5305	4740	4185
2500		6710	6000	5295	6285	5625	4975	5930	5315	4705

Amcot Low Noise Cooling Tower

Characteristics

Integrated System Design

Amcot presents cross flow low noise rectangular type of LRC-H and LRC-LNS towers. Both are designed according to the international industry standards. The light weight structure and standardized components make transporting, lifting and site installation easy.

Low Noise & Easy Maintenance

A direct drive low noise motor is applied on LRC-H 100. From model LRC-H 125 to 250 & LRC-LNS 300 to 500, the V-belt type of belt reducer is used. Both types of drives utilize low noise axial flow fans that offer silent operation and easy maintenance.

Light Weight for Less Space/Multi-Cell Installation

Compared to other types of cooling towers, the LRC-H & LRC-LNS feature lighter operational weights and reduce space requirements. The Multi-cell design offers flexibility when it comes to cooling needs and is designed for fast and easy expansion.

Unique Distribution System & Efficient Heat Exchange

The gravitational distribution system offers lower pressure and slower water flow to prolong cooling duration and ensure cooling efficiency.

Efficient Performance

Unique design of vacuum-formed & rounded-chorded filling with ripple

surface facilitate even water distribution and increases duration of water drop that is free of deposits & scales at a low power consumption.

Low Electrical Power Consumption

The highly efficient hydrodynamic "Venturi-Tube" fan stacks and low-resistant filling sustains high CFM levels with smaller fan motors that save energy and money.

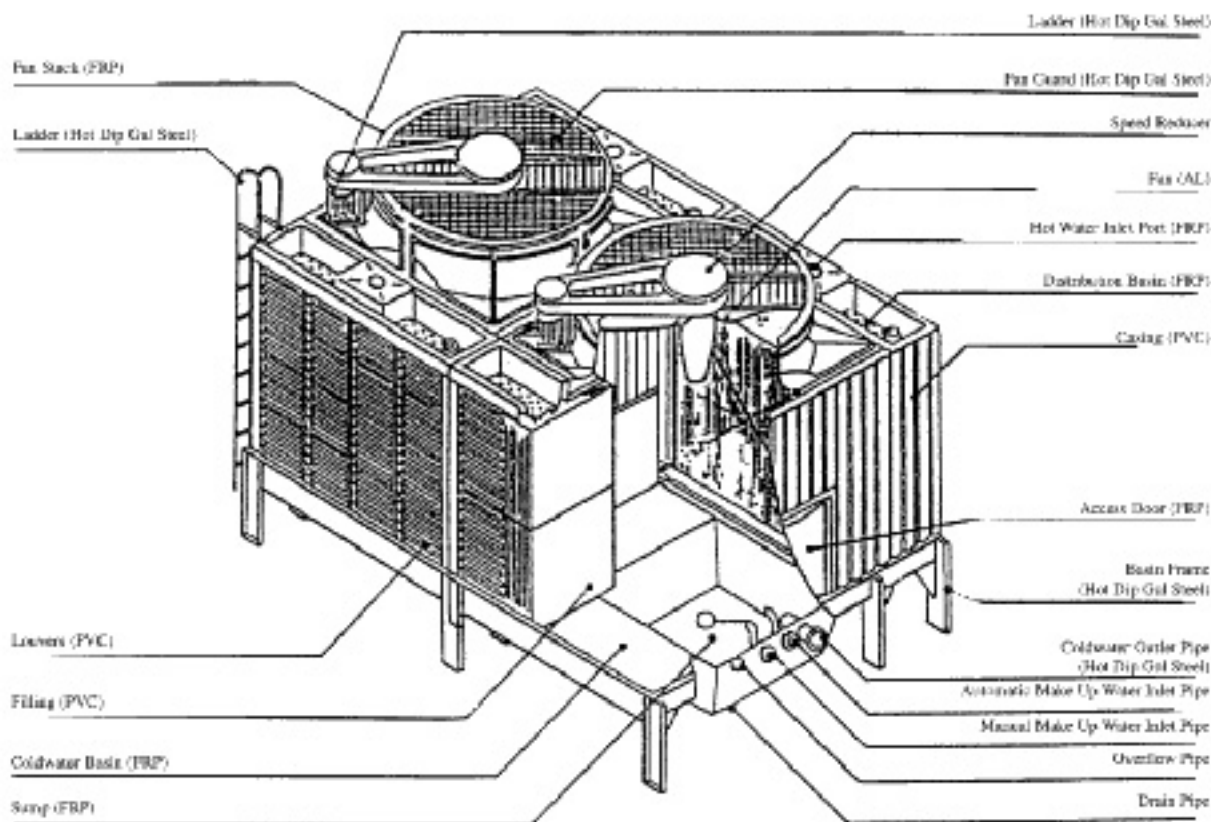
Durability and Low Maintenance Cost

LRC-H and LRC-LNS tower components are made of weather-proof and anti-corrosive materials. The anti-ultraviolet P.V.C. outercasing features sound-proof and non-decayed merits with a fine streamline appearance. Fan stack, basin and access door are made by F.R.P. Filling & inlet louvers are by P.V.C. and the supporting rack by light weight steel construction. All the steel parts are hot-dip-galvanized to ensure long term durability.

Easy Pipe Hookup Works & Low Installation Cost

All the piping connections are built at the basin for convenient installation. The inlet pipe connection lies over the distribution basin also providing easy pipe work. Pipe connection positions for the LRC-H-300 to 1250 and LRC-LNS-600 to 2500 meet the need for different site conditions that will reduce piping costs.

Structure and Standard Materials



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