

Model Explanation

LRTS - xxx L (UL) / S

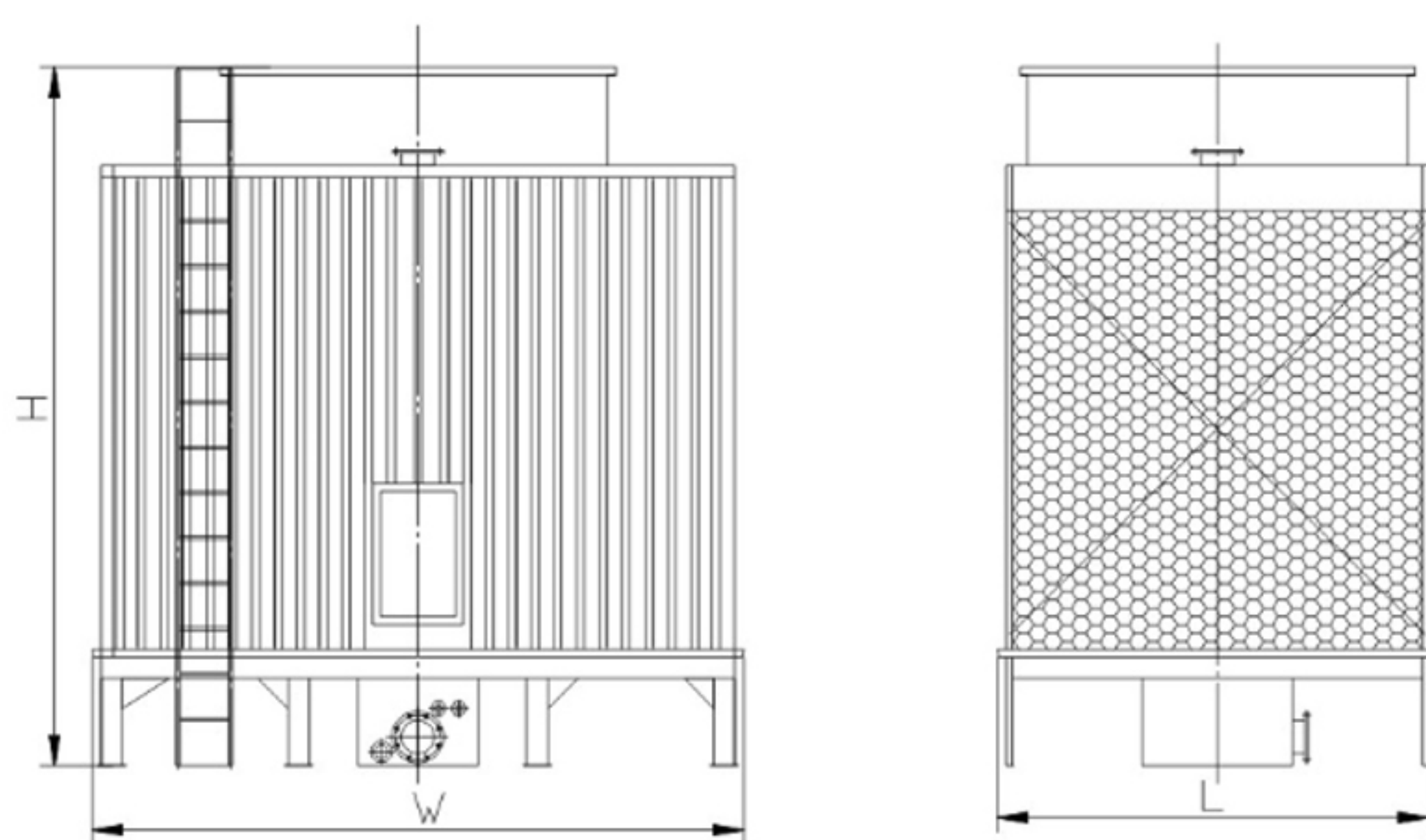
Square type crossflow cooling tower

Circulating water flow

Low noise type

Ultralow noise type

Single fan



Design condition

- Inlet water temperature: T1=37°C
- Outlet water temperature: T2=32°C
- Wet bulb temperature: TWB=28°C

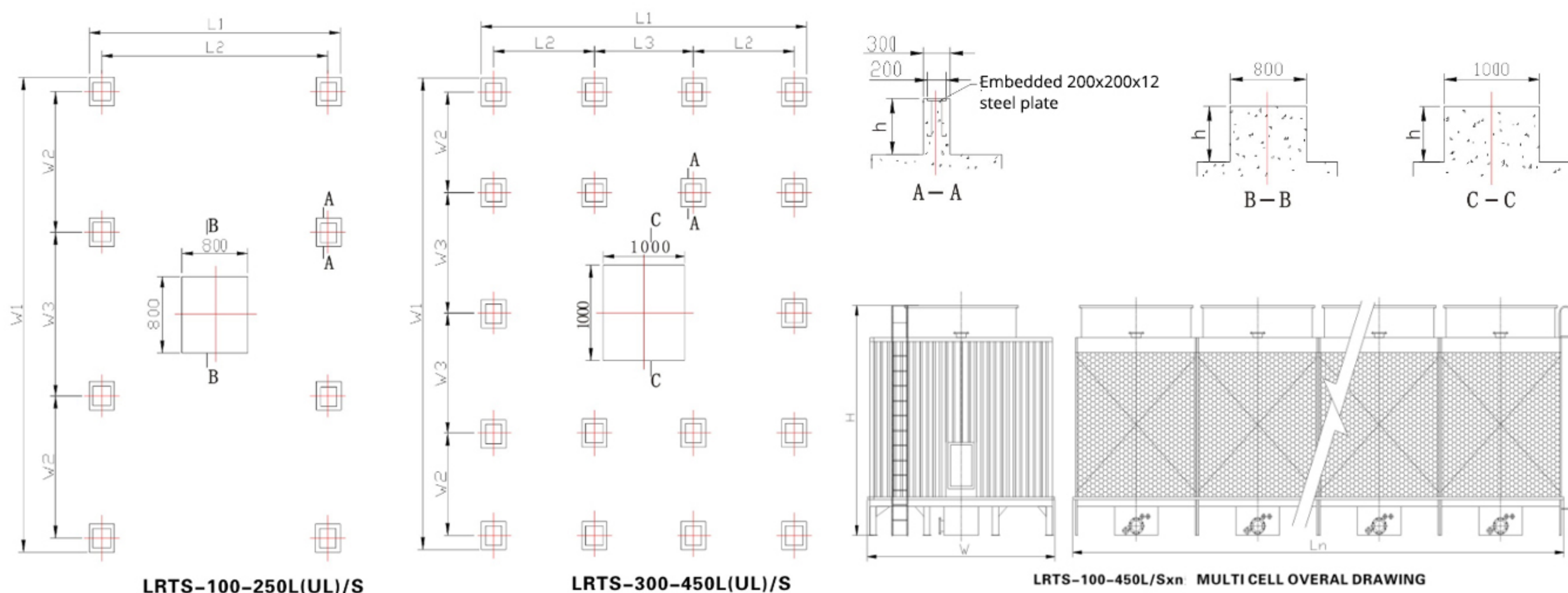
- Dry bulb temperature: T=31.5°C

Level Model	Overall dimension (mm)			Flow rate (m ³ /h)	Fan (φ) mm	Motor (Kw)	Weight (Kg)		Noise (dB)
	L	W	H				Net weight (DRY)	Running weight (Wet)	
LRTS-100L/S	2000	3250	3700	100	1470	3	1055	1670	58.5
LRTS-125L/S	2600	3550	3700	125	1800	4	1160	2680	59.5
LRTS-150L/S	3000	3850	3700	150	2100	4	1290	2890	60.5
LRTS-175L/S	3000	3850	4200	175	2100	5.5	1410	3210	61
LRTS-200L/S	3200	4130	4200	200	2400	5.5	1550	3640	61.5
LRTS-225L/S	3200	4130	4750	225	2400	5.5	1710	3800	61.5
LRTS-250L/S	2880	4890	4200	250	2400	7.5	2400	4600	62
LRTS-300L/S	3450	5480	4200	300	3000	11	2600	5660	62.5
LRTS-350L/S	3450	5480	4750	350	3000	11	2870	6000	63
LRTS-400L/S	4300	5890	4400	400	3330	15	3270	6710	63.5
LRTS-450L/S	4300	5890	4950	450	3330	15	3680	7370	63.8

Notes

- Listed above are technical parameters for a single fan cooling tower. Each model can be used individually or in a combination line.
- The head of cooling tower is almost equal to the tower height (H).

LRTS all-steel foundation dimension and piping system



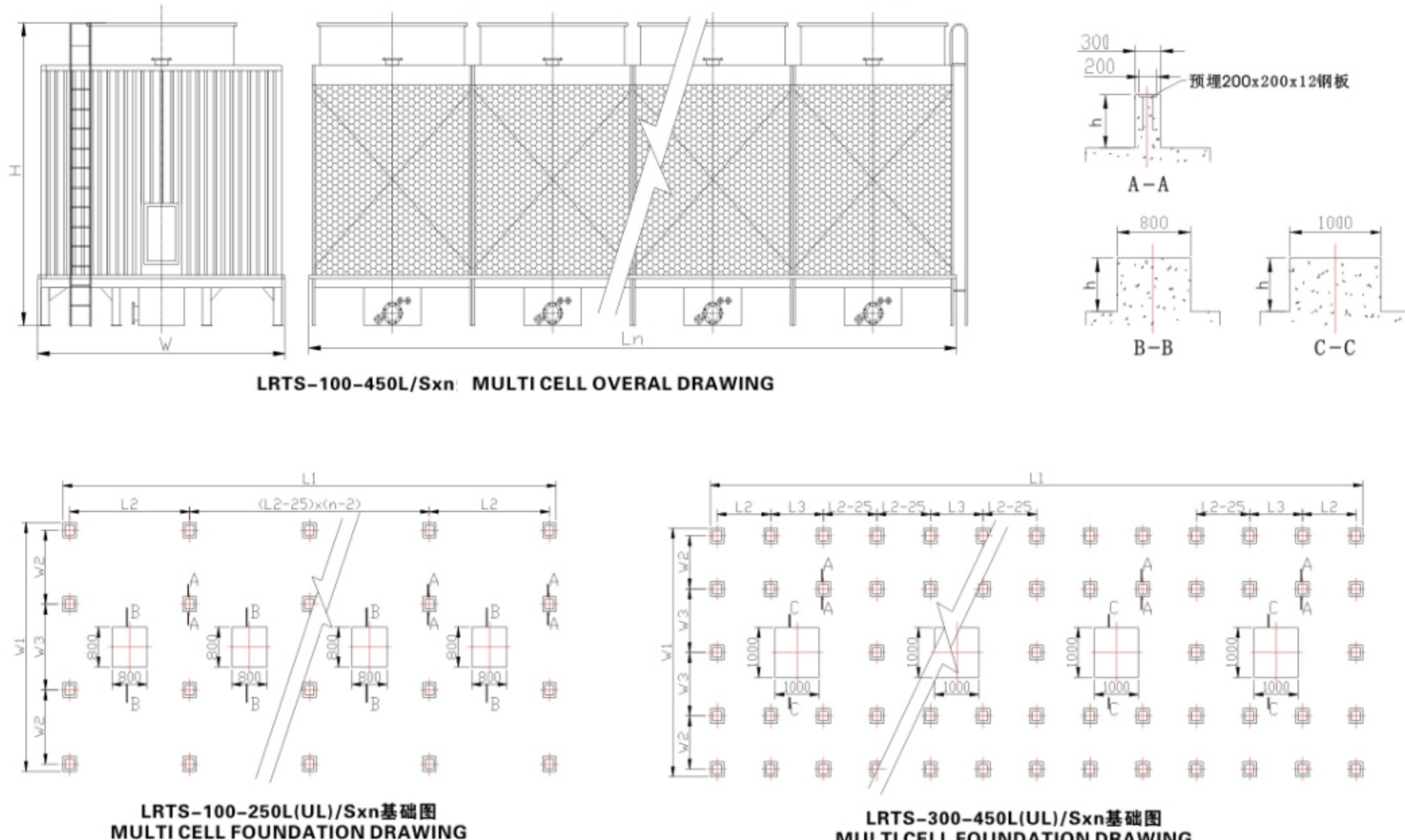
Foundation dimension and piping system

Level Model	Foundation Dimension							Piping Size					
	W1	W2	W3	L1	L2	L3	h	Water inlet pipe	Water outlet pipe	Overflow Of	Drain pipe Dr	Auto feed pipe Fv	Quick feed pipe Mm
LRTS-100L/S	3500	1065	1070	2250	1950	--	300	100×2	125	40	40	25	25
LRTS-125L/S	3800	1065	1370	2850	2550	--	300	100×2	150	50	50	25	25
LRTS-150L/S	4100	1065	1670	3250	2950	--	300	100×2	150	80	80	25	25
LRTS-175L/S	4100	1065	1670	3250	2950	--	300	125×2	150	80	80	25	25
LRTS-200L/S	4380	1065	1950	3450	3150	--	300	125×2	200	80	80	25	25
LRTS-225L/S	4380	1065	1950	3450	3150	--	300	125×2	200	80	80	40	40
LRTS-250L/S	5140	1445	1950	3130	2830	--	300	125×2	200	80	80	40	40
LRTS-300L/S	5730	1445	1270	3700	1135	1130	300	150×2	200	80	80	40	40
LRTS-350L/S	5730	1445	1270	3700	1135	1130	300	150×2	250	80	80	40	40
LRTS-400L/S	6140	1445	1475	4550	1420	1410	300	200×2	250	80	80	40	40
LRTS-450L/S	6140	1445	1475	4550	1420	1410	300	200×2	250	80	80	40	40

Remarks

- Each foundation and the supporting surface of the central cylinder are on the same horizontal plane, and the deviation of the elevation should be less than 5 mm.
- The height of the foundation should be determined by the diameter and installation height of the outlet manifold.

LRTS all-steel overall drawings and foundation drawings



N sets combined overall dimension and foundation dimension

Level Model	Overall dimension (mm)			Foundation Dimension (mm)						
	W	Ln	H	W1	W2	W3	L1	L2	L3	h
LRTS-100L(UL)/Sxn	3250	1900×n+100	3700	3500	1065	1070	1900×n+350	1925	—	300
LRTS-125L(UL)/Sxn	3550	2500×n+100	3700	3800	1065	1370	2500×n+350	2525	—	300
LRTS-150L(UL)/Sxn	3850	2900×n+100	3700	4100	1065	1670	2900×n+350	2925	—	300
LRTS-175L(UL)/Sxn	3850	2900×n+100	4200	4100	1065	1670	2900×n+350	2925	—	300
LRTS-200L(UL)/Sxn	4130	3100×n+100	4200	4380	1065	1950	3100×n+350	3125	—	300
LRTS-225L(UL)/Sxn	4130	3100×n+100	4750	4380	1065	1950	3100×n+350	3125	—	300
LRTS-250L(UL)/Sxn	4890	2780×n+100	4200	5140	1445	1950	2780×n+350	2805	—	300
LRTS-300L(UL)/Sxn	5480	3350×n+100	4200	5730	1445	1270	3350×n+350	1135	1130	300
LRTS-350L(UL)/Sxn	5480	3350×n+100	4750	5730	1445	1270	3350×n+350	1135	1130	300
LRTS-400L(UL)/Sxn	5890	4200×n+100	4400	6140	1445	1475	4200×n+350	1420	1410	300
LRTS-450L(UL)/Sxn	5890	4200×n+100	4950	6140	1445	1475	4200×n+350	1420	1410	300

Remarks

- The number of cooling towers assembled is indicated by "n" in the table and drawings above.
- Each foundation and the supporting surface of the central cylinder are on the same level, and the elevation deviation should be less than 5 mm.
- The height of the foundation should be determined by the diameter and installation height of the outlet manifold.