NS® COOLING TOWER

NS-SMTE SERIES

HIGH EFFICIEN & LOW NOISE

Product By

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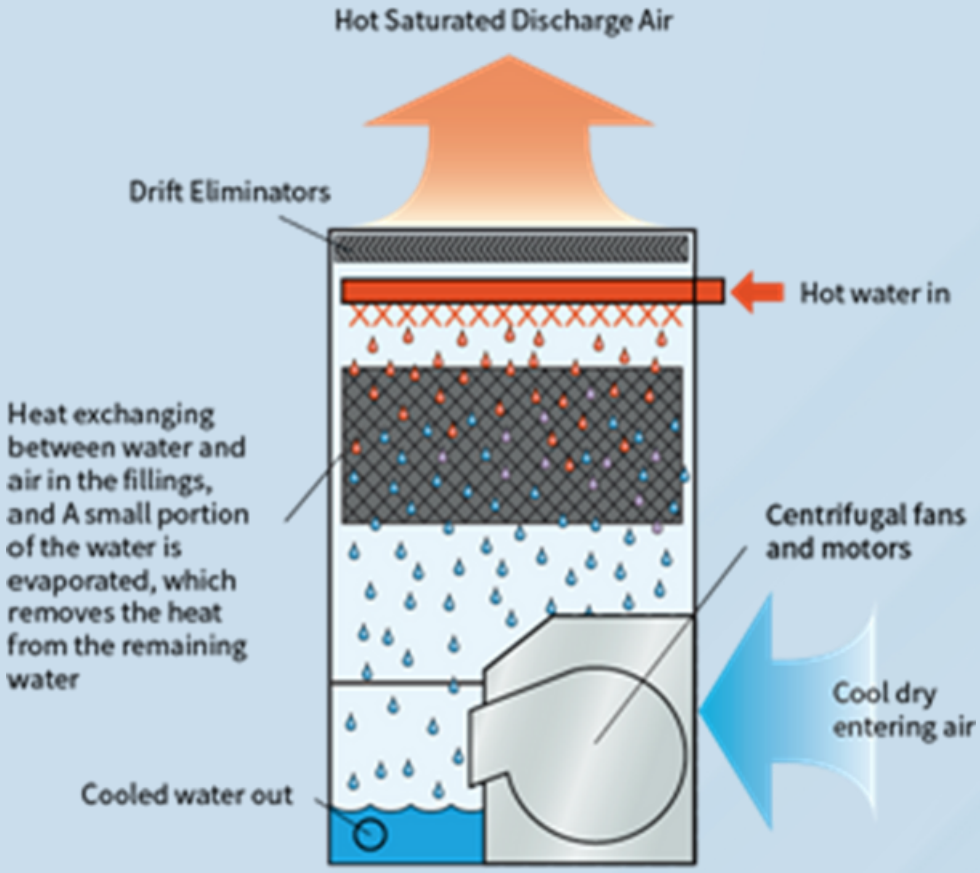
NS-SMTE Series

NS® COOLING TOWER

forced-draft, counter-flow open cooling tower



·The NS-SMTE Open Cooling Tower adopts a modular design of forced draft centrifugal fans and air intake on the bottom side. All series has obtained CTI thermal performance certification, and at standard conditions, can handle a water flow rate from 30 T/h to 1100 T/h for a single unit.

·The standard configuration includes a Z-700 (G235) hot-dip galvanized steel panels, aviation-grade aluminum alloy fans, and patented fire-resistant filling. Optional features include super low sound fans, high-temperature fillings, stainless steel panels and beam frames, and maintenance platforms with safety cages, etc.

·Suitable for applications such as large commercial buildings' center air-conditions system, industrial process water cooling, and data-center refrigeration, especially in restricted area.

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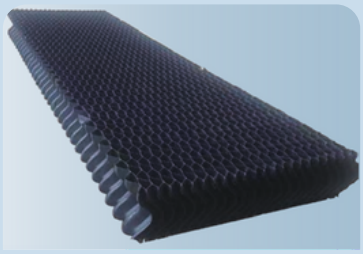
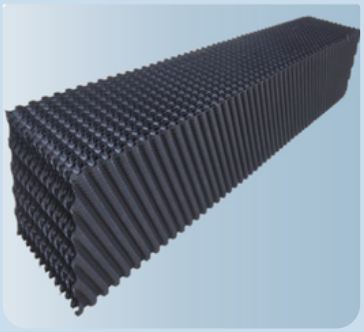
Feature Forced-draft, counter-flow open cooling tower





Filling

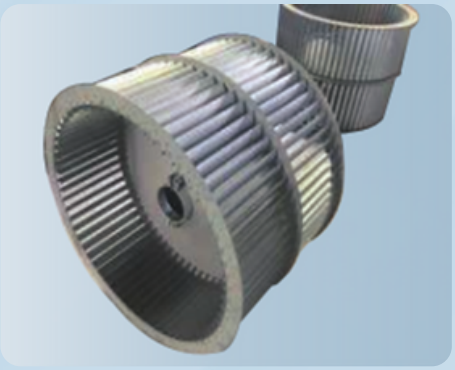
- High-efficiency heat exchange fills are used in forced-air cooling towers.
- PVC The filler was tested according to ASTM-E84-18a
- Maximum water temperature of 55 Deg.C

Drift Eliminator

- PVC Drift LOSS 0.001%

Centrifugal fan

- hot-dip galvanized steel structure.
- centrifugal forward curve , double width double inlet (DWDI) design



Fan motor

- Totally Enclosed Fan Motor (TEFC)
- installed in an open area for easy belt tensioning

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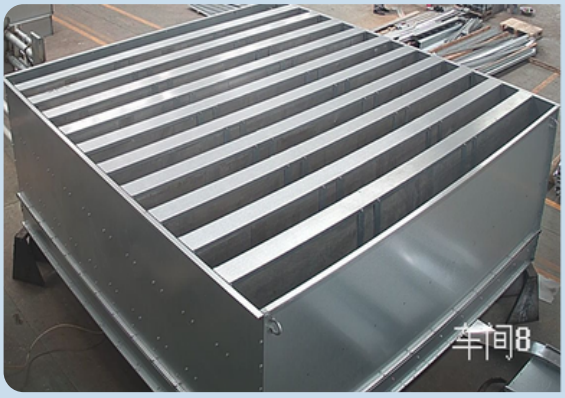
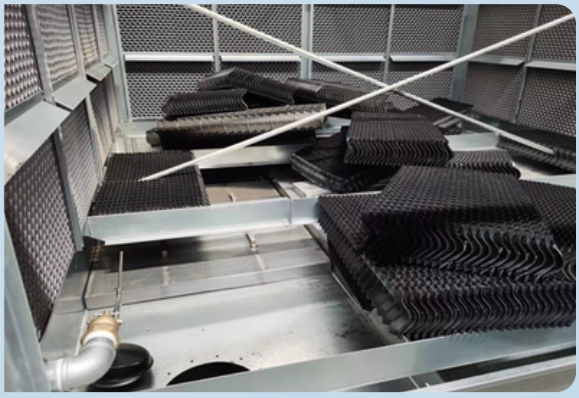
Noise reduction solutions

Ultra-low noise fan, using Howden ultra-low noise cooling tower fan, the overall noise is reduced by 10-15dB (A).



Outlet muffler



Noise-cancelling water blanket

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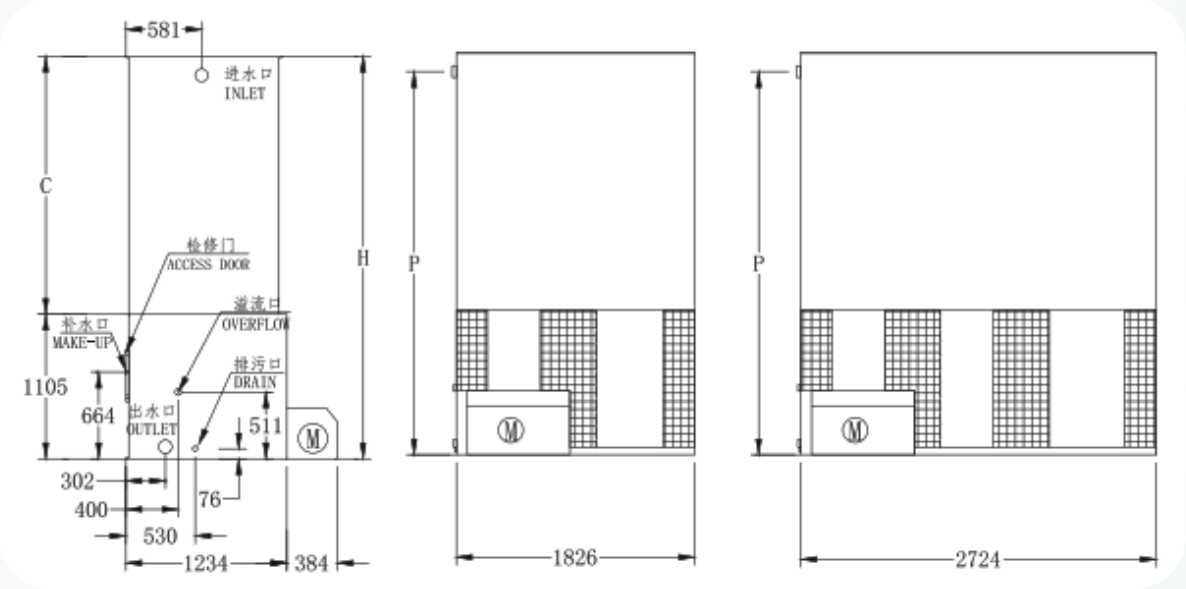

NS-SMTE Series

NS-SMTE 416 - 439

Model	Flow Rate (L/S)	Motor (kW)	Diameter (mm)								Diff Loss %
			H	P	C	Inlet	Outlet	Auto	Drain	Overflow	
NS-SMTE 416	7.8	1.5	2648	2407	1543	100	100	25	50	80	0.001
NS-SMTE 426	9.1	2.2	2648	2407	1543	100	100	25	50	80	0.001
NS-SMTE 436	10.9	4.0	2648	2407	1543	100	100	25	50	80	0.001
NS-SMTE 446	12.6	5.5	2648	2407	1543	100	100	25	50	80	0.001
NS-SMTE 456	13.8	5.5	2953	2711	1848	100	100	25	50	80	0.001
NS-SMTE 466	15.1	7.5	2953	2711	1848	100	100	25	50	80	0.001
NS-SMTE 419	16.5	5.5	2648	2407	1543	100	100	25	50	80	0.001
NS-SMTE 429	18.3	7.5	2648	2407	1543	100	100	25	50	80	0.001
NS-SMTE 439	20.1	7.5	2953	2711	1848	100	100	25	50	80	0.001

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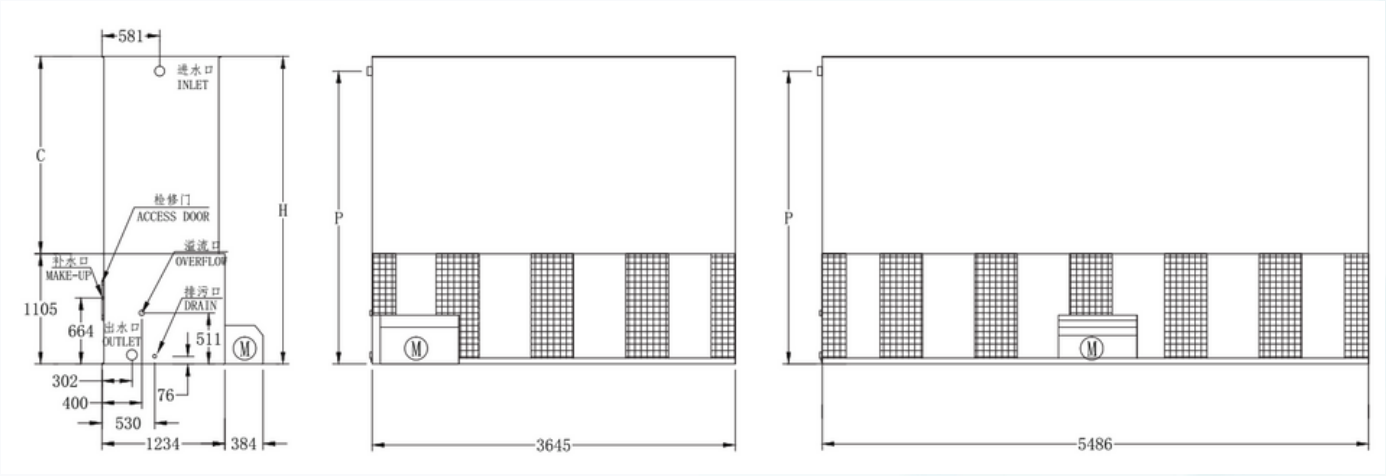
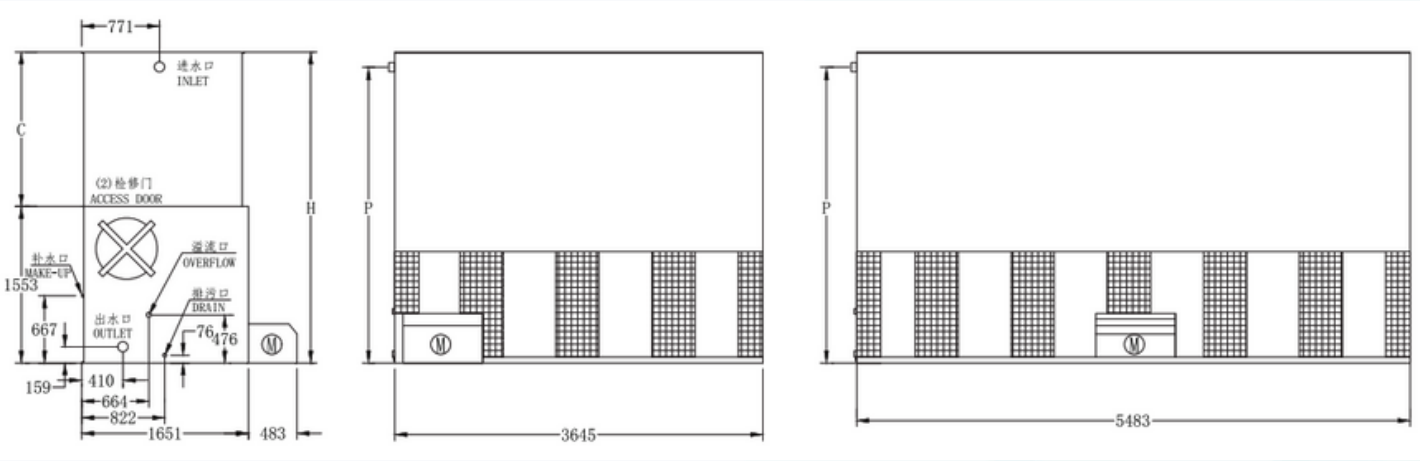


NS-SMTE Series

NS-SMTE 4112 - 4518

Model	Flow Rate (L/S)	Motor (kW)	Diameter (mm)								Diff Loss %
			H	P	C	Inlet	Outlet	Auto	Drain	Overflow	
NS-SMTE 4112	22.3	7.5	2702	2435	1597	150	150	25	50	80	0.001
NS-SMTE 4212	24.6	7.5	3007	2740	1902	150	150	25	50	80	0.001
NS-SMTE 4312	25.9	7.5	3312	3045	2207	150	150	25	50	80	0.001
NS-SMTE 4412	28.1	11	3007	2740	1902	150	150	25	50	80	0.001
NS-SMTE 4512	29.4	11	3312	3045	2207	150	150	25	50	80	0.001
NS-SMTE 4612	32.1	15	3312	3045	2207	150	150	25	50	80	0.001
NS-SMTE 4118	37.4	15	2702	2435	1597	150	150	25	50	80	0.001
NS-SMTE 4218	41.0	15	3007	2740	1902	150	150	25	50	80	0.001
NS-SMTE 4318	44.1	18.5	3007	2740	1902	150	150	25	50	80	0.001
NS-SMTE 4418	46.0	18.5	3312	3045	2207	150	150	25	50	80	0.001
NS-SMTE 4518	48.6	22	3312	3045	2207	150	150	25	50	80	0.001

NS® COOLING TOWER



NS-SMTE Series

NS-SMTE 5112 - 5718

Model	Flow Rate (L/S)	Motor (kW)	Diameter (mm)								Diff Loss %
			H	P	C	Inlet	Outlet	Auto	Drain	Overflow	
NS-SMTE 5112	36.4	15	3223	2953	1670	150	150	25	50	80	0.001
NS-SMTE 5212	40.0	15	3527	3258	1975	150	150	25	50	80	0.001
NS-SMTE 5312	42.9	18.5	3527	3258	1975	150	150	25	50	80	0.001
NS-SMTE 5412	44.7	18.5	3832	3562	2280	150	150	25	50	80	0.001
NS-SMTE 5512	47.3	22	3832	2953	2280	150	150	25	50	80	0.001
NS-SMTE 5118	51.5	18.5	3223	2953	1670	150	150	50	50	80	0.001
NS-SMTE 5218	54.9	22	3223	2953	1670	150	150	50	50	80	0.001
NS-SMTE 5318	60.5	30	3223	2953	1670	150	150	50	50	80	0.001
NS-SMTE 5418	60.2	22	3527	2953	1975	150	150	50	50	80	0.001
NS-SMTE 5518	66.0	30	3527	3258	1975	150	150	50	50	80	0.001
NS-SMTE 5618	68.8	30	3832	3562	2280	150	150	50	50	80	0.001
NS-SMTE 5718	73.6	37	3832	3562	2280	150	150	50	50	80	0.001

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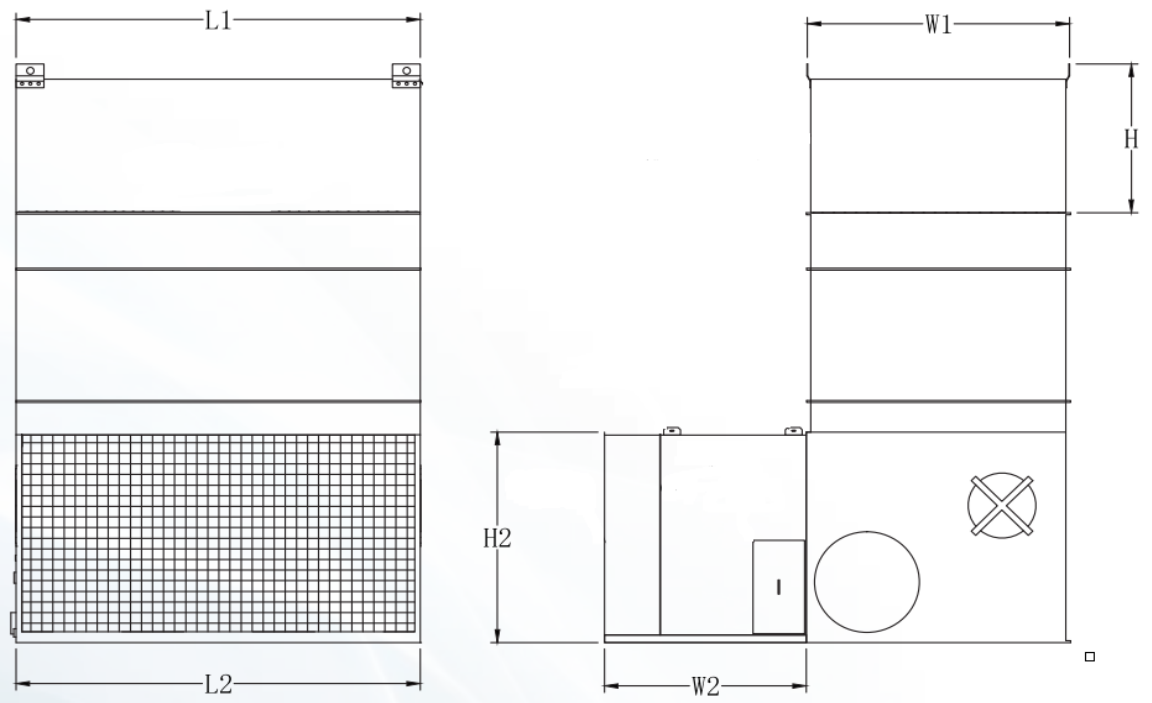

Model	Diameter (mm)						Weight (Kg)	
	W1	W2	L1	L2	H1	H2	Dry	Operating
NS-SMTE 416	1156	1813	1823	1921	1191	1010	745	1045
NS-SMTE 426	1156	1813	1823	1921	1191	1010	755	1055
NS-SMTE 436	1156	1813	1823	1921	1191	1010	760	1060
NS-SMTE 446	1156	1813	1823	1921	1191	1010	785	1085
NS-SMTE 456	1156	1813	2724	1921	1191	1010	815	1115
NS-SMTE 466	1156	1813	2724	1921	1191	1010	820	1120
NS-SMTE 419	1156	1813	2724	2819	1191	1010	1030	1490
NS-SMTE 429	1156	1813	2724	2819	1191	1010	1035	1495
NS-SMTE 439	1156	1813	2724	2819	1191	1010	1050	1510
NS-SMTE 4112	1156	1813	3645	3740	1191	1010	1330	1925.0
NS-SMTE 4212	1156	1813	3645	3740	1191	1010	1410	2005.0
NS-SMTE 4312	1156	1813	3645	3740	1191	1010	1495	2090.0
NS-SMTE 4412	1156	1813	3645	3740	1191	1010	1470	2065.0
NS-SMTE 4512	1156	1813	3645	3740	1191	1010	1555	2150.0
NS-SMTE 4612	1156	1813	3645	3740	1191	1010	1585.0	2175.0
NS-SMTE 4118	1156	1813	5486	5582	1191	1010	1965.0	2870.0

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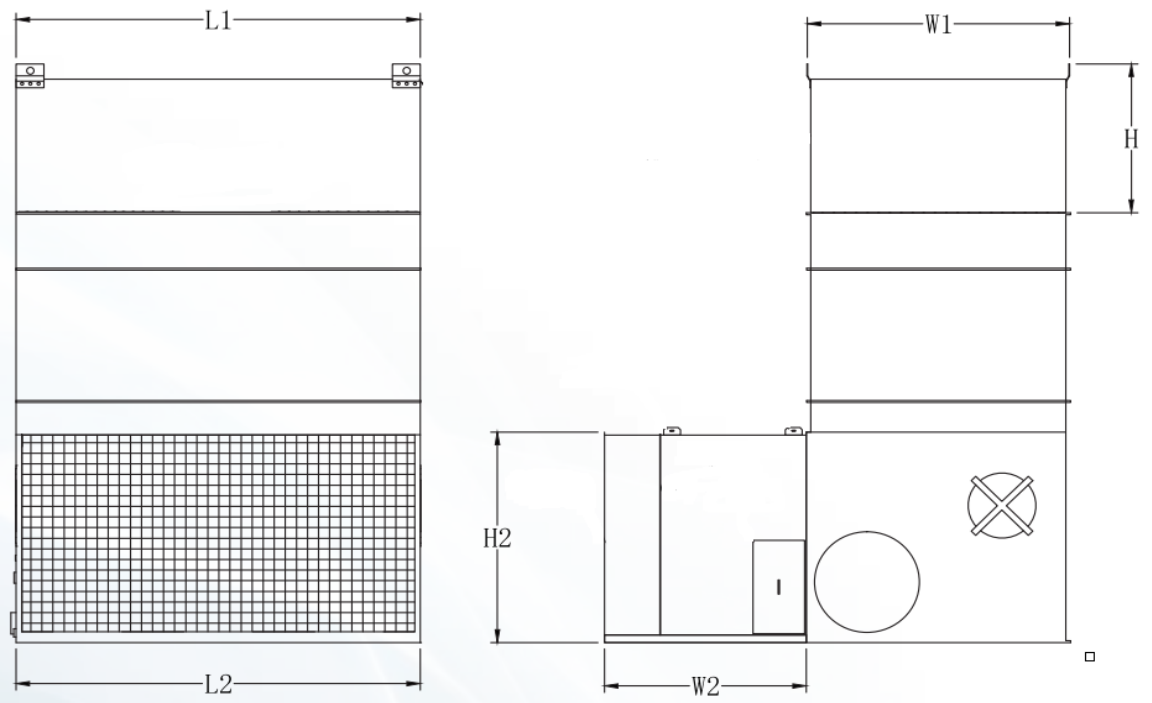

Model	Diameter (mm)						Weight (Kg)	
	W1	W2	L1	L2	H1	H2	Dry	Operating
NS-SMTE 4218	1156	1813	5486	5582	1191	1010	2085.0	2995.0
NS-SMTE 4318	1156	1813	5486	5582	1191	1010	2100.0	3005.0
NS-SMTE 4418	1156	1813	5486	5582	1191	1010	2225.0	3135.0
NS-SMTE 4518	1156	1813	5486	5582	1191	1010	2250.0	3135.0
NS-SMTE 5112	1572	1816	3645	3740	1194	1175	1875.0	2835.0
NS-SMTE 5212	1572	1816	3645	3740	1194	1175	1980.0	2945.0
NS-SMTE 5312	1572	1816	3645	3740	1194	1175	1995.0	2955.0
NS-SMTE 5412	1572	1816	3645	3740	1194	1175	2105.0	3065.0
NS-SMTE 5512	1572	1816	3645	3740	1194	1175	2125.0	3090.0
NS-SMTE 5118	1572	1816	5486	5582	1194	1175	2710.0	4155.0
NS-SMTE 5218	1572	1816	5486	5582	1194	1175	2730.0	4180.0
NS-SMTE 5318	1572	1816	5486	5582	1194	1175	2805.0	4250.0
NS-SMTE 5418	1572	1816	5486	5582	1194	1175	2890.0	4335.0
NS-SMTE 5518	1572	1816	5486	5582	1194	1175	2960.0	4410.0
NS-SMTE 5618	1572	1816	5486	5582	1194	1175	3120.0	4570.0
NS-SMTE 5718	1572	1816	5486	5582	1194	1175	2125.0	4570.0

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