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DMNC Counter Flow, Induced Draft, Closed Cooling Tower

Design Information





I. Outline of models

Hot、Cold Water Temperature (37℃-32℃)

Model	Water Flow (m ³ /h)	Cooling Capacity (KW)	Appearance Foundation					Fan Diameter (mm)	Motor Power (KW)	Head Loss in Pipe (Kpa)	Power of Spray Pump (KW)	Product Weight (Kg)	Operation Weight (Kg)	dB(A) Dm Noise
			L (mm)	W (mm)	H (mm)	H1 (mm)	H2 (mm)							
DMNC-36/12-25	32	186	2200	2500	4050	1475	1380	1500	3.0	27.6	2.2	2080	3980	65
DMNC-42/12-28	42	244	2500	2800	4400	1710	1420	2000	4.0	37.1	2.2	2550	4750	66
DMNC-48/12-32	55.2	321	2800	3200	4750	1910	1470	2200	5.5	52.9	3.0	3100	5750	66
DMNC-54/12-36	70.2	408	3200	3600	4950	1910	1520	2400	5.5	72.3	3.0	3770	6970	67
DMNC-60/12-40	87	506	3500	4000	5250	2120	1560	2800	7.5	95.6	4.0	4350	8100	67.5
DMNC-76/10-44	101.4	589	4400	4400	5250	2120	1500	3400	7.5	74.0	5.5	5160	9830	68

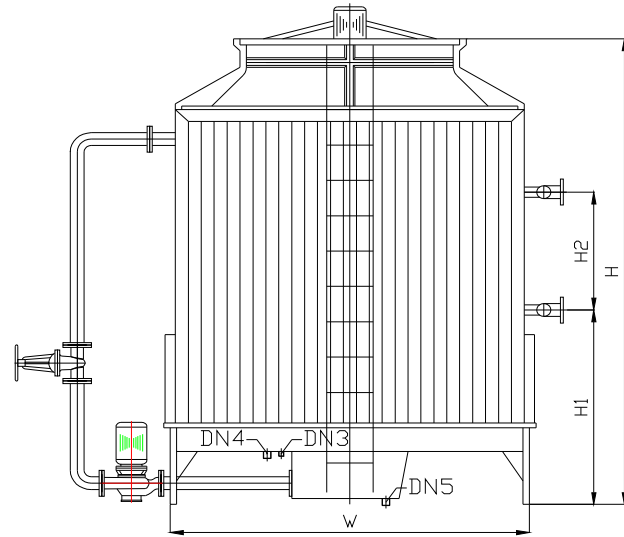
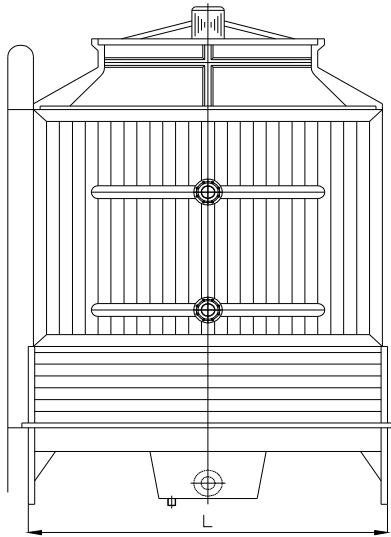


II. Drawing parameter

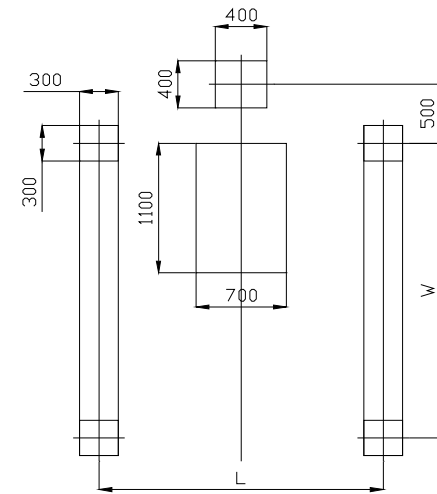
Model	Foundation		Water Inlet DN1 (mm)	Water Outlet DN2 (mm)	Auto Make-up DN3 (mm)	Over Flow DN4 (mm)	Drain DN5 (mm)
	L (mm)	W (mm)					
DMNC-36/12-25	2200	2500	100	100	25	50	50
DMNC-42/12-28	2500	2800	100	100	25	50	50
DMNC-48/12-32	2800	3200	2×100	2×100	25	50	50
DMNC-54/12-36	3200	3600	2×100	2×100	25	50	50
DMNC-60/12-40	3500	4000	2×100	2×100	25	50	50
DMNC-76/10-44	4400	4400	2×125	2×125	25	50	50

Design condition of cooling tower: Atmospheric pressure is 99400Pa, Air temperature is 31.5°C, Wet bulb temperature is 28°C.

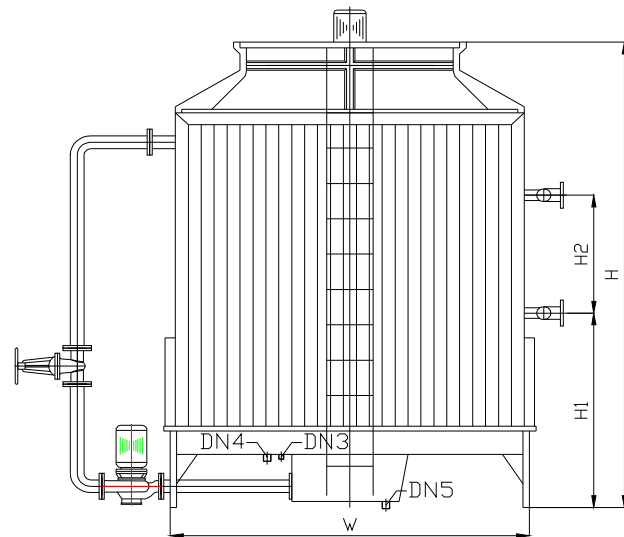
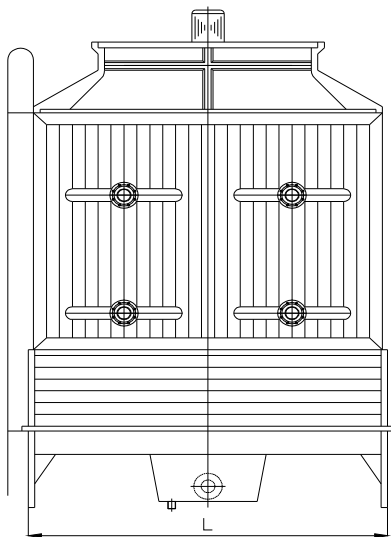
III. Drawing



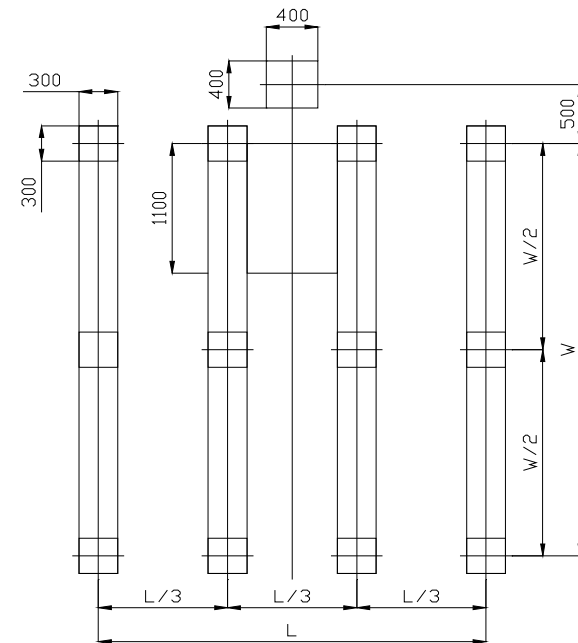
outlet
DN2
inlet
DN1



DMNC-36/12-25 42/12-28



outlet
DN2
inlet
DN1



DMNC-48/12-32 54/12-36 60/12-40 76/10-44