

## Model Description

# NRT

*counter flow round  
type cooling tower*

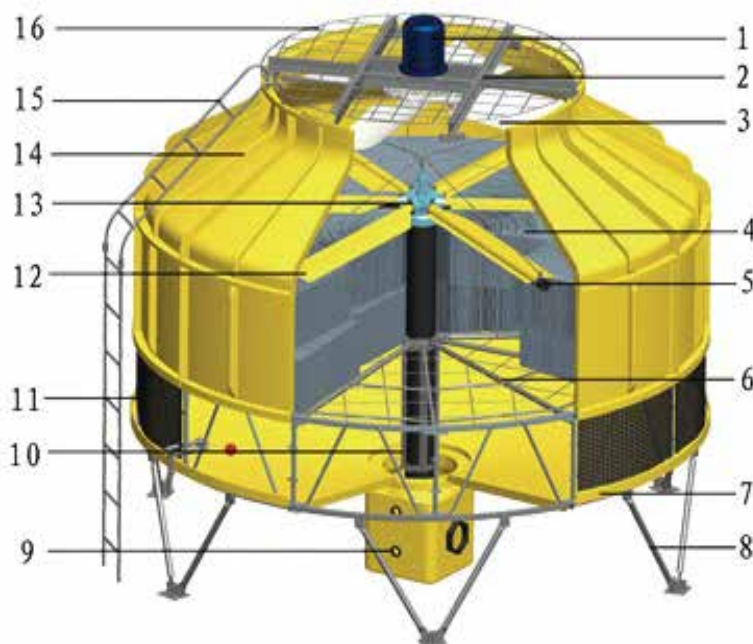
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*cooling capacity*

- High efficiency, save energy to the largest extent
- Fit with various environment changes in different industries
- Better solved the problem that environment changes affect of the cooling tower
- Matched equipment running normally
- Completely comply with national standards

## Structure



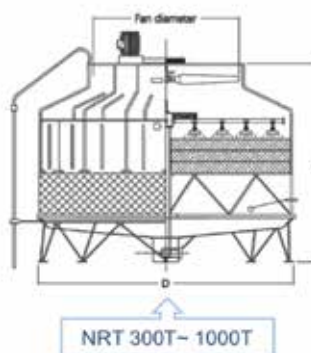
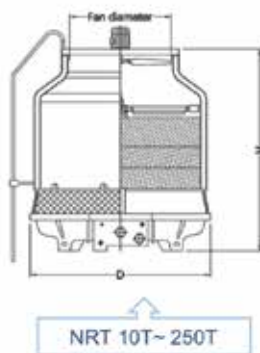
1. Motor (TEFC)
2. Motor support
3. Fan
4. Infill
5. Distribution pipe
6. Infill support
7. Water basin
8. Tower support
9. Suction tank
10. Pipe position
11. Air inlet support
12. Drift eliminator
13. Sprinkler head
14. Casing
15. Ladder
16. Fan Guard

## Optional Accessories

- ◆ Noise reduction upgrade
- ◆ Vibration isolator & rubber mat
- ◆ High- temperature upgrade
- ◆ Anti- Freeze heater
- ◆ Stainless steel framework / bolts and nuts (304/316)



Item Model	Water flow (m³/h)	Dimension (mm)		Fan		Air Flow (cmm)	Water Pressure (Kpa)	Weight (kg)		Noise dB(A)
		Diameter	Height	Diameter (mm)	Motor (Kw)			Wet	Dry	
NRT-8	6.2	945	1380	525	0.18	70	12	42	108	53.0
NRT-10	7.8	945	1530	600	0.18	85	14	46	190	53.5
NRT-15	11.7	1195	1415	600	0.37	140	12	54	290	53.5
NRT-20	15.6	1195	1590	730	0.55	160	16	67	300	53.5
NRT-25	19.5	1400	1820	730	0.75	200	16	98	500	54.0
NRT-30	23.4	1650	1705	730	0.75	230	15	116	530	54.0
NRT-40	31.2	1650	1775	890	1.5	280	16	130	550	54.0
NRT-50	39.2	1830	1835	890	1.5	330	16	190	975	54.0
NRT-60	46.8	2145	1955	1150	1.5	420	17	240	1250	54.5
NRT-80	62.6	2145	2035	1150	1.5	450	18	260	1280	55.0
NRT-100	78.1	2900	2370	1410	2.2	700	17	500	1690	55.0
NRT-125	97.5	2900	2555	1410	2.2	830	19	540	1640	56.0
NRT-150	117	2900	2555	1410	2.2	950	22	580	1680	56.5
NRT-175	136.8	3310	2165	1750	4	1150	22	860	1960	56.5
NRT-200	156.2	3310	2165	1750	4	1250	23	880	1980	57.0
NRT-225	175.5	4120	3530	2100	5.5	1500	24	1050	2270	57.0
NRT-250	195.1	4120	3530	2100	5.5	1750	26	1080	2800	58.0
NRT-300	234	4730	3680	2400	7.5	2000	24	1760	3930	59.0
NRT-350	273.2	4730	3680	2400	7.5	2200	26	1800	3790	60.0
NRT-1400	312.1	5600	3840	2745	11	2400	27	2840	5740	61.0
NRT-500	392.4	5600	3840	2745	15	2600	28	2900	5800	61.0
NRT-600	458	6600	4470	3400	15	3750	32	3950	9350	61.5
NRT-700	547.2	6600	4470	3400	18.5	3750	33	4050	9450	62.0
NRT-800	626.4	7600	2720	3700	22	5000	32	4700	11900	62.5
NRT-1000	781.2	7600	4720	3700	22	5400	33	4900	12100	63.0



### Design Conditions

- Entrance temp.  $t_1 = 37^\circ\text{C}$
- Leaving temp.  $t_2 = 32^\circ\text{C}$
- Wet bulb temp.  $t_{wb} = 28^\circ\text{C}$
- Dry bulb temp.  $t_{db} = 31.5^\circ\text{C}$
- Atmospheric pressure
- $P_0 = 9.94 \times 10^4 \text{ Pa}$

Capacity (TR)	10	20	30	40	50	60	80	100	125	150	175	200	250	300	350	400	500
Intel (mm)	40	40	76	76	76	76	100	100	125	150	150	150	200	200	200	200	250
Outlet (mm)	40	40	76	76	76	76	100	100	125	150	150	150	200	200	200	200	250
Overflow (mm)	19	19	19	19	19	19	19	25	25	25	25	25	40	40	50	50	50
Drain (mm)	19	19	19	19	19	19	19	25	25	25	25	25	40	40	50	50	50
Float Valve (mm)	12	12	19	19	19	19	19	19	19	25	25	25	40	40	40	40	40
Makeup (mm)	19	19	19	19	19	19	19	19	19	19	19	19	40	40	50	50	50

**Note:** The above specifications are subjected to change according to the requirement, brand, availability and other variables