

Condensing Turbine Basic Data Sheet																													
Models	1.5MW-1.275	1.5MW-1.275-1	1.5MW-2.35	1.5MW-3.43	2MW-1.275	2.2MW-1.7	2.6MW-0.98	T03MW-0.98	3MW-1.27	3MW-1.275	3MW-2.35	3MW-2.35-5	3MW-3.43	3MW-3.43-1	3.3MW-1.25	4.5MW-1.25	4.5MW-3.43	T04.5MW-3.43	6MW-3.43	7.5MW-3.43-1	7.5MW-3.43	12MW-3.43	15MW-3.43	25MW-3.43	30MW-3.43	50MW-8.82	60MW-8.82		
Rated power (kw)	1500	1500	1500	1500	3000	2100	2600	3000	3000	3000	3000	3000	3000	3000	3300	4500	4500	4500	6000	7500	7500	12000	15000	25000	30000	50000	60000		
Rated speed (r/min)	5600/3000	5600/1500	5600/3000	5600/3000	5600/3000	6063	5600/3000	5600/7581	5600/3000	5600/3000	5600/3000	5600/3000	5600/3000	5600/3000	5600/3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000		
Inlet pressure(MPa)	1.27	1.27	2.35	3.43	1.27	1.7	0.98	0.98	1.25	1.27	2.35	2.35	3.43	3.43	1.25	1.25	3.43	3.43	3.43	3.43	3.43	3.43	3.43	3.43	3.43	8.82	8.82		
Inlet temperature(℃)	340	280	390	435	315	208	240	305	340	280	390	390	435	435	290	310	435	435	435	390	435	435	435	435	435	535	535		
Steam intake(t/h)	8.895	10.4	8.4	7.84	11.8	16.35	20	18.84	21	21	16.1	16.1	14.85	17	20.3	24.5	20	20.9	28.5	40.95	36.78	56	70	109.6	121.08	191	218.48		
Feed water temperature(℃)	105	105	105	105			105		105	105	105	105	104	104			104	150		140			159	170	104				
Vapor consumption(kg/kw·h)	5.93	6.927	5.6	5.225	5.899	7.79	7.69	6.28	7	7	5.16	5.16	4.95	5.67	6.15	5.426	4.44	4.628	4.76	5.46	4.903	4.568	4.667	4.384	4.036	3.82	3.641		
Exhaust pressure(MPa)	0.0085	0.0086	0.0103	0.0103	0.0085	0.0147	0.008	0.0105	0.0104	0.0104	0.0103	0.0103	0.0103	0.0103	0.008	0.008	0.00814	0.0082	0.0081	0.00816	0.008	0.00686	0.00834	0.00585	0.006	0.0049	0.0049		
Layout form	Single-layer	Single-layer	Single-layer	Single-layer	Single-layer	Single-layer	Double-layer	Double-layer	Single-layer	Single-layer	Single-layer	Double-layer	Single-layer	Single-layer	Double-layer	Double-layer	Double-layer	Double-layer	Double-layer	Double-layer	Double-layer	Double-layer	Double-layer	Double-layer	Double-layer	Double-layer	Double-layer		
Main valve diameter(mm) Import/Export	125/125	125/125	125/125	125/125	150/150	125/125	150/150	150/150	150/150	150/150	125/125	125/125×2	125/125	125/125	150/150	250/200×2	150/150×2	150/150×2	150/150×2	150/150×2	150/150×2	300/200×2	300/200×2	300/300	300/300	233/183×2	300/140×2		
Exhaust port diameter(mm)	80	80	80	80	—	80	100		100	100	80	80	80	80	100	80	80	80	80				125	150	150	108	133		
Exhaust port diameter(mm)	850	850	850	850	850	850	850	850	850	850	850	850	850	850	850	1100	1100	1100	1100	2000×1350	1100	2000×1350	2000×1350	3500×1750	3500×1750	2250×5300	2250×5300		
Turbine weight(t) Body/rotor	22.1/1.0	22.1/1.0	25.1/1.1	25.1/1.1	25.1/1.09	4.9/0.774	10/1.1	10/1.1	25.1/1.09	10/1.1	25.1/1.1	25.1/1.1	25.9/1.1	25.9/1.1	10/1.1	17/2.89	17/1.824	17/2.89	17/2.89	45/6.45	17/2.89	45.3/6.45	45.3/6.45	69/10.53	69/10.53	127/18.6	129/19		
Maximum lifting weight(t)	3.442	3.442	3.442	3.442	3.1	2	4	4	3.1	3.1	3.442	3.5	3.1	3.1	4	6	5.5	5.5	5.5	13.8	5.5	13.8	13.8	22	22	34	27.5		
Running Layer Elevation(m)	0	0	0	0	0		6	6	0	0	0	5	0	0	6	6	6	6	6	7	6	7	7	8	8	8	8		
The height of the center of the steam turbine from the running floor(mm)	1050	1050	1050	1050	1050	1020	600	600	1050	1050	1050	600	1050	1050	600	630	630	630	630	630	750	630	750	750	900	900	900	800	
Minimum lifting height(m)	4	4	4	4	4	4	4	4	4	4	4	5	4	4	4	5	5	5	5	5	5.5	5	5.5	5.5	5.5	5.5	5.5		
The form of connection between the steam engine and the gearbox	Double-sided toothed	Double-sided toothed	Double-sided toothed	Double-sided toothed	Double-sided toothed	Double-sided toothed	Double-sided toothed	Double-sided toothed	Double-sided toothed	Double-sided toothed	Double-sided toothed	Double-sided toothed	Double-sided toothed	Double-sided toothed	Double-sided toothed	Direct connection of steam and motor	Direct connection of steam and motor	Driven fans	Direct connection of steam and motor	Direct connection of steam and motor	Direct connection of steam and motor	Direct connection of steam and motor	Direct connection of steam and motor	Direct connection of steam and motor	Direct connection of steam and motor	Direct connection of steam and motor	Direct connection of steam and motor		
The gearbox is connected to the generator	Rigid couplings	Rigid couplings	Rigid couplings	Rigid couplings	Industrial	Rigid couplings	Rigid couplings	Driven fans	Rigid couplings	Rigid couplings	Rigid couplings	Rigid couplings	Rigid couplings	Rigid couplings	Rigid couplings														
Form of steam engine coiler device	hand coiler	hand coiler	hand coiler	hand coiler	hand coiler	hand coiler	hand coiler	hand coiler	hand coiler	hand coiler	hand coiler	hand coiler	hand coiler	hand coiler	hand coiler	electric	electric	electric	electric	electric	electric	electric	electric	electric	electric	electric	electric		
Steam turbine dimensions(mm)	4122×2652×2515	4122×2652×2515	4122×2652×2515	4122×2652×2515	4112×2691×2515	2127×1800×1509	4228×2400×2355	4228×2400×2355	4112×2691×2515	4112×2691×2515	4122×2652×2515	4228×2400×1955	4122×2652×2515	4122×2652×2515	4228×2400×2355	3747×2280×2805	3747×2280×2805	3747×2280×2805	3747×2280×2805	5325×3590×2530	3747×2280×2805	5325×3590×2530	5325×3590×2530	6690×4890×4050	6690×4890×4050	8050×6970×4470	8748×6960×4960		