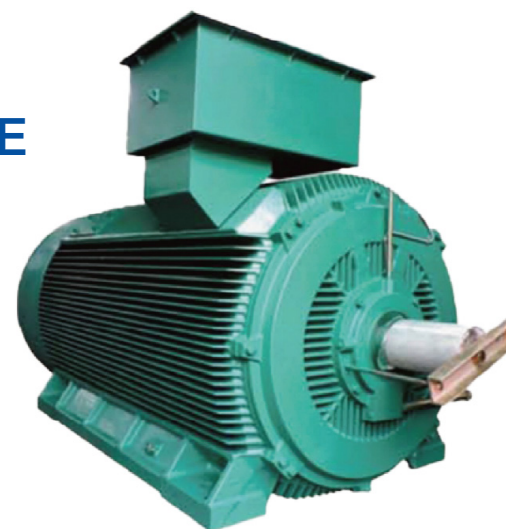


CHT4 SERIES

HIGH VOLTAGE COMPACT THREE-PHASE ASYNCHRONOUS MOTOR

POWER: 160-1600kW

Frame: H355-560



Basic technical requirements and characteristics of electric motors

- Protection class: Ip55;
- Cooling method: Ic411;
- Installation method: B3;
- Insulation class: F class;
- Working system: S1;
- Voltage level: 6000V, 10000V;
- Frequency: 50Hz (60Hz can be derived, or specified frequency);
- Power range: 160-1800kW;
- Meet the second-level energy efficiency requirements of the national standard (according to customer requirements, the first-level energy-efficiency motor can be customized);
- The motor complies with the standard of JB/T10444 "Y2, YX2 series high-voltage three-phase asynchronous motor technical conditions and energy efficiency classification".

The use environment of the motor

- The altitude does not exceed 1000m;
- The maximum ambient air temperature varies with the season, but does not exceed 40°C;
- Environmental place: no flammable gas, no dust;
- Electric power supply: allowable voltage fluctuation ±5%, frequency fluctuation ±2%, combined voltage and frequency fluctuation ±5%;
- The base and end cover of the motor are made of resin sand, which is beautiful and elegant;
- The motor is equipped with a non-stop oil injection and discharge device;
- The motor can be set with different types and specifications of bearing temperature measurement, winding temperature measurement, moisture-proof heating belt, etc. according to customer needs.

Technical Data

Motor Type	Rated Power	Rated Speed	Efficiency	Power Factor	Current		Torque			Moment of inertia(J)	Approx WT
	kW	RPM	%		6KV	6.6KV	Full Load	Locked Rotor	Pull Out	Kg-m ²	Kg
CHT4-355F1-02P	185	2980	93.0	84	22.8	20.7	60	70	200	2.6	1900
CHT4-355F2-02P	200	2980	93.2	84	24.6	22.3	65	70	200	2.8	2000
CHT4-355F3-02P	220	2980	93.3	84	27.0	24.6	72	70	200	3.0	2100
CHT4-355F4-02P	250	2980	93.4	84	30.7	27.9	82	70	200	3.3	2200
CHT4-355F5-02P	280	2980	93.6	86	33.5	30.4	92	70	200	3.5	2350
CHT4-400F1-02P	315	2980	93.9	86	37.5	34.1	103	70	200	5.0	2900
CHT4-400F2-02P	355	2980	94.1	86	42.2	38.4	116	70	200	5.5	3000
CHT4-400F3-02P	400	2980	94.5	86	47.4	43.1	131	70	200	6.0	3100
CHT4-400F4-02P	450	2980	94.7	86	53.2	48.3	147	70	200	7.0	3200
CHT4-450F1-02P	500	2982	95.0	87	58.2	52.9	163	70	200	11	3500
CHT4-450F2-02P	560	2982	95.1	87	65.1	59.2	183	70	200	12	3600
CHT4-450F3-02P	630	2982	95.2	87	73.2	66.5	206	70	200	13	3700
CHT4-450F4-02P	710	2982	95.3	87	82.4	74.9	232	70	200	14	3850
CHT4-500F1-02P	800	2982	95.6	88	91.5	83.2	261	70	200	17	5780
CHT4-500F2-02P	900	2982	95.7	88	102.8	93.5	294	70	200	19	6050
CHT4-500F3-02P	1000	2982	95.8	88	114.1	103.8	327	70	200	21.0	6320
CHT4-500F4-02P	1120	2982	95.9	88	127.7	116.1	366	70	200	23	6600
CHT4-560F1-02P	1250	2985	96.1	89	140.6	127.9	408	70	200	24.0	8400
CHT4-560F2-02P	1400	2985	96.2	89	157.3	143.0	457	70	200	30	8800
CHT4-560F3-02P	1600	2985	96.3	89	179.6	163.3	522	70	200	33.0	9200
CHT4-355F1-04P	185	1485	93.4	84	22.7	20.6	121	80	200	6.0	1900
CHT4-355F2-04P	200	1485	93.6	84	24.5	22.3	131	80	200	7.0	2000
CHT4-355F3-04P	220	1485	93.7	84	26.9	24.5	144	80	200	8.0	2100
CHT4-355F4-04P	250	1485	93.8	84	30.5	27.8	164	80	200	9.0	2200
CHT4-355F5-04P	280	1485	93.9	84	34.2	31.1	184	80	200	10	2300
CHT4-400F1-04P	315	1485	94.1	85	37.9	34.5	207	80	200	11	3000
CHT4-400F2-04P	355	1485	94.3	85	42.6	38.7	233	80	200	12	3100
CHT4-400F3-04P	400	1485	94.4	85	48.0	43.6	262	80	200	13	3200

Technlcal Data

Motor Type	Rated Power	Rated Speed	Efficiency	Power Factor	Current		Full Load	Torque Locked Rotor	Pull Out	Moment of inertia(J)	Approx WT
	6kV	6.6kV									
	kW	RPM	%		A	A	kg-m	%FLT	%FLT	Kg-m²	Kg
CHT4-400F4-04P	450	1485	94.6	85	53.9	49.0	295	80	200	14	3300
CHT4-450F1-04P	500	1485	94.8	86	59.0	53.7	328	80	200	22	3600
CHT4-450F2-04P	560	1485	95	86	66.0	60.0	367	80	200	24	3700
CHT4-450F3-04P	630	1485	95.2	86	74.0	67.3	413	80	200	26	3800
CHT4-450F4-04P	710	1485	95.4	86	83.3	75.7	466	80	200	28	3950
CHT4-500F1-04P	800	1488	95.5	86	93.7	85.2	524	80	200	41	5820
CHT4-500F2-04P	900	1488	95.6	86	105.3	95.8	589	80	200	44	6100
CHT4-500F3-04P	1000	1488	95.7	86	116.9	106.3	655	80	200	47	6280
CHT4-500F4-04P	1120	1488	95.8	86	130.8	118.9	733	80	200	50	6420
CHT4-560F1-04P	1250	1488	96	87	144.0	130.9	819	70	200	70	8020
CHT4-560F2-04P	1400	1488	96	87	161.3	146.6	917	70	200	74	8390
CHT4-560F3-04P	1600	1488	96.1	87	184.2	167.4	1048	70	200	78	8750
CHT4-355F3-06P	160	985	93	80	20.7	18.8	158	80	200	9	2200
CHT4-355F4-06P	185	985	93.2	80	23.9	21.7	183	80	200	10	2300
CHT4-355F5-06P	200	985	93.4	80	25.8	23.4	198	80	200	11	2400
CHT4-400F1-06P	220	988	93.5	82	27.6	25.1	217	80	200	14	2900
CHT4-400F2-06P	250	988	93.7	82	31.3	28.5	247	80	200	16	3000
CHT4-400F3-06P	280	988	93.9	82	35.0	31.8	276	80	200	18	3200
CHT4-400F4-06P	315	988	94.2	82	39.2	35.7	311	80	200	20	3400
CHT4-450F1-06P	355	988	94.4	83	43.6	39.6	350	80	200	28	3500
CHT4-450F2-06P	400	988	94.4	83	49.1	44.7	395	80	200	30	3600
CHT4-450F3-06P	450	988	94.7	83	55.1	50.1	444	80	200	32	3700
CHT4-450F4-06P	500	988	95.0	83	61.0	55.5	493	80	200	34	3820
CHT4-500F1-06P	560	990	95.1	83	68.3	62.1	551	80	200	54	5610
CHT4-500F2-06P	630	990	95.2	83	76.7	69.7	620	80	200	58	5790
CHT4-500F3-06P	710	990	95.4	83	86.3	78.4	699	80	200	62	6010
CHT4-500F4-06P	800	990	95.5	83	97.1	88.3	787	80	200	66	6230

Technlcal Data

Motor Type	Rated Power	Rated Speed	Efficiency	Power Factor	Current		Full Load	Torque Locked Rotor	Pull Out	Moment of inertia(J)	Approx WT
	kW	RPM	%		6kV	6.6kV		%FLT	%FLT	Kg-m ²	Kg
CHT4-560F1-06P	900	990	95.6	84	107.8	98.0	886	70	200	94	7650
CHT4-560F2-06P	1000	990	95.7	84	119.7	108.8	984	70	200	102	7950
CHT4-560F3-06P	1120	990	95.8	84	133.9	121.8	1102	70	200	110	8250
CHT4-560F4-06P	1250	990	96.0	84	149.2	135.6	1230	70	200	118	8550
CHT4-400F1-08P	160	738	92.9	76	21.8	19.8	211	80	200	15	3000
CHT4-400F2-08P	185	738	93.1	76	25.2	22.9	244	80	200	16	3100
CHT4-400F3-08P	200	738	93.3	77	26.8	24.4	264	80	200	18	3200
CHT4-400F4-08P	220	738	93.4	77	29.4	26.8	290	80	200	20	3300
CHT4-450F1-08P	250	740	93.5	78	33.0	30.0	329	80	200	28	3500
CHT4-450F2-08P	280	740	93.7	78	36.9	33.5	369	80	200	30	3600
CHT4-450F3-08P	315	740	93.9	78	41.4	37.6	415	80	200	32	3700
CHT4-450F4-08P	355	740	94.0	78	46.6	42.4	467	80	200	34	3820
CHT4-500F1-08P	400	742	94.2	79	51.7	47.0	525	80	200	54	5250
CHT4-500F2-08P	450	742	94.3	79	58.1	52.8	591	80	200	58	5490
CHT4-500F3-08P	500	742	94.8	80	63.4	57.7	657	80	200	62	5750
CHT4-500F4-08P	560	742	94.9	80	71.0	64.5	735	80	200	66	6020
CHT4-560F1-08P	630	745	95.0	81	78.8	71.6	824	70	200	96	7000
CHT4-560F2-08P	710	745	95.0	81	88.8	80.7	929	70	200	105	7350
CHT4-560F3-08P	800	745	95.2	81	99.8	90.8	1046	70	200	110	7700
CHT4-560F4-08P	900	745	95.3	81	112.2	102	1177	70	200	116	8100



Technlcal Data

Motor Type	Rated Power	Rated Speed	Efficiency	Power Factor	Current 10KV	Current 11KV	Full Load Torque	Locked Rotor Torque	Pull Out Torque	Moment of inertia(J)	Approx WT
	kW	RPM	%		A	A	kg·m	%FLT	%FLT	Kg·m ²	Kg
CHT4-400F1-02P	220	2980	93.3	84	16.2	14.7	72	70	200	5	2900
CHT4-400F2-02P	250	2980	93.4	84	18.4	16.7	82	70	200	5.5	3000
CHT4-400F3-02P	280	2980	93.6	85	20.3	18.5	92	70	200	6	3100
CHT4-400F4-02P	315	2980	93.9	85	22.8	20.7	103	70	200	7	3200
CHT4-450F1-02P	355	2982	94.1	86	25.3	23.0	116	70	200	11	3500
CHT4-450F2-02P	400	2982	94.5	86	28.4	25.8	131	70	200	12	3600
CHT4-450F3-02P	450	2982	94.7	86	31.9	29.0	147	70	200	13	3700
CHT4-450F4-02P	500	2982	95	86	35.3	32.1	163	70	200	14	3850
CHT4-500F1-02P	560	2985	95.1	87	39.1	35.5	183	70	200	15	5500
CHT4-500F2-02P	630	2985	95.2	87	43.9	39.9	206	70	200	17	5780
CHT4-500F3-02P	710	2985	95.3	87	49.4	44.9	232	70	200	19	6050
CHT4-500F4-02P	800	2985	95.6	88	54.9	49.9	261	70	200	21	6320
CHT4-500F5-02P	900	2985	95.7	88	61.7	56.1	294	70	200	23	6600
CHT4-560F1-02P	900	2985	95.7	88	61.7	56.1	294	70	200	26	8200
CHT4-560F2-02P	1000	2985	95.8	88	68.5	62.3	327	70	200	30	8650
CHT4-560F3-02P	1120	2985	95.9	88	76.6	69.6	366	70	200	34	9100
CHT4-560F4-02P	1250	2985	96	88	85.4	77.6	408	70	200	30	9500
CHT4-400F1-04P	220	1482	93.7	84	16.1	14.7	145	80	200	11	3000
CHT4-400F2-04P	250	1482	93.8	84	18.3	16.7	164	80	200	12	3100
CHT4-400F3-04P	280	1482	93.9	84	20.5	18.6	184	80	200	13	3200
CHT4-400F4-04P	315	1482	94.1	84	23.0	20.9	207	80	200	14	3300
CHT4-450F1-04P	355	1485	94.3	85	25.6	23.2	233	80	200	20	3500
CHT4-450F2-04P	400	1485	94.4	85	28.8	26.2	262	80	200	22	3600
CHT4-450F3-04P	450	1485	94.6	85	32.3	29.4	295	80	200	24	3700
CHT4-450F4-04P	500	1485	94.8	86	35.4	32.2	328	80	200	26	3800
CHT4-450F5-04P	560	1485	95.0	86	39.6	36.0	367	80	200	28	3950
CHT4-500F1-04P	630	1488	95.2	86	44.4	40.4	413	80	200	41	5820
CHT4-500F2-04P	710	1488	95.4	86	50	45.4	465	80	200	44	6100
CHT4-500F3-04P	800	1488	95.5	87	55.6	50.5	524	80	200	47	6280

Technlcal Data

Motor Type	Rated Power	Rated Speed	Efficiency	Power Factor	Current 10KV	Current 11KV	Full Load Torque	Locked Rotor Torque	Pull Out Torque	Moment of inertia(J)	Approx WT
	kW	RPM	%		A	A	kg·m	%FLT	%FLT	Kg·m ²	Kg
CHT4-500F4-04P	900	1488	95.6	87	62.5	56.8	589	80	200	50	6420
CHT4-560F1-04P	1000	1488	95.7	86	70.2	63.8	655	70	200	70	8020
CHT4-560F2-04P	1120	1488	95.8	86	78.5	71.4	733	70	200	74	8390
CHT4-560F3-04P	1250	1488	96	87	86.4	78.6	819	70	200	78	8750
CHT4-560F4-04P	1400	1488	96	87	96.8	88.0	917	70	200	82	9100
CHT4-450F1-06P	220	985	93.5	82	16.6	15.1	218	80	200	26	3400
CHT4-450F2-06P	250	985	93.7	82	18.8	17.1	247	80	200	28	3500
CHT4-450F3-06P	280	985	93.9	82	21.0	19.1	277	80	200	30	3600
CHT4-450F4-06P	315	985	94.2	82	23.5	21.4	312	80	200	32	3700
CHT4-450F5-06P	355	985	94.4	82	26.5	24.1	351	80	200	34	3820
CHT4-500F1-06P	400	985	94.4	83	29.5	26.8	396	80	200	50	5450
CHT4-500F2-06P	450	988	94.7	83	33.1	30.0	444	80	200	54	5610
CHT4-500F3-06P	500	988	95.0	83	36.6	33.3	493	80	200	58	5790
CHT4-500F4-06P	560	990	95.1	83	41.0	37.2	551	80	200	62	6010
CHT4-500F5-06P	630	990	95.2	83	46.0	41.8	620	80	200	66	6230
CHT4-560F1-06P	710	992	95.4	83	51.8	47.1	697	70	200	87	7400
CHT4-560F2-06P	800	992	95.5	83	58.3	53.0	786	70	200	84	7650
CHT4-560F3-06P	900	992	95.6	84	64.7	58.8	884	70	200	102	7950
CHT4-560F4-06P	1000	992	95.7	84	71.8	65.3	982	70	200	110	8250
CHT4-560F5-06P	1120	992	95.8	84	80.4	73.1	1100	70	200	118	8550
CHT4-450F3-08P	220	740	93.4	78	17.4	15.9	290	80	200	30	3600
CHT4-450F4-08P	250	740	93.5	78	19.8	18.0	329	80	200	32	3700
CHT4-450F5-08P	280	740	93.7	78	22.1	20.1	369	80	200	34	3820
CHT4-500F1-08P	315	742	93.9	78	24.8	22.6	414	80	200	54	5250
CHT4-500F2-08P	355	742	94.0	78	28.0	25.4	466	80	200	58	5490
CHT4-500F3-08P	400	742	94.2	79	31.0	28.2	525	80	200	62	5750
CHT4-500F4-08P	450	742	94.3	79	34.9	37.1	591	80	200	66	6020
CHT4-560F1-08P	500	745	94.8	80	38.1	34.6	654	70	200	88	6650
CHT4-560F2-08P	560	745	94.9	80	42.6	38.7	733	70	200	96	7000
CHT4-560F3-08P	630	745	95.0	81	47.3	43.0	824	70	200	105	7350
CHT4-560F4-08P	710	745	95.0	81	53.3	48.4	929	70	200	110	7700
CHT4-560F5-08P	800	745	95.2	81	59.9	54.5	1046	70	200	116	8100