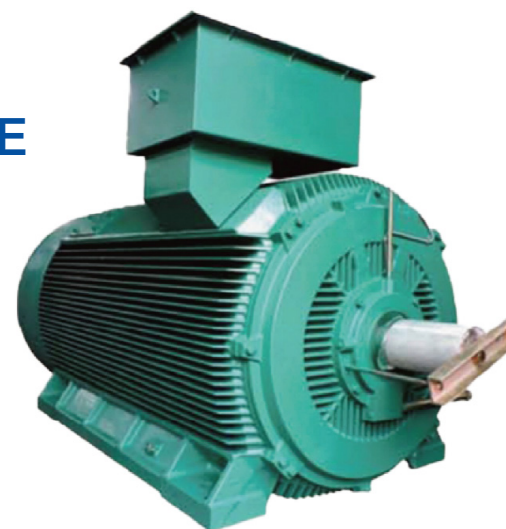


CHT4 SERIES

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
					6KV	6.6KV	Locked Rotor	Pull Out		
	kW	RPM	%		A	A	FLT	FLT	Kg-m ²	Kg
CHT4-355F1-02P	185	2980	93.0	84	22.8	20.7	70	200	2.6	1900
CHT4-355F2-02P	200	2980	93.2	84	24.6	22.3	70	200	2.8	2000
CHT4-355F3-02P	220	2980	93.3	84	27.0	24.6	70	200	3.0	2100
CHT4-355F4-02P	250	2980	93.4	84	30.7	27.9	70	200	3.3	2200
CHT4-355F5-02P	280	2980	93.6	86	33.5	30.4	70	200	3.5	2350
CHT4-400F1-02P	315	2980	93.9	86	37.5	34.1	70	200	5.0	2900
CHT4-400F2-02P	355	2980	94.1	86	42.2	38.4	70	200	5.5	3000
CHT4-400F3-02P	400	2980	94.5	86	47.4	43.1	70	200	6.0	3100
CHT4-400F4-02P	450	2980	94.7	86	53.2	48.3	70	200	7.0	3200
CHT4-450F1-02P	500	2982	95.0	87	58.2	52.9	70	200	11	3500
CHT4-450F2-02P	560	2982	95.1	87	65.1	59.2	70	200	12	3600
CHT4-450F3-02P	630	2982	95.2	87	73.2	66.5	70	200	13	3700
CHT4-450F4-02P	710	2982	95.3	87	82.4	74.9	70	200	14	3850
CHT4-500F1-02P	800	2982	95.6	88	91.5	83.2	70	200	17	5780
CHT4-500F2-02P	900	2982	95.7	88	102.8	93.5	70	200	19	6050
CHT4-500F3-02P	1000	2982	95.8	88	114.1	103.8	70	200	21.0	6320
CHT4-500F4-02P	1120	2982	95.9	88	127.7	116.1	70	200	23	6600
CHT4-560F1-02P	1250	2985	96.1	89	140.6	127.9	70	200	24.0	8400
CHT4-560F2-02P	1400	2985	96.2	89	157.3	143.0	70	200	30	8800
CHT4-560F3-02P	1600	2985	96.3	89	179.6	163.3	70	200	33.0	9200
CHT4-355F1-04P	185	1485	93.4	84	22.7	20.6	80	200	6.0	1900
CHT4-355F2-04P	200	1485	93.6	84	24.5	22.3	80	200	7.0	2000
CHT4-355F3-04P	220	1485	93.7	84	26.9	24.5	80	200	8.0	2100
CHT4-355F4-04P	250	1485	93.8	84	30.5	27.8	80	200	9.0	2200
CHT4-355F5-04P	280	1485	93.9	84	34.2	31.1	80	200	10	2300
CHT4-400F1-04P	315	1485	94.1	85	37.9	34.5	80	200	11	3000
CHT4-400F2-04P	355	1485	94.3	85	42.6	38.7	80	200	12	3100
CHT4-400F3-04P	400	1485	94.4	85	48.0	43.6	80	200	13	3200

Technlcal Data

Motor Type	Rated Power	Rated Speed	Efficiency	Power Factor	Current		Torque		Moment of inertia(J)	Approx WT
	kW	RPM	%		6KV	6.6KV	Locked Rotor	Pull Out	Kg-m ²	Kg
CHT4-400F4-04P	450	1485	94.6	85	53.9	49.0	80	200	14	3300
CHT4-450F1-04P	500	1485	94.8	86	59.0	53.7	80	200	22	3600
CHT4-450F2-04P	560	1485	95	86	66.0	60.0	80	200	24	3700
CHT4-450F3-04P	630	1485	95.2	86	74.0	67.3	80	200	26	3800
CHT4-450F4-04P	710	1485	95.4	86	83.3	75.7	80	200	28	3950
CHT4-500F1-04P	800	1488	95.5	86	93.7	85.2	80	200	41	5820
CHT4-500F2-04P	900	1488	95.6	86	105.3	95.8	80	200	44	6100
CHT4-500F3-04P	1000	1488	95.7	86	116.9	106.3	80	200	47	6280
CHT4-500F4-04P	1120	1488	95.8	86	130.8	118.9	80	200	50	6420
CHT4-560F1-04P	1250	1488	96	87	144.0	130.9	70	200	70	8020
CHT4-560F2-04P	1400	1488	96	87	161.3	146.6	70	200	74	8390
CHT4-560F3-04P	1600	1488	96.1	87	184.2	167.4	70	200	78	8750
CHT4-355F3-06P	160	985	93	80	20.7	18.8	80	200	9	2200
CHT4-355F4-06P	185	985	93.2	80	23.9	21.7	80	200	10	2300
CHT4-355F5-06P	200	985	93.4	80	25.8	23.4	80	200	11	2400
CHT4-400F1-06P	220	988	93.5	82	27.6	25.1	80	200	14	2900
CHT4-400F2-06P	250	988	93.7	82	31.3	28.5	80	200	16	3000
CHT4-400F3-06P	280	988	93.9	82	35.0	31.8	80	200	18	3200
CHT4-400F4-06P	315	988	94.2	82	39.2	35.7	80	200	20	3400
CHT4-450F1-06P	355	988	94.4	83	43.6	39.6	80	200	28	3500
CHT4-450F2-06P	400	988	94.4	83	49.1	44.7	80	200	30	3600
CHT4-450F3-06P	450	988	94.7	83	55.1	50.1	80	200	32	3700
CHT4-450F4-06P	500	988	95.0	83	61.0	55.5	80	200	34	3820
CHT4-500F1-06P	560	990	95.1	83	68.3	62.1	80	200	54	5610
CHT4-500F2-06P	630	990	95.2	83	76.7	69.7	80	200	58	5790
CHT4-500F3-06P	710	990	95.4	83	86.3	78.4	80	200	62	6010
CHT4-500F4-06P	800	990	95.5	83	97.1	88.3	80	200	66	6230

Technlcal Data

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

