

YR.YRKS.YRKK SERIES

H710-1000 LARGE SIZE HIGH VOLTAGE THREE-PHASE ASYNCHRONOUS
WOUND-ROTOR MOTORS



YR Series



YRKK Series



YRKS Series

1. General description

YR series large size 6kV wound rotor three-phase asynchronous motor is a new series of products that our company introduces and digests the advanced technology of WESTING-HOUSE Company and combines decades of motor manufacturing experience of our company. It is the replacement product of JR old series.

YR series large size 10kV wound rotor three-phase asynchronous motor is another series of products carefully built by our company on the basis of the successful development of medium-sized 6kV wound rotor three-phase asynchronous motor. This series of motors can be directly used in 10kV power grid. Compared with the 6kV motor, it has the advantages of simplified equipment, reliable operation, investment saving and energy consumption reduction.

2. Structure specification

YR series motor's rotor winding adopt copper conductors with the insulation material whose insulation class is F. The welding between the windings, the lend-out copper conductors and windings all adopt silver-copper-welding to ensure the motor running reliably.

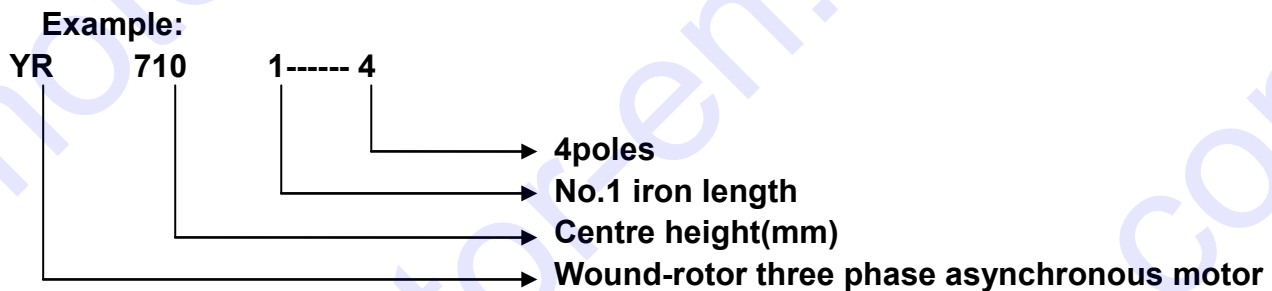
YR series motor has the box-type construction, which was made up of steel plate welded with lightweight and good stiffness. On top of the motor is the protective cover, convenient to maintenance and replacement. The stator adopts the press construction; the winding with class F insulation and VPI impregnating, which ensure the reliable of the insulation, the mechanical stress and the capable of resistant humidity. The basically protection class is IP23; IP54 motor can be supplied according to requirement.

The stator coil is buried with the temperature measuring component, and the change of the coil temperature is observed. The specification of the temperature measuring component can be determined according to user requirements.

If you need to add a heater inside the motor, you must specify it when ordering.

The motor terminal cable is generally in the lower part of the motor, and the terminal cable can also be designed according to customer requirements and must be installed on the wall of the machine base.

3.The Implication of the symbol



4.Details

YR SERIES

- Frame sizes: 710-1000
- Insulation class: F
- Enclosure: IC01(self-ventilated)
- Rotor: wound rotor with collector rings
- Rated output: 630-5600kW
- Degree of protection: IP23
- Mounting: Horizontal
- Voltage: 6Kv, 10Kv

Features: High efficiency, energy saving, low vibration, small size, light weight, reliable performance and easy installation and maintenance. The frame is made of steel plate being welded up into form of square tank shape with light weight and firm rigidity. Stator is an outer-press-assembly structure. The stator winding is F grade insulation at the winding's end part being firm banded. The whole stator and rotor has been treated with VPI technology to make stator and rotor with insulation and moisture resistance. Silver brazing is used between rotor coils and between copper strip and coils to ensure the reliability of motor operation.

Applications: Ideal for driving all kinds of general machinery, such as rolling mill, winch, water pump, fan, compressor, ball mill and etc.

YRKS SERIES

- Frame sizes: 710-1000
- Insulation class: F
- Enclosure: IC81W(Air-water heat exchanger)
- Voltage: 6Kv, 10Kv
- Rated output: 630-5600kW
- Degree of protection: IP54 / IP55
- Rotor: wound rotor with collector rings
- Mounting: Horizontal

Features: High efficiency, energy saving, low vibration, small size, light weight, reliable performance and easy installation and maintenance. The frame is made of steel plate being welded up into form of square tank shape with light weight and firm rigidity. Stator is an outer-press-assembly structure. The stator winding is F grade insulation at the winding's end part being firm banded. The whole stator and rotor has been treated with VPI technology to make stator and rotor with insulation and moisture resistance. Silver brazing is used between rotor coils and between copper strip and coils to ensure the reliability of motor operation.

Applications: Ideal for driving all kinds of general machinery, such as water pump, fan, compressor, ball mill and etc.

YRKK SERIES

- Frame sizes: 710-1000
 - Insulation class: F
 - Enclosure: IC611(Air-air heat exchanger)
 - Voltage: 6Kv, 10Kv
- Rated output: 500-4500kW
Degree of protection: IP54 / IP55
Rotor: wound-rotor with collector rings
Mounting: Horizontal

Features: This motor can be processed by the anticorrosion anti-mould-proof process to derive outdoor (W) and outdoor corrosion protection (WF) motors. High efficiency, energy saving, low vibration, small size, light weight, reliable performance and easy installation and maintenance. The frame is made of steel plate being welded up into form of square tank shape with light weight and firm rigidity. Stator is an outer-press-assembly structure. The stator winding is F grade insulation at the winding's end part being firm banded. The whole stator and rotor has been treated with VPI technology to make stator and rotor with insulation and moisture resistance. Silver brazing is used between rotor coils and between copper strip and coils to ensure the reliability of motor operation.

Applications: Ideal for driving all kinds of general machinery, such as water pump, fan, compressor, crusher and etc.

YR/YRKS series motor model composition (6kV)

Frame		Synchronous speed (r/min)					
		1500	1000	750	600	500	375
		Output kW					
710	1	2800	2000	1600	1250	1000	630
	2	3150	2240	1800	1400	1120	710
	3	3550	2500	2000	1600	1250	800
	4	4000	2800	2240	1800	1400	900
800	1	4500	3150	2500	2000	1600	1000
	2	5000	3550	2800	2240	1800	1120
	3	5600	4000	3150	2500	2000	1250
	4	—	4500	—	—	2240	1400
900	1	—	—	3550	2800	2500	1600
	2	—	—	4000	3150	2800	1800
	3	—	—	4500	3550	3150	2000
	4	—	—	—	4000	—	—
1000	1	—	—	—	4500	3550	2240
	2	—	—	—	5000	4000	2500
	3	—	—	—	5600	4500	2800
	4	—	—	—	—	5000	—

YRKK series motor model composition (6kV)

Frame		Synchronous speed (r/min)					
		1500	1000	750	600	500	375
		Output kW					
710	1	2240	1600	1400	1120	800	500
	2	2500	1800	1600	1250	900	560
	3	2800	2000	1800	1400	1000	630
	4	3150	2240	2000	1600	1120	710
800	1	3550	2500	2240	1800	1250	800
	2	4000	2800	2500	2000	1400	900
	3	4500	3150	2800	2240	1600	1000
	4	—	3550	—	—	1800	1120
900	1	—	—	3150	2500	2000	1250
	2	—	—	3550	2800	2240	1400
	3	—	—	4000	3150	2500	1600
	4	—	—	—	3550	—	—
1000	1	—	—	—	4000	2800	1800
	2	—	—	—	4500	3150	2000
	3	—	—	—	5000	3550	2240
	4	—	—	—	—	4000	—

Note: All data is as of Sep. 2013, and subject to change without notice.

YR series motor model composition (10kV)

Frame		Synchronous speed (r/min)					
		1500	1000	750	600	500	375
		Output kW					
710	1	2240	1600	1250	1120	800	500
	2	2500	1800	1400	1250	900	560
	3	2800	2000	1600	1400	1000	630
	4	3150	2240	1800	1600	1120	710
	5	3550	2500	—	—	—	—
800	1	4000	2800	2000	1800	1250	800
	2	4500	3150	2240	2000	1400	900
	3	5000	3550	2500	2240	1600	1000
	4	5600	—	2800	—	—	1120
900	1	—	4000	3150	2500	1800	1250
	2	—	4500	3550	2500	2000	1400
	3	—	5000	—	—	2240	1600
	4	—	—	—	—	—	—
1000	1	—	—	4000	3150	2500	1800
	2	—	—	4500	3550	2800	2000
	3	—	—	5000	—	3150	2240
	4	—	—	—	—	3550	2500

YRKK series motor model composition (10kV)

Frame		Synchronous speed (r/min)					
		1500	1000	750	600	500	375
		Output kW					
710	1	2000	1400	1250	1000	710	—
	2	2240	1600	1400	1120	800	500
	3	2500	1800	1600	1250	900	560
	4	2800	2000	—	1400	1000	630
800	1	3150	2240	1800	1600	1120	710
	2	3550	2500	2000	1800	1250	800
	3	4000	2800	2240	2000	1400	900
	4	4500	3150	—	—	1600	1000
900	1	—	3550	2500	2240	1800	1120
	2	—	4000	2800	2500	2000	1250
	3	—	4500	3150	—	—	1400
1000	1	—	—	3550	2800	2240	1600
	2	—	—	4000	3150	2500	1800
	3	—	—	4500	—	2800	2000
	4	—	—	—	—	3150	—

Note: All data is as of Sep.2013, and subject to change without notice.

YR(IP23) /YRKS(IP54) series technical data (6kV)

Model	Rated Output kW	Stator current A	RPM	EFF. (%)	Power Factor CosΦ	BDT FLT $\frac{T_m}{T_n}$	Rotor voltage (V)	Rotor current (A)	WGT (kg)	
									YR	YRKS
YR710 1-4	2800	323.3	1489	96.33	0.922	1.8	1766	968	11500	12300
YR710 2-4	3150	363.3	1489	96.47	0.922	1.8	1884	1021	12000	12800
YR710 3-4	3550	409.0	1488	96.59	0.923	1.8	2020	1074	12500	13300
YR710 4-4	4000	460.4	1488	96.72	0.923	1.8	2176	1123	13000	14000
YR800 1-4	4500	517	1489	96.2	0.87	1.8	1980	1380	14500	15300
YR800 2-4	5000	574	1489	96.3	0.87	1.8	2200	1372	15200	16000
YR800 3-4	5600	663	1489	96.4	0.87	1.8	2475	1360	16000	17000
YR710 1-6	2000	236.8	991	96.01	0.899	1.8	1488	831	11500	12500
YR710 2-6	2240	265.3	991	96.14	0.891	1.8	1595	869	12000	13000
YR710 3-6	2500	295.7	991	96.28	0.899	1.8	1718	901	12500	13500
YR710 4-6	2800	331.2	991	96.40	0.900	1.8	1862	931	13000	14000
YR800 1-6	3150	372	991	95.8	0.85	1.8	2022	951	14500	15500
YR800 2-6	3550	419	991	95.9	0.85	1.8	2226	972	15000	16000
YR800 3-6	4000	472	991	96.0	0.85	1.8	2473	982	15500	16500
YR800 4-6	4500	530	991	96.1	0.85	1.8	2782	978	16000	17230
YR710 1-8	1600	196.3	742	95.62	0.854	1.8	1342	743	11000	12000
YR710 2-8	1800	219.7	743	95.97	0.856	1.8	1612	689	11500	12500
YR710 3-8	2000	243.8	742	95.84	0.858	1.8	1613	773	12000	13120
YR710 4-8	2240	272.8	742	95.83	0.859	1.8	1793	777	13000	14260
YR800 1-8	2500	304	742	95.3	0.83	1.8	1703	912	14500	15600
YR800 2-8	2800	340	742	95.4	0.83	1.8	1918	900	15200	16670
YR800 3-8	3150	379	742	95.5	0.84	1.8	2192	878	16000	17500
YR900 1-8	3550	425	743	95.6	0.84	1.8	2370	912	17500	19500
YR900 2-8	4000	479	743	95.7	0.84	1.8	2569	949	18000	20450
YR900 3-8	4500	538	743	95.8	0.84	1.8	2803	975	19000	21630
YR710 1-10	1250	157.3	594	95.38	0.829	1.8	1601	481	11500	12380
YR710 2-10	1400	176.2	593	95.37	0.837	1.8	1601	543	12000	12960
YR710 3-10	1600	201.1	594	95.50	0.932	1.8	1778	556	12500	13455
YR710 4-10	1800	226.0	593	95.42	0.839	1.8	1779	632	13000	14100
YR800 1-10	2000	251	592	94.7	0.81	1.8	1526	823	14500	15800
YR800 2-10	2240	281	592	94.8	0.81	1.8	1697	825	15200	16500
YR800 3-10	2500	313	592	94.9	0.81	1.8	1910	811	16000	17400
YR900 1-10	2800	349	593	95.0	0.82	1.8	1912	904	17500	19500
YR900 2-10	3150	389	593	95.1	0.82	1.8	2186	882	18000	20000
YR900 3-10	3550	438	593	95.2	0.82	1.8	2184	1007	18500	20500
YR900 4-10	4000	493	593	95.3	0.82	1.8	2549	963	19000	21000

YR1000 1-10	4500	554	594	95.4	0.82	1.8	2730	1003	24000	27500
YR1000 2-10	5000	614	594	95.5	0.82	1.8	2960	1028	25000	28500
YR1000 3-10	5600	687	594	95.6	0.82	1.8	3250	1050	26000	29000

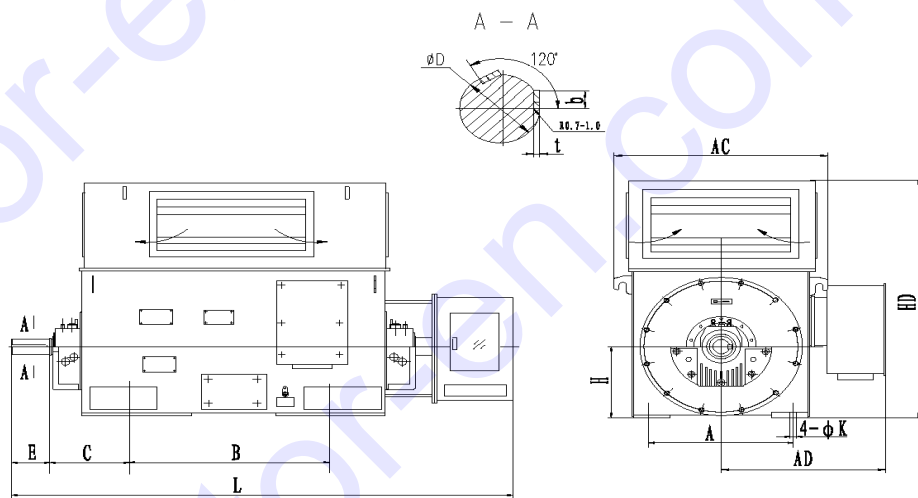
YR(IP23) /YRKS(IP54) series technical data (6kV)

Model	Rated Output kW	Stator current A	RPM	EFF. (%)	Power Factor CosΦ	BDT FLT Tm Tn	Rotor voltage (V)	Rotor current (A)	WGT (kg)	
									YR	YRKS
YR710 1-12	1000	131.5	495	94.99	0.796	1.8	1283	481	11500	12300
YR710 2-12	1120	147.5	494	94.96	0.807	1.8	1283	543	12000	12800
YR710 3-12	1250	164.2	494	95.11	0.802	1.8	1411	548	13000	13820
YR710 4-12	1400	183.7	493	95.02	0.811	1.8	1412	621	13500	14460
YR800 1-12	1600	210	493	94.1	0.78	1.8	1100	901	14500	16200
YR800 2-12	1800	236	493	94.2	0.78	1.8	1259	892	15000	16800
YR800 3-12	2000	262	493	94.3	0.78	1.8	1362	915	15500	17200
YR800 4-12	2240	293	493	94.4	0.78	1.8	1475	950	16000	18700
YR900 1-12	2500	322	494	94.5	0.79	1.8	1475	1047	17500	19500
YR900 2-12	2800	361	494	94.6	0.79	1.8	1605	1074	18000	20120
YR900 3-12	3150	405	494	94.7	0.79	1.8	1758	1102	19000	21600
YR1000 1-12	3550	456	495	94.8	0.79	1.8	1617	1349	23000	26500
YR1000 2-12	4000	513	495	94.9	0.79	1.8	1799	1366	24000	27500
YR1000 3-12	4500	577	495	95.0	0.79	1.8	2024	1361	25000	28500
YR1000 4-12	5000	640	495	95.1	0.79	1.8	2315	1316	26000	29500
YR710 1-16	630	91.2	370	92.67	0.735	1.8	1075	368	10500	11500
YR710 2-16	710	102.5	369	93.15	0.740	1.8	1257	353	11000	12000
YR710 3-16	800	115.4	369	93.45	0.756	1.8	1518	327	11500	12560
YR710 4-16	900	129.6	369	93.86	0.771	1.8	1513	372	12000	13120
YR800 1-16	1000	144	370	92.9	0.72	1.8	1020	615	14500	16000
YR800 2-16	1120	161	370	93.0	0.72	1.8	1113	632	15000	16500
YR800 3-16	1250	180	370	93.1	0.72	1.8	1224	641	15500	17050
YR800 4-16	1400	201	370	93.2	0.72	1.8	1360	646	16000	17230
YR900 1-16	1600	223	371	93.3	0.74	1.8	1274	786	17500	19240
YR900 2-16	1800	251	371	93.4	0.74	1.8	1401	804	18000	20000
YR900 3-16	2000	278	371	93.5	0.74	1.8	1557	804	19000	21000
YR1000 1-16	2240	311	372	93.6	0.74	1.8	1506	892	24000	28500
YR1000 2-16	2500	347	372	93.7	0.74	1.8	1657	905	25000	29500
YR1000 3-16	2800	388	372	93.8	0.74	1.8	1841	912	26000	30060

Note:

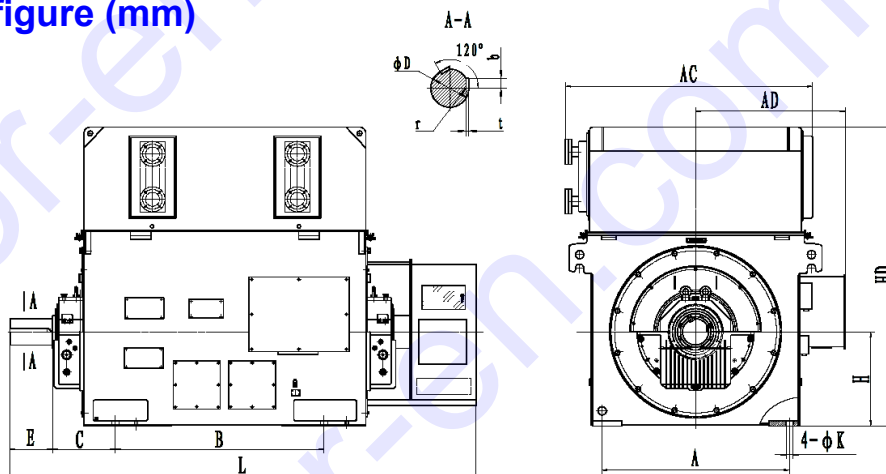
- 1.The technical data listed in each table are only as reference for selecting type.
- 2.The rotor voltage and current in each table above is reference value .η%, cosΦ,and TM is guarantee value.
Error of the weight of the motor is ±15%.

YR series (6 kV) large size asynchronous motor overall and mounting dimensions figure (mm)



Frame	Poles	Mounting dimension and tolerance										Overall dimension (limit)			
		A	B	C	D	E	t	b	r	H	K	AC	AD	HD	L
710	4-16	1400 ± 2.8	1800 ± 2.8	530 ± 4.2	$200^{+0.046}_{+0.017}$	350 ± 0.70	$14^{0}_{-0.11}$	51	0.7~1.0	$710^{0}_{-1.3}$	$56^{+0.62}_{0}$	1900	1320	2500	3800
800	4-16	1600 ± 2.8	2000 ± 2.8		$220^{+0.046}_{+0.017}$		$16^{0}_{-0.11}$	57.1	1.2~1.6	$800^{0}_{-1.3}$		2180	1420	2700	4000
900	4-16	1800 ± 3.5	2240 ± 3.5	600 ± 4.2	$250^{+0.046}_{+0.017}$	410 ± 0.77	$18^{0}_{-0.11}$	64.6		$900^{0}_{-1.3}$	$66^{+0.62}_{0}$	2420	1520	2900	4400
1000	4-16	2000 ± 3.5	2500 ± 3.5		$280^{+0.052}_{+0.020}$	470 ± 0.77	$20^{0}_{-0.13}$	72.1	2.0~2.5	$1000^{0}_{-1.3}$		2700	1620	3200	4700

YRKS series (6 kV) large type asynchronous motor overall and mounting dimensions figure (mm)



Frame	Poles	Mounting dimension and tolerance										Overall dimension (limit)			
		A	B	C	D	E	t	b	r	H	K	AC	AD	HD	L
710	4-16	1400 ± 2.8	1800 ± 2.8	530 ± 4.2	200 ^{+0.046} _{+0.017}	350 ± 0.70	14 ⁰ _{-0.11}	51	0.7~1.0	710 ⁰ _{-1.3}	56 ^{+0.62} ₀	1900	1320	2500	3800
800	4-16	1600 ± 2.8	2000 ± 2.8		220 ^{+0.046} _{+0.017}		16 ⁰ _{-0.11}	57.1	1.2~1.6	800 ⁰ _{-1.3}		2180	1420	2700	4000
900	4-16	1800 ± 3.5	2240 ± 3.5	600 ± 4.2	250 ^{+0.046} _{+0.017}	410 ± 0.77	18 ⁰ _{-0.11}	64.6		900 ⁰ _{-1.3}	66 ^{+0.62} ₀	2420	1520	2900	4400
1000	4-16	2000 ± 3.5	2500 ± 3.5		280 ^{+0.052} _{+0.020}	470 ± 0.77	20 ⁰ _{-0.13}	72.1	2.0~2.5	1000 ⁰ _{-1.3}		2700	1620	3200	4700

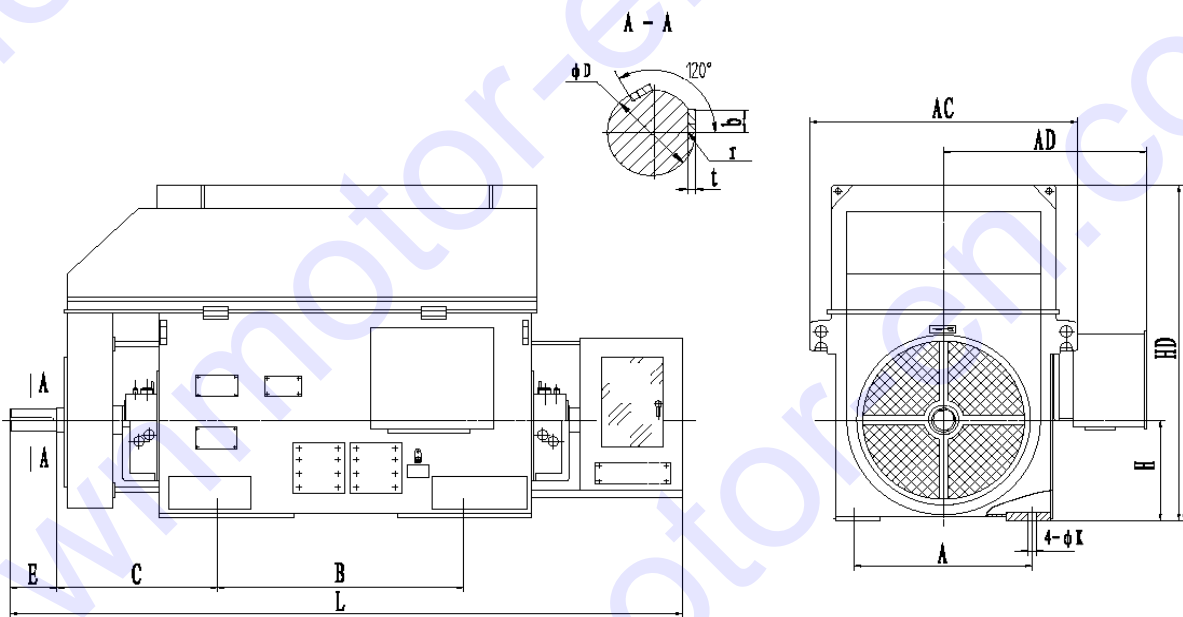
YRKK(IP44)/(IP54) series technical data (6kV)

Model	Rated Output kW	Stator current A	RPM	Eff. (%)	Power Factor CosΦ	BDT FLT $\frac{T_m}{T_n}$	Rotor voltage (V)	Rotor current (A)	WGT (kg)
YRKK710 1-4	2240	250.5	1489	96.52	0.922	1.8	1766	775	12200
YRKK710 2-4	2500	278.0	1489	96.55	0.923	1.8	1883	829	12760
YRKK710 3-4	2800	310.8	1489	96.61	0.923	1.8	2012	847	13130
YRKK710 4-4	3150	356.2	1489	96.63	0.925	1.8	2175	885	14500
YRKK800 1-4	3550	402.2	1489	96.23	0.875	1.8	1980	975	15670
YRKK800 2-4	4000	453.3	1489	96.34	0.877	1.8	2200	1056	16000
YRKK800 3-4	4500	511.6	1489	96.51	0.878	1.8	2465	1093	16780
YRKK710 1-6	1600	182.4	992	96.01	0.891	1.8	1467	667	12500
YRKK710 2-6	1800	205.4	992	96.14	0.892	1.8	1565	674	13000
YRKK710 3-6	2000	228.6	992	96.17	0.898	1.8	1707	831	13580
YRKK710 4-6	2240	256.5	992	96.20	0.899	1.8	1846	869	13800
YRKK800 1-6	2500	286.7	992	95.81	0.853	1.8	2010	901	16500
YRKK800 2-6	2800	321.2	992	95.86	0.855	1.8	2216	932	17200
YRKK800 3-6	3150	362.0	992	95.90	0.861	1.8	2435	952	18500
YRKK800 4-6	3550	414.2	992	95.95	0.863	1.8	2680	976	19230
YRKK710 1-8	1400	170.4	743	95.62	0.854	1.8	1342	625	12000
YRKK710 2-8	1600	195.2	743	95.66	0.855	1.8	1612	733	12500
YRKK710 3-8	1800	214.6	743	95.69	0.858	1.8	1613	689	13120
YRKK710 4-8	2000	239.4	743	95.71	0.860	1.8	1793	772	13760
YRKK800 1-8	2240	267.8	743	95.22	0.833	1.8	1703	777	15900
YRKK800 2-8	2500	300.5	743	95.31	0.837	1.8	1918	912	16670
YRKK800 3-8	2800	335.6	743	95.38	0.840	1.8	2192	900	17500
YRKK900 1-8	3150	374.3	743	95.43	0.841	1.8	2370	878	22900
YRKK900 2-8	3550	421.0	743	95.51	0.843	1.8	2569	916	23450
YRKK900 3-8	4000	472.3	743	95.59	0.847	1.8	2803	949	24630
YRKK710 1-10	1120	138.8	593	95.23	0.829	1.8	1601	482	11580
YRKK710 2-10	1250	152.8	592	95.35	0.833	1.8	1601	543	12560
YRKK710 3-10	1400	171.4	592	95.38	0.837	1.8	1778	556	13455
YRKK710 4-10	1600	195.6	592	95.43	0.829	1.8	1796	632	14570
YRKK800 1-10	1800	221.2	592	94.67	0.812	1.8	1526	632	16500
YRKK800 2-10	2000	246.3	593	94.71	0.815	1.8	1697	741	17200
YRKK800 3-10	2240	276.8	593	94.78	0.820	1.8	1910	825	18210
YRKK900 1-10	2500	306.7	593	94.83	0.823	1.8	1912	811	23500
YRKK900 2-10	2800	344.2	593	94.89	0.827	1.8	2186	904	14020
YRKK900 3-10	3150	384.5	593	94.95	0.829	1.8	2184	882	15980
YRKK900 4-10	3550	433.9	592	94.99	0.833	1.8	2549	1007	26050
YRKK1000 1-10	4000	476	592	95.41	0.825	1.8	1860	1133	32340
YRKK1000 2-10	4500	538	592	95.50	0.827	1.8	2069	1472	33750

Note:

- 1.The technical data listed in each table are only as reference for selecting type.
- 2.The rotor voltage and current in each table above is reference value . $\eta\%$, $\cos\Phi$,and TM is guarantee value.
Error of the weight of the motor is $\pm 15\%$.

YRKK series (6 kV) large size asynchronous motor overall and mounting dimensions figure (mm)



Frame	Poles	Mounting dimension and tolerance										Overall dimension (limit)			
		A	B	C	D	E	t	b	r	H	K	AC	AD	HD	L
710	4-16	1400 ± 2.8	1800 ± 2.8	900 ± 4.2	200 ^{+0.046} _{+0.017}	350 ± 0.70	14 ⁰ _{-0.11}	51	0.7~1.0	710 ⁰ _{-1.3}	56 ^{+0.62} ₀	1900	1320	2700	4500
800	4-16	1600 ± 2.8	2000 ± 2.8		220 ^{+0.046} _{+0.017}		16 ⁰ _{-0.11}	57.1	1.2~1.6	800 ⁰ _{-1.3}		2180	1420	3000	4850
900	4-16	1800 ± 3.5	2240 ± 3.5	1000 ± 4.2	250 ^{+0.046} _{+0.017}	410 ± 0.77	18 ⁰ _{-0.11}	64.6		900 ⁰ _{-1.3}	66 ^{+0.62} ₀	2420	1520	3250	5000
1000	4-16	2000 ± 3.5	2500 ± 3.5		280 ^{+0.052} _{+0.020}	470 ± 0.77	20 ⁰ _{-0.13}	72.1	2.0~2.5	1000 ⁰ _{-1.3}		2700	1620	3650	5400

YR(IP23)/YRKS(IP54) series technical data (10kV)

Model	Rated Output kW	Stator current A	RPM	EFF. (%)	Power Factor CosΦ	BDT FLT $\frac{T_m}{T_n}$	Rotor voltage (V)	Rotor current (A)	WGT (kg)	
									YR	YRKS
YR710 1-4	2240	159	1485	95.5	0.85	1.8	1562	874	11500	12500
YR710 2-4	2500	178	1485	95.6	0.85	1.8	1674	910	12000	13000
YR710 3-4	2800	199	1485	95.6	0.85	1.8	1802	947	12500	13500
YR710 4-4	3150	223	1485	95.7	0.85	1.8	1953	983	13000	14000
YR710 5-4	3550	252	1485	95.8	0.85	1.8	2130	1046	13500	14500
YR800 1-4	4000	280	1486	95.9	0.86	1.8	1609	1503	14500	15800
YR800 2-4	4500	315	1486	96.0	0.86	1.8	1787	1522	15000	16300
YR800 3-4	5000	349	1486	96.1	0.86	1.8	2010	1513	15500	16800
YR800 4-4	5600	391	1486	96.2	0.86	1.8	2298	1473	16000	17300
YR710 1-6	1600	117	990	95.2	0.83	1.8	1107	892	11500	12500
YR710 2-6	1800	131	990	95.3	0.83	1.8	1217	913	12000	13000
YR710 3-6	2000	146	990	95.4	0.83	1.8	1353	912	12500	13500
YR710 4-6	2240	163	990	95.4	0.83	1.8	1522	910	13000	14200
YR710 5-6	2500	182	990	95.5	0.83	1.8	1739	887	13500	14700
YR800 1-6	2800	204	991	95.5	0.83	1.8	1890	900	14500	15500
YR800 2-6	3150	226	991	95.6	0.84	1.8	2047	935	15000	16000
YR800 3-6	3550	255	991	96.7	0.84	1.8	2232	966	16000	17200
YR900 1-6	4000	287	992	95.8	0.84	1.8	2233	1084	17500	19000
YR900 2-6	4500	323	992	95.9	0.84	1.8	2457	1108	18500	20000
YR900 3-6	5000	358	992	96.0	0.84	1.8	2730	1108	19000	20500
YR710 1-8	1250	96	740	94.4	0.8	1.8	1060	735	12000	13000
YR710 2-8	1400	107	740	94.5	0.8	1.8	1156	755	12500	13500
YR710 3-8	1600	122	740	94.6	0.8	1.8	1272	784	13000	14000
YR710 4-8	1800	137	740	94.7	0.8	1.8	1413	794	13500	14700
YR800 1-8	2000	150	741	94.8	0.81	1.8	1266	975	14500	15700
YR800 2-8	2240	168	741	94.9	0.81	1.8	1407	982	15000	16200
YR800 3-8	2500	185	741	95.0	0.82	1.8	1583	974	15500	16700
YR800 4-8	2800	207	741	95.1	0.82	1.8	1809	955	16000	17400
YR900 1-8	3150	233	742	95.2	0.82	1.8	2130	901	18000	20500
YR900 2-8	3550	259	742	95.3	0.82	1.8	2324	931	19000	21500
YR1000 1-8	4000	292	743	95.4	0.83	1.8	2690	1012	21000	25000
YR1000 2-8	4500	328	743	95.5	0.83	1.8	2933	1045	22000	26000
YR1000 3-8	5000	364	743	95.6	0.83	1.8	3227	1055	23000	27000
YR710 1-10	1120	88	591	94.0	0.78	1.8	1145	608	12000	13000
YR710 2-10	1250	98	591	94.1	0.78	1.8	1260	617	12500	13500
YR710 3-10	1400	110	591	94.2	0.78	1.8	1400	622	13000	14200
YR710 4-10	1600	126	591	94.2	0.78	1.8	1574	632	13500	14700

YR800 1-10	1800	139	592	94.3	0.79	1.8	1419	789	14000	15500
YR800 2-10	2000	155	592	94.4	0.79	1.8	1596	780	15000	16500
YR800 3-10	2240	173	592	94.5	0.79	1.8	1824	764	16000	17500

YR(IP23) /YRKS(IP54)series technical data (10kV)

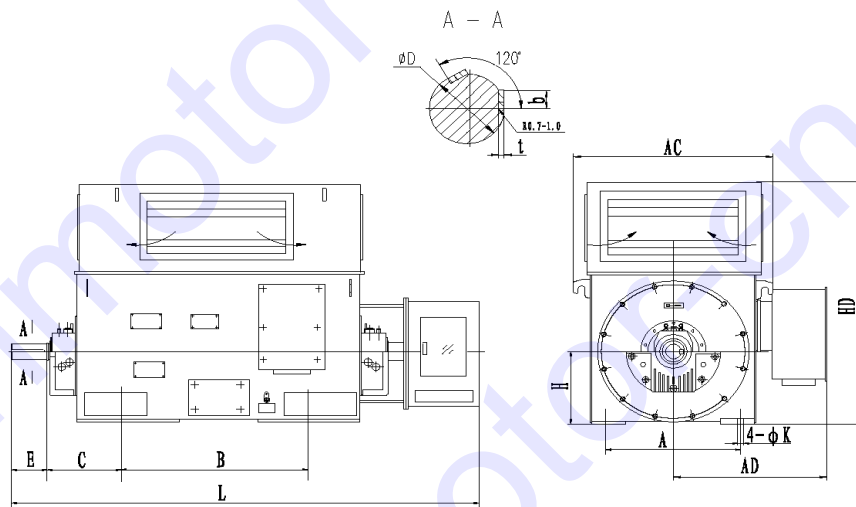
Model	Rated Output kW	Stator current A	RPM	EFF. (%)	Power Factor CosΦ	BDT FLT $\frac{T_m}{T_n}$	Rotor voltage (V)	Rotor current (A)	WGT (kg)	
									YR	YRKS
YR900 1-10	2500	191	593	94.6	0.8	1.8	1957	784	18000	19800
YR900 2-10	2800	213	593	94.7	0.8	1.8	2120	810	19000	21000
YR1000 1-10	3150	237	594	94.8	0.81	1.8	1635	1147	22000	25000
YR1000 2-10	3550	267	594	94.9	0.81	1.8	1870	1130	23000	26000
YR710 1-12	800	66	491	93.3	0.75	1.8	823	604	12000	13000
YR710 2-12	900	74	491	93.4	0.75	1.8	905	617	12500	13500
YR710 3-12	1000	82	491	93.5	0.75	1.8	1005	618	13000	14200
YR710 4-12	1120	92	491	93.6	0.75	1.8	1150	605	13500	15000
YR800 1-12	1250	101	492	93.7	0.76	1.8	913	853	14000	15500
YR800 2-12	1400	113	492	93.8	0.76	1.8	1050	827	15000	16500
YR800 3-12	1600	130	492	93.9	0.76	1.8	1225	809	16000	17500
YR900 1-12	1800	144	493	94.0	0.77	1.8	1337	591	17500	19500
YR900 2-12	2000	159	493	94.1	0.77	1.8	1486	591	18500	20500
YR900 3-12	2240	179	493	94.1	0.77	1.8	1650	596	19000	21000
YR1000 1-12	2500	199	493	94.2	0.77	1.8	1330	1143	21000	24000
YR1000 2-12	2800	223	493	94.3	0.77	1.8	1478	1152	22000	25000
YR1000 3-12	3150	247	493	94.4	0.78	1.8	1665	1150	23000	26000
YR1000 4-12	3550	278	493	94.5	0.78	1.8	1905	1133	24000	27000
YR710 1-16	500	45	370	92.2	0.7	1.8	980	325	12000	13000
YR710 2-16	560	50	370	92.3	0.7	1.8	1061	336	12500	13500
YR710 3-16	630	56	370	92.4	0.7	1.8	1156	347	13000	14000
YR710 4-16	710	63	370	92.5	0.7	1.8	1273	355	13500	14500
YR800 1-16	800	70	370	92.6	0.71	1.8	874	572	14500	16000
YR800 2-16	900	79	370	92.7	0.71	1.8	973	579	15000	16500
YR800 3-16	1000	88	370	92.8	0.71	1.8	1095	571	15500	17000
YR800 4-16	1120	98	370	92.9	0.71	1.8	1254	558	16000	17500
YR900 1-16	1250	109	371	93.0	0.71	1.8	1410	545	17500	19500
YR900 2-16	1400	122	371	93.1	0.71	1.8	1550	555	18500	20500
YR900 3-16	1600	140	371	93.2	0.71	1.8	1723	571	19000	21000

YR1000 1-16	1800	155	371	93.3	0.72	1.8	1560	703	21000	24000
YR1000 2-16	2000	172	371	93.4	0.72	1.8	1732	704	22000	25000
YR1000 3-16	2240	192	371	93.5	0.72	1.8	1952	700	23000	26000
YR1000 4-16	2500	214	371	93.6	0.72	1.8	2215	688	24000	27000

Note:

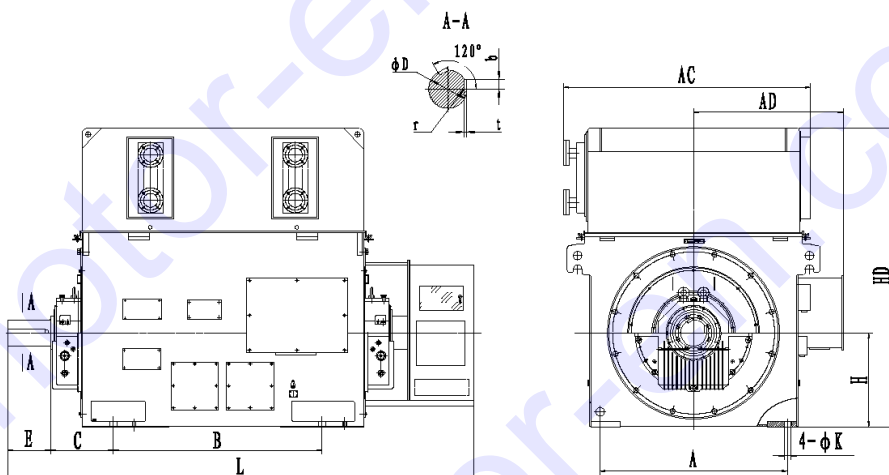
- 1.The technical data listed in each table are only as reference for selecting type.
- 2.The rotor voltage and current in each table above is reference value . $\eta\%$, $\cos\Phi$,and TM is guarantee value.
Error of the weight of the motor is $\pm 15\%$.

YR series (10 kV) large size asynchronous motor overall and mounting dimensions (mm)



Frame	Poles	Mounting dimension and tolerance										Overall dimension (limit)			
		A	B	C	D	E	t	b	r	H	K	AC	AD	HD	L
710	4-16	1400 ± 2.8	1800 ± 2.8	530 ± 4.2	$200^{+0.046}_{+0.017}$	350 ± 0.70	$14^{0}_{-0.11}$	51	0.7~1.0	$710^{0}_{-1.3}$	$56^{+0.62}_{0}$	1900	1320	2500	3800
800	4-16	1600 ± 2.8	2000 ± 2.8		$220^{+0.046}_{+0.017}$		$16^{0}_{-0.11}$	57.1		$800^{0}_{-1.3}$		2180	1420	2700	4000
900	4-16	1800 ± 3.5	2240 ± 3.5	600 ± 4.2	$250^{+0.046}_{+0.017}$	410 ± 0.77	$18^{0}_{-0.11}$	64.6	1.2~1.6	$900^{0}_{-1.3}$	$66^{+0.62}_{0}$	2420	1520	2900	4400
1000	4-16	2000 ± 3.5	2500 ± 3.5		$280^{+0.052}_{+0.020}$	470 ± 0.77	$20^{0}_{-0.13}$	72.1		2.0~2.5		$1000^{0}_{-1.3}$	2700	1620	3200

YRKS series (10 kV) large size asynchronous motor overall and mounting dimensions



Frame	Poles	Mounting dimension and tolerance										Overall dimension (limit)			
		A	B	C	D	E	t	b	r	H	K	AC	AD	HD	L
710	4-16	1400 ± 2.8	1800 ± 2.8	530 ± 4.2	200 ^{+0.046} _{+0.017}	350 ± 0.70	14 ⁰ _{-0.11}	51	0.7~1.0	710 ⁰ _{-1.3}	56 ^{+0.62} ₀	1900	1320	2500	3800
800	4-16	1600 ± 2.8	2000 ± 2.8		220 ^{+0.046} _{+0.017}		16 ⁰ _{-0.11}	57.1	1.2~1.6	800 ⁰ _{-1.3}		2180	1420	2700	4000
900	4-16	1800 ± 3.5	2240 ± 3.5	600 ± 4.2	250 ^{+0.046} _{+0.017}	410 ± 0.77	18 ⁰ _{-0.11}	64.6		900 ⁰ _{-1.3}	66 ^{+0.62} ₀	2420	1520	2900	4400
1000	4-16	2000 ± 3.5	2500 ± 3.5		280 ^{+0.052} _{+0.020}	470 ± 0.77	20 ⁰ _{-0.13}	72.1	2.0~2.5	1000 ⁰ _{-1.3}		2700	1620	3200	4700

YRKK(IP44)/(IP54) series technical data (10kV)

Model	Rated Output kW	Stator current A	RPM	Eff. (%)	Power Factor CosΦ	$\frac{BDT}{FLT} \frac{T_m}{T_n}$	Rotor voltage (V)	Rotor current (A)	WGT (kg)
YRKK710 1-4	2000	139	1483	95.5	0.87	1.8	1562	780	13000
YRKK710 2-4	2240	156	1483	95.6	0.87	1.8	1674	815	13500
YRKK710 3-4	2500	173	1483	95.6	0.87	1.8	1802	846	14100
YRKK710 4-4	2800	193	1483	95.7	0.87	1.8	1953	874	14650
YRKK800 1-4	3150	218	1483	95.7	0.87	1.8	1530	1046	15030
YRKK800 2-4	3550	244	1483	95.8	0.87	1.8	1609	1334	15540
YRKK800 3-4	4000	274	1483	95.8	0.88	1.8	1787	1353	16000
YRKK800 4-4	4500	308	1483	96.0	0.88	1.8	2010	1345	16450
YRKK710 1-6	1400	97.5	993	95.8	0.86	1.8	1107	781	11500
YRKK710 2-6	1600	111.0	993	96.0	0.87	1.8	1217	812	12000
YRKK710 3-6	1800	124.2	993	96.2	0.87	1.8	1353	820	12500
YRKK710 4-6	2000	137.6	993	96.4	0.87	1.8	1502	822	13200
YRKK800 1-6	2240	158.6	995	95.8	0.85	1.8	1739	795	13850
YRKK800 2-6	2500	176.0	995	95.9	0.85	1.8	1890	804	14500
YRKK800 3-6	2800	195.4	995	96.2	0.86	1.8	2047	831	15100
YRKK800 4-6	3150	219.1	995	96.3	0.86	1.8	2232	857	15600
YRKK900 1-6	3550	249.2	994	96.2	0.86	1.8	2233	962	22050
YRKK900 2-6	4000	277.9	994	96.4	0.86	1.8	2457	985	24050
YRKK900 3-6	4500	310.3	994	96.8	0.87	1.8	2730	997	26500
YRKK710 1-8	1250	92.4	741	94.5	0.83	1.8	1156	674	13000
YRKK710 2-8	1400	103.2	741	94.6	0.83	1.8	1272	686	13500
YRKK710 3-8	1600	117.9	741	94.6	0.83	1.8	1413	706	14200
YRKK800 1-8	1800	132.2	742	94.8	0.83	1.8	1266	878	16200
YRKK800 2-8	2000	146.4	742	94.9	0.83	1.8	1407	877	17500
YRKK800 3-8	2240	163.5	742	94.9	0.83	1.8	1583	873	19550
YRKK900 1-8	2500	181.8	742	95.2	0.83	1.8	2650	580	24200
YRKK900 2-8	2800	202.5	742	95.1	0.84	1.8	2643	657	27500
YRKK900 3-8	3150	227.3	742	95.3	0.84	1.8	2720	846	29200
YRKK1000 1-8	3550	245	745	95.4	0.84	1.8	1603	1360	29890
YRKK1000 2-8	4000	274	745	95.4	0.84	1.8	1605	1526	30185
YRKK1000 3-8	4500	306	745	95.5	0.85	1.8	1800	1810	30540
YRKK710 1-10	1000	76.4	593	94.2	0.80	1.8	1145	543	12250
YRKK710 2-10	1120	85.1	594	94.3	0.80	1.8	1260	553	12850
YRKK710 3-10	1250	94.3	594	94.5	0.81	1.8	1400	555	13500
YRKK710 4-10	1400	105.2	595	94.5	0.81	1.8	1573	366	14200

YRKK800 1-10	1600	119.9	596	94.5	0.82	1.8	1419	701	16000
YRKK800 2-10	1800	134.3	596	94.6	0.82	1.8	1596	702	17500
YRKK800 3-10	2000	148.6	596	94.6	0.82	1.8	1824	682	19250

YRKK(IP44)/(IP54) series technical data (10kV)

Model	Rated Output kW	Stator current A	RPM	Eff. (%)	Power Factor CosΦ	BDT FLT T _m T _n	Rotor voltage (V)	Rotor current (A)	WGT (kg)
YRKK900 1-10	2240	165.8	595	94.8	0.82	1.8	1957	702	24000
YRKK900 2-10	2500	184.0	595	95.1	0.83	1.8	2120	723	26500
YRKK1000 1-10	2800	198	595	95.2	0.83	1.8	1779	951	26980
YRKK1000 2-10	3150	223	595	95.4	0.83	1.8	1556	1232	27670
YRKK710 1-12	710	57.9	498	93.5	0.76	1.8	823	536	12400
YRKK710 2-12	800	64.5	498	93.6	0.76	1.8	905	548	13200
YRKK710 3-12	900	72.1	496	93.9	0.77	1.8	1005	556	13900
YRKK710 4-12	1000	78.9	496	94.1	0.78	1.8	1150	540	14500
YRKK800 1-12	1120	88.1	497	94.2	0.78	1.8	913	764	16650
YRKK800 2-12	1250	98.0	497	94.3	0.78	1.8	1050	738	17500
YRKK800 3-12	1400	109.4	497	94.4	0.78	1.8	1225	722	18300
YRKK900 1-12	1600	124.5	498	94.4	0.79	1.8	1337	525	21500
YRKK900 2-12	1800	138.9	498	94.5	0.79	1.8	1486	532	22700
YRKK900 3-12	2000	153.4	498	94.6	0.80	1.8	1650	532	24000
YRKK1000 1-12	2240	171	498	94.5	0.78	1.8	1471	933	31500
YRKK1000 2-12	2500	189	498	94.5	0.78	1.8	1280	1197	32895
YRKK1000 3-12	2800	211	498	94.6	0.79	1.8	1423	1203	33020
YRKK1000 4-12	3150	237	498	94.6	0.79	1.8	1603	1199	34455
YRKK710 2-16	500	43.2	371	92.8	0.72	1.8	1061	300	14500
YRKK710 3-16	560	48.0	371	92.8	0.72	1.8	1156	308	15200
YRKK710 4-16	630	53.8	372	92.9	0.73	1.8	1273	315	15850
YRKK800 1-16	710	60.4	373	93.0	0.73	1.8	874	508	16250
YRKK800 2-16	800	67.6	373	93.1	0.73	1.8	973	515	17500
YRKK800 3-16	900	75.7	373	93.2	0.74	1.8	1095	514	18700
YRKK800 4-16	1000	83.9	372	93.4	0.74	1.8	1254	498	19850
YRKK900 1-16	1120	94.1	373	93.5	0.74	1.8	1410	488	19850
YRKK900 2-16	1250	104.7	373	93.6	0.74	1.8	1550	496	21450
YRKK900 3-16	1400	116.9	373	93.7	0.74	1.8	1723	500	22800

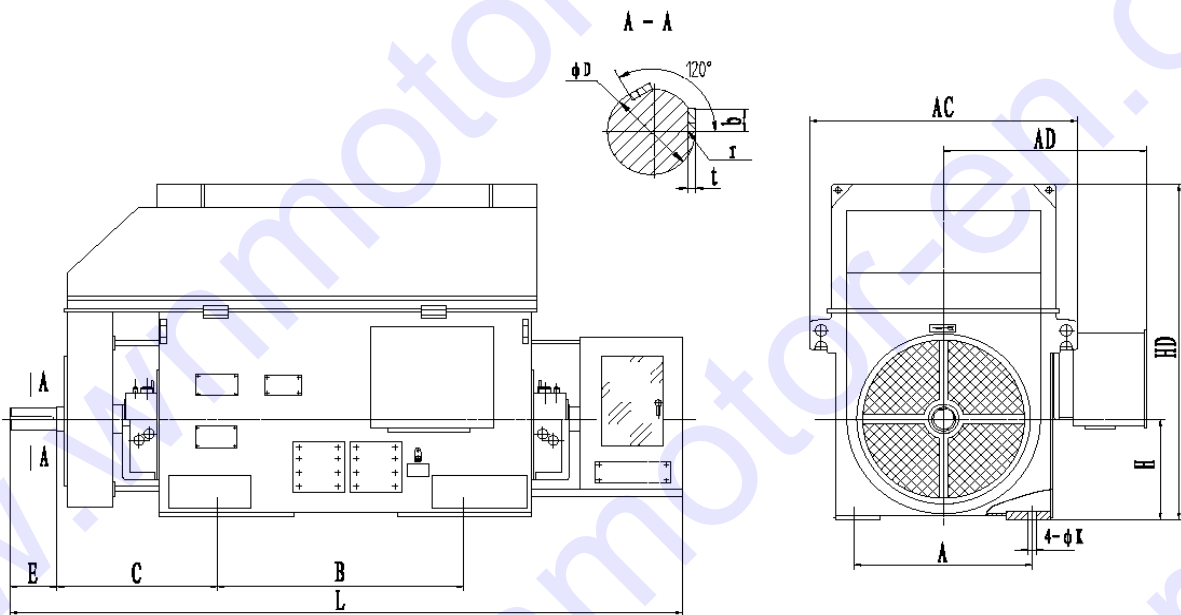
YRKK1000	1600	132					1612	610	31060
1-16	1800	136					1476	754	32380
YRKK1000	2000	151	374	93.6	0.74	1.8	1640	752	33675
2-16			374	93.6	0.74	1.8			
YRKK1000			374	93.6	0.74	1.8			
3-16									

Note:

1. The technical data listed in each table are only as reference for selecting type.
2. The rotor voltage and current in each table above is reference value . η %, $\cos\Phi$,and TM is guarantee value.

Error of the weight of the motor is $\pm 15\%$.

YRKK series (10 kV) large type asynchronous motor overall and mounting dimensions figure (mm)



Frame	Poles	Mounting dimension and tolerance										Overall dimension (limit)			
		A	B	C	D	E	t	b	r	H	K	AC	AD	HD	L
710	4-16	1400 ± 2.8	1800 ± 2.8	900 ± 4.2	200 ^{+0.046} / _{+0.017}	350 ± 0.70	14 ⁰ / _{-0.11}	51	0.7~1.0	710 ⁰ / _{-1.3}	56 ^{+0.62} / ₀	1900	1320	2700	4500
800	4-16	1600 ± 2.8	2000 ± 2.8	1000 ± 4.2	220 ^{+0.046} / _{+0.017}		16 ⁰ / _{-0.11}	57.1	1.2~1.6	800 ⁰ / _{-1.3}		66 ^{+0.62} / ₀	2180	1420	3000
900	4-16	1800 ± 3.5	2240 ± 3.5		250 ^{+0.046} / _{+0.017}	410 ± 0.77	18 ⁰ / _{-0.11}	64.6		900 ⁰ / _{-1.3}	2420		1520	3250	5000
1000	4-16	2000 ± 3.5	2500 ± 3.5		280 ^{+0.052} / _{+0.020}	470 ± 0.77	20 ⁰ / _{-0.13}	72.1	2.0~2.5	1000 ⁰ / _{-1.3}	2700		1620	3650	5400