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YRKS series High Voltage Motors
(H355~630)

SIMO IMPORT & EXPORT CORP., LTD.

Brief introduction for YRKS series motors

Brief Introduction

YRKS series 6kV (10kV) motors are wound rotor three phase induction motors. The protection degree of it is IP44 or IP54, and cooling method is ICW81A.

The motor has such advantage as high efficiency, energy saving, low noise, low vibration, light weight and reliable performance. It's easy for installation and maintenance as well.

The motor could generate larger starting torque at the state of relatively lower starting current. It is used where the capacity of the feeder line is insufficient to start a squirrel cage motor or where the longer starting time and frequent starting are needed, or where adjustment of speed is needed within limited range such as windlass, press machines, drawing machines.

The base features as follow:

Rated voltage: 6kV, 10kV

Rated frequency: 50Hz

Protection degree: IP44, IP54

Cooling method: ICW81A

Insulation class: F

Ambient temperature: not exceed 40

Altitude: not exceed 1000 meters

Technical Data see the following list.

Type	Rated	Rated	Speed	Efficiency	Power	Max. torque	Rotor	Rotor	Weight	Lubrication
	power	current			factor	Rated torque				
	kW	A	r/min	%	COSΦ		V	A	kg	h
YRKS4001-4	200	15.1	1485	91.3	0.84	1.8	378	319	3270	1000
YRKS4002-4	220	16.5	1485	91.6	0.84	1.8	404	328	3379	1000
YRKS4003-4	250	18.7	1485	91.9	0.84	1.8	433	348	3488	1000
YRKS4004-4	280	20.9	1485	92.2	0.84	1.8	468	361	3597	1000
YRKS4501-4	315	23.4	1482	92.5	0.84	1.8	406	473	3575	1000
YRKS4502-4	355	26.3	1482	92.8	0.84	1.8	468	459	3465	1000
YRKS4503-4	400	29.2	1482	93.1	0.85	1.8	507	477	3553	1000
YRKS4504-4	450	32.8	1482	93.3	0.85	1.8	530	514	3685	1000
YRKS4505-4	500	36.3	1482	93.6	0.85	1.8	578	522	3759	1000
YRKS4506-4	560	40.6	1482	93.8	0.85	1.8	610	556	3932	1000
YRKS5001-4	630	45.4	1479	94.2	0.85	1.8	856	440	4207	1000
YRKS5002-4	710	51.0	1479	94.6	0.85	1.8	922	462	4895	1000
YRKS5003-4	800	56.7	1479	94.7	0.86	1.8	973	494	5062	1000
YRKS5004-4	900	63.7	1479	94.8	0.86	1.8	1002	542	5284	1000
YRKS5005-4	1000	70.7	1479	94.9	0.86	1.8	1092	550	5443	1000
YRKS5601-4	1120	78.2	1487	95.1	0.87	1.8	850	789	7215	1000
YRKS5602-4	1250	87.1	1487	95.2	0.87	1.8	917	818	7493	1000
YRKS5603-4	1400	97.5	1487	95.3	0.87	1.8	994	846	7770	1000
YRKS6301-4	1600	110.0	1488	95.4	0.88	1.8	1165	823	8547	2000
YRKS6302-4	1800	123.7	1488	95.5	0.88	1.8	1284	841	8769	2000
YRKS6303-4	2000	137.3	1488	95.6	0.88	1.8	1427	839	9184	2000

Type	Rated power	Rated current	Speed	Efficiency	Power factor	Max. torque	Rotor voltage	Rotor current	Weight	Lubrication period
	kW	A	r/min	%	COSΦ	Rated torque				
							V	A	kg	h
YRKS4001-6	200	16.2	985	91.3	0.78	1.8	383	314	3597	2000
YRKS4002-6	220	17.8	985	91.6	0.78	1.8	407	325	3673	2000
YRKS4003-6	250	20.1	985	91.9	0.78	1.8	434	346	9795	2000
YRKS4503-6	280	21.6	987	92.2	0.81	1.8	419	403	3216	2000
YRKS4504-6	315	24.3	987	92.4	0.81	1.8	471	403	3368	2000
YRKS4505-6	355	27.3	987	92.6	0.81	1.8	508	422	3532	2000
YRKS4506-6	400	30.7	987	92.8	0.81	1.8	511	438	3597	2000
YRKS5001-6	450	34.5	987	93.1	0.81	1.8	714	378	4220	2000
YRKS5002-6	500	38.2	987	93.4	0.81	1.8	810	370	4370	2000
YRKS5003-6	560	42.6	987	93.6	0.81	1.8	847	397	4520	2000
YRKS5004-6	630	47.3	987	93.8	0.82	1.8	907	417	4770	2000
YRKS5005-6	710	53.2	987	94.0	0.82	1.8	936	457	4820	2000
YRKS5601-6	800	58.3	989	94.3	0.84	1.8	795	604	6438	2000
YRKS5602-6	900	65.5	989	94.5	0.84	1.8	847	638	6660	2000
YRKS5603-6	1000	71.7	989	94.7	0.85	1.8	909	662	6882	2000
YRKS5604-6	1120	80.2	989	94.9	0.85	1.8	979	688	6882	2000
YRKS6301-6	1250	89.3	989	95.1	0.85	1.8	978	767	8159	2000
YRKS6302-6	1400	99.8	989	95.3	0.85	1.8	1060	793	8436	2000
YRKS6303-6	1600	113.9	989	95.4	0.85	1.8	1276	751	8603	2000

Type	Rated	Rated	Speed	Efficiency	Power	Max. torque	Rotor	Rotor	Weight	Lubrication
	power	current				factor				
	kW	A	r/min	%	COSΦ		V	A	kg	h
YRKS500-8C	200	17.1	740	91.3	0.74	1.8	496	241	4120	2000
YRKS500-8B	220	18.7	740	91.6	0.74	1.8	496	265	4229	2000
YRKS500-8A	250	21.0	740	91.8	0.74	1.8	521	287	4323	2000
YRKS5001-8	280	23.4	740	92.2	0.75	1.8	548	307	4496	2000
YRKS5002-8	315	26.3	740	92.3	0.75	1.8	577	328	4539	2000
YRKS5003-8	355	29.5	740	92.5	0.75	1.8	637	333	4662	2000
YRKS5004-8	400	33.2	740	92.8	0.75	1.8	676	355	4607	2000
YRKS5005-8	450	36.2	740	93.1	0.77	1.8	718	376	4759	2000
YRKS5006-8	500	40.2	740	93.3	0.77	1.8	732	411	5017	2000
YRKS5601-8	560	43.7	740	93.6	0.79	1.8	792	424	5994	2000
YRKS5602-8	630	49.1	740	93.8	0.79	1.8	845	447	6294	2000
YRKS5603-8	710	55.2	740	94.0	0.79	1.8	906	472	9516	2000
YRKS5604-8	800	62.1	740	94.2	0.79	1.8	975	494	6549	2000
YRKS6301-8	900	67.1	741	94.4	0.82	1.8	977	551	7049	2000
YRKS6302-8	1000	74.4	741	94.6	0.82	1.8	1059	565	7837	2000
YRKS6303-8	1120	83.2	741	94.8	0.82	1.8	1157	580	8092	2000

Type	Rated	Rated	Speed	Efficiency	Power	Max. torque	Rotor	Rotor	Weight	Lubrication
	power	current			factor	Rated torque				
	kW	A	r/min	%	COSΦ		V	A	kg	h
YRKS5001-10	200	17.7	592	90.8	0.72	1.8	515	231	4088	3000
YRKS5002-10	220	19.4	592	91.1	0.72	1.8	571	229	4187	3000
YRKS5003-10	250	21.9	592	91.4	0.72	1.8	602	247	4404	3000
YRKS5004-10	280	24.5	592	91.7	0.72	1.8	639	261	4664	3000
YRKS5005-10	315	27.4	592	92.1	0.72	1.8	680	277	4884	3000
YRKS5006-10	355	30.9	592	92.2	0.72	1.8	726	293	5104	3000
YRKS5601-10	400	33.8	592	92.4	0.74	1.8	691	348	5961	3000
YRKS5602-10	450	37.3	592	92.8	0.75	1.8	737	367	6006	3000
YRKS5603-10	500	41.4	592	92.9	0.75	1.8	790	380	6083	3000
YRKS5604-10	560	45.6	592	93.2	0.76	1.8	851	396	6325	3000
YRKS5605-10	630	51.2	592	93.4	0.76	1.8	923	411	6538	3000
YRKS6301-10	710	56.1	591	93.7	0.78	1.8	888	479	7667	3000
YRKS6302-10	800	63.1	591	93.8	0.78	1.8	964	500	8014	3000
YRKS6303-10	900	70.9	591	93.9	0.78	1.8	1154	461	8217	3000
YRKS6304-10	1000	78.7	591	94.1	0.78	1.8	1285	461	8602	3000
YRKS5601-12	280	24.6	492	91.4	0.72	1.8	623	267	7007	3000
YRKS5602-12	315	27.6	492	91.5	0.72	1.8	661	284	7248	3000
YRKS5603-12	355	31.1	492	91.6	0.72	1.8	702	302	7245	3000
YRKS5604-12	400	34.9	492	91.8	0.72	1.8	750	319	7590	3000
YRKS5605-12	450	39.1	492	92.2	0.72	1.8	804	336	7688	3000
YRKS6301-12	500	42.8	492	92.4	0.73	1.8	798	374	7733	3000
YRKS6302-12	560	47.1	492	92.8	0.74	1.8	859	388	8019	3000
YRKS6303-12	630	52.8	492	93.1	0.74	1.8	931	404	8294	3000
YRKS6304-12	710	59.3	492	93.4	0.74	1.8	1116	375	8679	3000