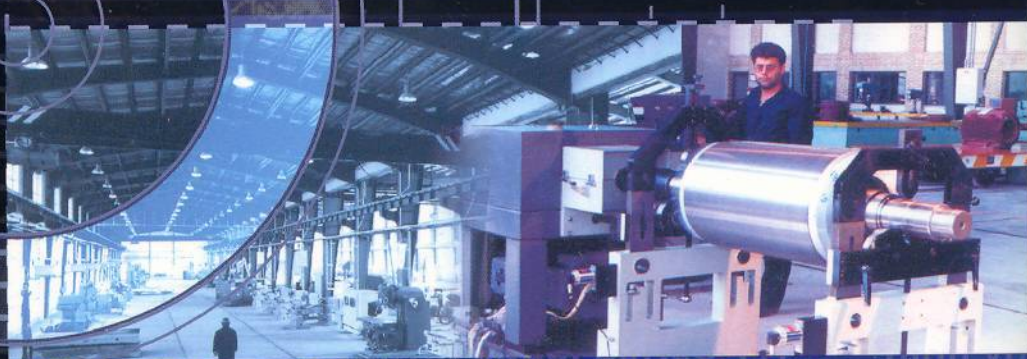


JEMCO

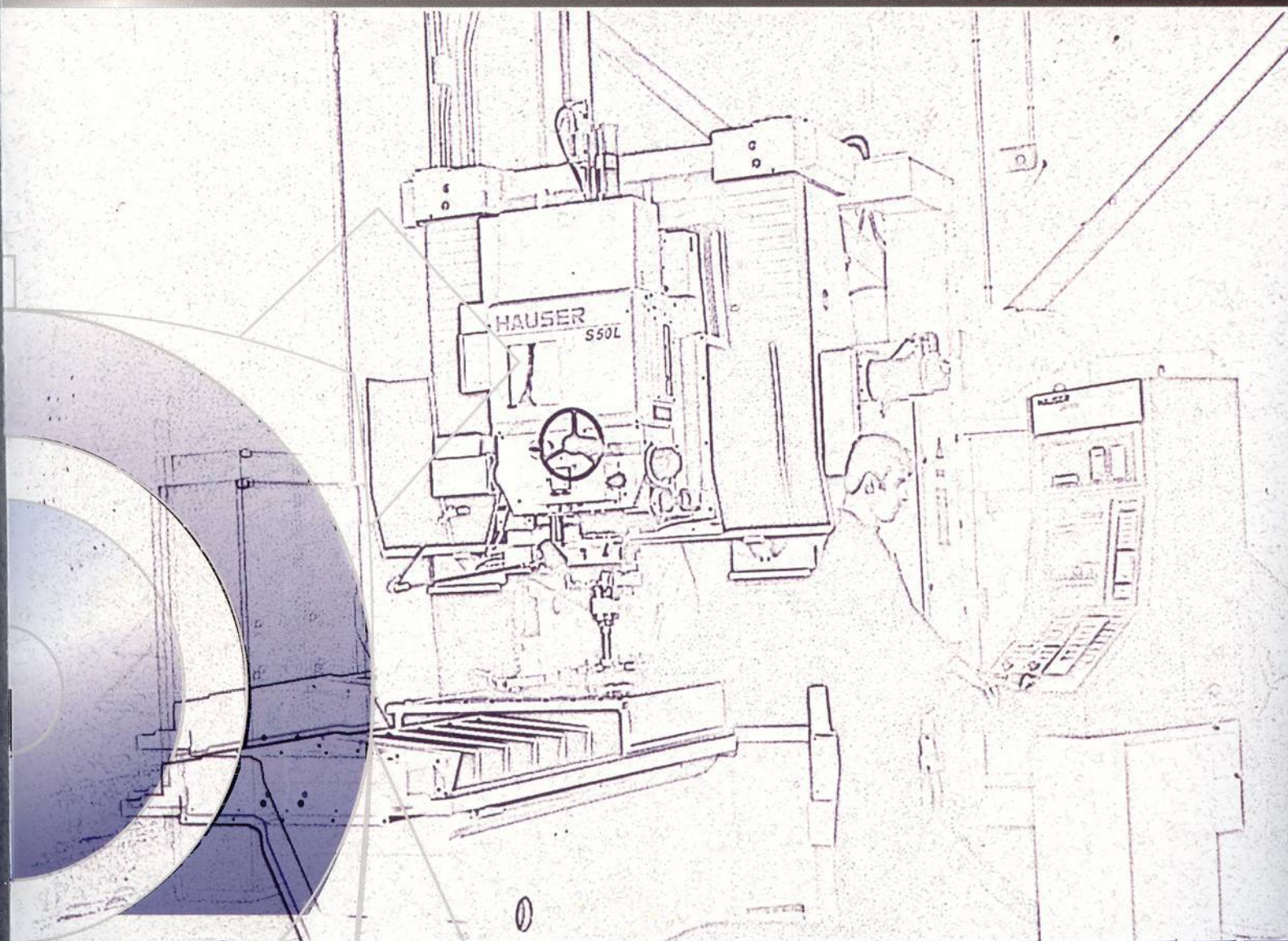
JOVAIN ELECTRICAL MACHINES INDUSTRIES CO .



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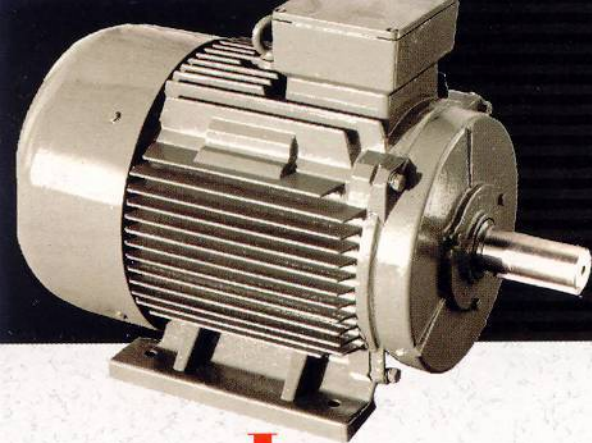
300V) motors wound rotor-type, series YJS low voltage
300V) motors compact-type, series YJS low voltage
300V) motors compact-type, series YJS low voltage
explosion - proof motors under license cenl & comp
explosion - proof motors with cooperation of loher L

L MACHINES INDUSTRIES CO.



1 YEAR GUARANTEE & UNLIMITED AFTER SALES SERVICES

JOVAIN ELECTRICAL MACHINES INDUSTRIES COMPANY.....
 voltage (380V) motors, squirrel cage, series YD high voltage (6000V) motors wound rotor-type, series YR low voltage explosion - proof motors, series YJS low voltage (400V) brush less synchronous motors, series DKBH JOVAIN ELECTRICAL MACHINES INDUSTRIES COMPANY.....
 voltage (380V) motors, squirrel cage, series YL high voltage (6000V) motors wound rotor-type, series YR low voltage explosion - proof motors, series YJS low voltage (400V) brush less synchronous motors, series DKBH JOVAIN ELECTRICAL MACHINES INDUSTRIES COMPANY.....
 voltage (380V) motors, squirrel cage, series YH high voltage (10000V) motors wound rotor-type, series YR low voltage explosion - proof motors, series YJS low voltage (400V) brush less synchronous motors, series DKBH JOVAIN ELECTRICAL MACHINES INDUSTRIES COMPANY.....
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 voltage (6000V) motors compact-type, series YJS low voltage explosion - proof motors, series YJS low voltage (400V) brush less synchronous motors, series DKBH JOVAIN ELECTRICAL MACHINES INDUSTRIES COMPANY.....
 voltage (10000V) motors compact-type, series YJS low voltage explosion - proof motors, series YJS low voltage (400V) brush less synchronous motors, series DKBH JOVAIN ELECTRICAL MACHINES INDUSTRIES COMPANY.....
 voltage explosion - proof motors under license ceni & comp JOVAIN ELECTRICAL MACHINES INDUSTRIES COMPANY.....



JOVAIN ELECTRICAL

Jovain Electrical Machines Industries company, «JEMCO» affiliated with the industrial development and renovation organization (IDRO), was founded in 1990 in order to satisfy all the industries demands in the field of heavy electrical machines. The factory is built upon an area of 250 hectares, with 60,000 square meters of useful space, with eight production departments.

The JEMCO factory is equipped with the most modern technical facilities along with highly qualified and experienced personnel (engineers and technicians) and hence, most capable to design manufactures in accordance to I.E.C standards the products consisting of different types of three phase, industrial electric motors and generators ranging 15kw and above output power.

The annual production capacity is 1200MW equivalent to 12680 units of electrical machines as listed in the table below.

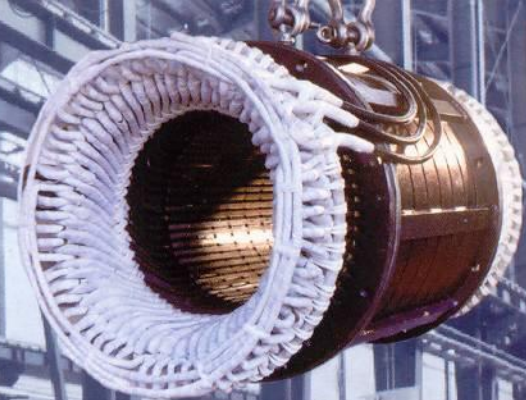
	Frame size	No.of poles	Power range(kw)
Low voltage (380V) motors, squirrel cage, series YD,	180-280	2,4,6	15-90
Low voltage(380v) motors ,squirrel cage, series yu	315-400	2,4,6	75-450
High voltage (6000V) motors squirrel cage. series YH	355-560	4,6,8,	220-2000
High voltage (6000V) motors wound rotor-type,series YR	355-560	4,6,8	220-1800
High voltage (6000V) motors compact-type,series YJS	400-560	2,4,6,8,	220-1600
High voltage (10000V) motors compact-type,series YJS	450-560	2,4,6,8	220-1600
Low voltage explosion - proof motors under license ceni & cemp	63-315	2,4,6,8	0.09-160
High voltage explosion - proof motors with cooperation of loher	-	2,4,6,8	up To 10 MW
Low voltage(400V) brush less synchronous generators, series DKBH	-	4,6	35-1250



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شرکت صنایع ماشین‌های الکتریکی جوبین (جمکو)
Jovain Electrical Machines Industries Co. (JEMCO)



گارانتی ، يك سال

خدمات پس از فروش ، نامحدود

شرکت صنایع ماشین‌های الکتریکی جوبین (جمکو) از شرکتهای تابع سازمان گسترش و نوسازی صنایع ایران می‌باشد که در سال ۱۳۶۹ به منظور رفع نیاز صنایع مختلف در زمینه ماشین‌های الکتریکی تاسیس گردید.

این کارخانه در زمینی به مساحت ۲۵۰ هکتار، با زیر بنایی حدود ۶۰۰۰۰ متر مربع و با ۸ کارگاه تولیدی ساخته شده است. شرکت جمکو به واسطه کادر متخصص و مجرب خود و تجهیزات و ماشین‌آلاتی که در اختیار دارد امکان طراحی، ساخت تست و تعمیر انواع الکتروموتور و ژنراتور در ایران را دارا می‌باشد.

تولیدات جمکو شامل انواع الکترو موتورهای سه فاز صنعتی از ۱۵ کیلووات به بالا مطابق با استاندارد IEC می‌باشد و کلیه تست‌های لازم طبق استانداردهای معتبر جهانی و با تجهیزات پیشرفته انجام می‌پذیرد. تولیدات شرکت جمکو با ظرفیت ۱۲۰۰ مگاوات در سال معادل ۱۲۶۸۰ دستگاه الکترو موتور و ژنراتور در انواع زیر می‌باشد.

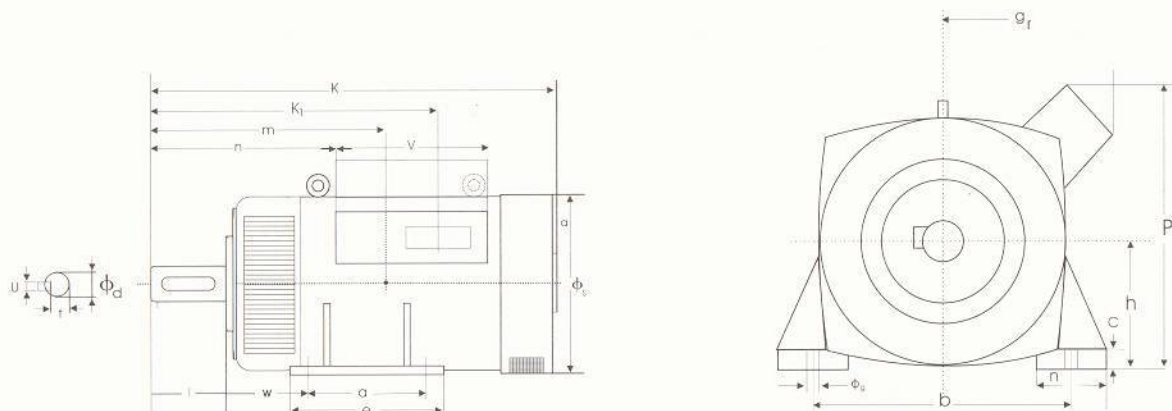
نوع	اندازه فریم	تعداد قطب	دامنه قدرت
موتورهای فشار ضعیف ۳۸۰ ولت قفس سنجابی سری YD	۱۸۰-۲۸۰	۲،۴،۶	۱۵-۹۰
موتورهای فشار ضعیف ۳۸۰ ولت قفس سنجابی سری YU	۳۱۵-۴۰۰	۲،۴،۶	۷۵-۴۵۰
موتورهای فشار قوی ۶۰۰۰ ولت قفس سنجابی سری YH	۳۵۵-۵۶۰	۴،۶،۸	۲۲۰-۲۰۰۰
موتورهای فشار قوی ۶۰۰۰ ولت روتور سیم پیچی شده سری YR	۳۵۵-۵۶۰	۴،۶،۸	۲۲۰-۱۸۰۰
موتورهای فشار قوی ۶۰۰۰ ولت COPACT سری YJS	۴۰۰-۵۶۰	۲،۴،۶،۸	۲۲۰-۱۶۰۰
موتورهای فشار قوی ۱۰۰۰۰ ولت COPACT سری YJS	۴۵۰-۵۶۰	۲،۴،۶،۸	۲۲۰-۱۶۰۰
موتورهای ضد انفجار فشار ضعیف تحت لیسانس CENI فرانسه و CEMP ایتالیا	۶۳-۳۱۵	۲،۴،۶،۸	۰،۹-۱۶۰
موتورهای ضد انفجار فشار قوی با همکاری لوهر آلمان	-	۲،۴،۶،۸	تا ۱۰ مگاوات
ژنراتورهای سنکرون بدون جاروبک ۴۰۰ ولت سری DKBH	-	۴-۶	۳۵-۱۲۵۰

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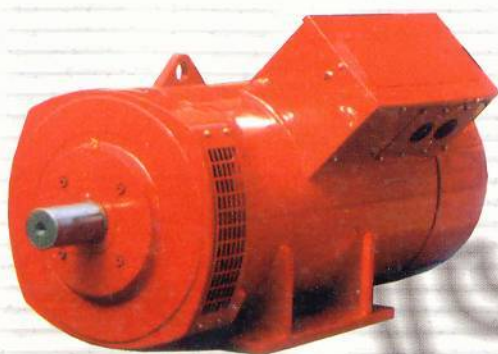
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high voltage (6000V) motors squirrel cage, series YH JOVAIN ELECTRICAL MACHINE
ANY..... Low voltage (380V) motors, squirrel cage, series YD, JOVAIN ELEC
high voltage (6000V) motors wound rotor-type, series YR JOVAIN ELECTRICAL MACHIN
high voltage (6000V) motors compact-type, series YJS high voltage (6000V) motors squir
high voltage (10000V) motors compact-type, series YJS low voltage explosion - proof m



Type	a±1	b±1	c	e	f	φ ₉	g _r	+0.0 h-0.5	K	K ₁	Q	V	n	φ _s	W _l	p	φ _d	L	t	u	m	
4222.04	311			380					807	490	235							55	110	49	16	400
4224.04	311	356	18		450	430	355	225	839	522	267	325	100	19	149	560						430
4226.04	356								917	600	345							60	140	53	18	480
4228.04	356			425			635		987	670	318	422				590						510
4253.04																						610
4254.04	406	406	22	490	500	480	380	250	1157	754	402	500	100	24	254	630	75	140	67.5	20		590
4283.04																						716
4284.04	457	457	27	540	560	540	510	280	1293	770	434	530	120	24	254	790	85	170	76	22		706
4285.04																						683
4286.04									1409	885	550											787
4318.04																						730
4319.04																						738
4319.06									1347	846	444											678
4320.04																						720
4320.06	508	508	27	600	650	610	545	315				600	140	28	254	860	95	170	86	25		720
4321.04																						815
4321.06									1457	956	554											770
4322.04																						785
4322.06																						740
4358.04																						783
4358.06									1459	928	526											705
4359.04	560	610	27	660	750	680	565	355				600	140	28	280	920	100	170	90	28		860
4359.06																						782
4360.04									1559	1026	626											835
4360.06																						752
4403.06	560			680					1713	898	501											778
4404.06							625		1813	998	601					1025						828
4405.04									1736	977	577	600					100	170	90			796
4405.06	630			750					1813	998	601											796
4406.04							720		1800	1041	641					1120						828
4406.06									1863	1048	651				355							864
4407.04	710	686	35		845	780		400	1925	1092	616		150	35						28		911
4407.06				830					1978	1145	769											911
4408.04	800			975					2065	1232	756	750				1150	110	210	100			981
4408.06							750		2118	1285	809											981
4409.04	900			1015					2105	1272	796				375							1001
4409.06									2158	1325	849											

Type /Poles	Capacity	Power input KW		Efficiency %				Electric Parameters										Weight	Moment of inertia
	KVA	cosφ=0.8	cosφ=1	cosφ=0.8		cosφ=1		R _G	X _G	X _q	X _{d'}	X _{d''}	X _{q'}	T _{do}	T _{d'}	T _{d''}	T _a	kg	J kg.m ²
				3/4	4/4	3/4	4/4	Ω	%	%	%	%	%	s	ms	ms	ms		
				3/4	4/4	3/4	4/4	Ω	%	%	%	%	%	s	ms	ms	ms		
4222/04	35	33.4	40	85.8	83.6	89.1	87.4	0.2780	257	102.0	20.7	12.8	13.1	0.81	65.3	2.2	4.7	300	0.6
4224/04	45	41.7	50.3	88.0	86.3	90.8	89.5	0.1710	248	97.7	17.6	11.1	11.6	0.91	64.8	2.1	5.1	330	0.72
4226/04	60	54.2	65.7	89.8	88.5	92.3	91.3	0.1000	240	94.2	15.3	9.9	10.4	1.01	64.3	2.0	5.9	380	0.9
4228/04	80	71.2	86.6	90.9	89.8	93.2	92.4	0.0630	232	90.9	13.5	8.9	9.5	1.10	63.9	2.0	6.3	450	1.2
4253/04	100	88.1	107	91.4	90.8	93.5	93.1	0.0430	251	97.7	13.9	8.6	9.3	1.74	96.3	4.3	7.0	550	1.9
4254/04	120	106	129	91.2	90.5	93.5	93.1	0.0340	251	97.7	13.6	8.5	9.1	1.45	78.7	3.5	7.1	595	1.9
4283/04	150	131	160	92.2	91.4	94.1	93.4	0.0280	361	141.0	21.3	12.9	13.6	2.14	127	4.8	10.6	650	2.7
4284/04	175	153	187	92.1	91.3	94.2	93.5	0.0230	347	135.0	20.1	12.2	12.9	1.79	104	4.4	10.3	680	2.8
4285/04	200	174	213	92.7	92.0	94.6	94.1	0.0180	338	131.0	18.5	11.3	12.1	1.88	103	4.3	10.8	750	3.2
4286/04	240	207	254	93.3	92.6	95.0	94.5	0.0140	341	132.0	17.5	10.8	11.7	2.00	103	4.3	11.4	850	3.9
4318/04	250	217	265	93.0	92.3	94.7	94.2	0.0140	351	137.0	21.8	13.3	14	2.12	131	10.1	12.9	950	4.8
4319/04	300	259	318	93.2	92.5	94.9	94.4	0.0116	336	131.0	19.7	12.2	13.0	2.23	131	9.9	12.0	980	5.2
4320/04	340	292	359	93.6	93.0	95.3	94.8	0.0094	345	134.0	19.4	12.1	12.9	2.32	131	9.8	13.0	1060	5.6
4321/04	380	326	400	93.9	93.3	95.5	95.0	0.0081	346	135.0	18.6	11.7	12.6	2.42	130	9.7	13.2	1170	6.2
4322/04	420	358	440	94.4	93.8	95.8	95.4	0.0064	336	130.0	17.3	10.9	11.9	2.52	129	9.6	14.1	1250	6.7
4358/04	450	388	476	93.8	92.9	95.2	94.5	0.0068	449	175.0	26.6	16.2	17.2	3.51	208	14.1	18.2	1470	8.8
4359/04	500	426	525	94.5	93.8	95.8	95.3	0.0057	446	173.0	25.2	15.5	16.5	3.66	207	13.9	18.6	1470	8.8
4360/04	560	475	585	94.9	94.3	96.1	95.7	0.0046	434	169.0	23.5	14.5	15.6	3.81	207	13.7	19.4	1640	10
4405/04	660	570	699	93.4	92.7	94.9	94.4	0.0039	447	174.0	26	15.6	16.5	3.53	205	17.4	21.1	2000	18
4406/04	800	685	843	94.0	93.4	95.4	94.9	0.0030	466	181.0	25.4	15.4	16.5	4.75	259	17.4	22.4	2240	22
4407/04	960	815	1005	94.7	94.2	95.9	95.5	0.0021	463	179.0	23.7	14.5	15.7	5.03	258	17.1	24.9	2420	26
4408/04	1150	970	1198	95.2	94.8	96.3	96.0	0.0015	450	174.0	21.4	13.2	14.6	5.39	256	16.6	26.3	2820	32
4409/04	1250	1056	1303	95.2	94.7	96.3	95.9	0.0015	519	200.0	24.2	15.1	16.6	5.48	256	16.6	28.0	2940	33
4319/06	190	166	203	92.3	91.3	94.4	93.7	0.0219	218	86.9	18.9	11.7	11.9	1.38	120	5.9	9.8	1050	6.2
4320/06	210	183	223	92.7	91.9	94.8	94.1	0.0181	218	86.6	18.3	11.4	11.6	1.42	120	5.8	10.5	1100	6.8
4321/06	235	203	248	93.3	92.2	95.2	94.7	0.0136	215	85.5	17.6	11.0	11.2	1.46	120	5.8	12	1150	7.7
4322/06	260	224	274	93.4	92.6	95.2	94.7	0.0130	213	84.7	16.8	10.6	10.8	1.52	120	5.7	11.1	1200	8.6
4358/06	330	287	351	93.1	92.1	94.9	94.1	0.0107	285	113	21.9	14.2	14.6	2.08	160	9.5	13.9	1400	12
4359/06	376	320	391	93.6	92.6	95.3	94.6	0.0087	280	111	20.6	13.4	14.0	2.16	159	9.4	14.6	1500	13
4360/06	410	352	432	93.9	93.1	95.5	94.9	0.0071	263	104	18.6	12.2	12.8	2.24	159	9.3	14.7	1600	15
4403/06	450	395	482	92.4	90.7	94.3	93.3	0.0081	353	140	25.6	16.8	17.5	3.23	235	15.5	15.7	1900	20
4404/06	510	443	542	93.1	91.7	94.9	94.1	0.0061	322	127	22.1	14.6	15.4	3.40	233	15.2	15.9	2100	24
4405/06	580	501	614	93.6	92.4	95.2	94.5	0.0049	324	127	21.3	14.1	14.9	3.51	230	15	16.8	2200	26
4406/06	640	551	676	93.8	92.7	95.4	94.7	0.0043	324	127	20.6	13.8	14.6	3.63	231	14.8	17.2	2300	29
4407/06	720	615	756	94.4	93.5	95.8	95.3	0.0033	314	123	19.0	12.7	13.7	3.75	228	14.6	18.5	2600	33
4408/06	820	698	859	94.7	94.0	96.0	95.5	0.0027	309	121	18.1	12.2	13.2	3.88	228	14.4	19.1	2800	37
4409/06	910	770	948	95.0	94.5	96.4	96.0	0.0020	277	108	15.5	10.5	11.5	4.02	226	14.2	19.8	3100	40



JEMCO

LOW VOLTAGE EXPLOSION- PROOF MOTORS

TECHNICAL DATA

Three-phase motors

1

Speed

EEx-d IIB
EEx-de IIB
EEx-d IIC
EEx-de IIC

T5 T4 T3

750

rpm

rated data at 400 V, 50 Hz

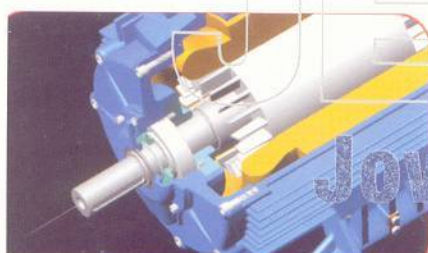
direct on line start

Motor type				Rated output	Speed	Current	Efficiency	Power factor	Torque	Starting current	Starting torque	Maximum torque	Sound Pressure	Moment of Mass Inertia	Class T	
EEx-d IIB	EEx-de IIB	EEx-d IIC	EEx-de IIC	P _n [KW]	N [1/min]	I _n * [A]	η [%]	cos φ	M _n [Nm]	I _{st} /I _n	M _{st} /M _n	M _m /M _n	LP [dB(A)]	J ▽ [kgm ²]	m [kg]	◆
E 63 B 8	EE 63 B 8	EH 63 B 8	EEH 63 B 8	0.09	620	0.33	67	0.59	1.4	2.0	1.6	1.8	40	0.0002	12	4
E 71 B 8	EE 71 B 8	EH 71 B 8	EEH 71 B 8	0.15	600	0.57	51	0.75	2.4	2.0	1.3	1.5	40	0.0010	15	4
E 80 A 8	EE 80 A 8	EH 80 A 8	EEH 80 A 8	0.18	680	0.86	52	0.58	2.5	2.0	1.4	1.7	42	0.0022	20	4
E 80 B 8	EE 80 B 8	EH 80 B 8	EEH 80 B 8	0.25	690	1.00	60	0.60	3.5	2.3	1.4	1.7	42	0.0027	20	4
E 90 S 8	EE 90 S 8	EH 90 S 8	EEH 90 S 8	0.37	680	1.30	75	0.55	5.2	2.2	1.5	1.8	50	0.0034	30	4
E 90 L 8	EE 90 L 8	EH 90 L 8	EEH 90 L 8	0.55	680	1.90	80	0.52	7.7	2.1	1.5	1.8	50	0.0049	30	4
E 100 M 8	EE 100 M 8	EH 100 M 8	EEH 100 M 8	0.75	720	2.90	67	0.56	9.9	3.4	2.0	2.2	52	0.0088	40	4
E 100 L 8	EE 100 L 8	EH 100 L 8	EEH 100 L 8	1.10	675	3.10	75	0.68	15.6	2.7	1.8	2.2	52	0.0088	40	4
E 112 M 8	EE 112 M 8	EH 112 M 8	EEH 112 M 8	1.50	715	4.40	76	0.65	20.0	4.1	1.9	2.2	54	0.0172	65	4
E 132 SB 8	EE 132 SB 8	EH 132 SB 8	EEH 132 SB 8	2.20	720	6.50	75	0.67	30.0	3.9	1.8	2.3	58	0.0323	80	4
E 132 MB 8	EE 132 MB 8	EH 132 MB 8	EEH 132 MB 8	3.00	720	8.00	75	0.72	39.8	4.1	1.8	2.3	58	0.0506	90	4
E 160 MA 8	EE 160 MA 8	EH 160 MA 8	EEH 160 MA 8	4.00	730	10.50	74	0.74	52.3	4.0	2.0	2.6	62	0.0919	155	4
E 160 MB 8	EE 160 MB 8	EH 160 MB 8	EEH 160 MB 8	5.50	725	13.50	76	0.77	72.4	4.1	2.2	2.7	62	0.0919	155	4
E 160 L 8	EE 160 L 8	EH 160 L 8	EEH 160 L 8	7.50	720	17.50	80	0.77	99.5	4.3	2.4	2.8	62	0.1218	170	4
E 180 L 8	EE 180 L 8	EH 180 L 8	EEH 180 L 8	11.00	720	23.00	87	0.79	145.9	5.0	2.2	2.4	64	0.2067	245	4
E 200 LB 8	EE 200 LB 8	EH 200 LB 8	EEH 200 LB 8	15.00	735	35.20	89	0.70	196.2	5.3	1.6	2.1	65	0.3503	315	4
E 225 S 8	EE 225 S 8	EH 225 S 8	EEH 225 S 8	18.50	730	38.50	88	0.79	242.0	5.0	2.1	2.2	68	0.6965	355	4
E 225 M 8	EE 225 M 8	EH 225 M 8	EEH 225 M 8	22.00	730	45.50	88	0.79	287.8	5.0	2.1	2.3	68	0.6965	380	4
E 250 M 8	EE 250 M 8	EH 250 M 8	EEH 250 M 8	30.00	730	63.00	92	0.75	392.4	5.7	2.4	2.6	68	0.7216	450	4

$$*I'_n = I'_n \cdot \frac{400}{U'} \quad (I'_n = \text{current at } U' \text{ Volt})$$

$$\nabla J = \frac{PD^2}{4}$$

◆ T5, T3 upon request



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LOW VOLTAGE EXPLOSION- PROOF MOTORS

TECHNICAL DATA

Three-phase motors

1

Speed

EEx-d IIB
EEx-de IIB
EEx-d IIC
EEx-de IIC

T5 T4 T3

1000

rpm

rated data at 400 V, 50 Hz

direct on line start

Motor type				Rated output	Speed	Current	Efficiency	Power factor	Torque	Starting current	Starting torque	Maximum torque	Sound Pressure	Moment of Inertia	Mass	Class
EEx-d IIB	EEx-de IIB	EEx-d IIC	EEx-de IIC	P _n [kW]	N [1/min]	I _n [*] [A]	η [%]	cos φ	M _n [Nm]	I _α /I _n	M _α /M _n	M _m /M _n	LP [dB(A)]	J [▼] [kgm ²]	m [kg]	◆
E 63 B 6	EE 63 B 6	EH 63 B 6	EEH 63 B 6	0.12	860	0.76	39	0.58	1.3	2.0	2.0	1.9	42	0.0002	12	4
E 71 A 6	EE 71 A 6	EH 71 A 6	EEH 71 A 6	0.18	930	1.10	51	0.58	1.6	2.2	2.0	1.8	48	0.0007	15	4
E 71 B 6	EE 71 B 6	EH 71 B 6	EEH 71 B 6	0.26	925	1.20	56	0.58	2.8	2.3	2.0	1.8	48	0.0010	15	4
E 80 A 6	EE 80 A 6	EH 80 A 6	EEH 80 A 6	0.37	930	1.60	57	0.58	3.8	3.1	2.9	3.2	49	0.0022	20	4
E 80 B 6	EE 80 B 6	EH 80 B 6	EEH 80 B 6	0.55	930	1.80	70	0.65	5.6	2.8	2.0	2.1	49	0.0027	20	4
E 90 S 6	EE 90 S 6	EH 90 S 6	EEH 90 S 6	0.75	910	2.20	70	0.71	7.8	3.0	1.8	2.1	53	0.0034	30	4
E 90 L 6	EE 90 L 6	EH 90 L 6	EEH 90 L 6	1.10	935	3.20	86	0.59	11.2	3.4	2.0	2.2	53	0.0049	30	4
E 100 L 6	EE 100 L 6	EH 100 L 6	EEH 100 L 6	1.50	950	3.80	76	0.75	15.1	4.1	2.0	2.3	55	0.0088	40	4
E 112 M 6	EE 112 M 6	EH 112 M 6	EEH 112 M 6	2.20	960	5.50	81	0.71	22.3	5.3	2.4	2.3	57	0.0172	65	4
E 132 SB 6	EE 132 SB 6	EH 132 SB 6	EEH 132 SB 6	3.00	950	8.50	71	0.72	30.2	5.8	2.2	2.4	60	0.0323	80	4
E 132 MB 6	EE 132 MB 6	EH 132 MB 6	EEH 132 MB 6	4.00	970	9.50	81	0.75	39.4	6.1	2.4	2.6	60	0.0395	80	4
E 132 ML 6	EE 132 ML 6	EH 132 ML 6	EEH 132 ML 6	5.50	960	12.00	86	0.77	54.7	6.3	2.4	2.7	60	0.0506	90	4
E 160 MB 6	EE 160 MB 6	EH 160 MB 6	EEH 160 MB 6	7.50	950	16.00	84	0.81	75.4	5.9	2.3	2.9	64	0.0919	155	4
E 160 L 6	EE 160 L 6	EH 160 L 6	EEH 160 L 6	11.00	950	23.00	81	0.85	110.6	6.2	2.5	3.0	64	0.1218	170	4
E 180 L 6	EE 180 L 6	EH 180 L 6	EEH 180 L 6	15.00	960	28.50	88	0.86	149.2	6.3	2.5	2.6	67	0.2067	245	4
E 200 LA 6	EE 200 LA 6	EH 200 LA 6	EEH 200 LA 6	18.50	975	38.20	91	0.77	182.1	5.9	1.6	2.1	69	0.2986	295	4
E 200 LB 6	EE 200 LB 6	EH 200 LB 6	EEH 200 LB 6	22.00	980	43.80	92	0.78	215.5	6.2	1.6	2.1	69	0.3503	315	4
E 225 M 6	EE 225 M 6	EH 225 M 6	EEH 225 M 6	30.00	985	60.50	92	0.78	290.8	6.5	3.5	3.6	70	0.6965	380	4
E 250 M 6	EE 250 M 6	EH 250 M 6	EEH 250 M 6	37.00	980	72.00	92	0.81	360.5	6.5	2.1	2.6	70	0.7216	450	4

$$*I_n' = I_n \cdot \frac{400}{U} \quad (I_n' = \text{current at } U' \text{ Volt})$$

$$*J = \frac{PD^2}{4}$$

◆ T5, T3 upon request



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LOW VOLTAGE EXPLOSION- PROOF MOTORS

TECHNICAL DATA

Three-phase motors

1

Speed

EEx-d IIB
EEx-de IIB
EEx-d IIC
EEx-de IIC

T5 T4 T3

1500

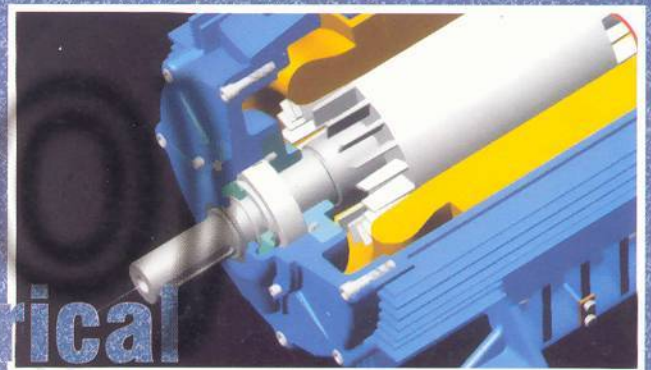
rpm

Motor type				rated data at 400 V, 50 Hz						direct on line start				Moment of Mass Inertia J _r [kgm ²]	m [kg]	Class T
EEx-d IIB	EEx-de IIB	EEx-d IIC	EEx-de IIC	Rated output P _n [KW]	Speed n [1/min]	Current I _n [*] [A]	Efficiency η [%]	Power factor cosφ	Torque M _n [Nm]	Starting current I _a /I _n	Starting torque M _a /M _n	Maximum torque M _m /M _n	Sound Pressure LP [dB(A)]			
E 63 A 4	EE 63 A 4	EH 63 A 4	EEH 63 A 4	0.12	1380	0.62	58	0.55	0.9	2.9	2.3	2.5	45	0.0002	12	4
E 63 B 4	EE 63 B 4	EH 63 B 4	EEH 63 B 4	0.18	1340	0.67	59	0.65	1.3	2.4	2.3	2.5	45	0.0002	12	4
E 71 A 4	EE 71 A 4	EH 71 A 4	EEH 71 A 4	0.25	1380	0.77	65	0.71	1.8	3.1	2.2	2.6	49	0.0006	15	4
E 71 B 4	EE 71 B 4	EH 71 B 4	EEH 71 B 4	0.37	1380	1.10	69	0.72	2.6	3.5	2.2	2.7	49	0.0009	15	4
E 80 A 4	EE 80 A 4	EH 80 A 4	EEH 80 A 4	0.55	1380	1.60	70	0.71	3.8	4.0	2.3	2.6	52	0.0009	20	4
E 80 B 4	EE 80 B 4	EH 80 B 4	EEH 80 B 4	0.75	1400	2.00	75	0.70	5.1	4.0	2.3	2.6	52	0.0013	20	4
E 90 S 4	EE 90 S 4	EH 90 S 4	EEH 90 S 4	1.10	1405	2.80	79	0.74	7.5	4.0	2.0	2.4	58	0.0020	30	4
E 90 L 4	EE 90 L 4	EH 90 L 4	EEH 90 L 4	1.50	1405	3.60	76	0.79	10.2	4.8	2.3	2.5	58	0.0026	30	4
E 100 M 4	EE 100 M 4	EH 100 M 4	EEH 100 M 4	2.20	1420	5.10	76	0.82	14.8	5.9	2.5	2.7	61	0.0043	40	4
E 100 L 4	EE 100 L 4	EH 100 L 4	EEH 100 L 4	3.00	1430	6.90	85	0.74	20.0	6.5	2.6	2.9	61	0.0053	40	4
E 112 M 4	EE 112 M 4	EH 112 M 4	EEH 112 M 4	4.00	1440	8.20	86	0.83	26.5	5.5	2.1	2.9	64	0.0103	65	4
E 132 SB 4	EE 132 SB 4	EH 132 SB 4	EEH 132 SB 4	5.50	1455	11.60	88	0.78	36.2	6.2	2.4	2.8	68	0.0250	80	4
E 132 MB 4	EE 132 MB 4	EH 132 MB 4	EEH 132 MB 4	7.50	1450	16.50	85	0.77	49.4	6.7	2.5	3.4	68	0.0324	80	4
E 132 ML 4	EE 132 ML 4	EH 132 ML 4	EEH 132 ML 4	8.80	1455	18.50	87	0.79	57.6	6.8	2.5	3.5	68	0.0405	90	4
E 160 MB 4	EE 160 MB 4	EH 160 MB 4	EEH 160 MB 4	11.00	1470	23.00	89	0.78	71.9	5.6	2.5	3.0	70	0.0627	155	4
E 160 L 4	EE 160 L 4	EH 160 L 4	EEH 160 L 4	15.00	1470	30.00	92	0.79	97.4	5.9	2.5	3.0	70	0.0801	170	4
E 180 M 4	EE 180 M 4	EH 180 M 4	EEH 180 M 4	18.50	1470	39.30	90	0.75	120.2	6.1	3.2	3.0	71	0.1270	230	4
E 180 L 4	EE 180 L 4	EH 180 L 4	EEH 180 L 4	22.00	1470	44.00	92	0.78	143.9	7.0	2.3	2.3	71	0.1488	245	4
E 200 LB 4	EE 200 LB 4	EH 200 LB 4	EEH 200 LB 4	30.00	1470	54.00	95	0.85	196.2	6.6	2.7	2.9	73	0.2436	315	4
E 225 S 4	EE 225 S 4	EH 225 S 4	EEH 225 S 4	37.00	1480	70.00	94	0.81	239.5	7.0	2.7	3.0	74	0.3762	355	4
E 225 M 4	EE 225 M 4	EH 225 M 4	EEH 225 M 4	45.00	1480	82.00	95	0.83	290.4	6.1	2.4	2.7	74	0.4451	380	4
E 250 M 4	EE 250 M 4	EH 250 M 4	EEH 250 M 4	55.00	1475	99.00	94	0.85	356.1	6.4	2.3	2.6	76	0.4611	450	4

★ $I_n = I_n \cdot \frac{400}{U}$ (I_n = current at U Volt)

▼ $J = \frac{PD^2}{4}$

◆ T5 , T3 Upon request



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LOW VOLTAGE EXPLOSION- PROOF MOTORS

TECHNICAL DATA

Three-phase motors

1

Speed

EEx-d IIB
EEx-de IIB
EEx-d IIC
EEx-de IIC

T5

T4

T3

3000

rpm

Motor type				rated data at 400 V, 50 Hz						direct on line start				Moment of Mass Inertia	Class T
EEx-d IIB	EEx-de IIB	EEx-d IIC	EEx-de IIC	Rated output P_n [kW]	Speed n [1/min]	Current I_n^* [A]	Efficiency η [%]	Power factor $\cos\phi$	Torque M_n [Nm]	Starting current I_a/I_n	Starting torque M_a/M_n	Maximum torque M_m/M_n	Sound Pressure LP [dB(A)]		
														$J \nabla$ [kgm ²]	m [kg]
E 63 A 2	EE 63 A 2	EH 63 A 2	EEH 63 A 2	0.18	2850	0.75	63	0.57	0.6	4.2	3.6	3.8	57	0.0001	12
E 63 B 2	EE 63 B 2	EH 63 B 2	EEH 63 B 2	0.25	2805	0.85	66	0.66	0.9	4.1	3.5	3.7	57	0.0001	12
E 71 A 2	EE 71 A 2	EH 71 A 2	EEH 71 A 2	0.37	2800	1.10	62	0.77	1.3	3.6	2.4	2.6	65	0.0004	15
E 71 B 2	EE 71 B 2	EH 71 B 2	EEH 71 B 2	0.55	2830	1.40	71	0.79	1.9	4.3	2.5	2.7	65	0.0004	15
E 80 A 2	EE 80 A 2	EH 80 A 2	EEH 80 A 2	0.75	2800	1.90	71	0.80	2.6	4.8	2.6	2.8	67	0.0006	20
E 80 B 2	EE 80 B 2	EH 80 B 2	EEH 80 B 2	1.10	2830	2.60	78	0.78	3.7	5.2	2.8	2.9	67	0.0008	20
E 90 S 2	EE 90 S 2	EH 90 S 2	EEH 90 S 2	1.50	2870	3.10	87	0.80	5.0	6.2	2.3	2.5	70	0.0012	30
E 90 L 2	EE 90 L 2	EH 90 L 2	EEH 90 L 2	2.20	2860	4.80	81	0.82	7.3	6.4	2.8	3.0	70	0.0015	30
E 100 M 2	EE 100 M 2	EH 100 M 2	EEH 100 M 2	3.00	2860	7.30	73	0.81	10.0	6.8	2.6	2.7	74	0.0029	40
E 112 M 2	EE 112 M 2	EH 112 M 2	EEH 112 M 2	4.00	2900	8.70	80	0.83	13.2	7.0	2.3	2.5	74	0.0074	65
E 132 SA 2	EE 132 SA 2	EH 132 SA 2	EEH 132 SA 2	5.50	2890	11.50	79	0.87	18.2	6.8	2.6	2.9	75	0.0124	80
E 132 SB 2	EE 132 SB 2	EH 132 SB 2	EEH 132 SB 2	7.50	2910	15.00	81	0.89	24.6	7.0	2.8	3.0	75	0.0150	80
E 132 MB 2	EE 132 MB 2	EH 132 MB 2	EEH 132 MB 2	9.20	2900	18.00	84	0.88	30.3	7.0	2.8	3.0	75	0.0178	90
E 132 ML 2	EE 132 ML 2	EH 132 ML 2	EEH 132 ML 2	11.00	2929	20.00	92	0.86	35.9	6.9	2.8	3.1	75	0.0216	90
E 160 MA 2	EE 160 MA 2	EH 160 MA 2	EEH 160 MA 2	11.00	2940	22.70	83	0.84	35.9	6.6	2.5	2.7	80	0.0360	155
E 160 MB 2	EE 160 MB 2	EH 160 MB 2	EEH 160 MB 2	15.00	2940	29.50	82	0.90	48.7	6.8	2.6	2.8	80	0.0463	155
E 160 L 2	EE 160 L 2	EH 160 L 2	EEH 160 L 2	18.50	2950	35.00	90	0.85	59.9	6.9	2.8	3.0	80	0.0534	170
E 180 M 2	EE 180 M 2	EH 180 M 2	EEH 180 M 2	22.00	2955	39.50	90	0.89	71.5	7.7	2.0	2.7	80	0.0750	230
E 200 LA 2	EE 200 LA 2	EH 200 LA 2	EEH 200 LA 2	30.00	2975	55.00	91	0.86	97.4	9.5	3.5	3.7	78	0.1449	295
E 200 LB 2	EE 200 LB 2	EH 200 LB 2	EEH 200 LB 2	37.00	2970	67.00	91	0.88	119.2	9.0	2.1	2.5	78	0.1714	315
E 225 M 2	EE 225 M 2	EH 225 M 2	EEH 225 M 2	45.00	2980	82.00	93	0.86	144.7	9.0	2.6	3.0	80	0.2656	380
E 250 M 2	EE 250 M 2	EH 250 M 2	EEH 250 M 2	55.00	2975	96.00	94	0.88	176.6	8.3	2.4	2.5	81	0.2809	450

$$\star I_n = I_n \cdot \frac{400}{U'} \quad (I_n = \text{current at } U \text{ Volt})$$

$$\nabla J = \frac{PD^2}{4}$$

♦ T5 , T3 Upon request

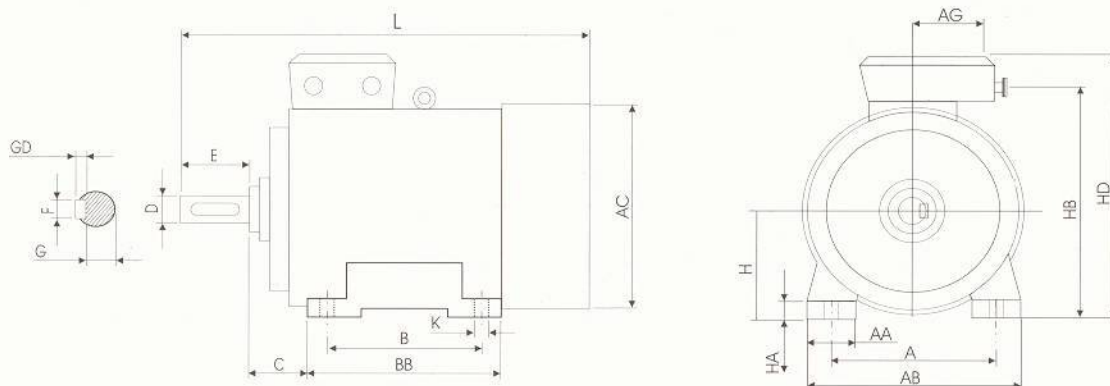


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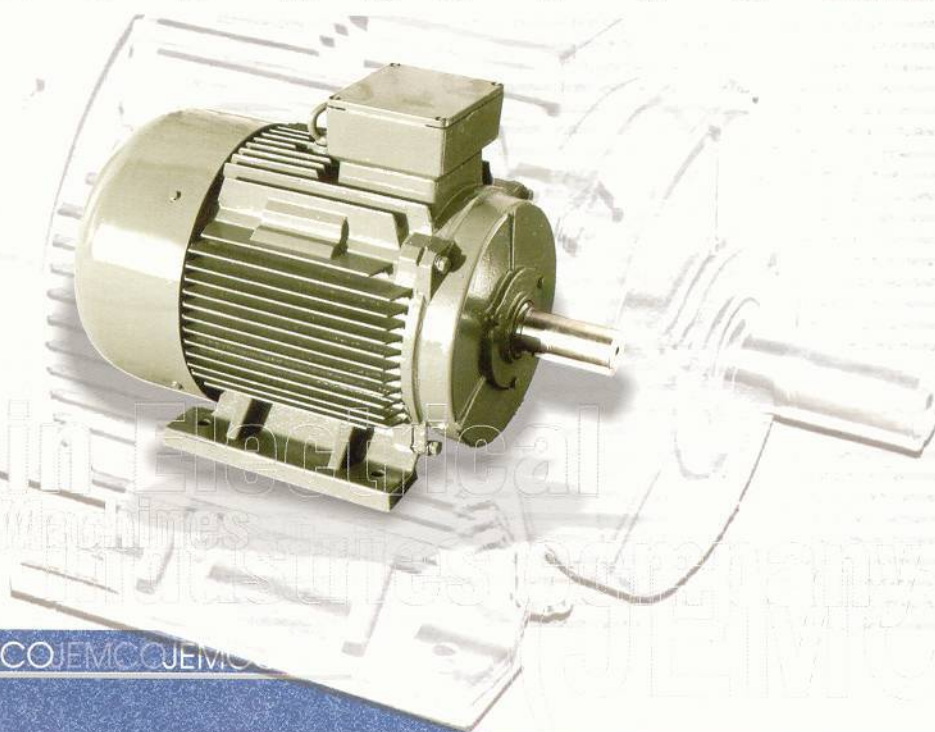
TYPE YD-LOW VOLTAGE (380V) SQUIRREL CAGE MOTORS

DIMENSIONS



For motor			Dimension symbols to																		
Frame size	Type NO	No of poles	H	A	B	C	D	E	F	G	GD	K	AA	AB	BB	AC	AG	HA	HD	L	HB
180M	YD1181-2A0	2	180	279	241	86	48	110	14	42.5	9	15	70	355	311	380	95	22	455	670	404
	YD1181-4A0	4																			
180L	YD1182-4A0	4			279										349					710	
	YD1181-6A0	6																			
200L	YD1201-2A0	2	200	318	305	102	55	110	16	49	10	19	70	395	368	410	116	25	505	775	449
	YD1202-2A0																				
	YD1201-4A0	4																			
	YD1201-6A0	6																			
	YD1202-6A0																				
225S	YD1221-4A0	4	225	356	286	104	60	140	18	53	11	19	75	435	386	450	116	28	555	820	499
225M	YD1221-2A0	2			311		55	110	16	49	10				393					815	
	YD1222-4A0	4					60	140	18	53	11										
	YD1221-6A0	6																			
250M	YD1251-2A0	2	250	406	349	115	60	140	18	53	11	24	80	490	455	495	133	30	610	930	546
	YD1251-4A0	4					65			58											
	YD1251-6A0	6																			
280S	YD1281-2A0	2	280	457	368	109	65	140	18	58	11	24	85	550	525	560	133	35	670	1000	603
	YD1281-4A0	4					75		20	67.5	12										
	YD1281-6A0	6																			
280M	YD1282-2A0	2			419		65		18	58	11				581					1050	
	YD1282-4A0	4					75		20	67.5	12										
	YD1282-6A0	6																			

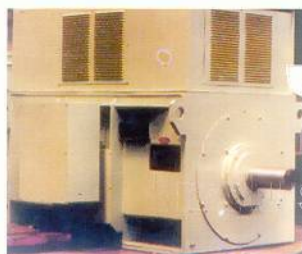
Rated output	Frame size	Moment of inertia J	Performance at rated output			Rated current at 380V	Rated torque	Locked-rotor torque	locked-rotor current	Break down torque	Type Number	Weight approx
KW	mm	Kg m ²	Rev/min	% η	cos ϕ	A	Nm	rated torque	rated current	rated torque		Kg
3000 rev/min - 2pole												
22	180M	0.080	2940	89.0	0.89	42	71	2.0	7.0	2.2	YD1181-2A0	170
30	200L	0.145	2950	90.0	0.89	57	97	2.0	7.0	2.2	YD1201-2A0	235
37	200L	0.166	2950	90.5	0.89	70	120	2.0	7.0	2.2	YD1202-2A0	257
45	225M	0.249	2970	91.5	0.89	84	145	2.0	7.0	2.2	YD1221-2A0	329
55	250M	0.468	2970	91.5	0.89	103	177	2.0	7.0	2.2	YD1251-2A0	407
75	280S	0.821	2970	91.5	0.89	140	241	2.0	7.0	2.2	YD1281-2A0	545
90	280M	0.956	2970	92.0	0.89	167	289	2.0	7.0	2.2	YD1282-2A0	635
1500 rev/min - 4pole												
18.5	180M	0.135	1470	91.0	0.86	36	120	2.0	7.0	2.2	YD1181-4A0	172
22	180L	0.156	1470	91.5	0.86	43	143	2.0	7.0	2.2	YD1182-4A0	190
30	200L	0.250	1470	92.2	0.87	57	195	2.0	7.0	2.2	YD1201-4A0	258
37	225S	0.457	1480	91.8	0.87	71	239	2.0	7.0	2.2	YD1221-4A0	312
45	225M	0.540	1480	92.3	0.88	84	290	2.0	7.0	2.2	YD1222-4A0	343
55	250M	0.821	1480	92.6	0.88	103	355	2.0	7.0	2.2	YD1251-4A0	425
75	280S	1.454	1480	92.7	0.88	140	484	2.0	7.0	2.2	YD1281-4A0	569
90	280M	1.662	1480	93.5	0.89	165	581	2.0	7.0	2.2	YD1282-4A0	689
1000 rev/min - 6pole												
15	180IL	0.208	970	89.5	0.81	32	148	1.8	6.5	2.0	YD1181-6A0	180
18.5	200L	0.301	970	89.8	0.83	38	182	1.8	6.5	2.0	YD1201-6A0	235
22	200L	0.343	970	90.2	0.83	45	217	1.8	6.5	2.0	YD1202-6A0	251
30	225M	0.592	980	90.2	0.85	59	292	1.8	6.5	2.0	YD1221-6A0	313
37	250M	0.925	980	90.8	0.86	72	361	1.8	6.5	2.0	YD1251-6A0	409
45	280S	1.350	980	92.0	0.87	86	484	1.8	6.5	2.0	YD1281-6A0	525
55	280M	1.558	980	92.0	0.87	105	581	1.8	6.5	2.0	YD1282-6A0	607



TYPE YH- HIGH VOLTAGE (6000V) SQUIRREL CAGE MOTORS

TECHNICAL DATA

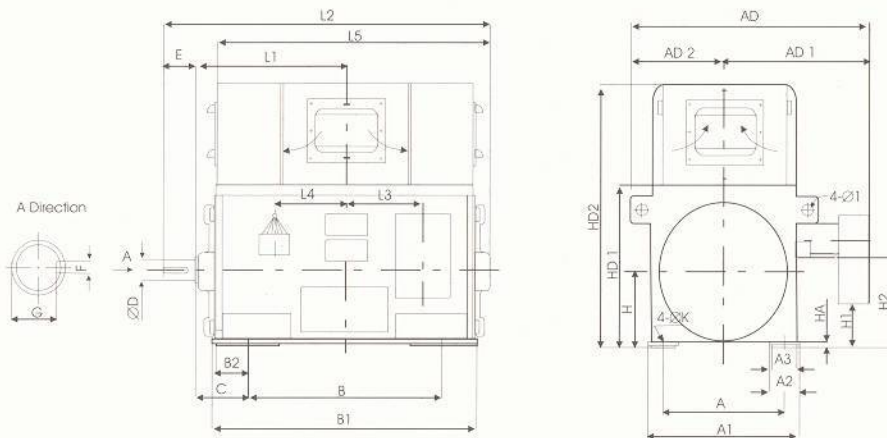
Rated output	Frame Size	Moment of inertia J	Performance at rated output †			Rated Current at 6000 v	Rated torque	Locked-rotor torque	Locked-rotor current	Break-down torque	Type No.	Weight approx
			Rated Speed	Efficiency	Power factor Cos							
KW	mm	Kg m²	Rev/min	%	COSφ	A	Nm	rated torque	rated Current	rated torque		Kg
1500 rev/min - 4pole												
220	355	4.50	1484	93.3	0.85	25	1416	0.8	6.5	1.8	YH1351-4A0	2300
250	355	4.50	1483	93.4	0.85	29	1610	0.8	6.5	1.8	YH1352-4A0	2360
280	355	4.75	1484	93.5	0.86	33	1802	0.8	6.5	1.8	YH1353-4A0	2400
315	355	5.00	1483	93.6	0.86	37	2028	0.8	6.5	1.8	YH1354-4A0	2450
355	400	9.00	1485	93.8	0.86	40	2283	0.8	6.5	1.8	YH1401-4A0	2870
400	400	10.00	1484	94.0	0.86	45	2574	0.8	6.5	1.8	YH1402-4A0	2960
450	400	11.00	1484	94.2	0.86	50	2896	0.8	6.5	1.8	YH1403-4A0	3115
500	400	12.00	1485	94.3	0.87	56	3215	0.8	6.5	1.8	YH1404-4A0	3250
560	400	13.00	1486	94.5	0.87	63	3599	0.8	6.5	1.8	YH1405-4A0	3340
630	450	18.50	1487	94.8	0.87	71	4046	0.8	6.5	1.8	YH1451-4A0	4006
710	450	20.75	1487	95.0	0.87	79	4559	0.8	6.5	1.8	YH1452-4A0	4080
800	450	22.75	1488	95.1	0.87	90	5134	0.8	6.5	1.8	YH1453-4A0	4140
900	450	23.75	1487	95.2	0.87	100	5779	0.8	6.5	1.8	YH1454-4A0	4200
1000	500	23.78	1489	95.3	0.87	111	6413	0.7	6.5	1.8	YH1501-4A0	4790
1120	500	35.25	1490	95.4	0.88	123	7178	0.7	6.5	1.8	YH1502-4A0	4960
1250	500	38.75	1490	95.5	0.88	138	8011	0.7	6.5	1.8	YH1503-4A0	5140
1400	500	42.00	1490	95.6	0.88	155	8972	0.7	6.5	1.8	YH1504-4A0	5340
1600	560	54.00	1490	95.7	0.89	173	10254	0.6	6.5	1.8	YH1561-4A0	6330
1800	560	57.50	1491	95.8	0.89	195	11528	0.6	6.5	1.8	YH1562-4A0	6530
2000	560	64.50	1491	95.9	0.89	216	12809	0.6	6.5	1.8	YH1563-4A0	6915
1000 rev/min - 6pole												
250	355	9.75	990	93.3	0.82	30	2411	0.8	6.0	1.8	YH1351-6A0	2520
220	355	9.00	989	93.0	0.82	27	2124	0.8	6.0	1.8	YH1352-6A0	2440
280	400	16.25	989	93.5	0.83	33	2703	0.8	6.0	1.8	YH1401-6A0	2995
315	400	17.75	989	93.7	0.83	37	3041	0.8	6.0	1.8	YH1402-6A0	3120
355	400	19.00	989	93.9	0.83	42	3428	0.8	6.0	1.8	YH1403-6A0	3280
400	400	20.50	989	94.0	0.83	48	3862	0.8	6.0	1.8	YH1404-6A0	3375
450	450	23.50	990	94.3	0.84	51	4340	0.8	6.0	1.8	YH1451-6A0	3680
500	450	25.50	991	94.5	0.85	57	4818	0.8	6.0	1.8	YH1452-6A0	3820
560	450	28.50	991	94.7	0.85	63	5396	0.8	6.0	1.8	YH1453-6A0	4000
630	450	30.75	991	94.8	0.85	72	6071	0.8	6.0	1.8	YH1454-6A0	4100
710	500	48.50	993	95.0	0.85	79	6828	0.7	6.0	1.8	YH1501-6A0	4570
800	500	52.25	993	95.1	0.85	90	7693	0.7	6.0	1.8	YH1502-6A0	4720
900	500	54.00	992	95.2	0.85	101	8663	0.7	6.0	1.8	YH1503-6A0	4790
1000	500	58.50	993	95.3	0.85	113	9616	0.7	6.0	1.8	YH1504-6A0	4980
1120	560	76.00	993	95.4	0.86	125	10770	0.7	6.0	1.8	YH1561-6A0	6205
1250	560	80.75	992	95.5	0.86	139	12033	0.7	6.0	1.8	YH1562-6A0	6390
1400	560	88.25	992	95.6	0.86	156	13476	0.7	6.0	1.8	YH1563-6A0	6445
750 rev/min - 8pole												
220	400	19.00	740	93.0	0.79	28	3226	0.8	5.5	1.8	YH1401-8A0	3135
250	400	20.00	740	93.2	0.79	38	3613	0.8	5.5	1.8	YH1402-8A0	3285
280	400	21.50	740	93.2	0.79	35	3613	0.8	5.5	1.8	YH1403-8A0	3385
315	450	28.50	744	93.4	0.80	39	4043	0.8	5.5	1.8	YH1451-8A0	3730
355	450	29.50	744	93.5	0.80	44	4556	0.8	5.5	1.8	YH1452-8A0	3790
400	450	33.25	744	93.7	0.80	49	5134	0.8	5.5	1.8	YH1453-8A0	3980
450	450	35.60	744	93.8	0.81	55	5776	0.8	5.5	1.8	YH1454-8A0	4120
500	500	29.25	743	94.3	0.81	59	6426	0.8	5.5	1.8	YH1501-8A0	3900
560	500	65.75	744	94.4	0.82	66	7149	0.8	5.5	1.8	YH1502-8A0	4200
630	500	70.25	744	94.5	0.82	75	8086	0.8	5.5	1.8	YH1503-8A0	4920
710	500	70.25	743	94.5	0.82	84	9125	0.8	5.5	1.8	YH1504-8A0	4920
800	560	82.25	745	94.7	0.84	94	10254	0.7	6.0	1.8	YH1561-8A0	6250
900	560	82.75	744	94.3	0.84	105	11551	0.7	6.0	1.8	YH1562-8A0	6340
1000	560	95.00	744	94.9	0.84	117	12835	0.7	6.0	1.8	YH1563-8A0	6535



Jovain Electrical Machines Industries Company JEMCO

TYPE YH- HIGH VOLTAGE (6000V) SQUIRREL CAGE MOTORS

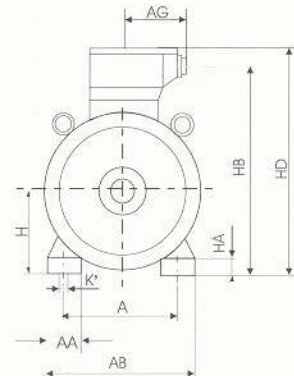
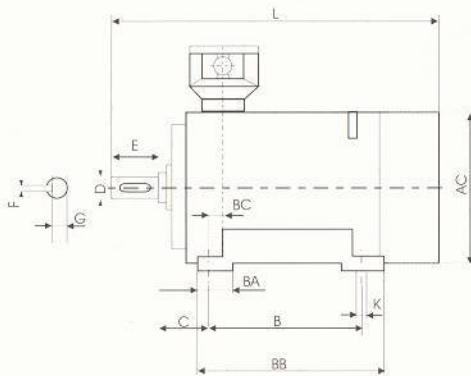
DIMENSIONS



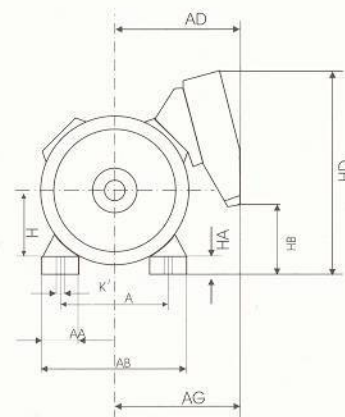
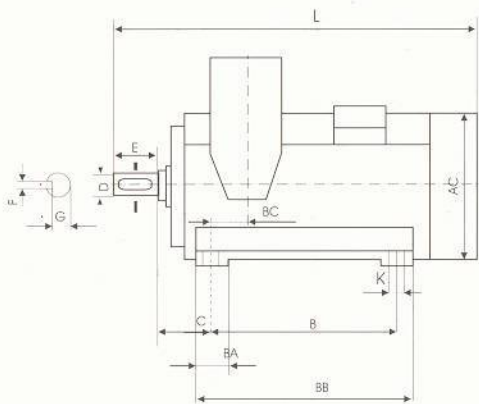
For motor			Dimension symbols to																										
Frame size	Type Number	No of poles	A	B	C	D	E	F	G	H	I	K	L1	L2	AD	HD1	HD2	A1	A2	A3	B1	B2	H2	HA	L3	L4	H1	L5	
355	YH1351-4A0	4	630	900	315	100	210	28	90	355	50	28	905	1918	1415	760	1216	870	—	—	—	1570	180	435	35	380	470	105	1568
	YH1352-4A0																		—	—	—								
	YH1353-4A0																		—	—	—								
	YH1354-4A0																		—	—	—								
	YH1351-6A0	6																	—	—	—								
	YH1352-6A0												890	1908					—	—	—		195			400	430		
400	YH1401-4A0	4	710	1000	335	110	210	28	100	400	60	35	830	1835	1469	880	1494	920	180	160	—	1480	230	630	35	345	435	220	1474
	YH1402-4A0																				—								
	YH1403-4A0												870	1915							1560				385	475		1554	
	YH1404-4A0												920	2015							1660				435	525		1654	
	YH1405-4A0																												
	YH1401-6A0	6											870	1915							1560				385	475		1554	
	YH1402-6A0																												
	YH1403-6A0												920	2015							1660				435	525		1654	
	YH1404-6A0													1957															
	YH1401-8A0	8											870	1915							1560				385	475		1554	
	YH1402-8A0												920	2015							1660				530	525		1654	
	YH1403-8A0																							542					
450	YH1451-4A0	4	800	1120	355	120	210	32	109	450	70	35	835	1920	1570	960	1560	1000	—	—	—	210	550	36	430	330	260	1506	
	YH1452-4A0												885	2020					—	—	—		540		470	370		1606	
	YH1453-4A0												910	2070					—	—	—				495	395		1656	
	YH1454-4A0												925	2100					—	—	—				520	410		1686	
	YH1451-6A0	6				130	250		119				825	1950	1560				—	—	—				420	320		1486	
	YH1452-6A0												850	1990					—	—	—				445	345		1536	
	YH1453-6A0												885	2060					—	—	—				485	380		1606	
	YH1454-6A0												910	2110					—	—	—				505	405		1656	
	YH1451-8A0	8											835	1950	1570				—	—	—				430	330		1506	
	YH1452-8A0												850	1990					—	—	—				445	345		1536	
	YH1453-8A0												885	2060					—	—	—				480	380		1606	
	YH1454-8A0												910	2110					—	—	—				505	405		1656	
500	YH1501-4A0	4	900	1250	475	130	250	32	119	500	50	42	—	2280	1690	1060	1690	1120	—	—	—	330	560	36	440	430	270	1800	
	YH1502-4A0												—						—	—	—								
	YH1503-4A0												—						—	—	—					440			
	YH1504-4A0												—						—	—	—				480	490			
	YH1501-6A0	6				140		36	128				—	2180					—	—	—				430	440		1700	
500	YH1502-6A0	6	900	1250	475	140	250	36	128	500	50	42	—	2180	1690	1060	1690	1120	—	—	—	330	560	36	430	440	270	1700	
	YH1503-6A0												—						—	—	—								
	YH1504-6A0												—						—	—	—								
	YH1501-8A0	8											—						—	—	—				390	390			
	YH1502-8A0												—						—	—	—				430	440		1726	
	YH1503-8A0												—						—	—	—								
YH1504-8A0												—						—	—	—				390	390				
560	YH1561-4A0	4	1000	1400	500	150	250	36	138	560	60	42	1210	2630	1765	1765	1910	1200	—	—	—	320	660	36	555	605	370	2088	
	YH1562-4A0												—						—	—	—								
	YH1563-4A0												—						—	—	—								
	YH1561-6A0	6				160	300	40	147				1160	2570					—	—	—		340		525	575		2028	
	YH1562-6A0												—						—	—	—					590			
	YH1563-6A0												—						—	—	—					615			
	YH1561-8A0	8											—						—	—	—					575			
	YH1562-8A0												—						—	—	—					545			
	YH1563-8A0												—						—	—	—					575			

TYPE YJS HIGH VOLTAGE (6000V) COMPACT MOTORS

DIMENSIONS

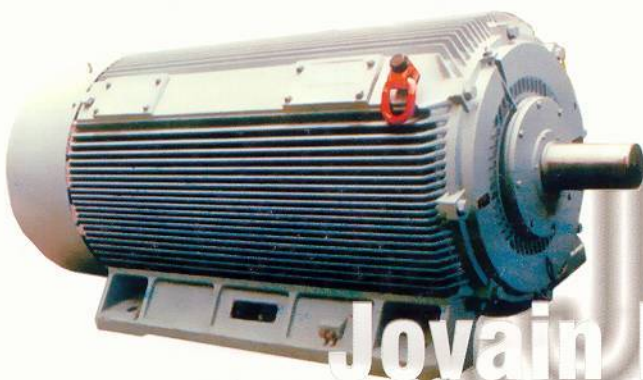


Frame Size	Pole	mounting dimensions										outline dimensions										
		A	B	C	D	E	F	G	H	K	K'	AA	AB	AC	AG	BA	BB	BC	HA	HB	HD	L
400	2	686	1000	280	90	170	25	81				150	836	770	469	155	1090	27	62	1211	1335	1960
	4 - 8				110	210	28	100	400	36	36											2000



Frame Size	Pole	mounting dimensions										outline dimensions											
		A	B	C	D	E	F	G	H	K	K'	AA	AB	AC	AD	AG	BA	BB	BC	HA	HB	HD	L
450	2	750	1120	254	100	210	28	90	450	35	42	150	900	895	930	810	220	1320	201	55	445	1080	2165
	120				210	32	109	2165															
	130				250	32	119	2205															
500	2	850	1250	280*	110	210	28	100	500	42	48	180	1030	985	965	845	260	1490	220	65	530	1165	2345
	130			250	32	119	2385																
	140			250	36	128	2385																
560	2	950	1400	315*	130	250	32	119	560	48	53	210	1160	1100	1025	905	300	1680	225	76	650	1285	2600
	150			250	36	138	2600																
	160			300	40	147	2650																

* The dimensions will be changed according to loads, pleas consult with us.



Jovain Electrical

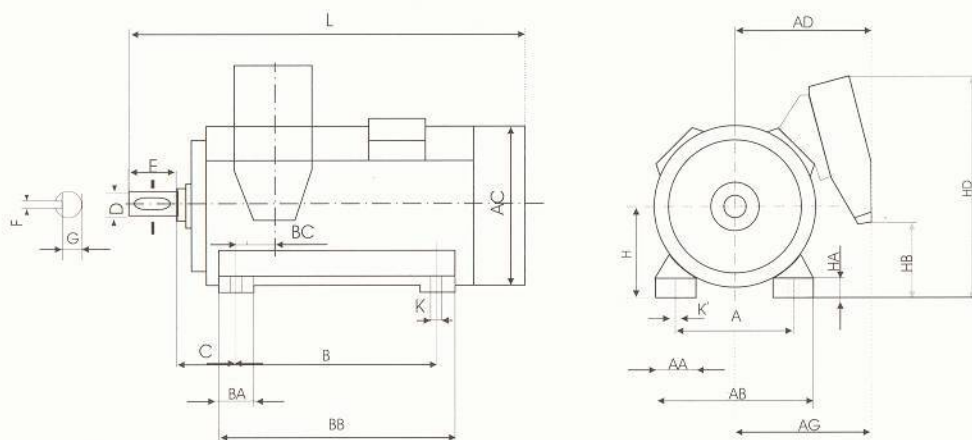
TYPE YJS HIGH VOLTAGE (6000V) COMPACT MOTORS

TECHNICAL DATA

Type	Rated Power Kw	At full-Load				Ist In	Mst Mn	Mmax Mn	Moment of inertia of Load Kg.m ²	Weight Kg
		Rated Current A	Rated Speed r/min	Eff' y %	Power Factor cos Ø					
YJS400 - 2	220	26	2984	93	0.871	6.96	0.68	1.84	32.4	2650
	250	29.6	2981	93	0.87	6.62	0.6	1.84	20	2650
	280	32.9	2983	93.4	0.876	6.81	0.61	1.84	34	2760
	315	37.1	2980	93.4	0.874	6.64	0.63	1.84	34.4	2770
YJS450 - 2	355	41.8	2979	93.7	0.87	6.67	0.67	1.84	34	3400
	400	46.9	2976	94.1	0.87	6.66	0.61	1.79	34.4	3420
	450	52.5	2979	94.5	0.872	6.85	0.64	1.80	48.6	3500
	500	57.9	2976	94.6	0.877	6.73	0.66	1.80	43	3520
YJS500 - 2	560	64.6	2976	94.8	0.88	6.7	0.61	1.84	57	3620
	630	71.8	2980	95.2	0.887	6.7	0.67	1.84	81	4400
	710	80.9	2982	95.3	0.886	6.8	0.65	1.84	95	4410
	800	91.2	2979	95.3	0.884	6.63	0.65	1.82	96	4450
YJS560 - 2	900	101.8	2980	95.5	0.89	6.69	0.65	1.83	98	4630
	1000	113.6	2977	95.5	0.886	6.73	0.66	1.80	97	4650
	1120	126.2	2982	95.9	0.89	6.78	0.68	1.82	97	5820
	1250	141.5	2980	95.9	0.886	6.6	0.7	1.80	98	5830
YJS400 - 4	1400	157	2982	96.1	0.892	6.88	0.63	1.82	99	6180
	1600	180.6	2979	96.1	0.887	6.75	0.72	1.82	100	6200
YJS450 - 4	220	26.2	1488	93.8	0.860	6.43	0.8	1.89	100	2450
	250	29.7	1486	93.8	0.865	6.38	0.87	1.88	109	2450
	280	33.3	1487	93.97	0.861	6.05	0.84	1.84	110	2510
	315	37.5	1488	94.2	0.86	6.43	0.82	1.89	115	2600
YJS500 - 4	355	41.9	1485	94.2	0.865	6.38	0.80	1.82	119	3600
	400	47	1484	94.3	0.868	6.43	0.85	1.81	127	3700
	450	53	1485	94.4	0.865	6.38	0.89	1.82	130	3720
	500	57.6	1485	94.5	0.885	6.38	0.81	1.82	140	3850
YJS560 - 4	560	64.7	1486	94.5	0.881	6.38	0.87	1.83	148	3900
	630	71	1491	95.1	0.899	6.4	0.72	1.85	381	4420
	710	79.8	1489	95.1	0.9	6.45	0.74	1.82	390	4430
	800	89.8	1490	95.3	0.9	6.4	0.74	1.84	396	4700
YJS400 - 6	900	101.4	1488	95.2	0.896	6.37	0.74	1.80	399	4780
	1000	113	1491	95.3	0.894	6.34	0.75	1.84	435	4880
	1120	126	1488	95.3	0.897	6.32	0.75	1.83	440	5890
	1250	140.6	1489	95.5	0.896	6.45	0.76	1.81	445	5900
YJS450 - 6	1400	157	1489	95.5	0.897	6.45	0.76	1.81	450	6110
	1600	179.5	1489	95.6	0.898	6.45	0.76	1.81	467	6400
	220	26.3	987	93.2	0.865	5.62	1	1.81	600	2690
	250	29.8	985	93	0.866	5.5	0.88	1.81	610	2700
YJS500 - 6	280	33.4	986	93.3	0.866	5.7	0.93	1.89	650	2870
	315	38	990	93.6	0.852	5.68	0.97	1.81	700	3600
	355	42.7	990	93.6	0.854	5.57	0.96	1.81	732	3700
	400	47.8	989	93.7	0.859	5.5	0.859	1.80	741	3900
YJS560 - 6	450	54.2	989	93.9	0.851	5.59	0.93	1.80	759	4000
	500	58.6	991	94.5	0.87	5.69	0.87	1.80	1059	4510
	560	65.7	992	94.6	0.87	5.59	0.82	1.80	1099	4520
	630	73.9	992	94.6	0.867	5.55	0.84	1.81	1186	4660
YJS400 - 8	710	84.2	992	94.6	0.858	5.67	0.85	1.82	1264	4720
	800	96.2	993	94.7	0.844	5.87	1.05	2.29	1369	4870
	900	104	993	94.8	0.879	6.2	0.7	1.82	1600	6040
	1000	115.4	992	94.8	0.879	6.4	0.72	1.80	1633	6050
YJS450 - 8	1120	133	993	94.8	0.854	6.4	0.76	1.84	1800	6260
	1250	147.5	992	94.9	0.859	6.2	0.75	1.83	1814	6270
	220	27.8	741	92.8	0.821	5.45	0.85	1.80	1015	3600
	250	31.9	741	92.9	0.811	5.45	0.85	1.80	1026	3700
YJS500 - 8	280	35	740	93.1	0.825	5.45	0.89	1.80	1125	3770
	315	39.9	740	93.2	0.816	5.45	0.85	1.80	1178	3830
	355	43.7	743	93.8	0.833	5.79	0.87	1.84	1466	4260
	400	49.1	743	94	0.833	5.66	0.86	1.83	1500	4420
YJS560 - 8	450	54.5	741	94	0.845	5.45	0.86	1.80	1510	4500
	500	60.6	742	94.1	0.843	5.09	0.86	1.81	1665	4640
	560	68.3	742	94.2	0.837	5.4	0.86	1.82	1700	4780
	630	75.7	743	94.3	0.849	5.58	0.85	1.80	1722	5770
YJS500 - 8	710	85.1	744	94.7	0.847	5.82	0.86	1.84	1820	6070
	800	95.2	743	94.7	0.853	5.52	0.85	1.82	1929	6080
	900	108.9	744	94.75	0.839	5.77	0.85	1.84	2181	6300

TYPE YJS HIGH VOLTAGE (10000V) COMPACT MOTORS

DIMENSIONS



Frame Size	Pole	mounting dimensions										outline dimensions											
		A	B	C	D	E	F	G	H	K	K'	AA	AB	AC	AD	AG	BA	BB	BC	HA	HB	HD	L
450	2				100	210	28	90															2165
	4	750	1120	254	120	210	32	109	450	35	42	150	900	895	930	810	220	1320	201	55	445	1080	2165
	6-8				130	250	32	119															2205
500	2			280*	110	210	28	100															2345*
	4	850	1250		130	250	32	119	500	42	48	180	1030	985	965	845	260	1490	220	65	530	1165	2385
	6-8			280	140	250	36	128															2385
560	2			315*	130	250	32	119															2600*
	4	950	1400		150	250	36	138	560	48	53	210	1160	1100	1025	905	300	1680	225	76	650	1285	2600
	6-8			315	160	300	40	147															2650

* The dimensions will be changed according to loads.



Machines

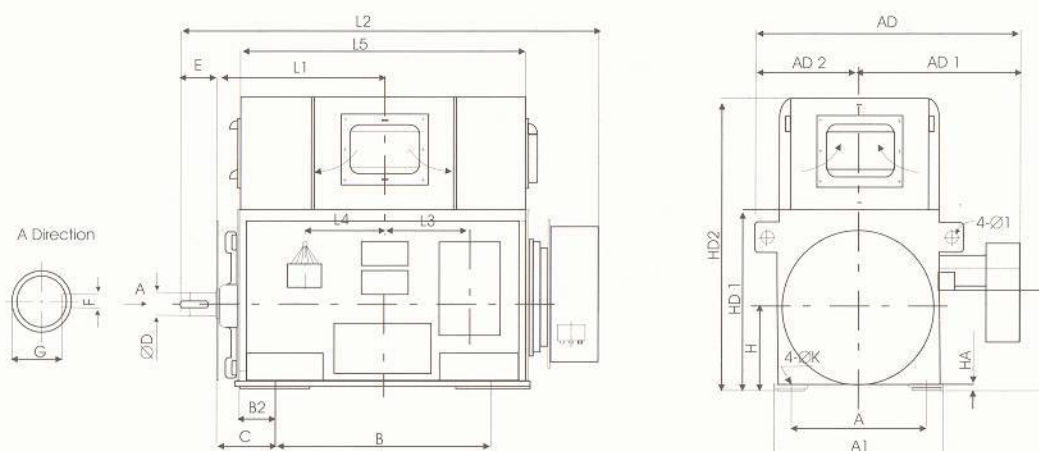
TYPE YJS HIGH VOLTAGE (10000V) COMPACT MOTORS

TECHNICAL DATA



شرکت صنایع ماشین‌های الکتریکی جویان (جیمکو)
Jovain Electrical Machines Industries Co.(JEMCO)

Type	Rated Power Kw	At full-Load				Ist In	Mst Mn	Mmax Mn	Moment of inertia of Load Kg.m ²	Weight Kg
		Rated Current A	Rated Speed r/min	Eff` y %	Power Factor cos Ø					
YJS450 - 2	220	15.8	2991	91.6	0.874	6.56	0.60	1.85	32.4	3530
	250	18	2991	91.8	0.872	6.67	0.70	1.87	34.4	3540
	280	20.1	2990	91.9	0.876	6.89	0.62	1.82	32.4	3580
	315	22.6	2991	92.2	0.874	6.54	0.68	1.84	34.4	3600
	355	25.3	2989	92.2	0.877	6.52	0.60	1.80	34.4	3660
	400	28.3	2990	92.8	0.878	6.53	0.68	1.82	36.5	3740
YJS500 - 2	450	31.8	2981	92.8	0.881	6.61	0.61	1.84	44.6	4040
	500	35.4	2978	92.8	0.880	6.53	0.6	1.83	40.5	4060
	560	39.5	2981	93	0.881	6.64	0.63	1.84	46.8	4100
	630	43.8	2979	93.5	0.888	6.49	0.68	1.84	64.8	4370
	710	49.5	2976	93.4	0.885	6.5	0.6	1.8	59	4390
	800	55.3	2979	93.8	0.89	6.74	0.75	1.85	73	4540
YJS560 - 2	900	62.1	2986	94.2	0.887	6.83	0.64	1.85	95	5480
	1000	69	2985	94.2	0.885	6.53	0.6	1.81	85	5490
	1120	77.2	2986	94.3	0.887	6.7	0.64	1.84	101	5570
	1250	86.1	2986	94.5	0.887	6.95	0.68	1.86	122	5590
	1400	96.3	2985	94.6	0.887	6.64	0.65	1.84	122	5720
YJS450 - 4	220	15.5	1487	92.9	0.88	6.5	0.74	1.83	171	3530
	250	17.6	1487	93	0.882	6.4	0.73	1.82	179	3600
	280	19.7	1487	93.2	0.883	6.4	0.74	1.82	188	3650
	315	22	1486	93.3	0.885	6.3	0.74	1.82	203	3770
	355	24.7	1486	93.5	0.887	6.3	0.75	1.82	220	3880
	400	27.8	1486	93.6	0.888	6.5	0.79	1.83	237	3950
YJS500 - 4	450	31.3	1491	93.8	0.885	6.08	0.85	1.86	277	4210
	500	34.7	1490	93.8	0.887	6.4	0.84	1.86	288	4290
	560	38.8	1490	94	0.886	6.4	0.85	1.86	315	4360
	630	43.5	1490	94	0.889	6.3	0.85	1.85	340	4490
	710	48.9	1490	94.1	0.891	6.3	0.85	1.85	364	4630
	800	55	1490	94.2	0.89	6.2	0.88	1.86	387	4720
YJS560 - 4	900	61.9	1490	94.4	0.889	6.06	0.91	1.86	419	5270
	1000	68.8	1488	94.4	0.889	6.2	0.8	1.80	422	5910
	1120	77.2	1490	94.6	0.885	6.17	0.94	1.87	440	6080
	1250	85.8	1490	94.7	0.888	6.4	0.93	1.86	510	6260
	1400	95.9	1489	94.7	0.89	6.3	0.91	1.84	647	6450
YJS450 - 6	220	16.2	990	92	0.853	5.51	0.82	1.82	534	3550
	250	18.3	989	92.2	0.856	5.36	0.80	1.82	612	3610
	280	20.4	987	92	0.86	4.67	0.80	1.80	613	3650
	315	22.9	987	92.2	0.861	4.64	0.80	1.82	672	3720
	355	25.5	991	93.2	0.86	4.97	0.70	1.80	805	4240
	400	28.8	991	93.4	0.861	5.06	0.70	1.80	903	4330
YJS500 - 6	450	32.4	992	93.5	0.86	5.32	0.72	1.82	1009	4380
	500	35.8	992	93.6	0.86	5.59	0.78	1.83	1109	4510
	560	40.3	993	93.8	0.856	5.92	0.85	1.84	1200	4660
	630	45.5	993	93.7	0.853	6.3	0.94	1.85	1300	4810
	710	49.4	993	94	0.883	5.8	0.76	1.82	1320	5950
	800	55.7	993	94.1	0.882	6.04	0.81	1.84	1350	6070
YJS560 - 6	900	62.5	992	94.1	0.884	5.27	0.70	1.82	1370	6140
	1000	69.5	993	94.2	0.883	5.7	0.76	1.82	1500	6260
	1120	78	993	94.3	0.879	6.14	0.84	1.85	1567	6470
YJS450 - 8	220	16.9	742	92.1	0.814	5.04	0.82	1.81	1018	3780
	250	19.3	742	92.1	0.813	5.02	0.82	1.81	1044	3820
	280	23.5	745	91.7	0.752	6.42	0.84	1.89	1537	4290
	315	26.1	744	91.9	0.757	6.26	0.83	1.88	1606	4380
	355	29.6	744	92.1	0.751	6.12	0.83	1.89	1765	4450
	400	33.4	744	92.2	0.75	6.05	0.83	1.9	1839	4530
YJS500 - 8	450	37.2	744	92.4	0.755	5.95	0.83	1.9	1951	4670
	500	36.9	744	93.3	0.838	6.2	0.72	1.89	2011	5630
	560	41.4	744	93.4	0.834	6.23	0.73	1.9	2071	5700
	630	46.5	744	93.5	0.836	6.15	0.72	1.88	2202	5900
	710	52.8	744	93.8	0.829	6.25	0.75	1.9	2304	6070
	800	59.8	744	93.8	0.823	6.33	0.75	1.89	2466	6260



For motor			Dimension symbols to																												
Frame size	Type NO.	No of poles	A	B	C	D	E	F	G	H	I	K	L1	L2	AD	HD1	HD2	A1	A2	A3	B1	B2	H2	HA	L3	L4	L5	H1	AD1	AD2	G1
355	YR1351-4A0	4	630	900	315	100	210	28	90	355	50	28	905	2566	1419	760	1216	870	—	—	—	175	435	36	380	470	1568	—	897	540	16
	YR1352-4A0		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	470	—	—	—	—	—	
	YR1353-4A0		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	470	—	—	—	—	—	
400	YR1401-4A0	4	710	1000	335	110	210	28	100	400	60	35	830	2495	1469	880	1494	920	180	160	1480	230	630	35	345	435	1474	220	904	565	16
	YR1402-4A0		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	YR1403-4A0		—	—	—	—	—	—	—	—	—	—	870	2575	—	—	—	—	—	—	1560	—	—	—	385	475	1554	—	—	—	—
	YR1404-4A0	6	—	—	—	—	—	—	—	—	—	—	920	2675	—	—	—	—	—	—	1660	—	—	—	435	525	1654	—	—	—	—
	YR1405-4A0		—	—	—	—	—	—	—	—	—	—	2675	—	—	—	—	—	—	1660	—	—	—	—	—	—	—	—	—	—	
	YR1401-6A0		—	—	—	—	—	—	—	—	—	—	830	2495	—	—	—	—	—	1480	—	—	—	345	435	1474	—	—	—	—	
	YR1402-6A0	8	—	—	—	—	—	—	—	—	—	—	870	2575	—	—	—	—	—	—	1560	—	—	—	385	475	1554	—	—	—	—
	YR1403-6A0		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	YR1404-6A0		—	—	—	—	—	—	—	—	—	—	920	2675	—	—	—	—	—	—	1660	—	—	—	435	525	1654	—	—	—	—
	YR1405-6A0	8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	YR1401-8A0		—	—	—	—	—	—	—	—	—	—	870	2575	—	—	—	—	—	—	1560	—	—	—	385	475	1554	—	—	—	—
	YR1402-8A0		—	—	—	—	—	—	—	—	—	—	920	2675	—	—	—	—	—	—	1660	—	—	—	435	525	1654	—	—	—	—
YR1403-8A0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
450	YR1451-4A0	4	800	1120	335	120	210	32	109	450	70	35	835	2580	1570	960	1560	1000	—	—	—	210	540	36	430	330	1506	—	950	620	18
	YR1452-4A0		—	—	—	—	—	—	—	—	—	—	—	2680	—	—	—	—	—	—	—	—	—	—	470	370	1606	—	—	—	—
	YR1453-4A0		—	—	—	—	—	—	—	—	—	—	910	2730	—	—	—	—	—	—	—	—	—	—	495	395	1656	—	—	—	—
	YR1454-4A0	6	—	—	—	—	—	—	—	—	—	—	925	2760	—	—	—	—	—	—	—	—	—	—	510	410	1686	—	—	—	—
	YR1451-6A0		—	—	—	—	—	—	—	—	—	—	825	2590	—	—	—	—	—	—	—	—	—	—	420	320	1486	—	—	—	—
	YR1452-6A0		—	—	—	—	—	—	—	—	—	—	850	2650	—	—	—	—	—	—	—	—	—	—	445	445	1536	—	—	—	—
	YR1453-6A0	8	—	—	—	—	—	—	—	—	—	—	885	2710	—	—	—	—	—	—	—	—	—	—	480	380	1606	—	—	—	—
	YR1454-6A0		—	—	—	—	—	—	—	—	—	—	925	2790	—	—	—	—	—	—	—	—	—	—	520	420	1686	—	—	—	—
	YR1451-8A0		—	—	—	—	—	—	—	—	—	—	850	2640	—	—	—	—	—	—	—	—	—	—	445	345	1536	—	—	—	—
	YR1452-8A0	8	—	—	—	—	—	—	—	—	—	—	885	2710	—	—	—	—	—	—	—	—	—	—	480	380	1606	—	—	—	—
	YR1453-8A0		—	—	—	—	—	—	—	—	—	—	910	2770	—	—	—	—	—	—	—	—	—	—	505	405	1656	—	—	—	—
	YR1454-8A0		—	—	—	—	—	—	—	—	—	—	950	2840	—	—	—	—	—	—	—	—	—	—	585	545	1736	—	—	—	—
500	YR1501-4A0	4	900	1250	475	130	250	32	119	500	50	42	—	3060	1690	1060	1690	1120	—	—	—	350	560	36	440	490	1800	270	1010	680	18
	YR1502-4A0		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	430	—	—	—	—	—	
	YR1503-4A0		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	YR1504-4A0	6	900	1250	475	130	250	32	119	500	50	42	—	3060	1690	1060	1690	1120	—	—	—	350	560	36	480	490	1800	270	1010	680	18
	YR1501-6A0		—	—	—	—	—	—	—	—	—	—	—	2960	—	—	—	—	—	—	—	—	—	—	430	440	1700	—	—	—	—
	YR1502-6A0		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	YR1503-6A0	8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	YR1504-6A0		—	—	—	—	—	—	—	—	—	—	—	3060	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	YR1501-8A0		—	—	—	—	—	—	—	—	—	—	—	2960	—	—	—	—	—	—	—	—	—	—	—	390	390	1726	—	—	—
	YR1502-8A0	8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	430	440	—	—	—	—
	YR1503-8A0		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	390	390	—	—	—	—
	YR1504-8A0		—	—	—	—	—	—	—	—	—	—	—	3060	—	—	—	—	—	—	—	—	—	—	—	430	440	1800	—	—	—
560	YR1561-4A0	4	1000	1400	500	150	250	39.1	120	560	60	42	1210	3380	1765	1180	1890	1200	—	—	—	320	660	36	555	605	—	370	1045	720	11
	YR1562-4A0		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	YR1563-4A0		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	YR1561-6A0	6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	615	—	—	—	—	—
	YR1562-6A0		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	575	—	—	—	—	—	
	YR1563-6A0		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	590	—	—	—	—	—
	YR1561-8A0	8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	615	—	—	—	—	—
	YR1562-8A0		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	575	—	—	—	—	—
YR1563-8A0	—		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	545	—	—	—	—	

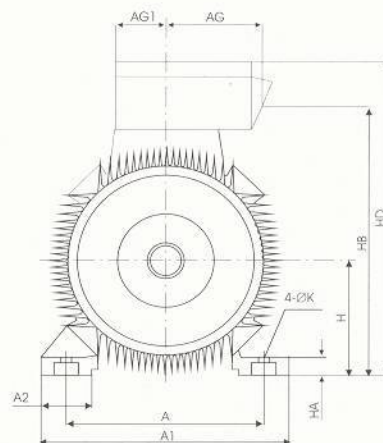
TYPE YR - HIGH VOLTAGE (6000V) WOUND ROTOR MOTORS

TECHNICAL DATA

Rated output	Frame Size	Performance at rated output				Rated Current at 6000 v	Rated voltage of rotor	Rated current of rotor	Rated torque	Break-down torque For direct-on-line starting as multiples of rated torque	Type Number	Weight approx
		Rated Speed	Efficiency	Power factor								
KW	mm	rev/min	%	Cosφ	A	V	A	Nm				Kg
1500 rev/min - 4pole												
220	355	1474	92.7	0.83	26	339	407	1425	1.8		YR1351-4A0	2510
250	355	1474	93.0	0.84	30	365	430	1620	1.8		YR1352-4A0	2590
280	355	1474	93.1	0.84	33	395	444	1814	1.8		YR1353-4A0	2650
315	400	1476	93.2	0.85	37	397	491	2038	1.8		YR1401-4A0	3020
355	400	1476	93.3	0.85	42	433	506	2297	1.8		YR1402-4A0	3120
400	400	1477	93.5	0.85	46	478	519	2568	1.8		YR1403-4A0	3240
450	400	1478	93.7	0.85	52	530	521	2907	1.8		YR1404-4A0	3360
500	400	1478	93.9	0.85	58	597	512	3230	1.8		YR1405-4A0	3490
560	450	1481	94.2	0.85	64	545	630	3611	1.8		YR1451-4A0	4020
630	450	1482	94.5	0.86	71	597	647	4059	1.8		YR1452-4A0	4210
710	450	1479	94.6	0.86	79	618	711	4584	1.8		YR1453-4A0	4360
800	450	1482	94.7	0.87	90	703	698	5155	1.8		YR1454-4A0	4430
900	500	1481	94.8	0.87	100	824	669	5803	1.8		YR1501-4A0	5320
1000	500	1482	94.9	0.87	111	899	680	6443	1.8		YR1502-4A0	5490
1120	500	1483	95.0	0.87	125	990	691	7212	1.8		YR1503-4A0	5680
1250	500	1484	95.1	0.87	140	1098	693	7722	1.8		YR1504-4A0	5880
1400	560	1486	95.2	0.87	156	1301	655	8996	1.8		YR1561-4A0	6690
1600	560	1486	95.3	0.87	179	1429	680	10282	1.8		YR1562-4A0	6890
1800	560	1487	95.4	0.87	200	1590	687	11559	1.8		YR1563-4A0	7270
1000 rev/min - 6pole												
220	400	986	92.5	0.81	27	322	428	2131	1.8		YR1401-6A0	3040
250	400	984	92.7	0.82	30	347	452	2426	1.8		YR1402-6A0	3115
280	400	984	92.8	0.82	34	376	466	2717	1.8		YR1403-6A0	3210
315	400	984	93.0	0.82	38	410	480	3057	1.8		YR1404-6A0	3330
355	400	984	93.2	0.82	43	450	492	3445	1.8		YR1405-6A0	3420
400	450	984	93.5	0.83	47	410	612	3882	1.8		YR1451-6A0	3925
450	450	984	93.6	0.84	53	451	624	4367	1.8		YR1452-6A0	4080
500	450	985	93.8	0.84	59	502	621	4847	1.8		YR1453-6A0	4275
560	450	986	94.0	0.84	66	565	615	5423	1.8		YR1454-6A0	4500
630	500	988	94.3	0.85	72	939	412	6089	1.8		YR1501-6A0	5190
710	500	989	94.5	0.85	82	1042	418	6855	1.8		YR1502-6A0	5350
800	500	988	94.7	0.85	92	1073	459	7732	1.8		YR1503-6A0	5410
900	500	989	94.8	0.85	103	1218	454	8690	1.8		YR1504-6A0	5700
1000	560	989	95.0	0.85	115	1250	490	9655	1.8		YR1561-6A0	6630
1120	560	989	95.1	0.85	128	1323	519	10814	1.8		YR1562-6A0	6810
1250	560	989	95.2	0.85	143	1403	549	12069	1.8		YR1563-6A0	6860
750 rev/min - 8pole												
220	400	735	92.2	0.78	28	480	288	2858	1.8		YR1401-8A0	3230
250	400	735	92.3	0.78	32	516	305	3248	1.8		YR1402-8A0	3340
280	400	735	92.5	0.79	35	559	315	3638	1.8		YR1403-8A0	3450
315	450	737	92.6	0.80	40	559	352	4081	1.8		YR1451-8A0	3940
355	450	737	92.7	0.80	44	611	364	4600	1.8		YR1452-8A0	4115
400	450	737	93.0	0.80	50	671	372	5183	1.8		YR1453-8A0	4260
450	450	737	93.2	0.81	55	748	375	5830	1.8		YR1454-8A0	4470
500	500	739	93.5	0.81	60	775	402	6461	1.8		YR1501-8A0	5200
560	500	739	93.7	0.81	67	862	404	7236	1.8		YR1502-8A0	5400
630	500	740	93.9	0.81	77	967	404	8130	1.8		YR1503-8A0	5600
710	500	739	94.0	0.81	85	1015	435	9174	1.8		YR1504-8A0	5200
800	560	741	94.2	0.81	98	1103	448	10309	1.8		YR1561-8A0	6770
900	560	741	94.3	0.81	109	1189	468	11598	1.8		YR1562-8A0	6810
1000	560	741	94.4	0.81	121	1287	480	12887	1.8		YR1563-8A0	6940



شرکت صنایع ماشین های الکتریکی جویان (همجو)
Jovain Electrical Machines Industries Co.(JEMCO)

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TYPE YU - LOW VOLTAGE (380V)SQUIRREL CAGE MOTORS

TECHNICAL DATA

Rated output	Frame Size	Moment of inertia J	Performance at rated output Rated Speed	Efficiency	Power factor Cos	Rated Current at 380 V	Rated torque	Locked-rotor torque	Locked-rotor current	Break down torque	Type No .	Weight approx
KW	mm	Kg m ²	rev/min	%	Cosφ	A	Nm	rated torque	rated current	rated torque		Kg
3000 rev/min - 2pole												
110	315S	1.75	2966	92.6	0.89	195	354	1.8	6.8	2.2	YU1311-2A0	1210
132	315M	2.25	2966	93.1	0.89	231	425	1.8	6.8	2.2	YU1312-2A0	1230
160	315L	2.25	2964	93.5	0.89	277	515	1.8	6.8	2.2	YU1313-2A0	1260
185	315L	2.50	2967	93.7	0.89	372	644	1.8	6.8	2.2	YU1314-2A0	1310
200	315L	2.50	2967	93.7	0.89	346	644	1.8	6.8	2.2	YU1315-2A0	1310
220	355M	3.75	2980	94.2	0.89	382	705	1.2	6.8	2.2	YU1351-2A0	1500
250	355M	4.25	2981	94.6	0.89	426	801	1.2	6.8	2.2	YU1352-2A0	1580
280	355L	4.50	2979	94.9	0.89	478	898	1.2	6.8	2.2	YU1353-2A0	1610
315	355L	4.75	2978	95.2	0.89	540	1010	1.2	6.8	2.2	YU1354-2A0	1650
355	400L	7.25	2979	95.3	0.89	610	1138	1.2	7.0	1.8	YU1401-2A0	2110
400	400L	8.00	2975	95.4	0.89	685	1284	1.2	7.0	1.8	YU1402-2A0	2190
450	400L	8.25	2980	95.5	0.89	767	1442	1.2	7.0	1.8	YU1403-2A0	2245
1500 rev/min - 4pole												
110	315S	3.00	1487	93.7	0.89	197	706	1.8	6.8	2.0	YU1311-4A0	1080
132	315M	3.50	1487	94.2	0.89	235	848	1.8	6.8	2.0	YU1312-4A0	1150
160	315L	4.00	1487	94.6	0.89	284	1027	1.8	6.8	2.0	YU1313-4A0	1200
185	315L	4.50	1487	94.6	0.89	329	1284	1.8	6.8	2.0	YU1314-4A0	1335
200	315L	4.50	1487	94.6	0.89	355	1284	1.8	6.8	2.0	YU1315-4A0	1350
220	355M	6.00	1480	94.5	0.87	400	1419	1.4	6.8	2.0	YU1351-4A0	1680
250	355M	6.75	1480	94.9	0.87	453	1613	1.4	6.8	2.0	YU1352-4A0	1720
280	355L		1480	95.2	0.87	504	1807	1.4	6.8	2.0	YU1353-4A0	1760
315	355L	8.25	1484	95.4	0.9	557	2027	1.4	6.8	2.0	YU1354-4A0	1800
355	400L	14.25	1487	95.5	0.89	614	2280	1.2	6.5	1.8	YU1401-4A0	2270
400	400L	16.25	1487	95.6	0.89	690	2569	1.2	6.5	1.8	YU1402-4A0	2430
450	400L	16.75	1488	95.7	0.78	776	2888	1.2	6.5	1.8	YU1403-4A0	2470
1000 rev/min - 6pole												
75	315S	4.00	987	93.0	0.87	139	726	1.6	6.5	2.0	YU1311-6A0	1060
90	315M	4.75	987	93.3	0.87	166	871	1.6	6.5	2.0	YU1312-6A0	1110
110	315L	5.00	988	93.6	0.87	203	1063	1.6	6.5	2.0	YU1313-6A0	1140
132	315L	6.00	988	93.6	0.87	242	1276	1.6	6.5	2.0	YU1314-6A0	1380
160	355M	7.75	985	94.2	0.87	295	1551	1.3	6.5	2.0	YU1351-6A0	1830
185	355M	8.25	985	94.4	0.87	341	1939	1.3	6.5	2.0	YU1352-6A0	1870
200	355L	9.25	985	94.4	0.87	367	1939	1.3	6.5	2.0	YU1353-6A0	1880
220	355L	10.25	986	94.6	0.87	403	2131	1.3	6.5	2.0	YU1354-6A0	1900
250	400L	16.75	987	94.9	0.86	457	2419	1.3	6.5	1.8	YU1401-6A0	2135
280	400L	19.75	987	95.1	0.86	507	2709	1.3	6.5	1.8	YU1402-6A0	2300
315	400L	19.75	987	95.2	0.86	572	3048	1.3	6.5	1.8	YU1403-6A0	2320



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