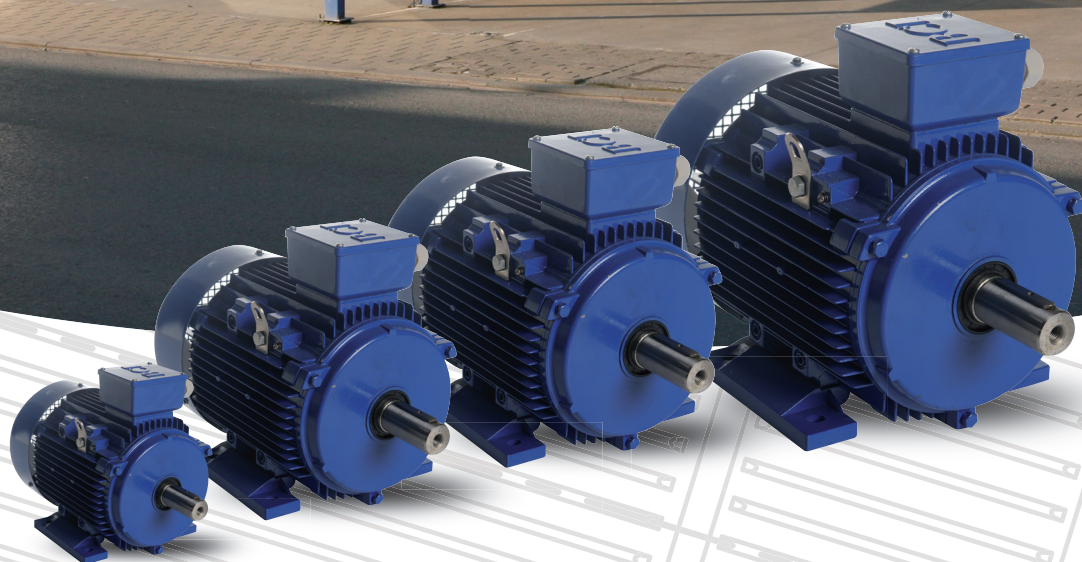





BCI nv
elektromotoren



BCI Elektromotoren

is een bedrijf met rijke voorgeschiedenis op gebied van ontwikkeling, werkzaamheden en verkoop van aandrijvingen met ondermeer elektromotoren 'in eigen beheer gebouwd', tandwielkasten, elektronische apparatuur.

Onze hoogwaardige en zeer bedrijfszekere motoren zijn daarenboven allen uitgerust met SKF of FAG lagers en hebben standaard klasse IP55 of 56, speciaal IP65 of 67 op verzoek. Met een standaard isolatieklasse F=155°C kunnen zij toegepast worden in 95% van de gevallen, isolatieklasse H=180°C wordt speciaal gemaakt op verzoek.

Op verzoek van de klanten bouwen wij daarnaast speciale motoren waar standaard motoren niet meer voldoende zijn. Talloze realisaties succesvol in dienst. Steeds volgen wij de nieuwste ontwikkelingen op de voet. Door ons lidmaatschap bij de Europese organisatie van IEC normen kunnen wij dan ook uit eerste en correcte bron deze ontwikkelingen mededelen en uitvoeren bij onze klanten. Om daarenboven de vraag naar motoren, reductoren en elektronische snelheidsregelingen geen vertraging te laten lopen, hebben wij een ruime stock opgebouwd. Deze bied ons dan ook in 99% van de gevallen onmiddellijk de gevraagde aandrijving te kunnen leveren + eventuele montage. Om deze normen te homologeren hebben wij alle attesten die gekeurd zijn door onafhankelijke keuringsorganismen wereldwijd, wat de betrouwbaarheid zonder meer bevestigt.

De tabellen die hierna volgen zijn dan ook voor 100% betrouwbaar en correct.

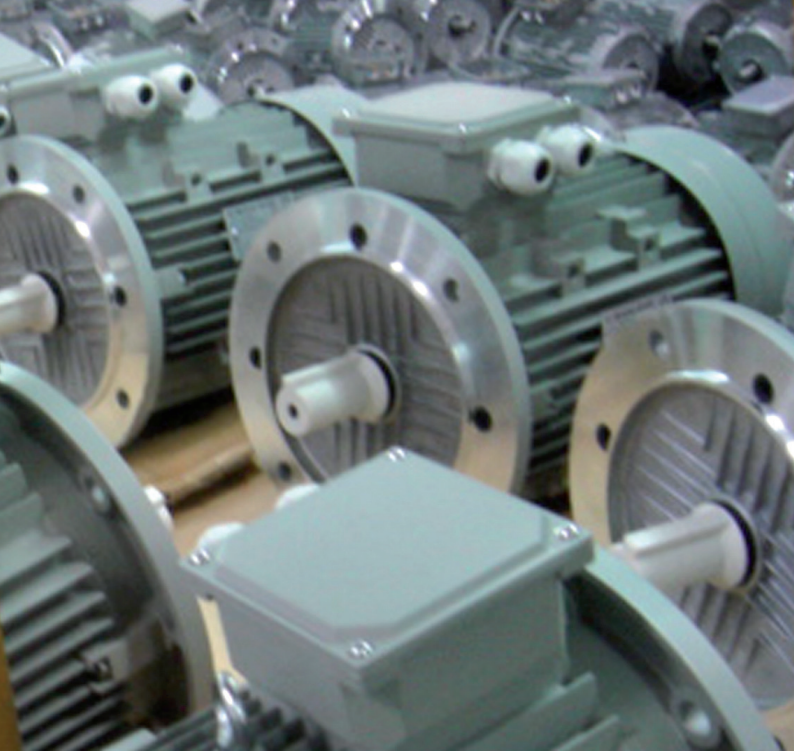
In deze brochure beschrijven wij uitvoerig de mogelijkheden die wij op gebied van aandrijvingen met deskundig advies en kwaliteit kunnen leveren.

Naast onze eigen diensten en producten werken wij nauw samen en zonder tussenpersonen met fabrikanten waarvan wij de distributeur zijn voor België en op die manier deze producten kunnen aanbieden aan fabrieksprijzen.

BCI engageert zich ertoe om 24H service aan te bieden voor standaard producten uit onze catalogus, voor motoren en reductoren wat betreft ratio's en vermogen in serie M,C en K, alle depannages met mogelijkheid tot vervanging van onze producten binnen de 4uur te realiseren.

Onze stock is altijd voldoende groot om alle bestellingen zonder probleem af te werken binnen de 24uur. Motoren buiten standaard worden op verzoek deskundig vervaardigd.

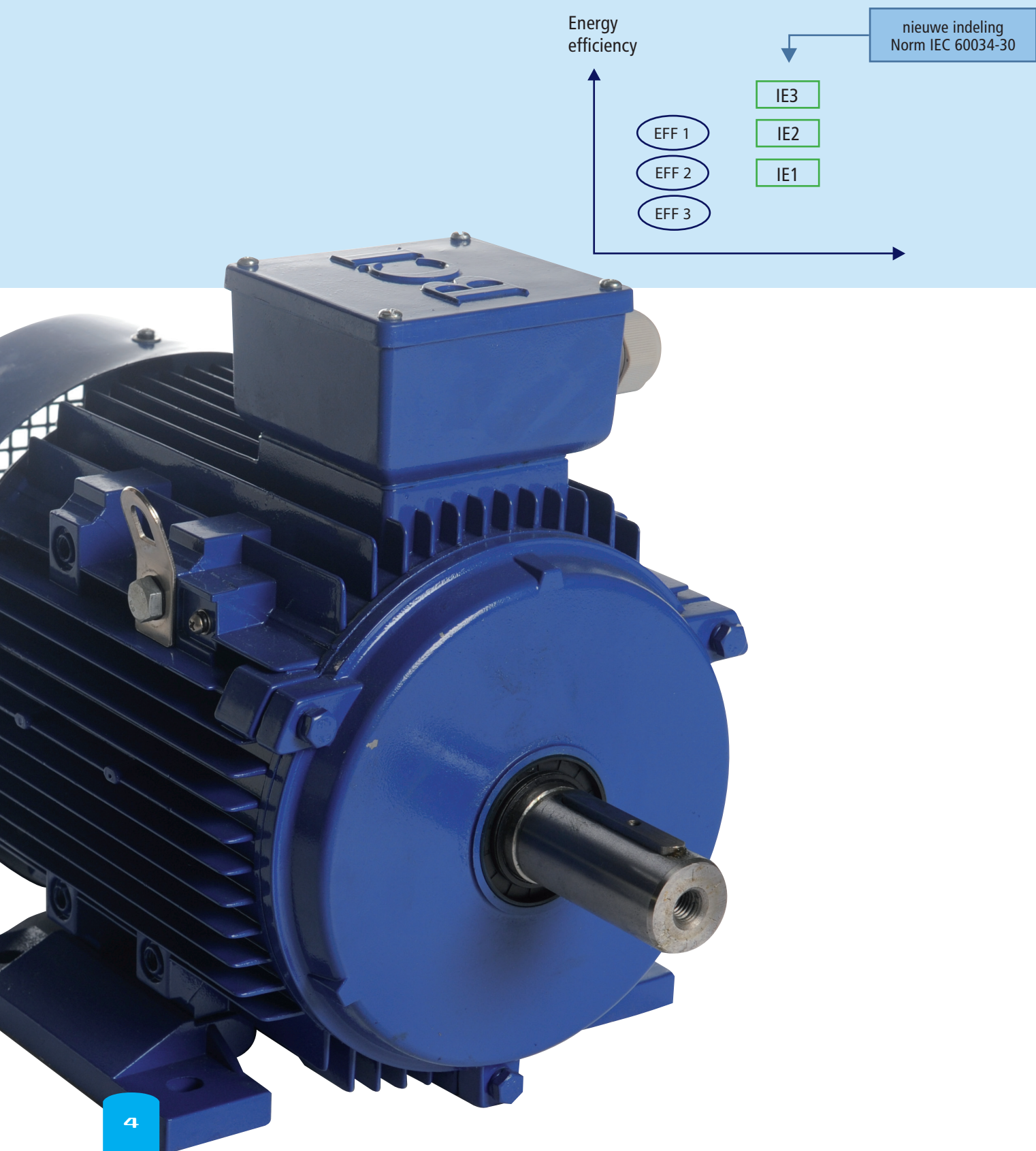




INHOUD

TECHNISCHE INFO	5
BCI MOTOREN	6
JM-H MARINE UITVOERING	8
JL MOTOREN	10
JM MOTOREN	18
JLEJ MOTOREN	26
JLD MOTOREN	30
EXPLODED VIEW	32
BOUWVORMEN	33
RADICON	34
ANDERE REDUCTOREN	36
VENTILATOREN	38
FREQUENTIESTURING	40
MEZ MOTOREN	42
BCI SERVICE	44
TRILMOTOREN	46
SPINDELMOTOREN	46

De nieuwe Europese norm



Hiermee willen wij u informeren betreffende de nieuwe ontwikkelingen in de wereld van elektromotoren. De EU heeft met name een nieuwe internationale norm aangenomen betreffende de energiebesparende elektromotoren voor 2-, 4- en 6-polige motoren met spanning tot max. 1000 V en vermogens van 0,75 tot 375 kW.

In het verleden waren motoren niet aan deze norm onderworpen, nu echter door het aannemen van één enkele norm betreffende energie-efficiëntie is er een gemeenschappelijke basis gecreëerd voor eenvormige motorspecificaties, efficiëntieniveaus en metingen, dit zal aanleiding geven tot zeer grote energiebesparingen die in de nieuwe Europese norm "Richtlijn 2005/32/EG" wordt omgezet.

De vroegere internationale norm IEC60034 werd als volgt ingedeeld:

- EFF3: Standaardrendement
- EFF2: Verbeterd rendement
- EFF1: Hoog rendement

De vernieuwde norm IEC60034-30 voor 1-snelheidsmotoren zorgt voor een wereldwijde normalisatie die laagspanningsinductiemotoren in de volgende nieuwe rendementsklassen indeelt:

- IE1: Standaardrendement
- IE2: Hoog rendement
- IE3: Hoogste rendement

en vervangt de vroegere EFF klassen.

De richtlijn stelt eisen voor het op de markt brengen en het in dienst stellen van motoren. Dit betekent dat nieuwe motoren aan deze efficiëntienorm moeten voldoen, bestaande motoren moeten niet worden vernieuwd.

De richtlijn is niet van toepassing op:

- Motoren om volledig ondergedompeld in een vloeistof te werken
- Geïntegreerde motoren in een product (bijvoorbeeld reductoren, pompen, ventilatoren of compressoren) waarvan de energieprestaties niet kunnen worden getest onafhankelijk van het product
- Remmotoren
- Motoren specifiek ontworpen voor gebruik:
 - op hoogtes hoger dan 1000 meter boven zeeniveau
 - bij omgevingsluchttemperaturen hoger dan 40 °C
 - bij maximale bedrijfstemperaturen boven 400°C
 - bij omgevingsluchttemperaturen lager dan - 15 °C voor motoren of lager dan 0 °C voor motoren met luchtkoeling
 - bij een ingangstemperatuur lager dan 5 °C of hoger dan 25 °C voor de waterkoeling
 - in omstandigheden met explosierisico's, zoals vastgelegd in Richtlijn 94/9/EG

JL - JM series IE1 , IE2 en IE3



JL serie IE1

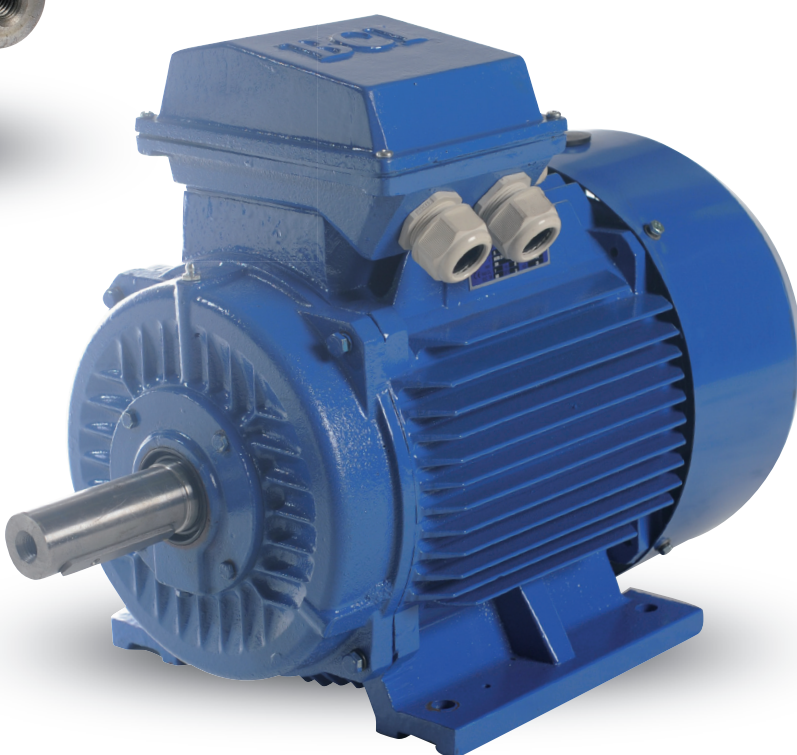
DRIEFASIGE ALUMINIUM ASYNCHRONE MOTOREN
BOUWGROOTTE 56 T.E.M. 160

JL-1 serie IE2

DRIEFASIGE ALUMINIUM ASYNCHRONE MOTOREN
BOUWGROOTTE 80 T.E.M. 160

JL-3 serie IE3

PREMIUM EFFICIENCY



JM serie IE1

DRIEFASIGE GIETIJZEREN ASYNCHRONE MOTOREN
BOUWGROOTTE 56 T.E.M. 355

JM-1 serie IE2

DRIEFASIGE GIETIJZEREN ASYNCHRONE MOTOREN
BOUWGROOTTE 63 T.E.M. 355
HIGH EFFICIENCY

JM-3 serie IE3

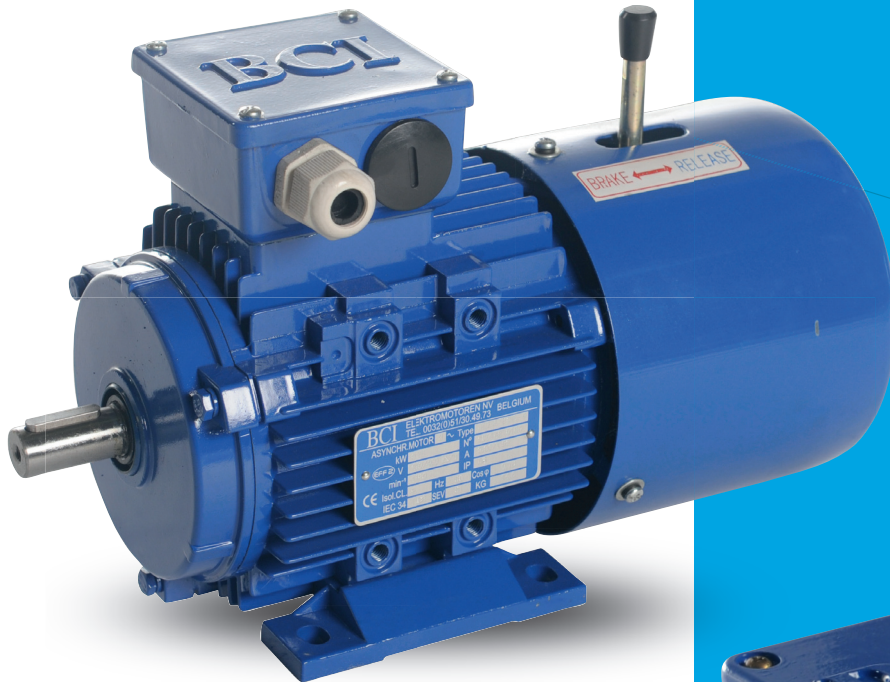
PREMIUM EFFICIENCY

IE1 STANDAARD EFFICIENCY, IE2 HIGH EFFICIENCY, IE3 PREMIUM EFFICIENCY

IE2 & IE3 ZIJN DE IDEALE HI-EFFICIENCY ENERGIE BESPARENDE MOTOREN, EEN POTENTIEEL ENERGIEBESPARING VAN 30%-60% VOOR EEN GEOPTIMALISEERD SYSTEEM

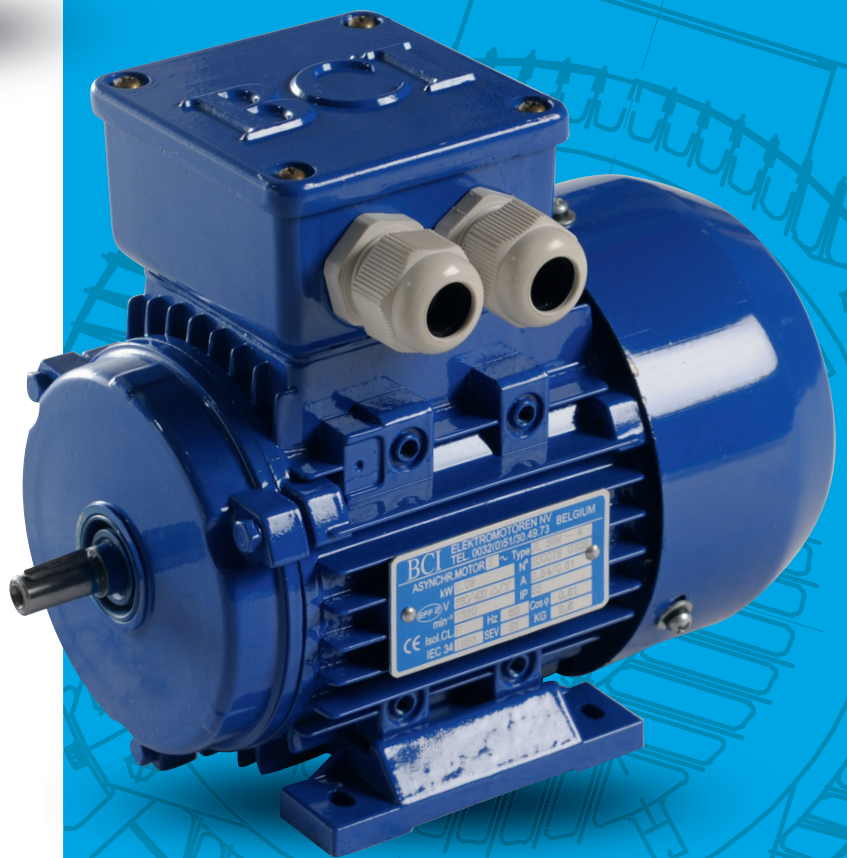
JLEJ series

DRIEFASIGE ALUMINIUM ASYNCHRONE REMMOTOREN



JLD series

DRIEFASIGE ALUMINIUM ASYNCHRONE
2-SNELHEDEN MOTOREN



SERIE JLEJ VEERDRUK REMMOTOR VAN HOGE KWALITEIT, GELIJKRICHTER VOLGENS AANVRAAG, STANDAARD 230V OF 400V OF MET ELEKTRONISCH VERSNELDE INSCHAKELTIJD, MET HANDBEDIENING ALS STANDAARD UITVOERING, AFGEWERKT STANDAARD MET HOGE KWALITEITSVERF 1 COMPONENT OF VOLGENS AANVRAAG MET EPOXYVERF VOOR EXTREME TOEPASSINGEN.



JM-H Marine uitvoering

JM-H series marine-use three-phase asynchronous motor, New generation of marine product with our own design, taken advantage of JM/TS273-2002 standard and GB 735-2000 rule based on IEC standard, approved and in accord with international Classification Society's requirement such as ABS, LR, BV, DNV, GI, RINA.

JM-H series marine-use three-phase asynchronous motor, with advantages of high efficiency, energy saving, large starting torque, good structure low noise, elegant appearance, convenient operation and so on, reached International IE1 and IE2 standard by adopting IP55, insulation class F. JM-H series motor adopted double earth mark (in terminal box and feet of motor body), the cable glands is specially designed with high-intension chrome plated connector to ensure electric security of motors. JM-H series motor with terminal box top, also could with box side if mentioned on Customer's order, the terminal box could turn by 90° in four direction to satisfy different operation of Customers.

The surface of winding and Metal accessories of JM-H series with special paint and process according the rule of tepid motor. The motor has the good performance of protecting from humidity, fog, and salt spray.

JM-H series motor is widely applied to ship as driving pump, cooling machine, separator, hydraulic pressure machine and other assistant equipment.



2 pole · 3000T/M · 50 Hz

Type	Output	Speed	In (Amps)			Efficiency η %	Power Factor cos. φ %	Moment (J)	Tn	Is	Is	Tmax	Noise Level	Weight
	KW	r/min	380V	400V	415V	100% FL	100% FL	kgm ²	Nm	In	Tn	Tn	dB(A)	kg
JL561-2	0.09	2750	0.32	0.3	0.29	62.0	0.70	0.00018	0.31	5.2	2.1	2.2	57	3.6
JL562-2	0.12	2750	0.38	0.36	0.34	67.0	0.72	0.00023	0.41	5.2	2.1	2.2	57	3.9
JL631-2	0.18	2720	0.53	0.5	0.48	65.0	0.80	0.00031	0.61	5.5	2.2	2.3	58	4.8
JL632-2	0.25	2720	0.69	0.66	0.63	68.0	0.81	0.0006	0.96	5.5	2.2	2.3	58	5.1
JL711-2	0.37	2740	0.99	0.94	0.91	70.0	0.81	0.00075	1.26	6.1	2.2	2.3	61	6
JL712-2	0.55	2740	1.4	1.33	1.28	73.0	0.82	0.0009	1.88	6.1	2.2	2.3	61	6.5
JL801-2	0.75	2840	1.83	1.73	1.68	75.1	0.83	0.0012	2.54	6.1	2.2	2.3	64	8.7
JL802-2	1.1	2840	2.58	2.45	2.37	77.0	0.84	0.0014	3.72	7.0	2.2	2.3	64	9.5
JL90S-2	1.5	2840	3.43	3.26	3.14	79.0	0.84	0.0029	5.14	7.0	2.2	2.3	69	11.8
JL90L-2	2.2	2840	4.85	4.61	4.44	81.1	0.85	0.0055	7.40	7.0	2.2	2.3	69	13.5
JL100L-2	3	2860	6.33	6.01	5.79	82.8	0.87	0.0109	9.95	7.5	2.2	2.3	73	21
JL112M-2	4	2880	8.18	7.77	7.49	84.4	0.88	0.0126	13.22	7.5	2.2	2.3	74	28
JL132S1-2	5.5	2900	11.1	10.5	10.1	85.9	0.88	0.0377	18.11	7.5	2.2	2.3	77	39
JL132S2-2	7.5	2900	14.9	14.1	13.6	87.2	0.88	0.0499	24.70	7.5	2.2	2.3	77	44.5
JL160M1-2	11	2930	21.2	20.2	19.4	88.5	0.89	0.055	35.85	7.5	2.2	2.3	83	69.5
JL160M2-2	15	2930	28.6	27.2	26.2	89.5	0.89	0.075	48.89	7.5	2.2	2.3	83	78.0
JL160L-2	18.5	2930	34.6	32.9	31.7	90.2	0.90	0.124	60.30	7.5	2.2	2.3	83	88.5

4 pole · 1500T/M · 50 Hz

Type	Output	Speed	In (Amps)			Efficiency η %	Power Factor cos. φ %	Moment (J)	Tn	Is	Is	Tmax	Noise Level	Weight
	KW	r/min	380V	400V	415V	100% FL	100% FL	kgm ²	Nm	In	Tn	Tn	dB(A)	kg
JL561-4	0.06	1325	0.28	0.27	0.26	56.0	0.58	0.0003	0.43	4.0	2.0	2.1	48	3.6
JL562-4	0.09	1325	0.39	0.37	0.35	58.0	0.61	0.0004	0.64	4.0	2.0	2.1	48	3.6
JL631-4	0.12	1310	0.44	0.42	0.41	57.0	0.72	0.0005	0.84	4.4	2.1	2.2	48	4.5
JL632-4	0.18	1310	0.62	0.59	0.57	60.0	0.73	0.0006	1.26	4.4	2.1	2.2	48	4.7
JL711-4	0.25	1330	0.79	0.75	0.72	65.0	0.74	0.0008	1.73	5.2	2.1	2.2	53	6
JL712-4	0.37	1330	1.12	1.06	1.02	67.0	0.75	0.0013	2.56	5.2	2.1	2.2	53	6.3
JL801-4	0.55	1390	1.57	1.49	1.43	71.1	0.75	0.0018	3.75	5.2	2.3	2.3	58	10
JL802-4	0.75	1390	2.05	1.95	1.88	73.1	0.76	0.0021	5.11	6.0	2.3	2.3	58	11
JL90S-4	1.1	1390	2.84	2.7	2.6	76.3	0.77	0.0023	7.50	6.0	2.3	2.3	59	13
JL90L-4	1.5	1390	3.67	3.49	3.36	78.6	0.79	0.0027	10.23	6.0	2.3	2.3	59	14
JL100L1-4	2.2	1410	5.08	4.83	4.65	81.2	0.81	0.0054	14.80	7.0	2.3	2.3	61	23
JL100L2-4	3	1410	6.72	6.39	6.15	82.7	0.82	0.0067	20.18	7.0	2.3	2.3	61	25
JL112M-4	4	1435	8.79	8.35	8.05	84.3	0.82	0.0095	26.53	7.0	2.3	2.3	62	28
JL132S-4	5.5	1440	11.7	11.1	10.7	85.8	0.83	0.0214	36.48	7.0	2.3	2.3	69	45
JL132M-4	7.5	1440	15.6	14.8	14.3	87.1	0.84	0.0296	49.74	7.0	2.3	2.3	69	55
JL160M-4	11	1460	22.5	21.4	20.6	88.5	0.84	0.0747	71.59	7.0	2.3	2.3	72	78
JL160L-4	15	1460	30	28.5	27.4	89.5	0.85	0.0918	98.12	7.0	2.3	2.3	72	90

In = Full Load Current · Is = Locked Rotor Current · Ts = Locked Rotor Torque · T-max = Maximum Torque · Tn = Full Load Torque

6 pole · 1000T/M · 50 Hz

Type	Output	Speed	In (Amps)			Efficiency η %	Power Factor cos. φ %	Moment (J)	Tn	Is	Is	Tmax	Noise Level	Weight
	KW	r/min	380V	400V	415V	100% FL	100% FL	kgm ²	Nm	In	Tn	Tn	dB(A)	kg
JL631-6	0.09	840	0.52	0.49	0.47	44.0	0.60	0.00025	1.80	3.5	1.8	1.9	48	4.8
JL632-6	0.12	850	0.63	0.60	0.58	48.0	0.60	0.0004	2.25	3.5	1.8	1.9	48	5.1
JL711-6	0.18	850	0.74	0.70	0.68	56.0	0.66	0.0011	1.91	4.0	1.9	2.0	49	6.0
JL712-6	0.25	850	0.95	0.90	0.87	59.0	0.68	0.0014	2.65	4.0	1.9	2.0	49	6.3
JL801-6	0.37	885	1.30	1.23	1.19	62.0	0.70	0.0016	3.93	4.7	1.9	2.0	51	8.9
JL802-6	0.55	885	1.78	1.69	1.63	65.0	0.72	0.0019	5.84	4.7	1.9	2.1	51	10.4
JL90S-6	0.75	910	2.29	2.18	2.10	69.0	0.73	0.0029	7.87	5.5	2.0	2.1	54	12.1
JL90L-6	1.1	910	3.18	3.02	2.91	72.1	0.75	0.0035	11.54	5.5	2.0	2.1	54	13.7
JL100L-6	1.5	920	3.99	3.79	3.66	76.1	0.76	0.0069	15.24	5.5	2.0	2.1	58	23
JL112M-6	2.2	935	5.55	5.28	5.08	79.2	0.76	0.0140	22.35	6.5	2.1	2.1	62	28.2
JL132S-6	3	960	7.4	7.03	6.77	81.1	0.76	0.0286	29.84	6.5	2.1	2.1	66	40.3
JL132M1-6	4	960	9.74	9.25	8.92	82.1	0.77	0.0357	39.79	6.5	2.1	2.1	66	43
JL132M2-6	5.5	960	12.9	12.3	11.8	84.1	0.77	0.0449	54.71	6.5	2.1	1.1	66	47.2
JL160M-6	7.5	970	17.2	16.3	15.7	86.1	0.77	0.0810	73.84	6.5	2.1	2.1	70	70.6
JL160L-6	11	970	24.5	23.2	22.4	87.6	0.78	0.1160	108.30	6.5	2.1	2.1	70	85

8 pole · 750T/M · 50 Hz

Type	Output	Speed	In (Amps)			Efficiency η %	Power Factor cos. φ %	Moment (J)	Tn	Is	Is	Tmax	Noise Level	Weight
	KW	r/min	380V	400V	415V	100% FL	100% FL	kgm ²	Nm	In	Tn	Tn	dB(A)	kg
JL711-8	0.09	600	0.60	0.57	0.55	40.0	0.57	0.0080	1.95	2.8	1.8	1.9	48	6
JL712-8	0.12	600	0.71	0.70	0.65	45.0	0.57	0.0010	2.16	2.8	1.8	1.9	48	6.3
JL801-8	0.18	645	0.88	0.84	0.80	51.0	0.61	0.0025	2.5	3.3	1.8	1.9	48	8.9
JL802-8	0.25	645	1.15	1.10	1.06	54.0	0.61	0.0030	3.5	3.3	1.8	1.9	48	10.4
JL90S-8	0.37	670	1.49	1.41	1.36	62.0	0.61	0.0051	5.1	4.0	1.8	1.9	53	12.1
JL90L-8	0.55	670	2.17	2.07	1.99	63.0	0.61	0.0065	7.6	4.0	1.8	2.0	53	13.7
JL100L1-8	0.75	680	2.40	2.28	2.19	71.0	0.67	0.0095	10.2	4.0	1.8	2.0	56	23
JL100L2-8	1.1	680	3.32	3.15	3.04	73.0	0.69	0.0110	15.0	5.0	1.8	2.0	56	25.1
JL112M-8	1.5	690	4.40	4.18	4.03	75.0	0.69	0.0245	20.5	5.0	1.8	2.0	59	28.2
JL132S-8	2.2	705	6.04	5.73	5.53	78.0	0.71	0.0314	29.6	6.0	1.8	2.0	61	40.3
JL132M-8	3	705	7.90	7.51	7.24	79.0	0.73	0.0395	40.4	6.0	1.8	2.0	61	45
JL160M1-8	4	720	10.30	9.76	9.41	81.0	0.73	0.0753	53.1	6.0	1.9	2.0	65	68.5
JL160M2-8	5.5	720	13.60	12.9	12.50	83.0	0.74	0.0931	72.6	6.0	2.0	2.0	65	76.0
JL160L-8	7.5	720	17.80	16.9	16.30	85.5	0.75	0.1260	99.5	6.0	2.0	2.0	65	86.2

JL 56 -160



JL56



JL63

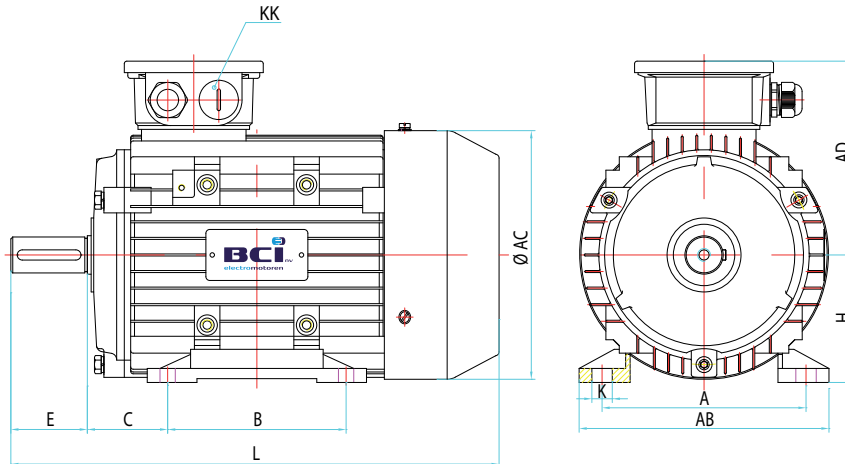


JL71

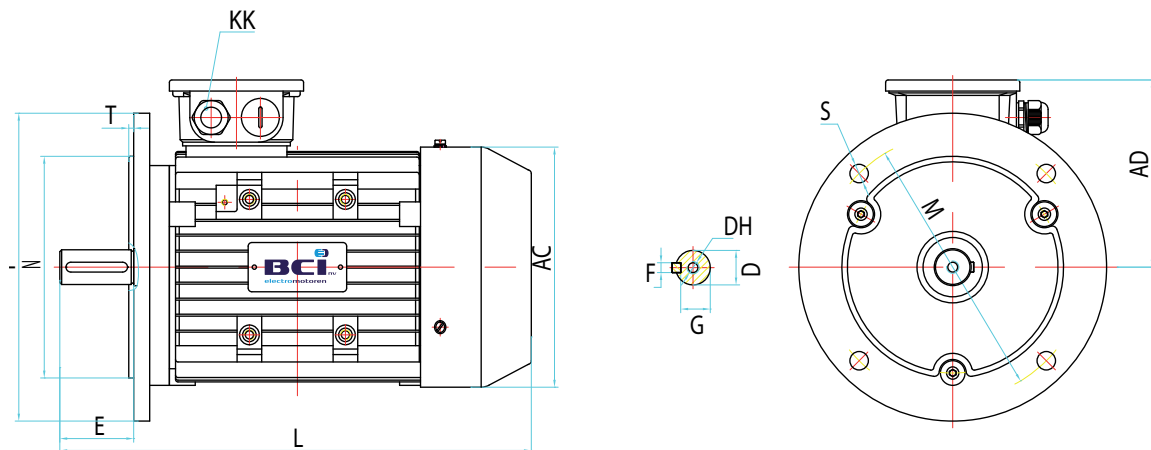


JL80

B3



B5



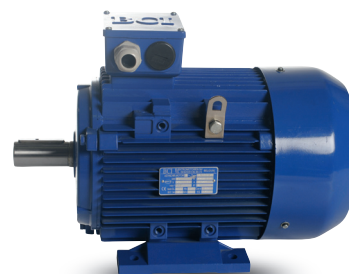
	B3															B5				
FRAME	A	AB	AC	AD	B	C	D	DH	E	F	G	H	K	KK Metric	L	M	N	P	S	T
JL56	90	115	110	100	71	36	9	M4X12	20	3	7.2	56	5.8	2-M20X1.5	170	100	80	120	7	3
JL63	100	135	130	115	80	40	11	M4X12	23	4	8.5	63	7	2-M20X1.5	225	115	95	140	10	3
JL71	112	150	145	120	90	45	14	M5X12	30	5	11	71	7	2-M20X1.5	250	130	110	160	10	3.5
JL80	125	165	175	145	100	50	19	M6X16	40	6	15.5	80	10	2-M25X1.5	295	165	130	200	12	3.5
JL90S	140	180	195	155	100	56	24	M8X19	50	8	20	90	10	2-M25X1.5	315	165	130	200	12	3.5
JL90L	140	180	195	155	125	56	24	M8X19	50	8	20	90	10	2-M25X1.5	340	165	130	200	12	3.5
JL100L	160	205	215	180	140	63	28	M10X22	60	8	24	100	12	2-M32X1.5	385	215	180	250	15	4
JL112M	190	230	240	190	140	70	28	M10X22	60	8	24	112	12	2-M32X1.5	400	215	180	250	15	4
JL132S	216	270	275	210	140	89	38	M12X28	80	10	33	132	12	2-M32X1.5	470	265	230	300	15	4
JL132M	216	70	275	210	178	89	38	M12X28	80	10	33	132	12	2-M32X1.5	510	265	230	300	15	4
JL160M	254	320	330	255	210	108	42	M16X36	110	12	37	160	15	2-M40X1.5	615	300	250	350	19	5
JL160L	254	320	330	255	254	108	42	M16X36	110	12	37	160	15	2-M40X1.5	670	300	250	350	19	5



JL90

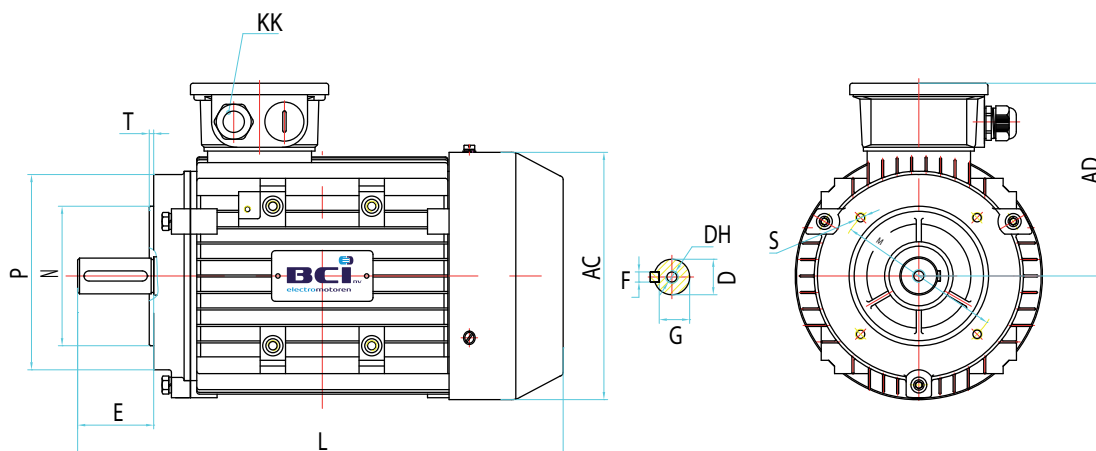


JL112

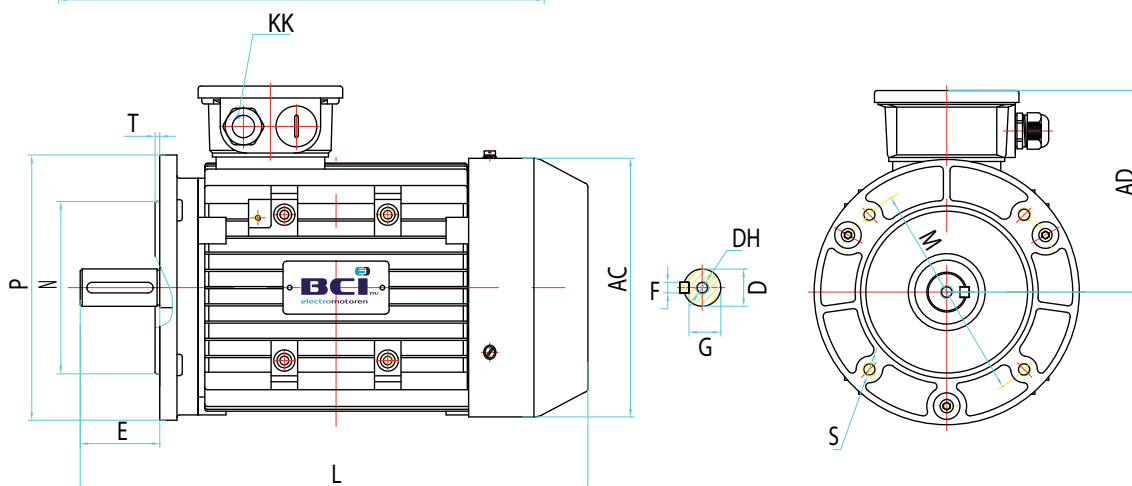


JL132

B14A



B14B



FRAME	B14A										B14B				
	AC	AD	D	DH	E	F	G	KK	METRIC	L	M	N	P	S	T
JL56	110	100	9	M4X12	20	3	7.2	2-M20X1.5	170	65	50	80	M5	2.5	85
JL63	130	115	11	M4X12	23	4	8.5	2-M20X1.5	225	75	60	90	M5	2.5	100
JL71	145	120	14	M5X12	30	5	11	2-M20X1.5	250	85	70	105	M6	2.5	115
JL80	175	145	19	M6X16	40	6	15.5	2-M25X1.5	295	100	80	120	M6	3	130
JL90S	195	155	24	M8X19	50	8	20	2-M25X1.5	315	115	95	140	M8	3	130
JL90L	195	155	24	M8X19	50	8	20	2-M25X1.5	340	115	95	140	M8	3	130
JL100L	215	180	28	M10X22	60	8	24	2-M32X1.5	385	130	110	160	M8	3.5	165
JL112M	240	190	28	M10X22	60	8	24	2-M32X1.5	400	130	110	160	M8	3.5	165
JL132S	275	210	38	M12X28	80	10	33	2-M32X1.5	470	165	130	200	M10	3.5	215
JL132M	275	210	38	M12X28	80	10	33	2-M32X1.5	510	165	130	200	M10	3.5	215
JL160M	330	255	42	M16X36	110	12	37	2-M40X1.5	615	215	180	250	M12	4	-
JL160L	330	255	42	M16X36	110	12	37	2-M40X1.5	670	215	180	250	M12	4	-

standaard
JL speciaal

Vergelijking van de jaarlijkse kostenbesparing tussen IE2 en IE1 4-polige elektromotoren.

Elektriciteitsprijs 0,10 €/kWh

Kostenbesparing Per Motor		0.75kW	1.1kW	1.5kW	2.2kW	3kW	4kW	5.5kW	7.5kW	11kW	15kW	18.5kW
2.000 uren	kW/h	196.02	230.63	262.82	301.25	344.42	389.08	444.25	530.92	615.27	709.29	863.20
8 uur per dag	€	19.60	23.06	26.28	30.12	34.44	38.91	44.43	53.09	61.53	70.93	86.32
4.000 uren	kW/h	392.04	461.26	525.64	602.50	688.84	778.16	888.51	1,061.85	1,230.54	1,418.58	1,726.39
16 uur per dag	€	39.20	46.13	52.56	60.25	68.88	77.82	88.95	106.18	123.05	141.86	172.64
8.760 uren	kW/h	858.58	1,010.16	1,151.16	1,319.47	1,508.56	1,704.17	1,945.83	2,325.45	2,694.88	3,106.68	3,780.80
Continue bedrijf	€	85.86	101.02	115.12	131.95	150.86	170.42	194.58	232.55	269.49	310.67	378.08
Efficiency %	IE1	72.1	75	77.2	79.7	81.5	83.1	84.7	86	87.6	88.7	89.3
	IE2	79.6	81.4	82.8	84.3	85.5	86.6	87.7	88.7	89.8	90.6	91.2
	IE3	82.5	84.1	85.3	86.7	87.7	88.6	89.6	90.4	91.4	92.1	92.6

Kostenbesparing Per Motor		22kW	30kW	37kW	45kW	55kW	75kW	90kW	110kW	132kW	160kW	200-375kW
2.000 uren	kW/h	908.20	1,146.73	1,312.95	1,475.88	1,788.34	2,237.83	2,465.58	2,994.27	3,577.86	3,954.34	4,922.03
8 uur per dag	€	90.83	114.67	131.30	147.59	178.83	223.78	246.56	299.43	357.79	395.43	492.20
4.000 uren	kW/h	1,816.67	2,293.47	2,625.90	2,951.76	3,576.67	4,475.66	4,931.17	5,988.53	7,155.72	7,908.67	9,844.06
16 uur per dag	€	181.67	229.35	262.59	295.18	357.67	447.57	493.12	598.85	715.57	790.87	984.41
8.760 uren	kW/h	3,978.50	5,022.69	5,750.72	6,464.36	7,832.92	9,801.69	10,799.26	13,114.89	15,671.04	17,319.99	21,558.49
Continue bedrijf	€	397.85	502.27	575.07	646.44	783.29	980,17	1,079.93	1,311.49	1,567.10	1,732.00	2,155.85
Efficiency %	IE1	89.9	90.7	91.2	91.7	92.1	92.7	93	93.3	93.5	93.8	94
	IE2	91.6	92.3	92.7	93.1	93.5	94	94.2	94.5	94.7	94.9	95.1
	IE3	93	93.6	93.9	94.2	94.6	95	95.2	95.4	95.6	95.8	96

2 pole • 3000T/M • 50 Hz

Type	Output	Speed	Efficiency η % (IE2)	Efficiency η %	Power Factor cos. φ %	In (Amps)			Tn	I_s Tn	Tmax Tn	I_s In	Weight
	KW	r/min	100%FL	100%FL	100%FL	380V	400V	415V	Nm				(kg)
JL1-801-2	0.75	2875	77.4	77.6	0.83	1.77	1.68	1.62	2.49	2.5	3	5.30	12
JL1-802-2	1,1	2875	79,6	79,7	0,84	2,50	2,37	2,29	3,65	3,2	3,8	7,00	13,5
JL1-905-2	1,5	2890	81,3	81,6	0,84	3,32	3,16	3,04	4,96	2,7	3,5	7,10	17,5
JL1-90L-2	2.2	2890	83.2	83.3	0.85	4.72	4.48	4.32	7.27	2.4	3	6.90	22
JL1-100L-2	3	2891	84.6	84.9	0.87	6.17	5.86	5.65	9.91	3.2	4	8.00	29
JL1-112M-2	4	2914	85,8	85,9	0,88	8,04	7,64	7,36	13,11	2,5	3	7,50	32
JL1-13251-2	5.5	2937	87.0	87.1	0.86	11.2	10.6	10.2	17.88	2.7	3.5	7.50	47.5
JL1-13252-2	7.5	2940	88.1	88.4	0.88	14.6	13.9	13.4	24.36	2.4	3.3	7.50	53
JL1-160M1-2	11	2930	89.4	89,5	0,89	21,0	19,9	19,2	35,85	2,2	2,9	7,60	96
JL1-160M2-2	15	2930	90.3	90.3	0.89	28.4	26.9	26.0	48.89	2.3	3	7.60	105
JL1-160L-2	18.5	2937	90.9	91.0	0.89	34.7	33.0	31.8	60.15	2.3	3.1	7.40	115
JL1180M-2	22	2940	92,3	92,3	0,90	40,2	38,2	36,8	71.46	1.9	3	8,2	125

4 pole • 1500T/M • 50 Hz

Type	Output	Speed	Efficiency η % (IE2)	Efficiency η %	Power Factor cos. φ %	In (Amps)			Tn	I_s Tn	Tmax Tn	I_s In	Weight
	KW	r/min	100%FL	100%FL	100%FL	380V	400V	415V	Nm				(kg)
JL1-802-4	0,75	1400	79,6	79,8	0,76	1,88	1,78	1,72	5,12	2,4	2,9	5	14,5
JL1-905-4	1,1	1440	81.4	81,6	0,77	2,66	2,53	2,44	7,3	3	3,5	6	18,5
JL1-90L-4	1,5	1445	82,8	82,9	0,77	3,57	3,39	3,27	9,91	3,2	3,8	6.8	21
JL1-100L1-4	2,2	1440	84,3	84,5	0,81	4,88	4,64	4,47	14,6	3	3,5	7	31
JL1-100L2-4	3	1440	85,5	85,5	0,82	6,50	6,18	5,95	19,9	2,6	3,3	7	37
JL1-112M-4	4	1445	86.6	86,7	0,82	8,55	8,12	7,83	26,4	3,5	4	7,5	42
JL1-1325-4	5,5	1455	87,7	87,8	0,83	11,5	10,9	10,5	36,1	2,2	2,8	7	52,5
JL1-132M-4	7.5	1455	88.7	88,7	0,84	15,3	14,5	14,0	49,2	2,4	3	7	64
JL1-160M-4	11	1460	89,8	89,9	0,84	22,1	21,0	20,3	71,9	2,5	2,9	6,9	99
JL1-160L-4	15	1460	90,6	90,7	0,85	29,6	28,1	27,1	98,1	2,5	3	7,5	114
JL1-180M-4	18.5	1470	91.2	91,3	0,86	35,8	34,0	32,8	120,2	2,6	3,1	7,8	120
JL1-180L-4	22	1470	91,6	91,8	0,86	42,3	40,2	38,8	142,9	2,6	3,1	7,5	134

6 pole • 1000T/M • 50 Hz

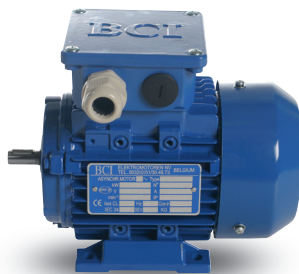
Type	Output	Speed	Efficiency η % (IE2)	Efficiency η %	Power Factor cos. φ %	In (Amps)			Tn	I_s Tn	Tmax Tn	I_s In	Weight
	KW	r/min	100%FL	100%FL	100%FL	380V	400V	415V	Nm				(kg)
JL1-905-6	0.75	934	75.9	76.1	0.72	2.08	1.98	1.90	7.67	2.2	2.4	4.5	18.5
JL1-90L-6	1,1	945	78,1	78,1	0,72	2,97	2,82	2,72	11,1	2,4	2,6	4,5	21
JL1-100L-6	1,5	945	79,8	79,9	0,75	3,80	3,61	3,48	15,2	1,8	2,2	4,2	28,5
JL1-112M-6	2.2	960	81,8	81,9	0,76	5,37	5,10	4,92	21,9	2,3	2,8	4,5	33,5
JL1-1325-6	3	964	83.3	83.4	0.76	7.19	6.83	6.58	29.7	1.8	2.4	4.5	44
JL1-132M1-6	4	965	84,6	84,8	0,76	9,43	8,96	8,63	39,6	2,3	2,7	5	53
JL1-132M2-6	5.5	965	86,0	86,2	0,77	12,6	12,0	11,5	54,4	1,9	2,8	5,5	63,5
JL1-160M-6	7.5	970	87.2	87.3	0.78	16.7	15.9	15.3	73.8	2	3	65	100
JL1-160L-6	11	970	88,7	88,8	0,78	24,1	22,9	22,1	108,3	2,4	3,3	7,5	113
JL1-180L-6	15	975	89,7	89,7	0,81	31,4	29,8	28,7	146,9	2	2,7	6,4	126

In= Full Load Current I_s =Locked Rotor Current T_s =Locked Rotor Torque Tmax= Maximum Torque Tn= Full Load Torque T_s/T_n : ratio of locked rotor torque and rated torque Tmax/Tn: ratio of break-down torque and rated torque I_s/I_n : ratio of locked rotor amps and rated amps

JL180 -160 IE2



JL156



JL163

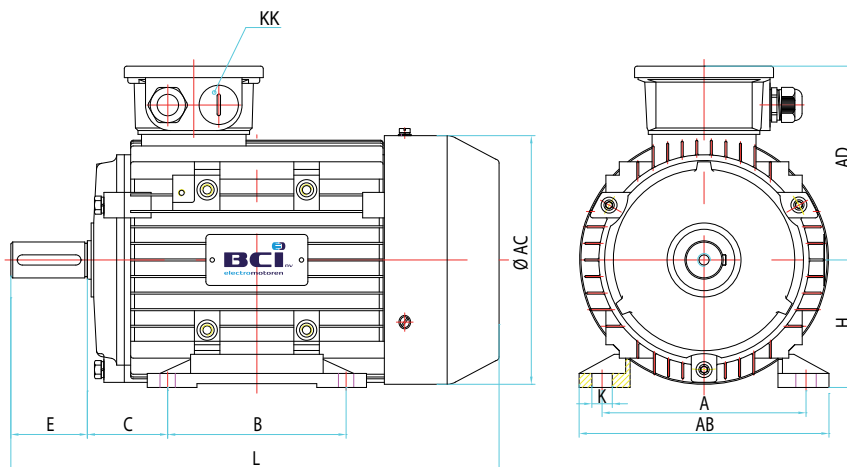


JL171

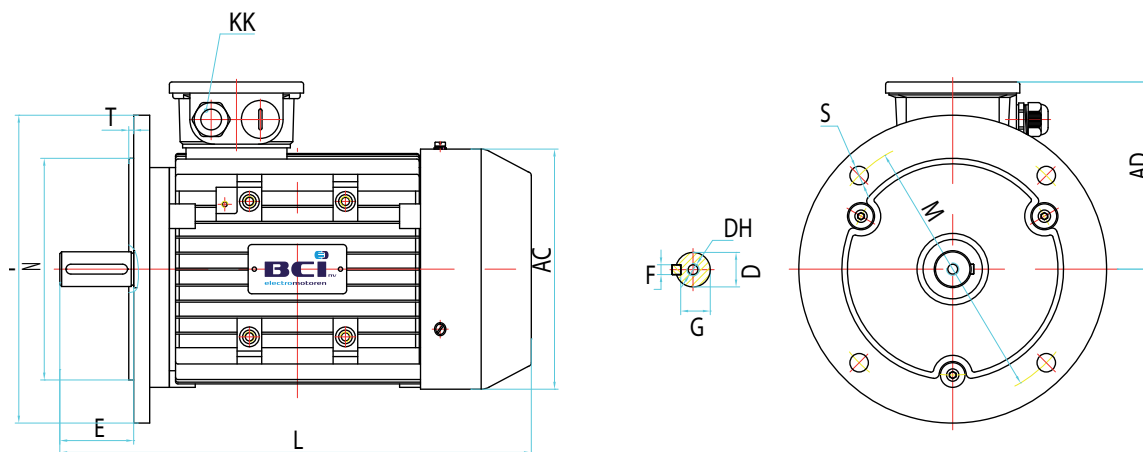


JL180

B3



B5



	B3															B5				
FRAME	A	AB	AC	AD	B	C	D	DH	E	F	G	H	K	KK Metric	L	M	N	P	S	T
80	125	157	158	129	100	50	19	M6X16	40	6	15.5	80	10X14	1-M25X1,5	290	165	130	200	12	3.5
90S	140	173	175	140	100	56	24	M8X19	50	8	20	90	10X14	1-M25X1,5	325	165	130	200	12	3.5
90L	140	173	175	140	125	56	24	M8X19	50	8	20	90	10X14	1-M25X1,5	350	165	130	200	12	3.5
100L	160	196	198	156	140	63	28	M10X22	60	8	24	100	12X16	1-M32X1,5	398	215	180	250	14.5	4
112M	190	227	219	166	140	70	28	M10X22	60	8	24	112	12X16	2-M32X1,5	447	215	180	250	14.5	4
132S	216	262	258	188	140	89	38	M12X28	80	10	33	132	12X16	2-M32X1,5	475	265	230	300	14.5	4
132M	216	262	258	188	178	89	38	M12X28	80	10	33	132	12X16	2-M32X1,5	513	265	230	300	14.5	4
160M	254	304	315	242	210	108	42	M16X36	110	12	37	160	15X18	2-M40X1,5	609	300	250	350	18.5	5
160L	254	304	315	242	254	108	42	M16X36	110	12	37	160	15x18	2-M40X1,5	653	300	250	350	18.5	5
180M	279	350	355	272	241	121	48	M16X36	110	14	42,5	180	15X18	2-M40X1,5	727	300	250	350	18.5	5
180L	279	350	355	272	279	121	48	M16X36	110	14	42,5	180	15x18	2-M40X1,5	765	300	250	350	18.5	5

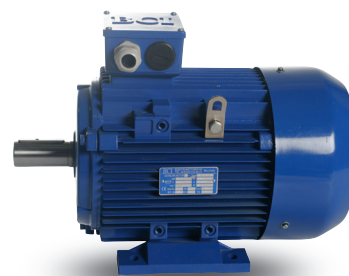
JL180-160 IE2



JL190

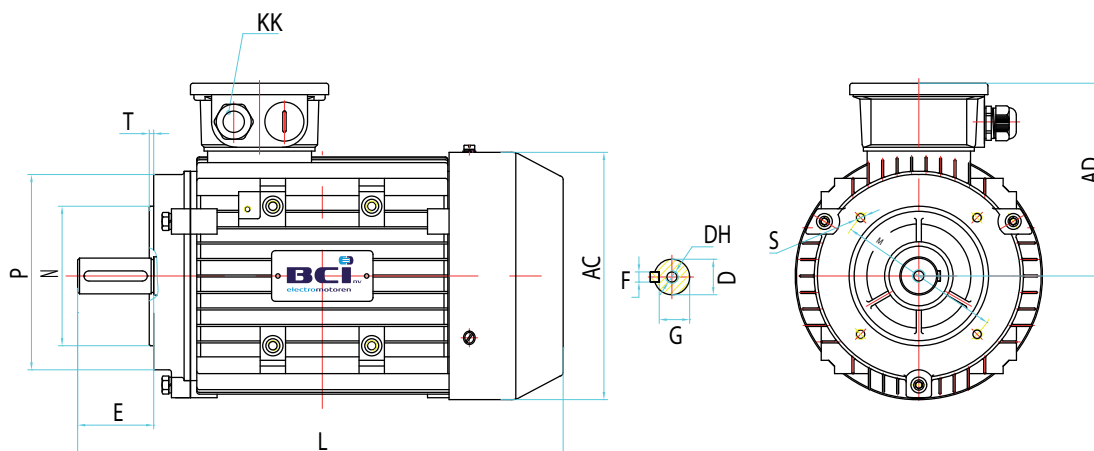


JL112

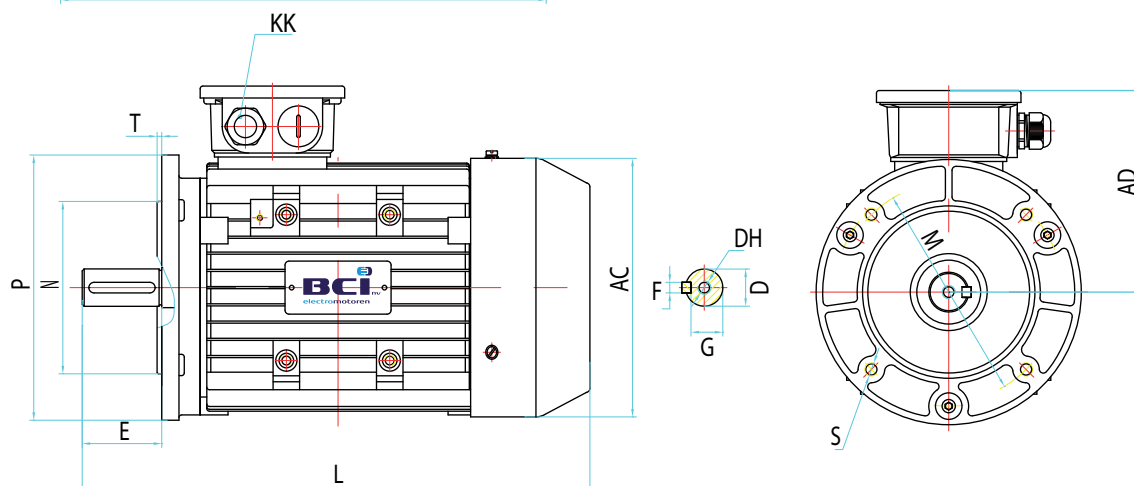


JL132

B14A



B14B



FRAME	B14A										B14B				
	AC	AD	D	DH	E	F	G	KK	METRIC	L	M	N	P	S	T
80	158	129	19	M6X16	40	6	15.5	1-M25X1.5		290	100	80	120	M6	3
90S	175	140	24	M8X19	50	8	20	1-M25X1.5		325	115	95	140	M8	3
90L	175	140	24	M8X19	50	8	20	1-M25X1.5		350	115	95	140	M8	3
100L	198	156	28	M10X22	60	8	24	1-M32X1.5		398	130	110	160	M8	3.5
112M	219	166	28	M10X22	60	8	24	2-M32X1.5		447	130	110	160	M8	3.5
132S	258	188	38	M12X28	80	10	33	2-M32X1.5		475	165	130	200	M10	3.5
132M	258	188	38	M12X28	80	10	33	2-M32X1.5		513	165	130	200	M10	3.5
160M	315	242	42	M16X36	110	12	37	2-M40X1.5		609	215	180	250	M12	4
160L	315	242	42	M16X36	110	12	37	2-M40X1.5		653	215	180	250	M12	4

2 pole · 3000T/M · 50 Hz

Type	Output	Speed	In (Amps)			Efficiency $\eta\%$	Power Factor cos. $\varphi\%$	Tn	Ts	Tmax	Is	Noise Level	Moment of inertia J	Weight
	KW	r/min	380V	400V	415V	100% FL	100% FL	Nm	Tn	Tn	In	dB(A)	kgm ²	kg
JM1-631-2	0.18	2720	0.52	0.5	0.48	65.0	0.80	0.61	2.2	2.2	5.5	61	0.0031	14
JM1-632-2	0.25	2720	0.69	0.65	0.63	68.0	0.81	0.96	2.2	2.2	5.5	61	0.0004	14.5
JM1-711-2	0.37	2740	0.99	0.94	0.91	70.0	0.81	1.26	2.2	2.2	6.1	64	0.0006	15
JM1-712-2	0.55	2740	1.39	1.33	1.29	73.0	0.82	1.88	2.2	2.3	6.1	64	0.0006	15.5
JM1-801-2	0.75	2840	1.7	1.62	1.56	80.6	0.83	2.54	2.2	2.3	6.1	67	0.0008	15.5
JM1-802-2	1.1	2840	2.4	2.28	2.19	82.9	0.84	3.72	3	3.2	8	67	0.0009	17.5
JM1-90S-2	1.5	2840	3.22	3.06	2.95	84.2	0.84	5.04	3	3.2	8	72	0.0012	21
JM1-90L-2	2.2	2840	4.59	4.31	4.2	85.7	0.85	7.4	3	3.2	8	72	0.0014	25
JM1-100L-2	3	2860	6.04	5.73	5.53	86.8	0.87	9.95	2.8	3.2	8	76	0.0029	33
JM1-112M-2	4	2880	7.87	7.48	7.21	87.7	0.88	13.22	2.5	3.2	8	77	0.0055	41
JM1-132S1-2	5.5	2900	10.7	10.2	9.79	88.8	0.88	18.11	2.2	3.2	8	80	0.0109	63
JM1-132S2-2	7.5	2900	14.5	13.7	13.2	89.6	0.88	24.7	2.2	3.2	8	80	0.0126	70
JM1-160M1-2	11	2930	20.7	19.6	18.9	90.8	0.89	35.85	1.9	3	8	86	0.0377	110
JM1-160M2-2	15	2930	28	26.6	25.6	91.5	0.89	48.89	1.9	3	8	86	0.0499	120
JM1-160L-2	18.5	2930	33.9	32.3	31.1	92.0	0.90	60.3	1.9	3	8	86	0.055	135
JM1-180M-2	22	2940	40.2	38.2	36.8	92.3	0.90	71.46	1.9	3	8.2	89	0.075	165
JM1-200L1-2	30	2950	54.5	51.7	49.9	93.0	0.90	97.12	1.9	3	7.6	92	0.124	218
JM1-200L2-2	37	2950	66.8	63.5	61.2	93.5	0.90	119.78	1.9	3	7.6	92	0.139	230
JM1-225M-2	45	2960	81	76.9	74.2	93.8	0.90	144.7	1.8	2.5	7.6	92	0.233	280
JM1-250M-2	55	2965	98.6	93.6	90.3	94.2	0.90	176.85	1.8	2.5	8.2	93	0.312	365
JM1-280S-2	75	2970	134	127	122	94.8	0.90	241.16	1.7	2.5	7.6	94	0.579	495
JM1-280M-2	90	2970	158	150	145	95.2	0.91	289.39	1.7	2.5	7.6	94	0.675	565
JM1-315S-2	110	2975	193	183	177	95.2	0.91	352.51	1.6	2.2	7.2	96	1.18	890
JM1-315M-2	132	2975	231	219	211	95.5	0.91	423.02	1.6	2.2	7.2	96	1.82	980
JM1-315L1-2	160	2975	276	263	253	95.6	0.92	512.75	1.6	2.2	7.2	99	2.08	1055
JM1-315L2-2	200	2975	346	329	317	95.5	0.92	640.94	1.6	2.2	7.2	99	2.38	1110
JM1-355M-2	250	2980	430	409	394	96.0	0.92	799.83	1.6	2.2	7.2	103	3.00	1900
JM1-355L-2	315	2980	542	515	496	96.0	0.92	1007.9	1.6	2.2	7.2	103	3.50	2300

T_s/T_n = ratio of locked rotor torque and rated torque

T_{max}/T_n = ratio of break-down torque and rated torque

I_s/I_n = ratio of locked rotor amps and rated amps

I_n = Full Load Current · I_s = Locked Rotor Current · T_s = Locked Rotor Torque · T_{max} = Maximum Torque · T_n = Full Load Torque

4 pole · 1500T/M · 50 Hz

Type	Output	Speed	In (Amps)			Efficiency $\eta\%$	Power Factor cos. $\varphi\%$	Tn	Ts	Tmax	Is	Noise Level	Moment of inertia J	Weight
	KW	r/min	380V	400V	415V	100% FL	100% FL	Nm	Tn	Tn	In	dB(A)	kgm ²	kg
JM1-712-4	0.37	1330	1.12	1.06	1.02	67.0	0.75	2.54	2.1	2.2	5.2	55	0.0008	14.5
JM1-801-4	0.55	1390	1.38	1.31	1.26	80.6	0.75	3.78	2.4	2.3	5.2	58	0.0018	15
JM1-802-4	0.75	1390	1.82	1.73	1.67	82.4	0.76	5.15	2.4	2.3	6.0	58	0.0021	16
JM1-90S-4	1.1	1390	2.59	2.46	2.37	83.9	0.77	7.50	2.7	3.0	7.0	61	0.0023	23
JM1-90L-4	1.5	1390	3.39	3.22	3.11	85.1	0.79	10.23	2.7	3.0	7.0	61	0.0027	25
JM1-100L1-4	2.2	1410	4.77	4.53	4.37	86.5	0.81	14.80	2.5	2.8	7.0	64	0.0054	33
JM1-100L2-4	3	1410	6.35	6.04	5.82	87.5	0.82	20.18	2.5	2.8	7.0	64	0.0067	35
JM1-112M-4	4	1435	8.37	7.96	7.67	88.5	0.82	26.53	2.2	2.8	7.0	65	0.0095	41
JM1-132S-4	5.5	1440	11.3	10.7	10.3	89.3	0.83	36.48	2.2	2.8	7.0	71	0.0214	65
JM1-132M-4	7.5	1440	15	14.3	13.8	90.2	0.84	49.74	2.2	2.8	7.0	71	0.0296	76
JM1-160M-4	11	1460	21.8	20.7	20.0	91.1	0.84	71.59	2.1	2.8	7.5	75	0.0747	118
JM1-160L-4	15	1460	29.1	27.7	26.7	92.0	0.85	98.12	2.1	2.8	7.5	75	0.0918	132
JM1-180M-4	18.5	1470	35.4	33.6	32.4	92.3	0.86	120.19	2.1	2.8	7.5	76	0.139	164
JM1-180L-4	22	1470	41.9	39.8	38.4	92.8	0.86	142.93	2.1	2.5	7.5	76	0.158	182
JM1-200L-4	30	1470	56.8	54	52	93.3	0.86	160.98	2.1	2.5	7.5	79	0.262	245
JM1-225S-4	37	1475	68.9	65.4	63.1	93.8	0.87	198.51	1.8	2.3	7.5	81	0.406	258
JM1-225M-4	45	1475	83.6	79.4	76.6	94.0	0.87	290.37	1.8	2.3	7.5	81	0.469	290
JM1-250M-4	55	1480	102	96.7	93.2	94.4	0.87	354.90	1.8	2.3	7.5	83	0.66	388
JM1-280S-4	75	1480	138	131	126	94.9	0.87	483.95	1.8	2.3	7.5	86	1.12	510
JM1-280M-4	90	1480	165	157	151	95.2	0.87	578.79	1.8	2.3	7.5	86	1.46	606
JM1-315S-4	110	1480	199	189	182	95.5	0.88	707.41	1.7	2.2	7.2	93	3.11	910
JM1-315M-4	132	1480	238	226	218	95.6	0.88	848.89	1.7	2.2	7.2	93	3.62	1000
JM1-315L1-4	160	1480	285	271	261	95.8	0.89	1029	1.7	2.2	7.2	97	4.13	1055
JM1-315L2-4	200	1480	357	339	327	95.6	0.89	1286.2	1.7	2.2	7.2	97	4.73	1128
JM1-355M-4	250	1490	440	418	403	96.0	0.90	1602.4	1.7	2.2	7.2	101	6.5	1700
JM1-355L-4	315	1490	554	526	507	96.0	0.90	2019	1.7	2.2	7.2	101	8.2	1900
JM1-355M-2	250	2980	430	409	394	96.0	0.92	799.83	1.6	2.2	7.2	103	3.00	1900
JM1-355L-2	315	2980	542	515	496	96.0	0.92	1007.9	1.6	2.2	7.2	103	3.50	2300

Ts/Tn = ratio of locked rotor torque and rated torque

Tmax/Tn = ratio of break-down torque and rated torque

Is/In = ratio of locked rotor amps and rated amps

In = Full Load Current · Is = Locked Rotor Current · Ts = Locked Rotor Torque · Tmax = Maximum Torque · Tn = Full Load Torque

6 pole · 1000T/M · 50 Hz

Type	Output	Speed	In (Amps)			Efficiency $\eta\%$	Power Factor cos. $\varphi\%$	Tn	Ts	Tmax	Is	Noise Level	Moment of inertia J	Weight
	KW	r/min	380V	400V	415V	100% FL	100% FL	Nm	Tn	Tn	In	dB(A)	kgm ²	kg
JM1-711-6	0.18	850	0.74	0.7	0.68	56.0	0.66	1.91	1.9	2.2	4	50	0.0011	14
JM1-712-6	0.25	850	0.95	0.9	0.87	59.0	0.68	2.65	1.9	2.0	4	50	0.0014	14.5
JM1-801-6	0.37	885	1.29	1.23	1.18	62.0	0.70	3.93	1.9	2.0	4.7	52	0.0016	15
JM1-802-6	0.55	885	1.54	1.46	1.41	75.5	0.72	5.84	1.9	2.1	4.7	52	0.0019	16
JM1-905-6	0.75	910	2.03	1.93	1.86	77.8	0.72	7.87	2.5	2.5	5.5	55	0.0029	19
JM1-90L-6	1.1	910	2.86	2.72	2.62	80	0.73	11.54	2.5	2.5	5.5	55	0.0035	22
JM1-100L-6	1.5	920	3.72	3.53	3.41	81.7	0.75	15.24	2.2	2.5	5.5	59	0.0069	32
JM1-112M-6	2.2	935	5.26	5	4.82	83.6	0.76	22.35	2.2	2.5	5.5	63	0.0140	41
JM1-132S-6	3	960	7.05	6.7	6.45	85.1	0.76	29.84	2.1	2.5	5.5	67	0.0286	63
JM1-132M1-6	4	960	9.27	8.8	8.48	86.3	0.76	39.79	2.1	2.5	6	67	0.0357	72
JM1-132M2-6	5.5	960	12.4	11.8	11.3	87.6	0.77	54.71	2.1	2.5	6	67	0.0449	81
JM1-160M-6	7.5	970	16.6	15.8	15.2	89.2	0.77	73.84	2.1	2.5	6	71	0.081	118
JM1-160L-6	11	970	22.6	22.6	21.8	90.2	0.78	108.30	2.1	2.5	6.5	71	0.116	145
JM1-180L-6	15	970	30.9	29.3	28.2	91.2	0.81	147.68	2.1	2.5	6.5	71	0.207	178
JM1-200L1-6	18.5	980	37.8	36	34.7	91.7	0.81	182.14	2.1	2.5	7	74	0.315	200
JM1-200L2-6	22	980	43.7	41.5	40	92.2	0.83	216.60	2.1	2.5	7	74	0.360	228
JM1-225M-6	30	980	58.6	55.7	53.7	92.6	0.84	292.35	1.8	2.0	7	74	0.547	265
JM1-250M-6	37	980	70.1	66.6	64.2	93.2	0.86	360.26	1.8	2.0	7	76	0.843	370
JM1-280S-6	45	980	84.8	80.6	77.7	93.7	0.86	438.52	1.8	2.0	7	78	1.39	490
JM1-280M-6	55	980	103	98.2	94.7	94	0.86	535.97	1.8	2.0	7	78	1.65	540
JM1-315S-6	75	985	140	133	128	94.6	0.86	730.87	1.8	2.0	7	83	4.11	900
JM1-315M-6	90	985	167	159	153	95	0.86	872.59	1.8	2.0	7	83	4.78	980
JM1-315L1-6	110	985	204	194	187	95.2	0.86	1066.5	1.8	2.0	7	83	5.45	1045
JM1-315L2-6	132	985	241	229	221	95.5	0.87	1279.8	1.8	2.0	7	83	6.12	1100
JM1-355M1-6	160	990	288	274	264	95.8	0.88	1543.4	1.8	2.0	7	90	9.50	1550
JM1-355M2-6	200	990	363	345	332	95.2	0.88	1913.3	1.8	2.0	7	90	10.4	1600
JM1-355L-6	250	990	454	431	416	95.1	0.88	2411.6	1.8	2.0	7	90	12.4	1700

Ts/Tn = ratio of locked rotor torque and rated torque

Tmax/Tn = ratio of break-down torque and rated torque

Is/In = ratio of locked rotor amps and rated amps

In = Full Load Current · **Is** = Locked Rotor Current · **Ts** = Locked Rotor Torque · **Tmax** = Maximum Torque · **Tn** = Full Load Torque

8 pole · 750T/M · 50 Hz

Type	Output	Speed	In (Amps)			Efficiency $\eta\%$	Power Factor cos. $\varphi\%$	Tn	Ts	Tmax	Is	Noise Level	Moment of inertia J	Weight
	KW	r/min	380V	400V	415V	100% FL	100% FL	Nm	Tn	Tn	In	dB(A)	kgm ²	kg
JM1-801-8	0.18	645	0.88	0.83	0.8	51.0	0.61	2.49	1.8	1.9	3.3	52	0.0025	16
JM1-802-8	0.25	645	1.57	1.09	1.05	54.0	0.61	3.46	1.8	1.9	3.3	52	0.003	18
JM1-90S-8	0.37	670	1.49	1.41	1.36	62.0	0.61	5.12	1.8	1.9	4.9	56	0.0051	22
JM1-90L-8	0.55	670	2.17	2.06	1.99	63.0	0.61	7.61	1.8	2.0	4.0	56	0.0065	24
JM1-100L1-8	0.75	680	2.31	2.2	2.12	73.6	0.67	10.23	1.8	2.0	4.0	59	0.009	30
JM1-100L2-8	1.1	680	3.17	3.01	2.9	76.5	0.69	15.00	1.8	2.0	5.0	59	0.011	32
JM1-112M-8	1.5	690	4.2	3.99	3.85	78.6	0.69	20.46	1.8	2.0	5.0	61	0.0245	40
JM1-132S-8	2.2	705	5.81	5.51	5.32	81.1	0.71	29.59	1.8	2.0	6.0	64	0.0314	64
JM1-132M-8	3	705	7.54	7.16	6.91	82.8	0.73	40.35	1.8	2.0	6.0	64	0.0395	78
JM1-160M1-8	4	720	9.86	9.37	9.03	84.4	0.73	53.06	1.9	2.0	6.0	68	0.0753	105
JM1-160M2-8	5.5	720	13.1	12.5	12	86.0	0.74	72.59	2.0	2.0	6.0	68	0.0931	115
JM1-160L-8	7.5	720	17.4	16.5	15.9	87.3	0.75	99.50	2.0	2.0	6.0	68	0.126	145
JM1-180L-8	11	730	24.7	23.5	22.6	89	0.76	143.90	2.0	2.0	6.0	70	0.203	160
JM1-200L-8	15	730	33.2	31.6	30.4	90.2	0.76	196.23	2.0	2.0	6.6	73	0.399	228
JM1-225S-8	18.5	730	40.7	38.7	37.3	90.8	0.76	242.02	1.9	2.0	6.6	73	0.491	242
JM1-225M-8	22	730	46.9	44.5	42.9	91.4	0.78	287.81	1.9	2.0	6.6	73	0.547	265
JM1-250M-8	30	735	62.5	59.4	57.2	92.3	0.79	382.47	1.9	2.0	6.6	75	0.834	368
JM1-280S-8	37	735	76.6	72.8	70.1	92.9	0.79	484.04	1.9	2.0	6.6	76	1.93	472
JM1-280M-8	45	735	92.7	88	84.8	93.4	0.79	580.74	1.8	2.0	6.6	76	3.65	538
JM1-315S-8	55	735	110	104	101	93.8	0.81	709.80	1.8	2.0	6.6	82	4.79	900
JM1-315M-8	75	735	149	141	136	94.5	0.81	967.91	1.8	2.0	6.6	82	5.58	1000
JM1-315L1-8	90	735	176	167	161	94.8	0.82	1161.49	1.8	2.0	6.6	82	6.37	1055
JM1-315L2-8	110	735	214	203	196	95.3	0.82	1419.60	1.8	2.0	6.4	82	7.23	1118
JM1-355M1-8	132	740	256	243	235	95.5	0.82	1692.08	1.8	2.0	6.4	90	7.9	2000
JM1-355M2-8	160	740	309	294	283	95.8	0.82	2051.00	1.8	2.0	6.4	90	10.3	2150
JM1-355L-8	200	740	382	363	350	95.8	0.83	2563.38	1.8	2.0	6.4	90	12.3	2250
JM1-355L-6	250	990	454	431	416	95.1	0.88	2411.6	1.8	2.0	7	90	12.4	1700

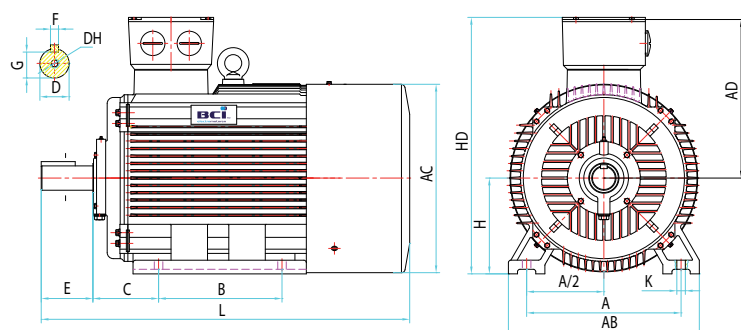
Ts/Tn = ratio of locked rotor torque and rated torque

Tmax/Tn = ratio of break-down torque and rated torque

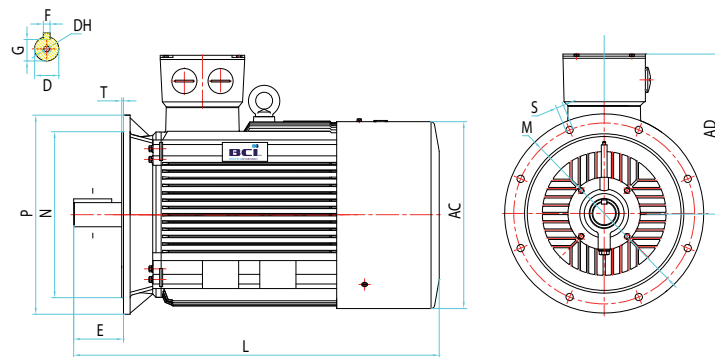
Is/In = ratio of locked rotor amps and rated amps

In = Full Load Current · Is = Locked Rotor Current · Ts = Locked Rotor Torque · Tmax = Maximum Torque · Tn = Full Load Torque

B3



B5



	B3																B5					
FRAME	A	A/2	B	C	D	E	F	G	H	K	AB	AC	AD	HD	L	DH	M	N	P	S	T	HF
JM1 63	100	50	80	40	11	23	4	8.5	63	7	135	130	70	180	230	M4x12	115	95	140	10	3	130
JM1 71	112	56	90	45	14	30	5	11	71	7	150	145	80	195	255	M5x12	130	110	160	10	3.5	145
JM1 80	125	62.5	100	50	19	40	6	15.5	80	10	165	175	145	220	295	M6x16	165	130	200	12	3.5	185
JM1 90S	140	70	100	56	24	50	8	20	90	10	180	195	155	250	320	M8x19	165	130	200	12	3.5	195
JM1 90L	140	70	125	56	24	50	8	20	90	10	180	195	155	250	345	M8x19	165	130	200	12	3.5	195
JM1 100L	160	80	140	63	28	60	8	24	100	12	205	215	180	270	385	M10x22	215	180	250	15	4	245
JM1 112M	190	95	140	70	28	60	8	24	112	12	230	240	190	300	400	M10x22	215	180	250	15	4	265
JM1 132S	216	108	140	89	38	80	10	33	132	12	270	275	210	345	470	M12x28	265	230	300	15	4	315
JM1 132M	216	108	178	89	38	80	10	33	132	12	270	275	210	345	510	M12x28	265	230	300	15	4	315
JM1 160M	254	127	210	108	42	110	12	37	160	15	320	330	255	422	615	M16x36	300	250	350	19	5	385
JM1 160L	254	127	254	108	42	110	12	37	160	15	320	330	255	422	670	M16x36	300	250	350	19	5	385
JM1 180M	279	139.5	241	121	48	110	14	42.5	180	15	355	380	280	458	700	M16x36	300	250	350	19	5	430
JM1 180L	279	139.5	279	121	48	110	14	42.5	180	15	355	380	280	458	740	M16x36	300	250	350	19	5	430
JM1 200L	318	159	305	133	55	110	16	49	200	19	395	420	305	525	770	M20x42	350	300	400	19	5	480
JM1 225S	356	178	286	149	60	140	18	53	225	19	435	470	335	574	815	M20x42	400	350	450	19	5	535
JM1 225M-2	356	178	311	149	55	110	16	49	225	19	435	470	335	574	820	M20x42	400	350	450	19	5	535
JM1 225M-4	356	178	311	149	60	140	18	53	225	19	435	470	335	574	845	M20x42	400	350	450	19	5	535
JM1 250M-2	406	203	349	168	60	140	18	53	250	-	490	510	370	635	910	M20x42	500	450	550	19	5	595
JM1 250M-4	406	203	349	168	65	140	18	58	250	-	490	510	370	635	910	M20x42	500	450	550	19	5	595
JM1 280S-2	457	228.5	368	190	65	140	18	58	280	-	550	580	410	693	985	M20x42	500	450	550	19	5	650
JM1 280S-4	457	228.5	368	190	75	140	20	67.5	280	-	550	580	410	693	985	M20x42	500	450	550	19	5	650
JM1 280M-2	457	228.5	419	190	65	140	18	58	280	-	550	580	410	693	1035	M20x42	500	450	550	19	5	650
JM1 280M-4	457	228.5	419	190	75	140	20	67.5	280	-	550	580	410	693	1035	M20x42	500	450	550	19	5	650
JM1 315S-2	508	254	406	216	65	140	18	58	315	-	635	645	530	810	1160	M20x42	600	550	660	24	6	-
JM1 315S-4	508	254	406	216	80	170	22	71	315	-	635	645	530	810	1270	M20x42	600	550	660	24	6	-
JM1 315M-2	508	254	457	216	65	140	18	58	315	-	635	645	530	810	1190	M20x42	600	550	660	24	6	-
JM1 315M-4	508	254	457	216	80	170	22	71	315	-	635	645	530	810	1300	M20x42	600	550	660	24	6	-
JM1 315L-2	508	254	508	216	65	140	18	58	315	-	635	645	530	810	1190	M20x42	600	550	660	24	6	-
JM1 315L-4	508	254	508	216	80	170	22	71	315	-	635	645	530	810	1300	M20x42	600	550	660	24	6	-
JM1 355M-2	610	305	560	254	75	140	20	67.5	355	-	730	710	655	1010	1500	M20x42	740	680	800	24	6	-
JM1 355M-4	610	305	560	254	100	210	25	86	355	-	730	710	655	1010	1530	M20x42	740	680	800	24	6	-
JM1 355L-2	610	305	560	254	75	140	20	67.5	355	-	730	710	655	1010	1500	M20x42	740	680	800	24	6	-
JM1 355L-4	610	305	630	254	100	210	25	86	355	-	730	710	655	1010	1530	M20x42	740	680	800	24	6	-

JM1 63 -355 IE2



JM1 132-B5



JM1 160



JM1 225

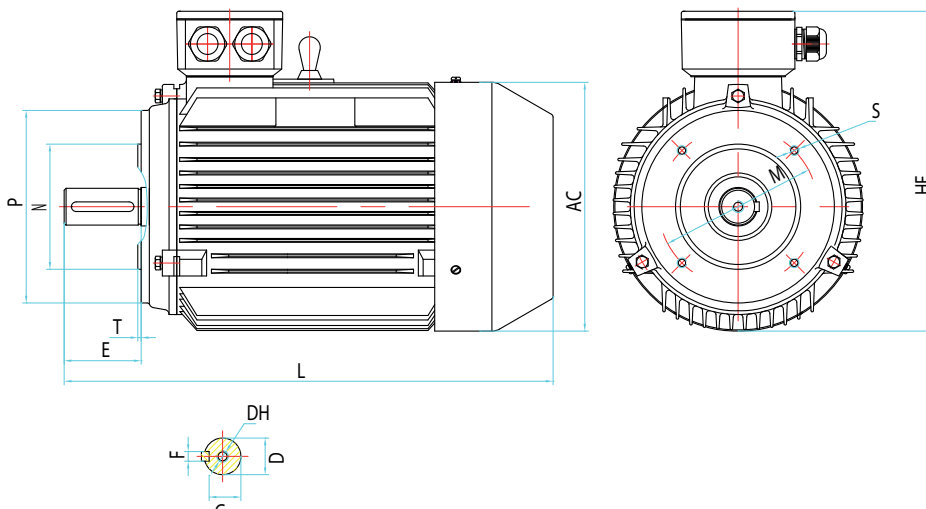


JM1 280

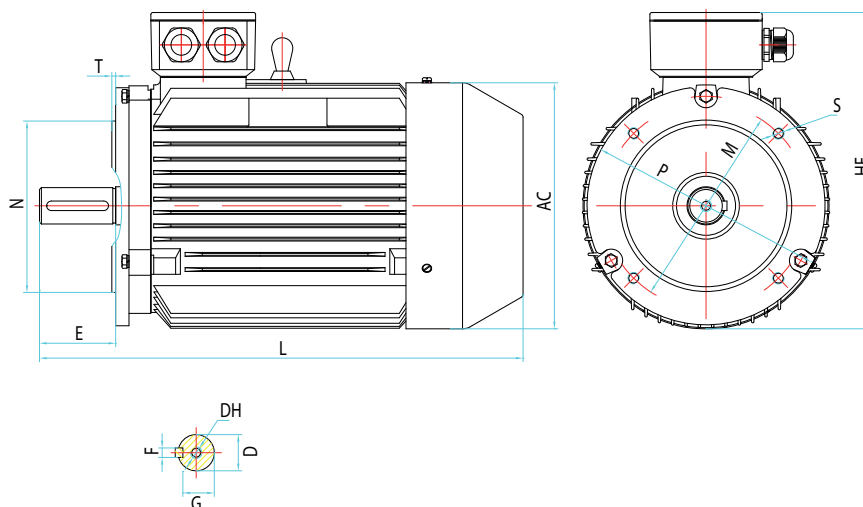


JM1 355

B14A



B14B



FRAME	B14A															B14B				
	A	A2	B	C	D	E	F	G	H	K	AB	AC	AD	HD	L	M	N	P	S	T
JM63	110	50	80	40	11	23	4	8.5	63	7	135	130	70	180	230	75	60	90	M5	2,5
JM71	112	56	90	45	14	30	5	11	71	7	150	155	80	195	255	85	70	105	M6	2,5
JM80	125	62.5	100	50	19	40	6	15.5	80	10	165	165	145	214	295	100	80	120	M6	3
JM90S	140	70	100	56	24	50	8	20	90	10	180	195	155	250	320	115	95	140	M8	3,5
JM90L	140	70	125	56	24	50	8	20	90	10	180	195	155	250	345	115	95	140	M8	3,5
JM100L	160	80	140	63	28	60	8	24	100	12	205	215	180	270	385	130	110	160	M8	3,5
JM112M	190	95	140	70	28	60	8	24	112	12	230	240	190	300	400	130	110	160	M8	3,5
132S	216	108	140	89	38	80	10	33	132	12	270	275	210	345	470	165	130	200	M10	3,5
132M	216	108	178	89	38	80	10	33	132	12	270	275	210	345	510	165	130	200	M10	3,5

2 pole · 3000T/M · 50 Hz

Type	Output	Speed	In (Amps)			Efficiency η %	Power Factor cos. φ %	Tn	I_s	I_{max}	I_L	Noise Level	Moment of inertia	Weight
	KW	r/min	380V	400V	415V	100% FL	100% FL	Nm	Tn	Tn	In	dB(A)	dB(A)	kg
JM400M-2	400	2982	689	657	637	95.9	0.92	1281	1.23	2.53	5.80	101	12.52	2604
JM400M-2	450	2982	775	737	713	95.9	0.92	1440	1.64	2.03	7.11	101	13.26	3035
JM400L-2	500	2982	853	814	791	96.0	0.92	1681	1.47	2.72	6.42	102	14.21	3122
JM400L-2V	560	2982	952	908	879	96.0	0.92	1793	1.31	2.43	5.74	102	14.95	3088
JM400L-2V	630	2892	1071	1019	985	96.1	0.93	2016	1.83	2.98	7.27	103	15.67	3987
JM450M-2	560	2986	945	900	873	96.3	0.93	1790	1.05	2.9	6.14	112	20.07	3340
JM450M-2	630	2984	1063	1012	983	96.3	0.93	2016	0.98	2.57	5.46	112	20.07	3340
JM450L-2	710	2988	1195	1138	1105	96.3	0.94	2270	1.38	3.42	7.29	112	27.10	4020
JM450L-2	800	2986	1340	1276	1239	96.5	0.94	2555	1.23	3.05	6.59	112	27.10	4120
JM450L-2	900	2985	1507	1435	1393	96.6	0.94	2874	1.09	2.71	5.86	112	27.10	4120

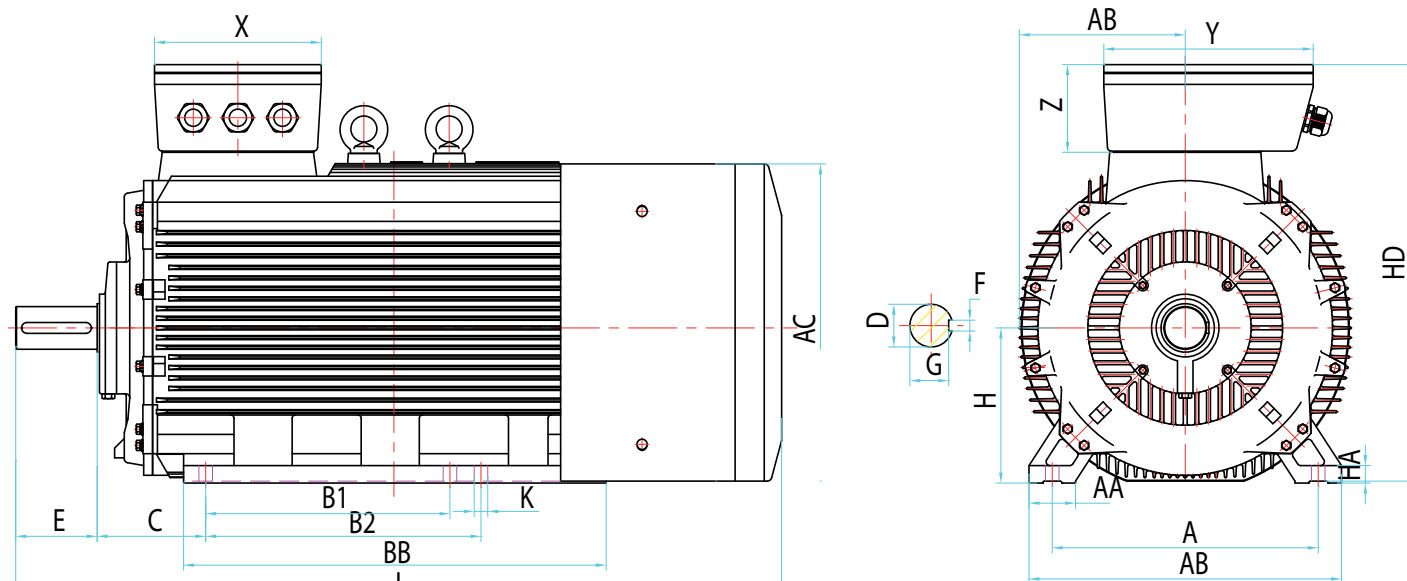
4 pole · 1500T/M · 50 Hz

Type	Output	Speed	In (Amps)			Efficiency η %	Power Factor cos. φ %	Tn	I_s	I_{max}	I_L	Noise Level	Moment of inertia	Weight
	KW	r/min	380V	400V	415V	100% FL	100% FL	Nm	Tn	Tn	In	dB(A)	dB(A)	kg
JM400M-4	400	1492	700	666	645	96.0	0.90	2510	1.92	2.75	6.61	111	14.95	2786
JM400M-4	450	1492	785	750	726	96.1	0.90	2880	2.03	2.81	6.84	111	15.63	3122
JM400L-4	500	1492	869	831	807	96.4	0.90	3203	1.83	2.52	6.19	111	18.41	3132
JM400L-4V	560	1492	971	924	893	96.4	0.90	3587	2.02	2.67	6.64	112	19.62	3548
JM400L-4V	630	1492	1092	1043	1011	96.4	0.91	4035	1.75	2.34	5.81	112	21.33	3589
JM450M-4	560	1492	967	921	894	96.3	0.91	3570	1.29	2.71	6.43	111	35.10	3584
JM450M-4	630	1492	1088	1036	1006	96.4	0.91	4020	1.47	2.9	6.94	111	41.00	4055
JM450L-4	710	1492	1222	1164	1130	96.4	0.91	4530	1.30	2.57	6.17	111	41.00	4055
JM450L-4	800	1491	1373	1308	1270	96.6	0.93	5100	1.53	2.28	6.91	111	49.50	4724
JM450L-4	900	1491	1571	1496	1452	96.6	0.92	5740	1.75	2.34	5.81	111	49.50	4732

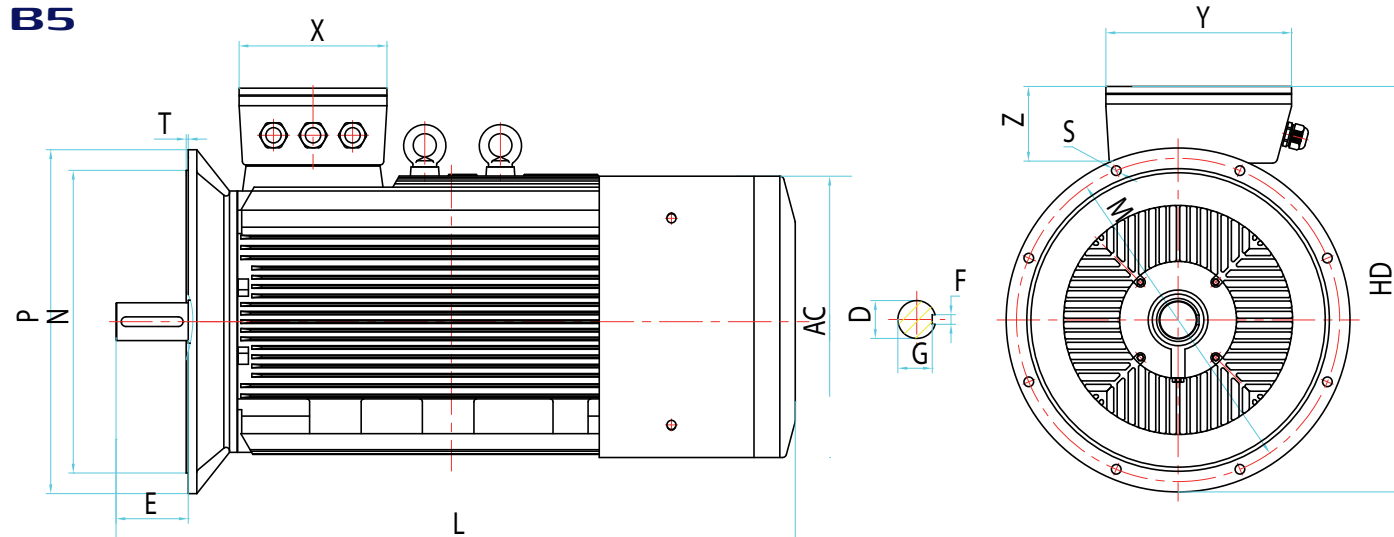
6 pole · 1000T/M · 50 Hz

Type	Output	Speed	In (Amps)			Efficiency η %	Power Factor cos. φ %	Tn	I_s	I_{max}	I_L	Noise Level	Moment of inertia	Weight
	KW	r/min	380V	400V	415V	100% FL	100% FL	Nm	Tn	Tn	In	dB(A)	dB(A)	kg
JM400M-6	315	994	571	552	535	95.8	0.86	3026	1.83	2.34	5.91	108	18.21	3003
JM400M-6	355	994	647	624	599	95.9	0.86	3411	1.86	2.31	5.89	108	19.32	3410
JM400L-6	400	994	730	701	685	95.9	0.86	3843	2.08	2.48	6.38	108	21.86	3558
JM400L-6	450	994	819	783	766	95.9	0.86	4323	2.07	2.43	6.31	111	22.31	3841
JM400L-6V	500	994	908	871	851	96.1	0.86	4804	1.86	2.19	5.72	111	23.52	3866
JM400L-6V	560	994		958	935	96.1	0.86	5380	1.95	2.22	5.88	111	24.46	4140
JM450M-6	500	994	918	874	849	96.0	0.86	4785	1.61	2.34	5.99	108	49.30	3886
JM450M-6	560	994	1027	978	950	96.1	0.86	5355	1.64	2.32	5.89	108	54.10	4203
JM450L-6	630	994	1152	1097	1065	96.1	0.86	6025	1.65	2.3	5.99	108	60.60	4620
JM450L-6	710	994	1297	1235	1199	95.9	0.86	6790	1.71	2.33	6.13	111	67.90	5080
JM450L-6	800	995	1450	1381	1341	96.5	0.87	7680	1.52	2.06	5.47	111	67.90	5080

B3



B5



FRAME	A	AA	AB	AC	B1	B2	BB	C	D	DB	E	F	G	GD	H	HA	HD	K	L	AD	Eyebolt IPE	X	Y	Z	
	ø																	ø	max 2x ø						
JM400M/L-2	686	120	806	860	630	710	1090	280	85	M24	170	22	76	14	400	52	1080	36	1820	400	2xM36	100mm	430	485	225
JM400M/L-4/6	686	120	806	860	630	710	1090	280	110	M24	210	28	100	16	400	52	1080	36	1881	400	2xM36	100mm	430	485	225
JM450M/L-2	800	150	950	950	900	1000	1200	250	90	M24	170	25	81	14	450	62	1400	36	2050	480	2xM42	130mm	460	530	275
JM450M/L-4/6	800	150	950	950	900	1000	1200	250	130	M24	250	32	119	18	450	62	1400	36	2200	480	2xM42	130mm	460	530	275

2 pole · 3000T/M · 50 Hz

Type	Kw	TM	In	eff	cos	Tn	Ts	Tmax	Is	Inertia (J)	Brake full load moment	Brake max no load time	Brake power	Noise	Weight
			A	100%	100%	Nm	Tn	Tn	In	In	Nm	S	W	dB(A)	kg
JLEJ631-2	0.18	2800	0.5	66.0	0.80	0.61	2.2	2.3	5.5	0.00055	4.0	0.15	25	58	7.8
JLEJ632-2	0.25	2800	0.7	69.0	0.81	0.96	2.2	2.3	5.5	0.00060	4.0	0.15	25	58	8.1
JLEJ711-2	0.37	2800	1.0	71.0	0.81	1.26	2.2	2.3	6.1	0.00075	4.0	0.15	25	61	9.0
JLEJ712-2	0.55	2800	1.4	74.0	0.82	1.88	2.2	2.3	6.1	0.00090	4.0	0.15	25	61	9.5
JLEJ801-2	0.75	2825	1.8	76.0	0.83	2.54	2.2	2.3	6.1	0.00120	7.5	0.20	50	64	12.7
JLEJ802-2	1.1	2825	2.5	78.0	0.84	3.72	2.2	2.3	7.0	0.00140	7.5	0.20	50	64	13.5
JLEJ90S-2	1.5	2840	3.4	79.2	0.84	5.04	2.2	2.3	7.0	0.00290	15.0	0.25	60	69	16.3
JLEJ90L-2	2.2	2840	4.8	81.5	0.85	7.40	2.2	2.3	7.0	0.00550	15.0	0.25	60	69	18.0
JLEJ100L-2	3	2880	6.2	83.5	0.88	9.95	2.2	2.3	7.5	0.01090	30.0	0.30	80	73	27.0
JLEJ112M-2	4	2890	8.1	85.5	0.88	13.22	2.2	2.3	7.5	0.01260	40.0	0.35	110	74	37.0
JLEJ132S1-2	5.5	2900	10.8	86.5	0.89	18.11	2.2	2.3	7.5	0.03770	75.0	0.40	130	77	49.1
JLEJ132S2-2	7.5	2900	14.7	87.1	0.89	24.70	2.2	2.3	7.5	0.04990	75.0	0.40	130	77	54.5
JLEJ160M1-2	11	2930	20.9	88.7	0.90	35.85	2.2	2.3	7.5	0.05500	150.0	0.50	150	83	84.2
JLEJ160M2-2	15	2930	28.3	89.5	0.90	48.89	2.2	2.3	7.5	0.07500	150.0	0.50	150	83	93.0
JLEJ160L-2	18.5	2930	34.1	90.5	0.91	60.30	2.2	2.3	7.5	0.12400	150.0	0.50	150	83	103.5

4 pole · 1500T/M · 50 Hz

Type	Kw	TM	In	eff	cos	Tn	Ts	Tmax	Is	Inertia (J)	Brake full load moment	Brake max no load time	Brake power	Noise	Weight
			A	100%	100%	Nm	Tn	Tn	In	In	Nm	S	W	dB(A)	kg
JLEJ631-4	0.12	1360	0.4	59.0	0.72	0.84	2.2	2.2	4.4	0.00040	4.0	0.15	25	48	7.8
JLEJ632-4	0.18	1360	0.6	62.0	0.73	1.26	2.1	2.2	4.4	0.00055	4.0	0.15	25	48	8.1
JLEJ711-4	0.25	1380	0.8	67.3	0.74	1.73	2.1	2.2	5.2	0.00060	4.0	0.15	25	53	9.0
JLEJ712-4	0.37	1380	1.1	70.0	0.75	2.56	2.1	2.2	5.2	0.00075	4.0	0.15	25	53	9.5
JLEJ801-4	0.55	1400	1.5	71.8	0.75	3.75	2.3	2.3	5.2	0.00090	7.5	0.20	50	58	13.4
JLEJ802-4	0.75	1400	2.0	73.5	0.77	5.11	2.3	2.3	6.0	0.00120	7.5	0.20	50	58	14.8
JLEJ90S-4	1.1	1400	2.8	76.5	0.78	7.50	2.3	2.3	6.0	0.00140	15.0	0.25	60	59	16.5
JLEJ90L-4	1.5	1400	3.7	78.6	0.79	10.23	2.3	2.3	6.0	0.00290	15.0	0.25	60	59	18.3
JLEJ100L1-4	2.2	1420	5.0	82.0	0.82	14.80	2.3	2.3	7.0	0.00550	30.0	0.30	80	61	26.8
JLEJ100L2-4	3	1420	6.6	83.0	0.83	20.18	2.3	2.3	7.0	0.01090	30.0	0.30	80	61	29.5
JLEJ112M-4	4	1440	8.6	85.1	0.83	26.53	2.3	2.3	7.0	0.01260	40.0	0.35	110	62	37.5
JLEJ132S-4	5.5	1440	11.5	86.6	0.84	36.48	2.3	2.3	7.0	0.03770	75.0	0.40	130	69	51.5
JLEJ132M-4	7.5	1440	15.3	87.6	0.85	49.74	2.3	2.3	7.0	0.04990	75.0	0.40	130	69	57.5
JLEJ160M-4	11	1460	22.2	88.5	0.85	71.59	2.3	2.3	7.0	0.05500	150	0.50	150	72	87.5
JLEJ160L-4	15	1460	29.8	89.9	0.85	98.12	2.3	2.3	7.0	0.07500	150	0.50	150	73	100.6

In = Full Load Current · Is = Locked Rotor Current · Ts = Locked Rotor Torque · T-max = Maximum Torque · Tn = Full Load Torque

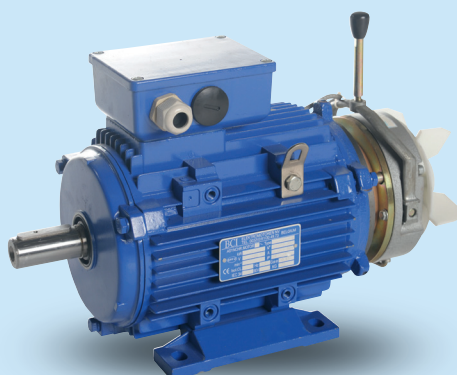
6 pole • 1000T/M • 50 Hz

Type	Kw	TM	In	eff	cos	Tn	Ts	Tmax	Is	Inertia (J)	Brake full load moment	Brake max no load time	Brake power	Noise	Weight
			A	100%	100%	Nm	Tn	Tn	In	In	Nm	S	W	dB(A)	kg
JLEJ801-6	0.37	900	1.3	63.0	0.70	3.93	1.9	2.0	4.7	0.00060	7.5	0.20	50	51	12.9
JLEJ802-6	0.55	900	1.8	66.0	0.72	5.84	1.9	2.1	4.7	0.00075	7.5	0.20	50	51	14.4
JLEJ90S-6	0.75	910	2.3	70.0	0.72	7.87	2.0	2.1	5.5	0.00090	15.0	0.25	60	54	16.6
JLEJ90L-6	1.1	910	3.1	73.3	0.73	11.54	2.0	2.1	5.5	0.00120	15.0	0.25	60	54	18.2
JLEJ100L-6	1.5	940	3.9	77.5	0.76	15.24	2.0	2.1	5.5	0.00140	30.0	0.30	80	58	29.0
JLEJ112M-6	2.2	940	5.5	80.0	0.76	22.35	2.1	2.1	6.5	0.00290	40.0	0.35	110	62	36.2
JLEJ132S-6	3	960	7.2	82.1	0.77	29.84	2.1	2.1	6.5	0.00550	75.0	0.40	130	66	50.2
JLEJ132ML-6	4	960	9.5	83.0	0.77	39.79	2.1	2.1	6.5	0.01090	75.0	0.40	130	66	53.0
JLEJ132M2-6	5.5	960	12.5	85.4	0.78	54.71	2.1	2.1	6.5	0.01260	75.0	0.40	150	66	57.2
JLEJ160M-6	7.5	970	16.8	87.0	0.78	73.84	2.1	2.1	6.5	0.03770	150.0	0.50	150	70	85.6
JLEJ160L-6	11	970	23.7	88.3	0.80	108.30	2.1	2.1	6.5	0.04990	150.0	0.50	150	70	90.0

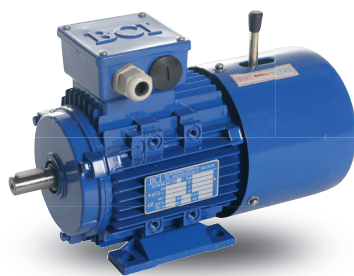
JLEJ 100 -160

8 pole • 750T/M • 50 Hz

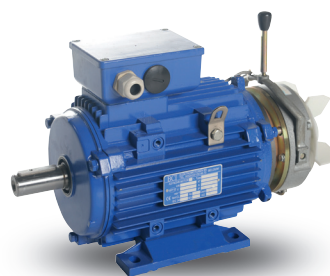
Type	Kw	TM	In	eff	cos	Tn	Ts	Tmax	Is	Inertia (J)	Brake full load moment	Brake max no load time	Brake power	Noise	Weight
			A	100%	100%	Nm	Tn	Tn	In	In	Nm	S	W	dB(A)	kg
JLEJ100L1-8	0.75	700	2.4	72.1	0.67	10.23	1.8	2.0	4.0	0.0009	30	0.30	80	56	29.0
JLEJ100L2-8	1.1	700	3.3	74.0	0.69	15.00	1.8	2.0	5.0	0.0012	30	0.30	80	56	31.1
JLEJ112M-8	1.5	700	4.3	76.0	0.69	20.46	1.8	2.0	5.0	0.0014	40	0.35	110	59	38.2
JLEJ132S-8	2.2	710	5.9	79.0	0.72	29.59	1.8	2.0	6.0	0.0029	75	0.40	130	61	50.3
JLEJ132M-8	3	710	7.7	79.9	0.74	40.35	1.8	2.0	6.0	0.0055	75	0.40	130	61	55.0
JLEJ160ML-8	4	720	10.0	82.0	0.74	53.06	1.9	2.0	6.0	0.0109	150	0.50	150	65	83.5
JLEJ160M2-8	5.5	720	13.3	84.0	0.75	72.59	2.0	2.0	6.0	0.0126	150	0.50	150	65	91.0
JLEJ160L-8	7.5	720	17.6	86.1	0.75	99.50	2.0	2.0	6.0	0.0377	150	0.50	150	65	100.2



JLEJ 100

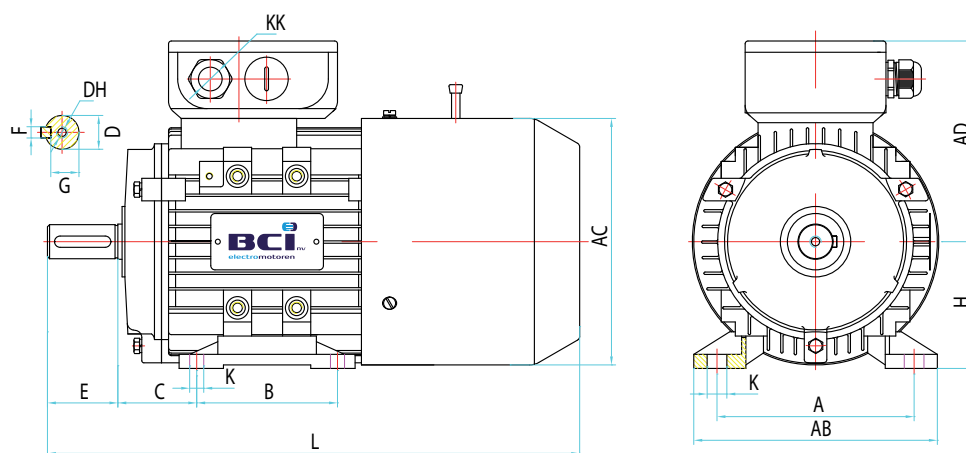


JLEJ 80

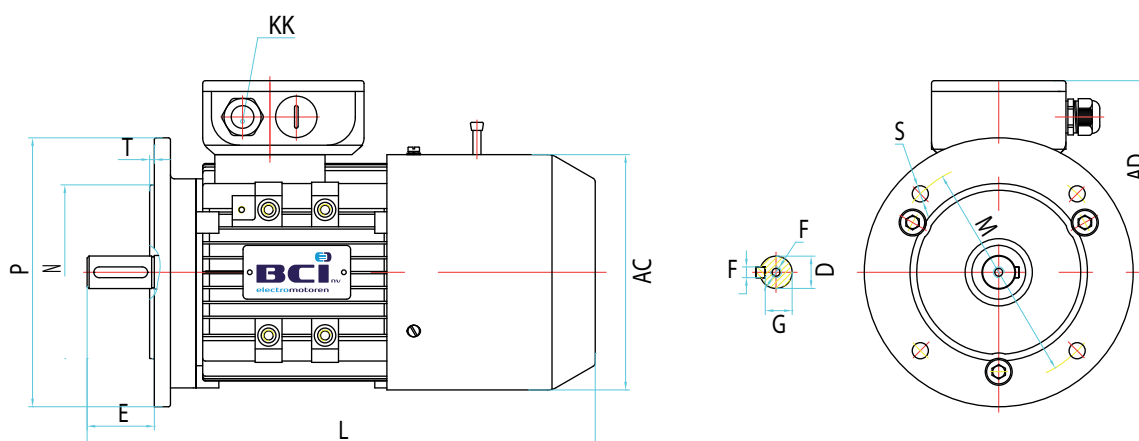


JLEJ 100

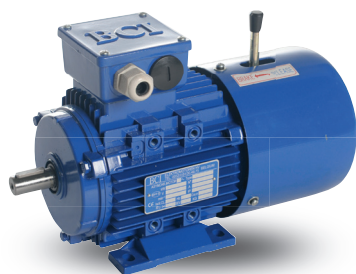
B3



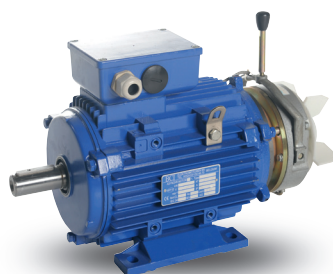
B5



FRAME	B3														B5					
	A	AB	AC	AD	B	C	D	DH	E	F	G	H	K	KK Metric	L	M	N	P	S	T
JLEJ63	100	135	130	111	80	40	11	M4X12	23	4	8.5	63	7	2-M20X1.5	240	115	95	140	10	3
JLEJ71	112	150	145	118	90	45	14	M5X12	30	5	11	71	7	2-M20X1.5	270	130	110	160	10	3.5
JLEJ80	125	165	175	134	100	50	19	M6X16	40	6	15.5	80	10	2-M25X1.5	375	165	130	200	12	3.5
JLEJ90S	140	180	195	140	100	56	24	M8X19	50	8	20	90	10	2-M25X1.5	400	165	130	200	12	3.5
JLEJ90L	140	180	195	140	125	56	24	M8X19	50	8	20	90	10	2-M25X1.5	426	165	130	200	12	3.5
JLEJ100L	160	205	215	160	140	63	28	M10X22	60	8	24	100	12	2-M32X1.5	465	215	180	250	15	4
JLEJ112M	190	230	240	178	140	70	28	M10X22	60	8	24	112	12	2-M32X1.5	495	215	180	250	15	4
JLEJ132S	216	270	275	206	140	89	38	M12X28	80	10	33	132	12	2-M32X1.5	570	265	230	300	15	4
JLEJ132M	216	270	275	206	178	89	38	M12X28	80	10	33	132	12	2-M32X1.5	610	265	230	300	15	4
JLEJ160M	254	320	330	255	210	108	42	M16X36	110	12	37	160	15	2-M40X1.5	715	300	250	350	19	5
JLEJ160L	254	320	330	255	254	108	42	M16X36	110	12	37	160	15	2-M40X1.5	760	300	250	350	19	5

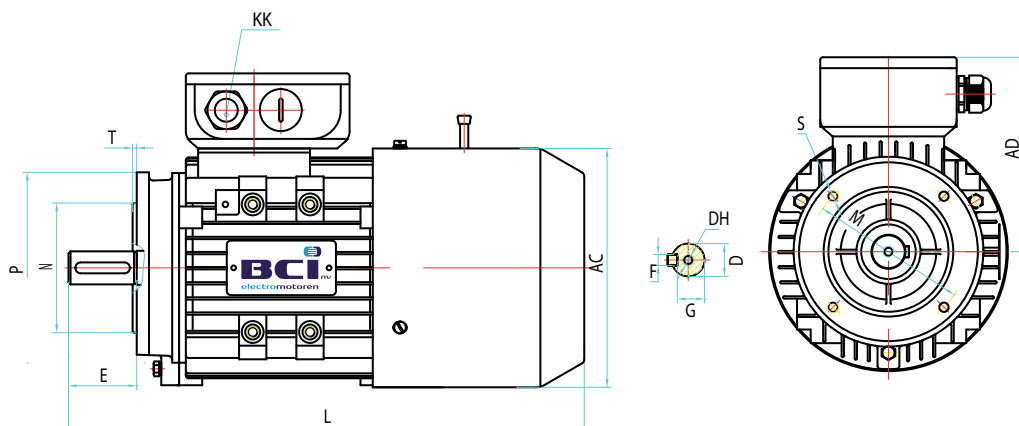


JLEJ 80

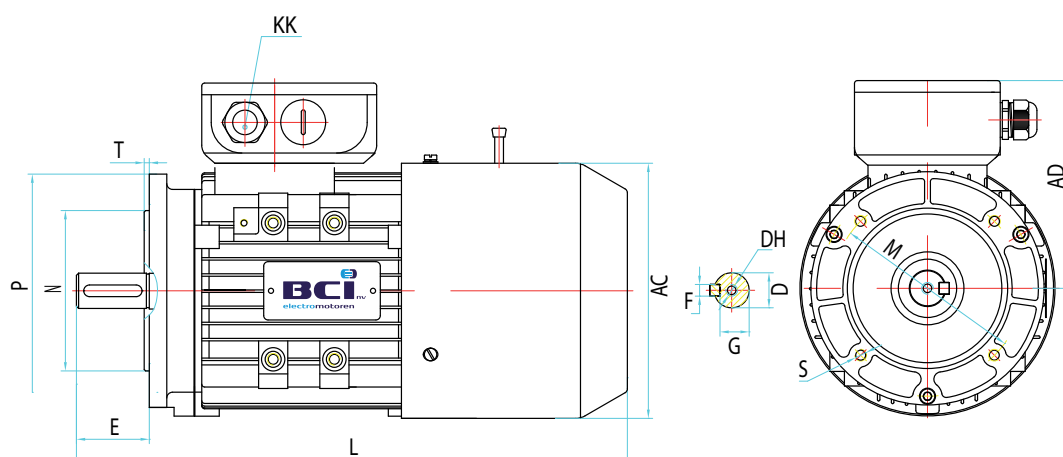


JLEJ 100

B14A



B14B



FRAME	B14A									B14B				
	AC	AD	D	DH	E	F	G	KK Metric	L	M	N	P	S	T
JLEJ63	130	111	11	M4X12	23	4	8.5	2-M20X1.5	240	75	60	90	M5	2.5
JLEJ71	145	118	14	M5X12	30	5	11	2-M20X1.5	270	85	70	105	M6	2.5
JLEJ80	175	134	19	M6X16	40	6	15.5	2-M25X1.5	375	100	80	120	M6	3
JLEJ90S	195	140	24	M8X19	50	8	20	2-M25X1.5	400	115	95	140	M8	3
JLEJ90L	195	140	24	M8X19	50	8	20	2-M25X1.5	426	115	95	140	M8	3
JLEJ100L	215	160	28	M10X22	60	8	24	2-M32X1.5	465	130	110	160	M8	3.5
JLEJ112M	240	178	28	M10X22	60	8	24	2-M32X1.5	495	130	110	160	M8	3.5
JLEJ132S	275	206	38	M12X28	80	10	33	2-M32X1.5	570	165	130	200	M10	3.5
JLEJ132M	275	206	38	M12X28	80	10	33	2-M32X1.5	610	165	130	200	M10	3.5
JLEJ160M	330	255	42	M16X36	110	12	37	2-M40X1.5	715	215	180	250	M12	4
JLEJ160L	330	255	42	M16X36	110	12	37	2-M40X1.5	760	215	180	250	M12	4

2/4 pole · 3000/1500TM · 400V · 50HZ

constant torque - dahlander winding - connection YY/Δ

TYPE	kW	Volts	Hz	Amps	Cos φ	EFF%	RPM	CONN.	DUTY	INS.CL.	IP
801-2/4	0.55/0.45	400	50	1.63/1.18	0.74/0.85	66/65	2860/1420	2Y/Δ	S1	F	55
802-2/4	0.75/0.55	400	50	1.93/1.58	0.85/0.74	66/68	2860/1420	2Y/Δ	S1	F	55
90L-2/4	1.8/1.3	400	50	4.17/3.21	0.83/0.77	75/76	2840/1420	2Y/Δ	S1	F	55
90S-2/4	1.1/0.85	400	50	2.41/2.1	0.89/0.8	74/73	2820/1400	2Y/Δ	S1	F	55
100L2-2/4	3/2.4	400	50	5.95/5.22	0.91/0.84	80/79	2840/1420	2Y/Δ	S1	F	55
100L1-2/4	2.4/2	400	50	5.3/4.57	0.86/0.81	76/78	2850/1400	2Y/Δ	S1	F	55
112M-2/4	4/3.3	400	50	7.92/7	0.9/0.84	81/81	2880/1440	2Y/Δ	S1	F	55
132M-2/4	8/6.5	400	50	15.6/13.1	0.9/0.85	82/84	2870/1450	2Y/Δ	S1	F	55
160L-2/4	15/11	400	50	26.2/23	0.92/0.79	89.82/87.3	2920/1446	2Y/Δ	S1	F	55
160M-2/4	11/9	400	50	21.8/17.6	0.89/0.85	82/87	2920/1460	2Y/Δ	S1	F	55

variable torque - dahlander winding - connection YY/Y

TYPE	kW	Volts	Hz	Amps	Cos φ	EFF%	RPM	CONN.	DUTY	INS.CL.	IP
80-2/4	0.75/0.17	400	50	1.86/0.8	0.81/0.5	72/61	2860/1420	2Y/Y	S1	F	55
80-2/4	0.95/0.25	400	50	2.32/0.9	0.8/0.61	74/66	2870/1410	2Y/Y	S1	F	55
90S-2/4	1.4/0.3	400	50	3.08/1.1	0.82/0.57	80/69	2880/1430	2Y/Y	S1	F	55
90L-2/4	1.9/0.4	400	50	4.18/1.47	0.82/0.57	80/69	2885/1435	2Y/Y	S1	F	55
100L1-2/4	2.5/0.65	400	50	5.01/1.94	0.89/0.7	81/69	2875/1425	2Y/Y	S1	F	55
100L2-2/4	3.1/0.8	400	50	6.06/2.26	0.89/0.7	83/73	2880/1430	2Y/Y	S1	F	55
112M-2/4	4.4/1.1	400	50	8.69/3.03	0.87/0.69	84/76	2915/1445	2Y/Y	S1	F	55
132S-2/4	5.9/1.4	400	50	11.4/3.55	0.9/0.74	83/77	2920/1460	2Y/Y	S1	F	55
132M-2/4	8/2	400	50	14.9/4.68	0.91/0.78	85/79	2920/1455	2Y/Y	S1	F	55
160M-2/4	12.5/2.8	400	50	23.6/6.74	0.9/0.75	85/80	2930/1465	2Y/Y	S1	F	55
160L-2/4	16.5/3.8	400	50	30.1/8.8	0.91/0.76	87/82	2935/1465	2Y/Y	S1	F	55
180M-2/4	20/5.5	400	50	37.3/13.1	0.89/0.74	87/82	2940/1465	2Y/Y	S1	F	55
180L-2/4	24/6.4	400	50	44.2/15.6	0.89/0.72	88/82	2945/1465	2Y/Y	S1	F	55

4/6 pole · 1500/1000TM · 400V · 50HZ

independent winding - connection Y/Y

TYPE	kW	Volts	Hz	Amps	Cos φ	EFF%	RPM	CONN.	DUTY	INS.CL.	IP
90S-4/6	1.1/0.32	400	50	2.62/1.28	0.82/0.58	74/62	1405/950	Y/Y	S1	F	55
90L-4/6	1.1/0.5	400	50	2.72/1.58	0.79/0.67	74/68	1420/940	Y/Y	S1	F	55
90L-4/6	1.4/0.45	400	50	3.33/1.41	0.81/0.66	75/70	1400/885	Y/Y	S1	F	55
100L2-4/6	2.2/0.75	400	50	4.96/2.54	0.82/0.7	78/61	1430/940	Y/Y	S1	F	55
100L1-4/6	2.2/0.7	400	50	5.02/2.1	0.79/0.66	80/73	1420/910	Y/Y	S1	F	55
100L2-4/6	2.2/1.5	400	50	5.43/4.55	0.78/0.68	75/70	1435/940	Y/Y	S1	F	55
100L2-4/6	2.5/0.9	400	50	5.71/2.62	0.78/0.67	81/74	1420/910	Y/Y	S1	F	55
112M-4/6	2.2/1.5	400	50	4.79/3.75	0.85/0.75	78/77	1430/950	Y/Y	S1	F	55
112M-4/6	3.2/1.1	400	50	6.87/2.99	0.82/0.68	82/78	1440/960	Y/Y	S1	F	55
132S-4/6	4.7/1.5	400	50	10.1/4.63	0.83/0.64	81/73	1450/970	Y/Y	S1	F	55
132M-4/6	6.7/2.2	400	50	13.4/5.54	0.85/0.69	85/83	1440/970	Y/Y	S1	F	55

132M-4/6	4/3	400	50	8.09/7.98	0.84/0.67	85/81	1460/970	Y/Y	S1	F	55
160L-4/6	12/4	400	50	23.4/10.1	0.84/0.69	88/83	1460/970	Y/Y	S1	F	55
160M-4/6	9.5/3.1	400	50	19.7/7.46	0.82/0.75	85/80	1450/970	Y/Y	S1	F	55
180L-4/6	18.5/6.2	400	50	36.1/14.9	0.85/0.74	87/81	1470/980	Y/Y	S1	F	55
180M-4/6	15.5/5.1	400	50	28.6/13.4	0.89/0.68	88/81	1465/985	Y/Y	S1	F	55
200L-4/6	26/8.7	400	50	46.9/19.4	0.9/0.79	89/82	1465/985	Y/Y	S1	F	55
225S-4/6	33/11	400	50	62.2/22.5	0.86/0.84	89/84	1460/980	Y/Y	S1	F	55
225M-4/6	39/13	400	50	72.7/26	0.86/0.85	90/85	1460/980	Y/Y	S1	F	55
250M-4/6	47/16	400	50	84.7/31.2	0.89/0.87	90/85	1480/990	Y/Y	S1	F	55
280S-4/6	55/18.5	400	50	100/36.5	0.88/0.86	90/85	1480/990	Y/Y	S1	F	55

4/8 pole · 1500/750TM · 400V · 50HZ

constant torque - dahlander winding - connection YY/ Δ

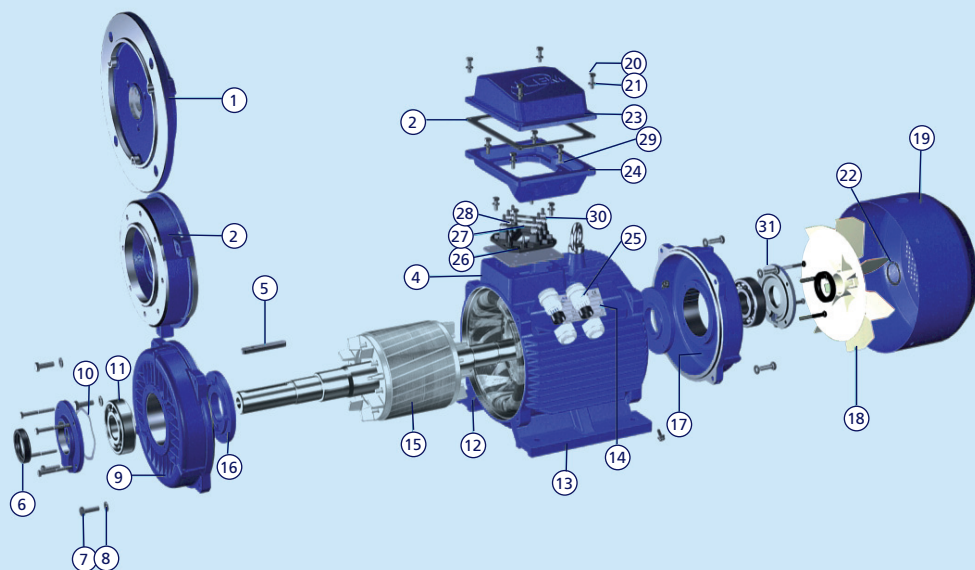
TYPE	kW	Volts	Hz	Amps	Cos φ	EFF%	RPM	CONN.	DUTY	INS.CL.	IP
90L-4/8	0.75/0.45	400	50	1.73/1.84	0.87/0.61	72/58	1385/675	2Y/Δ	S1	F	55
100L-4/8	1.5/0.85	400	50	3.19/2.98	0.87/0.58	78/71	1420/710	2Y/Δ	S1	F	55
112M-4/8	2.4/1.5	400	50	5.05/4.77	0.88/0.63	78/72	1410/700	2Y/Δ	S1	F	55
132S-4/8	3.3/2.2	400	50	7.94/6.89	0.75/0.64	80/72	1460/730	2Y/Δ	S1	F	55
132M-4/8	4.5/3	400	50	8.9/8.54	0.89/0.65	82/78	1440/720	2Y/Δ	S1	F	55
160L-4/8	11/7	400	50	20.3/16.9	0.91/0.71	86/84	1425/720	2Y/Δ	S1	F	55
160M-4/8	7.5/5.5	400	50	14.3/14.3	0.87/0.66	87/84	1455/730	2Y/Δ	S1	F	55
180L-4/8	17/11	400	50	30.6/25.3	0.91/0.72	88/87	1470/730	2Y/Δ	S1	F	55
200L1-4/8	22/14	400	50	39.2/31.8	0.92/0.74	88/86	1470/730	2Y/Δ	S1	F	55
200L2-4/8	26/17	400	50	46.9/40.9	0.9/0.69	89/87	1460/730	2Y/Δ	S1	F	55
225M-4/8	34/24	400	50	63.4/50.5	0.88/0.77	88/89	1480/730	2Y/Δ	S1	F	55
250M-4/8	42/30	400	50	74/63.1	0.91/0.78	90/88	1470/730	2Y/Δ	S1	F	55
280S-4/8	55/40	400	50	96.9/79.3	0.91/0.8	90/91	1480/730	2Y/Δ	S1	F	55
280M-4/8	67/47	400	50	117/92	0.92/0.81	90/91	1480/740	2Y/Δ	S1	F	55

variable torque - dahlander winding - connection YY/ Y

TYPE	kW	Volts	Hz	Amps	Cos φ	EFF%	RPM	CONN.	DUTY	INS.CL.	IP
90S-4/8	1/0.22	400	50	2.35/0.88	0.82/0.6	75/60	1400/680	2Y/Y	S1	F	55
90L-4/8	1.3/0.3	400	50	2.97/1.13	0.83/0.62	76/62	1400/680	2Y/Y	S1	F	55
100L1-4/8	2/0.55	400	50	4.51/2	0.8/0.61	80/65	1445/700	2Y/Y	S1	F	55
100L2-4/8	2.4/0.65	400	50	4.97/2.68	0.84/0.53	83/66	1430/710	2Y/Y	S1	F	55
112M-4/8	3.2/0.9	400	50	7.14/3.18	0.77/0.56	84/73	1450/710	2Y/Y	S1	F	55
132S-4/8	4.5/1.1	400	50	9.32/3.57	0.81/0.57	86/78	1460/730	2Y/Y	S1	F	55
132M-4/8	6.3/1.5	400	50	12.6/4.61	0.83/0.58	87/81	1460/730	2Y/Y	S1	F	55
160M-4/8	8.9/2	400	50	17.8/5.25	0.85/0.67	85/82	1445/720	2Y/Y	S1	F	55
160L-4/8	12/2.7	400	50	24/7.09	0.85/0.67	85/82	1445/720	2Y/Y	S1	F	55
180M-4/8	16/4	400	50	30.9/10.6	0.85/0.65	88/84	1470/730	2Y/Y	S1	F	55
180L-4/8	19.5/5	400	50	37.2/12.9	0.85/0.66	89/85	1470/720	2Y/Y	S1	F	55
200L-4/8	29/7.5	400	50	54.7/18.9	0.85/0.66	90/87	1480/730	2Y/Y	S1	F	55
225M-4/8	40/9.5	400	50	72.1/24.3	0.88/0.64	91/88	1480/720	2Y/Y	S1	F	55
250M-4/8	52/14.5	400	50	95.9/38.5	0.86/0.64	91/85	1485/740	2Y/Y	S1	F	55
280S-4/8	65/17	400	50	119/40.5	0.87/0.68	91/89	1490/740	2Y/Y	S1	F	55
280M-4/8	75/18.5	400	50	137/44.1	0.87/0.68	91/89	1490/740	2Y/Y	S1	F	55

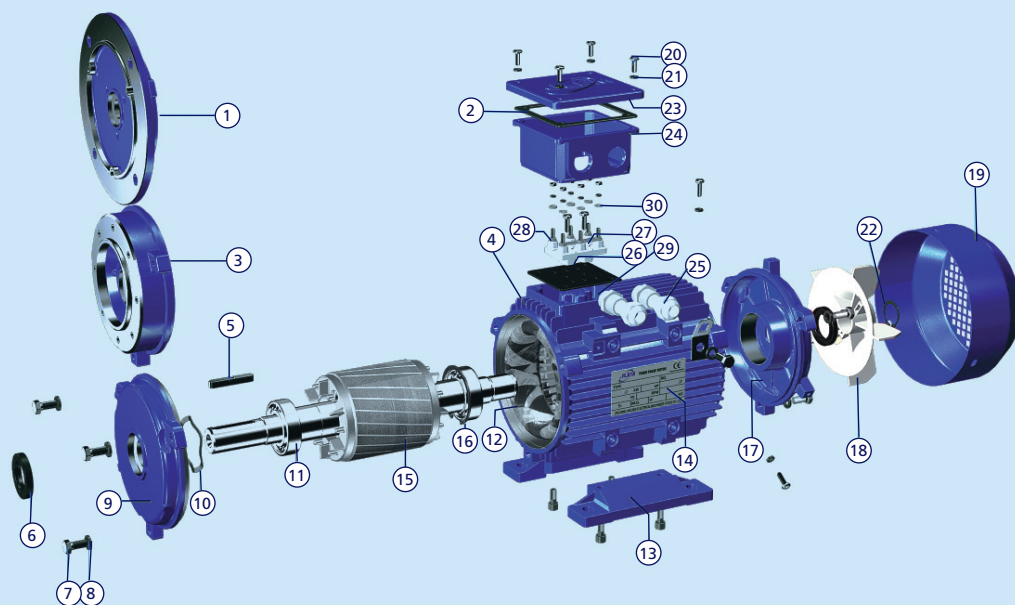
Exploded view

JM serie



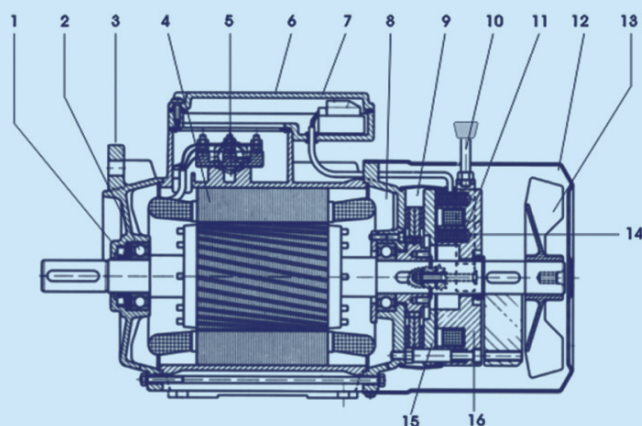
1. B5 Flange
2. Gasket
3. B14 Flange
4. Frame
5. Key
6. (V Ring) Oil Seal
7. Bolt
8. Spring Washer
9. Front endshield
10. Wave washer
11. Bearing
12. Stator
13. Feet
14. Nameplate
15. Rotor
16. Circlip
17. Rear endshield
18. Fan
19. Fan cowl
20. Screw
21. Washer
22. Fan Clamp
23. Terminal box lid
24. Terminal box base
25. Cable gland
26. Terminal board
27. Brass lug
28. Brass net
29. Earth mark
30. Brush washer

JL serie



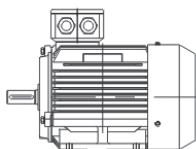
1. B5 Flange
2. Gasket
3. B14 Flange
4. Frame
5. Key
6. (V Ring) Oil Seal
7. Bolt
8. Spring Washer
9. Front endshield
10. Wave washer
11. Bearing
12. Stator
13. Feet
14. Nameplate
15. Rotor
16. Inner bearing cap
17. Rear endshield
18. Fan
19. Fan cowl
20. Screw
21. Washer
22. Fan Clamp
23. Terminal box lid
24. Terminal box base
25. Cable gland
26. Terminal board
27. Brass lug
28. Brass net
29. Earth mark
30. Brush washer
31. Outer bearing cap

JLEJ serie

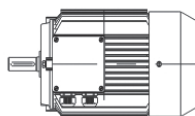


1. Oilseal
2. Bearing
3. Frontendshield
4. Stator
5. Terminal board
6. Terminal box
7. Rectifier
8. Backendshield
9. Brake disk
10. Manual release level
11. Spring
12. Fan cover
13. Fan
14. Adjusting screw
15. Electromagnet
16. Armature

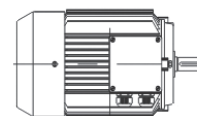
IM B3
IM 1001
63-450



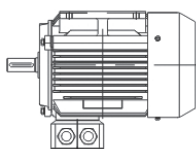
IM B6
IM 1051
63-160



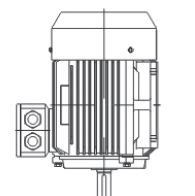
IM B7
IM 1061
63-160



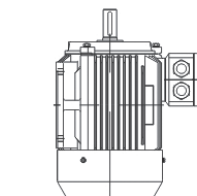
IM B8
IM 1071
63-160



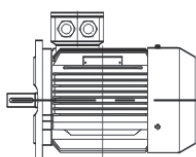
IM V5
IM 1011
63-160



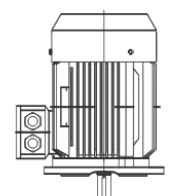
IM V6
IM 1031
63-160



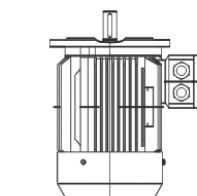
IM B5
IM 3001
63-450



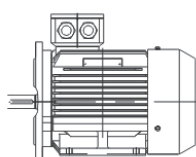
IM V1
IM 3011
63-450



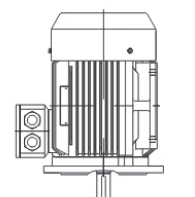
IM V3
IM 3031
63-160



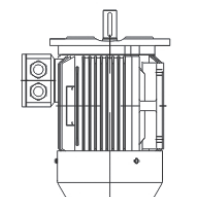
IM B35
IM 2001
63-450



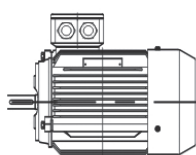
IM V15
IM 2011
63-160



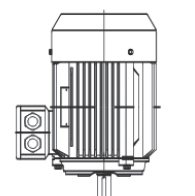
IM V35
IM 2031
63-160



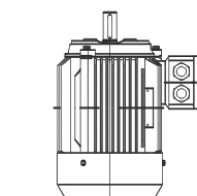
IM B14
IM 3601
63-132



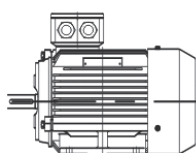
IM V18
IM 3611
63-132



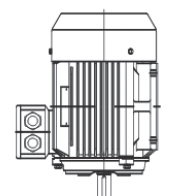
IM V19
IM 3631
63-132



IM B34
IM 2101
63-132



IM V17
IM 2111
63-132



IM V37
IM 2131
63-132

