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TECO

三相异步电动机

SERIES THREE PHASE INDUCTION MOTORS

东元N系列标准电机

TecdN Series Standard Motor
IEC-60034-30-1 201 4/1E2
GB18613-2012/GB3

东元N系列高效率电机

TecoN Series High Efficiency Motor
IEC-60034-30-1 2014/IE3
GB18613-2012/GB2



http://www.tecochina.net

东元集团简介

东元电机创立于1956年,以制造马达起家,至今东元集团已跨入重电、家电、信息、通讯、电子关键零组件、基础工程建设、金融投资及餐饮等多面向的发展领域,更积极参与国家重大工程建设,目前事业版图横跨全球5大洲、近50国。未来,东元将持续深耕核心事业,朝向智能化产品、提供系统解决方案等高附加价值方向积极发展,并致力于高科技事业之拓展,以「节能、减排、智能、自动」为目标,建构一个宏观、高质量的国际级品牌。

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所列产品内容仅供您参考,如有变更将不另行通知。

All data presented is for reference only and subject to change without notice



东元历史

- 1956年 东元电机股份有限公司成立于台湾三重市。
- 1965年 新庄厂设置为台湾第一座自动化电机生产工厂。
- 1966年 工具工厂成立(现为生产技术处)。
- 1973年 淡水厂启用,生产冷气机、电视机、电冰箱等家电产品。
- 1979年 中坜一厂建厂完成,导入最新自动化设备生产电机。
- 1983年 观音厂启用,生产电视机、高级电子产品及电脑周边设备。
- 1987年 中坜二厂建厂完成,与西屋合作生产超大型电机。
- 1991年 观音冷气厂建厂完成,导入全新自动化生产家电产品。
- 1991年 马来西亚厂建厂完成。
- 1994年 观音压缩机厂建厂完成。
- 1995年 并购美国西屋(WESTINGHOUSE)电机厂。
- 2002年 无锡东元电机建厂。
- 2003年 无锡东元正式投产。
- 2004年 无锡东元金一厂建厂。
- 2004年 江西东元电机建厂。
- 2012年 成立上海东元德高电机有限公司,作为东元集团在中国唯一的销售服务中心。
- 2016年 无锡东元精密机械建厂



三相异步电动机

SERIES THREE PHASE INDUCTION MOTORS



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技术数据

种类: 三相异步电动机
设计依据: 国际电工委员会 IEC60034; 中国国家标准 GB755
额定电压: 380V 或其它电压
额定频率: 50HZ 或 60HZ
输出功率: 0.55~400kW
工作制: 连续工作制
机座号: 80~355C
防护等级: IP55
冷却方式: IC411
绝缘等级: F 级绝缘
温升: S.F.1.0(50Hz) 时采用电阻法考核定子绕组温升不超过 80℃

安装方式: IMB3(水平脚座安装); IMB35(水平脚座安装带大法兰); IMB5(水平法兰安装); IMV1(立式轴向下)及其它电动机参数和安装尺寸参照附表。

●能效等级符合中国国家标准 GB18613-2012 能效。频率 50Hz 以外不在国家能效认证范围, 特性与 IE 特性有所差异, 本表以 GB 特性为准

适用条件

电源条件: 电压波动率±10%以内, 频率波动率±5%以内, 电压及频率综合波动率10%以内, 但频率波动率不超过±5%。

使用场所: 室内、无危险气体环境

环境温度: -15~40℃

环境湿度: 相对湿度 90% 以下(但不能凝结)

海拔高度: 海拔 1000m 以下

传动方式: 皮带轮传动, 但是2P 45 kW 及以上, 4、6 & 8P F# 280 及以上使用联轴器。

旋转方向: 可双向旋转, 当电源相序与电动机出线端标志字母一致时, 面向轴伸端看为顺时针方向旋转。

起动方式: 全压直接起动或Y-Δ起动

涂装: GB3 灰色 Munsell 7.5B 3.5/0.5
GB2 蓝色 Munsell 5PB 3/8

要求: 安装联轴器或皮带轮请利用轴端攻牙压进迫入, 禁止以外力敲击轴装安装, 如有特殊需要请另行洽询。

TECHNICAL DATA

Class: Three phase induction motors
Design standard: IEC60034 GB 755
Rated voltage: 380V or other voltage
Rated frequency: 50Hz or 60Hz
Output range: 0.55~400kW
Time duty: Continuous S1(S.F 1.0)
Frame Nos: 80~355C
Protection enclosure: Totally enclosed(IP55)
Cooling method: Self external fan, Surface cooling(IC411)
Stator insulation: Class F insulation system
Temperature rise: Not to Exceed 80 °C Rise by Resistance Method at S.F 1.0(50Hz)

Mounting: IMB3, IMB35, IMB5, IMV1 or others For typical performance and dimensions of series motor refer to table hereunder.

● GB 18613-2012, Frame frequency beyond 50Hz is not the part of GB. If GB charater does not correspond to IE, GB charater governs.

APPLICATION

Power source conditions: Voltage: ±10%, Frequency: ±5%, and 10% Max. of Combined Voltage and Frequency. But Frequency Variation Does Not Exceed ±5%.

Place: In door, Non-hazardous

Ambient temperature: -15~40℃

Relative humidity: Less than 90%RH(Non-condensation)

Altitude: Less than 1,000 meters

Drive method: Belt Service, However, 2 Pole 45 kW and Up, 4、6 & 8 Pole F# 280 and Above Coupling Service is the Way.

Direction of rotation: CW According to IEC Definition, Suitable For Bi-Directional Operation.

Method of starting: Full voltage direct on line or Y-Δ starting

paninting: GB3 Blue Munsell 7.5B 3.5/0.5
GB2 Purple-Munsell 5PB 3/8

Requirement: Basically, the coupling and belt should be h ated and pushed onto the shaft extention with slight axial force, Do not hammer to prevent bearing damage. if need special requirement, further disscussion will be demanded

Drive method: Belt, direct coupling, gear and so on

电机特点

IP55防护结构,防尘,防水花及油沫,铸铁框架,结构强壮,符合国际标准,安全更具保障性

采用东元F级绝缘,耐热度高,抗电冲击强,绝缘寿命长,在恶劣环境下也能胜任

使用著名品牌之轴承,著名钢厂之硅钢片,性能更具保障

规范化的设计、优质的材料、先进的加工设备和完善的质量保证体系,这些表现在效率高振动小、噪声低、安全可靠

选用:依据客户需要可搭配热保护器, PTC,空间加热器, RTD,PT100及其它

CHARACTER

The protection enclosure is IP55,protect dust,drip and oil,Cast iron Frame strong configuration,which is accord to international standards and safety safeguarded further.

The stator insulation is class F of TECO insulation system with good heatproof quality, strong resistance to electrical sparks,long insulation life and can be competent in the bad environment.

These ranges use bearing famous brand company and the silicon steel sheet are come from famous national steel company.

Standardized design, high quality material, advanced processing equipment and consummation quality guarantee system,it is embody in the high efficiency,low vibrate and reliable safety. the thermistor,PTC,Heater,RTD,PT100 or others can be provided according to the needs of purchaser.

振动 Vibration

所有电动机转子都使用半键按照A级(标准)振动等级进行动态平衡。电动机在空载时测得振动速度有效值不超过下表中的A级所列值。

Rotors are dynamically balanced to severity grade A using a half key.Table below contains the effective vibration values for unloaded motors.

振动等级 Vibration grade	轴高 Shaft height/mm	80<H<132	132<H<280	H>280
A	安装方式 Mounting	速度 毫米/秒 Velocity mm/s	速度 毫米/秒 Velocity mm/s	速度 毫米/秒 Velocity mm/s
	自由悬置 Free suspension	1.6	2.2	2.8
	刚性安装 Rigid mounting	1.3	1.8	2.3

最高转速 Max. rpm

鼠笼型感应电动机的安全运行转速

除非铭牌上另行标明,否则电压为1000V及以下、机座号355及以下的所有单速三相笼型感应电动机应在表列出的转速之内安全连续运行

电压1000V及以下三相笼型感应电动机最大安全运行转速

Safe running speed for the squirrel-cage induction motors.

Unless otherwise the name plate specifies, all the squirrel-cage, 3 phase, induction motors lower than 1000V and smaller than 355 Frame Size can safely run continuously at the speed in the table below.

The safe Max. rpm for the squirrel-cage, 3 phase induction motors of 1000V or lower.

单位为转/每分钟 rpm/min

机座号 Frame Size	2极 2Pole	4极 4Pole	6极 6Pole	8极 8Pole
80	5200	3600	2400	1800
90	5200	3600	2400	1800
100	5200	3600	2400	1800
112	5200	3600	2400	1800
132	4500	2700	2400	1800
160	4500	2700	2400	1800
180	4500	2700	2400	1800
200	4500	2300	1800	1350
225	3600	2300	1800	1350
250	3600	2300	1800	1350
280	3600	2300	1800	1350
315	3600	2300	1800	1350
355	3600	2300	1800	1350

注:当电动机高于额定转速以上运行时,例如,当应用调速控制时,其噪声和振动强度将会增大。要求电动机做精细的校平以满足在额定转速以上的加速能力。此外,轴承寿命可能会降低。应关注加油的间隔时间补充润滑脂及其寿命。
——仅供参考

Note: When the motors run above the rated speed, for example, using in speed controller, the noise and vibration will increase. In this situation, the motors are required to be corrected to satisfy the acceleration ability above the rated speed. Besides, the bearing lifetime will decrease. Pay attention to the time for adding the oil and grease to insure its lifetime.

油脂寿命 Grease life (Horizontal installation)

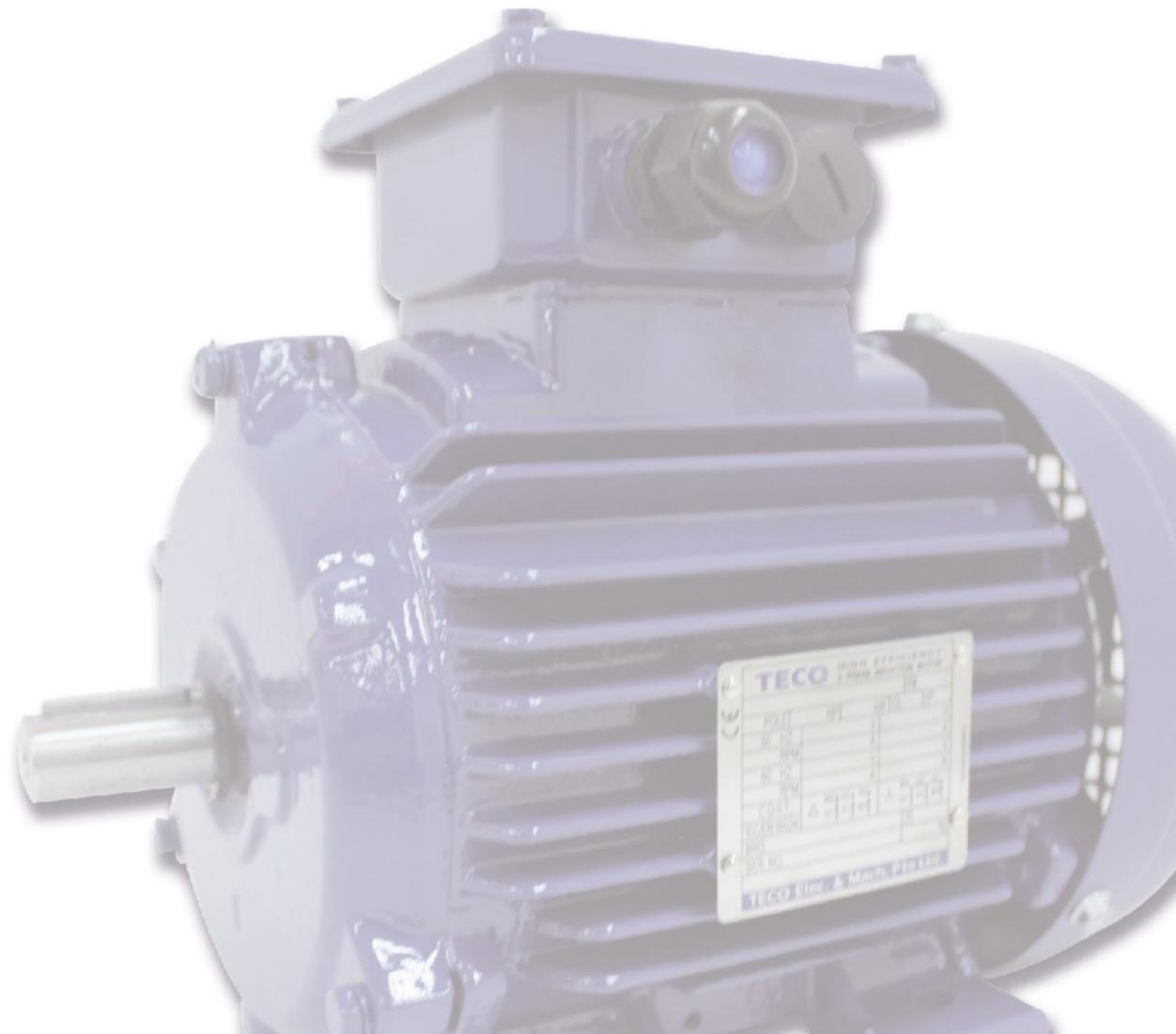
机座号 Frame size	极数 Poles	润滑脂寿命 Grease lifetime up to CT 40°C
免加油润滑型轴承的润滑脂 Grease for permanent lubrication bearing		
80-225	2,4,6,8	20000小时(h)(B3安装)
可再润滑型轴承的润滑脂 Grease for regreasable bearing		
250~280	2	3000小时(h)
250~280	4,6,8	8000小时(h)
315~355	2	2000小时(h)
315~355	4,6,8	4000小时(h)

注:

1. 当环境温度每升高10°C,润滑脂寿命以及再润滑时间缩短一半。
2. 20000小时适用于由机水平安装联轴器传动。

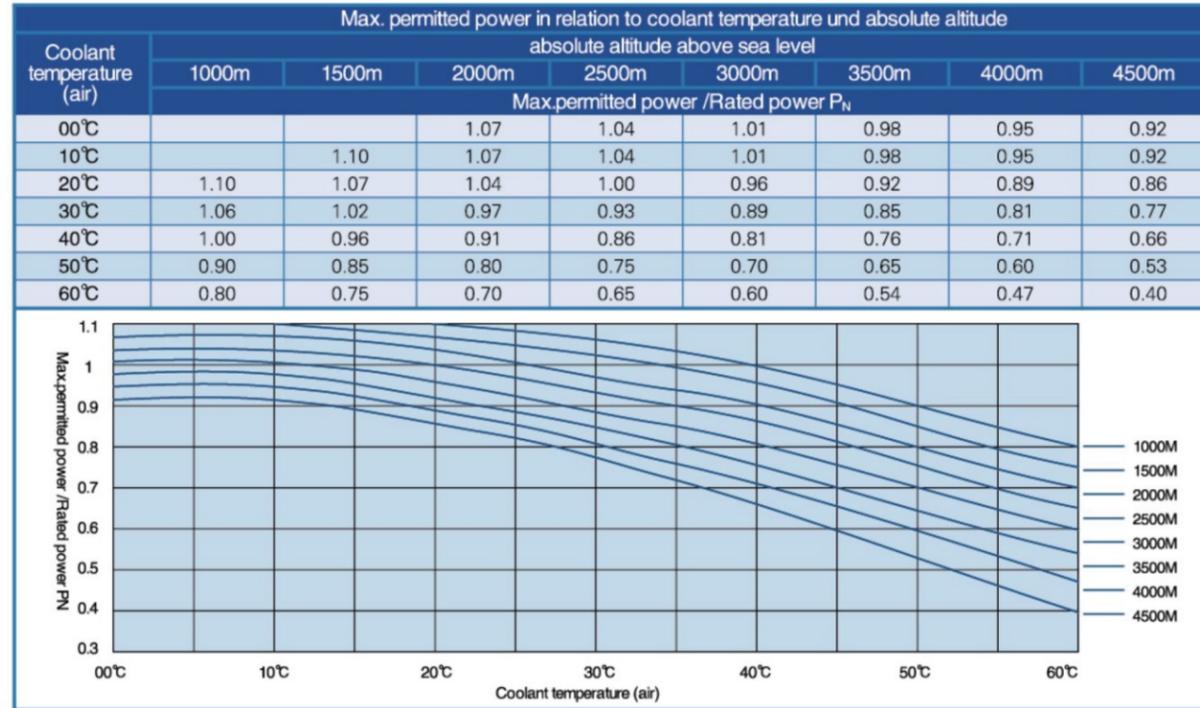
Note:

1. If the coolant temperature is increased by 10K, the grease lifetime and regreasing interval are halved.
2. 20000 h apply to horizontally installed motors with coupling transmission.



海拔 Site altitude above sea level

1. 电机对于环境温度及海拔高度的功率输出变化 The changes of the output of the motors for the environmental temperature and elevation.
2. 可使用功率 = 额定功率 X 系数 % Available power = rated power X coefficient

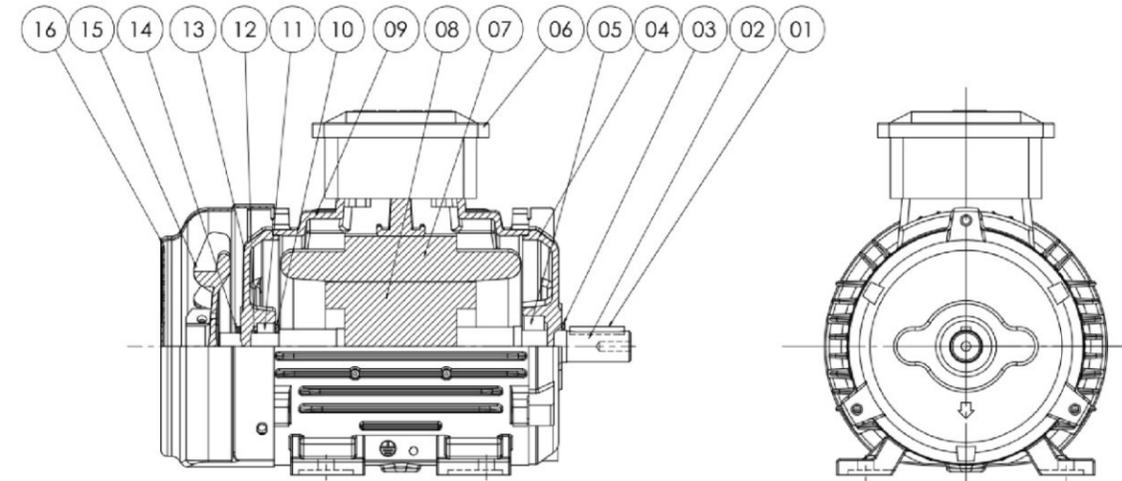


备注：高海拔地带，因空气稀薄，散热效果差，为防止马达过热烧毁，故须降低温升，保证马达能正常运转。
 Note: In high altitude areas, due to the thin air, the effect of cooling is bad. The temperature rise must be decreased to prevent the motors from destroyed over temp to ensure the motors to run safely.

安装方式 (IM)

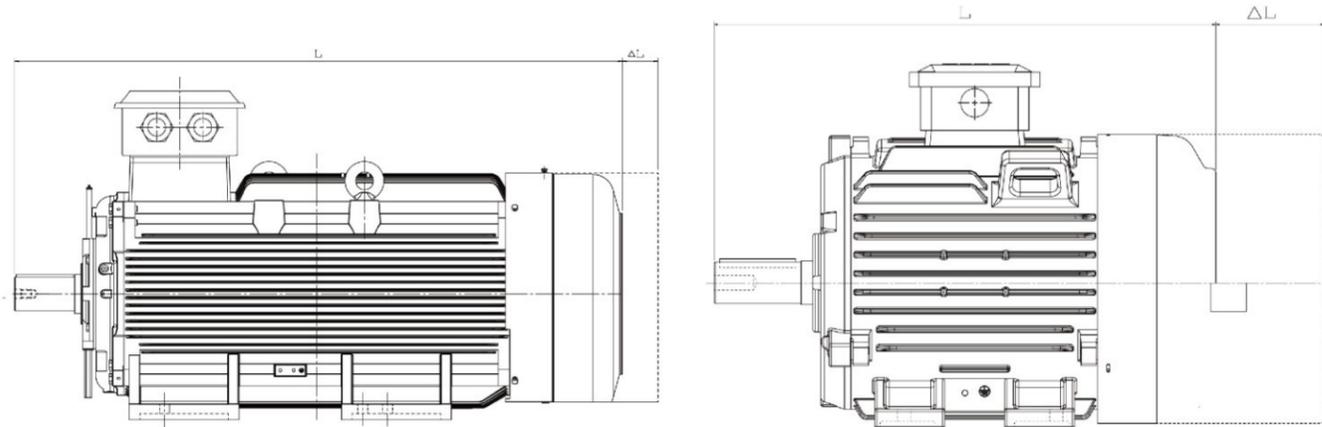
横型脚安装		竖型凸缘安装		坐卧两用型安装	
IM 1001(IM B3) 水平轴 脚贴地		IM 3001(IM B5) 水平轴 D Flange		IM 2001(IM B35) 水平轴 脚贴地 D Flange	
IM 1051(IM B6) 水平轴 轴看脚贴左侧墙壁		IM 3011(IM V1) 垂直轴 轴端向下 D Flange		IM 2011(IM V15) 垂直轴 轴端向下脚贴墙壁 D Flange	
IM 1061(IM B7) 水平轴 轴看脚贴右侧墙壁		IM 3031(IM V3) 垂直轴 轴端向上 D Flange		IM 2031(IM V36) 垂直轴 轴端向上脚贴墙壁 D Flange	
IM 1071(IM B8) 水平轴 脚贴天花板		IM 3601(IM B14) 水平轴 C Flange		IM 2101(IM B34) 水平轴 脚贴地 C Flange	
IM 1011(IM V5) 垂直轴 轴端向下脚贴墙壁		IM 3611(IM V18) 垂直轴 轴端向下 C Flange		IM 2111(IM V17) 垂直轴 轴端向下脚贴墙壁 C Flange	
IM 1031(IM V6) 垂直轴 轴端向上脚贴墙壁		IM 3631(IM V19) 垂直轴 轴端向上 C Flange		IM 2131 (IM V37) 垂直轴 轴端向上脚贴墙壁 C Flange	

剖面图 Profile



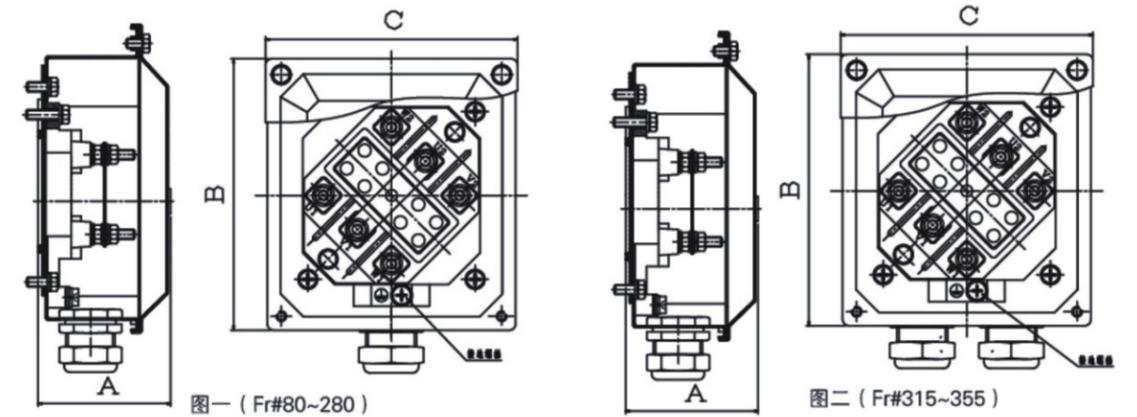
项目 ITEM	名称 NAME	项目 ITEM	名称 NAME
1	KEY (键)	9	FRAME (框架)
2	SHAFT (轴)	10	STOP RING-BEARING
3	V-Ring	11	BEARING (轴承)
4	BRACKET (盖)	12	PRE-LOAD SPRING
5	BEARING (轴承)	13	END BRACKET (端盖)
6	TERMINAL BOX (接线盒)	14	V-RING
7	STATOR (定子)	15	EXTERNAL FAN (风扇)
8	ROTOR (转子)	16	FAN COVER (风罩)

强冷风机资料 Force fan motors data



独立驱动风扇技术参数									
机座号 Frame size	极数 Pole	电压 Voltage	频率 Frequency (Hz)	功率 Rated output (W)	电流 Current Noise(A)	转速 Speed (r/min)	风量 Fan power (m³/h)	风压 Fan Pressure (Pa)	ΔL (mm)
80	2-8P	380V	50	35	0.1	2800	58	60	105
90	2-8P	380V	50	35	0.1	2800	91	80	108
100	2-8P	380V	50	40	0.1	2800	142	80	99
112	2-8P	380V	50	45	0.1	2800	229	80	82
132	2-8P	380V	50	45	0.25	1400	337	35	121
160	2-8P	380V	50	50	0.25	1400	609	40	105
180	2-8P	380V	50	75	0.25	1400	686	55	119
200	2-8P	380V	50	100	0.3	1400	1679	65	110
225	2-8P	380V	50	120	0.35	1400	1786	70	172
250	2-8P	380V	50	230	0.7	1400	1813	80	168
280	2-8P	380V	50	250	0.75	1400	2415	85	105
315	2-8P	380V	50	450	1.3	1390	6200	180	235
355	2-8P	380V	50	650	1.9	1390	6500	180	235

接线盒资料 (钢板材质) Terminal box data 加热器参数 Space Heater



机座号 Frame size	极数 Pole	接线盒技术参数						外形尺寸 Outline(mm)			防潮加热带电气参数
		端子数 Number of terminals	接线螺钉 螺纹 Contact screw thread	外接电缆 直径 (mm) Outer cable diameter (sealing range)	进线孔尺寸 (格兰) Cable entry size	进线孔 数量	A	B	C	防潮加热带型号 Space heater type	
80	2P	6	M4	6~12	Φ21	1	60	110	110	1 Φ, 220V, 20W	
	4P-8P										
90	2P	6	M4	6~12	Φ21	1	60	110	110	1 Φ, 220V, 20W	
	4P-8P										
100	2P	6	M5	7~14	Φ26	1	68.5	127	120	1 Φ, 220V, 30W	
112	4P-8P										
132	2P	6	M5	7~14	Φ26	1	68.5	127	120	1 Φ, 220V, 30W	
160	4P-8P										
160	2P	6	M6	10~18	Φ35	1	81.5	166	160	1 Φ, 220V, 40W	
	4P-8P										
180	2P	6	M6	10~18	Φ35	1	81.5	166	160	1 Φ, 220V, 40W	
	4P-8P										
200	2P	6	M8	22~35	Φ52	1	89.5	212	196	1 Φ, 220V, 50W	
	4P-8P										
225	2P	6	M8	22~35	Φ52	1	89.5	212	196	1 Φ, 220V, 50W	
	4P-8P										
250	2P	6	M10	37~42	Φ65	1	115.5	245	224	1 Φ, 220V, 60W	
	4P-8P										
280	2P	6	M10	37~42	Φ65	1	115.5	245	224	1 Φ, 220V, 60W	
	4P-8P										
315	2P	6	M12	37~42	Φ65+Φ65	2	152	318	288	1 Φ, 220V, 150W	
	4P-8P										
355	2P	6	M16	45~52	Φ75+Φ75	2	188	408	372	1 Φ, 220V, 200W	
	4P-8P										

噪声 Noise levels



功率 kW	同步转速 r/min		
	3000 (2极)	1500 (4极)	1000 (6极)
dB (A) L_{WA}/L_{pfa}			
0.55	/	66/56	63/53
0.75	78/68	66/56	63/53
1.1	78/68	66/56	63/53
1.5	78/68	66/56	64/54
2.2	78/68	70/60	70/60
3	82/72	70/60	73/63
4	83/73	72/62	73/63
5.5	85/75	75/65	73/63
7.5	85/75	75/65	73/62
11	87/76	77/66	73/62
15	87/76	77/66	77/66
18.5	87/76	80/69	80/69
22	88/77	80/69	80/69
30	90/79	83/72	80/69
37	90/79	84/73	82/70
45	92/81	84/73	85/73
55	92/80	85/73	85/73
75	94/76	88/76	89/84
90	94/82	88/76	89/83
110	98/93	94/89	89/82
132	98/92	94/88	89/82
160	98/92	94/87	94/86
200	98/91	94/87	94/86
250	100/93.5	95/87	94/86
315	100/92	95/87	94/86

备注: L_{pfa} —声压级
 L_{WA} —声功率级
 测试距离为 1M,
 在 50HZ 电源供电下,容差为 $\pm 3dB$

L_{pfa} —sound pressure level
 L_{WA} —sound power level
 1M away from the motor,
 standard rated output at 50Hz,and the tolerance is $\pm 3dB$

TECO 三相异步电动机

型號	AEEV1H80M2-4	型式	AEEV2N—
極數	4	框號	80M
額定功率	1 hp 0.75kW	能效等級	GB3/IE2 IP55
額定頻率	50 Hz	使用係數	1.0 重量 16 kg
額定電壓	220/380 V	絕緣	F 日期 2019
額定電流	3.31/1.92 A	Δ	
額定轉速	1430 r/min	220 V	接線方式 380 V
定額	S1	W2 U2 V2	U1 V1 W1
效率	79.6 %	W2 U2 V2	U1 V1 W1
功率因數	0.745	U1 V1 W1	U1 V1 W1
軸承	6204ZZ/6203ZZ		
標準編號	Q/320217ACV05-2012	製造號碼	PXXXXXXXXXX

無錫東元電機有限公司 J

TECO 三相异步电动机

型號	AEEV1H80M2-4	型式	AEEV2N—
極數	4	框號	80M
額定功率	1 hp 0.75kW	能效等級	GB3/IE2 IP55
額定頻率	50 Hz	使用係數	1.0 重量 16 kg
額定電壓	220/380 V	絕緣	F 日期 2019
額定電流	3.31/1.92 A	Δ	
額定轉速	1430 r/min	220 V	接線方式 380 V
定額	S1	W2 U2 V2	U1 V1 W1
效率	79.6 %	W2 U2 V2	U1 V1 W1
功率因數	0.745	U1 V1 W1	U1 V1 W1
軸承	6204ZZ/6203ZZ		
標準編號	Q/320217ACV05-2012	製造號碼	QXXXXXXXXXX

青島東元精密機電有限公司 J

TECO 三相异步电动机
3-PHASE INDUCTION MOTOR

MODEL	AEEV1H250M-4	TYPE	AEEV2N—
POLES	4P	FRAME	250M
OUTPUT	75 hp 55 kW	EFF Grade	GB3/IE2 IP55
Hz	50 Hz	S.F	1.0 WEIGHT 400kg
VOLTS	380/660 V	INS.	F DATE 2019
AMP'S	103/59.3 A	Δ	
r/min	1485 rpm	380 V	接線方式 660 V
RATING	S1	W2 U2 V2	U1 V1 W1
EFF	93.5 %	W2 U2 V2	U1 V1 W1
cos ϕ	0.87	U1 V1 W1	U1 V1 W1
BEARINGS	6315-Z/6313-Z		
DESIGN	Q/320217ACV05-2012	SER. NO.	PXXXXXXXXXX

青島東元精密機電有限公司 QINGDAO TECO Precision Mechatronics Co., Ltd. J

TECO 三相异步电动机
3-PHASE INDUCTION MOTOR

MODEL	AEEV1H250M-4	TYPE	AEEV2N—
POLES	4P	FRAME	250M
OUTPUT	75 hp 55 kW	EFF Grade	GB3/IE2 IP55
Hz	50 Hz	S.F	1.0 WEIGHT 400kg
VOLTS	380/660 V	INS.	F DATE 2019
AMP'S	103/59.3 A	Δ	
r/min	1485 rpm	380 V	接線方式 660 V
RATING	S1	W2 U2 V2	U1 V1 W1
EFF	93.5 %	W2 U2 V2	U1 V1 W1
cos ϕ	0.87	U1 V1 W1	U1 V1 W1
BEARINGS	6315-Z/6313-Z		
DESIGN	Q/320217ACV05-2012	SER. NO.	PXXXXXXXXXX

無錫東元電機有限公司 WUXI TECO Elec. & Mach. Co., Ltd. J

轴承温升 Bearing temperature rise



注意!

轴承温升的高低比轴承本身实际温度更能反映出问题的状况。

如果轴承温升速率太快或是有非常明显的振动或异音，电动机必须立刻停止运转，详细检查问题发生的原因，否则不得重新运转。

如果轴承温升及运转情况都正常的话，电动机必须继续运转直到轴承温度稳定为止，许可的温度值如下：

滚动轴承 插入式温度检出器	警告值	跳脱值
轴承测试的温度	95℃	100℃

ATTENTION!

If the rate of rise in temperature is excessive or if the motor exhibits excessive vibration or noise, it should be shut down immediately and a thorough investigation made as to the cause before it is operated again.

Following the initial start-up, the bearing temperatures should be closely monitored. The rate of rise in bearing temperature is more indicative of impending trouble than is the actual temperature.

If the bearing temperature rise and motor operation appear to be normal, operation should continue until the bearing temperatures stabilize.

Recommended limits on bearing temperatures are as follows:

Anti-Friction Bearings.	Alarm temperature	Trip temperature
By permanently installed detector	95℃	100℃

BEARING LUBRICATED AT FACTORY
RE-LUBRICATE AS PER BELOW

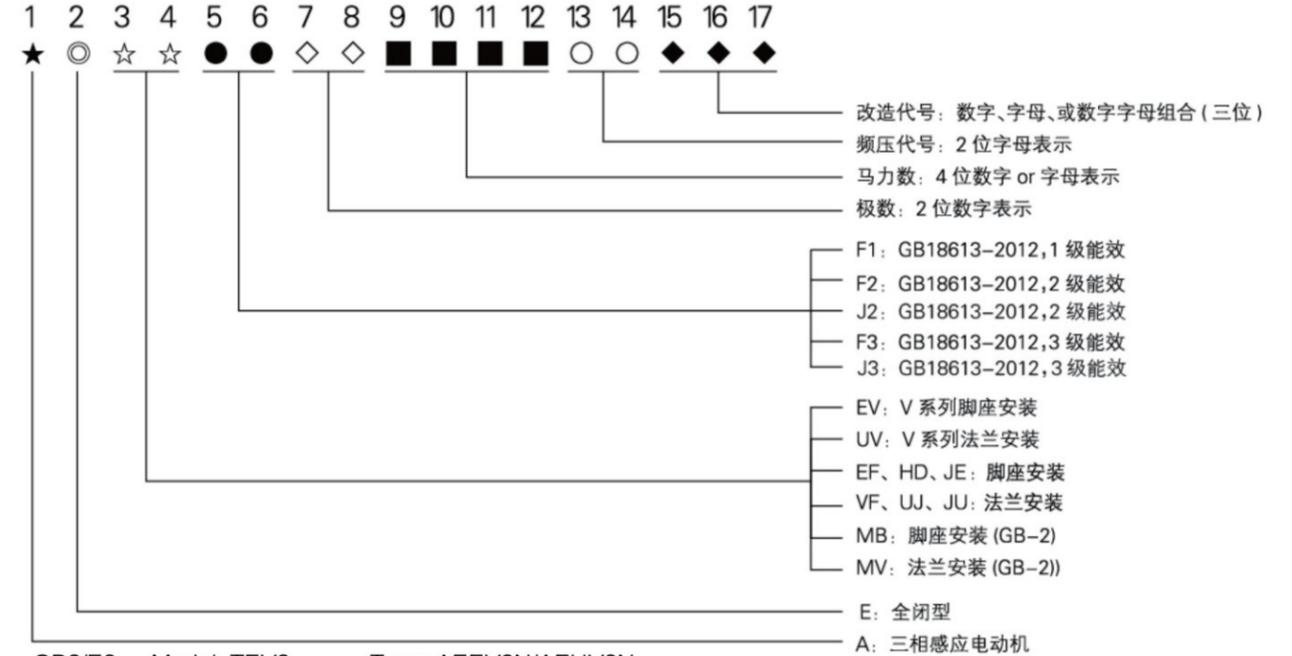
FRAME NO.	BEARING TYPE	VOLUME	INTERVAL	GREASE
F#160~200	6307~6312	30g	2000 HOURS	MOBIL PLOYREX EM
F#225~280	6313~6318	50g		SHELL ALVANIA RL3
F#315~355	6320~6328	80g		390450334

标准：F#250 开始给油

润滑油铭板

*F#225及以下给油为特殊指定

产品编号 Product Code



GB2/E3--Model: TEV2 Type: AEEV3N/AEUUV3N
 GB3/1E2--Model: AEEV1H Type: AEEV2N/AEUUV2N

东元产品改造代码对照表 GB18613-2012 能效 1-3 级	
15-17 码 代号	描述
---	标准
绕组和电机保护	
CA-	屋内防蚀
CA1	屋外防蚀 (WF1)
CA2	屋外防蚀 (WF2)
CA3	麦漆涂装
PA3	保护方式: IP56
SR-	附轴承 R.T.D (PT100Ω/0° C)-2PCS/SET (目前仅适用 Fr#≥160)
TH-	附电热器 (单相, 220V)
TL-	附热阻体 (PTC160) - 3pcs/set
TL2	附热阻体 (PTC160) - 6pcs/set
TP-	附热保护器 (145° C)
TR-	附绕组 R.T.D (PT100Ω/0° C)-3PCS/SET
TR1	附绕组 R.T.D (PT100Ω/0° C)-6PCS/SET
绝缘系统	
-H-	H 级绝缘
-L1	长引线 1m (T 座面算起), 接线盒不安装随电机一起出货, 压接端子
005	两次凡立水
结构部件	
BF-	T 盖空白
BH-	T 箱反向
CF-	C-Face Flange (小法兰)
LC-	座卧两用 (D Flange) --- IM B35
F01	铸铁风罩
F02	不锈钢风罩 (SUS304)

东元产品改造代码对照表
GB18613-2012 能效 1-3 级

结构部件	
FAN	铝质外扇
S01	F 侧绝缘轴承
S1-	NSK 轴承
S1F	SKF 轴承
WA7	附不锈钢防雨罩(SUS304)
面漆	
Y02	仅喷底漆,不喷面漆
YB5	黑色亚光漆
机械设计	
-H2	干燥炉用马达
O11	V 系列框架反装 (T 箱靠近非负载侧)
AP-	附油封
AY-	冷冻库用(- 40℃~ -15℃)
B02	V 系列 T 箱在顶,但出线孔朝左 (轴向)
B11	T 箱出线孔朝非负载侧 (T 箱位置依标准)
FM1	V 系列侧出线 (面向轴端 T 箱在右)
FM2	V 系列侧出线 (面向轴端 T 箱在左)
VF1	两侧附 SPM 振动螺栓
YF-	自然冷却型 (无风扇风罩)
其他 (特殊量变: 二次以上)	
NF-	温度等级 155(F), 使用 155(F), 带有服务系数 (SF1.15)
NF3	温度等级 155(F), 使用 155(F), 带有服务系数 (SF1.1)
NF7	SF1.15, SKF 轴承
S1Y	NSK 轴承, 仅喷底漆不喷面漆
TH3	附电热器 (单相, 220V), NSK 轴承
TH4	附电热器 (单相, 220V), SKF 轴承
THB	附电热器 (单相, 220V), 辅助小 T 箱
TJ-	附电热器 (单相, 220V), 热保护器 (145° C)
TK-	附电热器 (单相, 220V), 绕组 R.T.D (PT100Ω/0° C)-3PCS/SET
TK2	附电热器 (单相, 220V), 绕组 R.T.D (PT100Ω/0° C)-6PCS/SET
TLB	附热阻体 (PTC160) - 3pcs/set, 辅助小 T 箱
TM5	附热阻体 (PTC160) - 3pcs/set, 电热器 (单相, 220V)
TN-	附热阻体 (PTC160) - 3pcs/set, 电热器 (单相, 220V), 绕组 R.T.D (PT100Ω/0° C)-3PCS/SET
TRS	附绕组 R.T.D (PT100Ω/0° C)-3PCS/SET, NSK 轴承
VS-	自冷式变频处理, 附热保护器 145℃
VS2	自冷式变频处理, 附PTC 160℃, SF1.15
VS6	自冷式变频处理, 附PTC 160℃
VSD	自冷式变频处理, 附热保护器 145℃, SKF轴承
VSF	自冷式变频处理, 附PTC 160℃, 铝质外扇
VSH	自冷式变频处理, 不附热保护器
WA-	屋外式 (附防雨盖, 马达横装)
WA2	屋外式 (不附防雨盖, 马达横装)
-WA	屋外式 (附防雨盖, 马达立装)

1. 纸箱包装

机座号 Fr#80 到 Fr#112 的包装为纸箱, 如下图:



2. 木条箱包装

机座号 Fr#132到Fr#355的包装为木条箱, 如下图:



东元电机的包装也在不断的改进和更新中, 如有更改, 恕不另行通知。

特性表 Data Sheet

N系列标准电机 (Nstandard Motors)
Model: AEEV1H/AEUV1H

380V 50HZ
GB18613-2012 GB3(IE2)
2极

OUTPUT		FULL LOAD	FRAME NO.	EFFICIENCY			POWER FACTOR			CURRENT		TORQUE				ROTOR GD ²	NOISE SOUND POWER NO-LOAD	APPROX. WEIGHT
kW	hp			FULL LOAD (%)	3/4 LOAD (%)	1/2 LOAD (%)	FULL LOAD (%)	3/4 LOAD (%)	1/2 LOAD (%)	FULL LOAD (A)	LOCKED ROTOR %FLC	FULL LOAD kg-m	LOCKED ROTOR %FLT	PULL UP %FLT	BREAK DOWN %FLT			
		rpm																
0.75	1	2865	80M	77.4	75.8	72.6	84.5	77.5	66.0	1.74	630	0.253	225	200	280	0.005	78	14.5
1.1	1.5	2880	80M	79.6	80.3	79.1	85.5	78.5	66.5	2.46	775	0.378	255	200	305	0.007	78	16.5
1.5	2	2845	90S	81.3	81.5	80.5	90.0	86.0	75.5	3.11	650	0.510	220	170	250	0.010	78	21.0
2.2	3	2840	90L	83.2	84.0	83.0	89.5	85.0	75.5	4.49	750	0.767	265	230	300	0.013	78	24.0
3	4	2890	100L	84.6	84.4	83.6	89.0	85.0	76.0	6.05	820	1.005	215	195	280	0.022	82	34.5
4	5.5	2880	112M	85.8	86.5	85.5	91.0	88.0	81.0	7.78	890	1.386	235	230	335	0.042	83	44.0
5.5	7.5	2925	132S	87.0	87.0	85.7	85.5	81.5	73.0	11.2	690	1.861	190	145	250	0.057	85	55.0
7.5	10	2905	132S	88.1	88.6	87.6	84.5	80.5	71.5	15.3	660	2.499	190	165	250	0.066	85	59.0
11	15	2940	160M	89.4	89.4	88.6	91.5	89.0	83.0	20.4	830	3.703	220	155	270	0.154	87	92.5
15	20	2925	160M	90.3	90.3	90.2	93.0	91.5	88.0	27.1	765	4.963	230	155	240	0.192	87	107
18.5	25	2945	160L	90.9	91.7	90.5	92.5	90.5	86.0	33.4	880	6.162	265	175	280	0.237	87	119
22	30	2945	180M	91.3	91.5	91.0	90.0	88.0	82.5	40.7	800	7.394	220	175	280	0.283	88	148
30	40	2955	200L	92.0	92.0	90.8	90.0	89.0	85.0	55.0	775	9.825	185	140	275	0.521	90	213
37	50	2950	200L	92.5	92.0	91.3	90.5	89.5	85.5	67.2	845	12.30	205	140	240	0.663	90	243
45	60	2965	225M	92.9	92.3	90.9	90.5	87.5	81.0	81.3	875	14.69	160	155	320	1.074	92	279
55	75	2970	250M	93.2	93.4	93.1	91.0	90.0	85.5	98.5	735	18.33	135	115	295	1.211	92	356
75	100	2965	280S	93.8	93.6	92.8	89.0	87.5	82.0	136	800	24.69	130	120	285	1.759	94	454
90	125	2965	280M	94.1	93.9	92.8	87.5	86.0	76.0	166	800	29.53	175	135	300	2.287	94	520
110	150	2968	315S	94.3	94.2	93.5	90.5	89.0	85.0	196	795	36.12	210	180	270	3.200	98	636
132	175	2970	315M	94.6	94.4	93.5	90.5	89.0	84.5	234	780	43.31	200	170	260	4.400	98	675
160	215	2970	315L	94.8	94.5	93.4	91.0	90.0	86.5	282	785	52.50	205	175	260	5.600	98	775
200	270	2970	315L	95.0	94.8	93.8	91.5	90.5	88.0	350	800	65.62	230	200	260	7.600	98	955
250	335	2975	355M	95.0	94.6	93.5	91.5	90.0	86.0	437	750	81.89	140	120	280	9.200	100	1264
315	420	2975	355L	95.2	94.8	93.6	92.5	91.5	89.0	544	760	103.2	160	140	280	11.60	100	1444
355	475	2975	355C	95.4	95.2	94.4	92.0	90.5	85.5	615	840	116.3	120	120	260	16.00	100	2200
400	540	2975	355C	95.5	95.3	94.5	92.0	91.0	87.5	692	850	131.0	120	120	260	20.80	100	2500

NOTE : 1. The above are typical values based on test according to GB/T 1032 method B, IEC 60034-2-1:2007.

2. Breakdown & Locked rotor torques are shown as average expected values.
3. Tolerance According to GB755 & IEC 60034-1 .
4. Noise:sound power level at no-load,dB(A),Tolerance+3dB(A).
5. Data subject to change without notice.



特性表 Data Sheet

N系列标准电机 (Nstandard Motors)
Model: AEEV1H/AEUV1H

380V 50HZ
GB18613-2012 GB3(IE2)
4极

OUTPUT		FULL LOAD	FRAME NO.	EFFICIENCY			POWER FACTOR			CURRENT		TORQUE				ROTOR GD ²	NOISE SOUND POWER NO-LOAD	APPROX. WEIGHT
kW	hp			FULL LOAD (%)	3/4 LOAD (%)	1/2 LOAD (%)	FULL LOAD (%)	3/4 LOAD (%)	1/2 LOAD (%)	FULL LOAD (A)	LOCKED ROTOR %FLC	FULL LOAD kg-m	LOCKED ROTOR %FLT	PULL UP %FLT	BREAK DOWN %FLT			
		rpm																
0.55	0.75	1430	80M	78.1	78.0	75.3	74.0	64.0	49.5	1.45	640	0.381	260	230	290	0.010	66	14.5
0.75	1	1430	80M	79.6	79.5	76.3	74.5	65.0	51.0	1.92	705	0.508	330	290	340	0.011	66	16.0
1.1	1.5	1440	90S	81.4	81.6	79.3	77.5	69.0	55.0	2.65	740	0.756	275	220	310	0.017	66	20.0
1.5	2	1430	90L	82.8	83.8	82.7	82.5	75.5	62.5	3.34	740	1.015	265	190	280	0.022	66	23.0
2.2	3	1455	100L	84.3	84.6	82.9	79.0	71.0	58.0	5.02	790	1.497	215	175	290	0.041	70	32.0
3	4	1445	100L	85.5	85.4	84.3	80.5	73.0	60.0	6.62	795	2.009	210	155	275	0.050	70	35.0
4	5.5	1455	112M	86.6	87.0	86.1	81.0	74.5	62.5	8.66	830	2.744	260	220	290	0.083	72	47.0
5.5	7.5	1460	132S	87.7	87.8	86.3	81.5	75.0	63.0	11.7	775	3.729	255	190	320	0.113	75	58.0
7.5	10	1455	132M	88.7	89.0	88.8	85.5	80.5	70.0	15.0	760	4.989	230	165	280	0.133	75	67.0
11	15	1465	160M	89.8	90.1	89.5	88.5	85.0	77.5	21.0	730	7.432	205	155	255	0.297	77	97.5
15	20	1470	160L	90.6	91.3	90.5	86.5	82.5	73.5	29.1	785	9.876	235	185	280	0.396	77	119
18.5	25	1470	180M	91.2	92.0	91.0	85.0	82.5	75.5	36.3	630	12.34	180	175	275	0.654	80	152
22	30	1475	180L	91.6	91.8	91.5	84.0	80.5	72.5	43.4	710	14.76	195	150	230	0.712	80	165
30	40	1475	200L	92.3	92.3	91.7	87.5	84.5	77.5	56.4	790	19.68	205	185	245	1.220	83	211
37	50	1480	225S	92.7	92.8	92.1	87.0	84.0	77.0	69.7	710	24.52	190	160	245	1.649	84	267
45	60	1475	225M	93.1	93.3	92.9	86.5	83.5	76.5	84.9	690	29.53	190	160	270	1.731	84	282
55	75	1485	250M	93.5	93.6	93.1	87.0	85.0	79.0	103	780	36.66	240	230	255	3.621	85	400
75	100	1480	280S	94.0	94.0	93.2	87.0	84.0	77.5	139	770	49.38	185	170	300	4.853	88	545
90	125	1480	280M	94.2	94.0	93.2	85.5	82.5	75.5	170	780	59.26	200	190	280	5.393	88	587
110	150	1483	315S	94.5	94.4	93.5	87.5	84.0	76.0	202	760	72.28	230	200	300	7.200	94	686
132	175	1483	315M	94.7	94.6	93.8	87.5	84.5	77.0	242	700	86.74	190	160	260	8.800	94	827
160	215	1485	315L	94.9	94.9	94.4	88.0	85.0	77.5	291	760	105.0	210	180	290	11.60	94	942
200	270	1485	315L	95.1	95.0	94.5	88.5	87.0	82.0	361	725	131.2	200	170	270	14.80	94	1055
250	335	1485	355M	95.1	95.1	94.5	89.5	88.5	84.5	446	760	164.1	200	170	250	24.40	95	1314
315	420	1485	355L	95.2	95.2	94.6	89.5	88.5	84.0	562	760	206.7	200	170	250	26.40	95	1514
355	475	1485	355C	95.5	95.5	95.0	89.0	87.5	81.0	635	780	233.0	200	180	280	35.60	95	2450
400	540	1487	355C	95.6	95.6	95.0	89.5	88.0	83.0	710	780	262.1	200	180	260	42.80	95	2630

NOTE : 1. The above are typical values based on test according to GB/T 1032 method B, IEC 60034-2-1:2007.

2. Breakdown & Locked rotor torques are shown as average expected values.
3. Tolerance According to GB755 & IEC 60034-1 .
4. Noise:sound power level at no-load,dB(A),Tolerance+3dB(A).
5. Data subject to change without notice.
6. 0.55kW and below:Efficiency per TECO performance standard (Not IE2).

特性表 Data Sheet

N系列标准电机 (Nstandard Motors)
Model: AEEV1H/AEUV1H

380V 50HZ
GB18613-2012 GB3(IE2)
6极

OUTPUT		FULL LOAD	FRAME NO.	EFFICIENCY			POWER FACTOR			CURRENT		TORQUE				ROTOR GD ²	NOISE SOUND POWER NO-LOAD	APPROX. WEIGHT		
kW	hp			FULL LOAD	3/4 LOAD	1/2 LOAD	FULL LOAD	3/4 LOAD	1/2 LOAD	FULL LOAD	LOCKED ROTOR	FULL LOAD	LOCKED ROTOR	PULL UP	BREAK DOWN				kg-m	%FLT
0.55	0.75	930	80M	74.0	72.8	68.4	65.5	56.0	43.0	1.72	470	0.585	255	245	255	0.013	63	18.0		
0.75	1	935	90S	75.9	75.8	73.5	73.0	63.5	50.5	2.06	480	0.776	170	170	220	0.018	63	22.5		
1.1	1.5	935	90L	78.1	77.6	74.9	72.0	62.5	49.0	2.97	550	1.164	205	195	245	0.025	63	26.0		
1.5	2	955	100L	79.8	79.1	77.3	71.5	63.5	50.0	3.99	550	1.520	165	130	230	0.044	64	34.0		
2.2	3	945	112M	81.8	80.8	79.6	75.5	67.5	54.0	5.41	570	2.304	205	175	245	0.071	70	43.5		
3	4	965	132S	83.3	81.8	79.2	72.5	63.5	50.0	7.55	585	3.009	195	185	270	0.097	73	54.0		
4	5.5	960	132M	84.6	84.8	84.3	77.5	69.5	56.5	9.27	645	4.159	190	175	275	0.131	73	62.0		
5.5	7.5	965	132M	86.0	85.3	82.9	72.0	63.5	50.0	13.5	690	5.641	210	160	280	0.171	73	70.0		
7.5	10	960	160M	87.2	88.0	87.0	81.5	76.5	66.0	16.0	600	7.561	210	185	225	0.363	73	97.5		
11	15	965	160L	88.7	89.2	88.6	81.5	76.0	65.0	23.1	685	11.28	245	230	270	0.558	73	124		
15	20	975	180L	89.7	89.7	88.4	80.0	74.0	62.5	31.8	760	14.89	265	185	315	1.342	77	184		
18.5	25	975	200L	90.4	91.1	90.2	82.5	79.0	70.5	37.7	610	18.61	200	185	220	1.604	80	223		
22	30	975	200L	90.9	91.1	90.9	82.0	78.5	69.5	44.8	680	22.33	210	180	220	1.912	80	243		
30	40	975	225M	91.7	92.0	91.5	84.0	81.5	74.0	59.2	615	29.78	175	155	210	2.442	80	284		
37	50	980	250M	92.2	92.4	91.9	85.0	81.0	72.5	71.7	640	37.03	180	180	220	3.373	82	361		
45	60	985	280S	92.7	92.5	91.3	80.5	75.0	64.5	91.6	690	44.52	200	185	300	5.290	85	474		
55	75	985	280M	93.1	93.0	92.1	82.5	78.0	68.0	109	680	54.41	195	185	295	6.492	85	534		
75	100	987	315S	93.7	93.6	92.8	85.0	82.0	73.0	143	660	74.05	200	170	260	9.600	89	713		
90	125	987	315M	94.0	93.9	93.2	84.5	81.5	73.5	172	660	88.9	200	170	240	12.80	89	755		
110	150	987	315L	94.3	94.2	93.5	85.0	83.0	75.5	209	660	108.6	200	170	240	16.80	89	930		
132	175	987	315L*	94.6	94.5	93.6	84.8	82.5	75.0	250	660	130.3	200	170	240	10.40	89	1012		
160	215	988	315L	94.8	94.8	94.2	85.0	81.5	73.5	302	680	157.8	200	170	240	22.40	89	1115		
160	215	988	355M	94.8	94.8	94.2	85.5	83.0	73.0	300	680	157.8	200	170	240	28.00	94	1250		
200	270	988	355M	95.0	95.0	94.5	86.0	83.5	76.5	372	680	197.3	200	170	240	33.60	94	1344		
250	335	988	355L	95.2	95.2	94.8	86.0	84.0	77.0	464	680	246.6	200	170	240	42.80	94	1584		
315	420	990	355C	95.3	95.3	94.8	85.0	81.0	71.5	591	700	310.1	180	160	270	54.40	94	2350		
355	475	990	355C	95.4	95.4	94.8	85.5	82.5	73.6	661	700	349.4	180	160	270	61.60	94	2650		

NOTE : 1. The above are typical values based on test according to GB/T 1032 method B, IEC 60034-2-1:2007.

2. Breakdown & Locked rotor torques are shown as average expected values.
3. Tolerance According to GB755 & IEC 60034-1 .
4. Noise:sound power level at no-load,dB(A),Tolerance+3dB(A).
5. Data subject to change without notice.
6. 0.55kW and below:Efficiency per TECO performance standard (Not IE2).
7. (*) small frame : NOT standard design.



特性表 Data Sheet

N系列标准电机 (Nstandard Motors)
Model: AEEV1H/AEUV1H

380V 50HZ
GB18613-2012 GB3(IE2)
8极

OUTPUT		FULL LOAD	FRAME NO.	EFFICIENCY			POWER FACTOR			CURRENT		TORQUE				ROTOR GD ²	NOISE SOUND POWER NO-LOAD	APPROX. WEIGHT		
kW	hp			FULL LOAD	3/4 LOAD	1/2 LOAD	FULL LOAD	3/4 LOAD	1/2 LOAD	FULL LOAD	LOCKED ROTOR	FULL LOAD	LOCKED ROTOR	PULL UP	BREAK DOWN				kg-m	%FLT
0.18	0.25	710	80M	50.0	44.5	36.0	46.5	40.0	34.0	1.18	405	0.256	360	350	370	0.010	63	15.5		
0.25	0.33	700	80M	56.0	51.4	43.6	53.5	45.5	37.0	1.27	350	0.342	280	270	300	0.012	63	16.5		
0.37	0.5	710	90S	64.0	61.0	53.5	60.0	51.0	41.0	1.46	405	0.511	200	185	270	0.017	63	21.0		
0.55	0.75	695	90L	67.0	67.5	64.0	70.0	61.0	48.5	1.78	425	0.783	180	140	220	0.023	63	24.0		
0.75	1	695	100L	71.8	71.0	68.0	65.0	56.0	43.5	2.44	430	1.044	210	175	235	0.046	64	34.5		
1.1	1.5	690	100L	74.7	75.0	73.0	67.5	58.5	45.5	3.31	445	1.578	210	175	230	0.059	64	39.5		
1.5	2	700	112M	76.8	77.0	75.5	66.0	57.0	45.0	4.50	420	2.074	200	150	225	0.071	70	43.0		
2.2	3	710	132S	79.4	82.0	79.5	64.5	55.0	42.0	6.53	500	3.067	240	235	300	0.138	71	56.5		
3	4	700	132M	81.3	83.0	81.5	69.0	59.5	46.0	8.13	480	4.148	215	210	270	0.162	71	68.5		
4	5.5	715	160M	83.0	84.0	82.0	71.5	63.0	51.0	10.2	565	5.58	185	160	270	0.343	72	95.5		
5.5	7.5	715	160M	84.5	84.0	82.5	71.0	63.0	51.0	13.9	530	7.61	185	160	265	0.343	72	97.0		
7.5	10	720	160L	86.0	86.0	84.0	70.0	61.0	49.0	18.9	580	10.08	210	180	300	0.586	72	132		
11	15	720	180L	87.7	87.5	87.0	70.0	62.0	56.0	27.2	540	15.12	210	160	230	1.019	76	167		
15	20	720	200L	89.0	90.0	91.0	77.0	71.5	64.5	33.3	520	20.16	185	140	205	1.749	79	234		
18.5	25	735	225S	91.5	92.0	91.0	72.0	65.5	58.0	42.7	540	24.69	210	185	235	2.675	79	294		
22	30	735	225M	92.0	92.0	92.0	74.5	69.0	63.0	48.8	520	29.63	210	170	215	3.023	79	318		
30	40	735	250M	92.0	92.0	92.0	74.5	68.0	58.0	66.5	555	39.50	210	170	245	4.565	80	406		
37	50	735	280S	90.6	91.0	90.4	77.5	78.5	75.0	80.1	650	48.98	130	125	210	5.553	82	465		
45	60	735	280M	91.2	91.6	91.1	78.0	79.2	76.0	96.1	650	59.57	135	125	210	6.760	82	537		
55	75	735	315S	92.5	92.5	91.8	80.5	76.5	66.0	112	620	72.81	140	130	220	8.400	88	656		
75	100	735	315M	92.7	92.7	92.0	80.5	77.0	67.0	153	600	99.29	160	140	220	19.60	88	815		
90	125	735	315L	93.0	93.0	92.3	81.0	77.0	67.5	182	600	119.1	160	140	220	23.20	88	895		
110	150	735	315L	93.5	93.5	93.0	81.0	78.5	68.0	221	600	145.6	160	140	220	28.00	88	985		
132	175	738	355M	93.6	93.6	93.1	81.5	78.0	68.0	263	650	174.0	130	120	240	28.00	92	1264		
160	215	738	355M	93.8	93.8	93.2	82.0	78.5	69.5	316	650	210.9	130	120	240	35.20	92	1464		
200	270	740	355L	94.2	94.2	93.6	82.0	78.5	69.5	393	660	263.0	140	130	240	44.00	92	1764		
250	335	740	355C	94.8	94.8	94.2	84.0	80.5	72.0	477	690	329.2	130	130	240	63.20	92	2450		
315	420	740	355C	95.0	95.0	94.5	84.0	80.5	72.0	600	700	414.8	130	130	240	85.60	92	2800		

NOTE : 1. The above are typical values based on test according to GB/T 1032 method B, IEC 60034-2-1:2007.

2. Breakdown & Locked rotor torques are shown as average expected values.
3. Noise:sound power level at no-load,dB(A),Tolerance+3dB(A).
4. All 8 Pole rating : Efficiency per TECO performance standard.
5. Tolerance According to GB755 & IEC 60034-1 .

特性表 Data Sheet

N系列标准电机 (Nstandard Motors)
Model: TEV2

380V 50HZ
GB18613-2012 GB2(IE3)
2极

OUTPUT		FULL LOAD	FRAME NO.	EFFICIENCY			POWER FACTOR			CURRENT		TORQUE				ROTOR GD ²	NOISE SOUND POWER NO-LOAD	APPROX. WEIGHT
kW	hp			FULL LOAD (%)	3/4 LOAD (%)	1/2 LOAD (%)	FULL LOAD (%)	3/4 LOAD (%)	1/2 LOAD (%)	FULL LOAD (A)	LOCKED ROTOR %FLC	FULL LOAD kg-m	LOCKED ROTOR %FLT	PULL UP %FLT	BREAK DOWN %FLT			
	rpm																	
0.75	1	2875	80M	80.7	78.3	75.1	84.5	78.0	66.5	1.67	780	0.254	280	275	335	0.006	78	17.0
1.1	1.5	2870	80M	82.7	83.0	81.3	85.0	78.5	66.5	2.38	800	0.373	300	295	350	0.007	78	18.5
1.5	2	2850	90S	84.2	85.4	85.8	90.5	87.0	78.0	2.99	800	0.512	220	210	280	0.012	78	25.0
2.2	3	2860	90L	85.9	86.7	86.8	89.5	85.0	75.5	4.35	850	0.748	245	235	315	0.014	78	27.5
3	4	2855	100L	87.1	88.3	88.4	90.0	86.5	78.5	5.81	880	1.022	255	240	355	0.025	82	37.9
4	5.5	2875	112M	88.1	89.0	88.9	91.0	87.5	80.0	7.58	950	1.354	270	250	360	0.046	83	48.0
5.5	7.5	2930	132S	89.2	89.8	89.5	86.0	84.0	77.5	10.9	800	1.826	205	205	340	0.075	85	67.5
7.5	10	2920	132S	90.1	90.9	90.8	87.0	84.5	77.5	14.5	725	2.499	195	195	315	0.081	85	69.5
11	15	2935	160M	91.2	92.0	92.0	90.0	89.0	83.5	20.4	775	3.647	230	185	285	0.183	87	117
15	20	2935	160M	91.9	92.0	92.0	89.0	85.5	77.5	27.9	865	4.973	275	230	330	0.205	87	117
18.5	25	2930	160L	92.4	93.0	93.0	90.0	89.5	84.0	33.8	810	6.144	245	200	295	0.237	87	124
22	30	2940	180M	92.7	92.7	92.5	87.0	85.0	77.0	41.4	760	7.281	225	180	275	0.283	88	166
30	40	2950	200L	93.3	93.5	92.5	90.0	90.0	86.5	54.3	775	9.895	200	145	270	0.602	90	238
37	50	2955	200L	93.7	94.5	94.0	91.0	90.5	87.0	65.9	815	12.18	195	145	280	0.753	90	273
45	60	2960	225M	94.0	94.0	93.5	91.0	91.0	88.0	79.9	810	14.79	150	140	290	1.187	92	299
55	75	2970	250M	94.3	94.5	94.0	91.5	90.0	86.5	96.8	800	18.02	150	130	315	1.544	92	416
75	100	2970	280S	94.7	94.6	93.6	81.5	77.0	66.5	148	780	24.61	155	135	300	1.935	94	505
90	125	2970	280M	95.0	95.0	94.0	90.5	90.0	82.5	159	830	29.53	150	135	285	2.463	94	571
110	150	2970	315S	95.2	95.0	94.3	91.0	89.5	85.6	193	834	36.09	230	200	280	3.200	98	786
132	175	2975	315M	95.4	95.1	94.4	91.0	90.5	87.0	231	755	43.24	150	130	280	4.800	98	835
160	215	2975	315L	95.6	95.5	94.5	91.0	90.5	87.0	279	764	52.41	160	140	270	5.200	98	910
200	270	2975	315L	95.8	95.6	94.6	91.0	90.5	88.0	349	735	65.51	160	140	260	6.000	98	1,175
250	335	2975	355M	95.8	95.5	94.6	90.5	89.0	84.0	438	740	81.89	140	115	260	8.800	100	1,414
315	420	2975	355L	95.8	95.5	94.8	91.0	89.0	84.0	549	740	103.2	140	115	260	10.40	100	1,564
355	475	2975	355C	95.8	95.5	94.6	92.0	90.5	85.5	612	840	116.3	120	120	260	16.00	100	2,200
400	540	2975	355C	95.8	95.5	94.6	92.0	91.0	87.5	690	850	131.0	120	120	260	20.80	100	2,550
450	603	2980	400	96.2	96.2	95.5	91.0	88.5	80.5	781	680	147.2	160	140	200	21.20	105	2,650
500	670	2980	400	96.3	96.3	95.6	91.0	88.5	80.5	867	680	163.5	160	140	200	23.60	105	2,920
560	751	2980	400	96.4	96.4	96.0	92.0	88.5	80.5	959	700	183.1	150	140	200	33.40	105	3,200
630	845	2980	400	96.4	96.4	95.8	92.0	88.5	80.5	1079	700	206.0	150	140	200	36.40	105	3,490

- NOTE: 1. The above are typical values based on test according to GB/T 1032 method B, IEC 60034-2-1:2007.
2. Tolerance according to GB 755, IEC 60034-1.
3. Breakdown & Locked rotor torques are show as average expected voltages.
4. Noise : sound power level at no - load, dB(A), Tolerance + 3 dB(A)
5. Data subject to change without notice.



特性表 Data Sheet

N系列标准电机 (Nstandard Motors)
Model: TEV2

380V 50HZ
GB18613-2012 GB2(IE3)
4极

OUTPUT		FULL LOAD	FRAME NO.	EFFICIENCY			POWER FACTOR			CURRENT		TORQUE				ROTOR GD ²	NOISE SOUND POWER NO-LOAD	APPROX. WEIGHT
kW	hp			FULL LOAD (%)	3/4 LOAD (%)	1/2 LOAD (%)	FULL LOAD (%)	3/4 LOAD (%)	1/2 LOAD (%)	FULL LOAD (A)	LOCKED ROTOR %FLC	FULL LOAD kg-m	LOCKED ROTOR %FLT	PULL UP %FLT	BREAK DOWN %FLT			
	rpm																	
0.55	0.75	1425	80M	79.0	77.9	74.7	69.0	58.5	44.5	1.53	620	0.376	300	270	320	0.010	66	16.5
0.75	1	1410	80M	82.5	81.8	79.7	73.5	64.0	50.0	1.88	640	0.518	315	290	335	0.013	66	17.0
1.1	1.5	1430	90S	84.1	84.4	83.2	79.5	71.5	57.5	2.50	720	0.748	255	205	290	0.019	66	25.0
1.5	2	1435	90L	85.3	84.1	82.2	75.0	65.5	51.5	3.56	760	1.017	300	235	335	0.023	66	26.5
2.2	3	1450	100L	86.7	87.3	86.9	81.0	73.5	60.5	4.76	735	1.476	200	160	270	0.045	70	40.0
3	4	1455	100L	87.7	87.7	86.2	78.0	70.5	57.5	6.66	780	2.006	250	240	335	0.052	70	42.0
4	5.5	1445	112M	88.6	88.4	87.9	82.0	76.5	65.5	8.37	715	2.693	245	205	280	0.083	72	51.0
5.5	7.5	1455	132S	89.6	90.4	90.3	85.0	80.5	70.0	11.0	735	3.678	245	200	300	0.132	75	68.5
7.5	10	1450	132M	90.4	90.8	90.4	85.0	80.0	69.5	14.8	780	5.033	270	225	330	0.172	75	79.5
11	15	1460	160M	91.4	92.0	91.5	85.0	81.0	71.0	21.5	775	7.331	230	185	270	0.366	77	117
15	20	1460	160L	92.1	92.5	92.5	85.0	81.5	71.4	29.1	810	9.997	250	195	285	0.460	77	134
18.5	25	1475	180M	92.6	94.0	93.0	85.0	82.4	75.0	35.7	790	12.20	215	160	255	0.704	80	181
22	30	1475	180L	93.0	93.5	93.0	85.0	81.9	74.1	42.3	785	14.51	190	145	245	0.789	80	189
30	40	1470	200L	93.6	94.5	94.5	86.0	84.5	77.0	56.6	830	19.86	250	205	280	1.451	83	258
37	50	1480	225S	93.9	94.5	94.0	85.5	82.0	73.0	70.0	760	24.33	210	175	300	1.896	84	313
45	60	1480	225M	94.2	94.5	94.0	85.0	80.0	70.4	85.4	735	29.58	210	175	290	1.979	84	319
55	75	1485	250M	94.6	94.6	94.0	87.5	84.5	77.0	101	780	36.04	210	185	265	3.911	85	431
75	100	1480	280S	95.0	95.0	94.5	85.0	82.0	73.0	141	770	49.38	160	150	300	5.033	88	545
90	125	1480	280M	95.2	95.2	94.7	85.0	81.0	71.3	169	780	59.26	175	165	300	6.112	88	615
110	150	1480	315S	95.4	95.2	94.8	88.5	86.5	80.5	198	725	72.43	210	180	270	7.600	94	916
132	175	1485	315M	95.6	95.5	94.8	89.0	87.5	83.0	236	793	86.62	200	180	270	10.40	94	895
160	215	1482	315L	95.8	95.6	94.8	89.0	88.0	83.5	285	770	105.2	200	180	270	11.60	94	1,055
200	270	1485	315L	96.0	95.6	95.2	89.5	88.8	84.5	354	740	131.2	200	180	260	14.00	94	1,215
250	335	1485	355M	96.0	95.8	95.3	87.0	84.5	77.5	455	740	164.1	190	170	260	27.60	95	1,564
315	420	1487	355L	96.0	95.8	95.3	87.0	84.5	77.5	573	740	206.4	200	180	260	31.20	95	1,764
355	475	1485	355C	96.0	95.8	95.3	89.0	87.5	81.0	631	780	233.0	200	180	280	35.60	95	2,350
400	540	1487	355C	96.0	95.8	95.3	89.5	88.0	83.0	707	780	262.1	200	180	260	42.80	95	2,630
450	603	1485	400	96.4	96.5	96.2	88.0	87.4	85.0	806	680	295.3	150	140	200	48.00	100	2,890
500	670	1485	400	96.4	96.5	96.2	89.0	88.4	86.0	885	680	328.1	150	140	200	55.00	100	3,100
560	751	1485	400	96.5	96.6	96.3	89.0	88.4	86.0	991	700	367.5	150	140	200	65.00	100	3,360
630	845	1485	400	96.5	96.6	96.3	89.0	88.4	86.1	1115	700	413.4	150	140	200	74.00	100	3,430

- NOTE: 1. The above are typical values based on test according to GB/T 1032 method B, IEC 60034-2-1:2007.
2. Tolerance according to GB 755, IEC 60034-1.
3. Breakdown & Locked rotor torques are show as average expected voltages.
4. 0.55 kW and below : Efficiency per TECO performance standard (Not IE3).
5. Noise : sound power level at no - load, dB(A), Tolerance + 3 dB(A)
6. Data subject to change without notice.

特性表 Data Sheet

N系列标准电机 (Nstandard Motors)
Model: TEV2

380V 50HZ
GB18613-2012 GB2(IE3)

6极

OUTPUT		FULL LOAD	FRAME NO.	EFFICIENCY			POWER FACTOR			CURRENT		TORQUE				ROTOR GD ²	NOISE SOUND POWER NO-LOAD	APPROX. WEIGHT
kW	hp			FULL LOAD	3/4 LOAD	1/2 LOAD	FULL LOAD	3/4 LOAD	1/2 LOAD	FULL LOAD	LOCKED ROTOR	FULL LOAD	LOCKED ROTOR	PULL UP	BREAK DOWN			
		rpm	(%)	(%)	(%)	(%)	(%)	(%)	(A)	%FLC	kg-m	%FLT	%FLT	%FLT	kg-m ²	dB(A)	kg	
0.55	0.75	905	80M	70.0	69.7	66.2	69.0	58.0	44.5	1.73	375	0.591	210	195	225	0.012	63	18.5
0.75	1	935	90S	78.9	80.6	79.4	71.0	62.5	49.0	2.03	470	0.780	205	190	225	0.022	63	26.0
1.1	1.5	930	90L	81.0	81.2	80.5	72.0	63.5	50.0	2.87	490	1.151	200	185	215	0.026	63	29.5
1.5	2	950	100L	82.5	82.9	81.5	72.5	65.0	52.0	3.81	500	1.536	200	175	225	0.058	64	40.0
2.2	3	960	112M	84.3	84.3	82.2	67.0	59.0	47.0	5.92	525	2.230	175	175	250	0.083	70	50.5
3	4	970	132S	85.6	86.1	85.1	76.0	70.0	57.5	7.01	655	3.009	175	170	300	0.154	73	68.5
4	5.5	970	132M	86.8	87.2	86.3	79.5	72.5	60.0	8.81	680	4.012	180	175	310	0.205	73	83.0
5.5	7.5	970	132M	88.0	88.0	86.2	73.5	65.5	52.0	12.9	720	5.517	210	205	345	0.216	73	84.0
7.5	10	970	160M	89.1	90.0	89.0	79.0	73.0	61.0	16.2	715	7.523	235	210	280	0.483	73	122
11	15	970	160L	90.3	91.0	90.5	78.0	72.0	60.5	23.7	755	11.03	295	255	285	0.628	73	134
15	20	970	180L	91.2	92.0	92.0	82.0	78.0	68.0	30.5	690	15.05	215	165	230	1.337	77	189
18.5	25	975	200L	91.7	92.5	92.5	80.5	76.0	66.5	38.1	720	18.46	220	185	240	1.829	80	243
22	30	975	200L	92.2	93.0	93.5	81.5	77.0	68.0	44.5	720	21.95	210	185	240	2.078	80	263
30	40	980	225M	92.9	93.5	93.5	83.5	80.0	76.5	58.8	600	29.79	200	160	215	3.023	80	344
37	50	980	250M	93.3	94.0	94.0	85.0	81.5	75.0	70.9	730	36.74	230	200	250	4.194	82	411
45	60	985	280S	93.7	93.7	93.0	81.5	77.5	67.5	89.5	690	44.52	185	175	285	5.530	85	487
55	75	985	280M	94.1	94.1	93.5	83.0	80.0	71.0	107	685	54.41	185	175	300	6.733	85	548
75	100	985	315S	94.6	94.5	93.7	84.5	81.0	71.0	143	669	74.20	200	180	280	9.600	89	801
90	125	985	315M	94.9	94.9	94.2	85.0	82.5	75.0	170	704	89.04	200	180	250	15.20	89	865
110	150	985	315L	95.2	95.0	94.2	85.0	83.0	75.5	207	667	108.8	200	180	250	18.40	89	995
132	175	985	315L	95.4	95.3	94.3	84.5	82.5	75.0	249	663	130.6	200	180	250	20.40	89	1,180
160	215	988	355M	95.6	95.4	94.6	85.0	81.0	70.0	299	720	157.8	160	140	260	31.60	94	1,414
200	270	988	355M	95.8	95.6	94.8	85.0	81.0	69.0	373	740	197.3	180	160	270	39.20	94	1,664
250	335	988	355L	95.8	95.6	94.8	85.0	80.5	68.0	466	760	246.6	180	160	270	46.40	94	1,864
315	420	990	355C	95.8	95.8	95.4	85.5	82.0	73.5	584	720	310.1	180	160	270	57.20	94	2,450
355	475	990	355C	95.8	95.8	95.4	85.5	82.5	73.6	659	720	349.4	180	160	270	64.80	94	2,800
400	540	990	400	96.2	96.3	95.8	85.0	84.5	81.0	743	650	393.7	180	150	200	78.00	98	2,990
450	603	990	400	96.4	96.5	96.2	86.0	85.5	82.0	825	680	442.9	150	140	180	94.00	98	3,200
500	670	990	400	96.5	96.6	96.3	86.0	85.4	82.1	915	680	492.2	150	140	180	105.0	98	3,490
560	751	990	400	96.5	96.6	96.3	86.0	85.4	82.0	1025	680	551.2	150	140	180	115.2	98	3,660

- NOTE: 1. The above are typical values based on test according to GB/T 1032 method B, IEC 60034-2-1:2007.
 2. Tolerance according to GB 755, IEC 60034-1.
 3. Breakdown & Locked rotor torques are show as average expected voltages.
 4. 0.55 kW and below : Efficiency per TECO performance standard (Not IE3).
 5. Noise : sound power level at no - load, dB(A), Tolerance + 3 dB(A)
 6. Data subject to change without notice.



特性表 Data Sheet

N系列标准电机 (Nstandard Motors)
Model: TEV1

380V 50HZ
GB18613-2012 GB1(IE4)

2极

OUTPUT		FULL LOAD	FRAME NO.	EFFICIENCY			POWER FACTOR			CURRENT		TORQUE				ROTOR GD ²	NOISE SOUND POWER NO-LOAD	APPROX. WEIGHT
kW	hp			FULL LOAD	3/4 LOAD	1/2 LOAD	FULL LOAD	3/4 LOAD	1/2 LOAD	FULL LOAD	LOCKED ROTOR	FULL LOAD	LOCKED ROTOR	PULL UP	BREAK DOWN			
		rpm	(%)	(%)	(%)	(%)	(%)	(%)	(A)	%FLC	kg-m	%FLT	%FLT	%FLT	kg-m ²	dB(A)	kg	
0.75	1	2880	80M	84.9	85.5	84.6	81.5	75.0	65.0	1.65	845	0.253	345	310	360	0.007	78	18.0
1.1	1.5	2880	80M	86.7	87.3	86.2	81.5	76.5	65.5	2.37	915	0.372	360	325	380	0.010	78	22.5
1.5	2	2885	90S	87.5	88.4	88.0	87.5	83.0	72.5	2.98	985	0.506	310	280	360	0.014	78	28.5
2.2	3	2885	90L	89.1	89.3	88.9	88.0	85.0	77.0	4.26	965	0.742	365	330	375	0.016	78	30.5
3	4	2885	100L	89.7	90.4	90.1	88.0	84.0	75.0	5.77	990	1.012	360	325	365	0.028	82	43.5
4	5.5	2895	112M	90.3	90.5	90.4	89.0	87.0	80.5	7.56	990	1.344	360	330	390	0.056	83	56.0
5.5	7.5	2925	132S	91.5	91.9	91.4	86.0	81.5	71.5	10.6	990	1.830	275	215	365	0.079	85	77.5
7.5	10	2925	132S	92.1	91.6	91.2	86.0	85.5	81.0	14.4	905	2.495	260	225	340	0.085	85	80.5
11	15	2950	160M	93.0	93.0	92.0	89.0	86.0	79.5	20.2	950	3.628	240	195	330	0.192	87	123
15	20	2950	160M	93.4	93.0	93.0	87.5	84.0	76.0	27.9	990	4.947	265	215	355	0.218	87	130
18.5	25	2950	160L	93.8	93.5	93.0	87.5	84.0	76.0	34.2	930	6.102	270	215	350	0.250	87	140
22	30	2950	180M	94.4	93.5	93.0	90.0	87.5	80.0	39.3	950	7.256	290	230	350	0.330	88	194
30	40	2960	200L	94.5	94.5	94.0	93.5	93.0	91.5	51.6	780	9.861	155	135	265	1.074	90	306
37	50	2965	200L	94.8	95.0	94.5	93.5	92.5	90.0	63.4	880	12.14	180	155	295	1.187	90	318
45	60	2965	225M	95.1	95.0	94.5	91.5	91.0	88.0	78.6	745	14.77	140	125	270	1.345	92	404
55	75	2970	250M	95.4	95.0	94.0	90.0	88.5	84.0	97.3	890	18.02	155	140	330	2.111	92	561
75	100	2975	280S	95.6	95.3	94.0	90.0	87.5	80.5	132	852	24.57	170	150	320	2.400	94	680
90	125	2975	280M	95.8	95.5	94.3	90.2	88.0	81.3	158	873	29.48	170	150	320	2.800	94	720
110	150	2978	315S	96.0	95.5	94.4	90.6	88.5	83.4	192	818	36.00	150	130	310	4.4	98	930
132	175	2978	315M	96.0	95.6	94.5	91.0	89.0	85.0	230	780	43.19	150	130	300	4.800	98	1030
160	215	2978	315L	96.2	95.6	94.5	91.5	89.5	87.5	276	827	52.36	170	150	310	6.400	98	1150
185	250	2978	315L	96.3	95.6	94.5	92.0	91.0	88.0	317	842	60.54	180	160	300	6.800	98	1260
200	270	2978	315L	96.3	95.6	94.6	92.0	91.2	88.2	343	828	65.45	180	160	300	7.200	98	1,380
220	300	2982	355M	96.3	95.5	94.5	91.6	90.5	85.7	379	805	71.89	150	130	310	13.600	98	1,850
250	335	2982	355M	96.4	95.5	94.5	91.7	90.5	85.8	430	806	81.70	160	140	320	14.40	98	1,900
280	375	2982	355L	96.4	95.6	94.6	91.8	90.5	86.0	481	790	91.50	150	130	300	14.80	98	2,080
300	402	2982	355L	96.5	95.6	94.7	91.8	90.6	86.0	515	820	98.04	150	130	300	16.00	98	2,150
315	422	2982	355L	96.5	95.7	94.8	92.0	91.3	87.0	539	790	102.9	150	130	300	16.80	98	2,200
355	475	2980	355C	96.6	96.0	95.0	91.5	91.0	88.0	610	830	116.1	130	110	240	20.40	98	2,520
375	503	2980	355C	96.6	96.2	95.2	92.0	91.5	88.0	641	850	122.6	130	110	250	21.20	98	2,600

- NOTE: 1. The above are typical values based on test according to GB/T 1032 method B, IEC 60034-2-1:2007.
 2. Tolerance according to GB 755, IEC 60034-1.
 3. Breakdown & Locked rotor torques are show as average expected voltages.
 4. Efficiency, power factor, speed and torque are the same for other voltages.
 Current values vary inversely with voltage.
 5. Noise : sound power level at no - load, dB(A), Tolerance + 3 dB(A)
 6. Data subject to change without notice.
 7. Tolerance of power factor and current for F#280-355 may reach± 5%, just for reference only

特性表 Data Sheet

N系列标准电机 (Nstandard Motors)
Model:TEV1

380V 50HZ
GB18613-2012 GB1(IE4)
4极

OUTPUT		FULL LOAD	FRAME NO.	EFFICIENCY			POWER FACTOR			CURRENT		TORQUE				ROTOR GD2	NOISE SOUND POWER NO-LOAD	APPROX. WEIGHT
kW	hp			FULL LOAD	3/4 LOAD	1/2 LOAD	FULL LOAD	3/4 LOAD	1/2 LOAD	FULL LOAD	LOCKED ROTOR	FULL LOAD	LOCKED ROTOR	PULL UP	BREAK DOWN			
		rpm	(%)	(%)	(%)	(%)	(%)	(%)	(A)	%FLC	kg-m	%FLT	%FLT	%FLT				
0.75	1	1435	80M	85.7	86.2	85.3	73.5	65.5	52.0	1.81	755	0.509	380	345	395	0.017	66	22.0
1.1	1.5	1445	90S	87.4	87.9	86.9	77.0	69.0	55.0	2.48	870	0.741	330	245	355	0.021	66	27.5
1.5	2	1445	90L	88.2	88.8	88.1	80.5	73.0	61.0	3.21	885	1.010	330	245	340	0.029	66	32.0
2.2	3	1460	100L	89.7	90.2	89.8	80.5	75.0	64.5	4.63	940	1.466	325	200	385	0.076	70	52.0
3	4	1465	100L	90.4	90.2	89.1	80.5	73.5	61.0	6.26	945	1.992	330	310	350	0.089	70	56.5
4	5.5	1465	112M	91.1	91.4	90.6	81.5	71.5	64.5	8.19	965	2.657	355	280	380	0.117	72	65.0
5.5	7.5	1465	132S	92.1	92.4	91.8	83.0	77.0	66.0	10.9	990	3.653	390	300	395	0.192	75	92.5
7.5	10	1465	132M	92.6	92.6	92.4	83.5	78.5	67.5	14.7	925	4.981	350	255	350	0.222	75	101
11	15	1470	160M	93.6	93.0	93.0	82.5	78.0	67.5	21.6	860	7.281	265	215	295	0.407	77	141
15	20	1470	160L	94.0	94.0	93.5	85.0	82.0	73.5	28.5	780	9.929	235	190	260	0.506	77	157
18.5	25	1480	180M	94.3	94.0	93.5	84.0	80.5	72.0	35.5	840	12.16	240	205	290	0.928	80	221
22	30	1480	180L	94.7	94.0	93.0	82.0	78.0	68.0	43.0	875	14.46	265	220	305	1.005	80	232
30	40	1480	200L	95.0	94.5	94.0	81.5	77.0	67.0	58.9	780	19.72	220	185	275	1.649	83	310
37	50	1480	225S	95.3	95.0	94.5	88.0	85.0	77.5	67.0	795	24.33	210	185	265	3.186	84	408
45	60	1480	225M	95.6	95.0	94.5	88.0	85.0	78.0	81.3	780	29.58	210	185	260	3.760	84	449
55	75	1480	250M	95.8	96.0	95.5	86.0	83.0	75.0	101	885	36.16	185	170	320	5.393	85	603
75	100	1485	280S	96.0	95.4	94.3	87.0	83.5	75.5	136	846	54.19	230	200	320	6.400	88	670
90	125	1485	280M	96.2	95.5	94.7	87.2	83.5	75.5	163	850	65.03	230	200	320	7.600	88	730
110	150	1485	315S	96.4	95.6	94.8	87.5	85.0	79.5	198	850	79.48	220	190	300	9.600	94	970
132	175	1486	315M	96.5	95.6	95.0	87.8	85.3	79.5	237	842	86.56	220	190	300	10.40	94	1,060
160	215	1486	315L	96.5	95.7	95.0	88.0	85.5	79.5	286	880	104.9	230	200	300	12.40	94	1,240
185	250	1486	315L	96.6	95.7	95.0	88.2	86.0	81.7	330	840	121.3	230	200	300	15.20	94	1,320
200	270	1486	315L	96.6	95.7	95.1	88.5	87.0	82.5	355	873	131.2	230	200	300	16.00	94	1,400
220	300	1488	355M	96.6	95.5	94.8	88.5	86.2	80.0	391	836	144.1	220	190	320	31.20	95	1,880
250	335	1489	355M	96.7	95.6	94.8	88.5	84.0	77.2	444	858	163.6	220	190	330	31.20	95	1,930
280	375	1489	355L	96.7	95.6	94.9	88.5	85.2	78.0	497	795	183.2	220	190	320	32.80	95	2,100
300	402	1489	355L	96.8	95.7	95.0	88.5	85.2	78.2	532	806	196.3	220	190	320	35.60	95	2,180
315	422	1489	355L	96.8	95.8	95.1	88.5	85.5	78.4	559	810	206.2	220	190	320	36.80	95	2,230
355	475	1490	355C	96.8	95.9	95.2	87.1	83.2	75.5	640	816	232.2	170	150	320	43.60	95	2,580
375	503	1490	355C	96.8	96.0	95.3	87.5	84.3	75.8	673	817	245.3	170	150	320	46.80	95	2,650

- NOTE: 1. The above are typical values based on test according to GB/T 1032 method B, IEC 60034-2-1:2007.
 2. Tolerance according to GB 755, IEC 60034-1.
 3. Breakdown & Locked rotor torques are show as average expected voltages.
 4. Efficiency, power factor, speed and torque are the same for other voltages.
 Current values vary inversely with voltage.
 5. Noise : sound power level at no - load, dB(A), Tolerance + 3 dB(A)
 6. Data subject to change without notice.
 7. Tolerance of power factor and current for F#280-355 may reach± 5%, just for reference only



特性表 Data Sheet

N系列标准电机 (Nstandard Motors)
Model: TEV1

380V 50HZ
GB18613-2012 GB1(IE4)
6极

OUTPUT		FULL LOAD	FRAME NO.	EFFICIENCY			POWER FACTOR			CURRENT		TORQUE				ROTOR GD2	NOISE SOUND POWER NO-LOAD	APPROX. WEIGHT
kW	hp			FULL LOAD	3/4 LOAD	1/2 LOAD	FULL LOAD	3/4 LOAD	1/2 LOAD	FULL LOAD	LOCKED ROTOR	FULL LOAD	LOCKED ROTOR	PULL UP	BREAK DOWN			
		rpm	(%)	(%)	(%)	(%)	(%)	(%)	(A)	%FLC	kg-m	%FLT	%FLT	%FLT				
0.75	1	950	90S	83.1	82.8	81.3	68.0	58.0	45.0	2.02	625	0.768	250	215	300	0.027	63	30.0
1.1	1.5	955	90L	84.5	84.5	83.0	69.5	60.5	47.5	2.85	630	1.121	260	250	335	0.037	63	36.0
1.5	2	960	100L	86.2	86.5	85.5	70.0	62.5	50.0	3.78	685	1.520	240	185	295	0.065	64	47.0
2.2	3	970	112M	87.4	87.3	85.8	66.0	58.5	46.0	5.79	705	2.207	260	220	330	0.093	70	56.5
3	4	970	132S	88.7	88.9	87.8	75.5	67.0	54.0	6.81	755	3.009	230	190	330	0.154	73	75.0
4	5.5	970	132M	89.7	90.4	90.0	78.0	72.0	60.0	8.69	695	4.012	190	180	280	0.206	73	86.0
5.5	7.5	970	132M	90.5	89.6	88.4	74.0	66.0	53.0	12.5	790	5.517	270	255	355	0.223	73	90.5
7.5	10	975	160M	91.3	91.5	91.0	77.0	71.0	58.5	16.2	780	7.485	285	250	285	0.503	73	134
11	15	970	160L	92.3	92.0	92.0	80.0	74.5	63.5	22.6	800	11.03	300	260	290	0.700	73	160
15	20	980	180L	92.9	93.0	93.5	84.0	80.0	71.0	29.2	800	14.89	275	230	290	1.782	77	240
18.5	25	980	200L	93.4	94.0	93.0	86.5	84.0	77.0	34.8	645	18.37	200	165	230	2.791	80	331
22	30	980	200L	93.9	94.0	93.0	85.5	82.0	74.0	41.6	695	21.84	220	180	245	3.023	80	343
30	40	980	225M	94.3	94.5	94.5	85.0	82.5	75.0	56.9	725	29.79	225	190	245	4.559	80	440
37	50	985	250M	94.6	95.0	95.0	85.0	81.5	73.0	69.9	740	36.55	175	165	275	6.011	82	572
45	60	988	280S	94.9	94.6	93.4	83.0	78.0	67.2	86.8	774	44.38	200	180	330	9.200	85	630
55	75	988	280M	95.2	94.7	93.5	83.0	78.0	67.2	106	774	54.25	200	180	330	10.00	85	740
75	100	989	315S	95.4	94.7	93.8	84.2	80.0	71.5	142	740	73.90	230	200	300	15.20	89	930
90	125	989	315M	95.6	94.8	94.0	83.5	80.0	70.0	171	730	88.68	230	200	280	16.00	89	1,030
110	150	989	315L	95.6	94.9	94.1	83.5	80.0	70.0	209	722	108.4	230	200	280	18.40	89	1,180
132	175	989	315L	95.8	95.0	94.3	83.8	80.5	71.0	250	700	130.1	220	190	260	20.40	89	1,360
160	215	990	355M	96.0	95.0	94.4	82.5	77.0	65.2	307	777	157.5	200	180	320	36.80	94	1,800
185	250	990	355M	96.1	95.0	94.4	82.5	77.0	65.3	355	763	182.1	200	180	320	40.40	94	1,920
200	270	990	355M	96.1	95.2	94.5	82.5	77.0	65.3	383	764	196.9	200	180	320	42.40	94	2,000
220	300	990	355L	96.1	95.2	94.6	83.0	77.5	68.2	419	776	216.6	200	180	300	46.00	94	2,260
250	335	990	355L	96.1	95.3	94.8	83.0	78.0	68.5	476	720	246.1	200	180	300	49.60	94	2,300
280	375	990	355L	96.1	95.4	95.0	83.5	78.5	69.0	530	725	275.6	200	180	300	55.20	94	2,370
300	402	990	355C	96.1	95.5	95.2	84.0	79.5	69.0	565	726	295.3	200	180	300	60.40	94	2,750
315	422	990	355C	96.1	95.8	95.3	83.5	79.0	68.5	596	768	310.1	200	180	320	64.40	94	2,820
355	475	990	355C	96.1	95.8	95.4	83.5	79.5	69.0	672	715	349.4	200	180	300	67.20	94	2,870
375	503	990	355C	96.1	95.8	95.5	83.5	79.0	68.5	710	730	369.1	200	180	300	68.80	94	2,900

- NOTE: 1. The above are typical values based on test according to GB/T 1032 method B, IEC 60034-2-1:2007.
 2. Tolerance according to GB 755, IEC 60034-1.
 3. Breakdown & Locked rotor torques are show as average expected voltages.
 4. Efficiency, power factor, speed and torque are the same for other voltages.
 Current values vary inversely with voltage.
 5. Noise : sound power level at no - load, dB(A), Tolerance + 3 dB(A)
 6. Data subject to change without notice.
 7. Tolerance of power factor and current for F#280-355 may reach± 5%, just for reference only

外形图 Outline

外形及安装尺寸图

安装方式: B3(IM 1001)

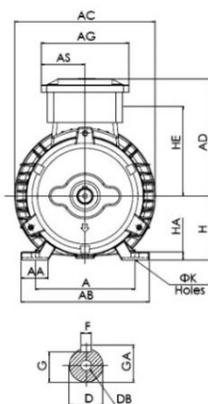


FIG 1

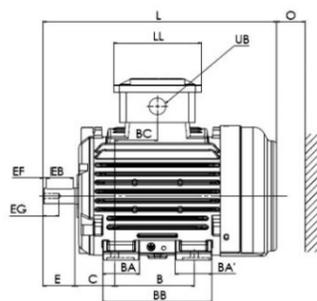


FIG 2

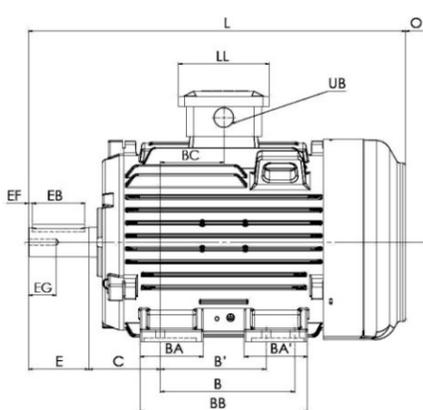
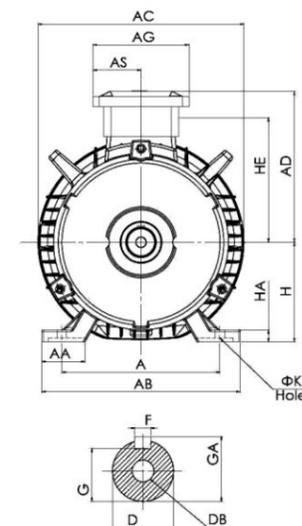
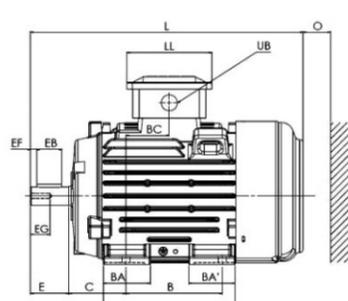
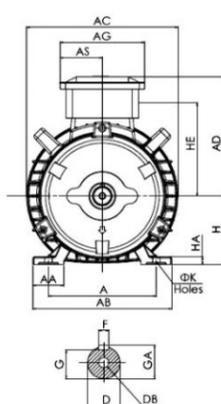


FIG 3

Dimension in mm

Output (kW)				FRAME SIZE	FIG. NO.	A	AA	AB	AC	AD	AG	AS	B	B'	BA	BA'	BB	BC	C	H	HA	HE
2P	4P	6P	---																			
0.75	0.55	---	---	80M	1	125	34.5	161	177	152	110	55	100	---	46	46	137	53.5	50	80	10	115
1.1	0.75	0.55	---	90S	2	140	40	180	197	162	110	55	100	---	67.5	67.5	161	69.5	56	90	10	125
1.5	1.1	0.75	---			140	40	180	197	162	110	55	125	---	60.5	60.5	171	74.5	56	90	10	125
2.2	1.5	1.1	---	100L	2	160	40	200	219	178.5	127	63.5	140	---	66.5	66.5	181	72.5	63	100	12	138
3	2.2	1.5	---			160	40	200	219	178.5	127	63.5	140	---	66.5	66.5	181	72.5	63	100	12	138
---	3	---	---	112M	2	190	45	235	235	191	127	63.5	140	---	65.5	65.5	186	75	70	112	13	150.5
4	4	2.2	---			190	45	235	235	191	127	63.5	140	---	65.5	65.5	186	75	70	112	13	150.5

FRAME SIZE	K	L	LL	O	UB	SHAFT EXTENSION							BEARING			
						D	E	EB	EF	EG	F	G	GA	DB	DRIVE END	OPPOSITE DRIVE END
80M	10	292	110	40	M20X1.5	19	40	32	4	16	6	15.5	21.5	M6	6204ZZ	6203ZZ
90S	10	344	110	40	M20X1.5	24	50	40	5	19	8	20	27	M8	6205ZZ	6204ZZ
90L	10	354	110	40	M20X1.5	24	50	40	5	19	8	20	27	M8	6205ZZ	6204ZZ
100L	12	391	120	50	M25X1.5	28	60	50	5	22	8	24	31	M10	6206ZZ	6205ZZ
112M	12	412.5	120	50	M25X1.5	28	60	50	5	22	8	24	31	M10	6306ZZ	6305ZZ

- Note :**
1. Tolerance of shaft end diameter D : j6.
 2. Tolerance of shaft center high H : +0, -0.5.
 3. T-Box Assy with a cable grand body.
 4. TEV1 only refers to the installation size ,the outline will be slightly different
(TEV1 仅参考安装尺寸, 外形会略有差异)

外形图 Outline

外形及安装尺寸图

安装方式: B3(IM 1001)

Dimension in mm

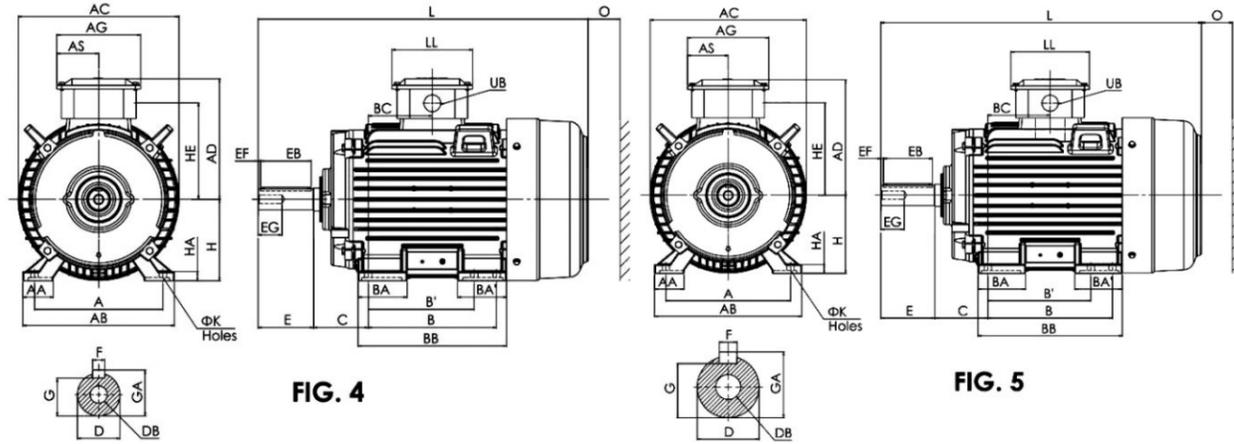
Output (kW)				FRAME SIZE	FIG. NO.	A	AA	AB	AC	AD	AG	AS	B	B'	BA	BA'	BB	BC	C	H	HA	HE	K	L
2P	4P	6P	---																					
5.5	5.5	3	---	132S	3	216	57	263	273	208.5	127	63.5	140	---	64	64	184	65	89	132	16	168	12	456
7.5	---	---	---	132M	3	216	57	263	273	208.5	127	63.5	178	140	83.5	83.5	222	84	89	132	16	168	12	494
---	7.5	4	---																					
---	---	5.5	---	132M	3	216	57	263	273	208.5	127	63.5	178	140	83.5	83.5	222	84	89	132	16	168	12	494
---	---	---	---																					

- Note :**
1. Tolerance of shaft end diameter D : k6.
 2. Tolerance of shaft center high H : +0, -0.5.
 3. T-Box Assy with a cable grand body.
 4. TEV1 only refers to the installation size ,the outline will be slightly different
(TEV1 仅参考安装尺寸, 外形会略有差异)

外形图 Outline

外形及安装尺寸图

安装方式: B3(IM 1001)



Dimension in mm

Output (kW)				FRAME SIZE	FIG. NO.	A	AA	AB	AC	AD	AG	AS	B	B'	BA	BA'	BB	BC	C	H	HA	HE	K
2P	4P	6P	---																				
11	11	7.5	---	160M	4	254	60	300	317	234	166	83	210	---	57	57	250	105	108	160	18	192	14.5
15	---	---	---			254	60	300	317	234	166	83	254	210	97	97	294	127	108	160	18	192	14.5
18.5	15	11	---	160L	5	279	65	330	354	266	166	83	241	---	65	65	292	120.5	121	180	20	218	14.5
22	18.5	---	---	180M		279	65	330	354	266	166	83	279	241	115	115	330	139.5	121	180	20	218	14.5
---	22	15	---	180L		279	65	330	354	266	166	83	279	241	115	115	330	139.5	121	180	20	218	14.5

FRAME SIZE	L	LL	O	UB	SHAFT EXTENSION								BEARING		
					D	E	EB	EF	EG	F	G	GA	DB	DRIVE END	OPPOSITE DRIVE END
160M	608	160	60	M32X1.5	42	110	100	5	36	12	37	45	M16	6309ZZ	6307ZZ
160L	652	160	60	M32X1.5	42	110	100	5	36	12	37	45	M16	6309ZZ	6307ZZ
180M	672	160	70	M32X1.5	48	110	100	5	36	14	42.5	51.5	M16	(6311ZZC3) 6311ZZ	(6310ZZC3) 6310ZZ
180L	710	160	70	M32X1.5	48	110	100	5	36	14	42.5	51.5	M16	(6311ZZC3) 6311ZZ	(6310ZZC3) 6310ZZ

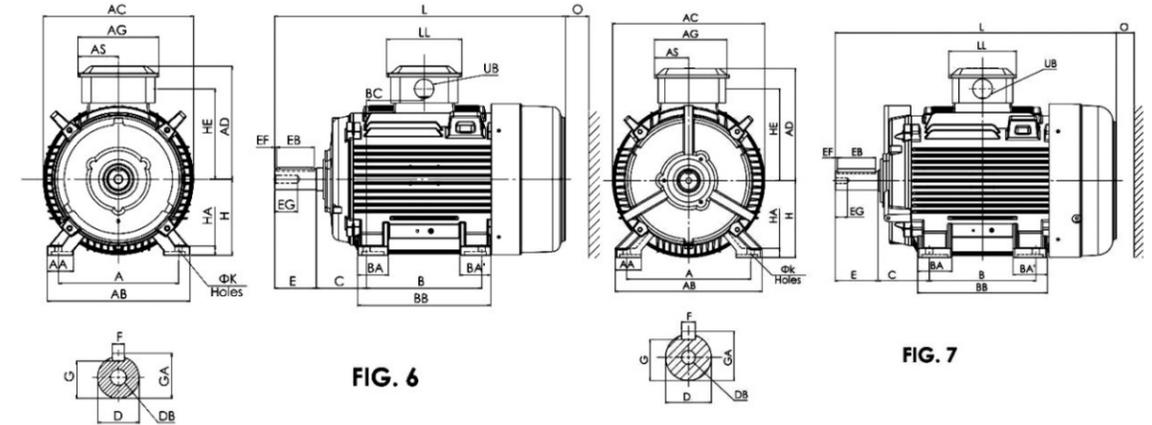
- Note :**
1. Tolerance of shaft end diameter D : $\phi 42 : k6$.
 2. Tolerance of shaft center high H : +0, -0.5.
 3. Bearing No. In () is for 2P.
 4. T-Box Assy with a cable grand body.
 5. TEV1 only refers to the installation size ,the outline will be slightly different
(TEV1 仅参考安装尺寸, 外形会略有差异)



外形图 Outline

外形及安装尺寸图

安装方式: B3(IM 1001)



Dimension in mm

Output (kW)				FRAME SIZE	FIG. NO.	A	AA	AB	AC	AD	AG	AS	B	B'	BA	BA'	BB	BC	C	H	HA	HE	K
2P	4P	6P	---																				
30	30	18.5	---	200L	6	318	70	378	398	304.5	215	107.5	305	---	82	82	353	152.5	133	200	24	241	18.5
37	---	---	---			356	75	431	449	330.5	215	107.5	286	---	98.5	98.5	371	143	149	225	28	267	18.5
---	37	---	---	225SC	6	356	75	431	449	330.5	215	107.5	311	286	110	110	396	155.5	149	225	28	267	18.5
45	---	---	---	225MA		356	75	431	449	330.5	215	107.5	311	286	110	110	396	155.5	149	225	28	267	18.5
---	45	30	---	225MC		356	75	431	449	330.5	215	107.5	311	286	110	110	396	155.5	149	225	28	267	18.5
55	---	---	---	250MA	7	406	85	480	499	372.5	249	124.5	349	---	112.5	112.5	425	174.5	168	250	30	300	24
---	55	37	---			250MC	406	85	480	499	372.5	249	124.5	349	---	112.5	112.5	425	174.5	168	250	30	300

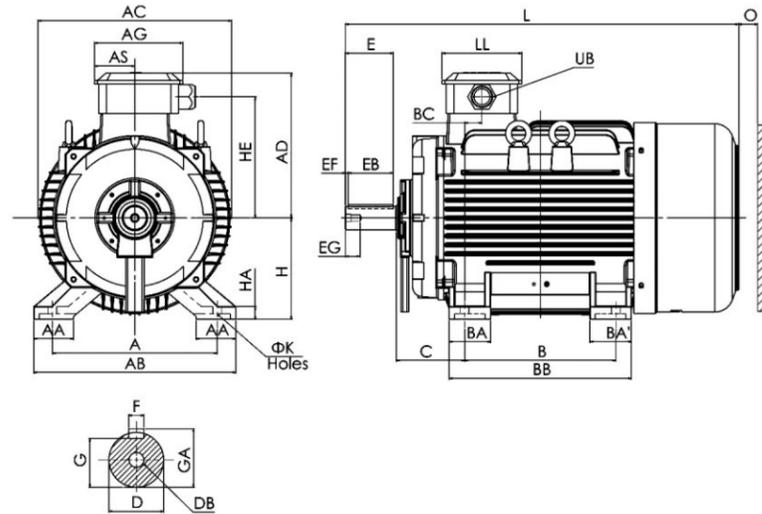
FRAME SIZE	L	LL	O	UB	SHAFT EXTENSION								BEARING		
					D	E	EB	EF	EG	F	G	GA	DB	DRIVE END	OPPOSITE DRIVE END
200L	770	199	80	M50X15	55	110	100	5	42	16	49	59	M20	(6312ZZC3) 6312ZZ	(6212ZZC3) 6212ZZ
225SC	816	199	90	M50X1.5	60	140	125	7.5	42	18	53	64	M20	(6312ZZC3) 6313ZZ	(6212ZZC3) 6213ZZ
225MA	811	199	90	M50X1.5	55	110	100	5	42	16	49	59	M20		
225MC	841	199	90	M50X1.5	60	140	125	7.5	42	18	53	64	M20	6313-ZC3 6315-Z	6313-ZC3 6313-Z
250MA	921	224	105	M63X1.5	60	140	125	7.5	42	18	53	64	M20		
250MC	921	224	105	M63X1.5	65	140	125	7.5	42	18	58	69	M20		

- Note :**
1. Tolerance of shaft end diameter D : m6.
 2. Tolerance of shaft center high H : +0, -0.5.
 3. Bearing No. In () is for 2P.
 4. T-Box Assy with a cable grand body.
 5. TEV1 only refers to the installation size ,the outline will be slightly different
(TEV1 仅参考安装尺寸, 外形会略有差异)

外形图 Outline

外形及安装尺寸图

安装方式: B3(IM 1001)



Dimension in mm

Output (kW)				FRAME SIZE	A	AA	AB	AC	AD	AG	AS	B	BA	BA'	BB	BC	C	H	HA	HE	K
2P	4P	6P	---																		
75	---	---	---	280SA	457	110	560	546	408.5	249	124.5	368	110	110	455	48	190	280	35	336	24
---	75	45	---	280SB	457	110	560	546	408.5	249	124.5	368	110	110	455	48	190	280	35	336	24
90	---	---	---	280MA	457	110	560	546	408.5	249	124.5	419	115	115	505	48	190	280	35	336	24
---	90	55	---	280MB	457	110	560	546	408.5	249	124.5	419	115	115	505	48	190	280	35	336	24
FRAME SIZE	L	LL	O	UB	SHAFT EXTENSION								BEARING								
					D	E	EB	EF	EG	F	G	GA	DB	DRIVE END	OPPOSITE DRIVE END						
280SA	1037.5	224	140	M63X1.5	65	140	125	7.5	40	18	58	69	M20	6314C3	6314C3						
280SB	1037.5	224	140	M63X1.5	75	140	125	7.5	40	20	67.5	79.5	M20	6318C3	6316C3						
280MA	1087.5	224	140	M63X1.5	65	140	125	7.5	40	18	58	69	M20	6314C3	6314C3						
280MB	1087.5	224	140	M63X1.5	75	140	125	7.5	40	20	67.5	79.5	M20	6318C3	6316C3						

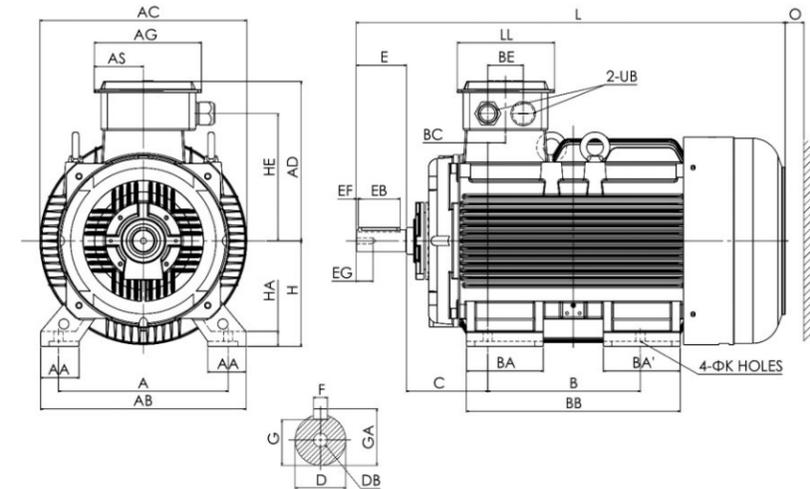
- Note :**
1. Tolerance of Shaft End Diameter D : m6
 2. Tolerance of Shaft Center Height H: +0, -1
 3. Tolerance of Key Width F : h9
 4. T-Box Assy with a cable grand body.
 5. TEV1 only refers to the installation size ,the outline will be slightly different
(TEV1 仅参考安装尺寸, 外形会略有差异)



安装方式: B3(IM 1001)

外形图 Outline

外形及安装尺寸图



Dimension in mm

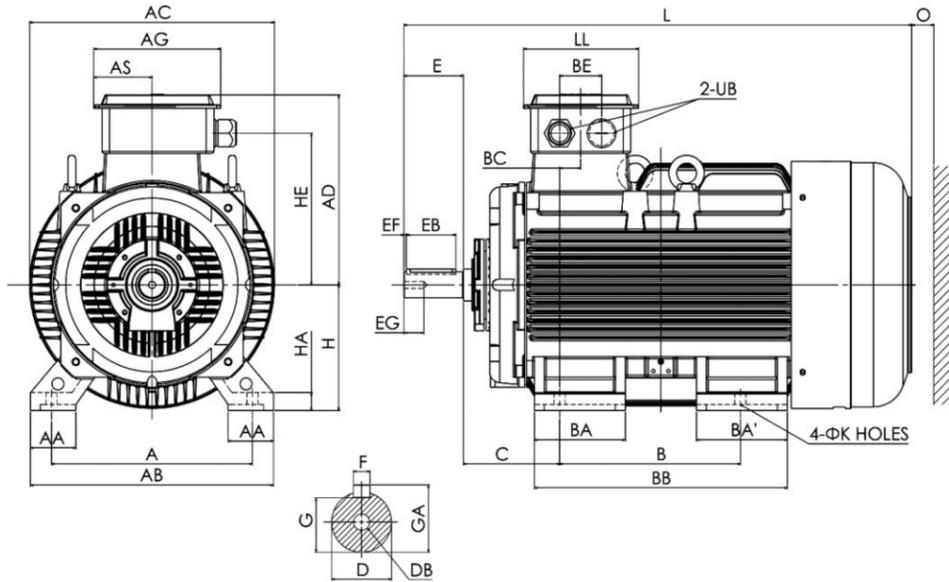
Output (kW)				FRAME SIZE	A	AA	AB	AC	AD	AG	AS	B	BA	BA'	BB	BC	BE	C	H	HA	HE
2P	4P	6P	---																		
110	---	---	---	315SA	508	115	615	560	456.5	318	144	406	180	180	580	53	106	216	315	35	359
---	110	75	---	315SB	508	115	615	560	456.5	318	144	406	180	180	580	53	106	216	315	35	359
FRAME SIZE	K	L	LL	O	UB	SHAFT EXTENSION								BEARING							
						D	E	EB	EF	EG	F	G	GA	DB	DRIVE END	OPPOSITE DRIVE END					
315SA	28	1162	288	180	M63X1.5	65	140	125	7.5	40	18	58	69	M20	6316C3	6314C3					
315SB	28	1192	288	180	M63X1.5	80	170	160	5	40	22	71	85	M20	6320C3	6316C3					

- Note :**
1. Tolerance of Shaft End Diameter D : m6
 2. Tolerance of Shaft Center Height H : +0, -1
 3. Tolerance of Key Width F : h9
 4. T-Box Assy with two cable grand bodys.
 5. TEV1 only refers to the installation size ,the outline will be slightly different
(TEV1 仅参考安装尺寸, 外形会略有差异)

外形图 Outline

外形及安装尺寸图

安装方式: B3(IM 1001)



Dimension in mm

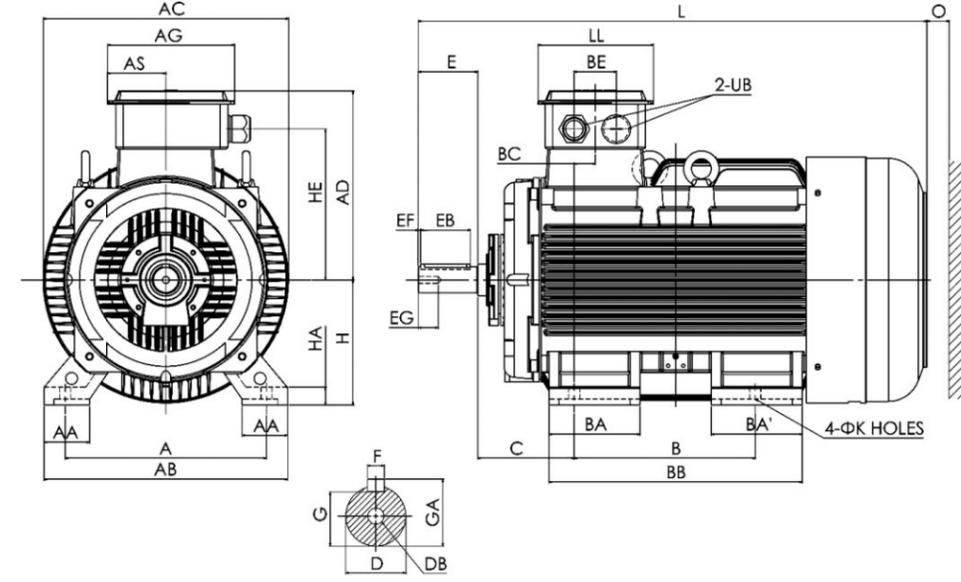
Output (kW)				FRAME SIZE	A	AA	AB	AC	AD	AG	AS	B	BA	BA'	BB	BC	BE	C	H	HA	HE
2P	4P	6P	---																		
132	---	---	---	315MA	508	115	630	620	481.5	318	144	457	230	230	640	53	106	216	315	45	384
---	132	90	---	315MB	508	115	630	620	481.5	318	144	457	230	230	640	53	106	216	315	45	384
FRAME SIZE	K	L	LL	O	UB	SHAFT EXTENSION								BEARING							
						D	E	EB	EF	EG	F	G	GA	DB	DRIVE END	OPPOSITE DRIVE END					
315MA	28	1246	288	180	M63X1.5	65	140	125	7.5	40	18	58	69	M20	6316C3	6314C3					
315MB	28	1276	288	180	M63X1.5	80	170	160	5	40	22	71	85	M20	6320C3	6316C3					

- Note :**
1. Tolerance of Shaft End Diameter D : m6
 2. Tolerance of Shaft Center Height H : +0, -1
 3. Tolerance of Key Width F : h9
 4. T-Box Assy with two cable grand bodys.
 5. TEV1 only refers to the installation size ,the outline will be slightly different
(TEV1 仅参考安装尺寸, 外形会略有差异)

外形图 Outline

外形及安装尺寸图

安装方式: B3(IM 1001)



Dimension in mm

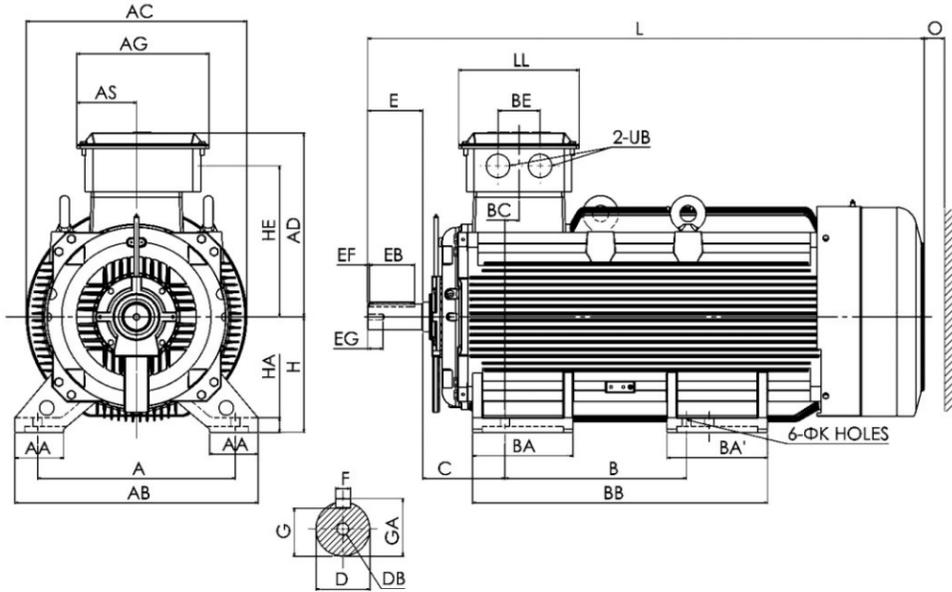
Output (kW)				FRAME SIZE	A	AA	AB	AC	AD	AG	AS	B	BA	BA'	BB	BC	BE	C	H	HA	HE
2P	4P	6P	---																		
160	---	---	---	315LA	508	130	630	620	481.5	318	144	508	230	230	740	53	106	216	315	45	384
---	160	110	---	315LB	508	130	630	620	481.5	318	144	508	230	230	740	53	106	216	315	45	384
---	200	132	---	315LB	508	130	630	620	481.5	318	144	508	230	230	740	53	106	216	315	45	384
FRAME SIZE	K	L	LL	O	UB	SHAFT EXTENSION								BEARING							
						D	E	EB	EF	EG	F	G	GA	DB	DRIVE END	OPPOSITE DRIVE END					
315LA	28	1346	288	180	M63X1.5	65	140	125	7.5	40	18	58	69	M20	6316C3	6314C3					
315LB	28	1376	288	180	M63X1.5	80	170	160	5	40	22	71	85	M20	6320C3	6316C3					

- Note :**
1. Tolerance of Shaft End Diameter D : m6
 2. Tolerance of Shaft Center Height H : +0, -1
 3. Tolerance of Key Width F : h9
 4. T-Box Assy with two cable grand bodys.
 5. TEV1 only refers to the installation size ,the outline will be slightly different
(TEV1 仅参考安装尺寸, 外形会略有差异)

外形图 Outline

外形及安装尺寸图

安装方式: B3(IM 1001)



Dimension in mm

Output (kW)				FRAME SIZE	A	AA	AB	AC	AD	AG	AS	B	BA	BA'	BB	BC	BE	C	H	HA
2P	4P	6P	---																	
250	---	---	---	355MA	610	150	750	682	573	408	184	560	310	310	910	43	130	254	355	45
---	250	160 200	---	355MB	610	150	750	682	573	408	184	560	310	310	910	43	130	254	355	45
FRAME SIZE	HE	K	L	LL	O	UB	SHAFT EXTENSION						BEARING							
							D	E	EB	EF	EG	F	G	GA	DB	DRIVE END	OPPOSITE DRIVE END			
355MA	469	28	1687	372	230	M72X2	75	140	125	7.5	40	20	67.5	79.5	M20	6317C3	6317C3			
355MB	469	28	1717	372	230	M72X2	95	170	160	5	48	25	86	100	M24	6322C3	6322C3			

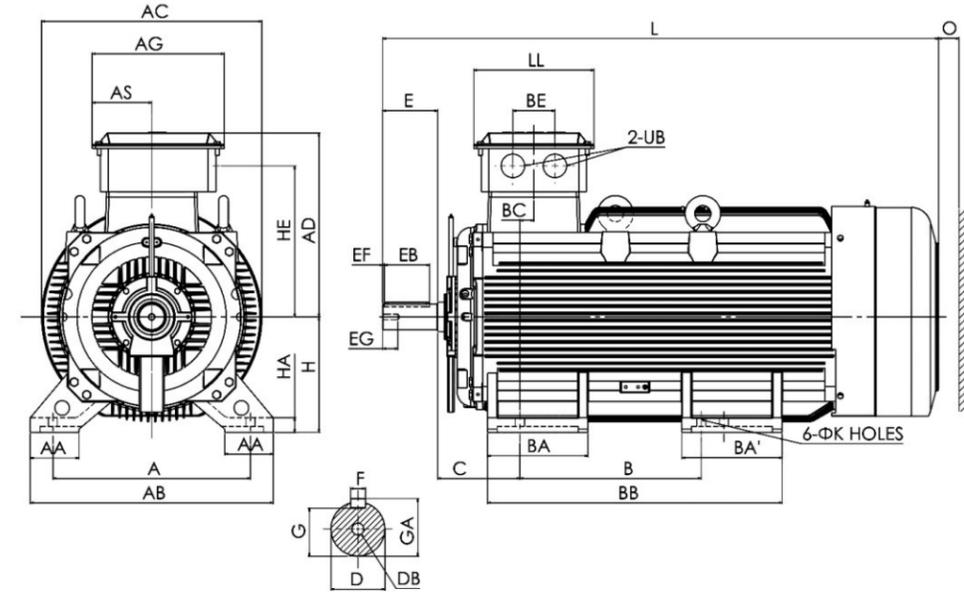
- Note :**
1. Tolerance of Shaft End Diameter D : m6
 2. Tolerance of Shaft Center Height H : +0, -1
 3. Tolerance of Key Width F : h9
 4. T-Box Assy with two cable grand bodys.
 5. TEV1 only refers to the installation size ,the outline will be slightly different
(TEV1 仅参考安装尺寸, 外形会略有差异)



安装方式: B3(IM 1001)

外形图 Outline

外形及安装尺寸图



Dimension in mm

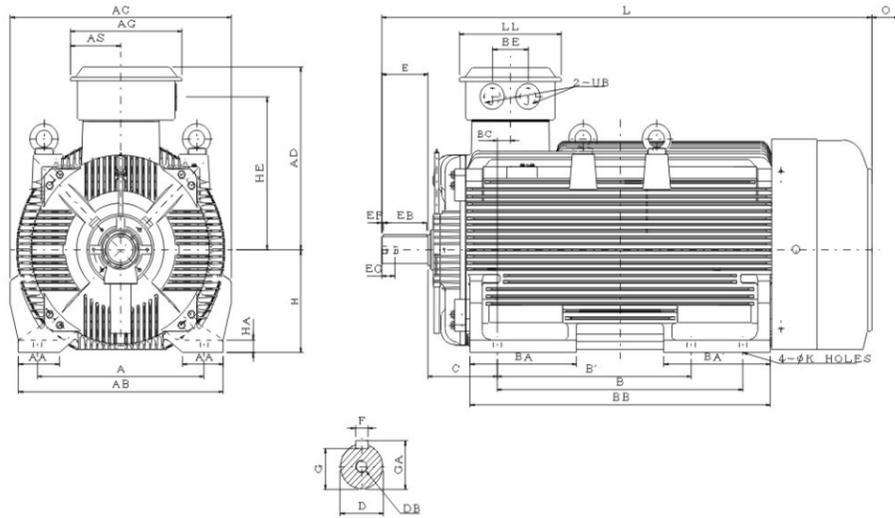
Output (kW)				FRAME SIZE	A	AA	AB	AC	AD	AG	AS	B	BA	BA'	BB	BC	BE	C	H	HA
2P	4P	6P	---																	
315	---	---	---	355LA	610	150	750	682	573	408	184	630	310	310	910	43	130	254	355	45
---	315	250	---	355LB	610	150	750	682	573	408	184	630	310	310	910	43	130	254	355	45
FRAME SIZE	HE	K	L	LL	O	UB	SHAFT EXTENSION						BEARING							
							D	E	EB	EF	EG	F	G	GA	DB	DRIVE END	OPPOSITE DRIVE END			
355LA	469	28	1687	372	230	M72X2	75	140	125	7.5	40	20	67.5	79.5	M20	6317C3	6317C3			
355LB	469	28	1717	372	230	M72X2	95	170	160	5	48	25	86	100	M24	6322C3	6322C3			

- Note :**
1. Tolerance of Shaft End Diameter D : m6
 2. Tolerance of Shaft Center Height H : +0, -1
 3. Tolerance of Key Width F : h9
 4. T-Box Assy with two cable grand bodys.
 5. TEV1 only refers to the installation size ,the outline will be slightly different
(TEV1 仅参考安装尺寸, 外形会略有差异)

外形图 Outline

外形及安装尺寸图

安装方式: B3(IM 1001)



Dimension in mm

Output (kW)				FRAME SIZE	A	AA	AB	AC	AD	AG	AS	B'	B	BA	BA'	BB	BC	BE	C	H	HA	
2P	4P	6P	8P																			
355	---	---	---	355CA	610	150	750	810	633	408	184	710	900	390	390	1100	48	180	254	355	45	
400	---	---	---	355CB	610	150	750	810	633	408	184	710	900	390	390	1100	48	180	254	355	45	
---	355	315	250	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
---	400	355	315	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
FRAME SIZE	HE	K	L	LL	O	UB	SHAFT EXTENSION							BEARING								
							D	E	EB	EF	EG	F	G	GA	DB	DRIVE END	OPPOSITE DRIVE END					
355CA	529	28	1765	372	230	M72X2	75	140	125	7.5	40	20	67.5	79.5	M20	6317C3	6317C3					
355CB	529	28	1795	372	230	M72X2	95	170	160	5	48	25	86	100	M24	6322C3	6317C3					

- Note :**
1. Tolerance of Shaft End Diameter D : m6
 2. Tolerance of Shaft Center Height H : +0, -1
 3. Tolerance of Key Width F : h9
 4. T-Box Assy with two cable grand bodies.
 5. TEV1 only refers to the installation size ,the outline will be slightly different
(TEV1 仅参考安装尺寸, 外形会略有差异)



安装方式: B5(IM 3001)

外形图 Outline

外形及安装尺寸图

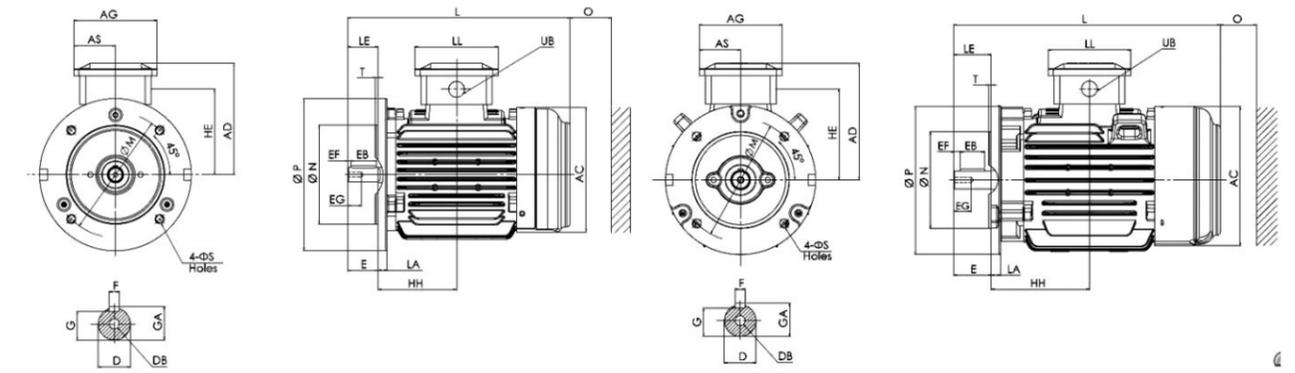


FIG.1

FIG.2

Dimension in mm

Output (kW)				FRAME SIZE	FIG. NO.	FLANGE DIMENSION							AC	AD	AG	AS	HE	HH	L	
2P	4P	6P	---			LA	LE	M	N	P	S	T								
0.75	0.55	---	---	80M	1	12	40	165	130	200	12	3-5	177	152	110	55	115	103.5	292	
1.1	0.75	0.55	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1.5	1.1	0.75	---	90S	2	12	50	165	130	200	12	3.5	197	162	110	55	125	125.5	344	
2.2	1.5	1.1	---	90L		12	50	165	130	200	12	3.5	197	162	110	55	125	130.5	354	
FRAME SIZE	LL	O	UB	SHAFT EXTENSION							BEARING									
				D	E	EB	EF	EG	F	G	GA	DB	DRIVE END	OPPOSITE DRIVE END						
80M	110	40	M20X1.5	19	40	32	4	16	6	15.5	21.5	M6	6204ZZ	6203ZZ						
90S	110	40	M20X1.5	24	50	40	5	19	8	20	27	M8	6205ZZ	6204ZZ						
90L	110	40	M20X1.5	24	50	40	5	19	8	20	27	M8	6205ZZ	6204ZZ						

- Note :**
1. Tolerance of shaft end diameter D: j6.
 2. Tolerance of N : j6.
 3. T-Box Assy with a cable grand body.
 4. TEV1 only refers to the installation size ,the outline will be slightly different
(TEV1 仅参考安装尺寸, 外形会略有差异)

外形图 Outline

外形及安装尺寸图

安装方式: B5(IM 3001)

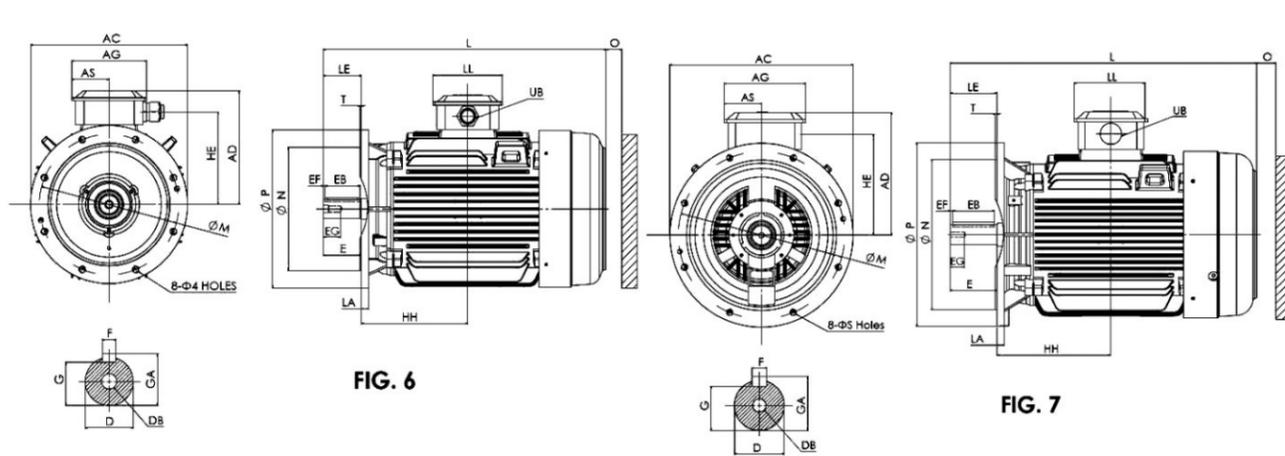


FIG. 6

FIG. 7

Dimension in mm

Output (kW)				FRAME SIZE	FIG. NO.	FLANGE DIMENSION								AC	AD	AG	AS	HE	HH	L
2P	4P	6P	---			LA	LE	M	N	P	S	T								
---	37	---	---	225SC	6	20	140	400	350	450	18.5	5	450	330.5	215	107.5	267	292	816	
45	---	---	---	225MA		20	110	400	350	450	18.5	5	450	330.5	215	107.5	267	304.5	811	
---	45	30	---	225MC		20	140	400	350	450	18.5	5	450	330.5	215	107.5	267	304.5	841	
55	---	---	---	250MA	7	22	140	500	450	550	18.5	5	550	372.5	249	124.5	300	342.5	921	
---	55	37	---	250MC		22	140	500	450	550	18.5	5	550	372.5	249	124.5	300	342.5	921	

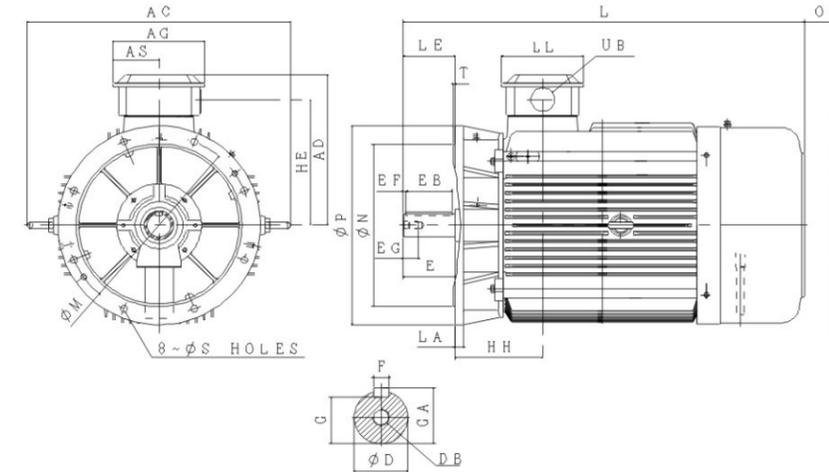
FRAME SIZE	LL	O	UB	SHAFT EXTENSION								BEARING		
				D	E	EB	EF	EG	F	G	GA	DB	DRIVE END	OPPOSITE DRIVE END
225SC	199	90	M50X1.5	60	140	125	7.5	42	18	53	64	M20	(6312ZZC3) 6313ZZ	(6212ZZC3) 6213ZZ
225MA	199	90	M50X1.5	55	110	100	5	42	16	49	59	M20		
225MC	199	90	M50X1.5	60	140	125	7.5	42	18	53	64	M20		
250MA	224	105	M63X1.5	60	140	125	7.5	42	18	53	64	M20	6313-ZC3	6313-ZC3
250MC	224	105	M63X1.5	65	140	125	7.5	42	18	58	69	M20	6315-Z	6313-Z

- Note :**
1. Tolerance of shaft end diameter D : m6.
 2. Tolerance of N : j6.
 3. Bearing No. In () is for 2P.
 4. T-Box Assy with a cable grand body.
 5. TEV1 only refers to the installation size ,the outline will be slightly different
(TEV1 仅参考安装尺寸, 外形会略有差异)

外形图 Outline

外形及安装尺寸图

安装方式: B5(IM 3001)



Dimension in mm

Output (kW)				FRAME SIZE	FLANGE DIMENSION								AC	AD	AG	AS	HE	HH	L
2P	4P	6P	---		LA	LE	M	N	P	S	T								
75	---	---	---	280SA	22	140	500	450	550	18.5	5	709	408.5	249	124.5	335	238	1037.5	
---	75	45	---	280SB	22	140	500	450	550	18.5	5	709	408.5	249	124.5	335	238	1037.5	
90	---	---	---	280MA	22	140	500	450	550	18.5	5	709	408.5	249	124.5	335	238	1087.5	
---	90	55	---	280MB	22	140	500	450	550	18.5	5	709	408.5	249	124.5	335	238	1087.5	

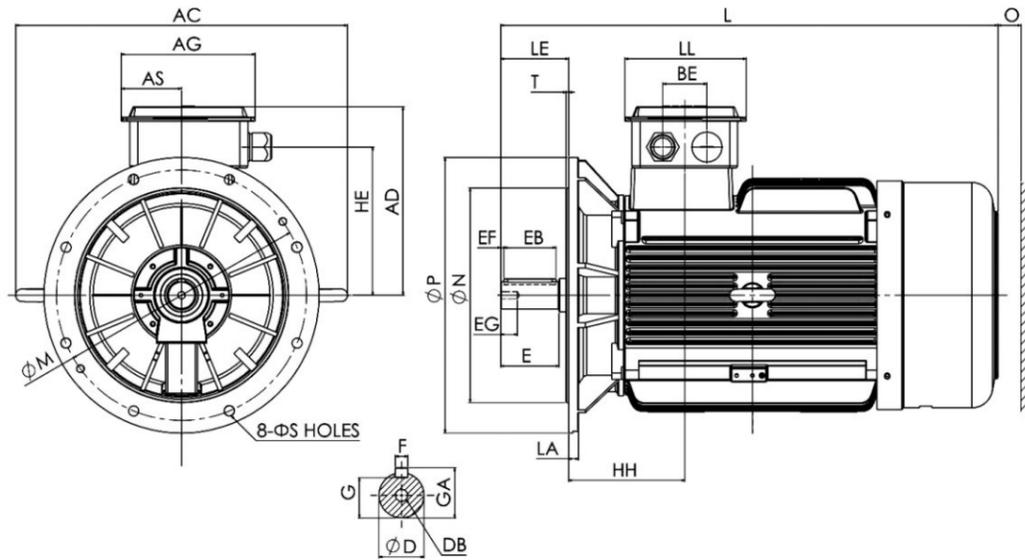
FRAME SIZE	LL	O	UB	SHAFT EXTENSION								BEARING		
				D	E	EB	EF	EG	F	G	GA	DB	DRIVE END	OPPOSITE DRIVE END
280SA	224	140	M63X1.5	65	140	125	7.5	40	18	58	69	M20	6314C3	6314C3
280SB	224	140	M63X1.5	75	140	125	7.5	40	20	67.5	79.5	M20	6318C3	6316C3
280MA	224	140	M63X1.5	65	140	125	7.5	40	18	58	69	M20	6314C3	6314C3
280MB	224	140	M63X1.5	75	140	125	7.5	40	20	67.5	79.5	M20	6318C3	6316C3

- Note :**
1. Tolerance of Shaft End Diameter D : m6
 2. Tolerance of Key Width F : h9
 3. Tolerance of N : j6
 4. T-Box Assy with a cable grand body.
 5. TEV1 only refers to the installation size ,the outline will be slightly different
(TEV1 仅参考安装尺寸, 外形会略有差异)

外形图 Outline

外形及安装尺寸图

安装方式: B5(IM 3001)



Dimension in mm

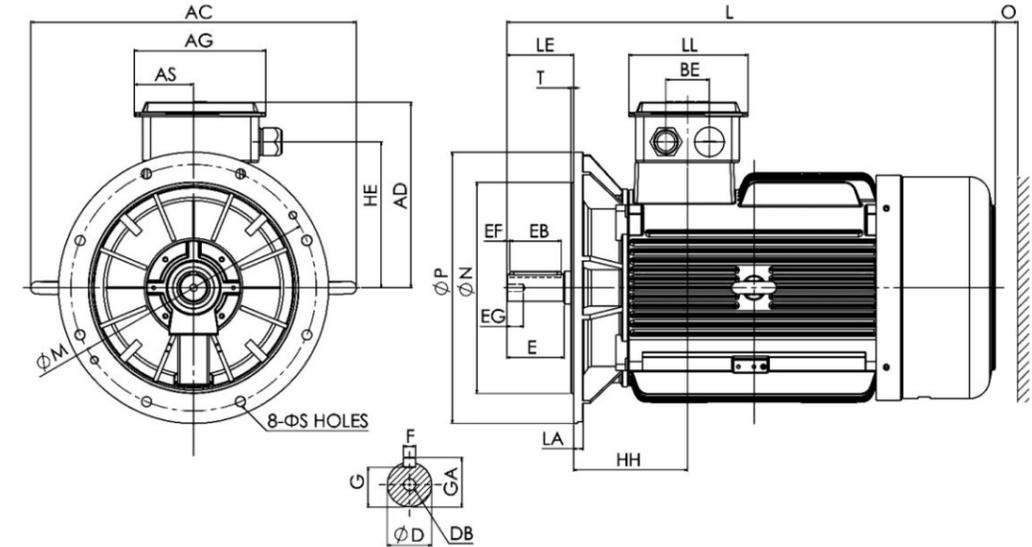
Output (kW)				FRAME SIZE	FLANGE DIMENSION								AC	AD	AG	AS	BE	HE	HH	L	LL	O
2P	4P	6P	---		LA	LE	M	N	P	S	T											
110	---	---	---	315SA	25	140	600	550	660	24	6	715	456.5	318	144	106	359	269	1162	288	180	
---	110	75	---	315SB	25	170	600	550	660	24	6	715	456.5	318	144	106	359	269	1192	288	180	
FRAME SIZE	UB	SHAFT EXTENSION										BEARING										
		D	E	EB	EF	EG	F	G	GA	DB	DRIVE END	OPPOSITE DRIVE END										
315SA	M63X1.5	65	140	125	7.5	40	18	58	69	M20	6316C3	6314C3										
315SB	M63X1.5	80	170	160	5	40	22	71	85	M20	6320C3	6316C3										

- Note :**
1. Tolerance of Shaft End Diameter D : m6
 2. Tolerance of Key Width F : h9
 3. Tolerance of N : js6
 4. T-Box Assy with two cable grand bodys.
 5. TEV1 only refers to the installation size ,the outline will be slightly different
(TEV1 仅参考安装尺寸, 外形会略有差异)

外形图 Outline

外形及安装尺寸图

安装方式: B5(IM 3001)



Dimension in mm

Output (kW)				FRAME SIZE	FLANGE DIMENSION								AC	AD	AG	AS	BE	HE	HH	L	LL	O
2P	4P	6P	---		LA	LE	M	N	P	S	T											
132	---	---	---	315MA	25	140	600	550	660	24	6	769	481.5	318	144	106	384	269	1246	288	180	
---	132	90	---	315MB	25	170	600	550	660	24	6	769	481.5	318	144	106	384	269	1276	288	180	
FRAME SIZE	UB	SHAFT EXTENSION										BEARING										
		D	E	EB	EF	EG	F	G	GA	DB	DRIVE END	OPPOSITE DRIVE END										
315MA	M63X1.5	65	140	125	7.5	40	18	58	69	M20	6316C3	6314C3										
315MB	M63X1.5	80	170	160	5	40	22	71	85	M20	6320C3	6316C3										

- Note :**
1. Tolerance of Shaft End Diameter D : m6
 2. Tolerance of Key Width F : h9
 3. Tolerance of N : js6
 4. T-Box Assy with two cable grand bodys.
 5. TEV1 only refers to the installation size ,the outline will be slightly different
(TEV1 仅参考安装尺寸, 外形会略有差异)

外形图 Outline

外形及安装尺寸图

安装方式: B35(IM 2001)

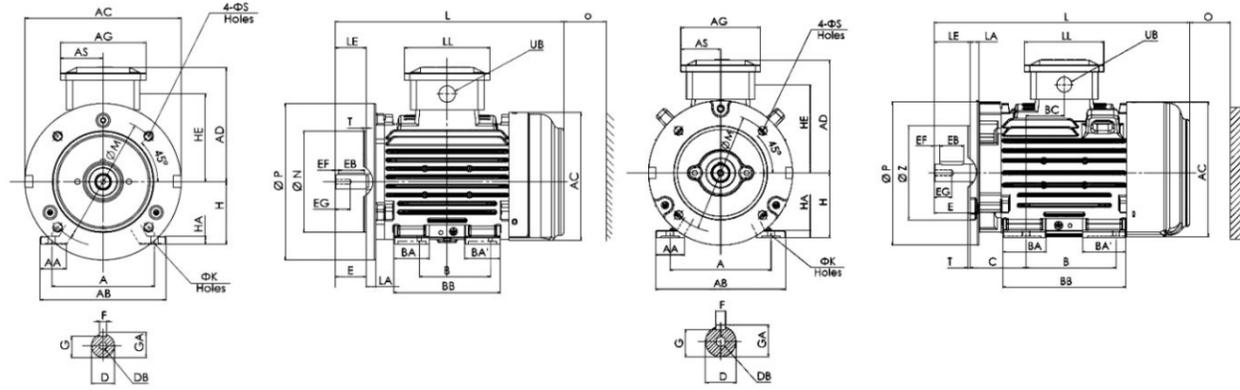


FIG.1

FIG.2

Dimension in mm

Output (kW)				FRAME SIZE	FIG. NO.	FLANGE DIMENSION								SHAFT EXTENSION								BEARING																				
2P	4P	6P	---			LA	LE	M	N	P	S	T	A	AA	AB	AC	AD	AG	AS	B	B'	BA	BA'	BB	BC	C	H	D	E	EB	EF	EG	F	G	GA	DB	DRIVE END	OPPOSITE DRIVE END				
0.75	0.55	---	---	80M	1	12	40	165	130	200	12	3.5	125	34.5	161	177	152	110	55	100	---	46	46	137	53.5	50	80															
1.1	0.75	0.55	---			12	50	165	130	200	12	3.5	140	40	180	197	162	110	55	100	---	67.5	67.5	161	69.5	56	90															
1.5	1.1	0.75	---	90S	2	12	50	165	130	200	12	3.5	140	40	180	197	162	110	55	100	---	67.5	67.5	161	69.5	56	90															
2.2	1.5	1.1	---			12	50	165	130	200	12	3.5	140	40	180	197	162	110	55	125	---	60.5	60.5	171	74.5	56	90															
				90L																																						

- Note :**
1. Tolerance of shaft end diameter D: j6.
 2. Tolerance of shaft center high H : +0, -0.5.
 3. Tolerance of N : j6.
 4. T-Box Assy with a cable grand body.
 5. TEV1 only refers to the installation size ,the outline will be slightly different (TEV1 仅参考安装尺寸, 外形会略有差异)



安装方式: B35(IM 2001)

外形图 Outline

外形及安装尺寸图

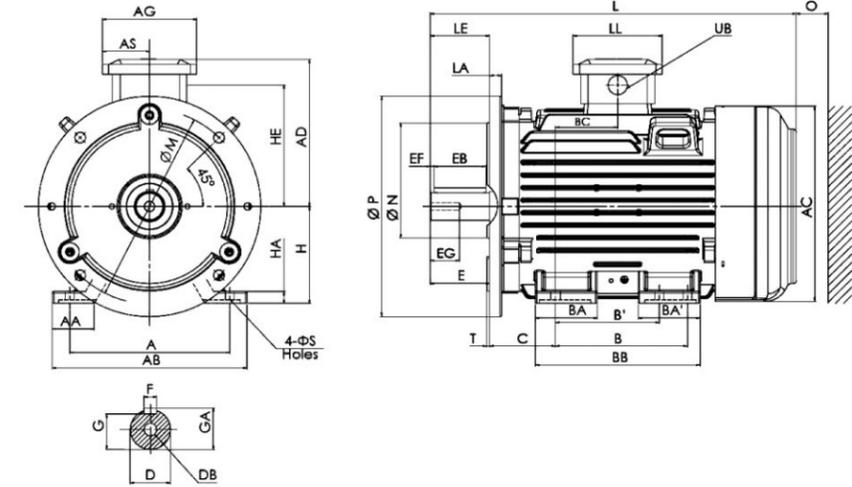


FIG.3

Dimension in mm

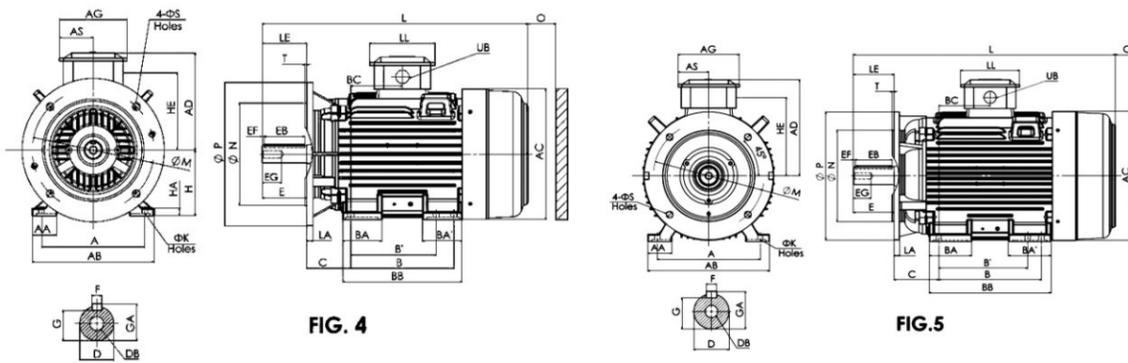
Output (kW)				FRAME SIZE	FIG. NO.	FLANGE DIMENSION								SHAFT EXTENSION								BEARING																				
2P	4P	6P	---			LA	LE	M	N	P	S	T	A	AA	AB	AC	AD	AG	AS	B	B'	BA	BA'	BB	BC	C	D	E	EB	EF	EG	F	G	GA	DB	DRIVE END	OPPOSITE DRIVE END					
3	2.2	1.5	---	100L		16	60	215	180	250	14.5	4	160	40	200	219	178.5	127	63.5	140	66.5	66.5	181	181	72.5	63																
---	3	---	---			15	60	215	180	250	14.5	4	190	45	235	235	191	127	63.5	140	65.5	65.5	186	186	75	70																
4	4	2.2	---	112M		16	80	265	230	300	14.5	4	216	57	263	273	208.5	127	63.5	140	64	64	184	184	65	89																
5.5	5.5	3	---			16	80	265	230	300	14.5	4	216	57	263	273	208.5	127	63.5	178	83.5	83.5	222	222	84	89																
---	7.5	4	---	132M		16	80	265	230	300	14.5	4	216	57	263	273	208.5	127	63.5	178	83.5	83.5	222	222	84	89																
---	---	5.5	---			16	80	265	230	300	14.5	4	216	57	263	273	208.5	127	63.5	178	83.5	83.5	222	222	84	89																

- Note :**
1. Tolerance of shaft end diameter D : $\phi 28 : j6$, $\phi 38 : k6$.
 2. Tolerance of shaft center high H : +0, -0.5.
 3. Tolerance of N : j6.
 4. T-Box Assy with a cable grand body.
 5. TEV1 only refers to the installation size ,the outline will be slightly different (TEV1 仅参考安装尺寸, 外形会略有差异)

外形图 Outline

外形及安装尺寸图

安装方式: B35(IM 2001)

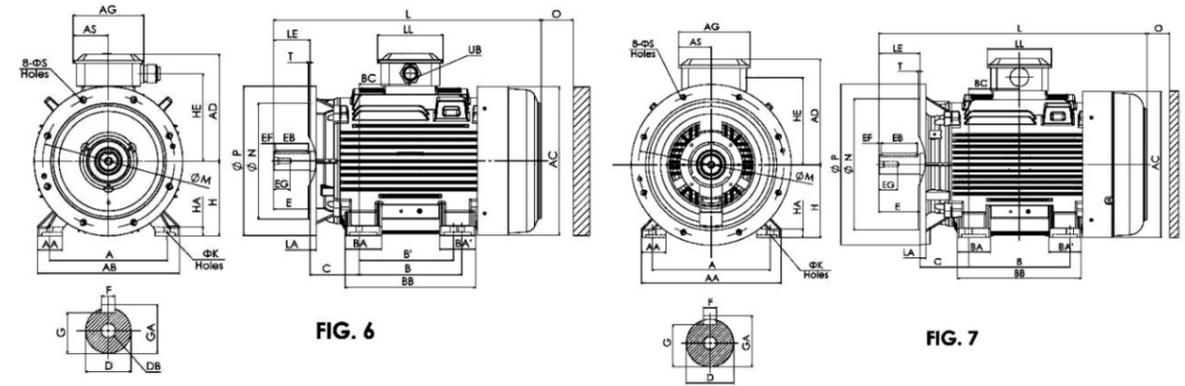


外形图 Outline

外形及安装尺寸图



安装方式: B35(IM 2001)



Dimension in mm

Output (kW)				FRAME SIZE	FIG. NO.	FLANGE DIMENSION							A	AA	AB	AC	AD	AG	AS	B	B'	BA	BA'	BB	
2P	4P	6P	---			LA	LE	M	N	P	S	T													
11	15	11	7.5	---	160M	4	15	110	300	250	350	18.5	5	254	60	300	318	234	166	83	210	---	57	57	256
18.5	15	11	---	160L	15		110	300	250	350	18.5	5	254	60	300	318	234	166	83	254	210	97	97	300	
22	18.5	---	---	180M	5	15	110	300	250	350	18.5	5	279	65	330	354	266	166	83	241	---	65	65	292	
---	22	15	---	180L		15	110	300	250	350	18.5	5	279	65	330	354	266	166	83	279	241	115	115	330	
30	37	30	18.5	22	200L	7	17	110	350	300	400	18.5	5	318	70	378	398	304.5	215	107.5	305	---	82	82	353

FRAME SIZE	BC	C	H	HA	HE	K	L	LL	O	UB	SHAFT EXTENSION								BEARING		
											D	E	EB	EF	EG	F	G	GA	DB	DRIVE END	OPPOSITE DRIVE END
160M	105	108	160	18	192	14.5	608	160	60	M32X1.5	42	110	100	5	36	12	37	45	M16	6309ZZ	6307ZZ
160L	127	108	160	18	192	14.5	652	160	60	M32X1.5	42	110	100	5	36	12	37	45	M16	6309ZZ	6307ZZ
180M	120.5	121	180	20	218	14.5	672	160	70	M32X1.5	48	110	100	5	36	14	42.5	51.5	M16	(6311ZZC3)	(6310ZZC3)
180L	139.5	121	180	20	218	14.5	710	160	70	M32X1.5	48	110	100	5	36	14	42.5	51.5	M16	6311ZZ	6310ZZ
200L	152.5	133	200	24	241	18.5	770	199	80	M50X1.5	55	110	100	5	42	16	49	59	M20	(6312ZZC3)	(6212ZZC3)

- Note :**
1. Tolerance of shaft end diameter D : a) $\phi 42 \sim \phi 48 : k6$; b) $\phi 55 : m6$.
 2. Tolerance of shaft center high H : +0, -0.5.
 3. Tolerance of N : j6.
 4. Bearing No. In () is for 2P.
 5. T-Box Assy with a cable grand body.
 6. TEV1 only refers to the installation size ,the outline will be slightly different (TEV1 仅参考安装尺寸, 外形会略有差异)

Dimension in mm

Output (kW)				FRAME SIZE	FIG. NO.	FLANGE DIMENSION							A	AA	AB	AC	AD	AG	AS	B	B'	BA	BA'	BB	BC
2P	4P	6P	---			LA	LE	M	N	P	S	T													
---	37	---	---	225SC	6	20	140	400	350	450	18.5	5	356	75	431	449	330.5	215	107.5	286	---	98.5	98.5	371	143
45	---	---	---	225MA		20	110	400	350	450	18.5	5	356	75	431	449	330.5	215	107.5	311	286	110	110	396	155.5
---	45	30	---	225MC	7	20	140	400	350	450	18.5	5	356	75	431	449	330.5	215	107.5	311	286	110	110	396	155.5
55	---	---	---	250MA		22	140	500	450	550	18.5	5	406	85	480	499	372.5	249	124.5	349	---	112.5	112.5	425	174.5
---	55	37	---	250MC	22	140	500	450	550	18.5	5	406	85	480	499	372.5	249	124.5	349	---	112.5	112.5	425	174.5	

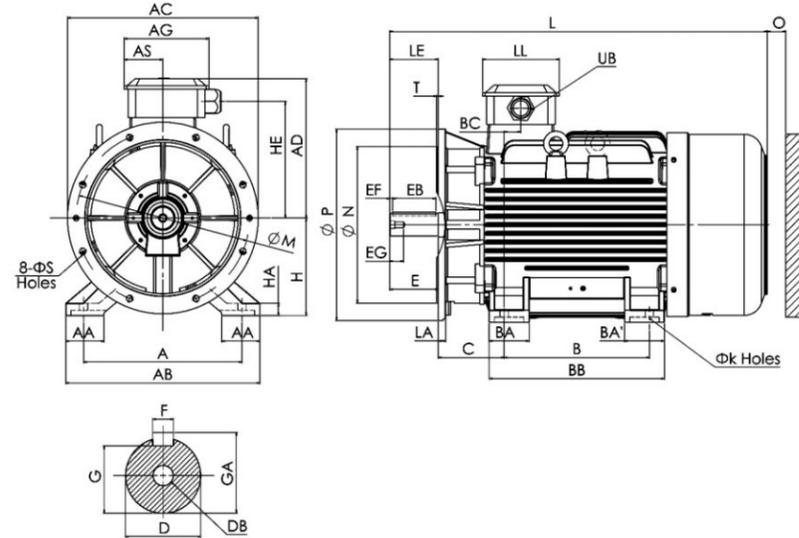
FRAME SIZE	C	H	HA	HE	K	L	LL	O	UB	SHAFT EXTENSION								BEARING		
										D	E	EB	EF	EG	F	G	GA	DB	DRIVE END	OPPOSITE DRIVE END
225SC	149	225	28	267	18.5	816	199	90	M50X1.5	60	140	125	7.5	42	18	53	64	M20	(6312ZZC3) 6313ZZ	(6212ZZC3) 6213ZZ
225MA	149	225	28	267	18.5	811	199	90	M50X1.5	55	110	100	5	42	16	49	59	M20		
225MC	149	225	28	267	18.5	841	199	90	M50X1.5	60	140	125	7.5	42	18	53	64	M20		
250MA	168	250	30	300	24	921	224	105	M63X1.5	60	140	125	7.5	42	18	53	64	M20	6313-ZC3	6313-ZC3
250MC	168	250	30	300	24	921	224	105	M63X1.5	65	140	125	7.5	42	18	58	69	M20	6315-Z	6313-Z

- Note :**
1. Tolerance of shaft end diameter D : m6.
 2. Tolerance of shaft center high H : +0, -0.5.
 3. Tolerance of N : j6.
 4. Bearing No. In () is for 2P.
 5. TEV1 only refers to the installation size ,the outline will be slightly different (TEV1 仅参考安装尺寸, 外形会略有差异)

外形图 Outline

外形及安装尺寸图

安装方式: B35(IM 2001)



Dimension in mm

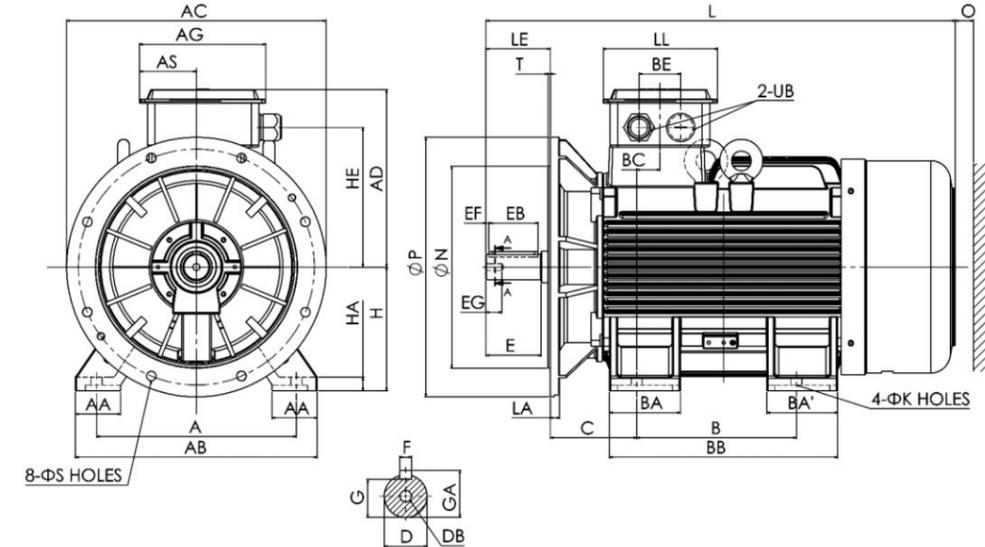
Output (kW)				FRAME SIZE	FLANGE DIMENSION								SHAFT EXTENSION								BEARING														
2P	4P	6P	---		LA	LE	M	N	P	S	T	A	AA	AB	AC	AD	AG	AS	B	BA	BA'	BB	BC	C	D	E	EB	EF	EG	F	G	GA	DB	DRIVE END	OPPOSITE DRIVE END
75	---	---	---	280SA	22	140	500	450	550	18.5	5	457	110	560	550	408.5	249	124.5	368	110	110	445	48	190	65	140	125	7.5	40	18	58	69	M20	6314C3	6314C3
---	75	45	---	280SB	22	140	500	450	550	18.5	5	457	110	560	550	408.5	249	124.5	368	110	110	445	48	190	75	140	125	7.5	40	20	67.5	79.5	M20	6318C3	6316C3
90	---	---	---	280MA	22	140	500	450	550	18.5	5	457	110	560	550	408.5	249	124.5	419	115	115	505	48	190	65	140	125	7.5	40	18	58	69	M20	6314C3	6314C3
---	90	55	---	280MB	22	140	500	450	550	18.5	5	457	110	560	550	408.5	249	124.5	419	115	115	505	48	190	75	140	125	7.5	40	20	67.5	79.5	M20	6318C3	6316C3

- Note :**
1. Tolerance of Shaft End Diameter D : m6
 2. Tolerance of Key Width F : h9
 3. Tolerance of Shaft Center Height H : +0, -1
 4. Tolerance of N : j6
 5. T-Box Assy with a cable grand body.
 6. TEV1 only refers to the installation size ,the outline will be slightly different
(TEV1 仅参考安装尺寸, 外形会略有差异)

安装方式: B35(IM 2001)

外形图 Outline

外形及安装尺寸图



Dimension in mm

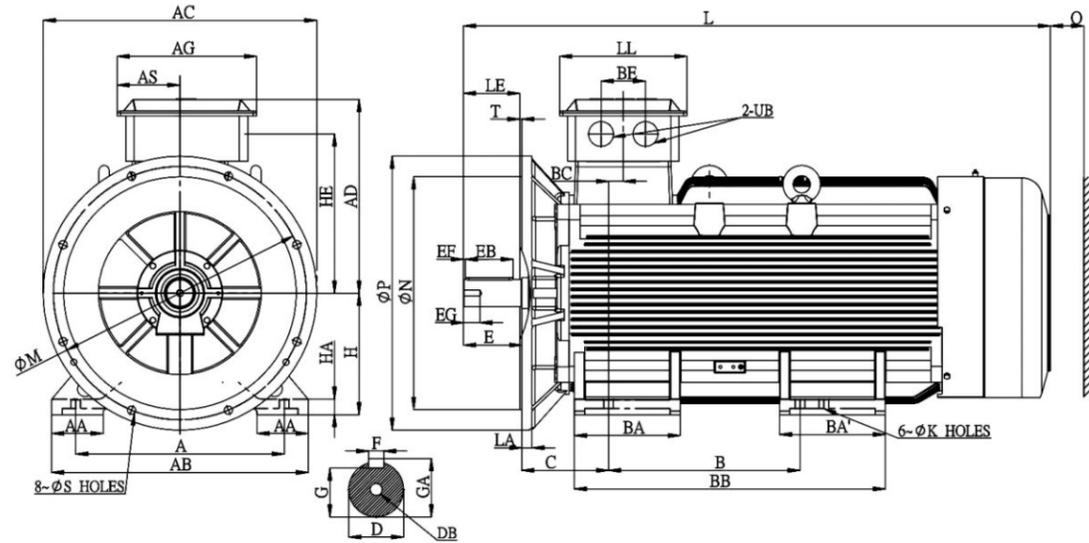
Output (kW)				FRAME SIZE	FLANGE DIMENSION								SHAFT EXTENSION								BEARING														
2P	4P	6P	---		LA	LE	M	N	P	S	T	A	AA	AB	AC	AD	AG	AS	B	BA	BA'	BB	BC	C	D	E	EB	EF	EG	F	G	GA	DB	DRIVE END	OPPOSITE DRIVE END
110	---	---	---	315SA	25	140	600	550	660	24	6	508	115	615	660	456.5	318	144	406	180	180	580	53	106	65	140	125	7.5	40	18	58	69	M20	6316C3	6314C3
---	110	75	---	315SB	25	170	600	550	660	24	6	508	115	615	660	456.5	318	144	406	180	180	580	53	106	80	170	160	5	40	22	71	85	M20	6320C3	6316C3

- Note :**
1. Tolerance of Shaft End Diameter D : m6
 2. Tolerance of Key Width F : h9
 3. Tolerance of Shaft Center Height H : +0, -1
 4. Tolerance of N : js6
 5. T-Box Assy with two cable grand bodies.
 6. TEV1 only refers to the installation size ,the outline will be slightly different
(TEV1 仅参考安装尺寸, 外形会略有差异)

外形图 Outline

外形及安装尺寸图

安装方式: B35(IM 2001)



Dimension in mm

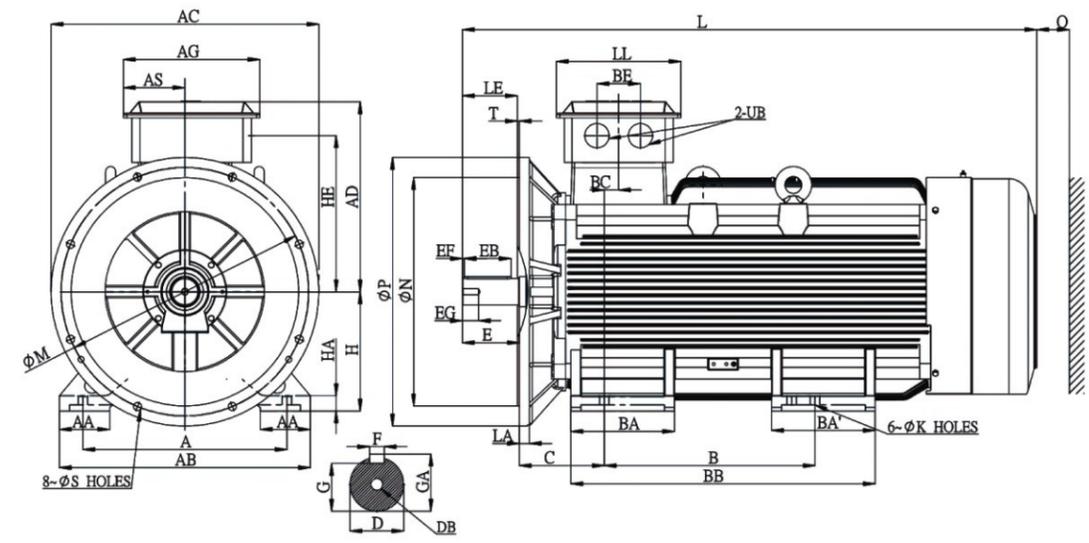
Output (kW)				FRAME SIZE	FLANGE DIMENSION								SHAFT EXTENSION										BEARING	
2P	4P	6P	---		LA	LE	M	N	P	S	T	A	AA	AB	AC	AD	AG	AS	B	BA	BA'	BB	BC	BE
250	---	---	---	355MA	30	140	740	680	800	24	6	610	150	750	800	573	408	184	560	310	310	910	43	130
---	250	160 200	---	355MB	30	170	740	680	800	24	6	610	150	750	800	573	408	184	560	310	310	910	43	130
FRAME SIZE	C	H	HA	HE	K	L	LL	O	UB	SHAFT EXTENSION										BEARING				
										D	E	EB	EF	EG	F	G	GA	DB	DRIVE END	OPPOSITE DRIVE END				
355MA	254	355	45	469	28	1687	372	230	M72X2	75	140	125	7.5	40	20	67.5	79.5	M20	6317C3	6317C3				
355MB	254	355	45	469	28	1717	372	230	M72X2	95	170	160	5	48	25	86	100	M24	6322C3	6322C3				

- Note :**
1. Tolerance of Shaft End Diameter D : m6
 2. Tolerance of Key Width F : h9
 3. Tolerance of Shaft Center Height H : +0, -1
 4. Tolerance of N : js6
 5. TEV1 only refers to the installation size ,the outline will be slightly different
(TEV1 仅参考安装尺寸, 外形会略有差异)

外形图 Outline

外形及安装尺寸图

安装方式: B35(IM 2001)



Dimension in mm

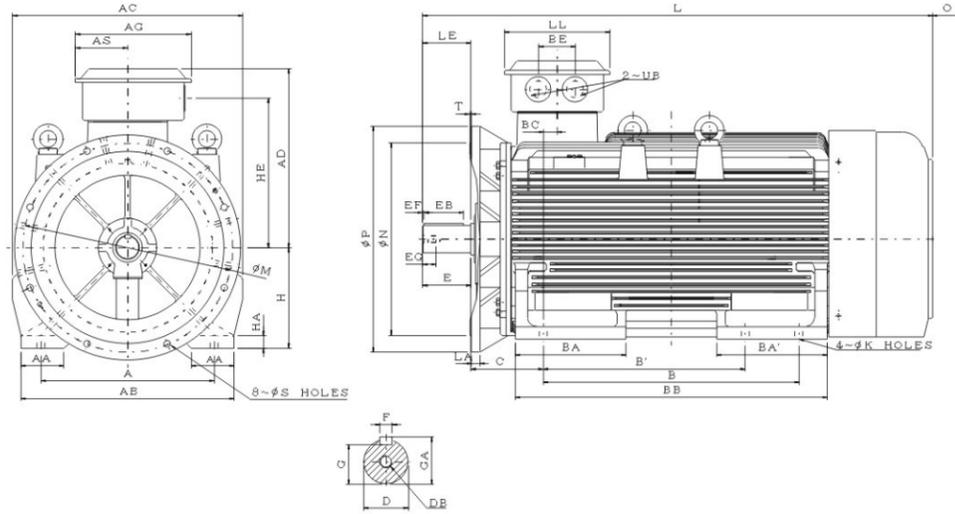
Output (kW)				FRAME SIZE	FLANGE DIMENSION								SHAFT EXTENSION										BEARING	
2P	4P	6P	---		LA	LE	M	N	P	S	T	A	AA	AB	AC	AD	AG	AS	B	BA	BA'	BB	BC	BE
315	---	---	---	355LA	30	140	740	680	800	24	6	610	150	750	800	573	408	184	630	310	310	910	43	130
---	315	250	---	355LB	30	170	740	680	800	24	6	610	150	750	800	573	408	184	630	310	310	910	43	130
FRAME SIZE	C	H	HA	HE	K	L	LL	O	UB	SHAFT EXTENSION										BEARING				
										D	E	EB	EF	EG	F	G	GA	DB	DRIVE END	OPPOSITE DRIVE END				
355LA	254	355	45	469	28	1687	372	230	M72X2	75	140	125	7.5	40	20	67.5	79.5	M20	6317C3	6317C3				
355LB	254	355	45	469	28	1717	372	230	M72X2	95	170	160	5	48	25	86	100	M24	6322C3	6322C3				

- Note :**
1. Tolerance of Shaft End Diameter D : m6
 2. Tolerance of Key Width F : h9
 3. Tolerance of Shaft Center Height H : +0, -1
 4. Tolerance of N : js6
 5. TEV1 only refers to the installation size ,the outline will be slightly different
(TEV1 仅参考安装尺寸, 外形会略有差异)

外形图 Outline

外形及安装尺寸图

安装方式: B35(IM 2001)



Dimension in mm

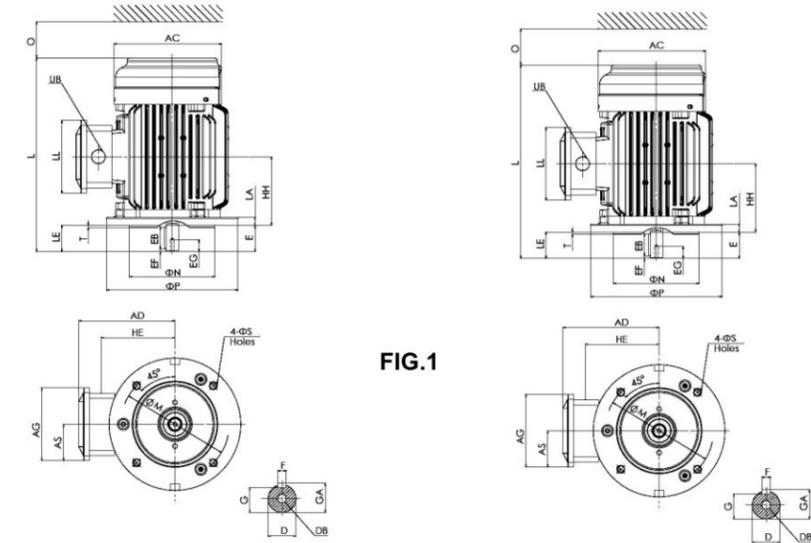
Output (kW)				FRAME SIZE	FLANGE DIMENSION								SHAFT EXTENSION										BEARING															
2P	4P	6P	---		LA	LE	M	N	P	S	T	A	AA	AB	AC	AD	AG	AS	B	B'	BA	BA'	BB	BC	BE	D	E	EB	EF	EG	F	G	GA	DB	DRIVE END	OPPOSITE DRIVE END		
355	400	---	---	355CA	30	140	740	680	800	24	6	610	150	750	810	633	408	184	710	900	390	390	1100	48	130													
---	355	315	400	355CB	30	170	740	680	800	24	6	610	150	750	810	633	408	184	710	900	390	390	1100	48	130													

- Note :**
1. Tolerance of Shaft End Diameter D : m6
 2. Tolerance of Key Width F : h9
 3. Tolerance of Shaft Center Height H : +0, -1
 4. Tolerance of N : js6
 5. T-Box Assy with two cable grand bodies.
 6. TEV1 only refers to the installation size ,the outline will be slightly different
(TEV1 仅参考安装尺寸, 外形会略有差异)

安装方式: V1(IM 3011)

外形图 Outline

外形及安装尺寸图



Dimension in mm

Output (kW)				FRAME SIZE	FIG. NO.	FLANGE DIMENSION								AC	AD	AG	AS	HE	HH	L																	
2P	4P	6P	---			LA	LE	M	N	P	S	T																									
0.75	0.55	---	---	80M	1	12	40	165	130	200	12	3.5	177	152	110	55	115	103.5	292																		
1.1	0.75	0.55	---	90S	2	12	50	165	130	200	12	3.5	197	162	110	55	125	125.5	344																		
1.5	1.1	0.75	---			12	50	165	130	200	12	3.5	197	162	110	55	125	130.5	354																		
2.2	1.5	1.1	---		90L	2	12	50	165	130	200	12	3.5	197	162	110	55	125	130.5	354																	

- Note :**
1. Tolerance of shaft end diameter D: j6.
 2. Tolerance of N : j6.
 3. T-Box Assy with a cable grand body.
 4. TEV1 only refers to the installation size ,the outline will be slightly different
(TEV1 仅参考安装尺寸, 外形会略有差异)

外形图 Outline

外形及安装尺寸图

安装方式: V1(IM 3011)

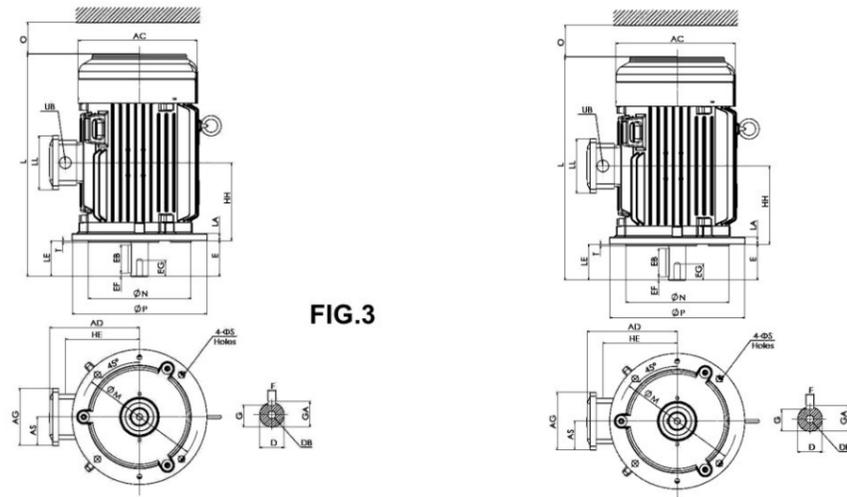


FIG. 4

FIG. 3

Dimension in mm

Output (kW)				FRAME SIZE	FIG. NO.	FLANGE DIMENSION								AC	AD	AG	AS	HE	HH	L	LL	O
2P	4P	6P	---			LA	LE	M	N	P	S	T										
3	2.2	1.5	---	100L	4	16	60	215	180	250	14.5	4	219	178.5	127	63.5	138	135.5	391	120	50	
---	3	---	---																			
4	4	2.2	---	112M	3	15	60	215	180	250	14.5	4	235	191	127	63.5	150.5	145	412.5	120	50	
5.5	5.5	3	---	132S	4	16	80	265	230	300	14.5	4	273	208.5	127	63.5	168	154	456	120	50	
7.5	---	---	---																			
---	7.5	4	---	132M	4	16	80	265	230	300	14.5	4	273	208.5	127	63.5	168	173	494	120	50	
---	---	5.5	---																			

FRAME SIZE	UB	SHAFT EXTENSION								BEARING		
		D	E	EB	EF	EG	F	G	GA	DB	DRIVE END	OPPOSITE DRIVE END
100L	M25X1.5	28	60	50	5	22	8	24	31	M10	6206ZZ	6205ZZ
112M	M25X1.5	28	60	50	5	22	8	24	31	M10	6306ZZ	6305ZZ
132S	M25X1.5	38	80	70	5	28	10	33	41	M12	6308ZZ	6306ZZ
132M	M25X1.5	38	80	70	5	28	10	33	41	M12	6308ZZ	6306ZZ

- Note :**
1. Tolerance of shaft end diameter D : $\phi 28 : j6$, $\phi 38 : k6$.
 2. Tolerance of N : j6.
 3. T-Box Assy with a cable grand body.
 4. TEV1 only refers to the installation size ,the outline will be slightly different (TEV1 仅参考安装尺寸, 外形会略有差异)

外形图 Outline

外形及安装尺寸图

安装方式: V1(IM 3011)

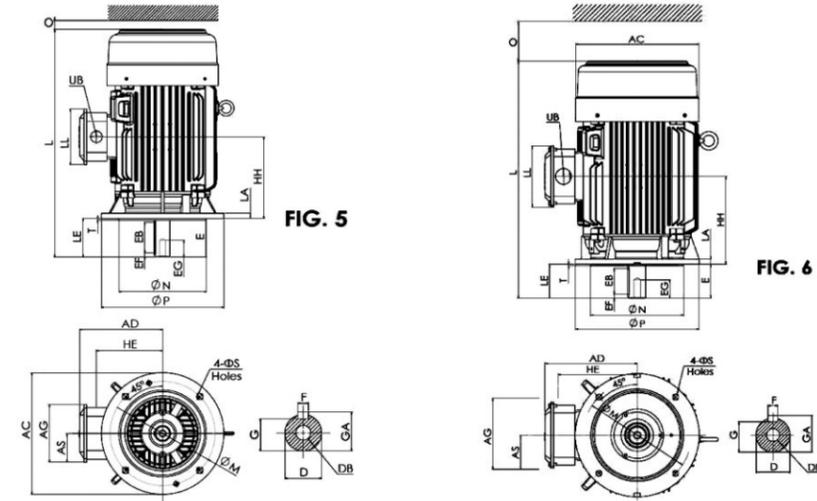


FIG. 5

FIG. 6

Dimension in mm

Output (kW)				FRAME SIZE	FIG. NO.	FLANGE DIMENSION								AC	AD	AG	AS	HE	HH	L	LL	O
2P	4P	6P	---			LA	LE	M	N	P	S	T										
11	11	7.5	---	160M	5	15	110	300	250	350	18.5	5	350	234	166	83	192	213	608	160	60	
---	3	---	---																			
18.5	15	11	---	160L	5	15	110	300	250	350	18.5	5	350	234	166	83	192	235	652	160	60	
22	18.5	---	---	180M	6	15	110	300	250	350	18.5	5	354	266	166	83	218	241.5	672	160	70	
---	22	15	---																			180L
30	30	18.5	---	200L	6	17	110	350	300	400	18.5	5	400	304.5	215	107.5	241	285.5	770	199	80	
---	---	22	---																			

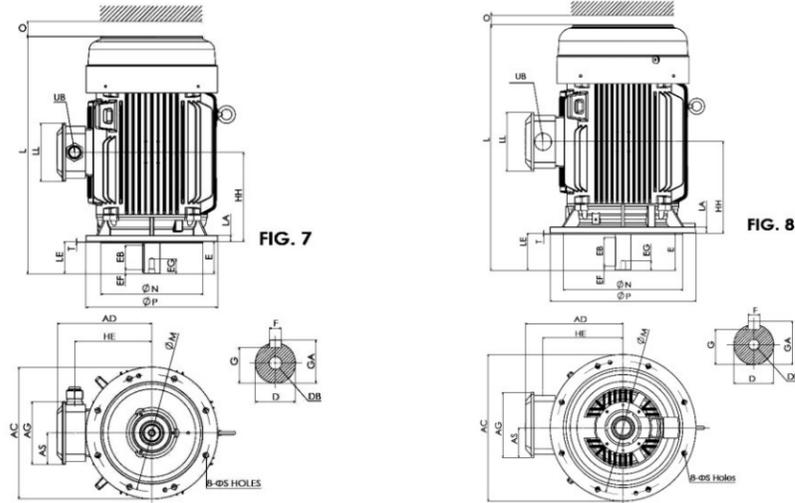
FRAME SIZE	UB	SHAFT EXTENSION								BEARING		
		D	E	EB	EF	EG	F	G	GA	DB	DRIVE END	OPPOSITE DRIVE END
160M	M32X1.5	42	110	100	5	36	12	37	45	M16	6309ZZ	6307ZZ
160L	M32X1.5	42	110	100	5	36	12	37	45	M16	6309ZZ	6307ZZ
180M	M32X1.5	48	110	100	5	36	14	42.5	51.5	M16	(6311ZZC3)	(6310ZZC3)
180L	M32X1.5	48	110	100	5	36	14	42.5	51.5	M16	6311ZZ	6310ZZ
200L	M50X1.5	55	110	100	5	42	16	49	59	M20	(6312ZZC3)	(6212ZZC3)
											6312ZZ	6212ZZ

- Note :**
1. Tolerance of shaft end diameter D : a) $\phi 42 \sim \phi 48 : k6$; b) $\phi 55 : m6$.
 2. Tolerance of N : j6.
 3. Bearing No. In () is for 2P.
 4. T-Box Assy with a cable grand body.
 5. TEV1 only refers to the installation size ,the outline will be slightly different (TEV1 仅参考安装尺寸, 外形会略有差异)

外形图 Outline

外形及安装尺寸图

安装方式: V1(IM 3011)



Dimension in mm

Output (kW)				FRAME SIZE	FIG. NO.	FLANGE DIMENSION								AC	AD	AG	AS	HE	HH	L
2P	4P	6P	---			LA	LE	M	N	P	S	T								
---	37	---	---	225SC	7	20	140	400	350	450	18.5	5	450	330.5	215	107.5	267	292	816	
45	---	---	---	225MA		20	110	400	350	450	18.5	5	450	330.5	215	107.5	267	304.5	811	
---	45	30	---	225MC		20	140	400	350	450	18.5	5	450	330.5	215	107.5	267	304.5	841	
55	---	---	---	250MA	8	22	140	500	450	550	18.5	5	550	372.5	249	124.5	300	342.5	921	
---	55	37	---	250MC		22	140	500	450	550	18.5	5	550	372.5	249	124.5	300	342.5	921	
FRAME SIZE	LL	O	UB	SHAFT EXTENSION								BEARING								
				D	E	EB	EF	EG	F	G	GA	DB	DRIVE END	OPPOSITE DRIVE END						
225SC	199	90	M50X1.5	60	140	125	7.5	42	18	53	64	M20	(6312ZZC3) 6313ZZ	(6212ZZC3) 6213ZZ						
225MA	199	90	M50X1.5	55	110	100	5	42	16	49	59	M20								
225MC	199	90	M50X1.5	60	140	125	7.5	42	18	53	64	M20								
250MA	224	105	M63X1.5	60	140	125	7.5	42	18	53	64	M20	6313-ZC3	6313-ZC3						
250MC	224	105	M63X1.5	65	140	125	7.5	42	18	58	69	M20	6315-Z	6313-Z						

Note : 1. Tolerance of shaft end diameter D : m6.

2. Tolerance of N : j6.

3. Bearing No. In () is for 2P. 4. T-Box Assy with a cable grand body.

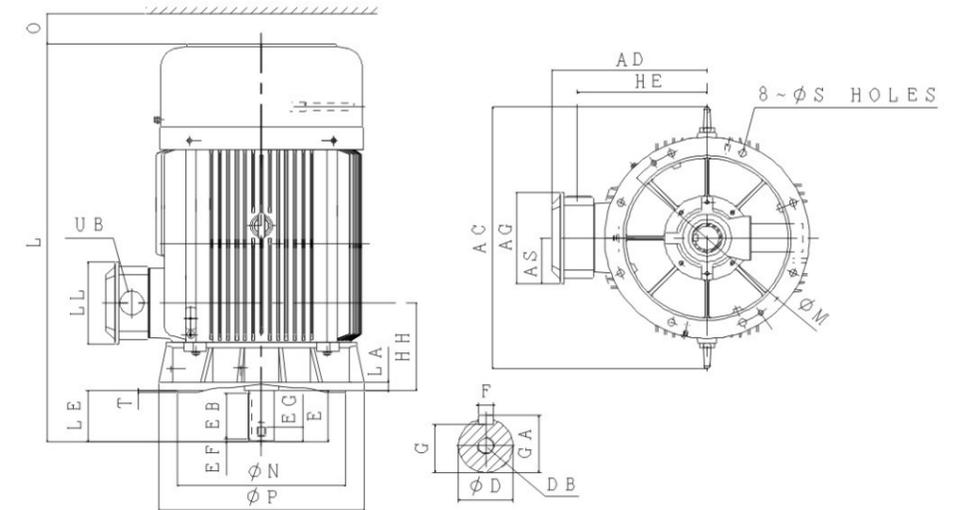
5. TEV1 only refers to the installation size ,the outline will be slightly different

(TEV1 仅参考安装尺寸, 外形会略有差异)

外形图 Outline

外形及安装尺寸图

安装方式: V1(IM 3011)



Dimension in mm

Output (kW)				FRAME SIZE	FLANGE DIMENSION								AC	AD	AG	AS	HE	HH	L
2P	4P	6P	---		LA	LE	M	N	P	S	T								
75	---	---	---	280SA	22	140	500	450	550	18.5	5	709	408.5	249	124.5	335	238	1037.5	
---	75	45	---	280SB	22	140	500	450	550	18.5	5	709	408.5	249	124.5	335	238	1037.5	
90	---	---	---	280MA	22	140	500	450	550	18.5	5	709	408.5	249	124.5	335	238	1087.5	
---	90	55	---	280MB	22	140	500	450	550	18.5	5	709	408.5	249	124.5	335	238	1087.5	
FRAME SIZE	LL	O	UB	SHAFT EXTENSION								BEARING							
				D	E	EB	EF	EG	F	G	GA	DB	DRIVE END	OPPOSITE DRIVE END					
280SA	224	140	M63X1.5	65	140	125	7.5	40	18	58	69	M20	6314C3	6314C3					
280SB	224	140	M63X1.5	75	140	125	7.5	40	20	67.5	79.5	M20	6318C3	6316C3					
280MA	224	140	M63X1.5	65	140	125	7.5	40	18	58	69	M20	6314C3	6314C3					
280MB	224	140	M63X1.5	75	140	125	7.5	40	20	67.5	79.5	M20	6318C3	6316C3					

Note : 1. Tolerance of Shaft End Diameter D : m6

2. Tolerance of Key Width F : h9

3. Tolerance of N : j6

4. T-Box Assy with a cable grand body.

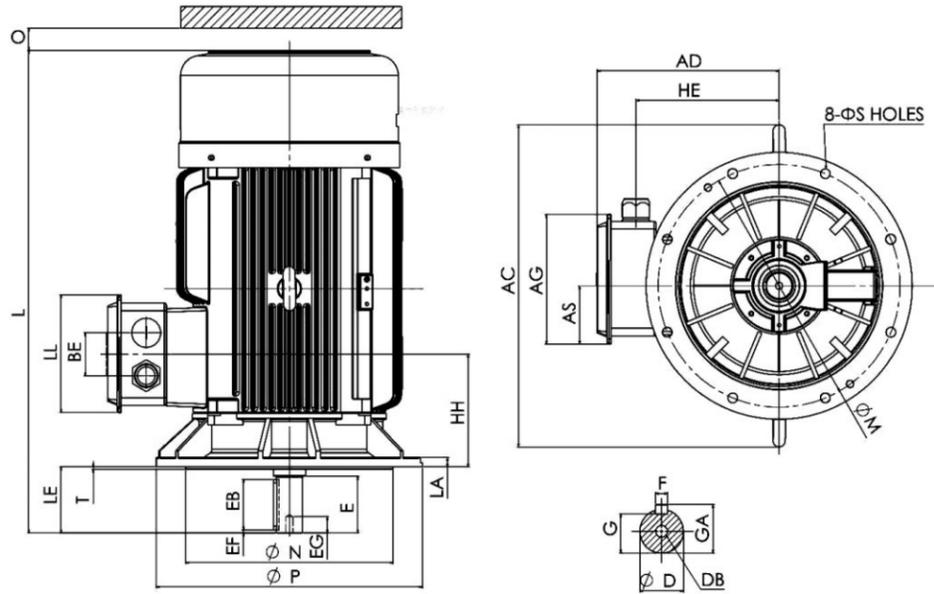
5. TEV1 only refers to the installation size ,the outline will be slightly different

(TEV1 仅参考安装尺寸, 外形会略有差异)

外形图 Outline

外形及安装尺寸图

安装方式: V1(IM 3011)



Dimension in mm

Output (kW)				FRAME SIZE	FLANGE DIMENSION							AC	AD	AG	AS	BE	HE	HH	L	LL	O
2P	4P	6P	---		LA	LE	M	N	P	S	T										
110	---	---	---	315SA	25	140	600	550	660	24	6	715	456.5	318	144	106	359	269	1162	288	180
---	110	75	---	315SB	25	170	600	550	660	24	6	715	456.5	318	144	106	359	269	1192	288	180

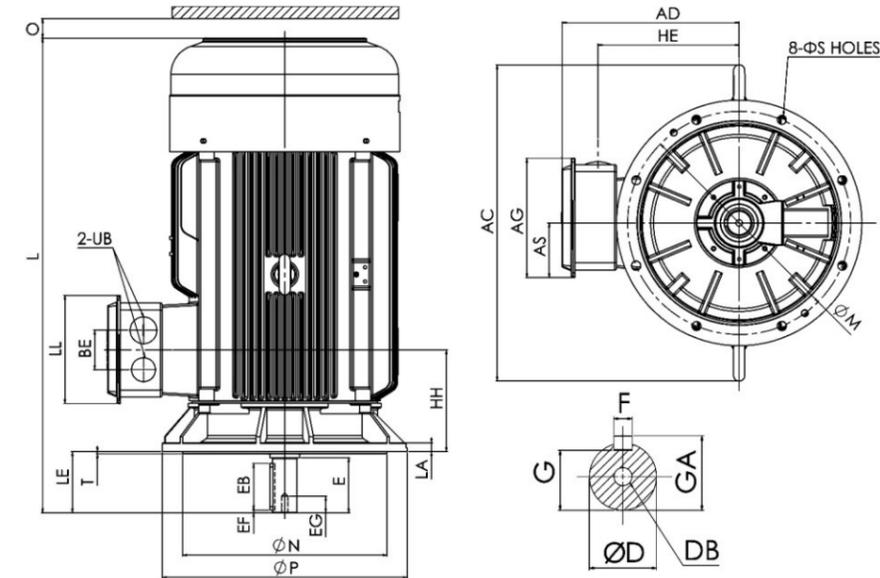
FRAME SIZE	UB	SHAFT EXTENSION								BEARING		
		D	E	EB	EF	EG	F	G	GA	DB	DRIVE END	OPPOSITE DRIVE END
315SA	M63X1.5	65	140	125	7.5	40	18	58	69	M20	6316C3	7314B
315SB	M63X1.5	80	170	160	5	40	22	71	85	M20	6320C3	6316C3

- Note :**
1. Tolerance of Shaft End Diameter D : m6
 2. Tolerance of Key Width F : h9
 3. Tolerance of N : js6
 4. T-Box Assy with two cable grand bodys.
 5. TEV1 only refers to the installation size ,the outline will be slightly different
(TEV1 仅参考安装尺寸, 外形会略有差异)

外形图 Outline

外形及安装尺寸图

安装方式: V1(IM 3011)



Dimension in mm

Output (kW)				FRAME SIZE	FLANGE DIMENSION							AC	AD	AG	AS	BE	HE	HH	L	LL	O
2P	4P	6P	---		LA	LE	M	N	P	S	T										
132	---	---	---	315MA	25	140	600	550	660	24	6	769	481.5	318	144	106	384	269	1246	288	180
---	132	90	---	315MB	25	170	600	550	660	24	6	769	481.5	318	144	106	384	269	1276	288	180

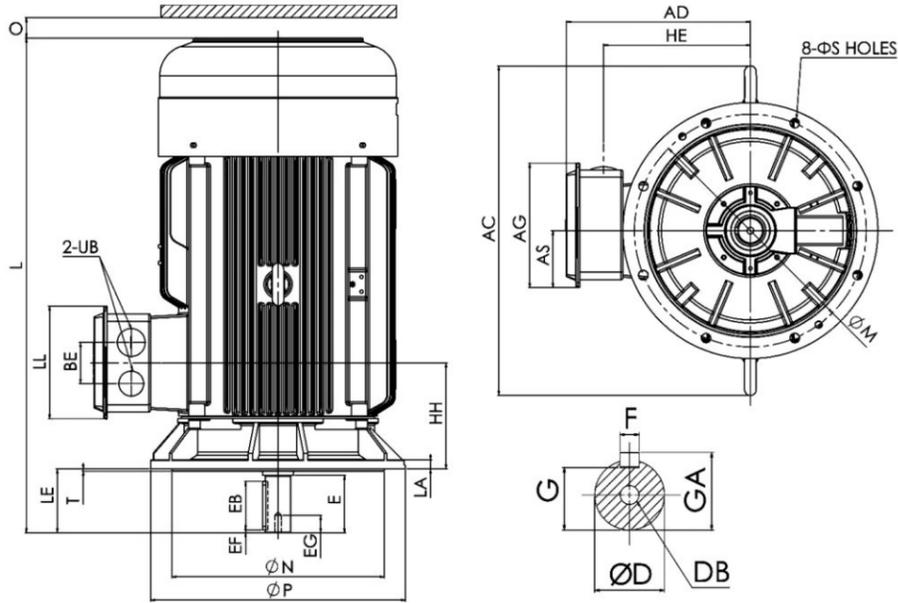
FRAME SIZE	UB	SHAFT EXTENSION								BEARING		
		D	E	EB	EF	EG	F	G	GA	DB	DRIVE END	OPPOSITE DRIVE END
315MA	M63X1.5	65	140	125	7.5	40	18	58	69	M20	6316C3	7314B
315MB	M63X1.5	80	170	160	5	40	22	71	85	M20	6320C3	6316C3

- Note :**
1. Tolerance of Shaft End Diameter D : m6
 2. Tolerance of Key Width F : h9
 3. Tolerance of N : js6
 4. T-Box Assy with two cable grand bodys.
 5. TEV1 only refers to the installation size ,the outline will be slightly different
(TEV1 仅参考安装尺寸, 外形会略有差异)

外形图 Outline

外形及安装尺寸图

安装方式: V1(IM 3011)



Dimension in mm

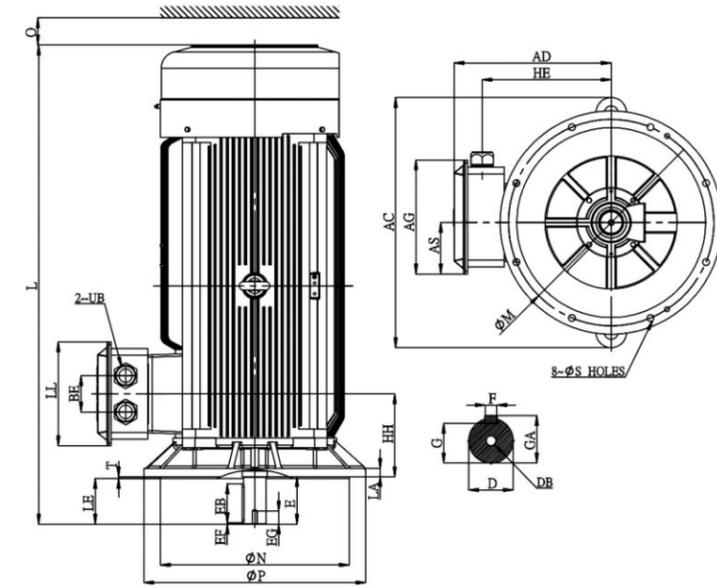
Output (kW)				FRAME SIZE	FLANGE DIMENSION							AC	AD	AG	AS	BE	HE	HH	L	LL	O
2P	4P	6P	---		LA	LE	M	N	P	S	T										
160	---	---	---	315LA	25	140	600	550	660	24	6	769	481.5	318	144	106	384	269	1346	288	180
---	160	110	---	315LB	25	170	600	550	660	24	6	769	481.5	318	144	106	384	269	1376	288	180
FRAME SIZE	UB	SHAFT EXTENSION							BEARING												
		D	E	EB	EF	EG	F	G	GA	DB	DRIVE END	OPPOSITE DRIVE END									
315LA	M63X1.5	65	140	125	7.5	40	18	58	69	M20	6316C3	7314B									
315LB	M63X1.5	80	170	160	5	40	22	71	85	M20	6320C3	6316C3									

- Note :**
1. Tolerance of Shaft End Diameter D : m6
 2. Tolerance of Key Width F : h9
 3. Tolerance of N : js6
 4. T-Box Assy with two cable grand bodys.
 5. TEV1 only refers to the installation size ,the outline will be slightly different
(TEV1 仅参考安装尺寸, 外形会略有差异)

外形图 Outline

外形及安装尺寸图

安装方式: V1(IM 3011)



Dimension in mm

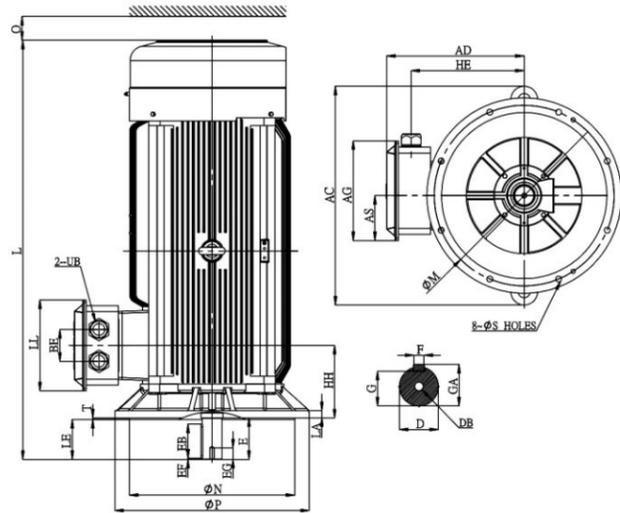
Output (kW)				FRAME SIZE	FLANGE DIMENSION							AC	AD	AG	AS	BE	HE	HH	L	LL	O
2P	4P	6P	---		LA	LE	M	N	P	S	T										
250	---	---	---	355MA	30	140	740	680	800	24	6	896	573	408	184	130	469	297	1687	372	230
---	250	160	---	355MB	30	170	740	680	800	24	6	896	573	408	184	130	469	297	1717	372	230
FRAME SIZE	UB	SHAFT EXTENSION							BEARING												
		D	E	EB	EF	EG	F	G	GA	DB	DRIVE END	OPPOSITE DRIVE END									
355MA	M72X2	75	140	125	7.5	40	20	67.5	79.5	M20	6317C3	7317B									
355MB	M72X2	95	170	160	5	48	25	86	100	M24	6322C3	7322B									

- Note :**
1. Tolerance of Shaft End Diameter D : m6
 2. Tolerance of Key Width F : h9
 3. Tolerance of N : js6
 4. T-Box Assy with two cable grand bodys.
 5. TEV1 only refers to the installation size ,the outline will be slightly different
(TEV1 仅参考安装尺寸, 外形会略有差异)

外形图 Outline

外形及安装尺寸图

安装方式: V1(IM 3011)



Dimension in mm

Output (kW)				FRAME SIZE	FLANGE DIMENSION							AC	AD	AG	AS	BE	HE	HH	L	LL	O
2P	4P	6P	---		LA	LE	M	N	P	S	T										
315	---	---	---	355LA	30	140	740	680	800	24	6	896	573	408	184	130	469	297	1687	372	230
---	315	250	---	355LB	30	170	740	680	800	24	6	896	573	408	184	130	469	297	1717	372	230

FRAME SIZE	UB	SHAFT EXTENSION								BEARING		
		D	E	EB	EF	EG	F	G	GA	DB	DRIVE END	OPPOSITE DRIVE END
355LA	M72X2	75	140	125	7.5	40	20	67.5	79.5	M20	6317C3	7317B
355LB	M72X2	95	170	160	5	48	25	86	100	M24	6322C3	7322B

- Note :**
1. Tolerance of Shaft End Diameter D : m6
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 4. T-Box Assy with two cable grand bodys.
 5. TEV1 only refers to the installation size ,the outline will be slightly different
(TEV1 仅参考安装尺寸, 外形会略有差异)

C-flange 法兰尺寸表

机座号 FRAME SIZE	法兰尺寸			
	M	N	P	S
80	100	80	120	M6
90	115	95	140	M8
100	130	110	160	M8
112	130	110	160	M8
132	165	130	200	M10
160	215	180	250	M12