



CENTECH

中芯技术有限公司是一家具有现代化生产规模的综合性电机制造供应商。公司拥有一支具有行业领先水平的资深研发团队，严格科学的质量管理体系，国内最先进的自动化生产设备及完善的现代化管理系统。

产品有YS系列铝壳三相异步电动机，YE2、YE3系列高效、超高效电机，YVF2变频电机，YEJ2制动电机，产品品质被市场广泛认可，运用如：能源环保，石油化工，建筑建材，橡塑机械，包装机械，玻璃陶瓷，立体仓库，机器人，自动化控制设备等领域中，我们利用技术上的优势，产品远销德国，意大利，美国等欧美国家，在国内，东南亚地区更有广泛的客户群体和固定的销售渠道。

为了保证客户使用满意度，我们引进了先进的设备设施，并在生产每个环节贯彻完善的质量检测，严格按照ISO9001国际质量标准运作，产品通过中国CCC强制性认证，欧共体CE认证，产品按国际IEC标准生产，产品均达到国际同类产品的先进水平。

CENTECH Motor Co.,Ltd.is a comprehensive motor manufacturer with modern production scale.The company has a senior research and development team with leading industry level,strict and scientific quality management system,the most advanced automated production equipment and perfect modern management system.

The products are YS series aluminum shell three-phase asynchronous motor,YE2,YE3 series high-efficiency,ultra-high-efficiency motor,YVF2 frequency conversion motor,YEJ2 brake motor,product quality is widely recognized by the market,such as:energy environmental protection,petrochemical,building materials,rubber and plastic machinery,packaging machinery.glass and ceramics,three-dimensional warehouse,robots,automation.In the field of chemical control equipment,we take advantage of technical advantages.products are exported to Germany.Italy.theUnited States and other European and American countries,in China,Southeast Asia more extensive customer groups and fixed sales channels.

In order to ensure customer satisfaction,we have introduced advanced equipment and facilities,and in the production of every link through perfect quality testing,strictly in accordance with ISO 9001 international quality standards.products through China CCC mandatory certification,CE certification,products produced according to international IEC standards,all products are up to international standards.Advanced level of products.

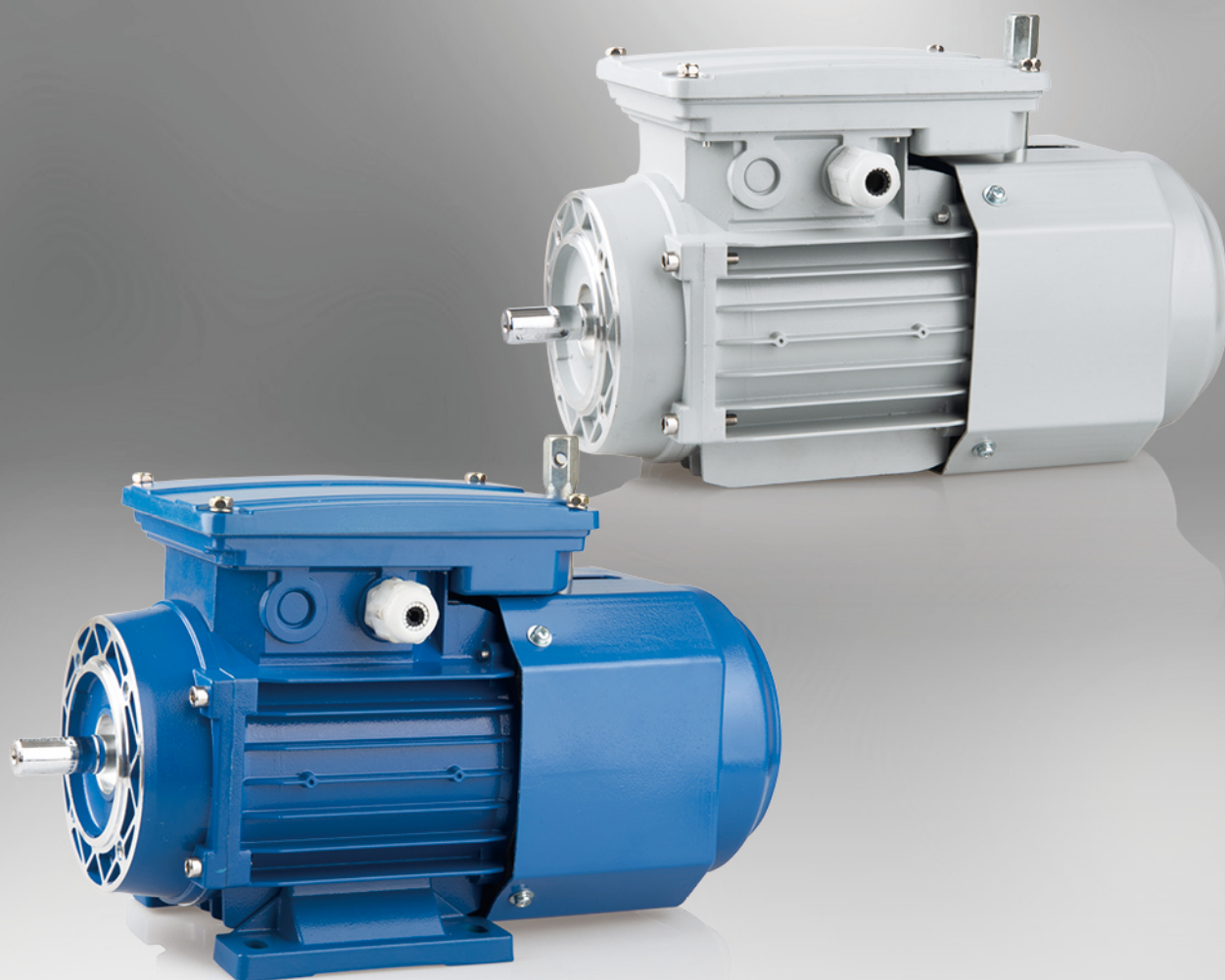


BRAKE MOTOR

刹车电机

深耕高端制造产业链，驱动中国制造 2025。

Deep plough high-end manufacturing industry chain, driven by MADE IN CHINA 2025.

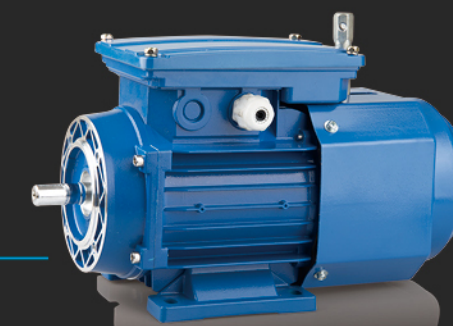


BRAKE MOTOR

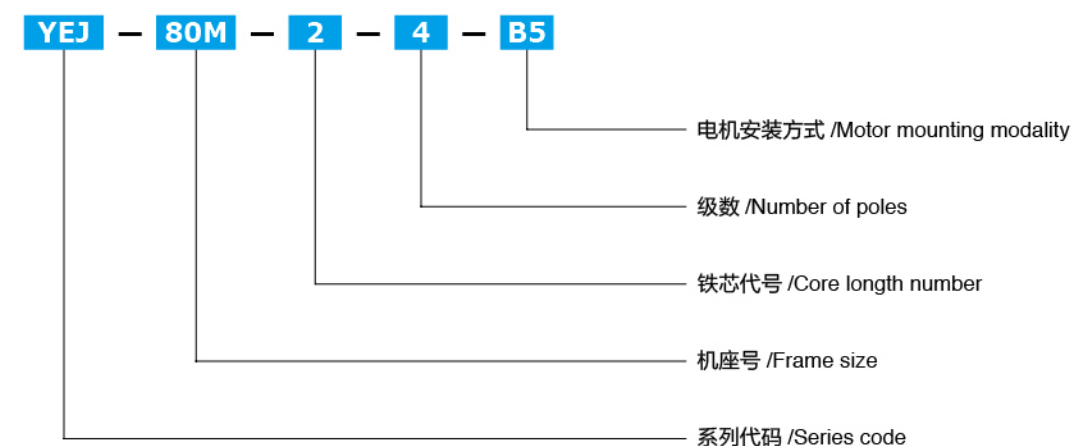
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YEJ 制动电机代号说明 / YEJ BARKE MOTOR CODE DESCRIPTION



制动电机概述 / BRIEF INTRODUCTION OF BARKE MOTOR

制动电机是由三相异步电动机和制动器两部份组成，是三相异步电动机的派生系列。制动器分为手动释放和螺栓释放两种形式。制动器是制动电机的主要部件，其工作电源分为两类：一类是交流制动，另一类是直流制动。目前我公司生产的制动均为直流制动电动，其优点是制动力矩大、安装调试方便、制动响应速度快、可靠性高、通用性强等优点。

Brake motor is made of two parts consisting of three-phase asynchronous motors and brakes, its belongs to three-phase asynchronous motor derived series. Manual brake release and bolt release are two forms of brakes. Brakes are the main components of the brake motor. Its working power divided into two categories; One is AC brake, the other is DC braking, my company produces brake motors are DC brake motors, the advantage of the braking torque is below, Easy installation, braking response speed, high reliability, versatility and other advantages.

YEJ 制动电机工作原理 / OPERATING PRINCIPLE

在电机的后端盖装有一个石棉耐磨材料的摩擦盘和励磁线圈。当电机失电后摩擦盘被制动器弹簧通过一块压紧板，紧紧地压在电机后端盖已加工的平面上，从而使制动盘产生强大的摩擦力矩，达到制动的目的。当励磁线圈通电后产生电磁吸力，将弹簧压紧板吸合，压紧板离开摩擦盘。使摩擦盘释放，电动机灵活转动，根据电动机功率不同，线圈电阻在几十至几百欧之间。

After the motor is equipped with a cover asbestos friction disc wear-resistant materials and excitation coil. When the motor is energized by a spring brake friction disc is a pressing plate, pressing firmly on the plane after the motor cover has been processed, so that the brake disc friction torque generated strong achieve braking purposes. When the excitation coil is energized to produce electromagnetic suction, pull the spring-loaded plate, pressed board leave the friction plate. The friction disc is released, the motor flexible rotation, depending on the motor power between tens to hundreds of European coil resistance.

■ YEJ 制动电机工作原理 / OPERATING PRINCIPLE

二、直流制动器不能直接接在交流电源上，在制动吸盘上装有绕组线圈，绕组的额定电压为低压直流电压。工作时必须由单相交流电源经整流后提供给吸盘绕组，因此制动电机接线盒内同时装有整流器，接线方法在第 25 页图 5。

The DC brake can not be directly connected to the AC power to the brake coil is provided with suction cups for low-voltage winding rated DC voltage.A single-phase AC power is rectified then supply to a sucker winding to make it work,so the brake motor terminal box fitted with a rectifier,wiring diagram below.



■ 制动时间 / THE BRAKING TIME

制动电机的制动时间(t)是从电机和制动器停止供电瞬间开始到轴完全停止时所有用的时间，一般情况下，63-80 机座号的电机其制动时间为0.5 秒钟，90-132 机座号的电机其制动时间为 1 秒钟，160-180 机座号的电机其制动时间为 2 秒。

Brake motor braking time(t)is the time from the motor and brake stopping the power to the shaft completely stopped,under normal circumstances,For 63 to 80 frame size motor,the braking time is 0.5 seconds,For 90-132 frame size motor,the braking time is 1 second,For 160 to 180 frame size motor,the braking time is 2 seconds.

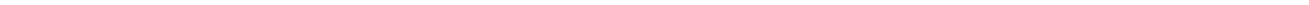


■ 制动电机的调整与维修 / ADJUSTMENT AND MAINTENANCE

在制动电机使用过程中随着制动次数的增加，摩擦盘会有磨损情况存在，因此摩擦盘与电机后盖的间隙也随之增大。对长期运转的电机，间隙的改变直接影响电机的制动力矩。

间隙在调整时不能过小，间隙过小，摩擦盘与电机后盖摩擦平面不能完全分离而烧毁电机，间隙过大，压紧板不能吸合或吸合过程中产生强烈的噪声。制动压紧板与电磁吸盘的间隙按制动器而定，一般 63-112 机座号的电机其制动器间隙在 0.25mm-0.30mm,132-180 机座号的电机制动器间隙在 0.50mm-0.80mm。

In the course of braking the motor increases the number of brake friction disc wear condition will exist,so a gap of the motor cover plate of the friction increases.Changes to the long-term operation of the motor,the motor directly affects the gap between the braking torque. When adjusting the gap is not too small, the gap is too small, the friction disc friction with the motor cover can not be completely separated from the plane and burned the motor,the gap is too large,pressed board can not pull or pull a strong noise process.Brake pressing plate at the gap magnechuck brakes, generally for 63 to112 frame size motor,the brake gap between0.25mm to 0.30mm , for132-180frame size motor,the brake gap between0.50mm to 0.80mm.



■ 制动电机的变频运行/ THE INVERTER RUNS THE MOTOR BRAKE

随着社会生产率的不断发展和科学技术的不断提升。制动加变频方式在执行机构中得到了广泛的应用。我公司生产的所有异步电动机都能配置变频器运行。此时，制动器必须单独提供稳定的工作电源，不能与电动机上的电源接线端子并接共用。否则制动器无法正常工作。需要提出的是：制动器电机配变频操作时，要附加一个轴流风扇，此风扇也只能独立控制和供电。

值得注意的是，我公司生产的所有异步电动机最高频率范围在 60Hz，如用户有特殊要求可向公司提出。

With the continuous improvement and continuous development of the social productivity of science and technology.Brake plus inverter system has been widely applied in the implementation of the organization.I produced all asynchronous motors can configure the drive to run.At this point the brake must be provided separately stable power supply,and then can not be shared with the power terminals on the motor.Otherwise the brakes do not work properly.Need to make is brake motors with variable frequency operation,an axial flow fan to attach this fan only independent control and power.

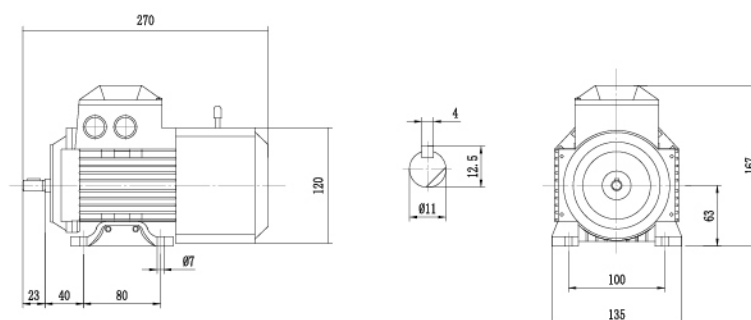
Notably,the company produces all kinds of asynchronous motor in the highest frequency range 60Hz,as you may have special requirements please let us know.

■ YEJ 系列技术参数 / YEJ SERIES TECHNICAL PARAMETERS

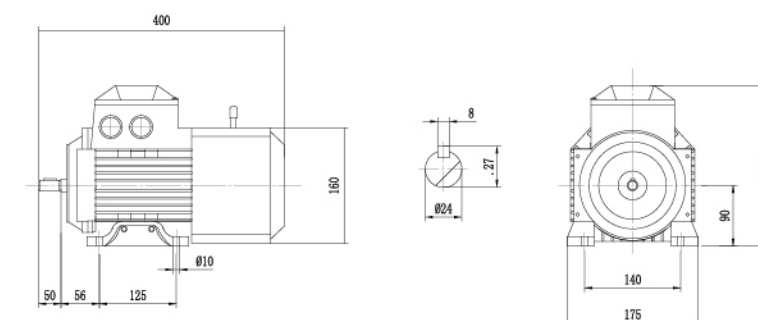
1500r/min 380V 50Hz										
型号 TYPE	额定 功率 RATED OUTPUT	额定 转速 RATED SPEED	效率 EFF I CENCY	功率 因数 POWER FOCTOR	额定 电流 RATED CURRENT	额定 转矩 RATED TORQUE	堵转转矩 LOCKED ROTOR TORQUE	最大转矩 MAXIMUM TORQUE	静制动 力矩 STATIC BRAKR TORQUE NM	空载 制动时间 BRAKE TORQUEDU RING IDIE s
							额定转矩 RATED TO RQUE	额定转矩 RATED TO RQUE		
	Kw	r pm	η %	COSΦ	A	Nm	Ts/Tn	Tmax/Tn	直流 DC	
YEJ-631-4	0.12	1360	57.0	0.72	0.44	0.84	2.2	2.0	3.5	0.10
YEJ-632-4	0.18	1360	60.0	0.73	0.62	1.26	2.2	2.0	3.5	0.10
YEJ-711-4	0.25	1375	65.0	0.74	0.79	1.74	2.2	2.0	4.0	0.10
YEJ-712-4	0.37	1375	67.0	0.75	1.12	2.57	2.2	2.0	4.0	0.10
YEJ-801-4	0.55	1405	71.0	0.75	1.57	3.74	2.2	2.4	7.5	0.10
YEJ-802-4	0.75	1405	73.0	0.76	2.02	5.10	2.2	2.4	7.5	0.10
YEJ-90S-4	1.1	1445	75.0	0.77	2.82	7.27	2.2	2.3	15	0.15
YEJ-90L-4	1.5	1445	78.0	0.79	3.70	9.91	2.2	2.3	15	0.15
YEJ-100L1-4	2.2	1440	80.0	0.81	5.16	14.60	2.2	2.3	30	0.15
YEJ-100L2-4	3	1440	82.0	0.82	6.78	19.90	2.2	2.3	30	0.15
YEJ-112M-4	4	1440	84.0	0.82	8.82	26.50	2.2	2.3	40	0.15
YEJ-132S1-4	5.5	1440	85.0	0.83	11.7	36.50	2.2	2.3	80	0.15
YEJ-132S2-4	7.5	1440	87.0	0.84	15.6	49.7	2.2	2.3	80	0.15
YEJ-160M1-4	11	1450	88.0	0.85	21.3	72.4	2.2	2.2	150	0.30
YEJ-160M2-4	15	1450	89.0	0.85	30.1	98.8	2.2	2.2	150	0.30
YEJ-180M-4	18.5	1455	90.5	0.86	36.5	121.4	2.2	2.2	150	0.30
YEJ-180L-4	22	1455	91.0	0.86	43.1	144.4	2.0	2.2	200	0.30

1000r/min 380V 50Hz										
YEJ-711-6	0.18	900	56.0	0.66	0.71	1.91	1.9	2.0	4.0	0.10
YEJ-712-6	0.25	900	59.0	0.68	0.95	2.65	1.9	2.0	4.0	0.10
YEJ-801-6	0.37	910	62.0	0.70	1.30	3.88	1.9	2.0	7.5	0.10
YEJ-802-6	0.55	910	65.0	0.72	1.79	5.77	1.9	2.1	7.5	0.10
YEJ-90S-6	0.75	930	69.0	0.72	2.26	7.7	2.1	2.1	15	0.15
YEJ-90L-6	1.1	940	72.0	0.73	3.14	11.2	2.1	2.1	15	0.15
YEJ-100L-6	1.5	940	76.0	0.76	3.95	15.2	2.2	2.1	30	0.15
YEJ-112M-6	2.2	960	79.0	0.76	5.57	21.9	2.2	2.1	40	0.15
YEJ-132S-6	3	960	81.0	0.76	7.40	29.8	2.2	2.1	80	0.15
YEJ-132M1-6	4	960	82.0	0.76	9.63	39.8	2.2	2.1	80	0.15
YEJ-132M2-6	5.5	960	84.0	0.77	12.9	54.7	2.2	2.1	150	0.30
YEJ-160M-6	7.5	970	86.0	0.77	17.0	73.8	1.8	2.1	150	0.30
YEJ-160L-6	11	970	87.5	0.78	24.3	108.3	1.9	2.1	150	0.30
YEJ-180L-6	15	970	89.0	0.81	31.6	147.7	2.1	2.1	200	0.30

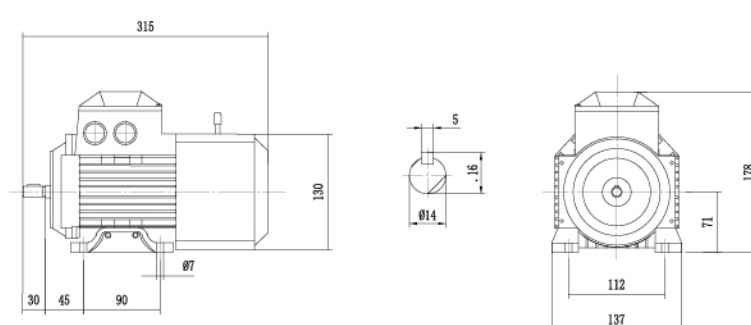
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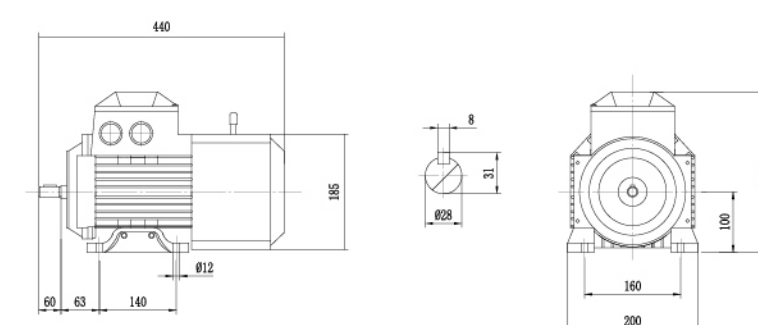
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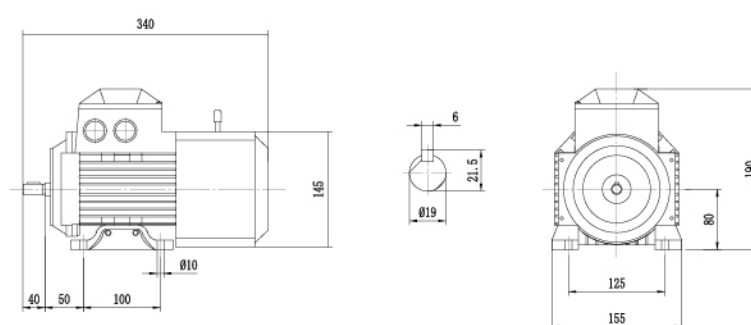
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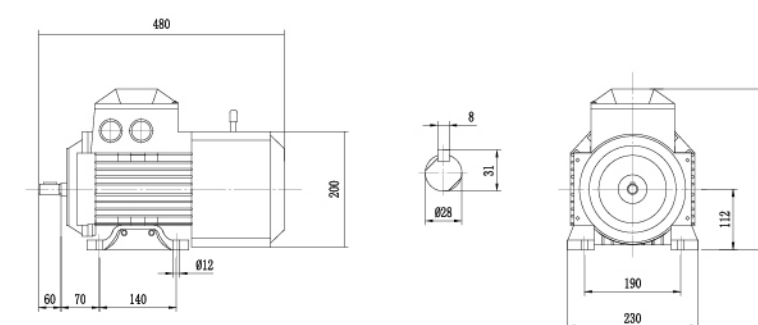
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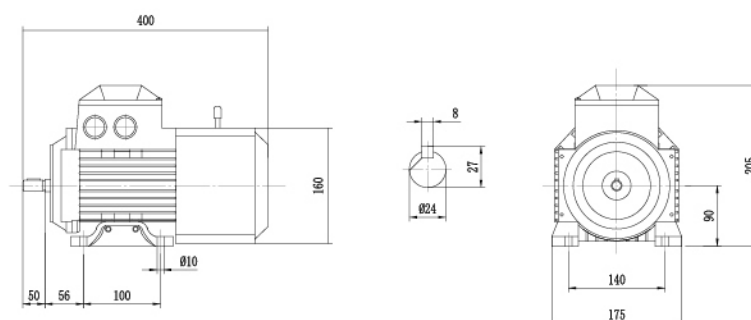
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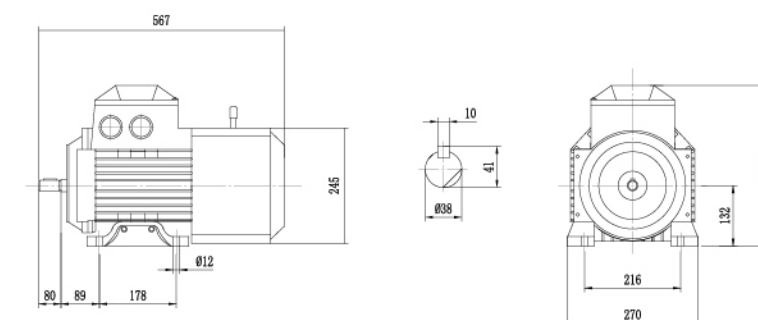
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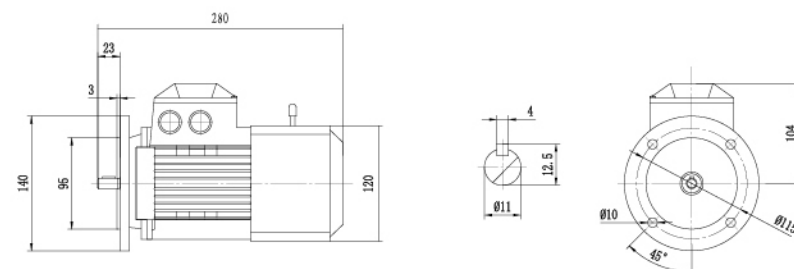
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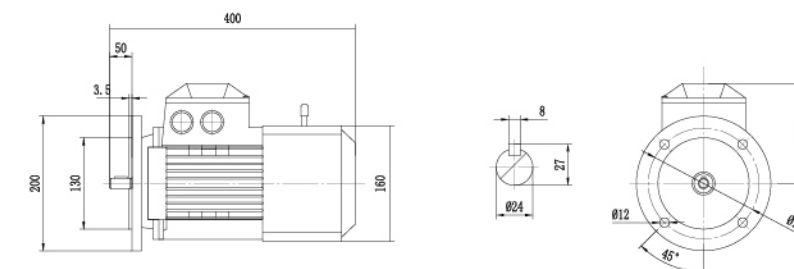
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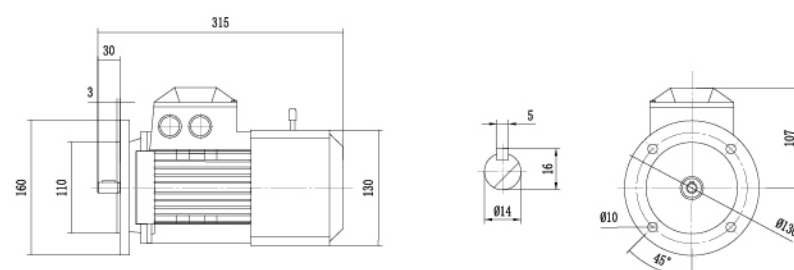
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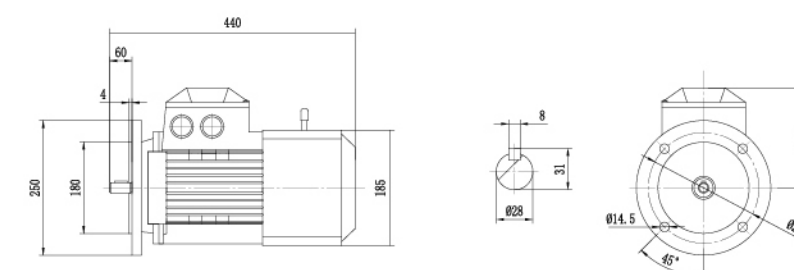
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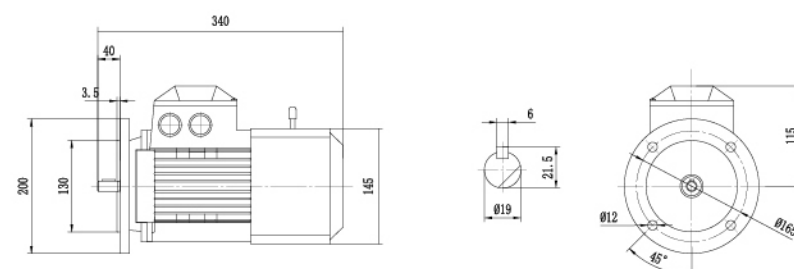
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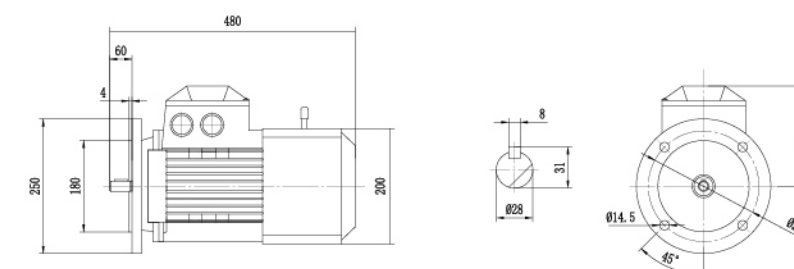
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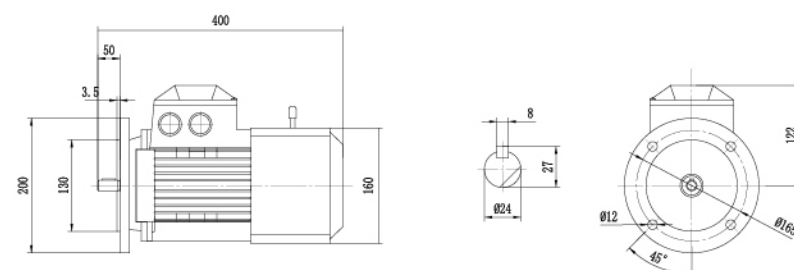
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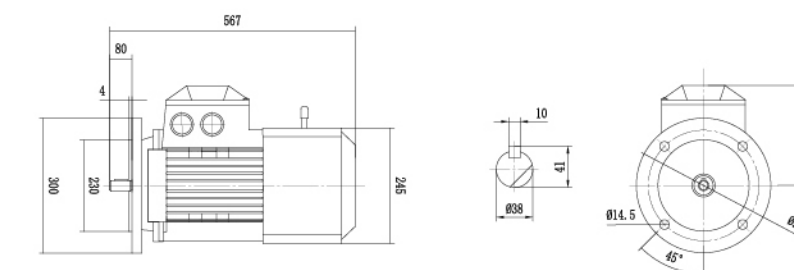
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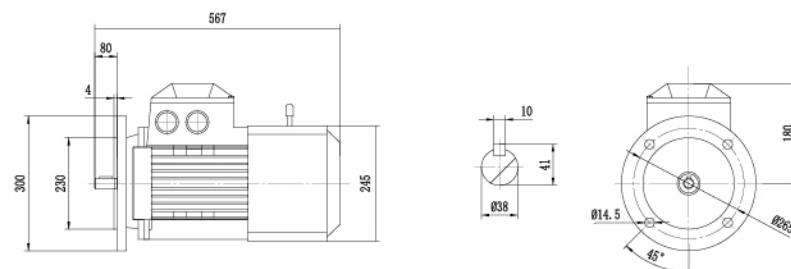
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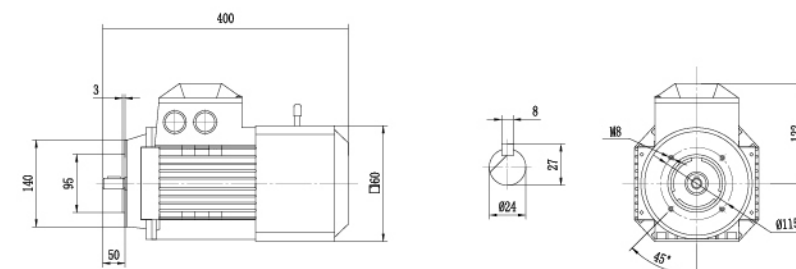
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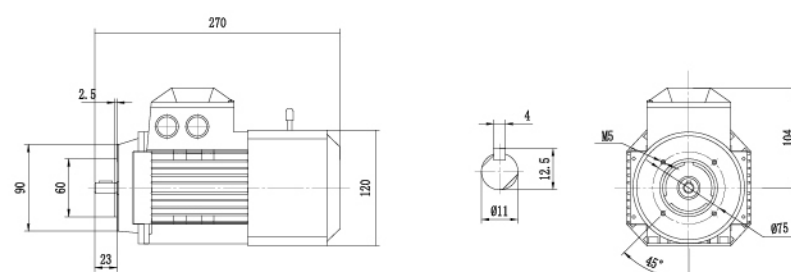
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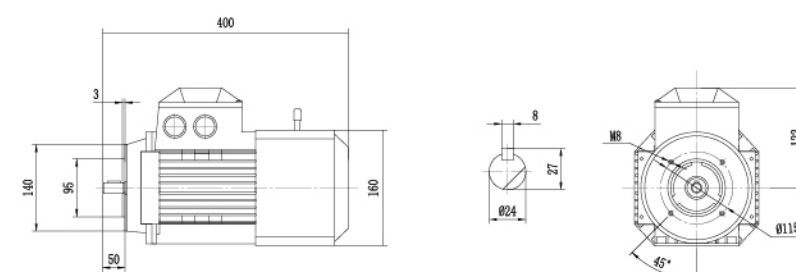
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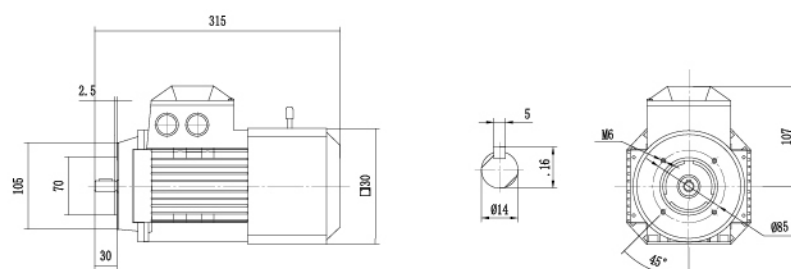
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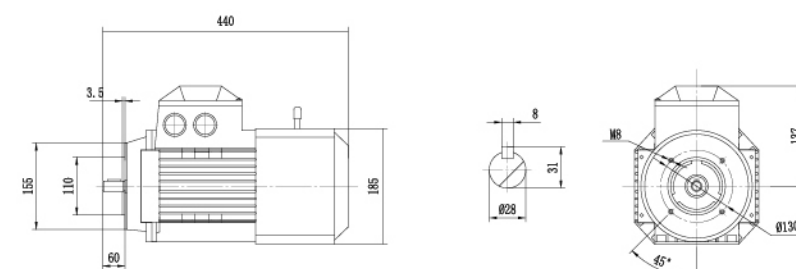
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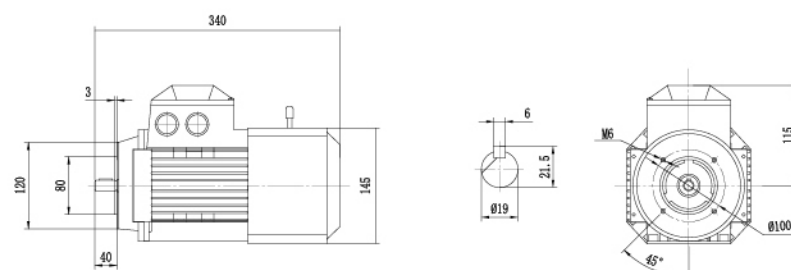
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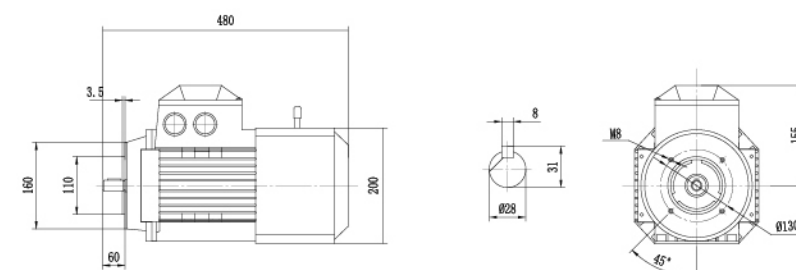
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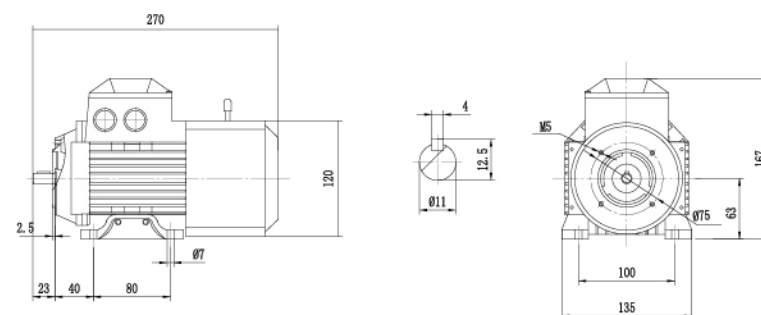
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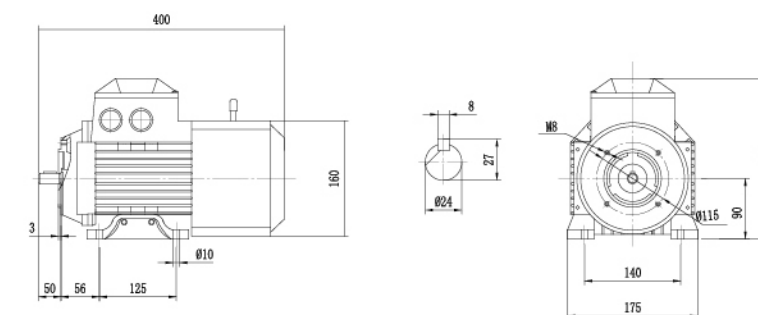
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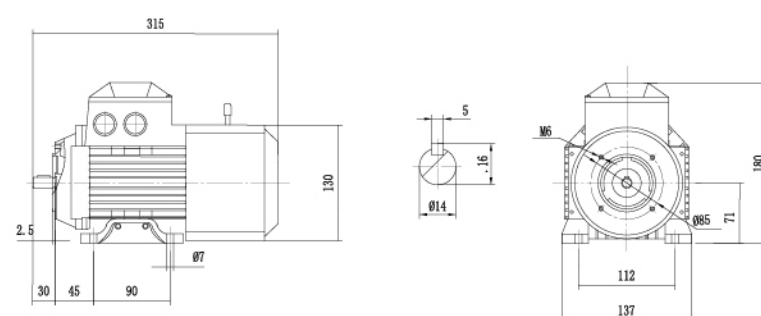
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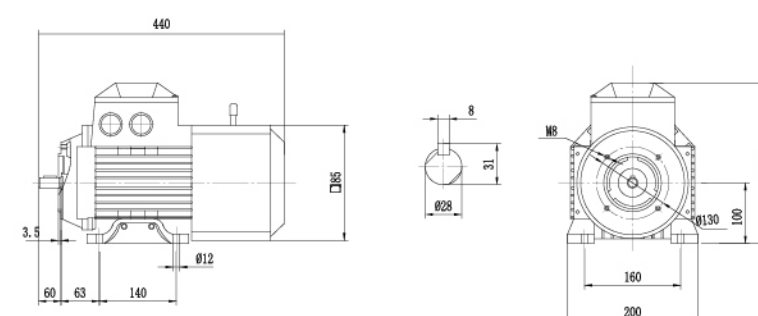
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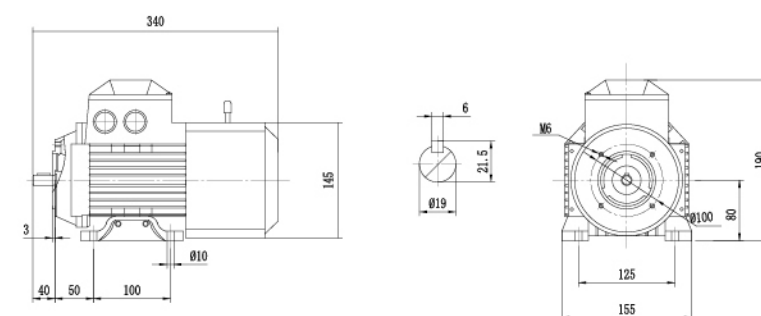
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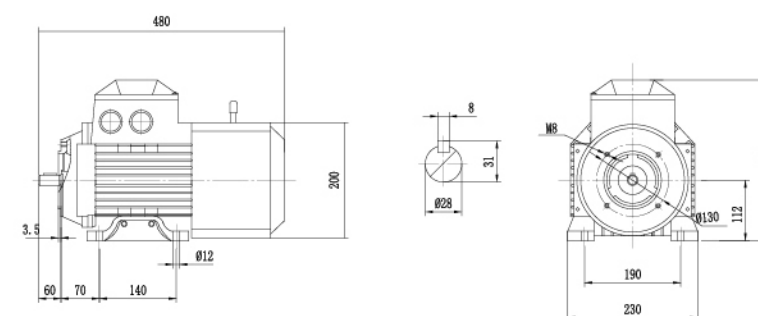
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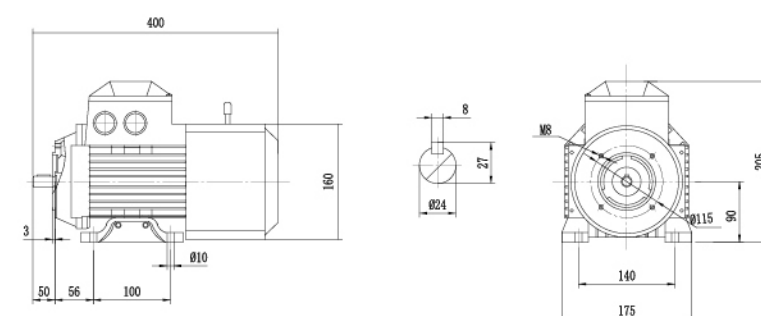
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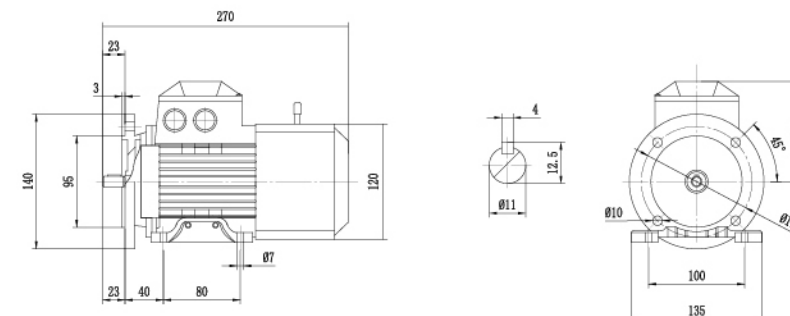
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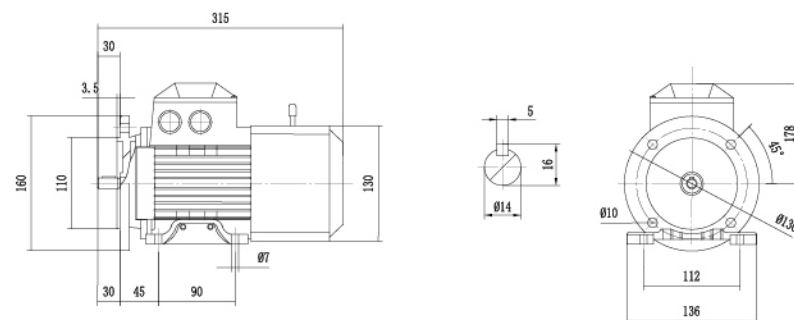
B34 YEJ 90S



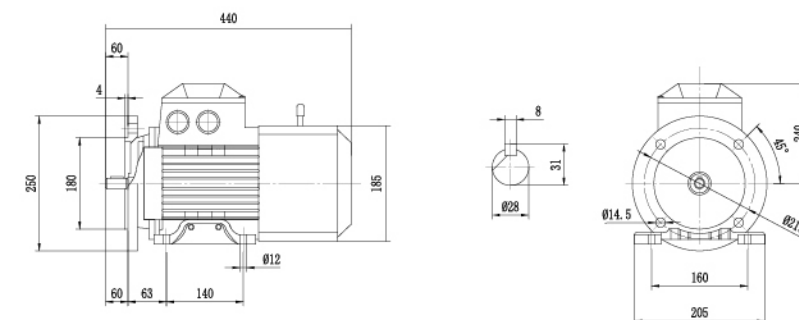
B35 YEJ 63



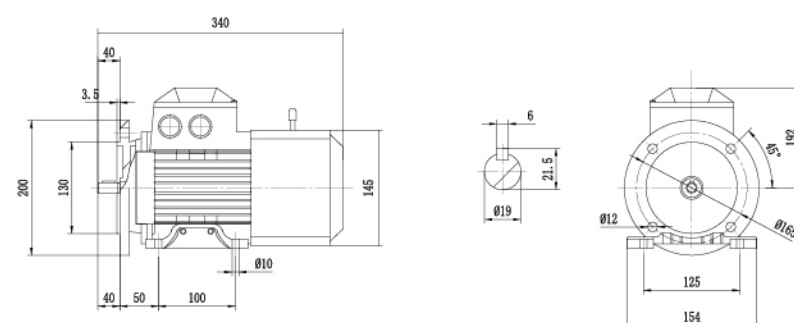
B35 YEJ 71



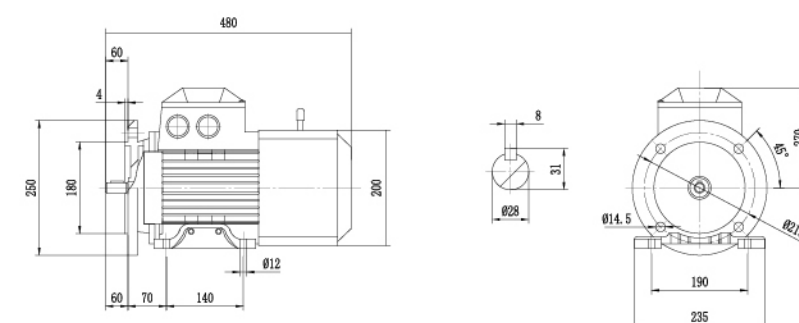
B35 YEJ 100L



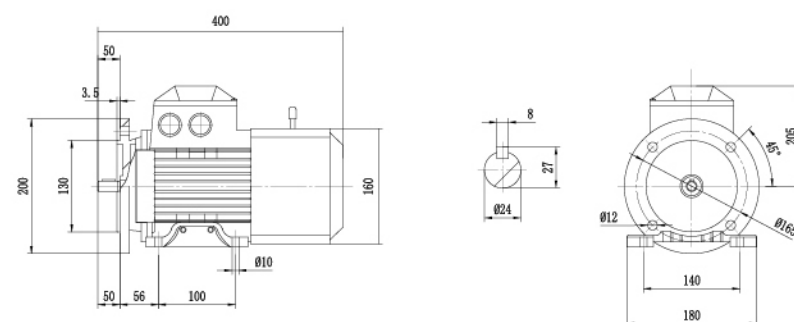
B35 YEJ 80M



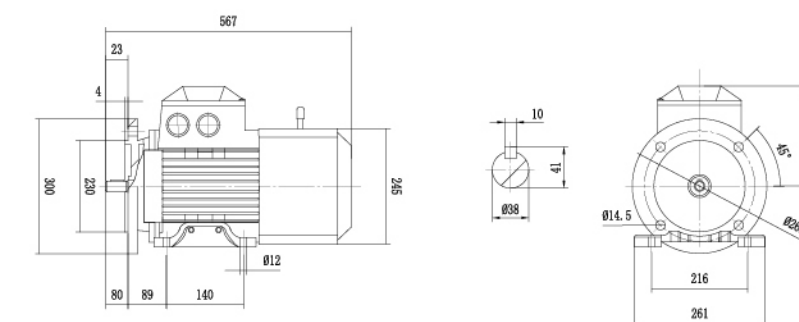
B35 YEJ 112M



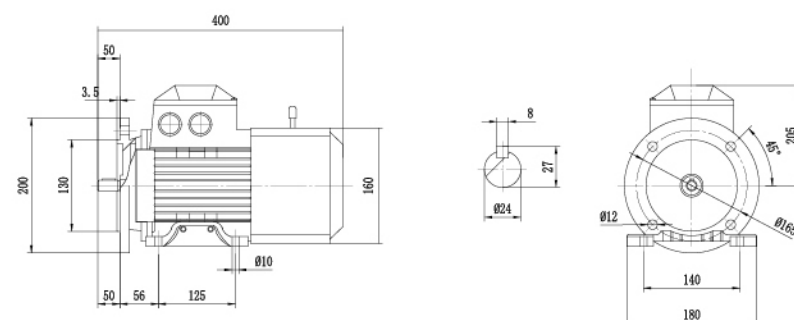
B35 YEJ 90S



B35 YEJ 132S



B35 YEJ 90L



B35 YEJ 132M

