

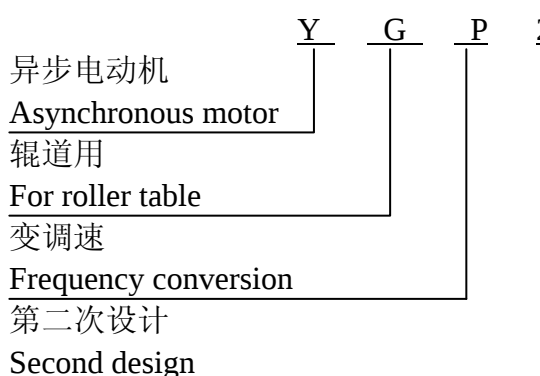
· 概述

随着电力电子技术的发展，以变频器和交流变频调速专用三相异步电动机组成的交流调速系统得到了极大的推广和应用。冶金行业的技术更新和设备改造也大量的采用变频调速的装置，为了满足冶金行业特别是冶金行业中辊道设备对调速技术应用的要求，我公司专门研制开发了 YGP2 系列辊道用变频调速三相异步电动机。该系列产品的开发综合了我公司几十年生产各种三相异步电动机和多来生产变频电机的丰富经验，电机的电磁设计、结构设计、绝缘结构设计、材料选用等方面都充分考虑了变频器供电的特点，又具有变频调速的适应能力。电动机既具有辊道用三相异步电动机过载能力大、机械强度高的特点，又具有变频调速电动机调速范围广、运行稳定的性能。在变频控制条件下，电动机既适合于 S1 连续工作制运行的输送辊道辊子，也特别适合于短时或断续周期运行、频繁起动、制动和正反、转运行的工作辊道辊子。

■ General Description

With the development of the electric power and the electron technology, the AC adjustable - speed system consisting of variable - frequency machine and AC variable - frequency adjustable - speed three - phase asynchronous motor has made a great popularization and application. And the variable - frequency adjustable - speed device has been also applied to the technical innovation and the equipment reformation in the metallurgical industry on a large scale. In order to satisfy the needs of application of adjustable - speed technology especially to rolling equipment in the metallurgical industry, our company has researched and developed YGP2 series rolling frequency conversion three - phase speed adjustment asynchronous motor which integrated our abundant experience. Also we made a full consideration of the characteristic and the adaptation to wide frequency conversion speed adjustment in the design of electromagnetism, structure, insulation structure and material election. This series not only has the advantages of strong overload capacity and high mechanical intensity but also has the performances of wide adjustable - speed range and reliable operation. Under the control of frequency conversion, it is suitable for the working roller not only of the basic duty type S1 but also especially of short time or intermittent running, frequency starting, brake, positive and contrary operation.

■ 型号说明



■ Type Instruction

■ 主要技术性能

1. 基准电压 380V、基准频率 50Hz。
也可根据用户要求确定基准点的电压和频率。
2. 电动机的基准工作制为连续工作制 S1，也可适应 S2~S9 的其它工作制运行的场合。
3. 电动机的绝缘等级为 H 级。
4. 电动机的外壳防护等级为 IP54，
也可按需要制 IP55、IP56，冷却方式为 IC410（全封闭表面冷却）。
5. 电动机的调速范围广，采用 V/f 控制，变频范围为 1~100Hz，其中 1~50Hz 为恒转矩调速，50~100Hz 为恒功率调速（即输出功率不变）。采用矢量控制时，变范围更宽，低频性能更好。

■ Technical performance

1. Basic voltage: 380V, basic frequency: 50Hz. The basic point can also be determined by users' demands.
2. Basic duty type: continuous running duty S1. And duty type S2 ~ S9 can also be applied.
3. Insulation class: H.
4. The degree of protection of enclosure is IP54, and also can be IP55 and IP56 accordance with users' requirement. Cooling method: IC410 (totally enclosed surface cooling).
5. Speed can be adjusted in a wide range, under the condition of open loop V/f control, maintaining torque constant 1-50Hz and output constant during 50-100Hz. And under the condition of vector control, speed range can be even expanded and have better performance at low frequency.

6. 电动机的过载能力大，过载能力可达到额定转矩的 3.0 倍（一般电动机为 2.0 倍）。

7. 低频起动力矩大，频率为 1Hz 时的起动转矩可达到额定转矩的 1.3~1.8 倍。

8. 低速性能好。低速时转矩平滑，无爬行现象。

9. 接线盒。接线盒标准位置：H100~225 机座的接线盒从传动端视之，在机座的左侧，H250~355 机座接线盒位置在非传动端机座的顶部。

6.Strong overload capacity, which can reach 3.5 to 4.0 times rated torque (2 times for general motor).

7.Large starting moment at low frequency. The starting moment can reach 1.3 to 1.8 times rated torque when frequency is at 1Hz.

8.Good performance at low speed. Keep torque smooth and no crawling phenomenon exists.

9.Terminal box: the terminal box of frame No. H100-225 is on the left of frame looking from the driving end. And the terminal box of frame No. H250-355 is on the top of frame at the non-driving end.

■ 结构及安装型式

1. YGP2 系列电动机有三种结构及安装型式，均为卧式安装：

B3：机座带底脚，端盖上无缘凸缘（H100~400）；

B5：机座不带底脚，端盖上有凸缘（H100~225）；

B35：机座带底脚，端盖上有凸缘（H100~355）。

2. 根据用户的要求可带齿轮减速机等附件。

■ Construction and Mounting Type

1. There are three mounting types for YGP2 series, which are all horizontal mounting.

B3: Frame with feet and endshield without flange (H100-400);

B5: Frame without feet and endshield with flange (H100-255);

B35: Frame with feet and endshield with flange (H100-355).

2. This series can be fitted with gear box or other accessories according to user's demands.

■ 技术数据表

电机的主要技术数据如表 1～表 6。表中数据是电压为 380V、频率为 50Hz、工作制为 S1 连续定额时的设计（堵转转矩/额定转矩除外），供用户选型时参考。

■ 输出特性

V/f 控制时的变频器的电压——频率特曲线见图 1，变频电动机的转矩——频率特曲线见图 2。

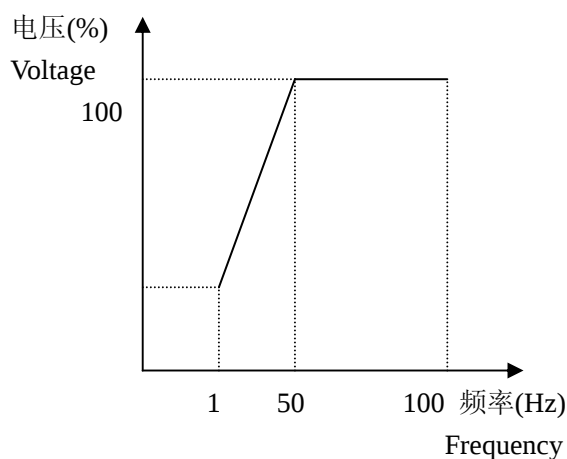


图 1 电压——频率特性
Chart One Voltage - frequency

■ Technical Data Form

You can find the main technical data from table 1 to 7. The data listing on these tables are just only provided for users to choose the motor's type, which are designed when the voltage is at 380V, the frequency is at 50 Hz and the duty type is continuous running duty S1 (except for locked - rotor torque/rated torque).

■ Out - put Characteristic

Chart One: the voltage - frequency characteristic curve,
Chart Two: the torque - frequency characteristic curve.

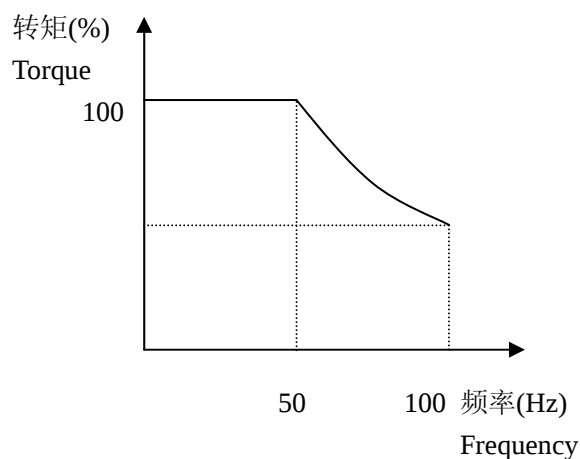


图 1 转矩——频率特性
Chart Two Torque - frequency

表 1 4 极电机技术数据（50Hz 时同步转速为 1500r/min）

Table 1 The technical data of 4 poles motor (The Syn. speed is 1500r/min at 50Hz)

型 号 Type	额定功率 Rated Power kW	额定电流 Rated Current A	额定转矩 Rated Torque N·m	额定转速 Rated Speed r/min	起动转矩 额定转矩 Starting Torque Rated torque	最大转矩 额定转矩 Max Torque Rated Torque	转动惯量 Moment of Inertia kg.m ²	重量 Weight (kg)
YGP2-112L1-4	1.1	2.4	7.3	1440	1.3-1.8	3.0	0.012	50
YGP2-112L2-4	1.5	3	10	1440	1.3-1.8	3.0	0.017	60
YGP2-132M1-4	2.2	4.5	14.5	1440	1.3-1.8	3.0	0.025	85
YGP2-132M2-4	3	6.0	20	1440	1.3-1.8	3.0	0.038	95
YGP2-160S1-4	4	8	26.2	1460	1.3-1.8	3.0	0.078	120
YGP2-160S2-4	5.5	11	36	1460	1.3-1.8	3.0	0.082	130
YGP2-160L1-4	7.5	14.5	49	1460	1.3-1.8	3.0	0.102	145
YGP2-160L2-4	9	17.5	59	1460	1.3-1.8	3.0	0.125	160
YGP2-180L1-4	11	21.3	71.7	1465	1.3-1.8	3.0	0.152	205
YGP2-180L2-4	15	28.5	97.8	1465	1.3-1.8	3.0	0.178	215
YGP2-200L1-4	18.5	35	120	1465	1.3-1.8	3.0	0.265	250
YGP2-200L2-4	22	41	143	1465	1.3-1.8	3.0	0.356	265
YGP2-225M1-4	25	45.1	162	1475	1.3-1.8	3.0	0.411	370
YGP2-225M2-4	30	53.8	194	1475	1.3-1.8	3.0	0.483	390
YGP2-250M-4	37	66.8	240	1475	1.3-1.8	3.0	0.71	577
YGP2-280S-4	45	82	291	1480	1.3-1.8	3.0	1.12	791
YGP2-280M-4	55	99	355	1480	1.3-1.8	3.0	1.43	820
YGP2-280L-4	75	132	484	1480	1.3-1.8	3.0	1.62	920
YGP2-315S-4	90	158	578	1485	1.3-1.8	3.0	3.62	1015
YGP2-315M-4	110	192	707	1485	1.3-1.8	3.0	4.25	1125
YGP2-355M-4	132	228	848	1485	1.3-1.8	3.0	7.53	1636
YGP2-355L-4	160	275	1028	1485	1.3-1.8	3.0	7.72	1766
YGP2-400L1-4	200	358	1282	1490	1.3-1.8	3.0	8.53	2005
YGP2-400L2-4	250	442	1602	1490	1.3-1.8	3.0	8.72	2115

表 2 6 极电机技术数据 (50Hz 时同步转速为 1000r/min)

Table 2 The technical data of 6 poles motor (The Syn. speed is 1000r/min at 50Hz)

型 号 Type	额定功率 Rated Power kW	额定电流 Rated Current A	额定转矩 Rated Torque N·m	额定转速 Rated Speed R/min	起动转矩 额定转矩 <u>Starting Torque</u> Rated torque	最大转矩 额定转矩 <u>Max Torque</u> Rated Torque	转动惯量 Moment of Inertia kg.m ²	重量 Weight (kg)
YGP2-112L1-6	0.75	1.8	7.5	955	1.3-1.8	3.0	0.011	52
YGP2-112L2-6	1.1	2.7	11	955	1.3-1.8	3.0	0.016	60
YGP2-132M1-6	1.5	3.5	15	970	1.3-1.8	3.0	0.026	82
YGP2-132M2-6	2.2	4.9	22	970	1.3-1.8	3.0	0.042	92
YGP2-160S1-6	3	6.6	29.5	970	1.3-1.8	3.0	0.085	120
YGP2-160S2-6	4	8.7	39.4	970	1.3-1.8	3.0	0.093	130
YGP2-160L1-6	5.5	11.7	54	970	1.3-1.8	3.0	0.115	160
YGP2-160L2-6	7.5	15.6	74	970	1.3-1.8	3.0	0.159	172
YGP2-180L1-6	9.0	18.4	88.2	975	1.3-1.8	3.0	0.203	210
YGP2-180L2-6	11	22.2	107.8	975	1.3-1.8	3.0	0.287	218
YGP2-200L1-6	15	30.3	147	975	1.3-1.8	3.0	0.312	240
YGP2-200L2-6	18.5	37	181	975	1.3-1.8	3.0	0.383	260
YGP2-225M1-6	22	42.8	213	985	1.3-1.8	3.0	0.524	305
YGP2-225M2-6	25	48.2	243	985	1.3-1.8	3.0	0.623	380
YGP2-250M-6	30	56.8	293	975	1.3-1.8	3.0	0.845	520
YGP2-280S-6	37	70.5	358	985	1.3-1.8	3.0	1.29	750
YGP2-280M-6	45	85	436	985	1.3-1.8	3.0	1.75	810
YGP2-280L-6	55	104	533	985	1.3-1.8	3.0	2.13	970
YGP2-315S-6	75	141	723	990	1.3-1.8	3.0	4.72	1005
YGP2-315M-6	90	168	868	990	1.3-1.8	3.0	5.39	1060
YGP2-355M-6	110	200	1060	990	1.3-1.8	3.0	6.36	1600
YGP2-355L-6	132	237	1273	990	1.3-1.8	3.0	7.81	1700
YGP2-400L1-6	160	300	1536	995	1.3-1.8	3.0	8.75	2010
YGP2-400L2-6	200	373	1919	995	1.3-1.8	3.0	8.92	2060

表 3 8 极电机技术数据 (50Hz 时同步转速为 750r/min)

Table 3 The technical data of 8 poles motor (The Syn. speed is 750r/min at 50Hz)

型 号 Type	额定功率 Rated Power kW	额定电流 Rated Current A	额定转矩 Rated Torque N·m	额定转速 Rated Speed r/min	起动转矩 额定转矩 <u>Starting Torque</u> Rated torque	最大转矩 额定转矩 <u>Max Torque</u> Rated Torque	转动惯量 Moment of Inertia kg.m ²	重量 Weight (kg)
YGP2-112L1-8	0.55	1.7	7.3	720	1.3-1.8	3.0	0.011	52
YGP2-112L2-8	0.75	2.2	10	720	1.3-1.8	3.0	0.016	60
YGP2-132M1-8	1.1	3.0	14.5	725	1.3-1.8	3.0	0.026	80
YGP2-132M2-8	1.5	3.8	20	725	1.3-1.8	3.0	0.042	90
YGP2-160S1-8	2.2	5.5	29	725	1.3-1.8	3.0	0.085	131
YGP2-160S2-8	3	7.3	39	725	1.3-1.8	3.0	0.094	142
YGP2-160L1-8	4	9.6	52.7	725	1.3-1.8	3.0	0.121	172
YGP2-160L2-8	5.5	13	72.5	725	1.3-1.8	3.0	0.196	190
YGP2-180L1-8	7.5	17	98	730	1.3-1.8	3.0	0.238	200
YGP2-180L2-8	9.0	20.2	118	730	1.3-1.8	3.0	0.297	210
YGP2-200L1-8	11	24.2	144	730	1.3-1.8	3.0	0.315	300
YGP2-200L2-8	15	32.5	195	730	1.3-1.8	3.0	0.341	310
YGP2-225M1-8	18.5	40.4	240	735	1.3-1.8	3.0	0.524	365
YGP2-225M2-8	22	48	286	735	1.3-1.8	3.0	0.623	390
YGP2-250M-8	25	54	325	735	1.3-1.8	3.0	0.896	580
YGP2-280S-8	30	65	387	740	1.3-1.8	3.0	1.41	795
YGP2-280M-8	37	79	478	740	1.3-1.8	3.0	1.75	861
YGP2-280L-8	45	96	580	740	1.3-1.8	3.0	2.25	980
YGP2-315S-8	55	116	705	745	1.3-1.8	3.0	4.82	1020
YGP2-315M-8	75	156	961	745	1.3-1.8	3.0	5.49	1100
YGP2-355M-8	90	181	1153	745	1.3-1.8	3.0	6.92	1620
YGP2-355L-8	110	218	1410	745	1.3-1.8	3.0	8.38	1700
YGP2-400L1-8	132	266	1692	745	1.3-1.8	3.0	9.18	2020
YGP2-400L2-8	160	329	2051	745	1.3-1.8	3.0	9.53	2070

表 4 10 极电机技术数据 (50Hz 时同步转速为 600r/min)

Table 4 The technical data of 10 poles motor (The Syn. speed is 600r/min at 50Hz)

型 号 Type	额定功率 Rated Power kW	额定电流 Rated Current A	额定转矩 Rated Torque N·m	额定转速 Rated Speed r/min	起动转矩 额定转矩 <u>Starting Torque</u> Rated torque	最大转矩 额定转矩 <u>Max Torque</u> Rated Torque	转动惯量 Moment of Inertia kg.m ²	重量 Weight (kg)
YGP2-132M1-10	0.75	2.6	12.4	580	1.3-1.8	3.0	0.026	80
YGP2-132M2-10	1.1	3.6	18	580	1.3-1.8	3.0	0.042	90
YGP2-160S1-10	1.5	4.8	24.6	580	1.3-1.8	3.0	0.085	120
YGP2-160S2-10	2.2	6.6	36	580	1.3-1.8	3.0	0.112	130
YGP2-160L1-10	3	8.8	49.2	580	1.3-1.8	3.0	0.128	160
YGP2-160L2-10	4	11.5	66	580	1.3-1.8	3.0	0.195	180
YGP2-180L1-10	5.5	14.9	89.8	585	1.3-1.8	3.0	0.297	215
YGP2-180L2-10	7.5	20	122	585	1.3-1.8	3.0	0.332	240
YGP2-200L1-10	9	23.6	147	585	1.3-1.8	3.0	0.341	310
YGP2-200L2-10	11	28.6	180	585	1.3-1.8	3.0	0.398	330
YGP2-225M1-10	15	38.8	245	585	1.3-1.8	3.0	0.661	400
YGP2-225M2-10	18.5	47.7	302	585	1.3-1.8	3.0	0.806	430
YGP2-250M-10	22	53.5	359	585	1.3-1.8	3.0	1.03	630
YGP2-280S-10	25	57	405	590	1.3-1.8	3.0	1.41	780
YGP2-280M-10	30	68	485	590	1.3-1.8	3.0	1.75	840
YGP2-280L-10	37	83	598	590	1.3-1.8	3.0	2.25	960
YGP2-315S-10	45	97	722	595	1.3-1.8	3.0	4.82	1020
YGP2-315M-10	55	116	882	595	1.3-1.8	3.0	5.49	1100
YGP2-315L-10	75	156	1203	595	1.3-1.8	3.0	6.25	1140
YGP2-355M-10	75	161	1203	595	1.3-1.8	3.0	7.34	1630
YGP2-355L-10	90	192	1445	595	1.3-1.8	3.0	8.38	1710
YGP2-400L1-10	110	234	1765	595	1.3-1.8	3.0	9.18	2030
YGP2-400L2-10	132	279	2118	595	1.3-1.8	3.0	9.53	2090

表 5 12 极电机技术数据 (50Hz 时同步转速为 500r/min)

Table5 The technical data of 12 poles motor (The Syn. speed is 500r/min at 50Hz)

型 号 Type	额定功率 Rated Power kW	额定电流 Rated Current A	额定转矩 Rated Torque N·m	额定转速 Rated Speed r/min	起动转矩 额定转矩 <u>Starting Torque</u> Rated torque	最大转矩 额定转矩 <u>Max Torque</u> Rated Torque	转动惯量 Moment of Inertia kg.m ²	重量 Weight (kg)
YGP2-132M1-12	0.55	2.5	10.8	485	1.3-1.8	3.0	0.026	80
YGP2-132M2-12	0.75	3.3	14.8	485	1.3-1.8	3.0	0.042	92
YGP2-160S1-12	1.1	5	21.7	485	1.3-1.8	3.0	0.085	120
YGP2-160S2-12	1.5	6.3	29.5	485	1.3-1.8	3.0	0.112	130
YGP2-160L1-12	2.2	8.8	43.3	485	1.3-1.8	3.0	0.128	160
YGP2-160L2-12	3	12	59	485	1.3-1.8	3.0	0.195	180
YGP2-180L1-12	4	12.6	78	490	1.3-1.8	3.0	0.297	212
YGP2-180L2-12	5.5	16.8	108	490	1.3-1.8	3.0	0.332	242
YGP2-200L1-12	7.5	20.8	146	490	1.3-1.8	3.0	0.341	305
YGP2-200L2-12	9	26	176	490	1.3-1.8	3.0	0.398	330
YGP2-225M1-12	11	31	215	490	1.3-1.8	3.0	0.661	400
YGP2-225M2-12	15	41.3	292	490	1.3-1.8	3.0	0.806	435
YGP2-250M-12	18.5	49.1	365	485	1.3-1.8	3.0	1.03	630
YGP2-280S-12	22	52	428	490	1.3-1.8	3.0	1.51	780
YGP2-280M-12	25	59	488	490	1.3-1.8	3.0	1.86	830
YGP2-280L-12	30	70	585	490	1.3-1.8	3.0	2.25	940
YGP2-315S-12	37	86	713	495	1.3-1.8	3.0	4.82	1025
YGP2-315M-12	45	104	868	495	1.3-1.8	3.0	5.49	1105
YGP2-315L-12	55	125	1061	495	1.3-1.8	3.0	5.97	1135
YGP2-355M-12	55	132	1061	495	1.3-1.8	3.0	7.34	1650
YGP2-355L-12	75	173	1446	495	1.3-1.8	3.0	8.42	1730
YGP2-400L1-12	90	225	1736	495	1.3-1.8	3.0	10.06	2050
YGP2-400L2-12	110	272	2122	495	1.3-1.8	3.0	11.12	2015

表 6 16 极电机技术数据 (50Hz 时同步转速为 375r/min)

Table6 The technical data of 16 poles motor (The Syn. speed is 375r/min at 50Hz)

型 号 Type	额定功率 Rated Power kW	额定电流 Rated Current A	额定转矩 Rated Torque N·m	额定转速 Rated Speed r/min	起动转矩 额定转矩 <u>Starting Torque</u> Rated torque	最大转矩 额定转矩 <u>Max Torque</u> Rated Torque	转动惯量 Moment of Inertia kg.m ²	重量 Weight (kg)
YGP2-160S1-16	0.75	4.3	19.9	360	1.3-1.8	3.0	0.085	120
YGP2-160S2-16	1.1	6.3	29.2	360	1.3-1.8	3.0	0.112	130
YGP2-160L1-16	1.5	8.2	39.7	360	1.3-1.8	3.0	0.128	160
YGP2-160L2-16	2.2	11.7	58.2	360	1.3-1.8	3.0	0.195	180
YGP2-180L1-16	3	15.6	78.5	365	1.3-1.8	3.0	0.267	240
YGP2-180L2-16	4	19.9	105	365	1.3-1.8	3.0	0.348	270
YGP2-200L1-16	5.5	22	144	365	1.3-1.8	3.0	0.341	315
YGP2-200L2-16	7.5	29	196	365	1.3-1.8	3.0	0.425	340
YGP2-225M1-16	9	37.3	236	365	1.3-1.8	3.0	0.661	390
YGP2-225M2-16	11	45.5	288	365	1.3-1.8	3.0	0.806	425
YGP2-250M-16	15	54.3	393	365	1.3-1.8	3.0	1.03	650
YGP2-280S-16	18.5	55	484	365	1.3-1.8	3.0	1.46	790
YGP2-280M-16	22	66	575	365	1.3-1.8	3.0	1.86	860
YGP2-280L-16	25	74	655	365	1.3-1.8	3.0	2.41	960
YGP2-315S-16	30	92	775	370	1.3-1.8	3.0	4.82	1040
YGP2-315M-16	37	112	955	370	1.3-1.8	3.0	5.49	1110
YGP2-315L-16	45	135	1162	370	1.3-1.8	3.0	7.34	1280
YGP2-355M-16	45	148	1162	370	1.3-1.8	3.0	8.38	1800
YGP2-355L-16	55	180	1420	370	1.3-1.8	3.0	8.72	1850
YGP2-400L1-16	75	267	1936	370	1.3-1.8	3.0	11.01	2050
YGP2-400L2-16	90	320	2323	370	1.3-1.8	3.0	11.80	2130

注：表中堵转转矩/额定转矩为 1Hz 时的值，其大小与变频器的控制方式有关，最大转矩/额定转矩为 50Hz 时的值。

Note: The locked – rotor torque/ rated torque are related to the control method of variable – frequency machine. And its value is just as the above at 1 Hz. The max rated value is what the list shows at 50 Hz.

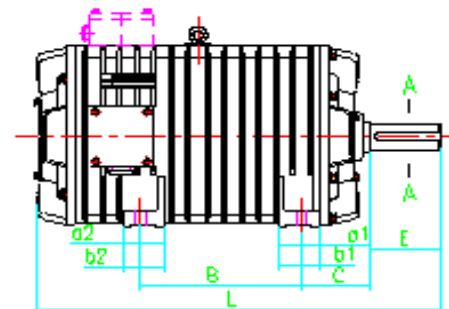
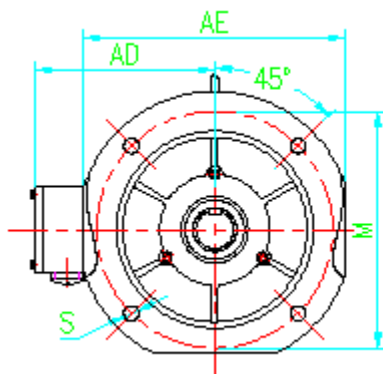
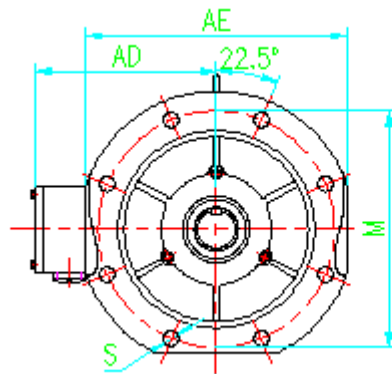


Chart7: Overall and Mounting Dimension of B3

机座号 Frame	安装尺寸					Mounting Dimensions					外形尺寸					Overall		Dimensions						
	A	B	C	D	E	F	G	GD	H	K	a1	a2	b1	b2	AB	AD	AE	BB	HA	HD	HE	L		
112L	190	159	70	$\Phi 32k6^{(+0.018}_{+0.002)}$	80	10	27	8	$112^{0}_{-0.5}$	12	19	19	55	55	235	190	240	200	16	230	—	380		
132M	216	178	89	$\Phi 38k6^{(+0.018}_{+0.002)}$			33		$132^{0}_{-0.5}$		22	28	64	64	265	208	265	230	18	265	—	450		
160S	254		254	108	$\Phi 48k6^{(+0.018}_{+0.002)}$	110	14	42.5	9	$160^{0}_{-0.5}$	15	27	27	64	64	315	230	340	$\frac{229}{310}$	22	325	—	$\frac{505}{625}$	
160L		33										33	70	70	360	260	370	345	22	365	—	660		
180L	279	279	121	$\Phi 55m6^{(+0.030}_{+0.011)}$	140	18	58	11	$200^{0}_{-0.5}$	19	33	39	81	81	415	310	400	380	26	410	—	740		
200L	318	305	133	$\Phi 65m6^{(+0.030}_{+0.011)}$		20	67.5	12	$225^{0}_{-0.5}$		40	32	82	82	450	320	440	385	28	467	—	760		
225M	356	311	149	$\Phi 75m6^{(+0.030}_{+0.011)}$			71		$250^{0}_{-0.5}$	24	46	46	115	115	517	—	490	441	30	495	605	830		
250M	406	349	168	$\Phi 80m6^{(+0.030}_{+0.011)}$	22						76	14	$280^{0}_{-0.5}$	50	126	63	140	185	565	—	561	$\frac{490}{535}$	34	558
280S	457	368	190	$\Phi 85m6^{(+0.030}_{+0.011)}$		170	25	81		$315^{0}_{-0.5}$					28	60	62	140	140	620	—	620	$\frac{528}{577}$	38
280M		419			$\frac{535}{580}$						$\frac{1030}{1100}$													
280L		457			$\frac{528}{577}$						$\frac{1030}{1100}$													
315S	508	406	216	$\Phi 90m6^{(+0.035}_{+0.013)}$	210	28	90	16	$355^{0}_{-1.0}$	28	75	62	140	140	620	—	620	$\frac{528}{577}$	38	675	745	$\frac{1030}{1100}$		
315M		457																$\frac{528}{577}$				$\frac{1030}{1100}$		
315L		508																$\frac{528}{577}$				$\frac{1030}{1100}$		
355M	610	560	254	$\Phi 100m6^{(+0.035}_{+0.013)}$	210	28	90	16	$355^{0}_{-1.0}$	28	75	75	65	160	160	740	—	715	$\frac{710}{768}$	40	730	820	$\frac{1230}{1280}$	
355L		630																	$\frac{710}{768}$				$\frac{1230}{1280}$	
400L	686	710	280	$\Phi 110m6^{(+0.035}_{+0.013)}$	250		100	16	$400^{0}_{-1.0}$	35	88	88	180	180	800	—	790	886	45	800	1000	1465		



YGP2-100-YGP2-180



YGP2-200-YGP2-225

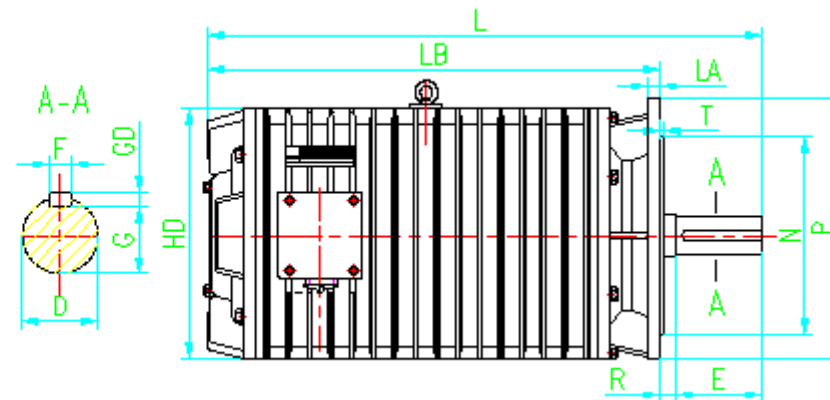


表 8 B5 型外形及安装尺寸 Char8: Overall and Mounting Dimension of B5

机座号 Frame	安装尺寸 Mounting Dimensions											外形尺寸 Overall Dimensions								
	D	E	F	G	GD	M	N	P	R	S	T	AD	AE	HD	LA	LB	L			
112L	$\Phi 32k6^{(+0.018}_{+0.002)}$	80	10	27	8	$\phi\ 215$	$\Phi 180\ j6^{(+0.014}_{-0.010)}$	$\phi\ 250$	0	15	4	192	250	230	15	300	380			
132M	$\Phi 38k6^{(+0.018}_{+0.002)}$			33		$\phi\ 265$	$\Phi 230\ j6^{(+0.016}_{-0.013)}$	$\phi\ 300$				208	265	265	15	370	450			
160S	$\Phi 48k6^{(+0.018}_{+0.002)}$	110	14	42.5	9	$\phi\ 300$	$\Phi 250\ j6^{(+0.016}_{-0.013)}$	$\phi\ 350$		19	5	230	340	325	15	395	505			
160L																515	625			
180L	$\Phi 55m6^{(+0.030}_{+0.011)}$		16	49	10							260	370	365	18	550	660			
200L	$\Phi 65m6^{(+0.030}_{+0.011)}$	140	18	58	11	$\phi\ 400$	$\Phi 350\ j6^{(+0.016}_{-0.013)}$	$\phi\ 450$				310	431	410	20	600	740			
225M	$\Phi 75m6^{(+0.030}_{+0.011)}$		20	67.5	12							320	472	451	22	620	760			

机座号 Frame	安装尺寸 Mounting Dimensions																外形尺寸 Overall Dimensions															
	A	B	C	D	E	F	G	GD	H	K	M	N	P	R	S	T	a1	a2	b1	b2	AB	AD	AE	BB	HA	HD	HE	LA	LB	L		
112L	190	159	70	$\phi 32k6^{(+0.018}_{+0.002)}$	80	10	27	8	$112^{0}_{-0.5}$	12	$\phi 215$	$\phi 180j6^{(+0.014}_{-0.011)}$	$\phi 250$	0	15	4	19	19	55	55	235	192	250	202	16	230	—	15	359	439		
132M	216	178	89	$\phi 38k6^{(+0.018}_{+0.002)}$					$132^{0}_{-0.5}$		$\phi 265$	$\phi 230j6^{(+0.016}_{-0.013)}$	$\phi 300$				22	28	64	64	265	220	265	225	18	265	—		420	500		
160S	254		108	$\phi 48k6^{(+0.018}_{+0.002)}$	110	14	42.5	9	$160^{0}_{-0.5}$	15	$\phi 300$	$\phi 250j6^{(+0.016}_{-0.013)}$	$\phi 350$		27	27	64	64	315	230	340	$229^{0}_{-0.10}$	22	325	—	455	565					
160L		254		$\phi 55m6^{(+0.030}_{+0.011)}$					16						49	10	$180^{0}_{-0.5}$	$\phi 400$	$\phi 350j6(\pm 0.018)$	$\phi 450$	33	33	70	70	360	260	370	350	22	365	—	18
200L	318	305	133	$\phi 65m6^{(+0.030}_{+0.011)}$	140	18	58	11	$200^{0}_{-0.5}$	19	$\phi 400$	$\phi 350j6(\pm 0.018)$	$\phi 450$		19	5	33	39	81	81	415	310	431	385	26	410	—	20	655	795		
225M	356	311	149	$\phi 75m6^{(+0.030}_{+0.011)}$					20								67.5	12	$225^{0}_{-0.5}$	$\phi 500$	$\phi 450js6(\pm 0.02)$	$\phi 550$	40	32	82	82	450	320	472	405	28	467
250M	406	349	168	$\phi 80m6^{(+0.030}_{+0.011)}$	170	22	71	14	$250^{0}_{-0.5}$	24	$\Phi 500$	$\phi 450js6(\pm 0.02)$	$\Phi 550$		24	6	46	46	115	115	517	—	520	470	30	495	615	24	735	905		
280S	457	368	190	$\phi 85m6^{(+0.030}_{+0.011)}$					76								$280^{0}_{-1.0}$	$\Phi 600$	$\phi 550js6(\pm 0.025)$	$\Phi 660$	50	$126^{0}_{-0.10}$	140	185	565	—	585	530	34	585	675	840
280M		419			63	140	161	580		885	1035																					
280L		457			90	160	190	678		990	1160																					
315S	508	406	216	$\phi 90m6^{(+0.035}_{+0.013)}$	25	86	$315^{0}_{-1.0}$	28	$\Phi 741$	$\phi 680js6(\pm 0.025)$	$\Phi 800$	24	6		60	62	140	140	620	—	620	528	38	625	745	26	860	1030				
315M		457													100	160	190	678	990	1160												
315L		508													75	160	160	740	—	740	800	40	730	920	28	1020	1130					
355M	610	560	254	$\phi 100m6^{(+0.035}_{+0.013)}$	210	28	90	16	$355^{0}_{-1.0}$	$\Phi 741$	$\phi 680js6(\pm 0.025)$	$\Phi 800$	24		6	75	75	160	160	740	—	740	800	40	730	920	28	1020	1130			
355L		630														65	160	160	740	—	740	800	40	730	920	28	1020	1130				