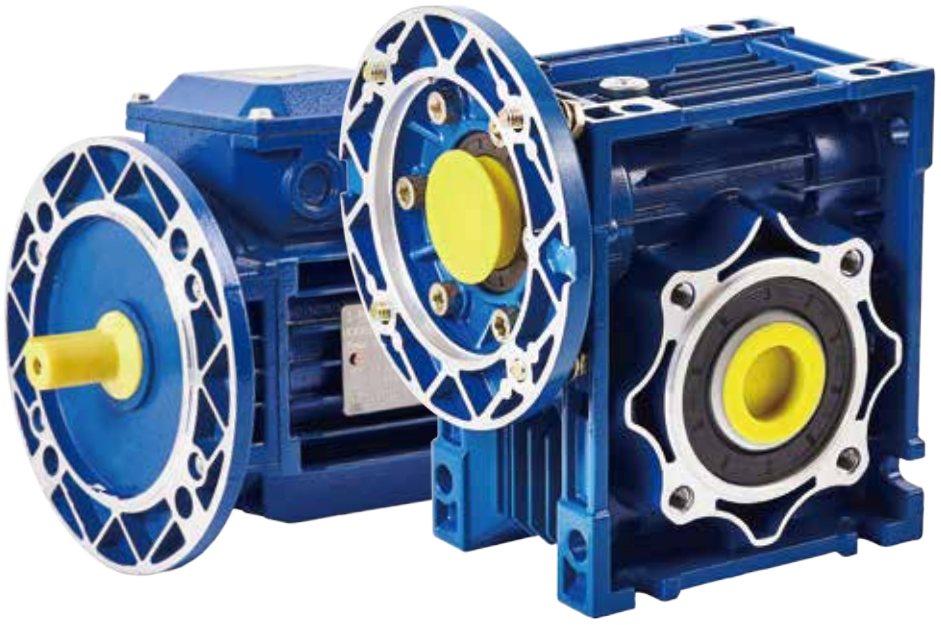


“Changeself”

自我变革 携手创新

做高端减变速机研发设计的先行者

亿万客户的选择



changeself

台州弘力机电有限公司

TaiZhou HongLi Electromechanical Co.Ltd

01

NOW TO THE FUTURE

就现在　向未来

台州弘力机电有限公司 & 感恩一路相伴

TaiZhou HongLi Electromechanical Co.Ltd & THANKSGIVING
ALL THE WAY HAND IN HAND



'HE FUTURE

DRAFT CO,LTD,ANNUAL
METING GRAND CEREMONY & THANKSGIVING ALL
THE WAY HAND IN HAND

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01-21
NMRV 系列蜗杆减速机



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YSEJ制动电机



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YL/ML系列单相异步铝壳电动机



1.产品图片
Products Pictures

◎ 单级减速机
◎ Single Speed Reducer
◎ 速比1/5-1/100

◎ 双级减速机
◎ Double Speed Reducer
◎ 速比1/300-1/5000

NMRV



NRV



NMRV..VS



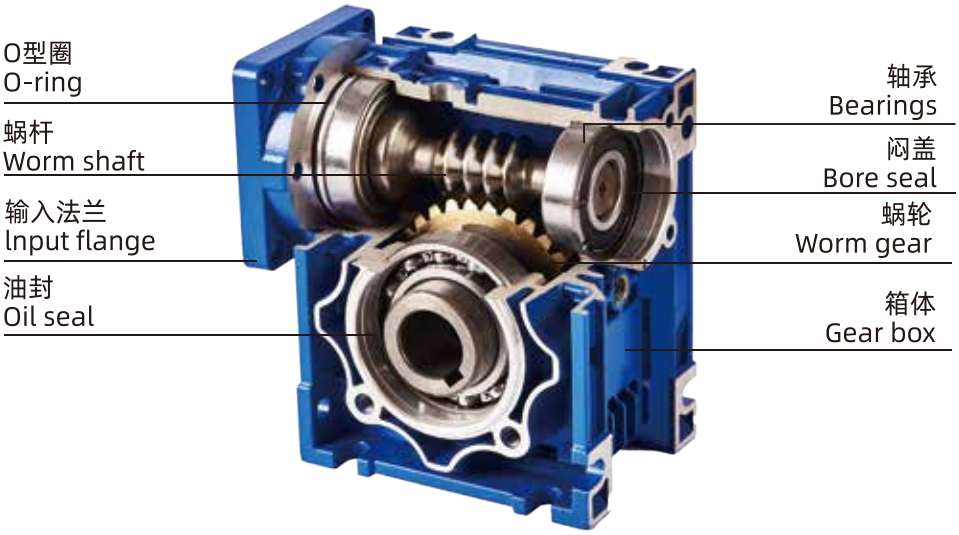
NMRV



NMRV



1.产品结构
Products Sturcture



3. 型号说明
Model Instructions

型号结构表 Model And Structure Table

NMRV-110-100-VS-F1-AS1-80B5-0.75kW-AS1			
NMRV	产品代码: NMRV-蜗杆减速机，NMRV+NMRV-双蜗杆减速机 Product Code:NMRV-Worm gear speed reducer,NMRV+NMRV-Combined worm gear speed reducer		
NRV	产品代码: NRV-配接输入轴蜗杆减速机,NRV+NMRV-配接输入轴双蜗杆减速机 Unit Structure:NRV-Worm gear speed reducer,NRV+NMRV-Combined worm gear speed reducer		
110	蜗杆减速机中心距: 单级以蜗轮副中心表示110;双级以两对蜗轮副中心距表示，如63/130 Center Distance:The center distance of 110 expresses single slep specifications,Double step specifications is expressed by the center distance of two pairs of worm gear 63/130		
100	减速比 Reduction ratio		
VS	双向输入轴 Double input shaft	F1	输出法兰位置（按产品样本图选定) Output flange(Solecting it according to product samplo figuro)
AS1	单向输出轴位置(按产品样本图选定) Single output shaft(Solocting it according to producl samplo figuro)	AB	双向输出轴 Double output shaft
80B5	电机机座号 Motor mounting facility	0.75KW	电机功率(需带电机时标明) Electric motor power(need molor,note "with molon)
B3	单级安装方式(双级为第二级) Single step mounting positionTT	AS1	双级装配型式 Double step mounting position

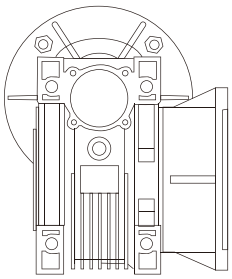
注：1、用户需要带电机时，请注明“带电机”字样，并注明所带电机的基本参数。
2、附件为按用户需求随减速机附带之零件，未直接装配在减速机上，用户可根据实际需要自行装配。
Note: 1.lf you need motor ,please note “with motor"and the model,power & poles of the motor.
2.Accessories are unassembled, you may assemble them according to your need.

国内外型号对照图 Comparative Table Of Model

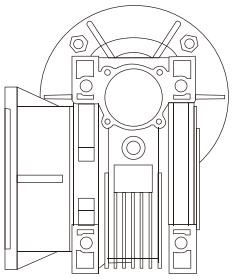
弘力 HONGLI	NMRV030	NMRV040	NMRV050	NMRV063	NMRV075	NMRV090	NMRV110	NMRV130	NMRV150
	NRV030	NRV040	NRV050	NRV063	NRV075	NRV090	NRV110	NRV130	NRV150
国外企业 Foreign	NMRV030	NMRV040	NMRV050	NMRV063	NMRV075	NMRV090	NMRV110	NMRV130	NMRV150
	NRV030	NRV040	NRV050	NRV063	NRV075	NRV090	NRV110	NRV130	NRV150
国内企业 Domestic	NMRV030	NMRV040	NMRV050	NMRV063	NMRV075	NMRV090	NMRV110	NMRV130	NMRV150
	NRV030	NRV040	NRV050	NRV063	NRV075	NRV090	NRV110	NRV130	NRV150
	WJ30	WJ40	WJ60	WJ63	WJ75	WJ90	WJ110	WJ130	WJ150
	FCNDK30	FCNDK40	FCNDK50	FCNDK63	FCNDK75	FCNDK90	FCNDK110	FCNDK130	FCNDK150
	FCNK30	FCNK40	FCNK50	FCNK63	FCNK75	FCNK90	FCNK110	FCNK130	FCNK150
	JRSTD030	JRSTD040	JRSTD050	JRSTD063	JRSTD075	JRSTD090	JRSTD110	JRSTD130	JRSTD150
	JRST030	JRST040	JRST050	JRST063	JRST075	JRST090	JRST110	JRST130	JRST150

输出法兰位置图 Position Of Output Flange

F1

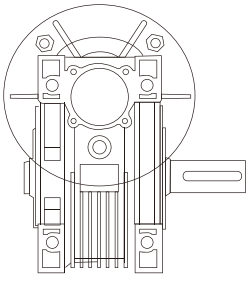


F2

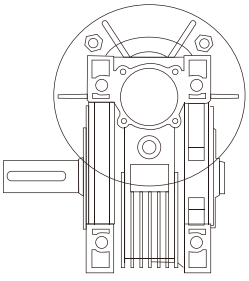


单向输出轴位置图 Position Of Single Output Shaft

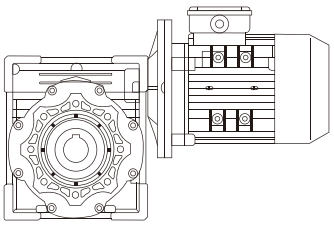
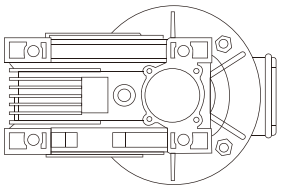
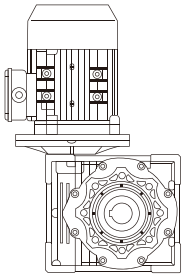
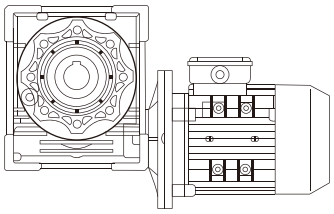
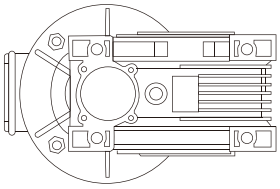
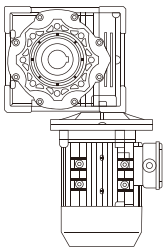
AS1



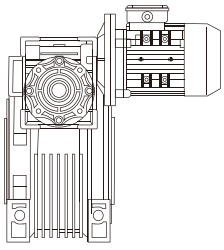
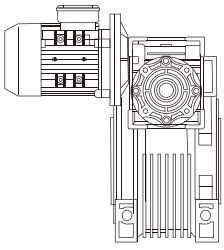
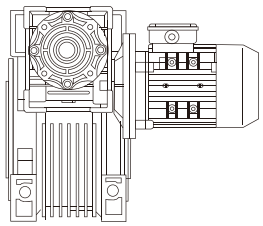
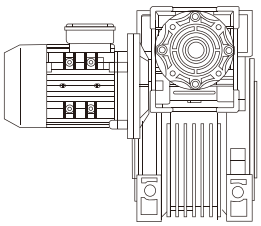
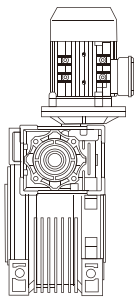
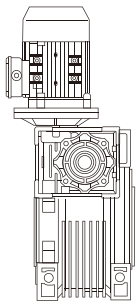
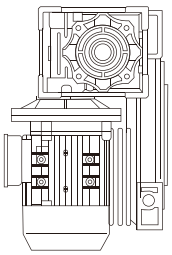
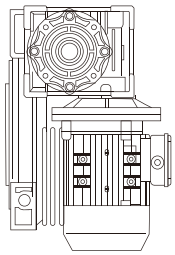
AS2



单级安装方式 Single Step Mounting Positions

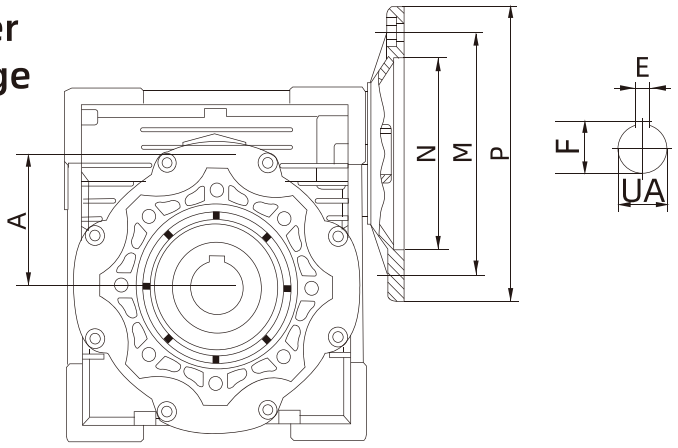
B3 	B6 	V5 
B8 	B7 	V6 

双级装配形式 Double Step Mounting Positions

AS1 	AS2 	BS1 	BS2 
VS1 	VS2 	PS1 	PS2 

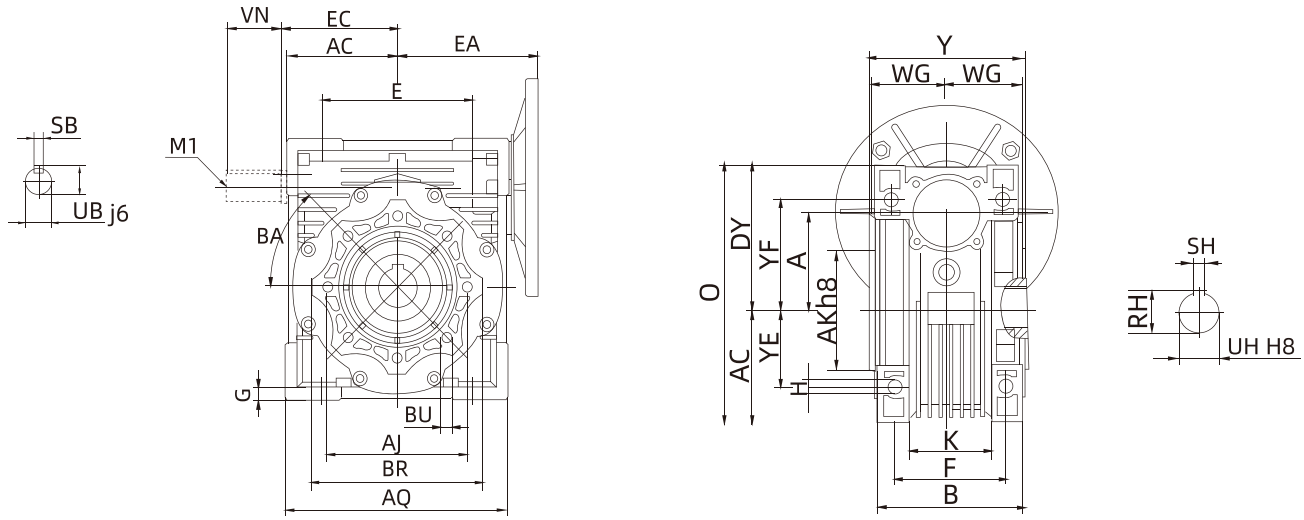
4.安装尺寸
Mounting Dimensions

◎蜗杆减速机 Worm Gear Reducer
◎电机输入法兰Motor Input Flange



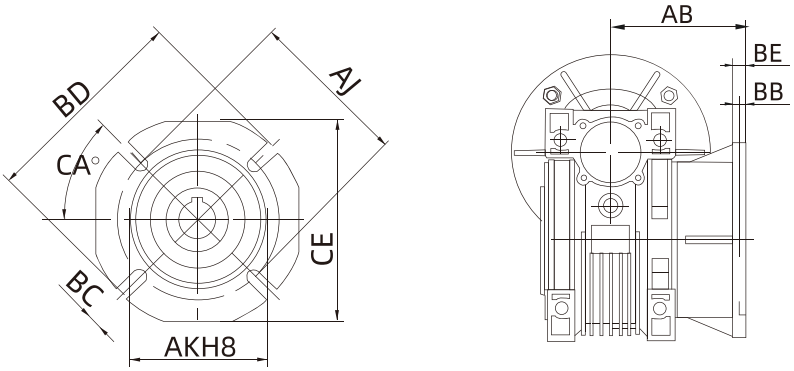
中心距 Center Distance A	电机法兰Motor Flange						输入轴孔直径UA The Hole Diameter Of Shaft											
	PAM IEC	N	M	P	E	F	传动比i Transmission Ratio											
							5	7.5	10	15	20	25	30	40	50	60	80	100
NMRV030	63B5	95	115	140	4	12.8	-	11	11	11	11	11	11	11	11	-	-	-
	63B14	60	75	90														
	56B5	80	100	120	3	10.4	-	9	9	9	9	9	9	9	9	9	9	-
	56B14	50	65	80														
NMRV040	71B5	110	130	160	5	16.3	14	14	14	14	14	14	14	14	-	-	-	-
	71B14	70	85	105														
	63B5	95	115	140	4	12.8	11	11	11	11	11	11	11	11	11	11	11	11
	63B14	60	75	90														
	56B5	80	100	120	3	10.4	-	-	-	-	-	-	-	-	9	9	9	9
NMRV050	80B5	130	165	200	6	21.8	19	19	19	19	19	19	19	-	-	-	-	-
	80B14	80	100	120														
	71B5	110	130	160	5	16.3	14	14	14	14	14	14	14	14	14	14	14	-
	71B14	70	85	105														
	63B5	95	115	140	4	12.8	-	-	-	-	-	-	-	11	11	11	11	11
NMRV063	90B5	130	165	200	8	27.3	24	24	24	24	24	24	24	-	-	-	-	-
	90B14	95	115	140														
	80B5	130	165	200	6	21.8	19	19	19	19	19	19	19	19	19	19	-	-
	80B14	80	100	120														
	71B5	110	130	160	5	16.3	-	-	-	-	-	-	-	14	14	14	14	14
	71B14	70	85	105														
NMRV075	100/112B5	180	215	250	8	31.3	-	28	28	28	-	-	-	-	-	-	-	-
	100/112B14	110	130	160														
	90B5	130	165	200	8	27.3	-	24	24	24	24	24	24	24	-	-	-	-
	90B14	95	115	140														
	80B5	130	165	200	6	21.8	-	-	-	-	19	19	19	19	19	19	19	19
	80B14	80	100	120														
	71B5	110	130	160	5	16.3	-	-	-	-	-	-	-	-	14	14	14	14
NMRV090	100/112B5	180	215	250	8	31.3	-	28	28	28	28	28	28	-	-	-	-	-
	100/112B14	110	130	160														
	90B5	130	165	200	8	27.3	-	24	24	24	24	24	24	24	24	24	-	-
	90B14	95	115	140														
	80B5	130	165	200	6	21.8	-	-	-	-	-	-	-	19	19	19	19	19
	80B14	80	100	120														
NMRV110	132B5	230	265	300	10	41.1	-	38	38	38	38	-	-	-	-	-	-	-
	100/112B5	180	215	250	8	31.3	-	28	28	28	28	28	28	28	28	28	-	-
	90B5	130	165	200	8	27.3	-	-	-	-	-	24	24	24	24	24	24	24
	80B5	130	165	200	6	21.8	-	-	-	-	-	-	-	-	-	-	19	19
NMRV130	132B5	230	265	300	10	41.1	-	38	38	38	38	38	38	38	-	-	-	-
	100/112B5	180	215	250	8	31.3	-	-	-	-	-	28	28	28	28	28	28	28
	90B5	130	165	200	8	27.3	-	-	-	-	-	-	-	-	-	-	24	24
NMRV150	160B5	250	300	350	12	45.1	-	42	42	42	42	42	-	-	-	-	-	-
	132B5	230	265	300	10	41.1	-	-	-	-	38	38	38	38	38	38	-	-
	100/112B5	180	215	250	8	31.3	-	-	-	-	-	-	-	-	28	28	28	28

NMRV安装尺寸 Mounting Dimenslions



NMRV	030	040	050	063	075	090	110	130	150
A	30	40	50	63	75	90	110	130	150
AC	40	50	60	72	86	103	127.5	147.5	170
AJ	65	75	85	95	115	130	165	215	215
AK	55	60	70	8-	95	110	130	180	180
AQ	80	100	120	144	172	206	252	292	340
B	56	71	85	103	112	130	144	155	185
BA	0°	45°	45°	45°	45°	45°	45°	45°	45°
BR	75	87	100	110	140	160	200	250	250
BU	M6x11(n.4)	M6x8(n.4)	M8x10(n.4)	M8x14(n.8)	M8x14(n.8)	M10x18(n.8)	M10x18(n.8)	M12x21(n.8)	M12x21(n.8)
DY	57	71.5	84	102	119	135	167.5	187.5	230
E	54	70	80	100	120	140	170	200	240
EA	55	70	80	95	112.5	130	160	180	210
EC	45	53	64	75	90	108	135	155	175
F	44	60	70	85	90	100	115	120	145
G	5.5	6.5	7	8	10	11	15	15	18
H	6.5	7	8.5	8.5	11	13	14	16	18
K	32	43	49	67	72	74	–	–	–
M1	–	–	M6	M6	M8	M8	M10	M10	M12
O	97	121.5	144	174	205	238	295	335	400
RB	10.2	12.5	16	21.5	27	27	31	33	38
RH	16.3	20.8	28.3	28.3	31.3	38.3	45.3	48.8	53.8
SB	3	4	5	6	8	8	8	8	10
SH	5	6	8	8	8	10	12	14	14
UB	9	11	14	19	24	24	28	30	35
UH	14	18	25	25	28	35	42	45	50
VN	20	23	30	40	50	50	60	80	80
WG	29	36.5	43.5	53	57	67	74	81	96
Y	63	78	92	112	120	140	155	170	200
YE	27	35	40	50	60	70	85	100	120
YF	44	55	64	80	93	102	125	140	180
重量(kg)	1.3	2.3	3.5	6.2	9	13	35	48	84

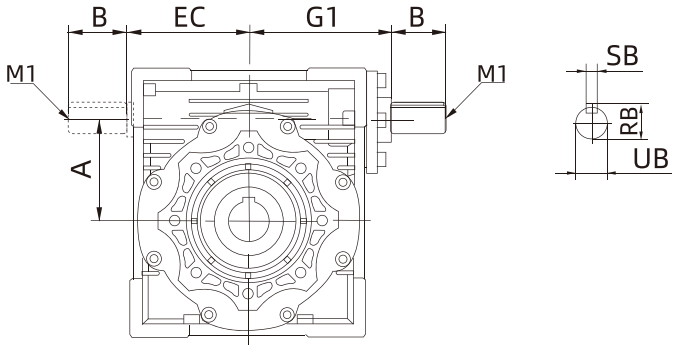
输出法兰安装尺寸 Output Flange Mounting Dimensions



NRV	030	040	050	063	075	090	110	130	150
AB	54.5	67	90	82	111	111	131	140	155
AJ	68	80	90	150	165	175	230	255	255
AK	50	60	70	115	130	152	170	180	180
BB	4	4	5	6	6	6	6	6	6
BD	80	110	125	180	200	210	280	320	320
BE	6	7	9	10	13	13	15	15	15
BC	6.5(n.4)	9(n.4)	11(n.4)	11(n.4)	14(n.4)	14(n.4)	Φ14(n.8)	Φ16(n.8)	Φ16(n.8)
CA	45°	45°	45°	45°	45°	45°	45°	22.5°	22.5°
CE	70	95	110	142	170	200	260	290	290

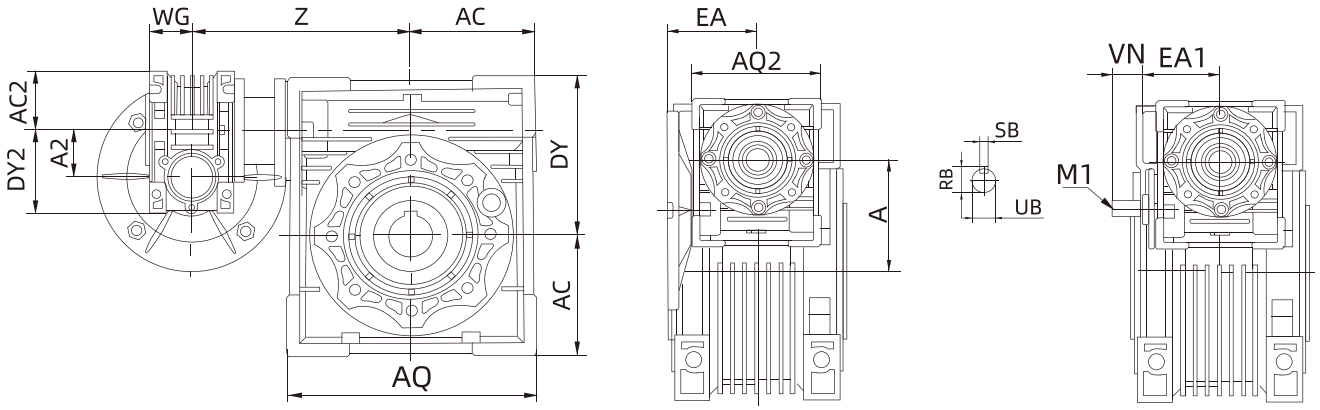
注:BC尺寸110~150为圆孔

NRV轴输入尺寸 NRV lnput Shaft Dimensions



NRV	030	040	050	063	075	090	110	130	150
A	30	40	50	63	75	90	110	130	150
B	20	23	30	40	50	50	60	80	80
UB(j6)	9	11	14	19	24	24	28	30	35
G1	51	61	74	90	105	125	142	162	195
EC	45	53	64	75	90	108	135	155	175
M1	—	—	M6	M6	M8	M8	M10	M10	M12
SB	3	4	5	6	8	8	8	8	10
RB	10.2	12.5	16	21.5	27	27	31	33	38

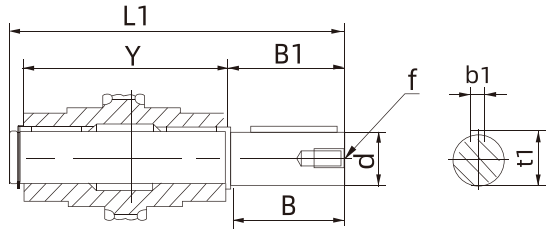
◎双级蜗杆减速机Double Step worm Gear Reducer
◎NMRV+NMRV安装尺寸Mounting Dimensions



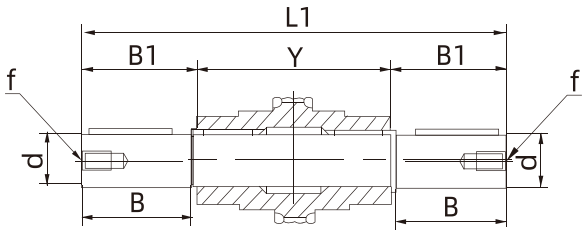
	30/40	30/50	30/63	40/75	40/90	50/110	63/130	63/150
A	40	50	63	75	90	110	130	150
A2	30	30	30	40	40	50	63	63
AC	50	60	72	786	103	127.5	147.5	170
AC2	40	40	40	50	50	60	72	72
AQ	100	120	144	172	206	252	292	340
AQ2	80	80	80	100	100	120	144	144
DY	71.5	84	102	119	135	167.5	187.5	230
DY2	57	57	57	71.5	71.5	84	102	102
EA	55	55	55	70	70	80	95	95
EA1	51	51	51	61	61	74	90	90
M1	–	–	–	–	–	M6	M6	M6
RB	10.2	10.2	10.2	12.5	12.5	16	21.5	21.5
SB	3	3	3	4	4	5	6	6
UB	9	9	9	11	11	14	19	19
VN	20	20	20	23	23	30	40	40
WG	29	29	29	36.5	36.5	43.5	53	53
Z	122	132	145	167.5	184.5	184.5	245	275

附件 Accessories

单(AS)双(AB)出轴尺寸Single & Double Output Shaft Dimensions



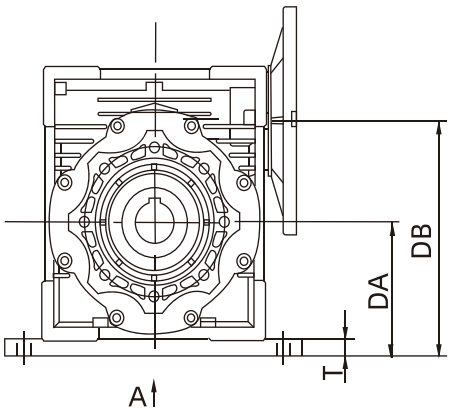
AS



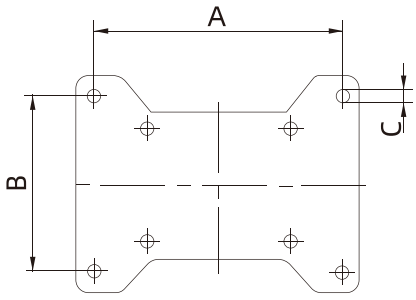
AB

	030	040	050	063	075	090	110	130	150
d(h6)	14	18	25	25	28	35	42	45	50
B	30	40	50	50	60	80	80	80	87
B1	32.5	43	53.5	53.5	63.5	84.5	84.5	85	87
Y	63	78	92	112	120	140	155	170	200
L	102	128	153	173	192	234	249	265	297
L1	128	164	199	219	247	309	324	340	374
f	M6	M6	M10	M10	M10	M12	M16	M16	M16
b1	5	6	8	8	8	10	12	14	14
t1	16	20.5	28	28	31	38	45	48.5	53.5

基座(C) Base Plate



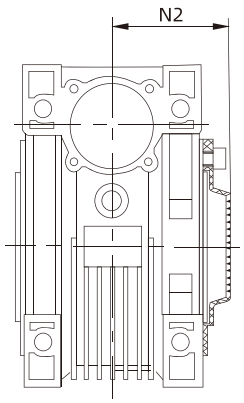
A



A向

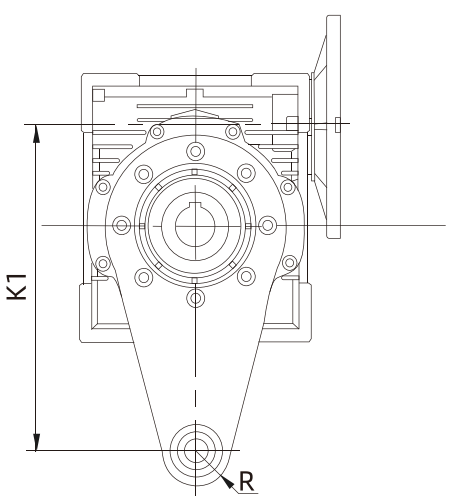
	030	040-A	040-B	050	063-A	063-B	075	075
A	111	111	146	162	179	203	214	241
B	84	84	114	119	124	133	149	156
C	8.5	8.5	10.5	12.5	12.5	12.5	12.5	12.5
DA	57	67	70	76	89	93	101.5	117.5
DB	87	107	110	126	152	156	176.5	207.5
T	17	17	20	16	17	21	15.5	14.5

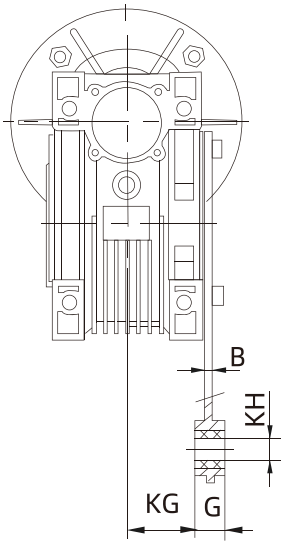
防护罩(D) Protective Coyer(D)



NMRV	030	040	050	063	075	090	110	130	150
N2	42	50	58	69	74	86	94	102	117

扭力臂(E) Torque Arm(E)





NMRV	030	040	050	063	075	090	110	130	150
K1	85	100	100	150	200	200	250	250	250
R	15	18	18	18	30	30	35	35	35
KG	24	31.5	38.5	49	47.5	57.5	62	62	62
G	14	14	14	14	25	25	30	30	30
KH	8	10	10	10	20	20	25	25	25
B	4	4	4	6	6	6	6	6	6

5.选型方法
Model Selections

◎为正确选择NMRV蜗杆减速机，敬请用户首先了解以下几点:

1.负荷条件
2.使用转速范围或速比（双级组合可获得超低输出转速)
3.工作运转情况及环境(温度、湿度、腐蚀等)
4.安装空间

◎ 确定工作情况系数k1及工作情况修正系数k2

1.根据表1，决定机械负荷种类A、B、C。
2..根据运转时间（小时/天）和启动频率（次数/小时）从图1中求得工作情况系数k1。
3.根据表2，查取工作情况修正系数k2。

◎Please understand the following at first in order to select the model of NMRV Worm-gear speed reducer properly:
1.Load condition.
2.Speed scope or ratio in application.
3.Working condition and environment.
4.Installation space

◎Define working si condition Coefficient k1 and revise coefficient k2.

1.Ensure machinery load types A,B,Caccording to table 1.

2.Get the working condition coefficient k1 from diagram 1 according to turning time(hour/day)and start frequency(times/hour).

3.Inspect working condition and select coefficient k2 from table 2.

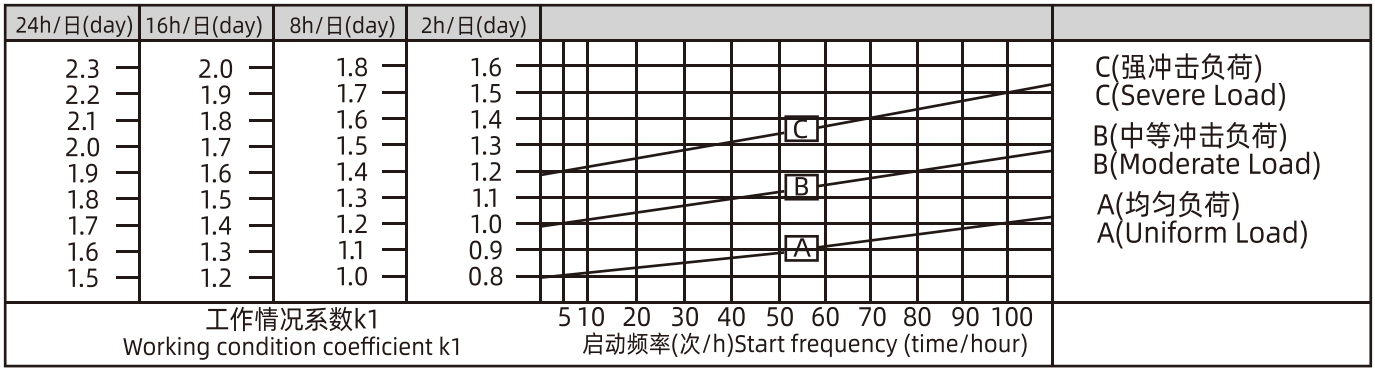
◎ 机械负荷种类选定（表1)
Table 1 machinery load classification selection

使用情况 Using Situation	示例 Example	负荷种类 Load Type
无冲击均匀负荷 Uniform Load	传送带（均速输送) Convey Band(Uniform Conveying)	A(均匀负荷) A(Unitorm Load)
中等冲击负荷 Moderak Load	传送带（变速输送) Speed Changed Conveying	B(中等冲击负荷) B(Moderate Load)
强烈冲击负荷 Severe Load	压缩机、粉碎机等 Compressor、Pulverizer.etc	C(强烈冲击负荷) C(Severe Load)

◎工作情况修正系数k2选定（表2)
Table 2 working condition coefficient k2

环境温度 Ambient Temperature	工作情况修正数k2 Working Condition Coefficient k2
-10℃~30℃	1
30℃~40℃	1.1~1.2

◎工作情况系数k1选定(图1) Diagram 1 working condition coefficient k1



◎选定减速机

1.用户须先确定工作机输入机械负荷T（转矩），以T乘以工作情况系数k1，再乘以工作情况修正系数k2,即获得减速机应有的输出转矩值，以此为据，并结合速比值或输出转速值，选定所需减速机规格。

2.用户也可以根据已知的输入功率，结合速比值或输出转速值，计算输出转矩，选定减速机。

◎选型示例

例1.通用传送带（均匀负荷）

转矩：19N·m，　运转时间：8小时/天，　启动频率：10次/小时，
转速：约55r/min，　环境温度：室内25℃，电机直联　减速比：1/25。

①根据表1，决定负荷种类；
①负荷种类:无冲击均匀负荷，选A；
②根据图1，在A线上取频率10次/小时的交点，求出运转时间8小时/天的系数k1=1；
③根据表2，查得系数k2=1；
④则转矩值为19xk1xk2=19x1x1=19N ·m,可选择最接近19N·m的减速机。

选定结果:NMRV30-1/25输入功率0.18kW，输出转速56转/分，输出转矩21N·m

例2.输送带（中等冲击负荷）

转矩：70N·m，　运转时间：16小时/天，　启动频率：100次/小时，
转速：约21r/min，　环境温度：室内35℃，电机直联　减速比：1/60。

①根据表1，决定负荷种类；
①负荷种类:轻度冲击负荷，选B；
②根据图1，在B线上取频率100次/小时的交点，求出运转时间16小时/天的系数k1=1.65；
③根据表2，查得系数k2=1.15；
④则转矩值为70xk1xk2=70x1.65x1.15=133N ·m,可选择最接近133N·m的减速机。

选定结果:NMRV63-1/60输入功率0.55kW，输出转速23转/分，输出转矩140N·m

◎Reducer Selected

1.At first it is better to make sure the value input machinery load T(torque) and then you can get the output torque through M(multiply) with work situation coefficient ki and work situation revise coefficient k2.The required model can be gained by the above and connecting ratio or output speed.

2.You can also select the reducer as followings: calculate output torque according to known input power and then select the reducer in accordance with output torque rotate speed.

◎Examples for Model Chosen

Ex1. Common convey band (uniform load)

Torque: 19N · m　Turning time: 8hours/day　Start frequency: 10times/hours　Ratio: 1/25
Speed: About 55r/min　Environment temperature: indoor25℃,Connect with motor directly

① As per table 1;Select load classification.Load classification:Unifomlod,choose A.
② As per the cross point of 10 times/hour frequency on line A in diagram 1.get coefficient k1 value is 1 that turning time is 8 hours/day
③ Get the coefficient k2 according to table 2.
④ So the torque value is 19 N·m .
Choose model:NMRV30-1/25 Input power is 0.18kW,output speed is 56r/min, output torque is 21N· m

Ex2. Covey band(moderate load)

Torque: 70N · m　Turning time: 16hours/day　Start frequency: 100times/hours
Speed: About 21r/min　Environment temperature: indoor35℃,Connect with motor directly　Ratio: 1/60

① As per load classification 1，moderate load，choose B
② As per the cross point of 100 times/hour frequency on line B in diagram 1.get coefficient k1 value is 1 is 1.68 that turning time is 16 hours/day.
③ Get the coefficient k2 1.15 according to table 2.
④ So the torque value is 70N · mYou can select the model that torque value most close to 133N·mo
Choose model:NMRV63-1/60 Input power is 0.55kW,output speed is 23r/min, output torque is 140N· m

6.选型参数
parameter Selections

◎ NMRV单级减速机（法兰输入，输入转速1400r/min)/(配4极电机)
◎ NMRV Single Reducer(flange input,input speed is 1400r/min)/(matched with 4 poles motor)

机型代号 Model	输出转速 N2 (r/min)	输出转矩 M2 (N·m)	传动比 i	输出轴径向力 (KN)	使用系数 f.s.
0.06kw					
NMRV30	186.7	2.6	7.5	0.68	6.9
	140	3.4	10	0.75	5.4
	93.3	4.7	15	0.86	3.8
	70	6	20	0.94	3.0
	56	7	25	1.02	3.0
	46.7	8	30	1.08	2.5
	35	9.7	40	1.19	1.9
	28	11	50	1.28	1.5
	23.3	13	60	1.36	1.3
	17.5	14	80	1.50	0.9
0.09kw					
NMRV30	186.7	3.9	7.5	0.68	4.6
	140	5	10	0.75	3.6
	93.3	7.1	15	0.86	2.5
	70	9	20	0.94	2.0
	56	10	25	1.02	2.0
	46.7	12	30	1.08	1.7
	35	14	40	1.19	1.2
	28	17	50	1.28	1.0
	23.3	19	60	1.36	0.9
NMRV40	28	19	50	2.47	2.0
	23.5	21	60	2.63	1.7
	17.5	26	80	2.89	1.3
	14	29	100	3.11	1.0
0.12kw					
NMRV30	186.7	5.2	7.5	0.68	3.4
	140	6.7	10	0.75	2.7
	93.3	9.5	15	0.86	1.9
	70	12	20	0.94	1.5
	56	14	25	1.02	1.5
	46.7	16	30	1.08	1.3
	35	19	40	1.19	0.9
	28	23	50	1.28	0.8
NMRV40	46.7	17	30	2.08	2.6
	35	21	40	2.29	1.9
	28	25	50	2.47	1.5
	23.5	28	60	2.63	1.3
	17.5	34	80	2.89	1.0
	14	38	100	3.11	0.8
NMRV50	23.3	29	60	3.61	2.3
	17.5	34	80	3.97	1.9
	14	40	100	4.28	1.4
0.18kw					
NMRV50	186.7	7.8	7.5	0.68	2.3
	140	10	10	0.75	1.8
	93.3	14	15	0.86	1.3
	70	18	20	0.94	1.0
	56	21	25	1.02	1.0
	46.7	24	30	1.08	0.8

机型代号 Model	输出转速 N2 (r/min)	输出转矩 M2 (N·m)	传动比 i	输出轴径向力 (KN)	使用系数 f.s.
0.18kw					
NMRV40	70	19	20	1.82	2.0
	56	23	25	1.96	1.7
	46.7	26	30	2.08	1.7
	35	32	40	2.29	1.3
	28	38	50	2.47	1.0
	23.3	43	60	2.63	0.8
NMRV50	35	33	40	3.15	2.3
	28	39	50	3.39	1.9
	23.3	43	60	3.61	1.6
	17.5	52	80	3.97	1.2
	14	60	100	4.28	0.9
0.25kw					
NMRV40	280	8	5	1.15	4.5
	186.7	11	7.5	1.31	3.6
	140	14	10	1.44	2.8
	93.3	21	15	1.65	1.9
	70	27	20	1.82	1.5
	56	32	25	1.92	1.2
	46.7	36	30	2.06	1.3
	35	44	40	2.29	0.9
NMRV50	70	27	20	2.50	2.7
	56	32	25	2.69	2.2
	46.7	37	30	2.86	2.3
	35	46	40	3.15	1.7
	28	54	50	3.39	1.4
	23.3	60	60	3.61	1.1
	17.5	72	80	3.97	0.9
NMRV63	28	56	50	4.44	2.4
	23.3	63	60	4.71	2.0
	17.5	78	80	5.19	1.6
	14	87	100	5.59	1.4
NMRV75	17.5	82	80	6.13	2.3
	14	94	100	6.60	1.9
0.37kw					
NMRV40	280	11	5	1.15	3.0
	186.7	16	7.5	1.31	2.4
	140	21	10	1.44	1.9
	93.3	31	15	1.65	1.3
	70	39	20	1.82	1.0
	56	47	25	1.96	0.8
	46.7	53	30	2.08	0.8
NMRV50	140	22	10	1.98	3.3
	93.3	31	15	2.27	2.4
	70	40	20	2.50	1.8
	56	48	25	2.69	1.5
	46.7	55	30	2.86	1.5
	35	68	40	3.15	1.1
	28	80	50	3.39	0.9
	23.3	89	60	3.61	0.8

机型代号 Model	输出转速 N_2 (r/min)	输出转矩 M2 (N·m)	传动比 i	输出轴径向力 (KN)	使用系数 f.s.
0.37kw					
NMRV63	35	71	40	4.12	2.1
	28	83	50	4.44	1.6
	23.3	94	60	4.71	1.4
	17.5	115	80	5.19	1.1
	14	129	100	5.59	0.9
NMRV75	23.3	98	60	5.57	2.0
	17.5	121	80	6.13	1.6
	14	139	100	6.60	1.3
0.55kw					
NMRV50	280	17	5	1.58	3.7
	186.7	25	7.5	1.80	2.9
	140	32	10	1.98	2.2
	93.3	46	15	2.27	1.6
	70	59	20	2.50	1.2
	56	71	25	2.69	1.0
	46.7	81	30	2.86	1.0
NMRV63	70	61	20	3.27	2.2
	56	73	25	3.52	1.8
	46.7	83	30	3.74	1.9
	35	105	40	4.12	1.4
	28	124	50	4.44	1.1
	23.3	140	60	4.71	0.9
NMRV75	35	108	40	4.86	2.0
	28	129	50	5.24	1.6
	23.3	146	60	5.56	1.4
	17.5	180	80	6.13	1.1
	14	206	100	6.60	0.9
NMRV90	17.5	189	80	6.78	1.5
	14	221	100	7.30	1.2
NMRV110	17.5	201	80	8.57	2.6
	14	236	100	9.23	2.0
0.75kw					
NMRV50	280	23	5	1.58	2.7
	186.7	34	7.5	1.80	2.1
	140	44	10	1.98	1.6
	93.3	63	15	2.27	1.2
	70	81	20	2.50	0.9
NMRV63	93.3	63	15	2.97	2.2
	70	83	20	3.27	1.6
	56	100	25	3.52	1.3
	46.7	114	30	3.74	1.4
	35	143	40	4.12	1.0
NMRV75	56	102	25	4.16	2.0
	46.7	117	30	4.42	2.0
	35	147	40	4.86	1.5
	28	177	50	5.24	1.2
	23.3	200	60	5.56	1.0
NMRV90	28	184	50	5.79	1.8
	23.3	212	60	6.16	1.5
	17.5	258	80	6.78	1.1
	14	302	100	7.30	0.9
NMRV110	17.5	274	80	8.57	1.9
	14	322	100	9.23	1.5

机型代号 Model	输出转速 N_2 (r/min)	输出转矩 M2 (N·m)	传动比 i	输出轴径向力 (KN)	使用系数 f.s.
1.1kw					
NMRV63	280	33	5	2.00	3.3
	186.7	150	7.5	2.35	2.6
	140	65	10	2.59	2.0
	93.3	93	15	2.97	1.5
	70	122	20	3.27	1.1
	56	146	25	3.52	0.9
	46.7	167	30	3.74	1.0
NMRV75	93.3	95	15	3.50	2.1
	70	123	20	3.86	1.7
	56	150	25	4.16	1.3
	46.7	171	30	4.42	1.3
	35	216	40	4.86	1.0
NMRV90	35	225	40	5.38	1.6
	28	270	50	5.79	1.3
	23.3	311	60	6.16	1.0
NMRV110	28	281	50	7.32	2.3
	23.3	324	60	7.78	1.9
	17.5	402	80	8.57	1.3
	14	473	100	9.23	1.0
NMRV130	17.5	408	80	11.20	2.1
	14	480	100	12.07	1.5
1.5kw					
NMRV63	280	45	5	2	2.4
	186.7	68	7.5	2.35	1.9
	140	89	10	2.59	1.5
	93.3	127	15	2.97	1.1
	70	166	20	3.27	0.8
NMRV75	140	90	10	3.06	2.2
	93.3	130	15	3.50	1.5
	70	168	20	3.86	1.3
	56	205	25	4.16	1.0
	46.7	233	30	4.42	1.0
NMRV90	70	172	20	4.27	2.1
	56	210	25	4.60	1.6
	46.7	239	30	4.89	1.7
	35	307	40	5.38	1.2
	28	368	50	5.79	0.9
	23.3	424	60	6.16	0.8
NMRV110	35	319	40	6.80	2.2
	28	384	50	7.32	1.7
	23.3	442	60	7.78	1.4
	17.5	548	80	8.57	0.9
NMRV130	17.5	557	80	11.20	1.5
	14	655	100	12.07	1.1
2.2kw					
NMRV75	186.7	100	7.5	2.78	1.8
	140	132	10	3.06	1.5
	93.3	191	15	3.50	1.0
NMRV90	186.7	101	7.5	3.08	2.9
	140	134	10	3.39	2.3
	93.3	194	15	3.88	1.9
	70	252	20	4.27	1.4
	56	308	25	4.60	1.1
	46.7	351	30	4.89	1.2

机型代号 Model	输出转速 N2 (r/min)	输出转矩 M2 (N·m)	传动比 i	输出轴径向力 (KN)	使用系数 f.s.
2.2kw					
NMRV110	70	255	20	5.39	2.5
	56	315	25	5.81	2.2
	46.7	356	30	6.18	2.0
	35	468	40	6.80	1.5
	28	563	50	7.32	1.2
	23.3	648	60	7.78	1.0
NMRV130	35	468	40	8.89	2.2
	28	563	50	9.58	1.7
	23.3	648	60	10.18	1.4
	175	816	8	11.21	1.0
	14	869	100	10.62	0.8
NMRV150	28	570	50	13.10	2.5
	23.3	657	60	13.92	1.9
	17.5	816	50	15.32	1.4
	14	960	100	16.50	1.0
3kw					
NMRV75	186.7	137	7.5	2.78	1.4
	140	180	10	3.06	1.1
	93.3	261	15	3.50	0.8
NMRV90	186.7	138	7.5	3.08	2.1
	140	182	10	3.39	1.7
	93.3	264	15	3.88	1.4
	70	344	20	4.27	1.0
	56	420	25	4.60	0.8
	46.7	479	30	4.89	0.9
NMRV110	93.3	264	15	4.90	2.5
	70	348	20	5.39	1.9
	56	430	25	5.81	1.6
	46.7	485	30	6.18	1.5
	35	638	40	6.80	1.1
	28	767	50	7.32	0.9
NMRV130	56	430	25	7.60	2.2
	46.7	491	30	8.08	2.1
	35	638	40	8.89	1.6
	28	767	50	9.58	1.3
	23.3	884	60	10.18	1.0
	17.5	1113	80	11.21	0.8
NMRV150	28	778	50	13.10	1.8
	23.3	896	60	13.92	1.4
	17.5	1113	80	15.32	1.0
	14	1310	100	16.50	0.8
4kw					
NMRV75	186.7	182	7.5	2.78	1.0
	140	240	10	3.06	0.8
NMRV90	186.7	184	7.5	3.08	1.6
	140	243	10	3.39	1.3
	93.3	352	15	3.88	1.0
	70	458	20	4.27	0.8
NMRV110	140	243	10	4.28	2.5
	93.3	352	15	4.90	1.9
	70	464	20	5.39	1.4
	56	573	25	5.81	1.2
	46.7	647	30	6.18	1.1

机型代号 Model	输出转速 N2 (r/min)	输出转矩 M2 (N·m)	传动比 i	输出轴径向力 (KN)	使用系数 f.s.
4kw					
NMRV110	56	573	25	7.60	1.6
	46.7	655	30	8.08	1.6
	35	851	40	8.89	1.2
	28	1023	50	9.58	1.0
	23.3	1179	60	10.18	0.8
	28	1037	50	13.10	1.4
NMRV130	23.3	1195	60	13.92	1.1
	17.5	1484	80	15.32	0.8
5.5kw					
NMRV110	186.7	235	7.5	3.89	2.2
	140	334	10	4.28	1.8
	93.3	484	15	4.90	1.4
	70	638	20	5.39	1.0
NMRV130	140	334	10	5.60	2.5
	93.3	490	15	6.41	1.9
	70	645	20	7.06	1.4
	56	788	25	7.60	1.2
	46.7	900	30	8.08	1.2
	35	1171	40	8.89	0.9
NMRV150	70	645	20	9.65	2.0
	56	788	25	10.40	1.5
	46.7	934	30	11.05	1.3
	35	1171	40	12.16	1.3
	28	1426	50	13.10	1.0
	23.3	1643	60	13.92	0.8
7.5kw					
NMRV110	186.7	345	7.5	3.89	1.6
	140	455	10	4.28	1.3
	93.3	660	15	4.90	1.0
	186.7	349	7.5	5.09	2.1
NMRV130	140	455	10	5.6	1.8
	93.3	668	15	6.41	1.4
	70	880	20	7.06	1.0
	56	1074	25	7.6	0.9
	46.7	1228	30	8.08	0.8
	35	1596	10	8.89	0.7
NMRV150	70	880	20	9.65	1.5
	56	1074	25	10.40	1.1
	46.7	1274	30	11.05	0.9
	35	1596	40	12.16	1.0
7.5kw					
NMRV150	186.7	512	7.5	6.96	2.3
	140	675	10	7.66	1.8
	93.3	990	15	8.77	1.3
	70	1291	20	9.65	1.0
	56	1576	25	10.40	0.8
15kw					
NMRV150	186.7	698	7.5	6.96	1.7
	140	921	10	7.66	1.3
	93.3	1351	15	8.77	0.9
	70	1760	20	9.65	0.7

◎NMRV双级减速机（法兰输入，输入转速1400r/min）/(配4极电机)
◎Double Step Reducer(flange input,input speed is 1400r/min)/(matched with 4 poles motor)

组合机型 Model	输出转速 N_2 (r/min)	输出转矩 M2 (N·m)	总传动比 i	高速级传动比 i1	高速级传动比 i2	输出轴径向力 (KN)	使用系数 f.s.
0.06kw							
30/40	4.7	57	300	10	30	3.49	1.3
	3.5	70	400	10	40	3.49	0.9
	2.8	96	500	20	25	3.49	0.6
	2.3	104	600	20	30	3.49	0.7
	1.9	121	750	25	30	3.49	0.6
	1.6	139	900	30	30	3.49	0.5
	1.2	166	1200	30	40	3.49	0.4
	0.93	196	1500	50	30	3.49	0.4
	0.78	218	1800	60	30	3.49	0.3
	0.58	261	2400	60	40	3.49	0.2
	0.44	300	3200	80	40	3.49	0.2
	0.35	279	4000	50	80	3.49	0.1
	0.28	338	5000	50	100	3.49	0.1
30/50	1.6	141	900	30	30	4.84	1.0
	1.2	169	1200	30	40	4.84	0.7
	0.93	199	1500	50	30	4.84	0.7
	0.78	222	1800	60	30	4.84	0.7
	0.58	266	2400	60	40	4.84	0.5
	0.47	307	3000	60	50	4.84	0.4
	0.35	288	4000	50	80	4.84	0.3
	0.28	311	4800	60	80	4.84	0.3
30/63	0.93	204	1500	30	50	4.84	1.1
	0.78	225	1800	30	60	6.27	0.9
	0.58	276	2400	60	40	6.27	0.8
	0.47	319	3000	60	50	6.27	0.7
	0.35	306	4000	50	80	6.27	0.6
	0.28	360	5000	50	100	6.27	0.4
40/75	0.58	330	2400	60	40	7.38	1.1
	0.47	377	3000	60	50	7.38	0.8
	0.35	355	4000	50	80	7.38	0.7
	0.28	419	5000	50	100	7.38	0.5
40/90	0.47	406	3000	60	50	8.18	1.4
	0.35	365	4000	50	80	8.18	1.3
	0.28	431	5000	50	100	8.18	1.0
0.09kw							
30/40	4.7	88	300	10	30	3.49	0.8

组合机型 Model	输出转速 N_2 (r/min)	输出转矩 M2 (N·m)	总传动比 i	高速级传动比 i1	高速级传动比 i2	输出轴径向力 (KN)	使用系数 f.s.
0.09kw							
30/50	3.5	107	400	10	40	4.84	1.2
	2.8	123	500	10	50	4.84	1.0
	2.3	159	600	20	30	4.84	0.9
	1.9	185	750	25	30	4.84	0.8
	1.6	212	900	30	30	4.84	0.7
30/63	1.6	200	900	15	60	6.27	1.0
	1.2	263	1200	30	40	6.27	0.9
40/75	0.93	305	1500	30	50	6.27	0.7
	0.93	360	1500	50	30	7.38	1.1
	0.78	404	1800	60	30	7.38	1.0
	0.58	496	2400	60	40	7.38	0.7
40/90	0.47	609	3000	60	50	8.18	0.9
	0.35	548	4000	50	80	8.18	0.8
0.12kw							
30/50	4.7	119	300	10	40	4.84	1.2
	3.5	142	400	10	50	4.84	0.9
	2.8	164	500	10	30	4.84	0.7
30/63	2.8	171	500	10	30	4.84	1.3
	2.3	208	600	10	30	4.84	1.1
	1.9	241	750	15	60	6.27	0.9
40/75	1.6	325	900	15	40	6.27	1.2
	1.2	399	1200	30	50	6.27	0.9
40/90	0.78	547	1800	50	30	7.38	0.9
	0.58	695	2400	60	30	7.38	0.9
50/110	0.47	884	3000	60	40	7.38	1.2
	0.35	784	4000	60	50	8.18	1.0
	0.28	928	5000	50	80	8.18	0.8
0.18kw							
30/63	3.5	222	400	10	40	6.27	1.0
	2.8	257	500	10	50	6.27	0.8
40/75	2.3	362	600	20	30	7.38	1.1
	1.9	435	750	25	30	7.38	0.9
	1.6	487	900	30	30	7.38	0.8
40/90	1.2	629	1200	30	40	8.18	1.0
	0.93	735	1500	30	50	8.18	0.8
50/110	0.78	860	1800	60	30	10.32	1.5
	0.58	1113	2400	60	40	10.32	1.1

组合机型 Model	输出转速 N_2 (r/min)	输出转矩 M2 (N·m)	总传动比 i	高速级传动比 i1	高速级传动比 i2	输出轴径向力 (KN)	使用系数 f.s.
	0.25kw						
30/40	3.5	336	400	10	40	7.38	1.1
	2.8	384	500	10	50	7.38	0.8
	2.3	512	600	15	40	8.18	1.2
	1.9	598	750	15	50	8.18	0.9
	1.6	667	900	15	60	8.18	0.8
	1.2	943	1200	30	40	10.32	1.3
	0.93	1064	1500	50	30	10.32	1.2
	0.78	1195	1800	60	30	10.32	1.1
	0.58	1624	2400	60	40	13.5	1.0
	0.47	1935	3000	60	50	13.5	0.8
	0.35	2046	4000	50	80	13.5	0.6
	0.28	2430	5000	50	100	18	0.5
	0.78	1199	1800	60	30	18	1.8
	0.58	1446	2400	60	40	18	1.8
	0.47	1713	3000	60	50	18	1.4
	0.35	2026	4000	50	80	18	0.9
	0.28	2251	5000	50	100	18	0.7
	0.25kw						
40/75	4.7	405	300	10	30	7.38	1.0
	3.5	498	400	10	40	7.38	0.7
40/90	4.7	402	300	7.5	40	8.18	1.5
	3.5	523	400	10	40	8.18	1.2
	2.8	611	500	10	50	8.18	0.9
	2.3	757	600	15	40	10.32	0.8
50/110	1.9	950	750	25	30	10.32	1.3
	1.6	1079	900	30	30	10.32	1.2
	1.2	1396	1200	30	40	13.5	0.8
63/130	0.93	1674	1500	50	30	13.5	1.1
	0.78	1887	1800	60	30	13.5	0.9
63/150	0.78	1775	1800	60	30	18	1.2
	0.58	2141	2400	60	40	18	1.2
	0.47	2535	3000	60	50	18	0.9
	0.55kw						
50/110	4.7	639	300	10	30	10.32	2.0
	3.5	826	400	10	40	10.32	1.4
	2.8	984	500	10	50	10.32	1.1
	2.3	1181	600	15	40	10.32	1.0
	1.9	1411	750	25	30	10.32	0.9

组合机型 Model	输出转速 N_2 (r/min)	输出转矩 M2 (N·m)	总传动比 i	高速级传动比 i1	高速级传动比 i2	输出轴径向力 (KN)	使用系数 f.s.
	0.55kw						
30/40	2.8	996	500	10	50	13.5	1.6
	1.9	1471	750	25	30	13.5	1.2
	1.2	2132	1200	30	40	13.5	0.8
	0.78	2638	1800	60	30	18	0.8
	0.58	3182	2400	60	40	18	0.8
	0.55kw						
	4.7	871	300	10	30	10.32	1.5
	3.5	1126	400	10	40	10.32	1.1
	2.8	1358	500	10	50	13.5	1.1
	2.3	1631	600	15	40	13.5	1.0
	1.9	2005	750	25	30	13.5	0.9
	1.6	2283	900	30	30	13.5	0.8
	2.8	1291	500	10	50	18	1.8
	2.3	1529	600	15	40	18	1.7
	1.9	1783	750	25	30	18	1.3
	1.6	2215	900	30	30	18	0.9
	1.2	2680	1200	30	40	18	1.0
	1.1kw						
63/130	4.7	1312	300	10	30	13.5	1.3
	3.5	1671	400	10	40	13.5	1.0
	2.8	1991	500	10	50	13.5	0.8
63/150	9.3	753	150	10	15	18	3.1
	7.0	966	200	10	20	18	2.4
	5.6	1175	250	10	25	18	1.7
	4.7	1364	300	10	30	18	1.7
	3.5	1619	400	10	40	18	1.6
	2.	1893	500	10	50	18	1.2
	2.3	2242	600	15	40	18	1.2
	1.9	2616	750	25	30	18	0.9
	1.5kw						
63/130	4.7	1789	300	10	30	13.5	1.0
	3.5	2279	400	10	40	13.5	0.7
63/150	9.3	1026	150	10	15	18	2.3
	7.0	1317	200	10	20	18	1.8
	5.6	1602	250	10	25	18	1.3
	4.7	1860	300	10	30	18	1.3
	3.5	2208	400	10	40	18	1.2
	2.8	2582	500	10	50	18	0.9
	2.3	3057	600	15	40	18	0.9

◎ NRV单级(轴伸输入，输入转速1400r/min)
◎ NRV Singles Step Reducer(shaft extend input,input speed is 1400r/min)

机型代号 Model	输入轴功率 (KW)	输出转速 N2 (r/min)	输出转矩 M2 (N·m)	传动比 i	输出轴径向力 (KN)	输入轴径向力 (KN)
NRV030	0.4	186.7	18	7.5	0.68	0.15
	0.3	140	18	10	0.75	0.16
	0.2	93.3	18	15	0.86	0.16
	0.2	70	18	20	0.94	0.19
	0.2	56	21	25	1.02	0.21
	0.2	46.7	20	30	1.08	0.21
	0.1	35	18	40	1.19	0.21
	0.1	28	17	50	1.28	0.21
	0.1	23.3	16	60	1.36	0.21
	0.1	17.5	13	80	1.50	0.21
NRV040	1.1	280	34	5	1.15	0.25
	0.9	186.7	40	7.5	1.31	0.29
	0.7	140	40	10	1.44	0.33
	0.5	93.3	40	15	1.65	0.33
	0.4	70	39	20	1.82	0.35
	0.3	56	38	25	1.96	0.35
	0.3	46.7	45	30	2.08	0.35
	0.2	35	41	40	2.29	0.35
	0.2	28	39	50	2.47	0.35
	0.2	23.3	36	60	2.63	0.35
	0.1	17.5	33	80	2.89	0.35
	0.1	14	29	100	3.11	0.35
NRV050	2.0	280	62	5	1.58	0.35
	1.6	186.7	71	7.5	1.80	0.4
	1.2	140	72	10	1.98	0.49
	0.9	93.3	74	15	2.27	0.49
	0.7	70	73	20	2.50	0.49
	0.5	56	70	25	2.69	0.49
	0.6	46.7	84	30	2.86	0.49
	0.4	35	76	40	3.15	0.49
	0.3	28	73	50	3.39	0.49
	0.3	23.3	68	60	3.61	0.49
	0.2	17.5	65	80	3.97	0.49
	0.2	14	55	100	4.28	0.49
NRV063	3.5	280	108	5	2.00	0.43
	2.8	186.7	128	7.5	2.35	0.5
	2.2	140	130	10	2.59	0.57
	1.6	93.3	140	15	2.97	0.61
	1.2	70	135	20	3.27	0.66
	1.0	56	130	25	3.52	0.70
	1.1	45.7	160	30	3.74	0.70
	0.8	35	145	40	4.12	0.70
	0.6	28	135	50	4.44	0.70
	0.5	23.3	130	60	4.71	0.70
	0.4	17.5	122	80	5.19	0.70
	0.3	14	118	100	5.59	0.70
NRV075	4.1	186.7	185	7.5	2.78	0.70
	3.2	140	195	10	3.06	0.83
	2.3	93.3	200	15	3.50	0.85

机型代号 Model	输入轴功率 (KW)	输出转速 N2 (r/min)	输出转矩 M2 (N·m)	传动比 i	输出轴径向力 (KN)	输入轴径向力 (KN)
NRV075	1.9	70	210	20	3.86	0.98
	1.5	56	200	25	4.16	0.98
	1.5	46.7	230	30	4.42	0.98
	1.1	35	220	40	4.86	0.98
	0.9	28	210	50	5.24	0.98
	0.8	23.3	200	60	5.56	0.98
	0.6	17.5	190	80	6.13	0.98
	0.5	14	180	100	6.60	0.98
NRV090	6.3	186.7	290	7.5	3.08	0.90
	5.1	140	310	10	3.39	1.08
	4.1	93.3	360	15	3.88	1.25
	3.1	70	355	20	4.27	1.27
	2.4	56	340	25	4.60	1.27
	2.6	46.7	410	30	4.89	1.27
	1.8	35	360	40	5.38	1.27
	1.4	28	340	50	5.79	1.27
	1.1	23.3	320	60	6.16	1.27
	0.8	17.5	285	80	6.78	1.27
	0.7	14	270	100	7.30	1.27
NRV110	12.0	186.7	552	7.5	3.89	1.20
	9.8	140	598	10	4.28	1.46
	7.5	93.3	656	15	4.90	1.60
	5.6	70	644	20	5.39	1.70
	4.7	56	679	25	5.81	1.70
	4.5	46.7	725	30	6.18	1.70
	3.3	35	702	40	6.90	1.70
	2.6	28	660	50	7.32	1.70
	2.1	23.3	616	60	7.78	1.70
	1.4	17.5	515	80	8.57	1.70
	1.1	14	483	100	9.23	1.70
NRV030	16.1	186.7	750	7.5	5.09	1.50
	13.5	140	820	10	5.60	2.07
	10.3	93.3	920	15	6.41	2.10
	7.8	70	910	20	7.06	2.10
	6.5	56	930	25	7.60	2.10
	6.4	46.7	1040	30	8.08	2.10
	4.9	35	1050	40	8.89	2.10
	3.8	28	980	50	9.59	2.10
	3.1	23.3	900	60	10.18	2.10
	2.3	17.5	840	80	11.21	2.10
	1.7	14	740	100	12.07	2.10
NRV150	25.8	186.7	1200	7.5	6.96	1.95
	20.2	140	1240	10	7.66	2.26
	13.9	93.3	1250	15	8.77	2.28
	11.1	70	1300	20	9.65	2.67
	8.4	56	1200	25	10.40	2.80
	7.1	46.7	1200	30	11.05	2.80
	7.3	35	1550	40	12.16	2.80
	5.4	28	1400	50	13.10	2.80
	4.2	23.3	1260	60	13.92	2.80
	3.1	17.5	1150	80	15.32	2.80
	2.3	14	1000	100	16.50	2.80

◎ NRV+NMRV双级减速机(轴伸输入，输入转速1400r/min)
◎ NRV+NMRV Double Step Reducer(shaft extend input,input speed is 1400r/min)

机型代号 Model	输入轴功率 (KW)	输出转速 N2 (r/min)	输出转矩 M2 (N·m)	传动比 i	输出轴径向力 (KN)	输入轴径向力 (KN)
30/40	0.1	4.7	73	300	3.49	0.21
	0.1	3.5	65	400	3.49	0.21
	0.08	2.8	61	500	3.49	0.21
	0.06	2.3	73	600	3.49	0.21
	0.04	1.9	73	750	3.49	0.21
	0.03	1.6	73	900	3.49	0.21
	0.02	1.2	65	1200	3.49	0.21
	0.02	0.93	73	1500	3.49	0.21
	0.02	0.78	73	1800	3.49	0.21
	0.01	0.58	65	2400	3.49	0.21
	0.01	0.44	65	3200	3.49	0.21
	0.01	0.35	33	4000	3.49	0.21
	0.01	0.28	29	5000	3.49	0.21
30/50	0.15	4.7	145	300	4.84	0.21
	0.1	3.5	124	400	4.84	0.21
	0.1	2.8	120	500	4.84	0.21
	0.1	2.3	145	600	4.84	0.21
	0.1	1.9	145	750	4.84	0.21
	0.1	1.6	145	900	4.84	0.21
	0.08	1.2	124	1200	4.84	0.21
	0.06	0.93	145	1500	4.84	0.21
	0.04	0.78	145	1800	4.84	0.21
	0.03	0.58	124	2400	4.84	0.21
	0.02	0.47	120	3000	4.84	0.21
	0.02	0.35	82	4000	4.84	0.21
	0.02	0.28	82	4800	4.84	0.21
30/63	0.24	4.7	230	300	6.27	0.21
	0.2	3.5	230	400	6.27	0.21
	0.2	2.8	216	500	6.27	0.21
	0.13	2.3	230	600	6.27	0.21
	0.11	1.9	198	750	6.27	0.21
	0.1	1.6	230	900	6.27	0.21
	0.1	1.2	216	1200	6.27	0.21
	0.1	0.93	198	1500	6.27	0.21
	0.1	0.78	230	1800	6.27	0.21
	0.1	0.58	216	2400	6.27	0.21
	0.08	0.47	172	3000	6.27	0.21
	0.06	0.35	150	4000	6.27	0.21
40/75	0.04	0.28	390	5000	6.27	0.21
	0.4	4.7	360	300	7.38	0.35
	0.3	3.5	320	400	7.38	0.35
	0.21	2.8	390	500	7.38	0.35
	0.2	2.3	390	600	7.38	0.35
	0.2	1.9	390	750	7.38	0.35
	0.14	1.6	390	900	7.38	0.35
	0.11	1.2	390	1200	7.38	0.35
	0.1	0.93	390	1500	7.38	0.35
	0.1	0.78	390	1800	7.38	0.35
	0.1	0.58	360	2400	7.38	0.35
	0.1	0.47	320	3000	7.38	0.35
	0.08	0.35	250	4000	7.38	0.35
	0.06	0.28	230	5000	7.38	0.35

机型代号 Model	输入轴功率 (KW)	输出转速 N2 (r/min)	输出转矩 M2 (N·m)	传动比 i	输出轴径向力 (KN)	输入轴径向力 (KN)
40/90	0.6	4.7	610	300	8.18	0.35
	0.43	3.5	610	400	8.18	0.35
	0.34	2.8	560	500	8.18	0.35
	0.3	2.3	610	600	8.18	0.35
	0.23	1.9	560	750	8.18	0.35
	0.2	1.6	505	900	8.18	0.35
	0.2	1.2	610	1200	8.18	0.35
	0.14	0.93	560	1500	8.18	0.35
	0.11	0.78	505	1800	8.18	0.35
	0.11	0.58	610	2400	8.18	0.35
	0.1	0.47	560	3000	8.18	0.35
	0.1	0.35	460	4000	8.18	0.35
	0.1	0.28	410	5000	8.18	0.35
50/110	1.1	4.7	1265	300	10.32	0.49
	0.8	3.5	1185	400	10.32	0.49
	0.61	2.8	1100	500	10.32	0.49
	0.6	2.3	1185	600	10.32	0.49
	0.5	1.9	1265	750	10.32	0.49
	0.43	1.6	1265	900	10.32	0.49
	0.31	1.2	1185	1200	10.32	0.49
	0.3	0.93	1265	1500	10.32	0.49
	0.3	0.78	1265	1800	10.32	0.49
	0.2	0.58	1185	2400	10.32	0.49
	0.15	0.47	1100	3000	10.32	0.49
	0.13	0.35	819	4000	10.32	0.49
	0.1	0.28	746	5000	1.032	0.49
63/130	1.5	4.7	1760	300	13.5	0.7
	1.1	3.5	1650	400	13.5	0.7
	0.9	2.8	1550	500	13.5	0.7
	0.8	2.3	1650	600	13.5	0.7
	0.7	1.9	1760	750	13.5	0.7
	0.6	1.6	1760	900	13.5	0.7
	0.5	1.2	1650	1200	13.5	0.7
	0.4	0.93	1760	1500	13.5	0.7
	0.35	0.78	1760	1800	13.5	0.7
	0.3	0.58	1650	2400	13.5	0.7
	0.2	0.47	1550	3000	13.5	0.7
	0.15	0.35	1220	4000	13.5	0.7
	0.11	0.28	1100	5000	13.5	0.7
63/150	3.4	9.3	2340	150	18	0.7
	2.7	7.0	2340	200	18	0.7
	1.9	5.6	2050	250	18	0.7
	1.9	4.7	2340	300	18	0.7
	1.8	3.5	2670	400	18	0.7
	1.4	2.8	2330	500	18	0.7
	1.3	2.3	2670	600	18	0.7
	1.0	1.9	23330	750	18	0.7
	0.71	1.6	2100	900	18	0.7
	0.75	1.2	2670	1200	18	0.7
	0.44	0.78	2100	1800	18	0.7
	0.5	0.58	2670	2400	18	0.7
	0.34	0.47	2330	3000	18	0.7
	0.23	0.35	1880	4000	18	0.7
	0.2	0.28	1650	5000	18	0.7

7.使用说明
Operating Instructions

◎单级蜗杆减速机

〇减速机型号30-9O采用优质铝合金压铸箱体，外形轻巧美观，结构紧凑，体积小，重量轻，节省安装空间，不易锈蚀。

〇减速机型号110-150采用灰铸铁射芯模铸造，外型美观坚固，可多方位安装使用。

〇 散热性能好，安全可靠，效率高。

〇 承载能力高，传动平稳，振动小，噪音低。

〇 具有动力输入及转矩输出的多种联接结构，满足多种联接需要;箱体外形设计及底脚孔设置布局适应多种安装方式，通用性强。

◎双级蜗杆减速机

〇 由单级蜗杆减速机组合而成，具有单级蜗杆减速机的一切优点，能获得较大传动比。

〇常用双级组合机型:30/40、30/50、30/63、40/75、40/90、50/110、63/130、63/150，用户若有特殊要求时，可根据实际需要选择30、40、50、63、75、90、110、130、150作为组合单元另行组合。

◎安装注意事项

〇减速机须安装在平整坚的底座上，底脚螺栓必须紧固、防震。

〇原动机--减速机--土作机的各联接轴伸，安装后必须互相准确对准轴线。

〇减速机输入端及输出端轴伸外径尺寸公差分别是j6及h6制作，与之相匹配的联轴器、皮带轮、链轮等传动件内孔需按合适公差尺寸配置，避免装配过紧损坏轴承，装配过松影响正常的动力传递。

〇链轮一齿轮等传动件装上轴伸时，应尽量靠近轴承，以减少轴伸弯曲应力。

〇减速机装配电机时，应在蜗杆头部内孔孔壁及键槽处涂抹黄油，避免装配过紧，防止轴孔日久生锈。

〇使用各类电机直联型减速机时，若电机重量偏大，应设支撑装置。

◎使用注意事项

〇 使用前应注意检查减速机型式结构、中心距规格、传动比、输入轴连接方式、输出轴结构、输入轴输出轴,轴指向和回转方向等是否符合使用要求，蜗杆输入转速不宜超过200Or/min，一般适用范围为600-180Or/min.

〇 开机时应逐步施加载荷，不能满载起动。

〇 规格3O-90减速机仅设加油孔，出厂时减速机内已加好ISO VG320合成润滑油。用户无需再加油，机器连续运转约10000小时后，应该更换新润滑油。

〇 型号110-150减速机设有加油孔，放油孔和油标孔，减速机内已加ISO VG460矿物润滑油，用户在使用前须换上通气器。首次运行500小时候后更换新油，以后每隔约5000小时换油一次。

〇减速机允许最高油温为95℃，超过时应停机检查。

〇若减速机使用环境温度超过或低于表中规定使用环境温度5℃以上，请与我公司人员联系。

◎ Single step worm gear reducer

◯ The reducer which is 30-90 made of Aluminum alloy die-casting box,good looking in appearance, compact in structure rust proofing on surface and small volume to save mounting space.

◯ The reducer model 110-150 is made of cast iron which casted with Aluminum mould .It's good looking and solid,and can be used through the setting of multi-azimuth.

◯ Good radiating characteristic leads safe and high efficiency for using.

◯ The strong capacity of loading and overload ensure stable transmission,make less vibration and noise.

◯ Varies of connecting structure for power input and torque output meet different requirements; the design of box outline and the set of foot hole is apt to with high many kinds of mounting.

◎ Double step worm gear reducer

◯ lt is combined by two single step reducers and has all the virtues of them.And you can get bigger ratio with it.

◯ The models of 30/40、30/50、30/63、40/75、40/90、50/110、63/130、63/150,are in common use.You can choose 30、40、50、63、75、90、110、130、150 as combination units to

◎ Notes of installation

◯ The base-plate must be plane and stoutness and the basee polts must be screwed down and shockproof.

◯ The connecting shafts of prime mover,reducer araoperation device must be coaxial after installation.

◯ The diameter tolerance zone of input and "output shaft is j6 and h6,the holes of fittings(such as couplings,belt-pulley,sprocket wheel and so on)must properly mate the shaft,which prevents bearing from breakage because of over-tight mate or avoid effecting normal power transmission because of over -loose mate.

◯ Drivers such as sprocket wheel and gear must be fitted close to bearing in order to reduce bending stress of hanging shaft.

◯ While assembling motor to the reducer,it is necessary to add butters to the worm shaft input hole and keyway,so as to avoid tightly assembling and rusting when it is used for a long time.

◯ Supporting unit is required when reducers directly match with motors whose weight is bigger than normal types motor is a little bigger than normal.

◎Operating notes

◯ Before using ,please check carefully whether the reducer mode,distance size,ratio,input connecting method, output shaft structure,input and ogtput shaft direction and revolving directton are right according to requirement. lt is better for the inpyt speed of worm shaft shouldn't exceed 2000 RPW,the general range is 600-180ORPM.

◯ The load should be added step by stes when using the machineNever running it with full load.

◯ The reducer which model is among 30-90 has the oil add hole only. lt has been full of synthetic lubrication oil lso vG 320.User doesn'tneed to think about oil adding,after about 10000 hours continual running. please change new lubrication oil.

◯ The reducer model of 110-150 has pil add hole,oil out hole and oil gauge.Mineral lubrication oil ISO VG460 has been filled in enough,before using,user must need to change the ventilation breather.After the first 500 hours running,clean the inter box and change new oil in it.Then change the oil once per 5000 hours.

◯ The permitted temperature of the oil in reducer is 95℃.lf up to this value,it must be stopped and checked.

◯ When the ambient temperature is 5℃ upper or lower than the normal level stated in the table, please,contact with us.

YS/MS系列铝壳三相异步电动机

YS/MS series aluminum housing three-phase asynchronous motor





◎ 特点说明(Characteristic description)

YS/MS系列铝壳三相异步电动机,符合国际电工协会(IEC）有关规定，选用优质原材料，进行最新式整体设计，具有性能好，噪音低，振动小，运行安全可靠、外形美观、体积小、重量轻、结构简单、维修方便等优点。

YS/MS系列电动机适用于各类机械设备上

YS/MS series aluminum housing three-phase asynchronous motors are latest design and are made of selected quality materrials and conformto the international lEC standard.YS-motor have a verysafe and rellable perfor-mance,are attractive in appearance and can be easily maintainde.they have low noise with little vibrationbut at the sametime are light weight andog simple constrution.
YS/MS series motor can be used for gener-alelectic motor applications.

◎ 使用条件(Operating conditions)

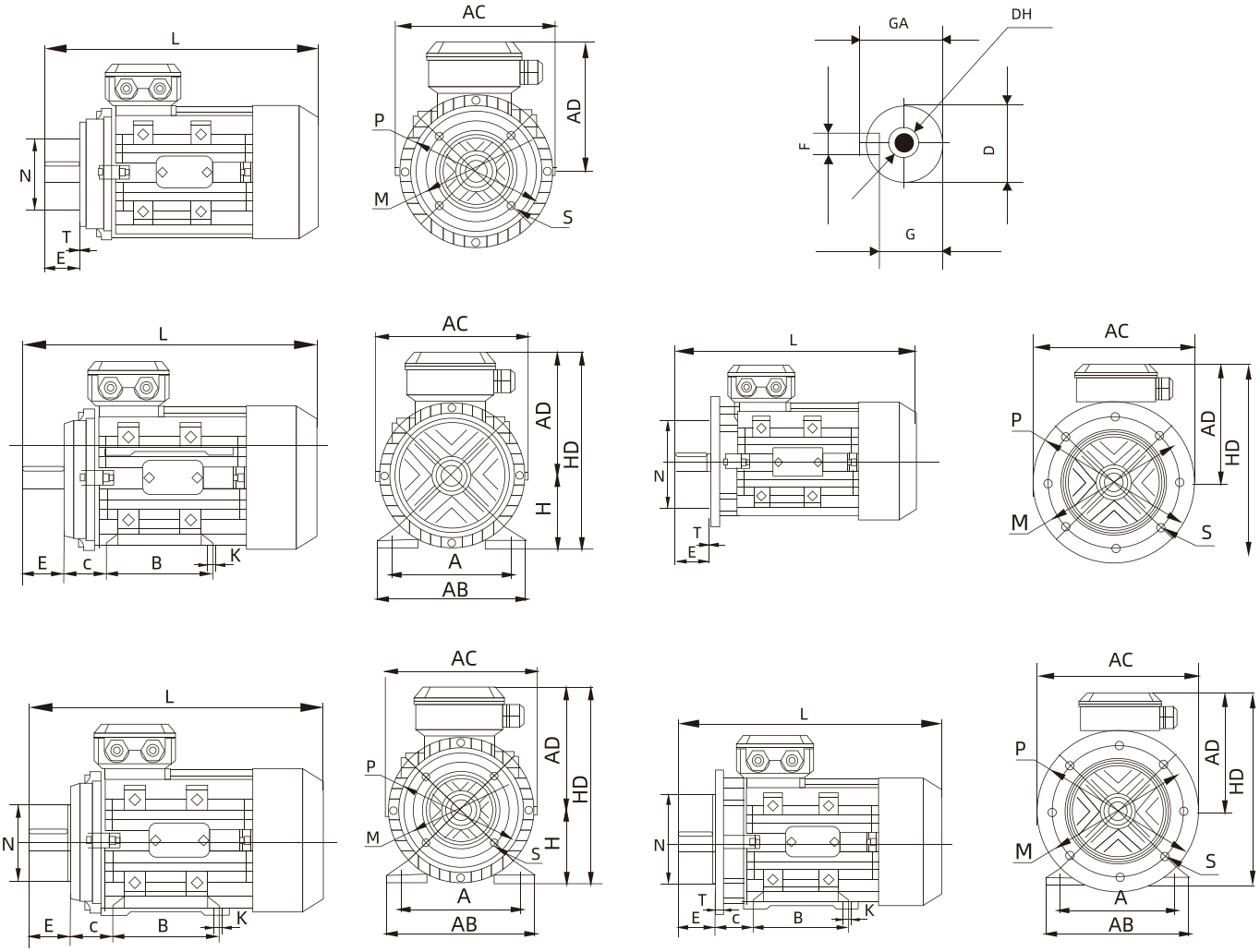
环境气温度:-15℃≤0≤40
海拔:不超过1000米
额定电压:380V，可选用220-760V
额定功率:50Hz/60Hz
绝缘等级:B/F/H级
防护等级:IP54、IP55
冷却方式:IC0141
工作方式:连续(S1)
接法:3KW及以下规格为Y接法，
4KW及以上为△接法

Ambient temperature:-15℃≤0≤40
Altitude:Not exceeding 1000 meters
Rated voltage:380V
Rated frequency:50Hz/60Hz
Insulation class:ClassB/F/H
Protection class:IP54/IP55
Cooling type:IC0141
Duty:Rating:Continuos(S1)
Connection:Star-connection for 3Kw or less whereas delta-connection for 4kW or more

Type	Power		Amps (A)						Ferquency speed	Ferquency speed	LRT	BDT	LRA	η	Power Factor	J
	KW	HP	220V ▲	380V	400V	415V	400V	660V Y	(50HZ) r/min	(60HZ) r/min	RLT	RLT	RLA	(%)	cosΦ	KG
YS561-2	0.09	0.12	0.5	0.29	0.27	0.26	0.25		2700	3300	2.2	2.1	5.2	62.00	0.77	3.6
YS562-2	0.12	0.16	0.64	0.37	0.35	0.33	0.32		2700	3300	2.2	2.1	5.2	64.00	0.78	4.0
YS63M1-2	0.18	0.25	0.92	0.53	0.5	0.49	0.45		2720	3320	2.3	2.3	5.5	69.00	0.80	4.1
YS63M2-2	0.25	0.34	1.2	0.69	0.65	0.63	0.59		2720	3320	2.3	2.3	5.5	6.008	0.81	4.5
YS63M3-2	0.37	0.5	1.75	1.01	0.96	0.92	0.67		2755	3355	2.2	2.3	6.1	69.00	0.81	5.5
YS71M1-2	0.37	0.5	1.75	1.01	0.96	0.92	0.67		2755	3355	2.2	2.3	6.1	69.00	0.81	5.6
YS71M2-2	0.55	0.75	2.39	1.38	1.3	1.26	1.19		2790	3390	2.3	2.2	6.1	74.00	0.82	6.2
YS71M3-2	0.75	1	3.06	1.77	1.67	1.6	1.53		2845	3445	2.3	2.3	6.1	75.00	0.83	7.2
YS80M1-2	0.75	1	3.06	1.77	1.67	1.6	1.53		2845	3445	2.3	2.3	6.1	75.00	0.83	9.0
YS80M2-2	1.1	1.5	4.52	2.61	2.48	2.39	2.25		2845	3445	2.3	2.2	6.9	76.20	0.84	10
YS90S-2	1.5	2	5.99	3.46	3.29	3.15	2.98		2850	3450	2.3	2.2	7.0	78.50	0.84	12
YS90L-2	2.2	3	8.4	4.85	4.6	4.4	4.18		2855	3455	2.3	2.2	7.0	81.00	0.85	13.2
YS100L-2	3	4	10.98	6.34	6.02	5.77	5.47	4.73	2860	3460	2.3	2.2	7.5	82.60	0.87	22
YS112M-2	4	5.5		8.2	7.8	7.46	7.08	5.83	2860	3480	2.3	2.2	7.5	84.20	0.88	30
YS132S1-2	5.5	7.5		11.1	10.5	10.1	9.58	7.83	2900	3500	2.3	2.2	7.5	85.7	0.88	43
YS132S2-2	7.5	10		14.9	14.15	13.56	12.86	10.1	2900	3500	2.3	2.2	7.5	87.00	0.88	49
YS160M1-2	11	15		21.3	20.2	19.4	18.38	15.1	2930	3530	2.3	2.2	7.5	88.00	0.89	65
YS160M2-2	15	20		28.8	27.4	26.2	24.85	18.2	2930	3530	2.3	2.2	7.5	89.00	0.89	73
YS160L-2	18.5	25		34.7	32.97	31.6	29.95		1300	3530	2.3	2.2	7.5	90.00	0.90	85
YS561-4	0.06	0.08	0.398	0.23	0.22	0.21	0.2		1300	1600	2.1	2.0	4.0	56.00	0.70	3.6
YS562-4	0.09	0.12	0.57	0.33	0.31	0.30	0.285		1300	1600	2.1	2.0	4.0	58.00	0.72	70
YS563-4	0.12	0.16	0.76	0.44	0.42	0.40	0.38		1310	1610	2.2	2.1	4.4	57.00	0.72	4.2
YS63M1-4	0.12	0.16	0.76	0.44	0.42	0.40	0.38		1310	1610	2.2	2.1	4.4	57.00	0.72	4.0
YS63M2-4	0.18	0.25	1.07	0.62	0.59	0.56	0.54		1310	1610	2.2	2.1	4.4	60.00	0.73	4.5
YS63M3-4	0.25	0.34	1.37	0.79	0.75	0.72	0.68		1340	1640	2.2	2.1	5.2	65.00	0.74	5.0
YS63M4-4	0.37	0.5	1.94	1.12	1.1	1.0	0.97		1340	1640	2.2	2.1	5.2	67.00	0.75	6
YS71M1-4	0.25	0.34	1.37	0.79	0.75	0.72	0.68		1340	1640	2.2	2.1	5.2	65.00	0.74	5.6
YS71M2-4	0.37	0.5	1.94	1.12	1.1	1.0	0.97		1340	1640	2.2	2.1	5.2	67.00	0.75	6.0
YS71M3-4	0.55	0.75	2.63	1.52	1.44	1.38	1.31		1390	1690	2.3	2.4	5.2	71.00	0.75	7.0
YS71M4-4	0.75	1	3.38	1.95	1.85	1.77	1.68		1390	1690	2.3	2.3	6.0	73.00	0.76	8.5
YS80M1-4	0.55	0.75	2.63	1.52	1.44	1.38	1.31		1390	1690	2.3	2.4	5.2	71.00	0.75	9.0
YS80M2-4	0.75	1	3.38	1.95	1.85	1.77	1.68		1390	1690	2.3	2.3	6.0	73.00	0.76	10
YS80M3-4	1.1	1.5	4.93	2.85	2.7	2.6	2.46		1390	1690	2.3	2.3	6.0	76.20	0.77	12
YS90S-4	1.1	1.5	4.93	2.85	2.7	2.6	2.46		1390	1690	2.3	2.3	6.0	76.20	0.77	12.5
YS90L-4	1.5	2	6.44	3.72	3.53	3.39	3.21		1400	1700	2.3	2.3	6.0	78.50	0.78	14.5
YS90L3-4	2.2	3	8.81	5.09	4.83	4.6	4.38		1420	1720	2.3	2.3	7.0	81.00	0.81	18.5
YS100L1-4	2.2	3	8.81	5.09	4.83	4.6	4.38		1420	1720	2.3	2.3	7.0	81.00	0.81	21
YS100L2-4	3	4	11.7	6.78	6.4	6.17	5.85		1420	1720	2.3	2.3	7.0	82.60	0.82	24.8

Type	Power		Amps (A)						Ferquency speed	Ferquency speed	LRT	BDT	LRA	η	Power Factor	J
	KW	HP	220V ▲	380V	400V	415V	400V	660V Y	(50HZ) r/min	(60HZ) r/min	RLT	RLT	RLA	(%)	cosΦ	KG
YS112M-4	4	5.5		8.8	8.36	8.0	7.59		1435	1735	2.3	2.3	7.0	84.2	0.82	30.5
YS132S-4	5.5	7.5		11.7	11.12	10.56	10.1		1440	1740	2.3	2.3	7.0	85.7	0.83	44
YS132M-4	7.5	10		15.6	14.8	14.2	13.4		1450	1750	2.3	2.3	7.0	87.00	0.84	54
YS160M-4	11	15		22.3	21.2	20.3	19.2		1460	1760	2.3	2.3	7.0	88.00	0.85	72
YS160L-4	15	20		30.1	28.6	27.4	25.9		1460	1760	2.3	2.3	7.0	89.00	0.85	88
YS71M1-6	0.18	0.25	1.28	0.74	0.7	0.67	0.64		870	870	2.0	1.9	4.0	56.00	0.66	6
YS71M2-6	0.25	0.34	1.64	0.95	0.9	0.86	0.82		870	870	2.0	1.9	4.0	59.00	0.68	6.7
YS71M3-6	0.25	0.5	2.13	1.23	1.17	1.12	1.06		880	880	2.0	1.9	4.7	62.00	0.70	8.5
YS80M1-6	0.37	0.75	2.13	1.7	1.6	1.55	1.06		880	880	2.1	1.9	4.7	65.00	0.72	9
YS80M2-6	0.55	0.75	2.94	1.7	1.6	1.55	1.46		880	880	2.1	1.9	4.7	65.00	0.72	11
YS80M3-6	0.5	1	3.96	2.29	2.18	2.08	1.97		905	905	2.1	2.0	5.3	69.00	0.72	12
YS90S-6	1.1	1	3.96	2.29	2.18	2.08	1.97		905	905	2.1	2.0	5.3	69.00	0.72	13
YS90L-6	1.1	1.5	5.5	3.18	3.02	2.9	2.74		905	905	2.1	2.0	5.5	72.00	0.73	14.2
YS100L-6	1.5	2	6.92	4.0	3.8	3.64	3.45		920	920	2.1	2.0	5.5	76.00	0.76	21
YS112M-6	2.2	3	9.7	5.6	5.32	5.1	4.83		935	935	2.1	2.0	6.5	79.00	0.76	27
YS132M1-6	3	4	12.81	7.4	7.03	6.73	6.38		960	960	2.1	2.1	6.5	81.00	0.76	44
YS132S-6	4	5.5		9.5	9.03	8.65	8.2		960	960	2.1	2.1	6.5	82.00	0.76	52
YS132M2-6	5.5	7.5		12.6	11.97	11.16	10.87		960	960	2.1	2.1	6.5	84.00	0.77	58
YS160M-6	7.5	10		16.9	16.1	15.6	14.58		970	970	2.1	2.0	6.5	86.00	0.78	75
YS160L-6	11	15	1.44	24.2	22.99	22.02	22.88		970	970	2.1	2.0	6.5	87.50	0.79	87
YS80M1-8	0.18	0.25	1.9	0.83	0.75	0.79	0.72		645	645	1.9	1.8	3.3	51.00	0.61	8.8
YS80M2-8	0.25	0.34	2.58	1.1	1.05	1.0	0.95		645	645	1.9	1.8	3.3	54.00	0.61	11
YS90S-8	0.37	0.5	3.76	1.49	1.4	1.36	1.28		675	675	1.9	1.8	4.0	62.00	0.61	13
YS90L-8	0.55	0.75	4.2	2.17	2.06	2.0	1.87		680	680	2.0	1.8	4.0	63.00	0.61	14
YS100L1-8	0.75	1	5.81	2.43	2.3	2.2	2.1		680	680	2.0	1.8	4.0	70.00	0.67	20
YS100L2-8	1.1	1.5	7.62	3.36	3.2	3.06	2.9		680	680	2.0	1.8	5.0	72.00	0.69	26
YS112M-8	1.5	2	10.39	4.4	4.22	4.04	3.8		690	690	2.0	1.8	5.0	74.00	0.70	43
YS132S-8	2.2	3	13.5	6.0	5.7	5.46	5.17		710	710	2.0	1.8	6.0	79.00	0.71	51
YS132M-8	3	4		7.8	7.4	7.1	6.73		710	710	2.0	1.8	6.0	80.00	0.73	57
YS160M1-8	4	5.5		10.3	9.78	9.37	8.88		720	720	2.0	1.9	6.0	81.00	0.73	70
YS160M2-8	5.5	7.5		13.6	12.9	12.38	11.73		720	720	2.0	2.0	6.5	83.00	0.74	74

安装方位图

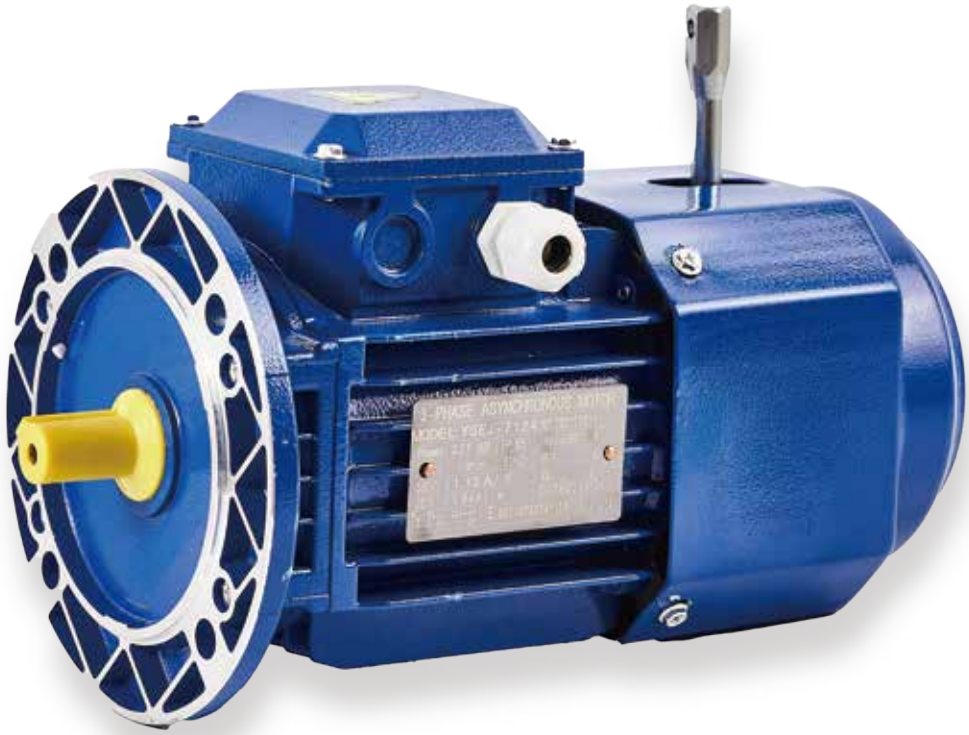


安装尺寸及外形尺寸

(Mounting dimensions and overall dimensions)

安装尺寸(mm) Mounting dimension										Instation size for B14(mm)					Instation size for B5(mm)					外形尺寸(mm) Exlema Dimensions				
	A	B	C	D	E	F	G	H	K	M	N	P	S	T	M	N	P	S	T	AB	AC	AD	HD	L
56M	90	71	36	9	20	3	7.2	56	5.8	65	50	80	M5	2.5	100	80	120	7	3.0	112	115	90	146	198
63M	100	80	40	11	23	4	8.5	63	7	75	60	90	M5	2.5	115	95	140	10	3.0	120	127	95	158	225
71M	112	90	45	14	30	5	11	71	7	85	70	105	M6	2.5	130	110	160	10	3.5	135	145	105	176	255
80M	125	100	50	19	40	6	15.5	80	10	100	80	120	M6	3.0	165	130	200	12	3.5	155	165	115	195	295
90S	140	100	56	24	50	8	20	90	10	115	95	140	M8	3.0	165	130	200	12	3.5	175	180	120	210	331
90L	140	125	56	24	50	8	20	90	10	115	95	140	M8	3.0	165	130	200	12	3.5	175	180	120	210	361
110L	160	140	63	28	60	8	24	100	12	130	110	160	M8	3.5	215	180	250	15	4.0	200	200	155	255	392
112M	190	140	70	28	60	8	24	112	12	130	110	180	M8	3.5	215	180	250	15	4.0	230	222	180	274	406
132S	216	140	89	38	80	10	33	132	12	165	130	200	M10	4.0	265	230	300	15	4.0	260	260	200	314	473
132M	216	178	89	38	80	10	33	132	12	165	130	200	M10	4.0	265	230	300	15	4.0	260	260	200	314	505
160M	254	210	108	42	110	12	37	160	15	215	180	250	M12	4.0	300	250	350	18.5	5.0	304	315	242	402	609
160L	254	210	108	42	110	12	37	160	15	215	180	250	M12	4.0	300	250	350	18.5	5.0	304	315	242	402	653

YSEJ制动电机/YSEJ brake motor





YSEJ制动电机/YSEJ brake motor

1500r/min 380V 5OHz

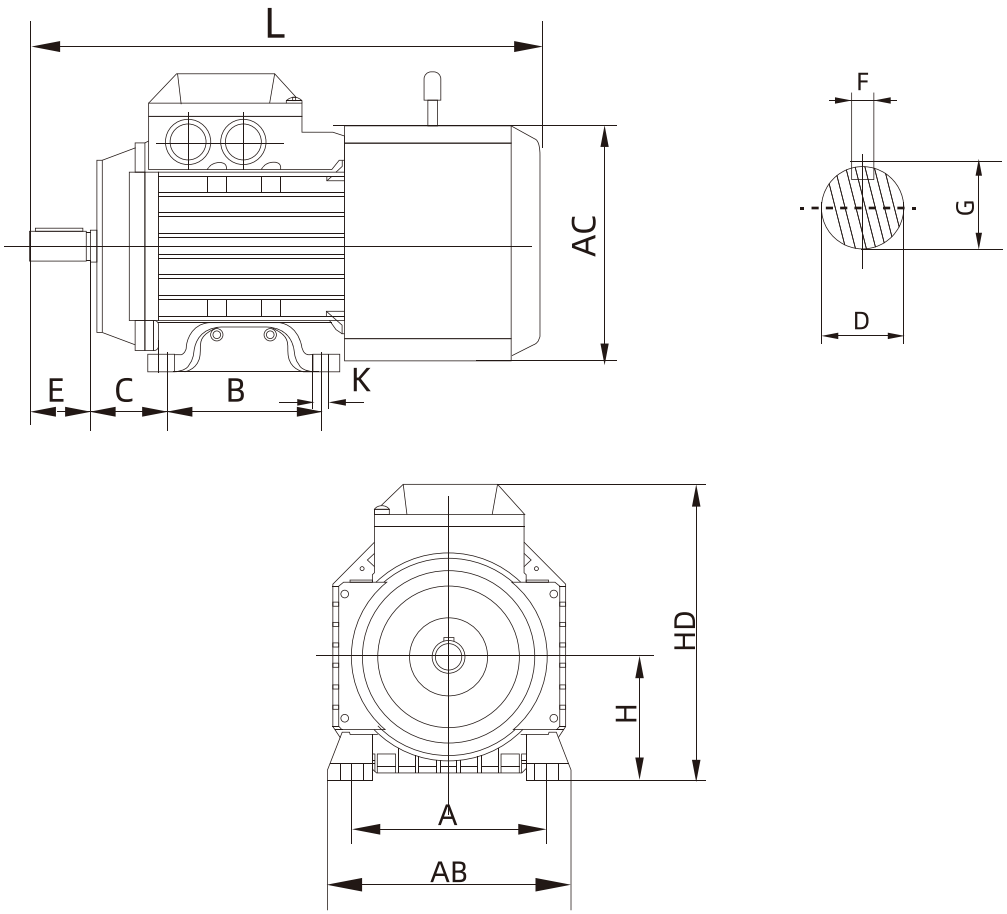
型号 Type	额定功率 Rated Power	额定转速 Rated Speed	效率 Efficiency	功率因数 Power Factor	额定电流 Rated Current	额定转矩 Rated Torque	堵转转矩 Locked Rotor torque / 额定转矩 Rated Torque	最大转矩 Maximum Torque / 额定转矩 Rated Torque		空载制动时间 Brake torquedu ring Idie
	KW	rpm	η%	cosΦ	A	Nm	Ts/Tn	Tmax/Tn		S
YSVF-631-4	0.12	1360	57.0	0.72	0.44	0.84	2.2	2.0	3.5	0.10
YSVF-632-4	0.18	1360	60.0	0.73	0.62	1.26	2.2	2.0	3.5	0.10
YSVF-711-4	0.25	1375	65.0	0.74	0.79	1.74	2.2	2.0	4.0	0.10
YSVF-712-4	0.37	1375	67.0	0.75	1.12	2.57	2.2	2.0	4.0	0.10
YSVF-801-4	0.55	1405	71.0	0.75	1.57	3.74	2.2	2.4	7.5	0.10
YSVF-802-4	0.75	1405	73.0	0.76	2.02	5.10	2.2	2.4	7.5	0.10
YSVF-90S-4	1.10	1445	75.0	0.77	2.82	7.27	2.2	2.3	15	0.15
YSVF-90L-4	1.50	1445	78.0	0.79	3.70	9.91	2.2	2.3	15	0.15
YSVF-100L1-4	2.20	1440	80.0	0.81	5.16	14.6	2.2	2.3	30	0.15
YSVF-100L2-4	3.00	1440	82.0	0.82	6.78	19.9	2.2	2.3	30	0.15
YSVF-112M-4	4.00	1440	84.0	0.82	8.82	26.5	2.2	2.3	40	0.15
YSVF-132S1-4	5.50	1440	85.0	0.83	11.7	36.5	2.2	2.3	80	0.15
YSVF-132S2-4	7.50	1440	87.0	0.84	15.6	49.7	2.2	2.3	80	0.15
YSVF-160M1-4	11.0	1450	88.0	0.85	21.3	72.4	2.2	2.2	150	0.30
YSVF-160m2-4	15.0	1450	89.0	0.85	30.1	98.8	2.2	2.2	150	0.30
YSVF-180L-4	18.5	1455	90.5	0.86	36.5	121.4	2.2	2.2	150	0.30
YSVF-180M-4	22.0	1455	91.0	0.86	43.1	144.4	2.0	2.2	200	0.30

1000r/min 380V 5OHz

YSVF-711-6	0.18	900	56.0	0.66	0.71	1.91	1.9	2.0	4.0	0.10
YSVF-712-6	0.25	900	59.0	0.68	0.95	2.65	1.9	2.0	4.0	0.10
YSVF-801-6	0.37	910	62.0	0.70	1.30	3.88	1.9	2.0	7.5	0.10
YSVF-802-6	0.55	910	65.0	0.72	1.79	5.77	1.9	2.1	7.5	0.10
YSVF-90S-6	0.75	930	69.0	0.72	2.26	7.7	2.1	2.1	15	0.15
YSVF-90L-6	1.10	940	72.0	0.73	3.14	11.2	2.1	2.1	15	0.15
YSVF-100L-6	1.50	940	76.0	0.76	3.95	15.2	2.2	2.1	30	0.15
YSVF-112M-6	2.20	960	79.0	0.76	5.57	21.9	2.2	2.1	40	0.15
YSVF-132S-6	3.00	960	81.0	0.76	7.40	29.8	2.2	2.1	80	0.15
YSVF-132M1-6	4.00	960	82.0	0.76	9.63	39.8	2.2	2.1	80	0.15
YSVF-132M2-6	5.50	960	84.0	0.77	12.9	54.7	2.2	2.1	150	0.30
YSVF-160M-6	7.50	970	86.0	0.77	17.0	73.8	1.8	2.1	150	0.30
YSVF-160L-6	11.0	970	87.5	0.78	24.3	108.3	1.9	2.1	150	0.30

YSEJ制动电机/YSEJ brake motor

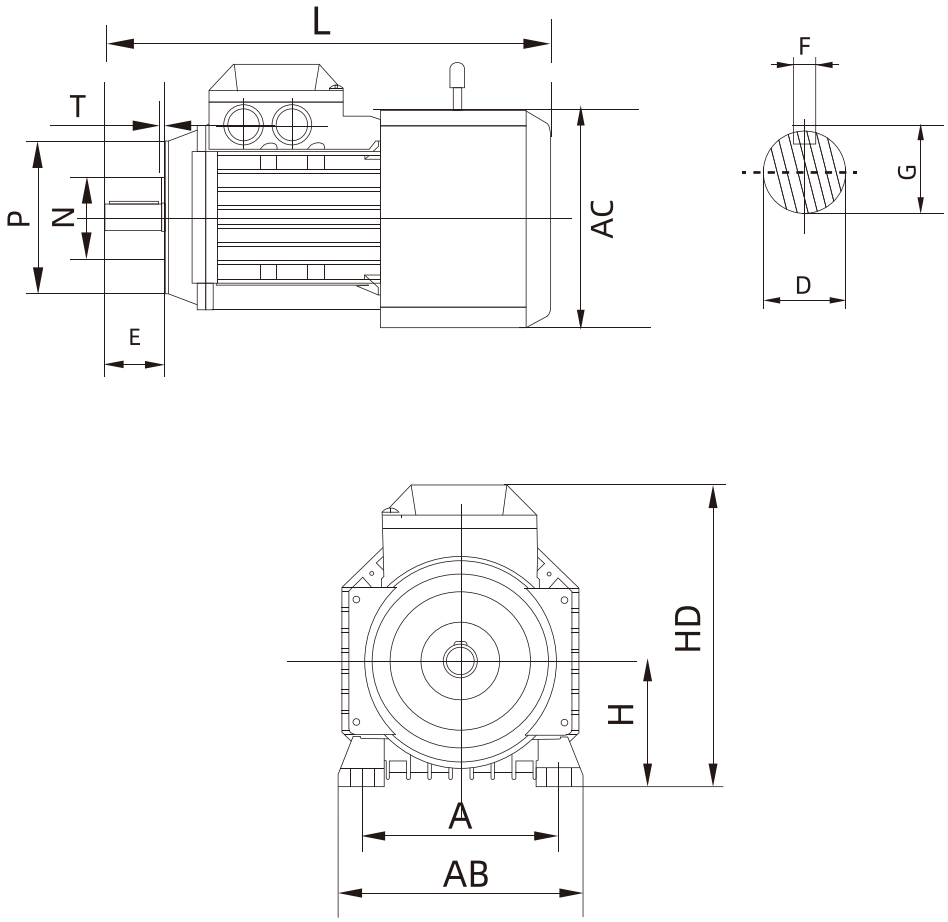
IM B3 H63-180



机座号 Frame Size	外型及安装尺寸 Installation Dimensions												
	A	B	C	D	E	F	G	H	K	AB	AC	HD	L
63	100	80	40	Φ11	23	4	12.5	63	Φ7	135	120X120	167	260
71	112	90	45	Φ14	30	5	16	71	Φ7	137	130X130	178	295
80	125	100	50	Φ19	40	6	21.5	80	Φ10	155	145X145	190	340
90S	140	100	56	Φ24	50	8	27	90	Φ10	175	160X160	205	390
90L	140	125	56	Φ24	50	8	27	90	Φ10	175	160X160	205	400
100L	160	140	63	Φ28	60	8	31	100	Φ12	200	185X185	240	430
112M	190	140	70	Φ28	60	8	31	112	Φ12	230	200X200	270	460
132S	216	140	89	Φ38	80	10	41	132	Φ12	270	245X245	315	525
132M	216	178	89	Φ38	80	10	41	132	Φ12	270	245X245	315	525
160M	254	210	108	Φ42	110	12	45	160	Φ14.5	320	335X335	450	850
160L	254	254	108	Φ42	110	12	45	160	Φ14.5	320	335X335	450	870
180M	279	241	121	Φ48	110	14	51.5	180	Φ14.5	355	370X370	500	880
180L	279	279	121	Φ48	110	14	51.5	180	Φ14.5	355	370X370	500	980

YSEJ制动电机/YSEJ brake motor

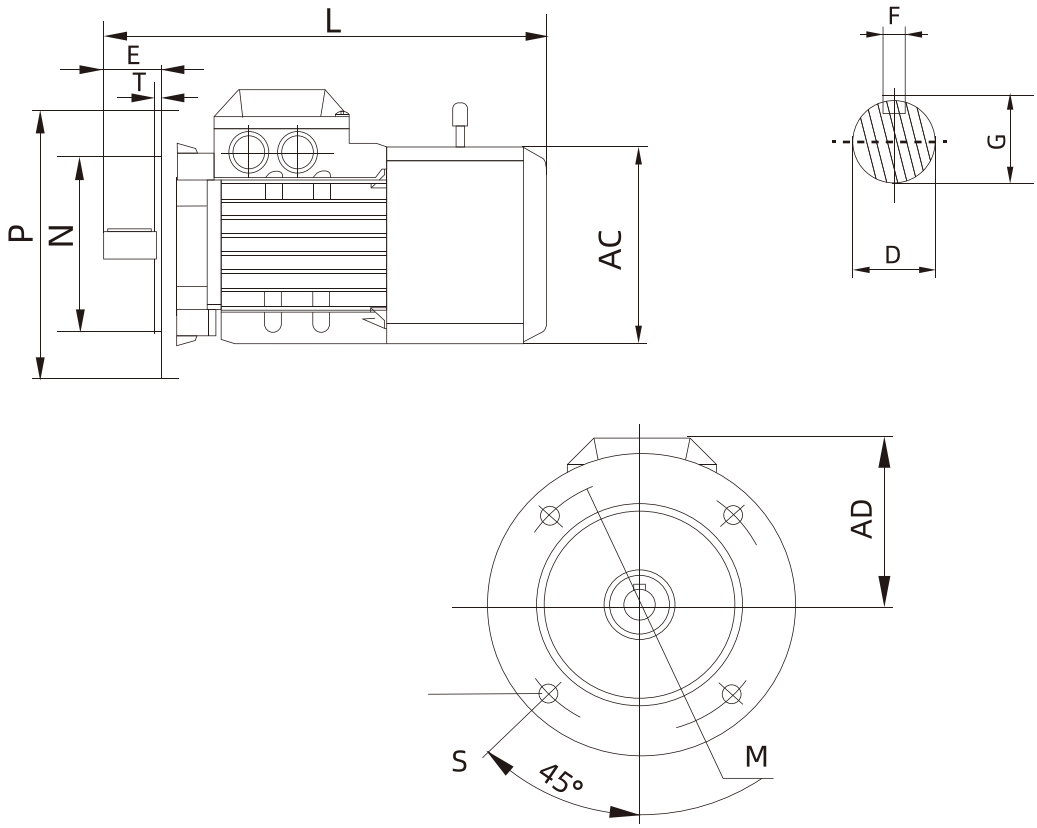
IM B14 H63-112



机座号 Frame Size	外型及安装尺寸 Installation Dimensions											
	D	E	F	G	M	N	P	S	T	AC	AD	L
63	Φ11	23	4	12.5	75	60	90	M5	2.5	120X120	104	255
71	Φ14	30	5	16	85	70	105	M6	2.5	130X130	107	305
80	Φ19	40	6	21.5	100	80	110	M6	3.0	145X145	115	340
90S	Φ24	50	8	27	115	95	120	M8	3.0	160X160	122	400
90L	Φ24	50	8	27	115	95	120	M8	3.0	160X160	122	400
100L	Φ28	60	8	31	130	110	155	M8	3.5	185X185	137	440
112M	Φ28	60	8	31	130	110	160	M8	3.5	200X200	155	480

YSEJ制动电机/YSEJ brake motor

IM B5 H63-180



机座号 Frame Size	外型及安装尺寸 Installation Dimensions											
	D			G		N	P	S	T	AC	AD	L
63	Φ11				115	95	140	10	3.0	120X120	104	255
71	Φ14	30		16	130	110	160	10	3.0	130X130	107	305
80M	Φ19	40	6	21.5	165	130	200	12	3.5	145X145	115	340
90S	Φ24	50	8	27	165	130	200	12	3.5	160X160	122	400
90L	Φ24	50	8	27	165	130	200	12	3.5	160X160	122	400
100L	Φ28	60	8	31	215	180	250	14.5	4	185X185	137	440
112M	Φ28	60	8	31	215	180	250	14.5	4	200X200	155	480
132S	Φ38	80	10	41	265	230	300	14.5	4	245X245	180	567
132M	Φ38	80	10	41	265	230	300	14.5	4	245X245	180	567
160M	Φ42	110	12	45	300	250	350	18.5	5	335X335	290	780
160L	Φ42	110	12	45	300	250	350	18.5	5	335X335	290	780
180M	Φ48	110	14	51.5	300	250	350	18.5	5	370X370	340	880
180L	Φ48	110	14	51.5	300	250	350	18.5	5	370X370	340	880

三相电机的变频调速/Overview of the three-phase inverter motor





三相电机的变频调速/Overview of the three-phase inverter motor

由于电动机在低频区工作时，因转速降低而使电动机原有设计的通风系统作用降低，电动机温度上升，因此在电动机后端装有一台单相220V或三相380V的独立轴流冷却风机，保障电动机在任何转速下得到有效的散热，可实现电动机在高速或低速下长期运行。我公司生产的YVF三相变频电动机可配制动器，也可以配编码器，实现低速无级调速控制。YVF三相变频电动机通用性好，其安装尺寸符合IEC标准，与一股标准型电动机具有互换性。

Since the motor is in a low frequency region, because the motor speed is reduced leaving the original ventilation system-designed to reduce the role of the motor temperature rise, so the rear end of the motor with a single-phase 220V or 380V three-phase individual axial cooling fan, to protect effective cooling of the motor at any speed, the electic motor can run at high speed or low.I produced YVF brakes can be equipped with three-phase inverter motor can also be equipped with an encoder to achieve low stepless speed control. With the IEC standard flange Installation dimensions.YVF three·phase inverter motor keep the good universal,and it can be interchanged with general standard motor.

YSVF系列技术参数/YSvF series of technical parameters

3000r/min 380V 50 Hz

型号 Type	额定功率 Rated Power	额定转速 Rated Speed	效率 Efficiency	功率因数 Power Factor	额定电流 Rated Current	额定转矩 Rated Torque	堵转转矩 Locked Rotor torque 额定转矩 Rated Torque	最大转矩 Maximum Torque 额定转矩 Rated Torque	变频风机 Frequency Conversion Blower 电压VOLTAGE V 三相 Three Phase	单相 Single Phase	转速 Speed r p m
	KW	rpm	η%	cosΦ	A	Nm	Ts/Tn	Tmax/Tn			
YSVF-631-2	0.18	2800	65.0	0.80	0.53	0.61	2.2	2.2	380	220	2800
YSVF-632-2	0.25	2800	68.0	0.81	0.69	0.85	2.2	2.2	380	220	2800
YSVF-711-2	0.37	2830	70.0	0.81	0.99	1.25	2.2	2.2	380	220	2800
YSVF-712-2	0.55	2830	73.0	0.82	1.40	1.86	2.2	2.3	380	220	2800
YSVF-801-2	0.75	2840	75.0	0.83	1.83	2.52	2.2	2.3	380	220	2800
YSVF-802-2	1.10	2840	77.0	0.85	2.55	3.70	2.2	2.3	380	220	2800
YSVF-90S-2	1.50	2840	79.0	0.85	3.39	5.04	2.2	2.3	380	220	2800
YSVF-90L-2	2.20	2840	81.0	0.86	4.80	7.40	2.2	2.3	380	220	2800
YSVF-100L1-2	3.00	2860	83.0	0.87	6.31	10.0	2.2	2.3	380	220	2800
YSVF-112M-2	4.00	2880	84.0	0.88	8.22	13.3	2.2	2.3	380	220	2800
YSVF-132S1-2	5.50	2910	85.0	0.88	11.2	18.0	2.2	2.3	380	220	2800
YSVF-132S2-2	7.50	2910	86.0	0.88	15.1	24.6	2.2	2.3	380	220	2800
YSVF-160M1-2	11.0	2930	88.0	0.89	21.3	35.9	2.2	2.3	380	220	2800
YSVF-160M2-2	15.0	2930	89.0	0.89	28.8	48.9	2.2	2.3	380	220	2800
YSVF-160L-2	18.5	2935	90.0	0.90	34.7	60.2	2.2	2.3	380	220	2800
YSVF-180M-2	22.0	2935	90.0	0.90	41.3	71.6	2.0	2.3	380	220	2800

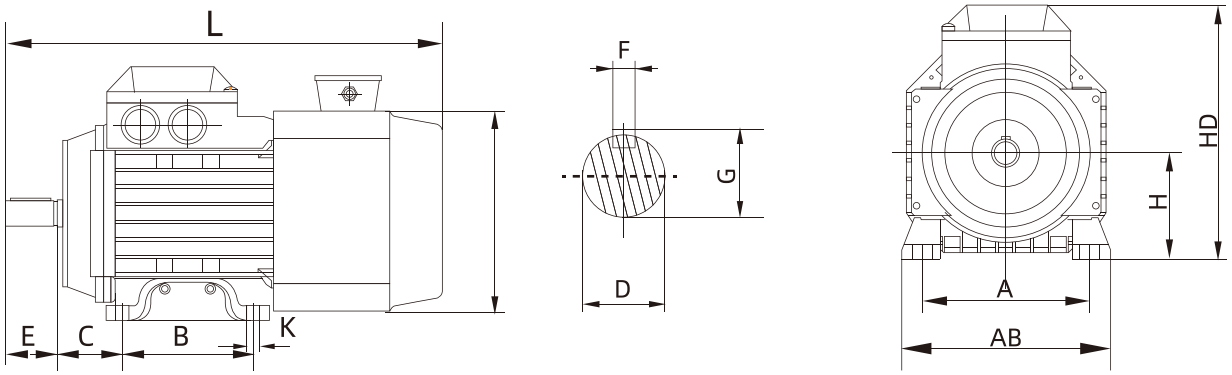
YSVF系列技术参数/YSvF series of technical parameters

1500r/min 380V 50Hz											
型号 Type	额定功率 Rated Power	额定转速 Rated Speed	效率 Efficiency	功率因数 Power Factor	额定电流 Rated Current	额定转矩 Rated Torque	堵转转矩 Locked Rotor torque 额定转矩 Rated Torque	最大转矩 Maximum Torque 额定转矩 Rated Torque	变频风机 Frequency Conversion Blower 电压VOLTAGE V 三相 Three Phase	单相 Single Phase	转速 Speed r p m
	KW	rpm	η%	cosΦ	A	Nm	Ts/Tn	Tmax/Tn			
YSVF-631-4	0.12	1360	57.0	0.72	0.44	0.84	2.2	2.0	380	220	2800
YSVF-632-4	0.18	1360	60.0	0.73	0.62	1.26	2.2	2.0	380	220	2800
YSVF-711-4	0.25	1375	65.0	0.74	0.79	1.74	2.2	2.0	380	220	2800
YSVF-712-4	0.37	1375	67.0	0.75	1.12	2.57	2.2	2.0	380	220	2800
YSVF-801-4	0.55	1405	71.0	0.75	1.57	3.74	2.2	2.4	380	220	2800
YSVF-802-4	0.75	1405	73.0	0.77	2.02	5.10	2.2	2.4	380	220	2800
YSVF-90S-4	1.10	1445	75.0	0.79	2.82	7.27	2.2	2.3	380	220	2800
YSVF-90L-4	1.50	1445	78.0	0.79	3.70	9.91	2.2	2.3	380	220	2800
YSVF-100L1-4	2.20	1440	80.0	0.81	5.16	14.6	2.2	2.3	380	220	2800
YSVF-100L2-4	3.00	1440	82.0	0.82	6.78	19.9	2.2	2.3	380	220	2800
YSVF-112M-4	4.00	1440	84.0	0.82	8.82	26.5	2.2	2.3	380	220	2800
YSVF-132S1-4	5.50	1440	85.0	0.84	11.7	36.5	2.2	2.3	380	220	2800
YSVF-132S2-4	7.50	1440	87.0	0.84	15.6	49.7	2.2	2.3	380	220	2800
YSVF-160M-4	11.0	1450	88.0	0.85	21.3	72.4	2.2	2.2	380	220	2800
YSVF-160L-4	15.0	1450	89.0	0.85	30.1	98.8	2.2	2.2	380	220	2800
YSVF-180M-4	18.5	1455	90.5	0.86	36.5	121.4	2.2	2.2	380	220	2800
YSVF-180L-4	22.0	1455	91.0	0.86	43.1	144.4	2.0	2.2	380	220	2800

1000r/min 380V 5OHz											
YSVF-711-6	0.18	900	58.0	0.66	0.71	1.91	1.9	2.0	380	220	2800
YSVF-712-6	0.25	900	59.0	0.68	0.95	2.65	1.9	2.0	380	220	2800
YSVF-801-6	0.37	910	62.0	0.70	1.30	3.88	1.9	2.0	380	220	2800
YSVF-802-6	0.55	910	65.0	0.72	1.79	5.77	1.9	2.1	380	220	2800
YSVF-90S-6	0.75	930	70.0	0.72	2.26	7.7	2.1	2.1	380	220	2800
YSVF-90L-6	1.10	940	73.0	0.73	3.14	11.2	2.1	2.1	380	220	2800
YSVF-100L-6	1.50	940	76.0	0.76	3.95	15.2	2.2	2.1	380	220	2800
YSVF-112M-6	2.20	960	79.0	0.76	5.57	21.9	2.2	2.1	380	220	2800
YSVF-132S-6	3.00	960	81.0	0.76	7.40	29.8	2.2	2.1	380	220	2800
YSVF-132M1-6	4.00	960	83.0	0.76	9.63	39.8	2.2	2.1	380	220	2800
YSVF-132M2-6	5.50	960	84.0	0.77	12.9	54.7	2.2	2.1	380	220	2800
YSVF-160M-6	7.50	970	86.0	0.78	17.0	73.8	1.8	2.1	380	220	2800
YSVF-160L-6	11.0	970	87.0	0.79	24.3	108.3	1.9	2.1	380	220	2800
YSVF-180L-6	15.0	970	89.0	0.81	31.6	147.7	2.1	2.1	380	220	2800

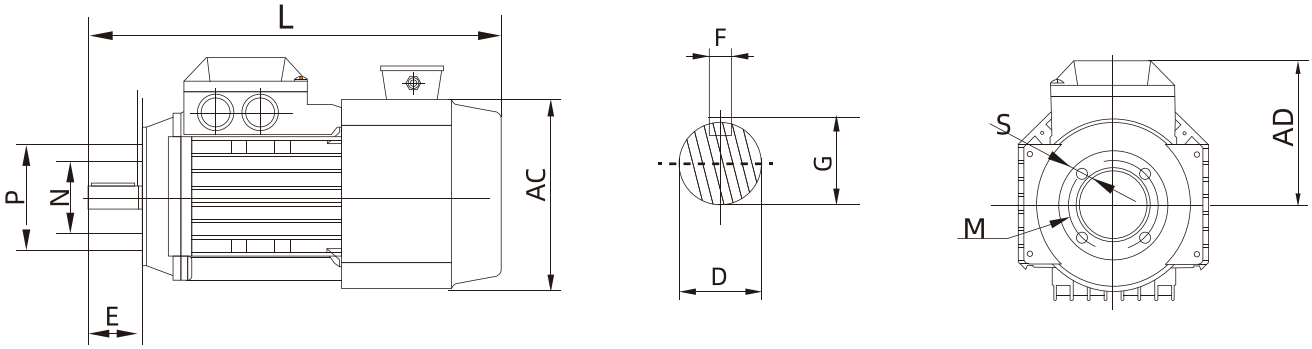
YSVF系列技术参数/YSvF series of technical parameters

IM B3 H63-180



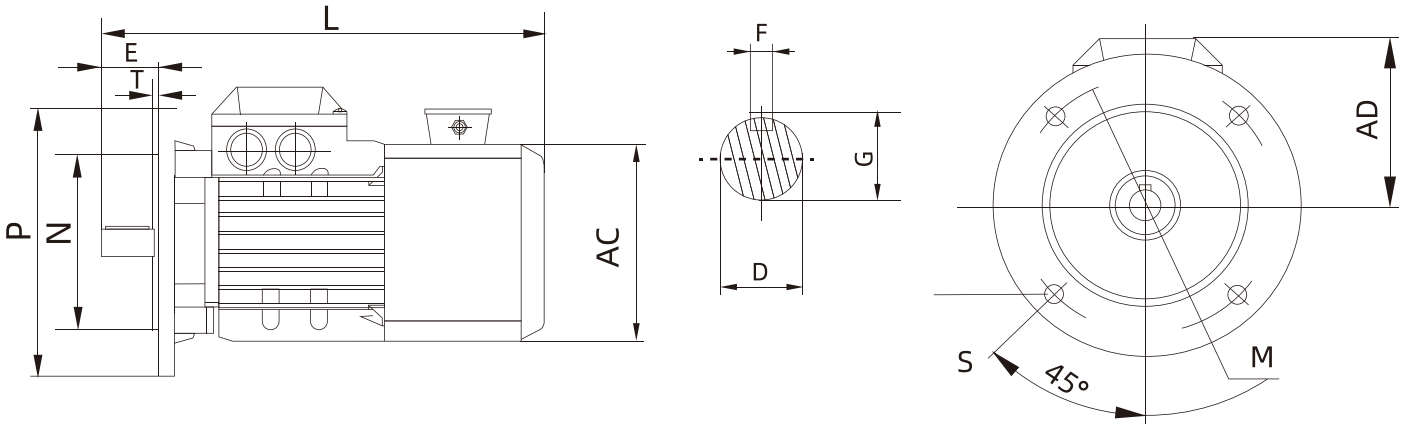
机座号 Frame Size	外型及安装尺寸 Installation Dimensions												
	A	B	C	D	E	F	G	H	K	AB	AC	HD	L
63	100	80	40	Φ11	23	4	12.5	63	Φ7	135	120X120	167	260
71	112	90	45	Φ14	30	5	16	71	Φ7	137	130X130	178	295
80	125	100	50	Φ19	40	6	21.5	80	Φ10	155	145X145	190	340
90S	140	100	56	Φ24	50	8	27	90	Φ10	175	160X160	205	390
90L	140	125	56	Φ24	50	8	27	90	Φ10	175	160X160	205	400
100L	160	140	63	Φ28	60	8	31	100	Φ12	200	185X185	240	430
112M	190	140	70	Φ28	60	8	31	112	Φ12	230	200X200	270	460
132S	216	140	89	Φ38	80	10	41	132	Φ12	270	245X245	315	525
132M	216	178	89	Φ38	80	10	41	132	Φ12	270	245X245	315	525
160M	254	210	108	Φ42	110	12	45	160	Φ14.5	320	335X335	450	850
160L	254	254	108	Φ42	110	12	45	160	Φ14.5	320	335X335	450	870
180M	279	241	121	Φ48	110	14	51.5	180	Φ14.5	355	370X370	500	880
180L	279	279	121	Φ48	110	14	51.5	180	Φ14.5	355	370X370	500	980

IM B14 H63-112



YSVF系列技术参数/YSvF series of technical parameters

机座号 Frame Size	外型及安装尺寸 Installation Dimensions											
	D	E	F	G	M	N	P	S	T	AC	AD	L
63	Φ11	23	4	12.5	75	60	90	M5	2.5	120X120	104	260
71	Φ14	30	5	16	85	70	105	M6	2.5	130X130	107	295
80	Φ19	40	6	21.5	100	80	110	M6	3.0	145X145	115	340
90S	Φ24	50	8	27	115	95	120	M8	3.0	160X160	122	390
90L	Φ24	50	8	27	115	95	120	M8	3.0	160X160	122	400
100L	Φ28	60	8	31	130	110	155	M8	3.5	185X185	137	430
112M	Φ28	60	8	31	130	110	160	M8	3.2	200X200	155	460



机座号 Frame Size	外型及安装尺寸 Installation Dimensions											
	D	E	F	G	M	N	P	S	T	AC	AD	L
63	Φ11	23	4	12.5	115	95	140	10	3.0	120X120	104	260
71	Φ14	30	5	16	130	110	160	10	3.5	130X130	107	295
80	Φ19	40	6	21.5	165	130	200	12	3.5	145X145	115	340
90S	Φ24	50	8	27	165	130	200	12	3.5	160X160	122	390
90L	Φ24	50	8	27	165	130	200	12	3.5	160X160	122	400
100L	Φ28	60	8	31	215	180	250	14.5	4	185X185	137	430
112M	Φ28	60	8	31	215	180	250	14.5	4	200X200	155	460
132S	Φ38	80	10	41	265	230	300	14.5	4	245X245	180	525
132M	Φ38	80	10	41	265	230	300	14.5	4	245X245	180	252
160M	Φ42	110	12	45	300	250	350	18.5	5	335X335	290	850
160L	Φ42	110	12	45	300	250	350	18.8	5	335X335	290	870
180M	Φ48	110	14	51.5	300	250	350	18.5	5	370X370	340	880
180L	Φ48	110	14	51.5	300	250	350	18.4	5	370X370	340	980

YL/ML系列技术参数/YL(ML)/Series motor technology parameters





YL/ML系列技术参数/YL(ML)/Series motor technology parameters

◎产品简介

YLML系列单相异步铝壳电容起动电动机采用了国际上最新设计由高质量材料按IEC相关标准研制而成，具有性能良好，操作可靠、安全，外表美观，维修方便，噪音小，微振动，重量轻，结构简单等一系列优点。YL/ML系列电动机适用于空压机，水泵，制冷器，医疗仪器，设备和其它需满载起动的机器。

◎使用条件

环境温度:-15℃<0<40℃
海拔:不超过1000m
额定电压:220V,110V~240V
工作方式:S1(连续工作制)
绝缘等级:B、F、H
防护等级:IP54、IP55
冷却方式:IC0141

◎INTRODUCE

YL/ML series Aluminum housing single-phase two value capacitor asynchronous motos, with the nation-allatestdesign, are made of quality materials and meet the relative standards of IEC YL/ML series motors havefollowing features: good performance, safe and reliableoperation,nice appearance, convenient maintenance,low noise，slight vibration，light weight and simple construction.This series motors can be used on aircompressor,pumps,refrigeration, medical apparatus and instruments, and many other small size machines.

◎OPERATING CONDITIONS

Ambient temperature:-15℃<0<40℃
Altitude: not exceed 1000m
Rated voltage: 220V.110V~240V
Rated frequency: 50Hz/60Hz
Duty: S1 (continuous)
lnsulation class: B/F/H
Protection class: IP54/IP55

(220V,50Hz)

型号 Type	功率 Output (KW)	电压 Voltage (V)	电流 Curent (A)	转速 Speed (r/min)	效率 Efficiency (%)	功率因数 Power Factor (cosΦ)	堵转电流 Locked current (倍)	最大转矩 额定转矩 Max Torque Rated Torque
YL7112	0.25	220	1.95	2800	65	0.92	11	1.8
YL7112	0.37	220	2.73	2800	67	0.92	16	1.8
YL8012	0.55	220	3.88	2800	70	0.92	29	1.8
YL8022	0.75	220	5.15	2800	72	0.92	40	1.8
YL90S-2	1.10	220	7.02	2800	75	0.95	55	1.8
YL90L-2	1.50	220	9.44	2800	76	0.95	11	1.8
YL7114	0.18	220	1.55	1400	59	0.92	12	1.8
YL7124	0.25	220	1.99	1400	62	0.92	16	1.8
YL7134	0.37	220	2.81	1400	65	0.92	16	1.8
YL8014	0.37	220	2.81	1400	65	0.92	21	1.8
YL8024	0.55	220	4.00	1400	68	0.92	29	1.8
YL8034	0.75	220	5.22	1400	71	0.92	40	1.8
YL90S-4	1.10	220	7.21	1400	73	0.95	55	1.8
YL90L-4	1.50	220	9.57	1400	75	0.95	80	1.8
YL100L-4	2.20	220	13.9	1400	76	0.95	80	1.8