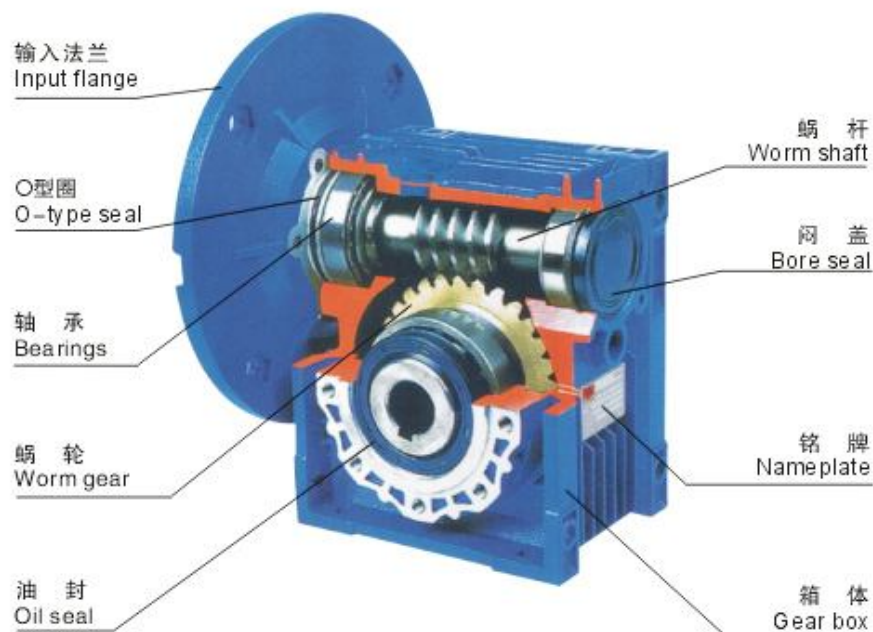


RV 蜗轮减速机 RV Worm-gear speedreducer

结构图 Structural picture



型号标记 Type mark

RV L E 063 - F1 - A1 - 50 - B3

铝合金箱体 硬齿面蜗杆
A-alloy casing hardened-surface worm

轴输入 S双输入轴,无标志=输入法兰
Shaft input S double-input shaft
without mark=input flange

双级组合
Double-geared transmission
中心距
Center distance

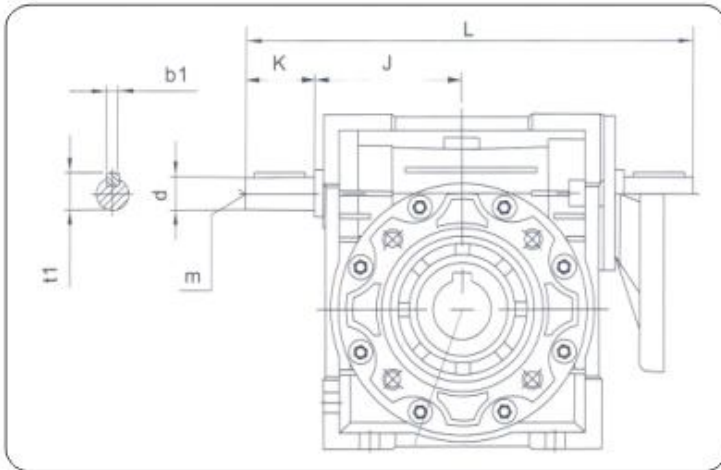
F1配输出短法兰, F2配输出长法兰, 无标志=不带输出法兰
F1 equipped with short output flange, F2 equipped with long output flange,
no mark=without output flange

安装型
Installation type

减速比
RATIO (i)

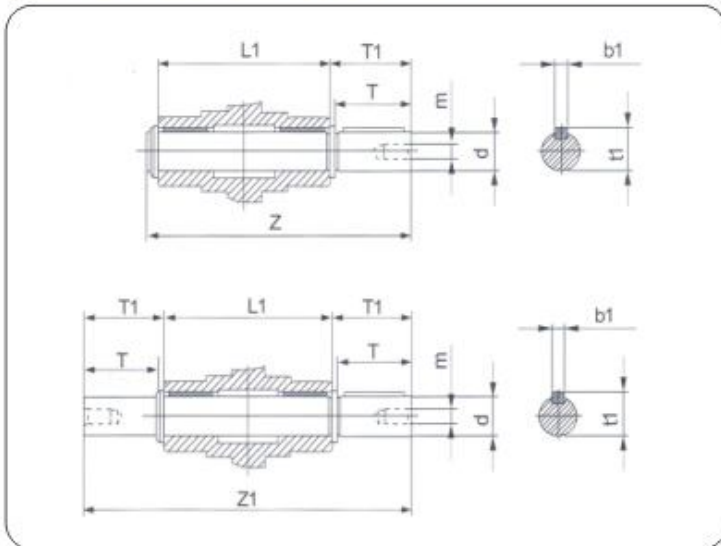
A1配单向输出轴, 无标志=不配输出轴
A1 equipped with single output shaft, no mark=without output shaft

蜗杆双输入(S)尺寸/Extension worm shaft(S)dimensions



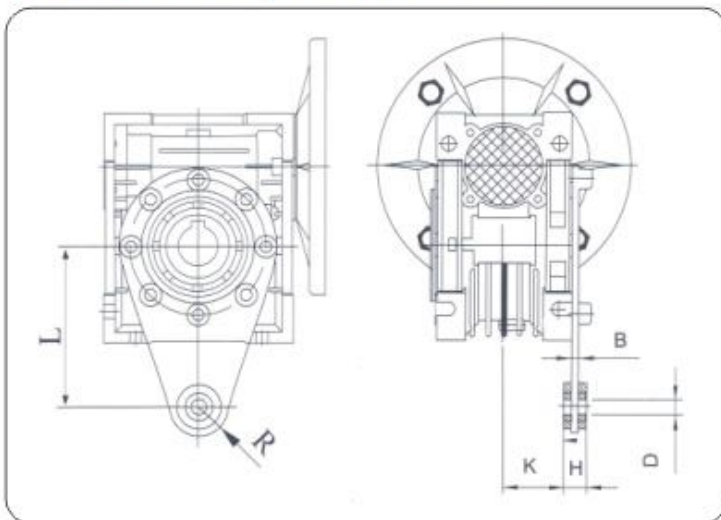
	J	d(j6)	K	L	m	b1	t1
025	37	9	20	115	-	3	10.2
030	45	9	20	136	-	3	10.2
040	53	11	23	159	-	4	12.5
050	64	14	30	198	M6	5	16
063	75	19	40	245	M6	6	21.5
075	90	24	50	295	M8	8	27
090	108	24	50	333	M8	8	27
110	135	28	60	397	M10	8	31
130	155	30	80	477	M10	8	33

蜗轮输出轴 (A, A2) 尺寸/Output shaft (A, A2) dimensions



	d(j6)	T	T1	L1	Z	b1	t1
025	11	23	25.5	50	101	4	12.5
030	14	30	32.5	63	128	5	16
040	18	40	43	78	164	6	20.5
050	25	50	53.5	92	199	8	28
063	25	50	53.5	112	218	8	28
075	28	60	63.5	120	247	8	31
090	35	80	84.5	140	308	10	38
110	42	80	84.5	155	324	12	45
130	45	80	85	170	340	14	48.5

扭力臂 (B) 尺寸/Torque arm (B) dimensions

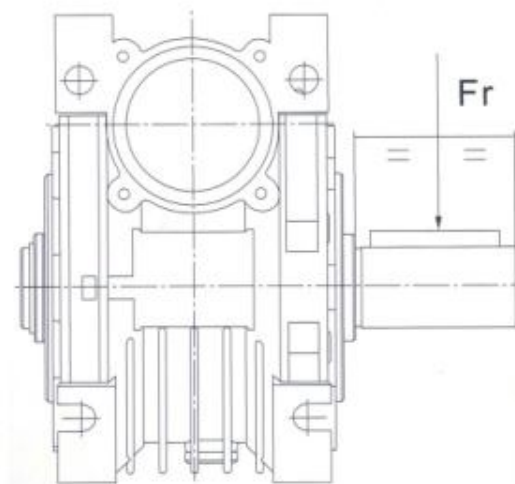


	L	H	K	D	R	B
025	70	14	17.5	8	15	4
030	85	14	24	8	15	4
040	100	14	31.5	10	18	4
050	100	14	38.5	10	18	4
063	150	14	49	10	18	6
075	200	25	47.5	20	30	6
090	200	25	57.5	20	30	6
110	250	30	62	25	35	6
130	250	30	69	25	35	6

减速机出力轴的许可径向加载力 (N)

Allowed radial loading force on output shaft of deduce(N)

I	n ₂	RV030	RV040	RV050	RV063	RV075	RV090	RV110	RV130
7.5	186	691	1325	1829	2378	2799	3098	3908	5112
10	140	758	1454	2007	2007	3072	3400	4288	5610
15	94	868	1665	2298	2298	3518	3893	4910	6424
20	70	954	1829	2525	2525	3865	4277	5395	7057
25	56	1033	1981	2735	2735	4187	4633	5844	7645
30	47	1088	2087	2881	2881	4410	4880	6155	8052
40	35	1204	2309	3188	3188	4880	5401	6812	8912
50	28	1296	2485	3431	3431	5252	5812	7331	9590
60	24	1381	2649	3658	3658	5599	6196	7815	10224
80	18	1516	2907	4014	4014	6144	6799	8576	11219
100	14	1638	3142	4338	4338	6639	7348	9268	12124



表中的数值为作用于出力轴中点的许可加载力。

当减速机为双出轴时，折算到轴端的径向合力不能超过表中规定的数值。

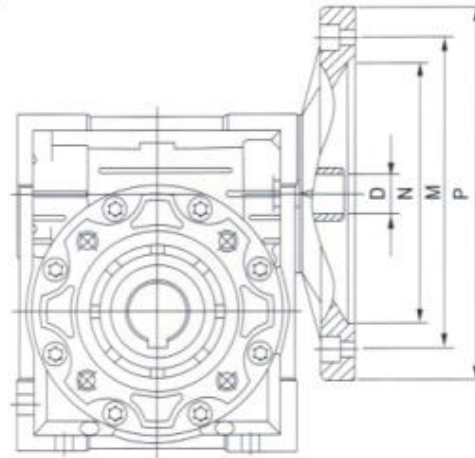
当径向力和轴向力同时施加时，最大许可的轴向推力为径向力的1/5。

Above table is the allowed loading force on the midpoint of output shaft.

When the reducer is with double output shafts, the resultant radial power at the edge of shaft should not exceed the values specified as in above table.

The max allowed axoal thrust is 1/5 of radial force while the radial force and axial force effected together.

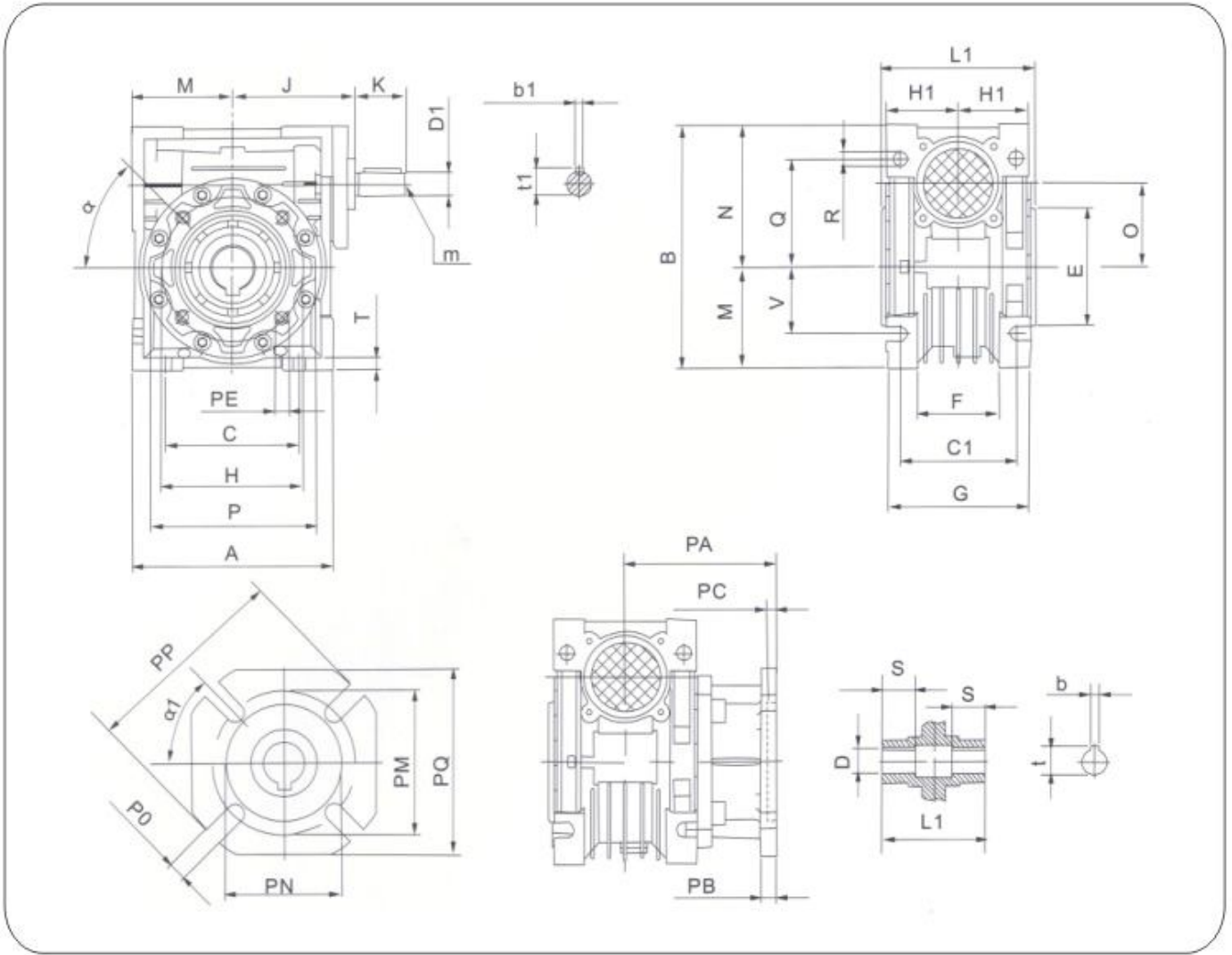
RV 减速机的电机配合接口
Motor connection for RV reducer



	PAME IEC	N		M		P	
		B5	B14	B5	B14	B5	B14
RV025	56/B14	-	50	-	65	-	80
RV030	56B5/B14	80	50	100	65	120	80
	63B5/B14	95	60	115	75	140	90
RV040	56B5	80	-	100	-	120	-
	63B5/B14	95	60	115	75	140	90
	71B5/B14	110	70	130	85	160	105
	80B5/B14	130	80	165	100	200	120
RV050	63B5	95	-	115	-	140	-
	71B5/B14	110	70	130	85	160	105
	80B5/B14	130	80	165	100	200	120
RV063	71B5/B14	110	70	130	85	160	105
	80B5/B14	130	80	130	100	200	120
	90B5/B14	130	95	165	115	200	140
RV075	80B5/B14	130	80	165	100	200	120
	90B5/B14	130	95	165	115	200	140
	100B5/B14	180	110	215	130	250	160
	112B5/B14	180	110	215	130	250	160
RV090	80B5/B14	130	80	165	100	200	120
	90B5/B14	130	95	165	115	200	140
	100B5/B14	180	110	215	130	250	160
	112B5/B14	180	110	215	130	250	160
RV110	90B5	130	-	165	-	200	-
	100B5	180	110	215	130	250	160
	112B5	180	110	215	130	250	160
	132B5	230	-	265	-	300	-
RV130	90B5	130	-	165	-	200	-
	100B5	180	110	215	130	250	160
	112B5	180	110	215	130	250	160
	132B5	230	-	265	-	300	-

7.5	10	15	20	25	30	40	50	60	80	100
D										
9	9	9	9	9	9	9	9	9	-	-
9	9	9	9	9	9	9	9	9	9	-
11	11	11	11	11	11	11	11	-	-	-
-	-	-	-	-	-	-	9	9	9	9
11	11	11	11	11	11	11	11	11	11	11
14	14	14	14	14	14	14	-	-	-	-
19	19	19	-	-	-	-	-	-	-	-
-	-	-	-	-	-	11	11	11	11	11
14	14	14	14	14	14	14	14	14	14	-
19	19	19	19	19	19	19	-	-	-	-
-	-	-	-	-	-	14	14	14	14	14
19	19	19	19	19	19	19	19	19	19	19
24	24	24	24	24	24	-	-	-	-	-
-	-	-	-	-	19	19	19	19	19	19
24	24	24	24	24	24	24	-	-	-	-
28	28	28	-	-	-	-	-	-	-	-
28	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	19	19	19	19
-	-	-	-	24	24	24	24	24	-	-
28	28	28	28	28	28	-	-	-	-	-
28	28	28	28	28	28	-	-	-	-	-
38	38	38	38	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	24	24
-	-	-	-	-	-	28	28	28	28	28
28	28	28	28	28	28	28	28	28	-	-
38	38	38	38	38	38	38	-	-	-	-

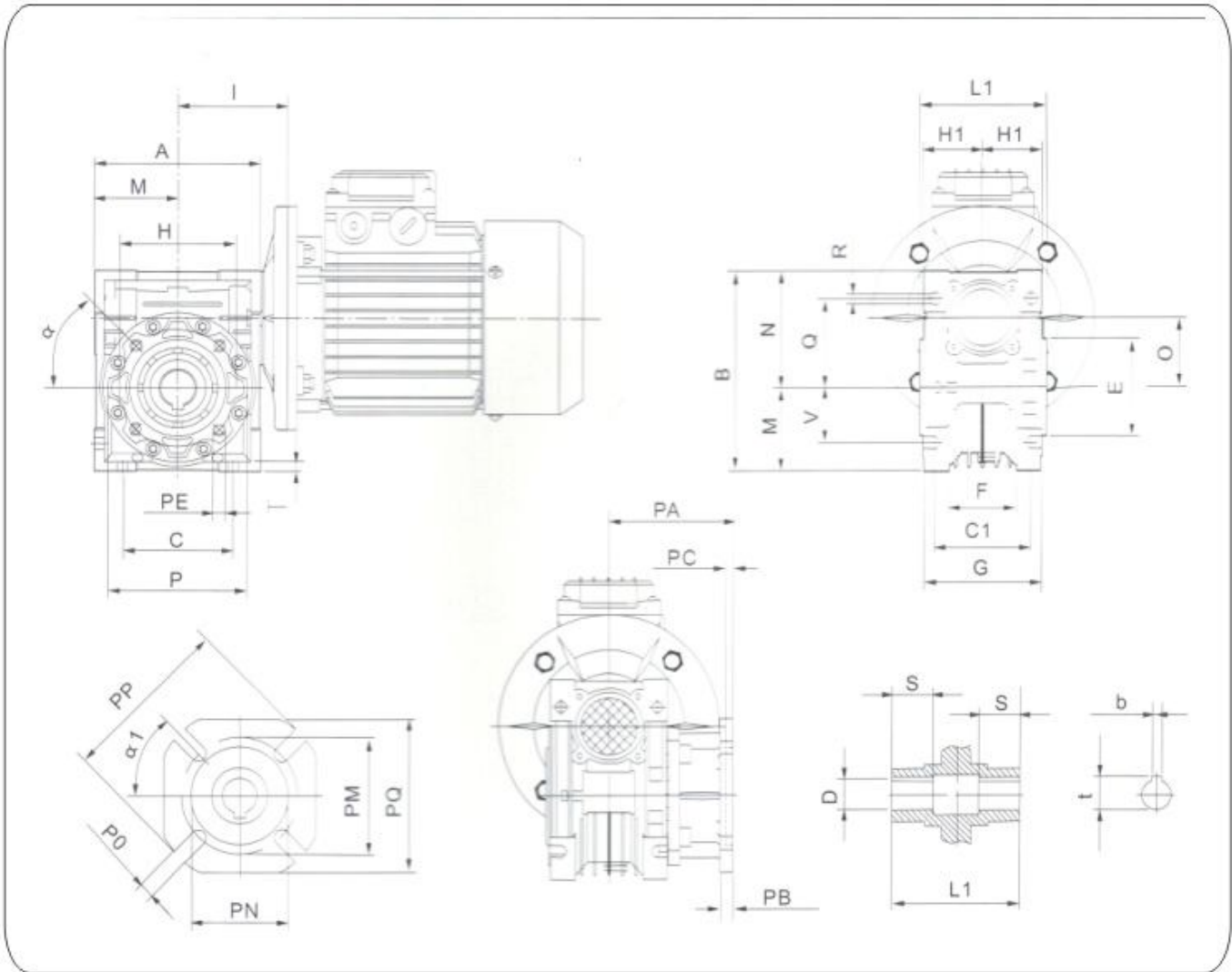
RVL尺寸/RVL Dimensions



RVL	A	B	C	C1	D(h7)	D1(j6)	E(h8)	F	G	H	H1	J	K	L1	M	N	O	P	Q	R
030	80	97	54	44	14	9	55	32	56	65	29	51	20	63	40	57	30	75	44	6.5
040	100	121.5	70	60	18	11	60	43	71	75	36.5	60	23	78	50	71.5	40	87	55	6.5
050	120	144	80	70	25	14	70	49	85	85	43.5	74	30	92	60	84	50	100	64	8.5
063	144	174	100	85	25	19	80	67	103	95	53	90	40	112	72	102	63	110	80	8.5
075	172	205	120	90	28	24	95	72	112	115	57	105	50	120	86	119	75	140	93	11
090	206	238	140	100	35	24	110	74	130	130	67	125	50	140	103	135	90	160	102	13
110	252.5	295	170	115	42	28	130	-	144	165	74	142	60	155	127.5	167.5	110	200	125	14
130	292.5	335	200	120	45	30	180	-	155	215	81	162	80	170	147.5	187.5	130	250	140	16

RVL	S	T	V	PA	PB	PC	PE	PM	PN(H8)	PO	PP	PQ	b	b1	t	t1	m	α	α1	kg
030	21	5.5	27	54.5	6	4	M6x11(n=4)	68	50	6.5(n=4)	80	70	5	3	16.3	10.2	-	0°	45°	1.2
040	26	6.5	35	67(97.5)	7	4	M6x8(n=4)	75	60	9(n=4)	110	95	6	4	20.8	12.5	-	45°	45°	2.3
050	30	7	40	90(119.5)	9	5	M8x10(n=4)	85	70	11(n=4)	125	110	8	5	28.3	16.0	M6	45°	45°	3.5
063	36	8	50	82(111)	10	6	M8x14(n=8)	150	115	11(n=4)	180	142	8	6	28.3	21.5	M6	45°	45°	6.2
075	40	10	60	111	13	6	M8x14(n=8)	165	130	14(n=4)	200	170	8	8	31.3	27.0	M8	45°	45°	9
090	45	11	70	111	13	6	M10x18(n=8)	175	152	14(n=4)	210	200	10	8	38.3	27.0	M8	45°	45°	13
110	50	14	85	131	15	6	M10x18(n=8)	230	170	14(n=4)	280	260	12	8	45.3	31.0	M10	45°	45°	35
130	60	15	100	140	15	6	M12x21(n=8)	255	180	16(n=8)	320	290	14	8	48.8	33.0	M10	45°	225°	48

RV尺寸/RV Dimensions



RV	A	B	C	C1	D(h7)	E(h8)	F	G	H	H1	I	L1	M	N	O	P	Q	R
030	80	97	54	44	14	55	32	56	65	29	55	63	40	57	30	75	44	6.5
040	100	121.5	70	60	18	60	43	71	75	36.5	70	78	50	71.5	40	87	55	6.5
050	120	144	80	70	25	70	49	85	85	43.5	80	92	60	84	50	100	64	8.5
063	144	174	174	85	25	80	67	103	95	53	95	112	72	102	63	110	80	8.5
075	172	205	120	90	28	95	72	112	115	57	112.5	120	86	119	75	140	93	11
090	206	238	140	100	35	110	74	130	130	67	129.5	140	103	135	90	160	102	13
110	252.5	295	170	115	42	130	-	144	165	74	160	155	127.5	167.5	110	200	125	14
130	292.5	335	200	120	45	180	-	155	215	81	180	170	147.5	187.5	130	250	140	16

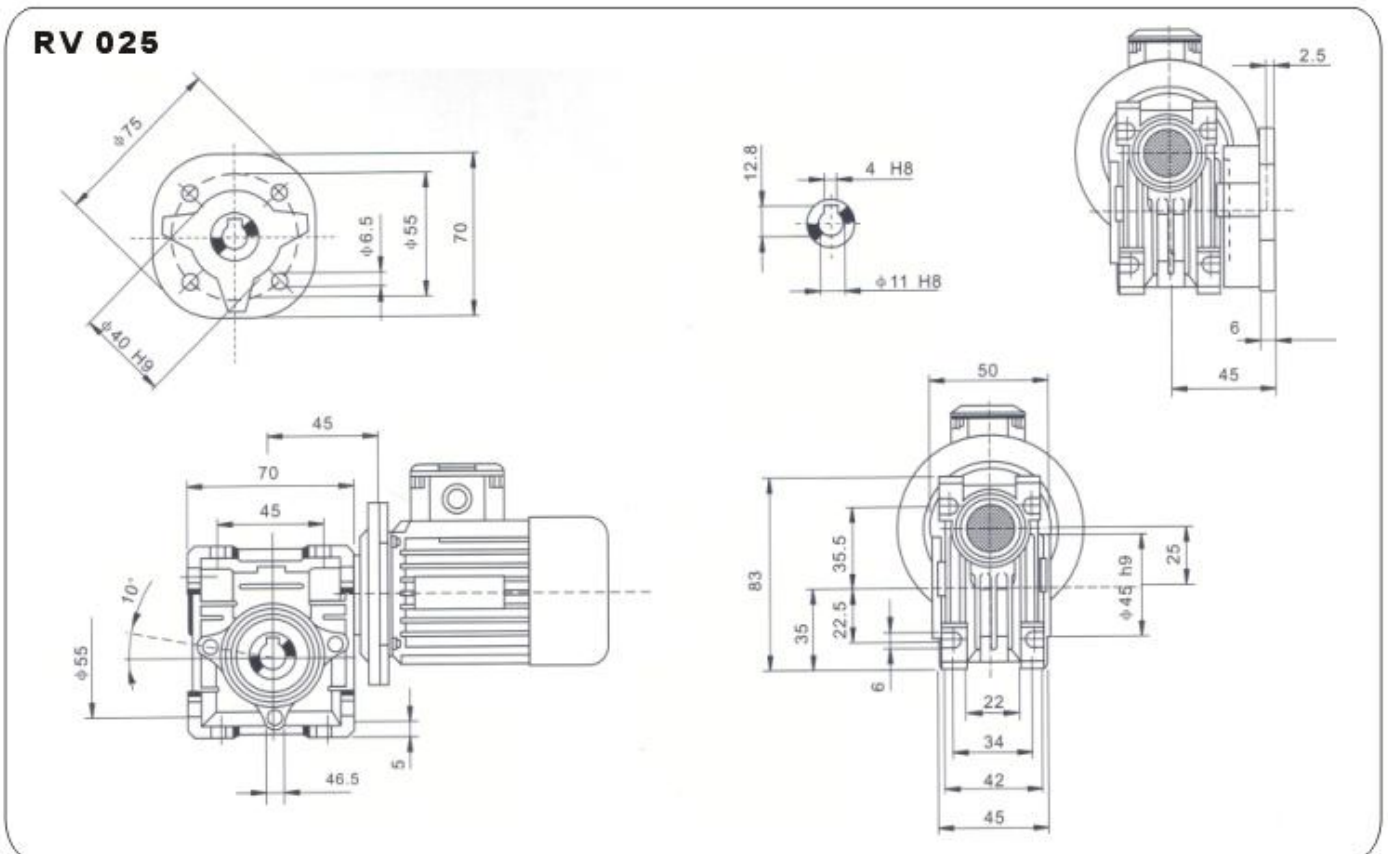
RV	S	T	V	PA	PB	PC	PE	PM	PN(H8)	PO	PP	PQ	b	t	α	α_1	kg
030	21	5.5	27	54.5	6	4	M6x11(n=4)	68	50	6.5(n=4)	80	70	5	16.3	0°	45°	1.2
040	26	6.5	35	67(97.5)	7	4	M6x8(n=4)	75	60	9(n=4)	110	95	6	20.8	45°	45°	2.3
050	30	7	40	90(119.5)	9	5	M8x10(n=4)	85	70	11(n=4)	125	110	8	28.3	45°	45°	3.5
063	36	8	50	82(111)	10	6	M8x14(n=8)	150	115	11(n=4)	180	142	8	28.3	45°	45°	6.2
075	40	10	60	111	13	6	M8x14(n=8)	165	130	14(n=4)	200	170	8	31.3	45°	45°	9
090	45	11	70	111	13	6	M10x18(n=8)	175	152	14(n=4)	210	200	10	38.3	45°	45°	13
110	50	14	85	131	15	6	M10x18(n=8)	230	170	14(n=4)	280	260	12	45.3	45°	45°	35
130	60	15	100	140	15	6	M12x21(n=8)	255	180	16(n=8)	320	290	14	48.8	45°	225°	48

RV性能参数(n1=1400r/min)/RV Performance Parameter(n1=1400r/min)

KW	TYPE	I	N ₂ (r/min)	M ₂ (N.M)
3.0KW	RV110	25	56	435.3
	RV090	30	47	494.1
	RV110			483.3
	RV110	40	35	635.1
	RV130			637.6
	RV110	50	28	785.8
	RV130			775.5
	RV130	60	24	894.0
4.0KW	RV075	7.5	186	186.8
	RV090			185.3
	RV110			185.0
	RV130			187.1
	RV090	10	140	245.1
	RV110			243.1
	RV130			243.1
	RV090	15	94	357.7
	RV110			350.3
	RV130			354.3
	RV090	20	70	463.5
	RV110			462.7
	RV130			469.3
	RV110	25	56	580.4
	RV130			576.4

KW	TYPE	I	N ₂ (r/min)	M ₂ (N.M)
4.0KW	RV110	30	47	644.5
	RV130			652.6
	RV130	40	35	850.1
	RV130	50	28	1034.0
	RV130	60	24	1192.0
5.5KW	RV110	7.5	186	254.4
	RV130			257.2
	RV110	10	140	334.3
	RV130			334.3
	RV110	15	94	481.6
	RV130			487.2
	RV110	20	70	636.2
	RV130			645.2
	RV130	25	56	792.5
	RV130	30	47	897.3
RV130	40	35	1168.9	
7.5KW	RV110	7.5	186	346.9
	RV130			350.8
	RV110	10	140	455.8
	RV130			455.8
	RV130	15	94	664.8
	RV130	20	70	879.9
	RV130	25	56	1080.7

尺寸图 Size chart



RV性能参数(n1=1400r/min)/RV Performance Parameter(n1=1400r/min)

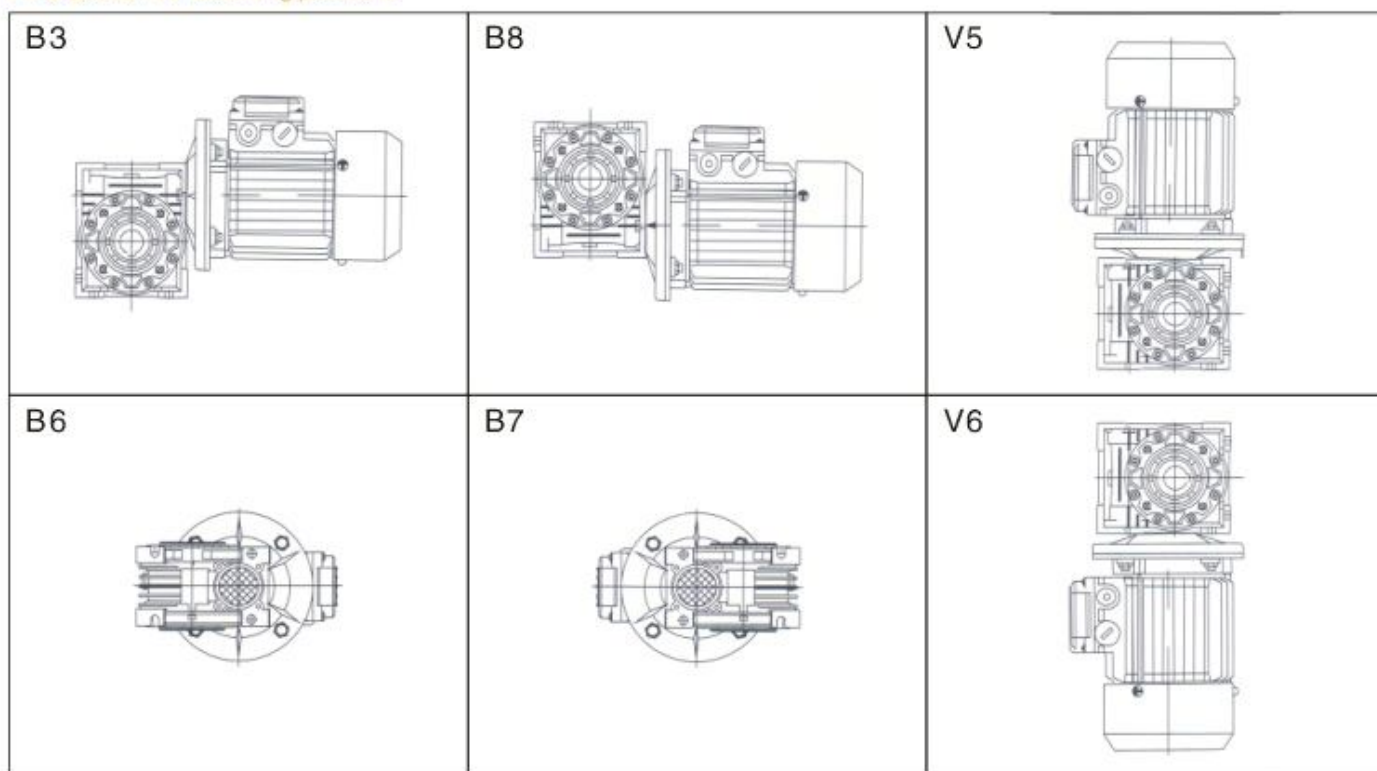
KW	TYPE	I	N ₂ (r/min)	M ₂ (N.M)	KW	TYPE	I	N ₂ (r/min)	M ₂ (N.M)
0.37KW	RV063	60	24	86.5	1.1KW	RV090	40	35	229.7
	RV063	80	18	113.5		RV090	50	28	272.9
	RV063	100	14	122.6		RV090	60	24	310.8
0.55KW	RV040	7.5	186	24.3		RV110	80	18	403.8
	RV050			24.6					
	RV040	10	140	31.5	RV110	100	14	471.2	
	RV050			32.0					
	RV040	15	94	45.3	RV063	7.5	186	67.6	
	RV050			45.5	RV063			10	140
	RV063			46.7	RV075	92.5			
	RV050			20	70	60.5	RV063	15	94
	RV063	61.6	RV075			134.5			
	RV050	25	56	72.3	RV063	20	70	167.9	
	RV063			73.2	RV075			174.1	
	RV050	30	47	80.0	RV075	25	56	217.1	
	RV063			83.3	RV090			211.0	
	RV050	40	35	104.0	RV075	30	47	248.9	
	RV063			107.5	RV090			247.1	
	RV075			115.7	RV090	313.3			
	RV063			50	28	123.9	RV090	40	35
	RV075	144.3	RV110			392.9			
	RV063	60	24	128.6	RV090	60	24	423.8	
	RV075			156.5	RV110			435.1	
RV075	80	18	215.8	RV110	80	18	550.7		
RV075			100	14			235.0	RV130	534.0
0.75KW	RV050	7.5			186	33.6	RV130	100	14
	RV063		33.8	RV075		7.5	186		
	RV050	10	140	43.6	RV090			101.9	
	RV063			44.5	RV110	101.8			
	RV050	15	94	62.0	RV075	10	140	135.7	
	RV063			63.7	RV090			134.8	
	RV050	20	70	82.4	RV110	15	94	133.7	
	RV063			84.0	RV075			197.3	
	RV063	25	56	99.8	RV090	20	70	196.7	
	RV050			113.6	RV110			192.7	
	RV063	30	47	124.4	RV090	25	56	254.9	
	RV075			146.6	RV110			254.5	
	RV063	40	35	157.8	RV090	30	47	309.5	
	RV075			196.8	RV110			319.2	
	RV090	50	28	186.1	RV090	40	35	362.4	
	RV075			213.4	RV110			354.5	
	RV090	60	24	211.9	RV110	50	28	465.8	
	RV090			80	18			261.1	RV130
	RV090	100	14			292.7	RV130	60	24
	RV063			7.5	186	49.6	RV110		
RV075	51.4	RV130	655.6						
RV063	10	140	65.3	RV130	100	14	783.1		
RV075			67.8	RV075			7.5	186	985.9
RV063	15	94	93.5	RV090	10	140			140.1
RV075			98.6	RV110			139.0		
RV063	20	70	123.2	RV075	15	94	138.8		
RV075			127.7	RV090			185.0		
RV063	25	56	146.4	RV110	20	70	183.8		
RV075			159.2	RV090			182.3		
RV063	30	47	166.7	RV075	25	56	269.0		
RV075			182.5	RV090			268.2		
RV075	40	35	231.4	RV110	30	47	262.7		
								RV090	347.7
					RV110	347.0			
					RV090	422.0			

RV性能参数(n1=1400r/min)/RV Performance Parameter(n1=1400r/min)

KW	TYPE	I	N ₂ (r/min)	M ₂ (N.M)
0.06KW	RV030	7.5	186	2.6
	RV030	10	140	3.4
	RV030	15	94	4.8
	RV030	20	70	5.5
	RV030	25	56	7.2
	RV030	30	47	8.2
	RV030	40	35	8.5
	RV030	50	28	11.6
	RV040			12.4
	RV030	60	24	12.8
	RV040			12.6
	RV030	80	18	13.8
	RV040			16.8
	RV040	100	14	19.5
0.09KW	RV030	7.5	186	4.0
	RV030	10	140	5.1
	RV030	15	94	7.2
	RV030	20	70	8.3
	RV030	25	56	10.7
	RV030	30	47	12.3
	RV030	40	35	12.8
	RV030	50	28	17.4
	RV040			18.6
	RV030	60	24	19.2
	RV040			19.0
	RV040	80	18	25.2
	RV040	100	14	29.3
	0.12KW	RV030	7.5	186
RV040		5.3		
RV030		10	140	6.8
RV040				8.9
RV030		15	94	9.6
RV040				9.9
RV030		20	70	11.0
RV040				13.0
RV030		25	56	14.3
RV040				15.1
RV030		30	47	16.4
RV040				16.6
RV030		40	35	17.0
RV040				21.9
RV050				22.7
RV030		50	28	23.2
RV040				24.7
RV050				26.0
RV040	60	24	25.3	
RV050			26.2	
RV040	80	18	33.6	
RV050			34.7	
RV040	100	14	39.0	
RV050			39.6	

KW	TYPE	I	N ₂ (r/min)	M ₂ (N.M)
0.18KW	RV030	7.5	186	7.9
	RV040			7.9
	RV030	10	140	10.2
	RV040			10.3
	RV030	15	94	14.4
	RV040			14.8
	RV030	20	70	16.5
	RV040			19.5
	RV030	25	56	21.5
	RV040			22.7
	RV030	30	47	24.6
	RV040			24.9
	RV040	40	35	32.8
	RV050			34.0
RV040	50	28	37.1	
RV050			39.0	
RV040	60	24	37.9	
RV050			39.2	
RV050	80	18	52.1	
RV050	100	14	59.3	
0.25KW	RV040	7.5	186	11.0
	RV050			11.2
	RV040	10	140	14.3
	RV050			14.5
	RV040	15	94	20.6
	RV050			20.7
	RV040	20	70	27.0
	RV050			27.5
	RV040	25	56	31.5
	RV050			32.8
	RV040	30	47	34.6
	RV050			36.4
	RV040	40	35	45.6
	RV050			47.3
	RV050	50	28	54.1
	RV050	60	24	54.5
	RV050	80	18	72.4
	RV063	100	14	76.7
RV063	100	14	82.8	
RV040	7.5	186	16.3	
RV050			16.6	
RV040	10	140	21.2	
RV050			21.5	
RV040	15	94	30.5	
RV050			30.6	
RV040	20	70	40.0	
RV050			40.7	
RV040	25	56	46.6	
RV050			48.7	
RV040	30	47	51.2	
RV050			53.8	
RV050	40	35	67.0	
RV063			72.3	
RV050	50	28	80.1	
RV063			83.3	
RV050	60	24	80.6	

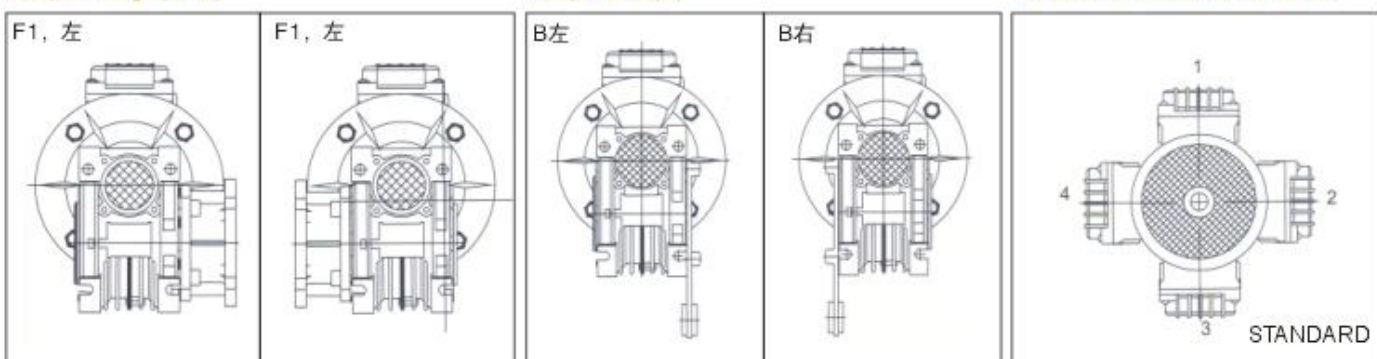
RV安装方式 / RV Mounting positions



输出法兰(F)配置
Output flange (F, FL)

扭力臂(B)配置
Torque arm (B)

电机接线盒方位
Position of motor terminal box



蜗轮输出轴(A1, A2)配置
Output shaft of worm (A1, A2)

蜗杆双输入
Extension input of worm shaft

