

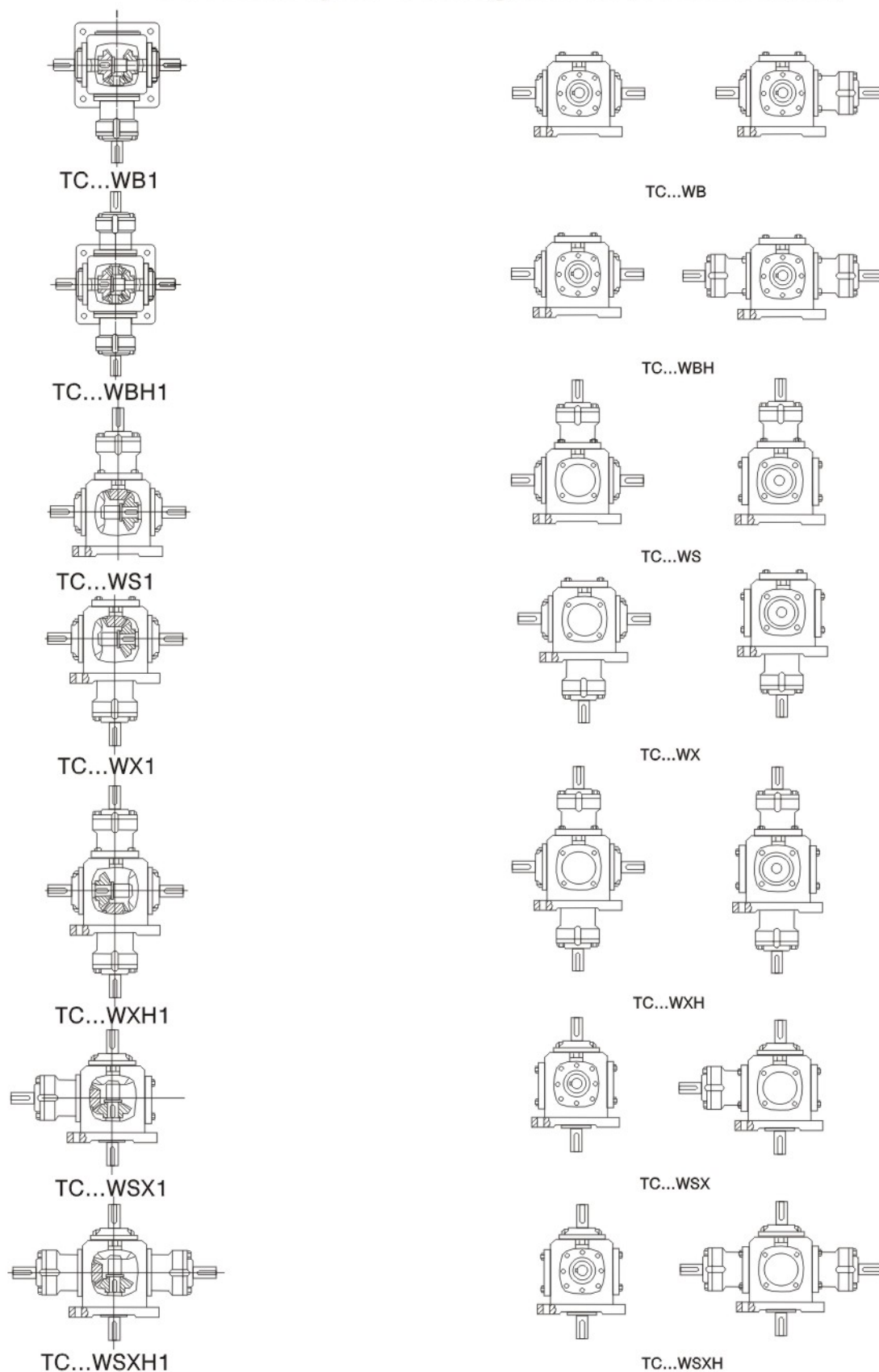


友环传动
YOUHUAN TRANSMISSION

TC系列十字螺旋锥齿轮传动箱
TC series spiral bevel gearbox
(commutator)

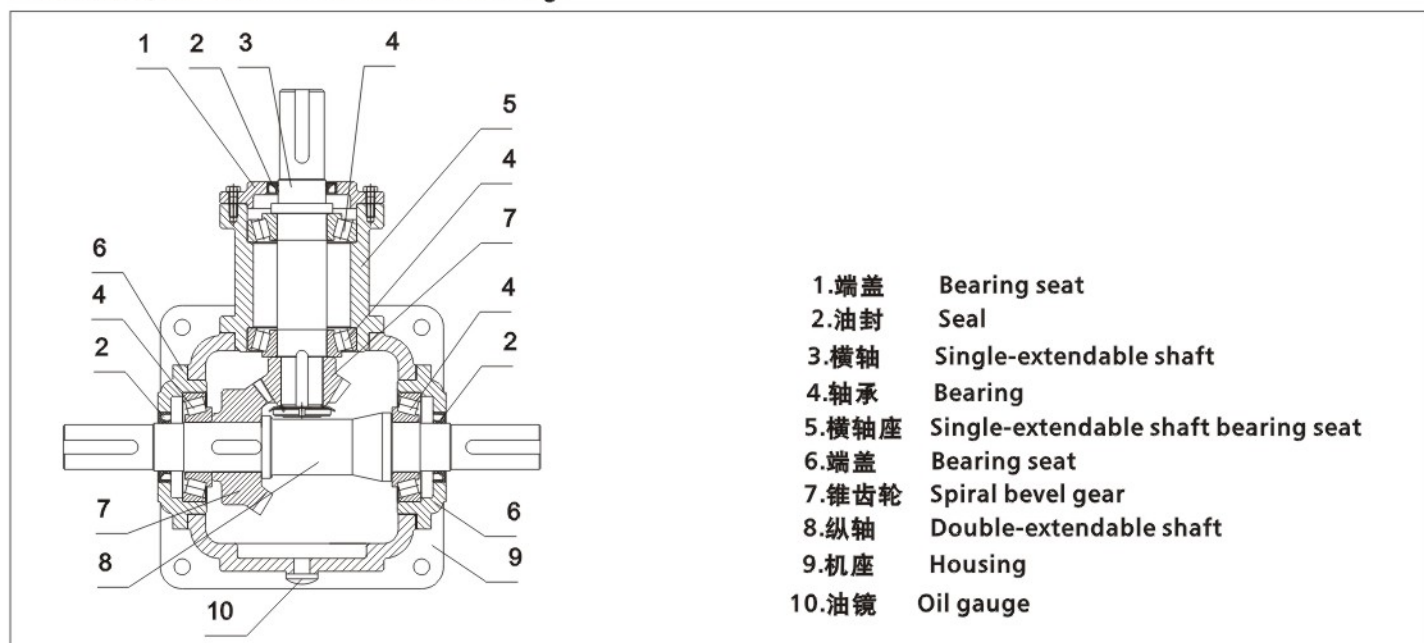


TC系列十字螺旋锥齿轮传动箱 TC series spiral bevel gearbox (commutator)





TC系列结构图:/TC series structure drawing:



TC系列十字螺旋锥齿轮传动箱型号规格及机型表示方法

本系列减速器的型号规格有:TC(2、4、6、7、8、10、12、16、20、25)等10种, 减速比有1:1、1:1.5、1:2、1:2.5、1:3、1:4、1:5等七种速比, 电机功率可配0.18~90kW, 可通过联轴器、链轮、皮带轮、凸轮等联接件与从动机相连,

Type, specification and model notation for TC series cross spiral bevel gear transmission cases...

This series speed reducers have ten kinds of models and specifications including TC(2、4、6、7、8、10、12、16、20、25), speed reducing ratio includes seven kinds, namely 1:1、1:1.5、1:2、1:2.5、1:3、1:4、1:5. Electric motor power can be allocated with 0.18~90kW, and they can be connected to driven machine through shaft coupling, chain wheel, belt pulley, cam etc.

机型表示方法/Model expression:

表示轴配置形式(请参见104页)/Denote shaft configuration mode (Please see page 104.)

WB(1~6) 表示横、纵轴都在水平位置

WB(1~6) denotes lateral, vertical shafts are all at horizontal position.

WBH(1~6) 表示横轴水平双向、纵轴在水平位置

WBH(1~6) denotes lateral shaft horizontal two-direction and vertical shaft is at horizontal position.

WS(1~6) 表示横轴在上、纵轴在水平位置

WS(1~6) denotes lateral shaft at upper position while vertical shaft is at horizontal position.

WX(1~6) 表示横轴在下、纵轴在水平位置

WX(1~6) denotes lateral shaft is at lower position and vertical shaft is at horizontal position.

WXH(1~6) 表示横轴在上下双向、纵轴在水平位置

WXH(1~6) denotes lateral shaft is at upper/lower position and vertical shaft is at horizontal position.

WSX(1~6) 表示横轴水平、纵轴在上下位置

WSX(1~6) denotes lateral shaft is at horizontal position and vertical shaft is at upper/lower position.

WSXH(1~6) 表示横轴水平双向、纵轴在上下位置

WSXH(1~6) denotes lateral shaft is at horizontal two-direction and vertical shaft is at upper/lower position.

表示安装方位(见104页)/Denote installation direction(see page 104)

TC 10—2.5—WSX1—H1

表示传动比/Denote drive ratio

表示机型号/Denote model

表示本系列变速器代号/Denote code of this series speed variators

TC系列重量表和油量表 /TC series weight table and oil capacity table

机型号/Type	TC2	TC4	TC6	TC7	TC8	TC10	TC12	TC16	TC20	TC25
重量kg/Weight kg	2.2	11	20	32	50	80	125	190	300	490
油量L/Oil capacity L	0.3	0.5	0.9	1.2	1.9	3.2	6	8.1	15.3	23.9

注:表中重量为不加油时重量,带输入轴、输入法兰另加10%;带电机根据所配规格另加。

Note: Weight in the table means the weight when oil is not added. When input shaft is furnished, 10% weight should be added; If there is a motor, please add weight according to motor type.



TC系列传动转向示例/TC series drive steering examples

一横轴 / Primary lateral shaft		二横轴 / Secondary lateral shaft	
两轴 / Two-shaft	三轴 / Three-shaft	三轴 / Three-shaft	四轴 / Four-shaft

说明：当输入轴旋转方向改变，输出轴方向相应改变

Explanation: when rotating direction of input shaft changes, output shaft direction will change accordingly.

选定输入轴时应注意转速关系：(1:1传动比时无关系)

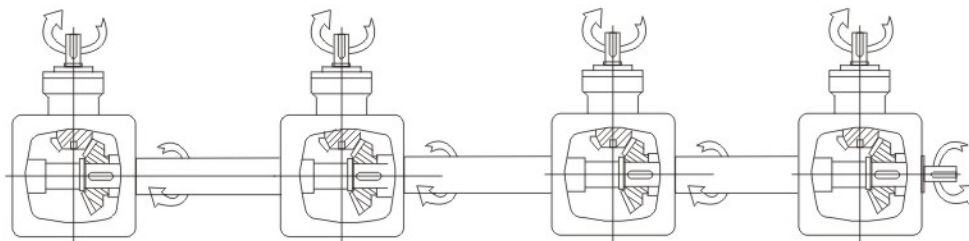
Please pay attention to rotating speed relationship when selecting input shaft (It doesn't matter in case of ratio of 1:1)

列：速比为1:2时 / Example: when speed ratio is 1:2

$n_1 = 100 \text{ rpm}$ 减速 当横轴输入100 rpm 时，纵轴输出50 rpm Reduce speed When lateral shaft input is 100rpm, vertical shaft output is 50rpm. $n_2 = 50 \text{ rpm}$		$n_2 = 100 \text{ rpm}$ 增速 当纵轴输入50 rpm 时，横轴输出100 rpm Increase speed When vertical shaft input is 50rpm, lateral shaft output is 100rpm. $n_1 = 50 \text{ rpm}$	
---	--	---	--

应用实例 / Application examples

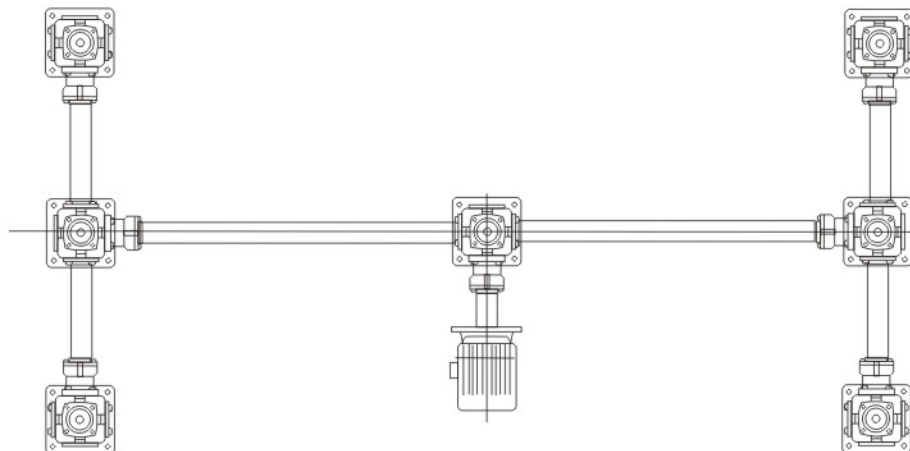
并排传送 / transmission in line



说明：给纵轴连接送力，使横轴同步运转

Explanation: Connect vertical shaft with force to run lateral shaft synchronously

升降装置 / Elevating system

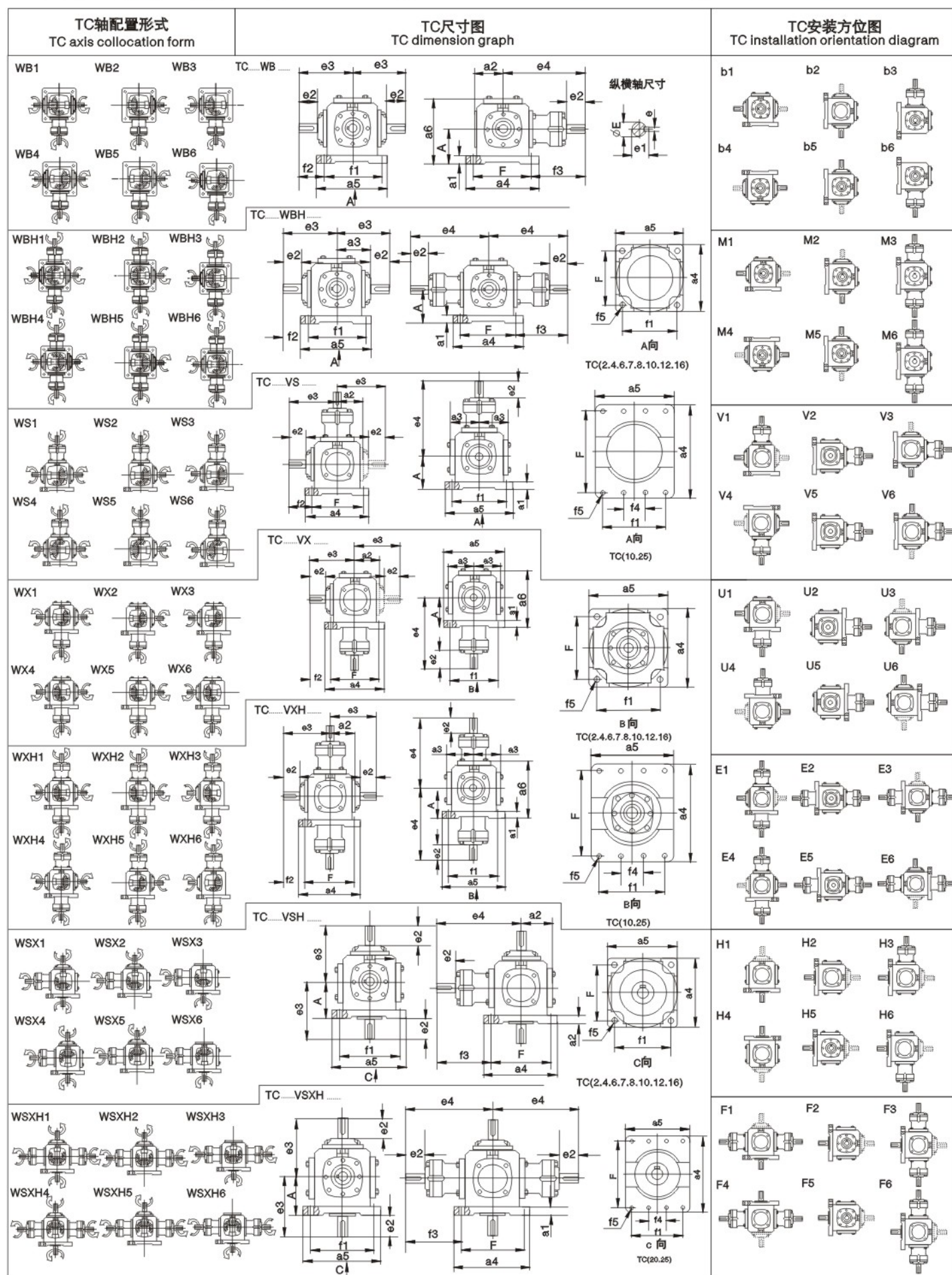


说明：电机给一台传动箱提供动力，传动箱左右输出，通过转向后，使四周传动箱输出轴同时升降。

Description: electric motor offers power to a set of gear box, which outputs from left side and right side to make gear box output shaft move up and down through direction changing.



TC系列外型及安装尺寸图和尺寸表/TC series appearance and installation size diagram and size table:





尺寸部位 Size position	尺寸代号 Size code	机型号 /Type									
		TC2	TC4	TC6	TC7	TC8	TC10	TC12	TC16	TC20	TC25
外型尺寸 Appearance size	A(h13)	52	76	90	100	115	140	175	200	245	290
	a1	10	17	17	20	23	25	32	40	32	35
	a2	45	62	81	92	102	125	155	161	195	266
	a4	100	155	190	210	235	285	340	390	490	580
	a5	100	155	190	210	235	285	340	390	410	480
	A6	104	152	177	199	229.5	273	335	385	460	545
纵轴尺寸 Size of longitudinal Shaft and lateral shaft	φE	15k6	19k6	25k6	32k6	40k6	45k6	50k6	60m6	72m6	85m6
	e	5	6	8	10	12	14	14	18	20	22
	e1	17	21.5	28	35	43	48.5	53.5	64	76.5	90
	e2	33	38	50	62	75	90	100	105	105	135
	e3	90	116	157	175	208	240	275	315	360	430
	e4	124	180	222	265	308	360	415	455	545	660
底脚安装尺寸 Bottom installation size	F	84	125	152	174	195	240	290	330	430	520
	f1	84	125	152	174	195	240	290	330	330	390
	f2	48	53.5	81	88	110.5	120	130	150	195	235
	f3	82	117.5	146	178	210.5	240	270	290	330	400
	f4	/	/	/	/	/	/	/	/	110	130
	f5	4-φ9	4-φ10.5	4-φ14	4-φ14	4-φ14	4-φ16	4-φ21	4-φ25	8-φ21	8-φ24

TC系列输入输出轴径向力/TC series input/output shaft radial force

机型号 /Type	is	参数 代号 Parameter code	输入转速 n1 rpm/Input rotating speed n1 rpm									
			1450	1150	850	600	400	300	200	100	50	10
TC2	1:1	Fr1(N)	260	320	420	520	630	690	780	980	980	980
		Fr2(N)	210	230	270	320	350	390	440	580	580	580
	1:1.5 1:2 1:2.5 1:3											
TC4	1:1	Fr1(N)	830	880	1000	1100	1370	1520	1910	1910	1910	1910
		Fr2(N)	950	1020	1150	1350	1710	1960	1960	1960	1960	1960
	1:1.5 1:2 1:2.5 1:3	Fr1(N)	1070	1070	1070	1070	1070	1070	1070	1070	1070	1070
		Fr2(N)	1960	1960	1960	1960	1960	1960	1960	1960	1960	1960
TC6	1:1	Fr1(N)	1910	2050	2250	2500	3180	3430	3430	3430	3430	3430
		Fr2(N)	2450	2590	2900	3200	3520	3520	3520	3520	3520	3520
	1:1.5 1:2 1:2.5 1:3	Fr1(N)	2540	3030	3430	3430	3430	3430	3430	3430	3430	3430
		Fr2(N)	2840	3080	3300	3520	3520	3520	3520	3520	3520	3520
TC7	1:1	Fr1(N)	2450	2740	2900	3380	4010	4410	5090	5090	5090	5090
		Fr2(N)	3130	3230	3300	3900	4900	5530	6270	6270	6270	6270
	1:1.5 1:2 1:2.5 1:3	Fr1(N)	3430	4060	4700	5090	5090	5090	5090	5090	5090	5090
		Fr2(N)	5390	5970	6000	6100	6270	6270	6270	6270	6270	6270
TC8	1:1	Fr1(N)	3230	3470	3700	4300	4850	5240	7880	8420	8420	8420
		Fr2(N)	3380	3620	3900	4500	5970	6950	8820	8820	8820	8820
	1:1.5 1:2 1:2.5 1:3	Fr1(N)	4360	5090	6000	7700	8420	8420	8420	8420	8420	8420
		Fr2(N)	7980	8820	8820	8820	8820	8820	8820	8820	8820	8820
TC10	1:1	Fr1(N)	4160	4450	4800	5500	6270	6710	8570	9990	9990	9990
		Fr2(N)	4500	4850	5200	5900	7050	7980	9600	11760	11760	11760
	1:1.5 1:2 1:2.5 1:3	Fr1(N)	5190	6170	7440	9550	9990	9990	9990	9990	9990	9990
		Fr2(N)	9210	10480	11760	11760	11760	11760	11760	11760	11760	11760
TC12	1:1	Fr1(N)	5090	5480	5800	6800	7740	8230	9260	11360	11500	11850
		Fr2(N)	5580	6070	6500	7380	8130	9060	10290	12590	13000	14500
	1:1.5 1:2 1:2.5 1:3	Fr1(N)	5970	7250	8860	11400	11850	11850	11850	11850	11850	11850
		Fr2(N)	10480	12150	14500	14500	14500	14500	14500	14500	14500	14500
TC16	1:1	Fr1(N)	10630	11360	12400	14100	15680	17150	19600	22540	22540	22540
		Fr2(N)	10970	11760	12600	14600	16170	17640	19890	22540	22540	22540
	1:1.5 1:2 1:2.5 1:3	Fr1(N)	5970	6410	6900	7840	8820	9600	10820	13320	18000	22540
		Fr2(N)	12150	13080	14110	16100	17930	19600	22140	22540	22540	22540
TC20	1:1	Fr1(N)		15380	16660	18700	21100	23420	25970	28420	28420	28420
		Fr2(N)		15600	17150	19300	21800	24100	26750	32920	33000	33320
	1:1.5 1:2 1:2.5 1:3	Fr1(N)	7690	8770	9500	10780	12000	13130	14790	18220	20000	28420
		Fr2(N)	14600	17930	19450	22000	24590	27340	30280	33320	33320	33320
TC25	1:1	Fr1(N)			24690	28100	31360	34300	38610	39200	39200	39200
		Fr2(N)			25380	29000	32340	35280	39780	49000	49000	49000
	1:1.5 1:2 1:2.5 1:3	Fr1(N)		12980	13470	15700	17540	19150	21650	26650	30000	39200
		Fr2(N)		24640	29300	33300	37140	40470	45760	49000	49000	49000

注 表中is表示减速器精确传动比, Fr1表示减速器输入轴额定径向载荷, Fr2表示减速器输出轴额定径向载荷。
Note is in the table denotes precise drive ratio of speed reducer, Fr1 denotes rated radial load of its input shaft, Fr2 denotes rated radial load of its output shaft.



TC系列传动能力表/TC series drive capacity table

is	参数代号 Parameter code	TC2传动能力选型参数表/TC2 Drive capacity model selection parameter table									
		输入转速 n1 rpm/Input rotating speed n1 rpm									
		1450	1150	850	600	400	300	200	100	50	10
1:1	PN1 (kW)	1.75	1.45	1.15	0.75	0.55	0.4	0.25	0.12	0.06	0.02
	TN2 (N.m)	11	12	13	12	13	12	12	11	11	19
	n2 (rpm)	1450	1150	850	600	400	300	200	100	50	10
1:2	PN1 (kW)	0.95	0.75	0.55	0.35	0.25	0.2	0.15	0.05	0.03	0.01
	TN2 (N.m)	12	12	12	11	12	12	14	9	11	19
	n2 (rpm)	725	575	425	300	200	150	100	50.0	25.0	5.00

is	参数代号 Parameter code	TC4传动能力选型参数表/TC4 Drive capacity model selection parameter table									
		输入转速 n1 rpm/Input rotating speed n1 rpm									
		1450	1150	850	600	400	300	200	100	50	10
1:1	PN1 (kW)	4.95	4.2	3.5	2.5	1.55	1.35	0.85	0.45	0.25	0.05
	TN2 (N.m)	32	34	39	39	36	42	40	42	47	47
	n2 (rpm)	1450	1150	850	600	400	300	200	100	50	10
1:2	PN1 (kW)	3.5	2.5	2	1.35	0.95	0.75	0.5	0.25	0.1	0.03
	TN2 (N.m)	45	41	44	42	44	47	47	47	37	56
	n2 (rpm)	725	575	425	300	200	150	100	50.0	25.0	5.00

is	参数代号 Parameter code	TC6传动能力选型参数表/TC6 Drive capacity model selection parameter table									
		输入转速 n1 rpm/Input rotating speed n1 rpm									
		1450	1150	850	600	400	300	200	100	50	10
1:1	PN1 (kW)	15	12.5	10.5	7.5	4	5	2.5	1.5	0.75	0.15
	TN2 (N.m)	97	102	116	117	117	125	117	140	140	140
	n2 (rpm)	1450	1150	850	600	400	300	200	100	50	10
1:1.5	PN1 (kW)	12	9.95	7.65	5.23	3.65	2.75	1.85	0.95	0.5	0.1
	TN2 (N.m)	116	121	126	122	128	129	130	133	140	140
	n2 (rpm)	967	767	567	400	267	200	133	66.7	33.3	6.67
1:2	PN1 (kW)	7.5	6.35	4.85	3.35	2.35	1.75	1.15	0.65	0.3	0.05
	TN2 (N.m)	97	103	107	105	110	109	108	122	112	94
	n2 (rpm)	725	575	425	300	200	150	100	50	25	5
1:2.5	PN1 (kW)	5.95	4.75	3.65	2.45	1.75	1.3	0.85	0.45	0.2	0.05
	TN2 (N.m)	96	97	100	96	102	101	99	105	94	117
	n2 (rpm)	580	460	340	240	160	120	80	40	20	4
1:3	PN1 (kW)	4.85	3.85	2.95	2	1.4	1.05	0.7	0.35	0.18	0.04
	TN2 (N.m)	94	94	97	94	98	98	98	98	101	112
	n2 (rpm)	483	383	283	200	133	100	66.7	33.3	16.7	3.33
1:4	PN1 (kW)	3.15	2.5	1.95	1.25	0.9	0.65	0.45	0.2	0.1	0.02
	TN2 (N.m)	81	81	86	78	84	81	84	75	75	75
	n2 (rpm)	363	288	213	150	100	75.0	50.0	25.0	12.5	2.50
1:5	PN1 (kW)	1.5	1.3	0.95	0.65	0.45	0.35	0.25	0.12	0.07	0.01
	TN2 (N.m)	48	53	52	51	53	55	58	56	66	47
	n2 (rpm)	290	230	170	120	80.0	60.0	40.0	20.0	10.0	2.00

is	参数代号 Parameter code	TC7传动能力选型参数表/TC7 Drive capacity model selection parameter table									
		输入转速 n1 rpm/Input rotating speed n1 rpm									
		1450	1150	850	600	400	300	200	100	50	10
1:1	PN1 (kW)	22	18.5	15	11.5	8.35	6.35	4.25	2.2	1.15	0.23
	TN2 (N.m)	142	151	165	179	195	198	199	206	215	215
	n2 (rpm)	1450	1150	850	600	400	300	200	100	50	10
1:1.5	PN1 (kW)	15	12	9.5	6.35	4.4	3.35	2.25	1.15	0.55	0.12
	TN2 (N.m)	145	146	157	149	154	157	158	161	154	168
	n2 (rpm)	967	767	567	400	267	200	133	66.7	33.3	6.67
1:2	PN1 (kW)	10.5	8.55	6.55	4.45	3.12	2.35	1.55	0.8	0.41	0.08
	TN2 (N.m)	136	139	144	139	146	147	145	150	153	150
	n2 (rpm)	725	575	425	300	200	150	100	50	25	5
1:2.5	PN1 (kW)	6.95	5.65	4.2	2.9	2.05	1.55	1.05	0.53	0.25	0.05
	TN2 (N.m)	112	115	116	113	120	121	123	124	117	117
	n2 (rpm)	580	460	340	240	160	120	80	40	20	4
1:3	PN1 (kW)	5.42	4.35	3.35	2.25	1.55	1.15	0.8	0.4	0.21	0.04
	TN2 (N.m)	105	106	111	105	109	108	112	112	118	112
	n2 (rpm)	483	383	283	200	133	100	66.7	33.3	16.7	3.33
1:4	PN1 (kW)	3.65	2.5	2.25	1.5	1.05	0.75	0.55	0.25	0.14	0.03
	TN2 (N.m)	94	81	99	94	98	94	103	94	105	112
	n2 (rpm)	363	288	213	150	100	75.0	50.0	25.0	12.5	2.50
1:5	PN1 (kW)	1.75	1.43	1.1	0.75	0.5	0.35	0.25	0.13	0.06	0.01
	TN2 (N.m)	56	58	61	58	58	55	58	61	56	47
	n2 (rpm)	290	230	170	120	80.0	60.0	40.0	20.0	10.0	2.00

注 1、表中is表示减速器精确传动比，PN1表示减速器额定输入功率，TN2表示减速器额定输出扭矩，n2表示减速器输出转速；

2、表中黑色方框内参数功率欠佳，需带辅助冷却装置。

Note 1.is in the table denotes precise drive ratio of speed reducer, PN1 denotes its rated input power, TN2 denotes its rated output torque, n2 denotes its output revolution;

2.Parameter power inside brackets of the table is not good enough, auxiliary cooling device needs to be furnished.



is	参数代号 Parameter code	TC8传动能力选型参数表/TC8 Drive capacity model selection parameter table									
		输入转速 n1 rpm/Input rotating speed n1 rpm									
		1450	1150	850	600	400	300	200	100	50	10
1:1	PN1 (kW)	45.5	37.5	29	19.5	14	10.5	7.2	3.5	1.85	0.39
	TN2 (N.m)	294	305	319	304	328	328	337	328	346	365
	n2 (rpm)	1450	1150	850	600	400	300	200	100	50	10
1:2	PN1 (kW)	19	15.5	11.5	8.1	5.5	4.2	2.9	1.5	0.75	0.16
	TN2 (N.m)	184	189	190	190	193	197	204	211	211	225
	n2 (rpm)	967	767	567	400	267	200	133	66.7	33.3	6.67
1:1.5	PN1 (kW)	14	11	8.5	5.9	4.15	3.15	2.12	1.05	0.55	0.11
	TN2 (N.m)	181	179	187	184	194	197	198	197	206	206
	n2 (rpm)	725	575	425	300	200	150	100	50	25	5
1:2.5	PN1 (kW)	11.5	9	7	4.75	3.35	2.5	1.7	0.85	0.4	0.09
	TN2 (N.m)	186	183	193	185	196	195	199	199	187	211
	n2 (rpm)	580	460	340	240	160	120	80	40	20	4
1:3	PN1 (kW)	8	6.55	5	3.45	2.35	1.8	1.22	0.62	0.35	0.05
	TN2 (N.m)	155	160	165	161	165	168	171	174	197	140
	n2 (rpm)	483	383	283	200	133	100	66.7	33.3	16.7	3.33
1:4	PN1 (kW)	4.5	3.85	2.95	2	1.5	1.05	0.7	0.35	0.15	0.04
	TN2 (N.m)	116	125	130	125	140	131	131	131	112	150
	n2 (rpm)	363	288	213	150	100	75.0	50.0	25.0	12.5	2.50
1:5	PN1 (kW)	2.15	1.5	1.3	0.85	0.62	0.45	0.32	0.15	0.08	0.02
	TN2 (N.m)	69	61	72	66	73	70	75	70	75	94
	n2 (rpm)	290	230	170	120	80.0	60.0	40.0	20.0	10.0	2.00

is	参数代号 Parameter code	TC10传动能力选型参数表/TC10 Drive capacity model selection parameter table									
		输入转速 n1 rpm/Input rotating speed n1 rpm									
		1450	1150	850	600	400	300	200	100	50	10
1:1	PN1 (kW)	65	55.5	44.5	30.5	21.5	16.2	11	5.5	2.85	0.6
	TN2 (N.m)	420	452	490	476	503	505	515	515	533	562
	n2 (rpm)	1450	1150	850	600	400	300	200	100	50	10
1:2	PN1 (kW)	38.5	31.2	24	16.5	11.5	8.75	5.95	3.04	1.52	0.32
	TN2 (N.m)	373	381	396	386	404	409	418	427	427	449
	n2 (rpm)	967	767	567	400	267	200	133	66.7	33.3	6.67
1:1.5	PN1 (kW)	23.5	19	14.5	10	7	5.3	3.61	1.85	0.92	0.19
	TN2 (N.m)	303	309	319	312	328	331	338	346	344	356
	n2 (rpm)	725	575	425	300	200	150	100	50	25	5
1:2.5	PN1 (kW)	18	14.5	11	7.65	5.35	4.05	2.75	1.4	0.75	0.15
	TN2 (N.m)	290	295	303	298	313	316	322	328	351	351
	n2 (rpm)	580	460	340	240	160	120	80	40	20	4
1:3	PN1 (kW)	14	11.5	8.65	5.9	4	3	2	1.05	0.55	0.1
	TN2 (N.m)	271	281	286	276	281	281	281	295	309	281
	n2 (rpm)	483	383	283	200	133	100	66.7	33.3	16.7	3.33
1:4	PN1 (kW)	9.35	7.5	5.75	3.9	2.75	2.05	1.4	0.7	0.35	0.07
	TN2 (N.m)	241	244	253	243	257	256	262	262	262	262
	n2 (rpm)	363	288	213	150	100	75.0	50.0	25.0	12.5	2.50
1:5	PN1 (kW)	4.2	3.35	2.5	1.75	1.2	0.9	0.5	0.3	0.15	0.03
	TN2 (N.m)	136	136	138	136	140	140	117	140	140	140
	n2 (rpm)	290	230	170	120	80.0	60.0	40.0	20.0	10.0	2.00

is	参数代号 Parameter code	TC12传动能力选型参数表/TC12 Drive capacity model selection parameter table									
		输入转速 n1 rpm/Input rotating speed n1 rpm									
		1450	1150	850	600	400	300	200	100	50	10
1:1	PN1 (kW)	95	80	67.5	49.5	35	26.5	18	9.35	4.65	0.98
	TN2 (N.m)	613	651	743	772	819	827	842	875	870	917
	n2 (rpm)	1450	1150	850	600	400	300	200	100	50	10
1:2	PN1 (kW)	58	49	40.5	29	20	15.5	10.5	5.35	2.65	0.55
	TN2 (N.m)	562	598	669	679	702	725	737	751	744	772
	n2 (rpm)	967	767	567	400	267	200	133	66.7	33.3	6.67
1:1.5	PN1 (kW)	40	31.5	24	16	11.5	8.5	5.85	3	1.5	0.31
	TN2 (N.m)	516	513	529	499	538	530	548	562	562	580
	n2 (rpm)	725	575	425	300	200	150	100	50	25	5
1:2.5	PN1 (kW)	31	25	19.5	13	9.32	7.05	4.8	2.4	1.25	0.25
	TN2 (N.m)	500	509	537	507	545	550	562	562	585	585
	n2 (rpm)	580	460	340	240	160	120	80	40	20	4
1:3	PN1 (kW)	23.5	19	14.5	9.9	6.95	5.3	3.55	1.8	0.95	0.19
	TN2 (N.m)	455	464	479	463	488	496	498	505	533	533
	n2 (rpm)	483	383	283	200	133	100	66.7	33.3	16.7	3.33
1:4	PN1 (kW)	16.5	13.5	10.5	7.05	4.95	3.75	2.5	1.3	0.65	0.12
	TN2 (N.m)	426	439	462	440	463	468	468	487	487	449
	n2 (rpm)	363	288	213	150	100	75.0	50.0	25.0	12.5	2.50
1:5	PN1 (kW)	9.2	7.4	5.65	3.85	2.7	2.05	1.35	0.7	0.35	0.07
	TN2 (N.m)	297	301	311	300	316	320	316	328	328	328
	n2 (rpm)	290	230	170	120	80.0	60.0	40.0	20.0	10.0	2.00

注 1、表中is表示减速机精确传动比，PN1表示减速机额定输入功率，TN2表示减速机额定输出扭矩，n2表示减速机输出转速；

2、表中黑色方框内参数功率欠佳，需带辅助冷却装置。

Note 1.is in the table denotes precise drive ratio of speed reducer, PN1 denotes its rated input power, TN2 denotes its rated output torque, n2 denotes its output revolution;

2.Parameter power inside brackets of the table is not good enough, auxiliary cooling device needs to be furnished.



is	参数代号 Parameter code	TC16传动能力选型参数表/TC16 Drive capacity model selection parameter table									
		输入转速 n1 rpm/Input rotating speed n1 rpm									
		1450	1150	850	600	400	300	200	100	50	10
1:1	PN1 (kW)	162	139	114	85	65	54	39	20	10.15	2.15
	TN2 (N.m)	1046	1131	1255	1326	1521	1685	1825	1872	1900	2012
	n2 (rpm)	1450	1150	850	600	400	300	200	100	50	10
1:2	PN1 (kW)	73.5	59.5	45	31	22	16.5	11.5	5.85	2.92	0.6
	TN2 (N.m)	949	968	991	967	1029	1029	1076	1095	1093	1123
	n2 (rpm)	725	575	425	300	200	150	100	50	25	5
1:3	PN1 (kW)	48	39	30	20.5	14.5	10.5	7.35	3.85	1.9	0.4
	TN2 (N.m)	929	952	991	959	1018	983	1032	1081	1067	1123
	n2 (rpm)	483	383	283	200	133	100	66.7	33.3	16.7	3.33
1:4	PN1 (kW)	34	27.5	21.5	14.5	10	7.5	5.2	2.5	1.35	0.3
	TN2 (N.m)	878	895	947	905	936	936	973	936	1011	1123
	n2 (rpm)	363	288	213	150	100	75.0	50.0	25.0	12.5	2.50
1:5	PN1 (kW)	26	21	16.5	11	7.85	5.95	4	2.05	1.05	0.22
	TN2 (N.m)	839	855	908	858	918	928	936	959	983	1029
	n2 (rpm)	290	230	170	120	80.0	60.0	40.0	20.0	10.0	2.00

is	参数代号 Parameter code	TC20传动能力选型参数表/TC20 Drive capacity model selection parameter table									
		输入转速 n1 rpm/Input rotating speed n1 rpm									
		1450	1150	850	600	400	300	200	100	50	10
1:1	PN1 (kW)		234	193	145	110	90.5	69	35	17.5	3.53
	TN2 (N.m)		1904	2125	2262	2574	2823	3229	3276	3276	3304
	n2 (rpm)		1150	850	600	400	300	200	100	50	10
1:2	PN1 (kW)	125	102	79	54	38	29	19.5	10	5.5	1.05
	TN2 (N.m)	1614	1660	1740	1685	1778	1809	1825	1872	2059	1965
	n2 (rpm)	725	575	425	300	200	150	100	50	25	5
1:3	PN1 (kW)	82	66.5	51.5	35.2	24.5	19	13	6.5	3.3	0.7
	TN2 (N.m)	1588	1624	1701	1647	1720	1778	1825	1825	1853	1965
	n2 (rpm)	483	383	283	200	133	100	66.7	33.3	16.7	3.33
1:4	PN1 (kW)	58.5	47.5	36.5	25	17.5	13.5	9.15	4.7	2.35	0.5
	TN2 (N.m)	1510	1546	1608	1560	1638	1685	1713	1759	1759	1872
	n2 (rpm)	363	288	213	150	100	75.0	50.0	25.0	12.5	2.50
1:5	PN1 (kW)	45	36.2	28	19	13.5	10	7	3.5	1.8	0.35
	TN2 (N.m)	1452	1473	1541	1482	1579	1560	1638	1638	1685	1638
	n2 (rpm)	290	230	170	120	80.0	60.0	40.0	20.0	10.0	2.00

is	参数代号 Parameter code	TC25传动能力选型参数表/TC25 Drive capacity model selection parameter table									
		输入转速 n1 rpm/Input rotating speed n1 rpm									
		1450	1150	850	600	400	300	200	100	50	10
1:1	PN1 (kW)			335	250	195	159	119	60	32	6
	TN2 (N.m)			3689	3900	4563	4960	5569	5615	5990	5615
	n2 (rpm)			850	600	400	300	200	100	50	10
1:2	PN1 (kW)		195	155	105	75.2	57.5	39.2	20	11	2.11
	TN2 (N.m)		3174	3413	3276	3519	3588	3669	3744	4118	3949
	n2 (rpm)		575	425	300	200	150	100	50	25	5
1:3	PN1 (kW)	158	130	100	70	49	37.5	25.5	13	6.5	1.4
	TN2 (N.m)	3059	3174	3303	3276	3439	3510	3580	3650	3650	3931
	n2 (rpm)	483	383	283	200	133	100	66.7	33.3	16.7	3.33
1:4	PN1 (kW)	112	92.5	72	49.5	35	26.5	18	9.35	4.65	0.95
	TN2 (N.m)	2892	3011	3171	3088	3276	3307	3369	3500	3482	3556
	n2 (rpm)	363	288	213	150	100	75.0	50.0	25.0	12.5	2.50
1:5	PN1 (kW)	85	71	55	38	27	20	14	7.15	3.55	0.75
	TN2 (N.m)	2743	2889	3028	2964	3159	3120	3276	3346	3322	3510
	n2 (rpm)	290	230	170	120	80.0	60.0	40.0	20.0	10.0	2.00

注 1、表中is表示减速器精确传动比，PN1表示减速器额定输入功率，TN2表示减速器额定输出扭矩，n2表示减速器输出转速；
2、表中黑色方框内参数功率欠佳，需带辅助冷却装置。

Note 1.is in the table denotes precise drive ratio of speed reducer, PN1 denotes its rated input power, TN2 denotes its rated output torque, n2 denotes its output revolution;
2.Parameter power inside brackets of the table is not good enough, auxiliary cooling device needs to be furnished.