

*Q SERIES

Q SERIES PLANETARY GEAR REDUCTOR Q系列行星齿轮减速机

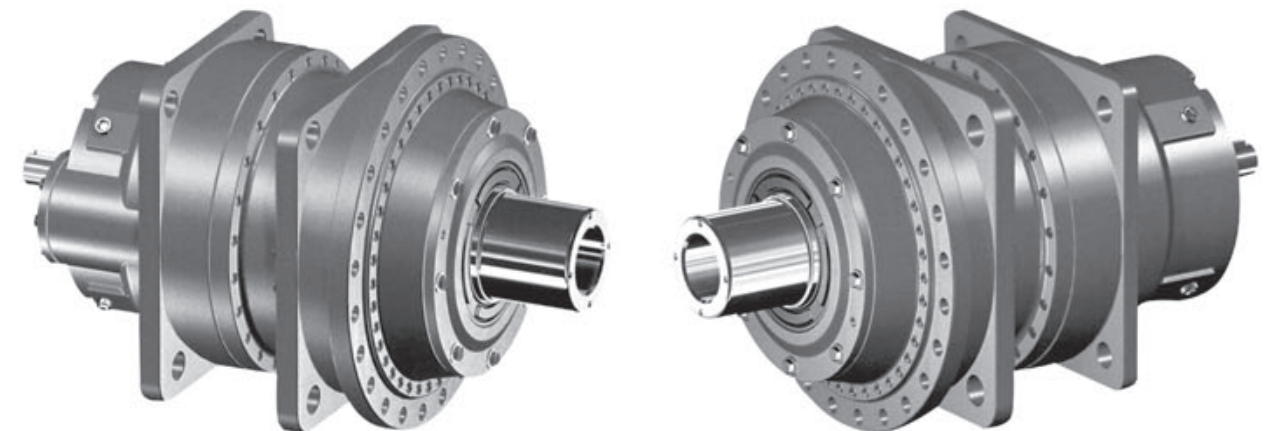
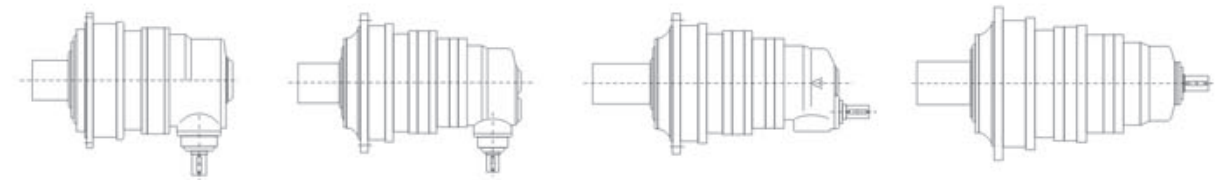


表1

输入原动机系数表(f _i)			
输入方式	电机、液压马达、汽轮机	4-6缸活塞发动机	1-3缸活塞发动机
输入系数f _i	1.0	1.25	1.5

表2

输出被驱动设备系数 (f ₂)												
工作机		日工作小时数			工作机		日工作小时数					
		≤0.5h	0.5-10h	>10h			≤0.5h	0.5-10h	>10h			
污水处理	浓缩器(中心传动)	-	-	1.2	金属加工设备	可逆式板坯轧机	-	2.5	2.5			
	压滤器	1.0	1.3	1.5		可逆式线材轧机	-	1.8	1.8			
	絮凝器	0.8	1.0	1.3		呆逆式薄板轧机	-	2.0	2.0			
	曝气机	-	1.8	2.0		可逆式中厚板轧机	-	1.8	1.8			
	接集设备	1.0	1.2	1.3		辊缝调节驱动装置	0.9	1.0	-			
	纵向、回转组合接集装置	1.0	1.3	1.5	输送机械	斗式输送机	-	1.2	1.5			
	预浓缩器	-	1.1	1.3		绞车	1.4	1.6	1.6			
	螺杆泵	-	1.3	1.5		卷扬机		1.5	1.8			
	水轮机	-	-	2.0		皮带输送机<150kw	1.0	1.2	1.3			
	离心泵	1.0	1.2	1.3		皮带输送机≥150kw	1.1	1.3	1.5			
	1个活塞容积式泵	1.3	1.4	1.8		货用电梯*	-	1.2	1.5			
	>1个活塞容积式泵	1.2	1.4	1.5		客用电梯*		1.5	1.8			
	挖泥机	斗式运输机	-	1.6		1.6		刮板式输送机	-	1.2	1.5	
		倾卸装置	-	1.3		1.5			自动扶梯		1.2	1.4
		Carteypillar 行走机构	1.2	1.6		1.8			轨道行走机构	-	1.5	-
斗轮式挖掘机(用于捡拾)		-	1.7	1.7	变频装置	-			1.8	2.0		
斗轮式挖掘机(用于粗料)		-	2.2	2.2	往复式压缝机	-	1.8	1.9				
切碎机		-	2.2	2.2	起重机械	回转机构*	1	1.4	1.8			
行走机构*			1.4	1.8		俯仰机构	1	1.25	1.5			
	弯板机	-	1.0	1.0		行走机构	1.5	1.75	2			
	化学工业	挤压机	-	-		1.6		提升机构*	1	1.25	1.5	
调浆机		-	1.8	1.8	转臂式起重机*	1		1.25	1.6			
橡胶研光机		-	1.5	1.5	冷却塔	冷却塔风扇	-	-	2.0			
冷却圆筒		-	1.3	1.4		风机(轴流和离心式)	-	1.4	1.5			
混料机，用于均匀介质		1.0	1.3	1.4	蔗糖生产	甘蔗切碎机*	-	-	1.7			
混料机，用于非均匀介质		1.4	1.6	1.7		甘蔗碾磨机	-	-	1.7			
搅拌机，用于密度均匀介质		1.0	1.3	1.5	甜菜糖生产	甜菜绞碎机	-	-	1.2			
搅拌机，用于密度均匀介质		1.2	1.4	1.6		榨取机、机械致冷机、蒸煮机	-	-	1.4			
搅拌机，用于不均匀气体吸收		1.4	1.6	1.8		甜菜清洗机	-	-	1.5			
烘炉		1.0	1.3	1.5		甜菜切碎机	-	-	1.5			
离心机		1.0	1.2	1.3	造纸机械	各种类型**	-	1.8	2.0			
金属加工设备		翻板机	1.0	1.0		1.2	碎浆机驱动装置	2.0	2.0	2.0		
	推钢机	1.0	1.2	1.2	离心式压缩机	-	1.4	1.5				
	绕线机	-	1.6	1.6	索道缆车	运货索道	-	1.3	1.4			
	冷床横移架	-	1.5	1.5		往返系统空中索道	-	1.6	1.8			
	辊式矫直机	-	1.6	1.6		T型杆长升降机	-	1.3	1.4			
	辊道(连续式)	-	1.5	1.5		连续索道	-	1.4	1.6			
	辊道(间歇式)	-	2.0	2.0	水泥工业	混凝土搅拌器	-	1.5	1.5			
	可逆式轧管机	-	1.8	1.8		破碎机*	-	1.2	1.4			
	剪切机(连续式)*	-	1.5	1.5		回转窑	-	-	2.0			
	剪切机(曲柄式)*	1.0	1.0	1.0		管式磨机	-	-	2.0			
	连铸机驱动装置	-	1.4	1.4		选粉机	-	1.6	1.6			
	可逆式开坯机	-	2.5	2.5		辊压机	-	-	2.0			

工作机额定功率P₂的确定 *)按最大扭矩确定额定功率。 **)检验热功率是绝对必要的。

Table 1

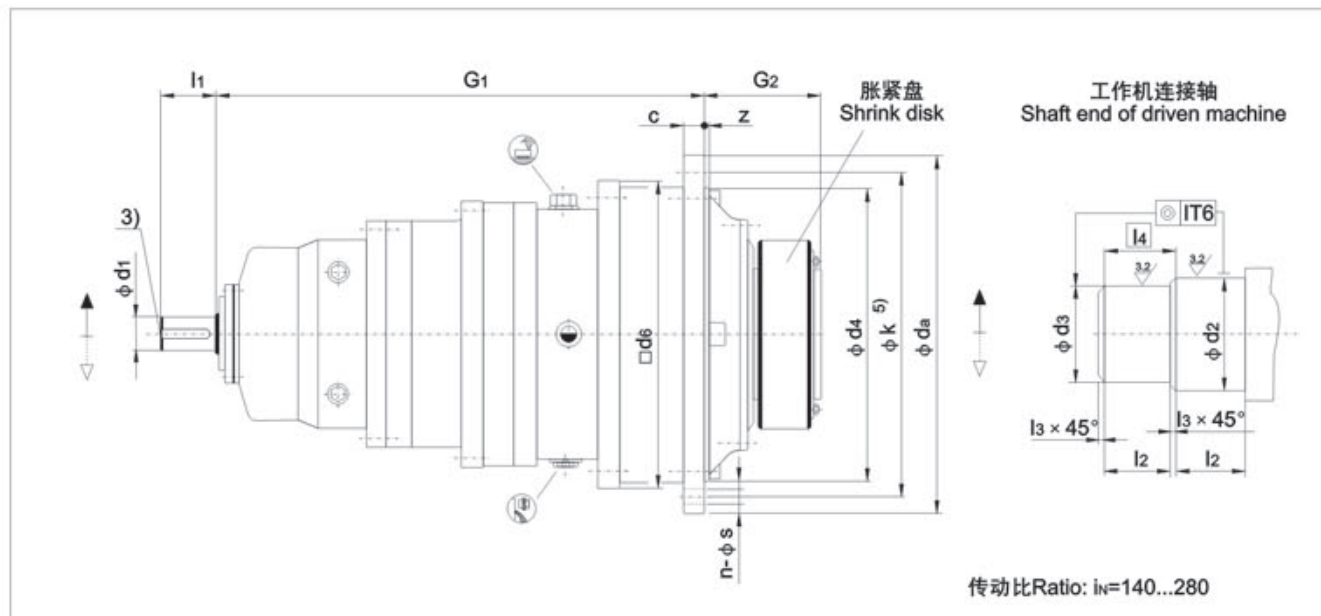
Coefficient table of input prime mover (f _i)			
Input mode	Electric motors,hydraulic motors,turbines	Piston engines 4-6 cylinders	Piston engines 1-3 cylinders
Input coefficient f _i	1.0	1.25	1.5

Table 2

Coefficient of output driven device (f ₂)									
Driven machines		Effective daily operating period under load in hours			Driven machines		Effective daily operating period under load in hours		
		≤0.5h	0.5-10h	>10h			≤0.5h	0.5-10h	>10h
Waste water treatment	Thickeners(central drive)	-	-	1.2	Metal working mills	Reversing slabbing mills	-	2.5	2.5
	Filter presses	1.0	1.3	1.5		Reversing wire mills	-	1.8	1.8
	Flocculation apparata	0.8	1.0	1.3		Reversing sheet mills	-	2.0	2.0
	Aerators	-	1.8	2.0		Reversing plate mills	-	1.8	1.8
	Raking equipment	1.0	1.2	1.3		Roll adjustment drives	0.9	1.0	-
	Combined longitudinal and rotary rakes	1.0	1.3	1.5	Conveyors	Buckey conveyors	-	1.2	1.5
	Pre-thickeners	-	1.1	1.3		Hauling winches	1.4	1.6	1.6
	Screw pumps	-	1.3	1.5		Hoists		1.5	1.8
	Water turbines	-	-	2.0		Belt conveyors<150kw	1.0	1.2	1.3
	Centrifugal pumps	1.0	1.2	1.3		Belt conveyors≥151kw	1.1	1.3	1.5
	1 piston positive-displacement pumps	1.3	1.4	1.8		Goods lifts*	-	1.2	1.5
	>1 piston positive-displacement pumps	1.2	1.4	1.5		Passenger lifts*		1.5	1.8
Dredgers	Bucket conveyors	-	1.6	1.6		Apron conveyors	-	1.2	1.5
	Dumping devices	-	1.3	1.5		Escalators		1.2	1.4
	Carterpillar travelling gears	1.2	1.6	1.8		Rail travelling gears	-	1.5	-
	Bucket wheel excavators as pick-up	-	1.7	1.7		Frequency converters	-	1.8	2.0
	Bucket wheel excavators for primitive material	-	2.2	2.2		Reciprocating compressors	-	1.8	1.9
	Cutter heads	-	2.2	2.2	Cranes	Slewing gears	1	1.4	1.8
	Traversing gears*		1.4	1.8		Luffing gears	1	1.25	1.5
	Plate bending machin*es	-	1.0	1.0		Travelling gears	1.5	1.75	2
Chemical industry	Extruders	-	-	1.6		Hoisting gears	1	1.25	1.5
	Dough mills	-	1.8	1.8	Cooling towers	Derricking jib cranes	1	1.25	1.6
	Rubber calenders	-	1.5	1.5		Cooling tower fans	-	-	2.0
	Cooling drums	-	1.3	1.4		Blowers(axial and radial)	-	1.4	1.5
	Mixers for uniform media	1.0	1.3	1.4	Cane sugar production	Cane knives *	-	-	1.7
	Mixers for non-uniform media	1.4	1.6	1.7		Cane mills	-	-	1.7
	Agitators for media with uniform density	1.0	1.3	1.5	Beet sugar production	Beet cossettes macerators	-	-	1.2
	Agitators for media with non-uniform density	1.2	1.4	1.6		Extraction plants,Mechanical refrigerators,Juice boilers	-	-	1.4
	Agitators for media with non-uniform gas absorption	1.4	1.6	1.8		Sugar beet washing machines	-	-	1.5
	Toasters	1.0	1.3	1.5		Sugar beet cutters	-	-	1.5
	Centrifuges	1.0	1.2	1.3	Paper machines	Of all-kind **	-	1.8	2.0
	Plate tilters	1.0	1.0	1.2		Pulper drives	2.0	2.0	2.0
Metal working mills	Ingot pushers	1.0	1.2	1.2	Cableways	Centrifugal compressors	-	1.4	1.5
	Winding machines	-	1.6	1.6		Material ropeways	-	1.3	1.4
	Cooling bed transfer frames	-	1.5	1.5		To-and fro system aerial ropeways	-	1.6	1.8
	Roller straighteners	-	1.6	1.6		T-bar lifts	-	1.3	1.4
	Roller tables continuous	-	1.5	1.5		Continuous ropeways	-	1.4	1.6
	Roller tables intermittent	-	2.0	2.0	Cement industry	Concrete micers	-	1.5	1.5
	Roller tables Reversing tube mills	-	1.8	1.8		Breakers*	-	1.2	1.4
	Shears continuous*	-	1.5	1.5		Rotary kilns	-	-	2.0
	Shears crank type*	1.0	1.0	1.0		Tube mills	-	-	2.0
	Continuous casting drivers	-	1.4	1.4		Separators	-	1.6	1.6
	Reversing blooming mills	-	2.5	2.5		Roll crushers	-	-	2.0

Design for power rating of driven machine P₂ *)Designed power corresponding to max.torque **)A check for thermal capacity is absolutely essential

型号Q3N. 规格9...36 Type Q3N. Sizes 9...36



Q3ND 机座号 Size	额定输出 扭矩 T _{2N} (N · m)	输入轴尺寸 Input shaft dimension		工作机连接轴 Shaft end of driven machine					c	d _a	d ₄ h7	d ₆	G ₁	G ₂	k	Z	法兰孔 Flange bolts		重量 Weight (kg)	2) 油量 Oil quan- tity (l)
		d ₁ ¹⁾	l ₁	d ₂ ⁴⁾ g6	d ₃ ⁴⁾ g6	l ₂	l ₃	l ₄									孔径 Dia-meter S	数量 Qty · n		
9	22000	55	90	120	115	65	2.5	67.5	24	428	350	356	565	165	388	6±1.5	18	24	250	7
10	31000	55	90	130	125	70	2.5	72.5	28	472	394	400	585	174	436	8±1.5	18	28	300	9
11	42000	55	90	140	135	82.5	2.5	85.0	32	525	425	436	616	204	485	8±1.5	22	20	370	13
12	60000	55	90	160	155	90	2.5	92.5	34	605	495	510	630	224	555	9±1.5	26	20	500	17
13	83000	55	90	180	175	95	2.5	97.5	39	645	535	554	688	241	595	11±1.5	26	24	620	21
14	117000	55	90	210	205	105	2.5	107.5	42	720	610	629	711	278	665	9	26	32	880	33
16	160000	70	120	230	225	110	2.5	112.5	44	770	660	680	853	285	715	10	26	36	1085	42
17	202000	70	120	250	245	120	2.5	122.5	50	895	750	775	879	294	830	10	33	24	1580	60
18	244000	80	140	260	255	120	2.5	122.5	50	930	785	815	1013	303	865	10	33	32	2000	70
19	295000	80	140	280	275	135	2.5	137.5	56	980	840	870	1036.5	327.5	915	12	33	36	2100	85
20	354000	80	140	300	295	135	2.5	137.5	56	980	840	870	1036.5	327.5	915	12	33	36	2200	75
21	392000	80	140	310	305	152	2.5	154.5	62	1115	935	960	1093	354	1025	24	39	32	2785	115
22	450000	80	140	330	325	152	2.5	154.5	62	1115	935	960	1093	354	1025	24	39	32	2950	105
23	513000	95	160	350	345	164	2.5	166.5	68	1210	1025	1056	1222	380	1120	28	39	36	3625	155
24	592000	95	160	360	355	164	2.5	166.5	68	1210	1025	1056	1222	380	1120	28	39	36	4100	135
25	684000	95	160	380	375	180	2.5	182.5	74	1320	1115	1150	1284.5	407	1220	29	45	36	5000	195
26	763000	95	160	400	395	180	2.5	182.5	74	1320	1115	1150	1284.5	407	1220	29	45	36	5400	170
27	852000	110	180	430	425	191	2.5	193.5	81	1460	1215	1248	1470	453	1345	31	52	32	6400	250
28	950000	110	180	450	445	191	2.5	193.5	81	1460	1215	1248	1470	453	1345	31	52	32	6875	220
29	1060000	110	180	460	450	197.5	5	202.5	87	1565	1320	1355	1517	483	1450	34	52	36	8190	310
30	1200000	110	180	480	470	197.5	5	202.5	87	1565	1320	1355	1517	483	1450	34	52	36	8715	280
31	1330000	120	210	480	470	232	5	237.0	94	1665	1400	1443	1585	540	1545	36	62	32	10700	390
32	1500000	120	210	510	500	232	5	237.0	94	1665	1400	1443	1585	540	1545	36	62	32	11200	360
33	1680000	130	210	530	520	242	5	247.0	100	1755	1495	1536	1710	573	1635	36	62	36	12950	470
34	1920000	130	210	570	560	242	5	247.0	100	1755	1495	1536	1710	573	1635	36	62	36	13800	430
35+36	根据用户要求供货 On request																			

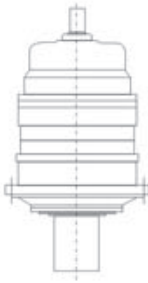
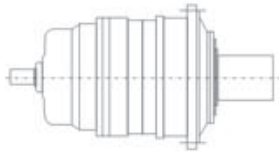
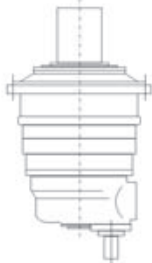
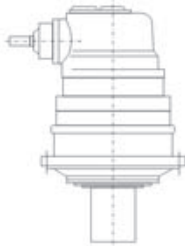
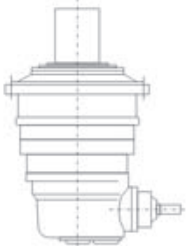
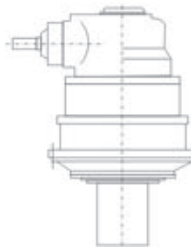
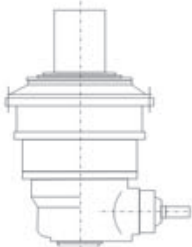
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|---|---|
| 1) 当 $d_1 \leq 100$ 时公差为 $m6$, 当 $d_1 > 100$ 时公差为 $n6$ | 1) Shaft diameter $d_1 \leq 100$, tolerance $m6$, shaft diameter $d_1 > 100$, tolerance $n6$ |
| 2) 不含胀紧盘与润滑油的重量 | 2) Weight without shrink disk and oil |
| 3) 有关平键(符合GB/T1095-1979)与中心孔请参 328 页 | 3) For parallel key (GB/T1095-1979) and centre hole see page 328 |
| 4) 当尺寸 ≤ 160 时公差为 $h6$ | 4) ≤ 160 $h6$ |
| 5) 孔的分布类型见 327 页 | 5) For hole pattern, see page 327 |

			额定功率P _N			Nominal power ratings			(kW)																						
in	n ₁ n ₂		规格 Sizes																												
	r/min		9	10	11	12	13	14	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36		
140	1500	10.7	24.8	34.9	47.3	68	94	132	180	228	275	332	399	442	507	578	667	711	860	-	-	-	-	-	-	-	-	-	-	-	
	1000	7.1	16.5	23.3	31.5	45	62	88	120	152	183	222	266	294	338	385	445	514	573	640	714	796	901	999	1127	1262	1442	1682	195		
	750	5.4	12.4	17.5	23.7	34	47	66	90	114	137	166	199	221	253	289	333	385	430	480	535	597	676	749	845	946	1082	1262	146		
160	1500	9.4	21.7	30.6	41.4	59	82	115	158	199	241	291	349	386	444	506	584	674	752	-	-	-	-	-	-	-	-	-	-	-	
	1000	6.3	14.5	20.4	27.6	39	55	77	105	133	160	194	233	258	296	337	389	450	501	560	624	697	789	874	986	1104	1262	1472	170		
	750	4.7	10.8	15.3	20.7	30	41	58	79	100	120	145	174	193	222	253	292	337	376	420	468	522	591	656	739	828	946	1104	128		
180	1500	8.3	19.3	27.2	36.8	53	73	103	140	177	214	258	310	343	394	450	519	599	669	-	-	-	-	-	-	-	-	-	-	-	
	1000	5.6	12.9	18.1	24.5	35	48	68	93	118	143	172	207	229	263	300	346	400	446	498	555	619	701	777	876	981	1122	1309	151		
	750	4.2	9.6	13.6	18.4	26	36	51	70	88	107	129	155	172	197	225	259	300	339	373	416	464	526	583	657	736	841	981	113		
200	1500	7.5	17.3	24.4	33.1	47	65	92	126	159	192	233	279	309	355	405	467	539	602	-	-	-	-	-	-	-	-	-	-	-	
	1000	5.0	11.6	16.3	22.1	32	44	62	84	106	128	155	186	206	237	270	311	360	401	448	499	557	631	699	789	883	1009	1178	136		
	750	3.8	8.7	12.2	16.6	24	33	46	63	80	96	116	140	155	177	202	233	270	301	336	375	418	473	524	591	662	757	883	102		
225	1500	6.7	15.4	21.7	29.4	42	58	82	112	142	171	207	248	275	315	360	415	479	535	597	666	743	841	932	1051	1178	1346	1570	182		
	1000	4.4	10.3	14.5	19.6	28	39	55	75	94	114	138	165	183	210	240	277	320	357	398	444	495	561	622	701	785	897	1047	1211		
	750	3.3	7.7	10.9	14.7	21	29	41	56	71	86	103	124	137	158	180	207	240	267	299	333	372	421	466	526	589	673	785	911		
250	1500	6.0	13.9	19.6	26.5	38	52	74	101	127	154	186	223	247	284	324	373	432	481	538	599	669	757	839	946	1060	1211	1413	164		
	1000	4.0	9.3	13.0	17.7	25	35	49	67	85	103	124	149	165	189	216	249	288	321	358	400	446	505	559	631	707	808	942	109		
	750	3.0	6.9	9.8	13.2	19	26	37	50	64	77	93	112	124	142	162	187	216	241	269	300	334	379	420	473	530	606	707	820		
280	1500	5.4	12.4	17.5	23.7	34	47	66	90	114	137	166	199	221	253	289	333	385	430	480	535	597	676	749	845	946	1082	1262	146		
	1000	3.6	8.3	11.6	15.8	23	31	44	60	76	92	111	133	147	169	193	222	257	287	320	357	398	451	499	563	631	721	841	972		
	750	2.7	6.2	8.7	11.8	17	23	33	45	57	69	83	100	110	127	144	167	193	215	240	268	299	338	375	422	473	541	631	736		

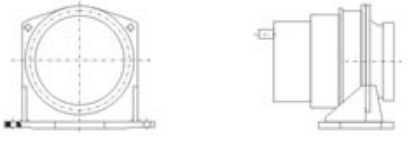
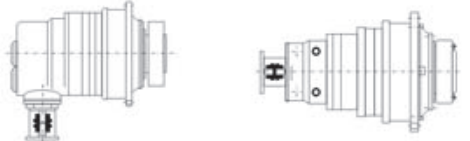
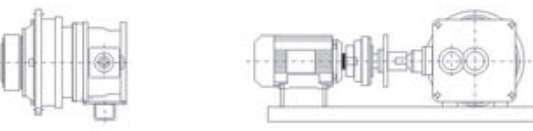
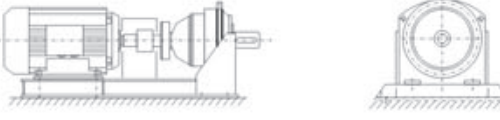
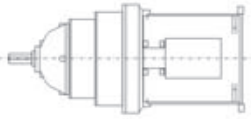
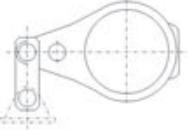
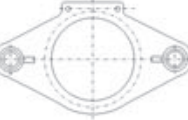
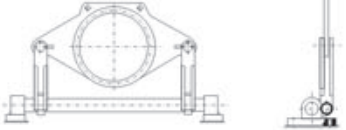
		热功率P _{G1} ^{*)} Thermal capacities P _{G1} ^{*)} (kW)																	
安装类型 Settings	规格 Sizes																		
	9	10	11	12	13	14	16	17	18	19/20	21/22	23/24	25/26	27/28	29/30	31/32	33/34	35/36	
狭小空间 ¹⁾ Small confined spaces	14	18	22	29	34	46	52	64	70	83	99	121	141	169	200	228	256	305	
室内大厅 ²⁾ 大 车 间 Large halls workshops	20	26	31	41	48	64	74	91	99	118	140	172	199	240	284	323	362	432	
室 外 ³⁾ In the open	28	35	42	56	65	87	100	123	133	159	190	233	269	324	384	437	490	585	

- ★) 用于水平安装形式。其它安装形式请与我们联系。
1) 风速 $\geq 0.5\text{m/s}$
2) 风速 $\geq 1.4\text{m/s}$
3) 风速 $\geq 3.7\text{m/s}$

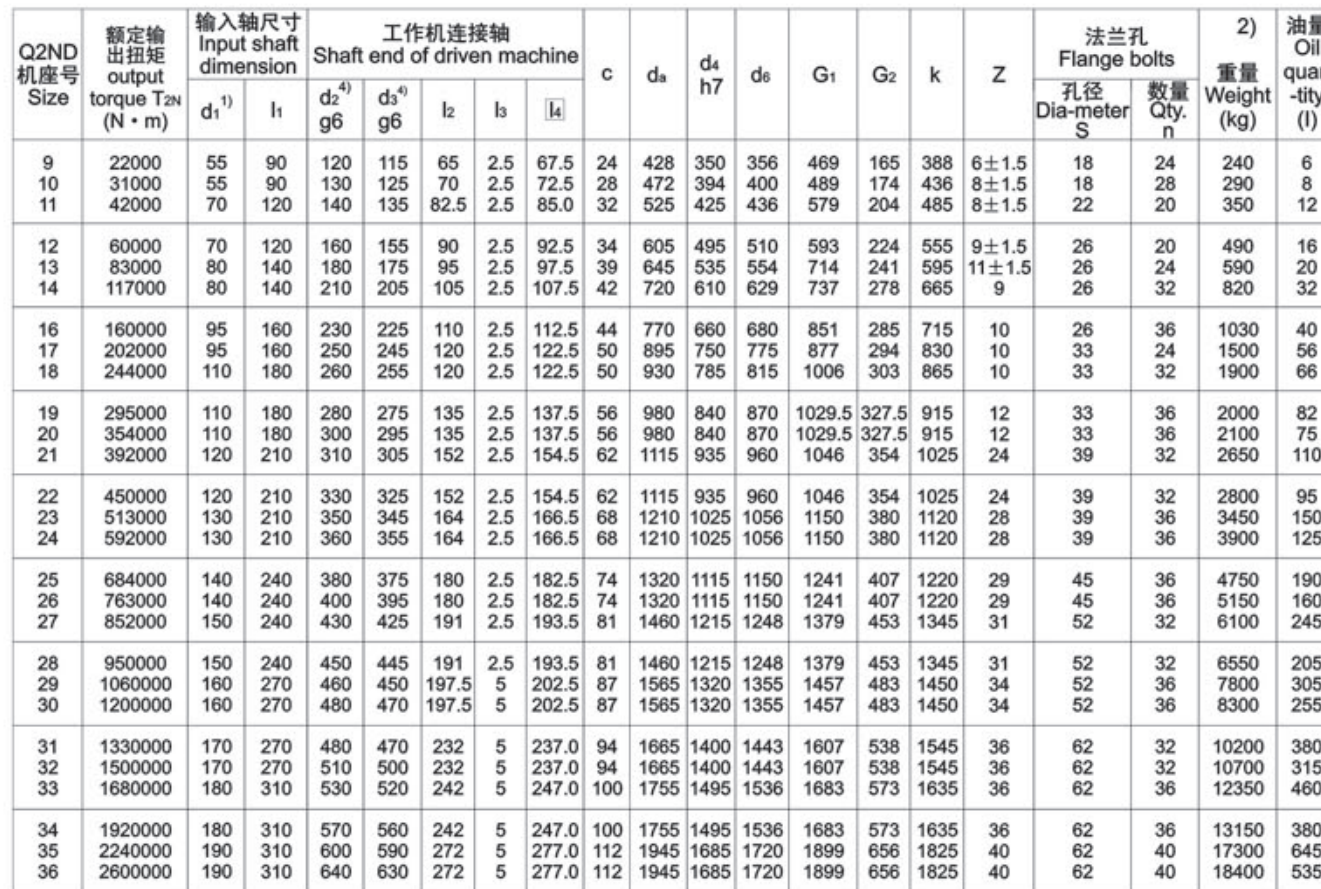
安装方位 Identifications of shaft arrangements:

水平安装 Horizontal gear unit position				垂直安装 Vertical gear unit position	
同轴式 Coaxial	0	Q.N.		 V1	 V3
		 B5			
平行轴式 Parallel shaft type	1	Q.S.	 B51	 V11	 V31
			 B52		
			 B53		
			 B54		
直交 平行轴式 Right angle parallel shaft type	2	Q.K.	 B51	 V11	 V31
			 B52		
			 B53		
			 B54		
直交轴式 Right angle shaft type	3	Q.L.	 B51	 V11	 V31
			 B52		
			 B53		
			 B54		
扭力臂安装 Install-ation of torque arm	5	 A51	 A52	*)对于B51、V1、V3、V11、V31安装方位时， 需考虑齿轮箱的润滑，请与我们联系。 *) For installation positions of B51, V1, V3, V11, V31, if it is necessary to consider the lubrication of gear box, please contact us.	
		 A53	 A54		
		 A55	 A56		

附件 / Add-on piece

代号code	附件 Add - on piece		示例 Representation
99	无附件 Without add-on piece		
96	减速器底座 Gear housing base	见336页 See page336	
70	电机钟形支座 Motor bell housing	见343页 See page 343	
71	电机托架 Motor bracket	见341页 See page 341	
72	电机支架 Motor bracket	见341页 See page 341	
73	摆动底座 Motor swing-base		
74	钟形支座(输出) Bell housing(output)		
75	扭矩支撑臂(一端) Torque reaction arm (on one sides)	见337页 See page 337	
76	扭矩支撑臂(二端) Torque reaction arm (on two sides)	见338页 See page 338	
77	扭力轴支撑 Torsion shaft support	见339页 See page 339	

1、型号Q2ND / 规格9...36 Type Q2ND / Sizes 9...36



- 1) Shaft diameter $d_1 \leq 100$, tolerance m6, shaft diameter $d_1 > 100$, tolerance n6
- 2) Weight without shrink disk and oil
- 3) For parallel key (GB/T1095-1979) and centre hole see page 328
- 4) ≤ 160 h6
- 5) For hole pattern, see page 327

额定功率P _N										Nominal power ratings																		(kW)			
in	n ₁	n ₂	规格 Sizes																												
			r/min	9	10	11	12	13	14	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	
25	1500	60	137	193	261	373	516	728	995	1256	1517	1834	2201	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1000	40	91	129	174	249	344	485	663	837	1012	1223	1468	1625	1866	2127	2454	2863	3163	3532	3938	4394	4975	5514	6218	6965	7960	9286	10779	-	
	750	30	68	96	131	187	258	364	497	628	759	917	1101	1219	1399	1595	1841	2127	2372	2649	2954	3296	3731	4135	4664	5223	5970	6965	8084	-	
28	1500	54	123	173	235	336	465	655	895	1131	1366	1651	1981	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	1000	36	82	116	157	224	310	437	597	754	910	1101	1321	1463	1679	1914	2209	2552	2847	3179	3544	3955	4477	4962	5597	6268	7164	8358	9701	-	
	750	27	62	87	118	168	232	327	448	565	683	825	991	1097	1259	1436	1657	1914	2135	2384	2658	2966	3358	3722	4197	4701	5373	6268	7276	-	
31.5	1500	48	109	154	209	298	413	582	796	1005	1214	1468	1761	1950	2239	2552	2945	3403	3796	4238	4726	5273	5970	6616	7462	8358	9551	11143	12934	-	
	1000	32	73	103	139	199	275	388	531	670	809	978	1174	1300	1492	1701	1963	2268	2530	2826	3151	3515	3980	4411	4975	5572	6368	7429	8623	-	
	750	24	55	77	104	149	206	291	398	502	607	734	881	975	1119	1276	1473	1701	1898	2129	2363	2637	2985	3308	3731	4179	4776	5572	6467	-	
35.5	1500	42	96	135	183	261	361	509	696	879	1062	1284	1541	1706	1959	2233	2577	2977	3321	3709	4135	4614	5223	5789	6529	7313	8358	9750	11317	-	
	1000	28	64	90	122	174	241	340	464	586	708	856	1027	1138	1306	1489	1718	1985	2214	2472	2757	3076	3482	3860	4353	4875	5572	6500	7545	-	
	750	21	48	67	91	131	181	255	348	440	531	642	770	853	979	1117	1288	1489	1661	1854	2068	2307	2612	2895	3265	3656	4179	4875	5659	-	
40	1500	38	87	122	165	236	327	461	630	796	961	1162	1394	1544	1772	2020	2331	2694	3005	3355	3741	4175	4726	5238	5907	6616	7562	8822	10240	-	
	1000	25	57	80	109	155	215	303	415	523	632	764	917	1016	1166	1329	1534	1772	1977	2208	2461	2746	3109	3446	3886	4353	4975	5804	6737	-	
	750	19	43	61	83	118	163	230	315	398	480	581	697	772	886	1010	1166	1347	1502	1678	1871	2087	2363	2619	2954	3308	3781	4411	5120	-	

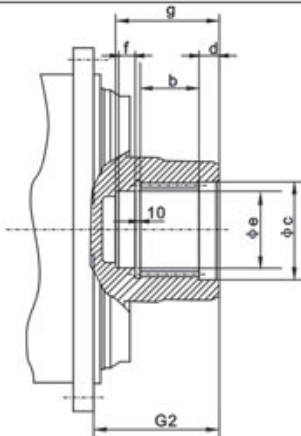
		热功率P _{G1} *) Thermal capacities P _{G1} *) (kW)																
安装类型 Settings	规格 Sizes																	
	9	10	11	12	13	14	16	17	18	19/20	21/22	23/24	25/26	27/28	29/30	31/32	33/34	35/36
狭小空间 ¹⁾ Small confined spaces	21	26	32	42	49	65	75	92	100	119	142	174	201	242	287	326	366	437
室内大厅 ²⁾ 大 车 间 Large halls workshops	29	37	45	60	69	92	106	130	147	169	201	246	285	343	406	462	519	619
室 外 ³⁾ In the open	39	50	60	80	93	125	143	175	191	228	272	333	386	464	550	626	702	838

- 1) 风速 $\geq 0.5\text{m/s}$
- 2) 风速 $\geq 1.4\text{m/s}$
- 3) 风速 $\geq 3.7\text{m/s}$

- 1) Wind velocity $\geq 0.5\text{m/s}$
- 2) Wind velocity $\geq 1.4\text{m/s}$
- 3) Wind velocity $\geq 3.7\text{m/s}$

2、规格9...30 渐开线花键空心输出轴 Sizes9...30 Hollow Output Shaft with Involute Splines

Q..KH.

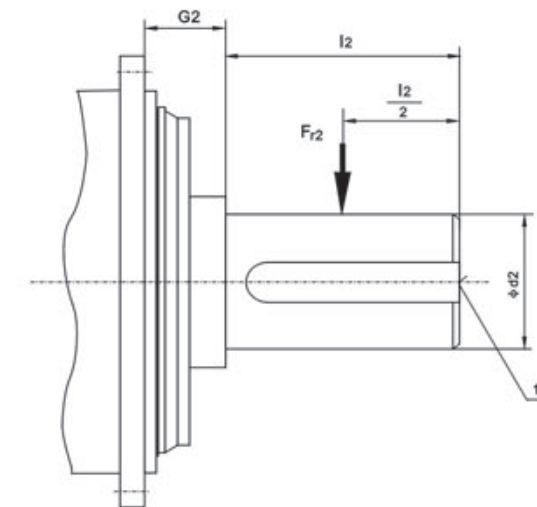


机座号 Size	输出扭矩 Output torque T _{2N} (N.m)	渐开线花键空心轴输出轴 Hollow output shaft with involute splines							
		内花键规格 Involute splines acc. to DIN 5480	b	c H7	d	e H7	f	G ₂	g
9	22000	120 × 5 × 30 × 22 × 9H	70	122	40	107	20	165	150
10	31000	130 × 5 × 30 × 24 × 9H	80	132	40	117	20	174	160
11	42000	140 × 5 × 30 × 26 × 9H	90	142	45	125	25	204	180
12	60000	160 × 5 × 30 × 30 × 9H	100	162	45	145	25	223	190
13	83000	180 × 5 × 30 × 34 × 9H	110	182	45	165	25	237	200
14	117000	210 × 5 × 30 × 40 × 9H	125	212	45	195	25	264	215
16	160000	240 × 8 × 30 × 28 × 9H	140	242	50	220	25	285	235
17	202000	250 × 8 × 30 × 30 × 9H	150	252	50	230	30	290	250
18	244000	260 × 8 × 30 × 31 × 9H	160	262	50	240	30	303	260
19	295000	280 × 8 × 30 × 34 × 9H	170	282	50	260	30	327.5	270
20	354000	300 × 8 × 30 × 36 × 9H	180	302	50	280	30	327.5	280
21	392000	310 × 8 × 30 × 37 × 9H	190	312	60	290	40	354	310
22	450000	330 × 8 × 30 × 40 × 9H	200	332	60	310	40	354	320
23	513000	340 × 8 × 30 × 41 × 9H	200	342	60	320	40	348	320
24	592000	360 × 8 × 30 × 44 × 9H	220	362	60	340	40	368	340
25	684000	380 × 8 × 30 × 46 × 9H	230	382	60	360	40	372	350
26	763000	400 × 8 × 30 × 48 × 9H	240	402	60	380	40	382	360
27	852000	440 × 8 × 30 × 54 × 9H	250	442	60	420	40	423	370
28	950000	450 × 8 × 30 × 55 × 9H	260	452	65	430	40	428	385
29	1060000	460 × 8 × 30 × 56 × 9H	270	462	65	440	45	433	400
30	1200000	480 × 8 × 30 × 58 × 9H	285	482	65	460	45	448	415

机座号 Size	输出扭矩 Output torque T _{2N} (N.m)	渐开线花键空心轴输出轴 Hollow output shaft with involute splines							
		内花键规格 Involute splines acc. to GB/ T3478.1	b	c H7	d	e H7	f	G ₂	g
9	22000	22z×5m×30p×6H	70	122	40	105	20	165	150
10	31000	24z×5m×30p×6H	80	132	40	115	20	174	160
11	42000	26z×5m×30p×6H	90	142	45	125	25	204	180
12	60000	30z×5m×30p×6H	100	162	45	145	25	223	190
13	83000	34z×5m×30p×6H	110	182	45	165	25	237	200
14	117000	40z×5m×30p×6H	125	212	45	195	25	264	215
16	160000	28z×8m×30p×6H	140	242	50	215	25	285	235
17	202000	30z×8m×30p×6H	150	255	50	230	30	290	250
18	244000	31z×8m×30p×6H	160	262	50	240	30	303	260
19	295000	33z×8m×30p×6H	170	282	50	255	30	327.5	270
20	354000	36z×8m×30p×6H	180	302	50	280	30	327.5	280
21	392000	37z×8m×30p×6H	190	312	60	285	40	354	310
22	450000	40z×8m×30p×6H	200	335	60	310	40	354	320
23	513000	41z×8m×30p×6H	200	342	60	320	40	348	320
24	592000	43z×8m×30p×6H	220	362	60	335	40	368	340
25	684000	46z×8m×30p×6H	230	382	60	360	40	372	350
26	763000	48z×8m×30p×6H	240	402	60	375	40	382	360
27-30	根据用户要求供货 Provided according to customer's requirements.								

3、规格9...36 带平键实心输出轴 Sizes9...36 Solid Output Shaft with Parallel Key

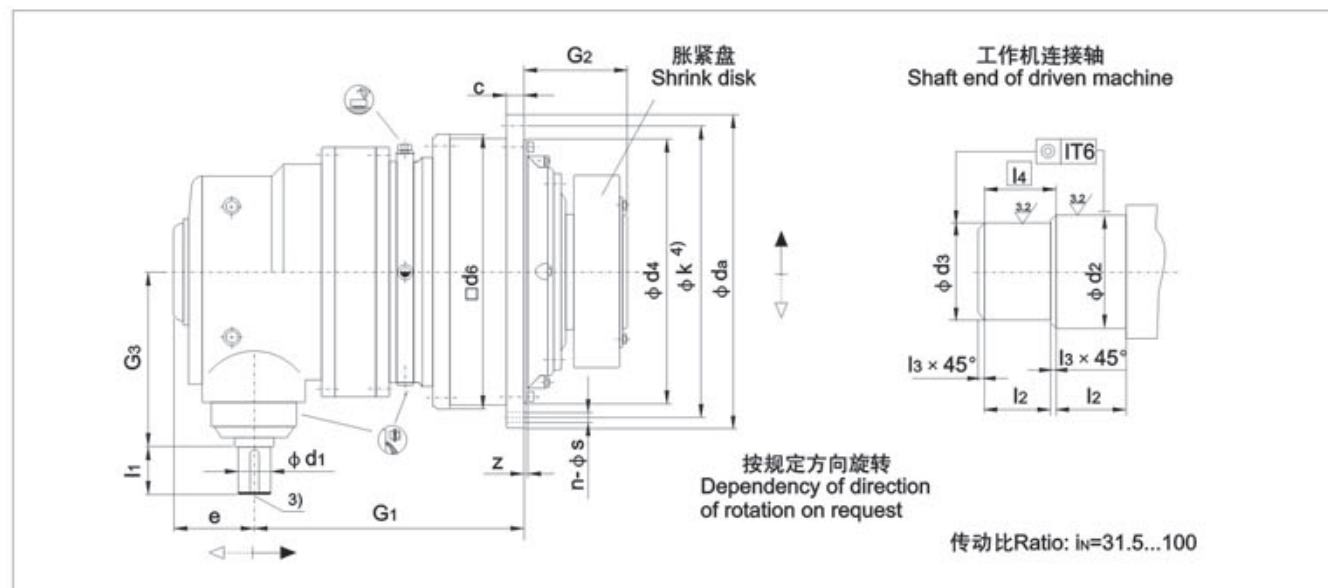
Q..S.



机座号 Size	输出扭矩 Output torque T _{2N} (N.m)	实心轴 Solid shaft			
		d ₂ n6	l ₂	G ₂	F ₁₂
9	22000	120	210	95	见305页 See page 305
10	31000	130	210	95	
11	42000	150	240	109	
12	60000	160	270	112	
13	83000	180	310	118	
14	117000	210	350	139	
16	160000	230	350	142	
17	202000	250	400	139	
18	244000	260	400	142	
19	295000	280	450	148.5	
20	354000	300	500	148.5	
21	392000	310	500	158	
22	450000	330	500	158	
23	513000	350	550	175	
24	592000	360	590	175	
25	684000	380	590	182	
26	763000	400	650	182	
27	852000	430	690	196.5	
28	950000	450	750	196.5	
29	1060000	460	750	209	
30	1200000	480	790	209	
31	1330000	500	790	232	
32	1500000	510	850	232	
33	1680000	530	900	251	
34	1920000	570	950	251	
35	2240000	600	1000	276	
36	2600000	640	1000	276	

1) 有关平键（符合GB/T1095-1979）与中心孔请参照328页 1) For parallel key (GB/T109 5-1979)and centre hole see page 328

2、型号Q2LD 规格9...36 Type Q2LD Sizes 9...36



Q2LD 机座号 Size	额定输出 扭矩 T _{2N} (N·m)	输入轴尺寸 Input shaft dimension				工作机连接轴 Shaft end of driven machine							c	d _a	d ₄ h7	d _s	e	G ₁	G ₂	G ₃	k	Z	法兰孔 Flange bolts		2) 重量 Weight (kg)	油量 Oil quantity (l)
		in≤90		in≥100		d ₂ ⁵⁾ g6	d ₃ ⁵⁾ g6	l ₂	l ₃	l ₄	孔径 Dia-meter S	数量 Qty. n														
		d ₁ ¹⁾	l ₁	d ₁ ¹⁾	l ₁																					
9	22000	45	100	35	80	120	115	65	2.5	67.5	24	428	350	356	185	425	165	305	388	6±1.5	18	24	260	6		
10	31000	45	100	35	80	130	125	70	2.5	72.5	28	472	394	400	185	445	174	305	436	8±1.5	18	28	310	8		
11	42000	55	110	40	100	140	135	82.5	2.5	85	32	525	425	436	210	501	204	350	485	8±1.5	22	20	380	12		
12	60000	55	110	40	100	160	155	90	2.5	92.5	34	605	495	510	210	515	224	350	555	9±1.5	26	20	520	16		
13	83000	70	135	50	110	180	175	95	2.5	97.5	39	645	535	554	250	619	241	415	595	11±1.5	26	24	650	20		
14	117000	70	135	50	110	210	205	105	2.5	107.5	42	720	610	628	250	642	278	415	665	9	26	32	910	32		
16	160000	80	165	60	140	230	225	110	2.5	112.5	44	770	660	680	295	705	285	490	715	10	26	36	1137	40		
17	202000	80	165	60	140	250	245	120	2.5	122.5	50	895	750	775	295	731	294	490	830	10	33	24	1660	56		
18	244000	90	165	70	140	260	255	120	2.5	122.5	50	930	785	815	350	882	303	605	865	10	33	32	2100	66		
19	295000	90	165	70	140	280	275	135	2.5	137.5	56	980	840	870	350	905.5	327.5	605	915	12	33	36	2200	82		
20	354000	90	165	70	140	300	295	135	2.5	137.5	56	980	840	870	350	905.5	327.5	605	915	12	33	36	2300	75		
21	392000	110	205	80	170	310	305	152	2.5	154.5	62	1115	935	960	400	996	354	700	1025	24	39	32	2930	110		
22	450000	110	205	80	170	330	325	152	2.5	154.5	62	1115	935	960	400	996	354	700	1025	24	39	32	3100	95		
23	513000	110	205	80	170	350	345	164	2.5	166.5	68	1210	1025	1056	400	1055	380	700	1120	28	39	36	3800	150		
24	592000	110	205	80	170	360	355	164	2.5	166.5	68	1210	1025	1056	400	1055	380	700	1120	28	39	36	4300	125		
25	684000	130	245	100	210	380	375	180	2.5	182.5	74	1320	1115	1150	475	1138	407	835	1220	29	45	36	5250	190		
26	763000	130	245	100	210	400	395	180	2.5	182.5	74	1320	1115	1150	475	1138	407	835	1220	29	45	36	5660	160		
27	852000	130	245	100	210	430	425	191	2.5	193.5	81	1460	1215	1248	475	1272	453	835	1345	31	52	32	6680	245		
28	950000	130	245	100	210	450	445	191	2.5	193.5	81	1460	1215	1248	475	1272	453	835	1345	31	52	32	7180	205		
29	1060000	150	245	110	210	460	450	197.5	5	202.5	87	1565	1320	1355	530	1367	483	945	1450	34	52	36	8500	305		
30	1200000	150	245	110	210	480	470	197.5	5	202.5	87	1565	1320	1355	530	1367	483	945	1450	34	52	36	9070	255		
31~36		根据用户要求供货										On request														

- | | |
|--|--|
| 1) 当 $d_1 \leq 50$ 时公差为 k6, 当 $d_1 > 50$ 时公差为 m6 | 1) Shaft diameter $d_1 \leq 50$, tolerance k6, shaft diameter $d_1 > 50$, tolerance m6 |
| 2) 不含胀紧盘与润滑油的重量 | 2) Weight without shrink disk and oil |
| 3) 有关平键(符合 GB/T1095-1979)与中心孔请参 328 页 | 3) For parallel key (GB/T1095-1979) and centre hole see page 328 |
| 4) 孔的分布类型见 327 页 | 4) For hole pattern, see page 327 |
| 5) 当尺寸 ≤ 160 时公差为 h6 | 5) ≤ 160 h6 |

型号Q2L. 规格9...36 Type Q2L. Sizes 9...36

额定功率P _N Nominal power ratings (kW)																										
in	n ₁	n ₂	规格 Sizes																							
	r/min	9	10	11	12	13	14	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31-36			
31.5	1500	47.6	111	156	212	302	418	510	806	865	1230*	1487*	1517*	1976*	2268*	—	—	—	—	—	—	—	—	—		
	1000	31.7	74	104	141	202	279	340	538	577	820	991	1011	1317	1512*	1724*	1989*	2298*	2564*	2863*	2937*	—	—			
	750	23.8	55	78	106	151	209	255	403	433	615	743	758	988	1134	1293	1492	1724	1923	2147	2203	—	—			
35.5	1500	42.3	98	139	188	268	345	487	716	858	1091*	1319*	1504*	1753*	2013*	—	—	—	—	—	—	—	—			
	1000	28.2	66	92	125	179	247	324	477	572	728	880	1003	1169*	1342*	1530*	1712*	2040*	2275*	2540*	2833*	—				
	750	21.1	49	69	94	134	173	243	358	429	546	660	752	877	1006	1147	1284	1530	1706	1905	2124	—				
40	1500	37.5	87	123	167	238	306	432	635	802	969*	1171*	1405*	1556*	1786*	—	—	—	—	—	—	—	—			
	1000	25.0	58	82	111	159	204	288	423	535	646	781	937	1037*	1191*	1358*	1567*	1810*	2019*	2255*	2514*	—				
	750	18.8	44	62	83	119	153	216	318	401	484	585	703	778	883	1018	1175	1358	1514	1691	1885	—				
45	1500	33.3	78	109	148	212	293	413	565	713	861*	1041*	1249*	1383*	1588*	1810*	2089*	—	—	—	—	—				
	1000	22.2	52	73	99	141	195	275	376	475	574	694	833	922	1059*	1207*	1393*	1609*	1795*	2004*	2235*	—				
	750	16.7	39	55	74	106	146	206	282	356	430	520	625	692	794	905	1044	1207	1346	1503	1676	1870				
50	1500	30.0	70	98	133	191	264	372	508	641	775	937	1124	1245*	1429*	1629*	1880*	—	—	—	—	—				
	1000	20.0	47	66	89	127	176	248	339	428	517	625	749	830	953	1086	1253	1448*	1615	1804*	2011*	—				
	750	15.0	35	49	67	95	132	186	254	321	387	468	562	622	714	815	940	1086	1211	1353	1508	1683				
56	1500	26.8	62	88	119	170	235	332	454	573	692	836	1004	1111*	1276*	1455*	1678*	—	—	—	—	—				
	1000	17.9	42	59	79	113	157	221	302	382	461	558	669	741	851	970	1119	1293*	1442*	1610*	1796*	—				
	750	13.4	31	44	60	85	118	166	227	286	345	418	502	556	638	727	839	970	1082	1208	1347	1503				
63	1500	23.8	55	78	106	151	209	295	403	509	615	743	892	988	1134	1293	1492	1724*	1923*	2147*	2394*	—				
	1000	15.9	37	52	71	101	139	197	269	339	410	496	595	659	756	862	995	1149	1282	1432	1596	—				
	750	11.9	28	39	53	76	105	147	202	255	307	372	446	494	567	646	746	862	961	1074	1197	1336				
71	1500	21.1	49	69	94	134	186	262	358	452	546	660	792	877	1006	1147	1324	1530	1706	1905	2124	—				
	1000	14.1	33	46	63	89	124	174	239	301	364	440	528	584	671	765	883	1020	1138	1270	1416	—				
	750	10.6	25	35	47	67	93	131	179	226	273	330	396	438	503	574	662	765	853	953	1062	1185				
80	1500	18.8	44	62	83	119	162	232	318	401	484	585	703	778	893	1018	1175	1358	1514	1691	1885	—				
	1000	12.5	29	41	56	79	110	155	212	267	323	390	468	519	595	679	783	905	1010	1127	1257	—				
	750	9.4	22	31	42	60	82	116	159	200	242	293	351	389	447	509	587	679	757	845	943	1052				
90	1500	16.7	39	55	74	106	146	206	282	356	430	520	625	692	794	905	1044	1207	1346	1503	1676	—				
	1000	11.1	26	36	49	71	98	138	188	238	287	347	416	461	529	603	696	804	897	1002	1117	—				
	750	8.3	19	27	37	53	73	103	141	178	215	260	312	346	397	453	522	603	673	752	838	935				
100	1500	15.0	35	49	67	95	132	186	254	321	387	468	562	622	714	815	940	1086	1211	1353	1508	—				
	1000	10.0	23	33	44	64	88	124	169	214	258	312	375	415	476	543	627	724	808	902	1006	—				
	750	7.5	17	25	33	48	66	93	127	160	194	234	281	311	357	407	470	543	606	676	754	842				

根据用户要求供货
On request

* 要求强制润滑 *Forced lubrication required

热功率 $P_{G1}^{*1)}$ Thermal capacities $P_{G1}^{*1)}$ (kW)																
安装类型 Settings	规格 Sizes															
	9	10	11	12	13	14	16	17	18	19/20	21/22	23/24	25/26	27/28	29/30	31/36
狭小空间 ¹⁾ Small confined spaces	14	18	22	29	34	46	52	64	70	83	99	121	141	169	200	根据用户要求供货 On request
室内大厅 大车间 Large halls workshops ²⁾	20	26	31	41	48	64	74	91	99	118	140	172	199	240	284	
室外 ³⁾ In the open	28	35	42	56	65	87	100	123	133	159	190	233	269	324	384	

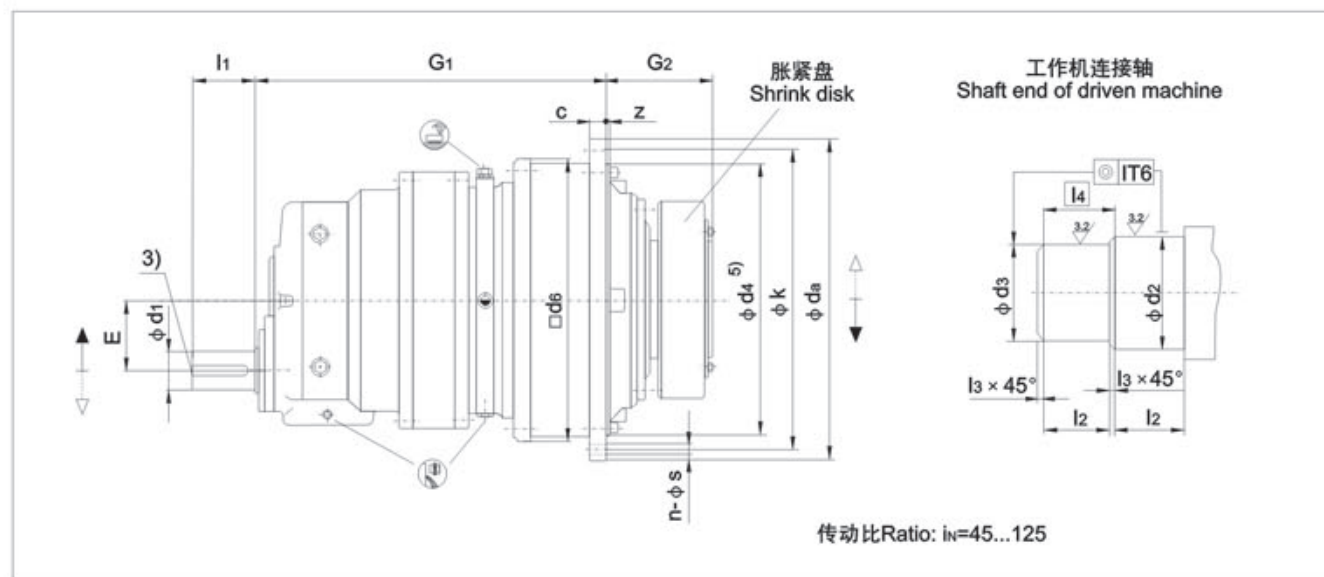
★) 用于水平安装形式, 其它安装形式请与我们联系。

- 1) 风速 $\geq 0.5\text{m/s}$
- 2) 风速 $\geq 1.4\text{m/s}$
- 3) 风速 $\geq 3.7\text{m/s}$

★) Values apply to horizontal mounting position, for other mounting positions please refer to us.

- 1) Wind velocity $\geq 0.5\text{m/s}$
- 2) Wind velocity $\geq 1.4\text{m/s}$
- 3) Wind velocity $\geq 3.7\text{m/s}$

3、型号Q2SD 规格9...36 Type Q2SD Sizes 9...36



Q2SD 机座号 Size	额定输出 扭矩 output torque T _{2N} (N · m)	输入轴尺寸 Input shaft dimension		工作机连接轴 Shaft end of driven machine						c	d _a	d ₄ h7	d ₆	E	G ₁	G ₂	k	Z	法兰孔 Flange bolts		2) 重量 Weight (kg)	油量 Oil quantity (l)
																			孔径 Dia-meter S	数量 Qty. n		
		d ₁ ¹⁾	l ₁	d ₂ ⁴⁾ g6	d ₃ ⁴⁾ g6	l ₂	l ₃	l ₄														
9	22000	38	60	120	115	65	2.5	67.5	24	428	350	356	90	469	165	388	6±1.5	18	24	260	16	
10	31000	38	60	130	125	70	2.5	72.5	28	472	394	400	90	489	174	436	8±1.5	18	28	310	8	
11	42000	55	90	140	135	82.5	2.5	85.0	32	525	425	436	115	579	204	485	8±1.5	22	20	380	12	
12	60000	55	90	160	155	90	2.5	92.5	34	605	495	510	115	593	224	555	9±1.5	26	20	520	16	
13	83000	70	120	180	175	95	2.5	97.5	39	645	535	554	140	714	241	595	11±1.5	26	24	660	20	
14	117000	70	120	210	205	105	2.5	107.5	42	720	610	629	140	737	278	665	9	26	32	920	32	
16	160000	80	140	230	225	110	2.5	112.5	44	770	660	680	170	851	285	715	10	26	36	1150	40	
17	202000	80	140	250	245	120	2.5	122.5	50	895	750	775	170	877	294	830	10	33	24	1650	56	
18	244000	90	160	260	255	120	2.5	122.5	50	930	785	815	200	1006	303	865	10	33	32	1950	66	
19	295000	90	160	280	275	135	2.5	137.5	56	980	840	870	200	1029.5	327.5	915	12	33	36	2400	82	
20	354000	90	160	300	295	135	2.5	137.5	56	980	840	870	200	1029.5	327.5	915	12	33	36	2500	75	
21	392000	100	180	310	305	152	2.5	154.5	62	1115	935	960	230	1076	354	1025	24	39	32	2900	110	
22	450000	100	180	330	325	152	2.5	154.5	62	1115	935	960	230	1076	354	1025	24	39	32	3100	95	
23	513000	120	210	350	345	164	2.5	166.5	68	1210	1025	1056	265	1175	380	1120	28	39	36	3800	150	
24	592000	120	210	360	355	164	2.5	166.5	68	1210	1025	1056	265	1175	380	1120	28	39	36	4100	125	
25	684000	130	210	380	375	180	2.5	182.5	74	1320	1115	1150	300	1291	407	1220	29	45	36	4950	190	
26	763000	130	210	400	395	180	2.5	182.5	74	1320	1115	1150	300	1291	407	1220	29	45	36	5350	160	
27	852000	140	240	430	425	191	2.5	193.5	81	1460	1215	1248	320	1429	453	1345	31	52	32	6800	245	
28	950000	140	240	450	445	191	2.5	193.5	81	1460	1215	1248	320	1429	453	1345	31	52	32	7200	205	
29	1060000	150	240	460	450	197.5	5	202.5	87	1565	1320	1355	360	1507	483	1450	34	52	36	8500	305	
30	1200000	150	240	480	470	197.5	5	202.5	87	1565	1320	1355	360	1507	483	1450	34	52	36	9000	255	
31	1330000	160	270	480	470	232	5	237.0	94	1665	1400	1443	400	1662	538	1545	36	62	32	10500	380	
32	1500000	160	270	510	500	232	5	237.0	94	1665	1400	1443	400	1662	538	1545	36	62	32	11200	315	
33	1680000	170	270	530	520	242	5	247.0	100	1755	1495	1536	400	1743	573	1635	36	62	36	12700	460	
34	1920000	170	270	570	560	242	5	247.0	100	1755	1495	1536	400	1743	573	1635	36	62	36	13500	380	
35	2240000	180	310	600	590	272	5	277.0	112	1945	1685	1720	442	1960	656	1825	40	62	40	17800	645	
36	2600000	180	310	640	630	272	5	277.0	112	1945	1685	1720	442	1960	656	1825	40	62	40	18900	535	

- | | |
|--|--|
| 1) 当 $d_1 \leq 100$ 时公差为m6, 当 $d_1 > 100$ 时公差为n6 | 1) Shaft diameter $d_1 \leq 100$, tolerance m6, shaft diameter $d_1 > 100$, tolerance n6 |
| 2) 不含胀紧盘与润滑油的重量 | 2) Weight without shrink disk and oi |
| 3) 有关平键(符合GB/T1095-1979)与中心孔请参328页 | 3) For parallel key (GB/T1095-1979) and centre hole see page 328 |
| 4) 当尺寸 ≤ 160 时公差为h6 | 4) ≤ 160 h6 |
| 5) 孔的分布类型见327页 | 5) For hole pattern, see page 327 |

型号Q2S. 规格9...36 Type Q2S. Sizes 9...36

[illegible]

		热功率P _{G1} ^{*)}				Thermal capacities P _{G1} ^{*)}				(kW)									
安装类型 Settings	规格 Sizes																		
	9	10	11	12	13	14	16	17	18	19/20	21/22	23/24	25/26	27/28	29/30	31/32	33/34	35/36	
狭小空间 ¹⁾ Small confined spaces	15	20	24	32	36	49	56	69	75	89	106	130	151	182	215	245	275	328	
室内大厅 ²⁾ 大 车 间 Large halls workshops	22	28	34	45	52	69	79	97	106	127	151	185	214	257	305	347	389	464	
室 外 ³⁾ In the open	29	38	45	60	70	94	107	132	143	171	204	250	289	348	412	469	527	628	

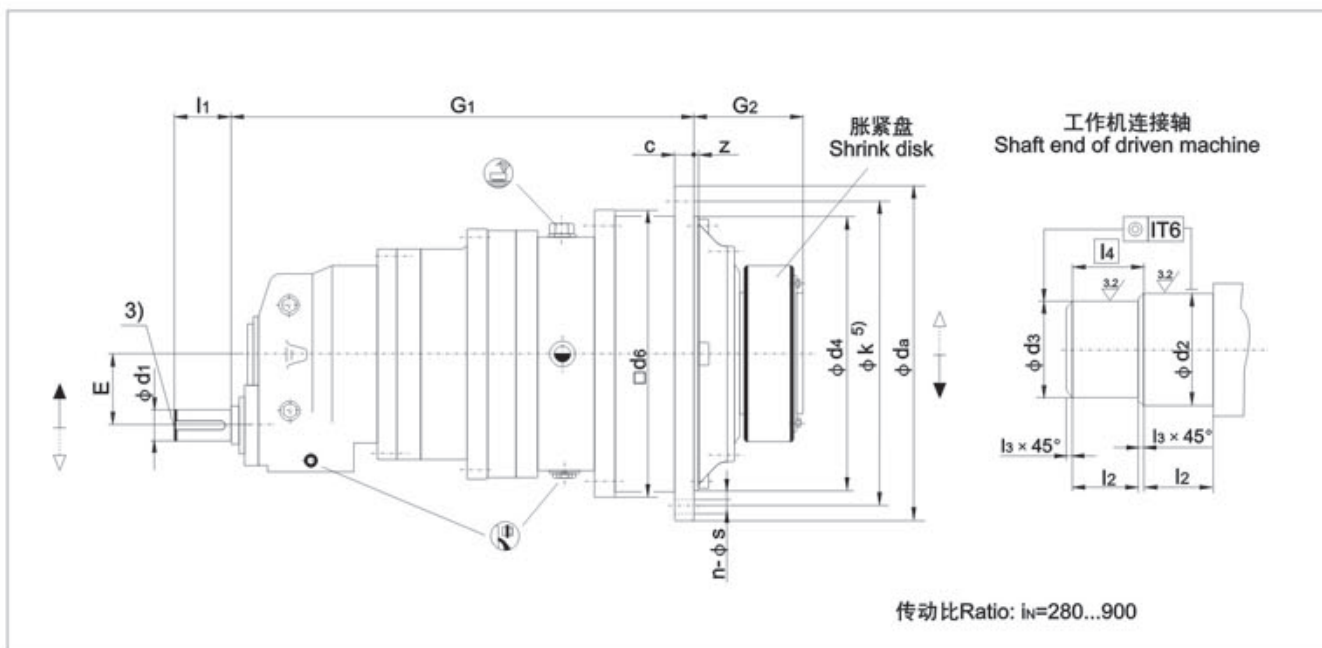
★) 用于水平安装形式, 其它安装形式请与我们联系。

- 1) 风速 $\geq 0.5\text{m/s}$
- 2) 风速 $\geq 1.4\text{m/s}$
- 3) 风速 $\geq 3.7\text{m/s}$

★) Values apply to horizontal mounting position, for other mounting positions please refer to us.

- 1) Wind velocity $\geq 0.5 \text{ m/s}$
- 2) Wind velocity $\geq 1.4 \text{ m/s}$
- 3) Wind velocity $\geq 3.7 \text{ m/s}$

6、型号Q3SD 规格9...36 Type Q3SD Sizes 9...36



Q3SD 机座号 Size	额定输出 扭矩 T _{2N} (N · m)	输入轴尺寸 Input shaft dimension		工作机连接轴 Shaft end of driven machine					c	d _a	d ₄ h7	d ₆	E	G ₁	G ₂	k	Z	法兰孔 Flange bolts		2) 油量 Oil quan- -tity (l)	
				d ₂ ⁴⁾ g6	d ₃ ⁴⁾ g6	l ₂	l ₃	l ₄										孔径 Dia-meter S	数量 Qty. n		
		d ₁ ¹⁾	l ₁	d ₂ ⁴⁾ g6	d ₃ ⁴⁾ g6	l ₂	l ₃	l ₄										孔径 Dia-meter S	数量 Qty. n		
9	22000	38	60	120	115	65	2.5	67.5	24	428	350	356	90	565	165	388	6±1.5	18	24	270	7
10	31000	38	60	130	125	70	2.5	72.5	28	472	394	400	90	585	174	436	8±1.5	18	28	320	9
11	42000	38	60	140	135	82.5	2.5	85.0	32	525	425	436	90	616	204	485	8±1.5	22	20	390	13
12	60000	38	60	160	155	90	2.5	92.5	34	605	495	510	90	630	224	555	9±1.5	26	20	540	17
13	83000	38	60	180	175	95	2.5	97.5	39	645	535	554	90	688	241	595	11±1.5	26	24	670	21
14	117000	38	60	210	205	105	2.5	107.5	42	720	610	629	90	711	278	665	9	26	32	930	33
16	160000	55	90	230	225	110	2.5	112.5	44	770	660	680	115	853	285	715	10	26	36	1115	42
17	202000	55	90	250	245	120	2.5	122.5	50	895	750	775	115	879	294	830	10	33	24	1625	60
18	244000	70	120	260	255	120	2.5	122.5	50	930	785	815	140	1013	303	865	10	33	32	2060	70
19	295000	70	120	280	275	135	2.5	137.5	56	980	840	870	140	1036.5	327.5	915	12	33	36	2160	85
20	354000	70	120	300	295	135	2.5	137.5	56	980	840	870	140	1036.5	327.5	915	12	33	36	2260	75
21	392000	70	120	310	305	152	2.5	154.5	62	1115	935	960	140	1093	354	1025	24	39	32	2870	115
22	450000	70	120	330	325	152	2.5	154.5	62	1115	935	960	140	1093	354	1025	24	39	32	3040	105
23	513000	80	140	350	345	164	2.5	166.5	68	1210	1025	1056	170	1222	380	1120	28	39	36	3730	155
24	592000	80	140	360	355	164	2.5	166.5	68	1210	1025	1056	170	1222	380	1120	28	39	36	4220	135
25	684000	80	140	380	375	180	2.5	182.5	74	1320	1115	1150	170	1284.5	407	1220	29	45	36	5150	195
26	763000	80	140	400	395	180	2.5	182.5	74	1320	1115	1150	170	1284.5	407	1220	29	45	36	5560	170
27	852000	90	160	430	425	191	2.5	193.5	81	1460	1215	1248	200	1470	453	1345	31	52	32	6580	250
28	950000	90	160	450	445	191	2.5	193.5	81	1460	1215	1248	200	1470	453	1345	31	52	32	7080	220
29	1060000	90	160	460	450	197.5	5	202.5	87	1565	1320	1355	200	1517	483	1450	34	52	36	8400	310
30	1200000	90	160	480	470	197.5	5	202.5	87	1565	1320	1355	200	1517	483	1450	34	52	36	8970	280
31	1330000	100	180	480	470	232	5	237.0	94	1665	1400	1443	230	1615	538	1545	36	62	32	11000	390
32	1500000	100	180	510	500	232	5	237.0	94	1665	1400	1443	230	1615	538	1545	36	62	32	11500	360
33	1680000	120	210	530	520	242	5	247.0	100	1755	1495	1536	265	1735	573	1635	36	62	36	13300	470
34	1920000	120	210	570	560	242	5	247.0	100	1755	1495	1536	265	1735	573	1635	36	62	36	14200	430
35 36	根据用户要求供货 On request																				

1) 当 $d_1 \leq 100$ 时公差为m6, 当 $d_1 > 100$ 时公差为n6

2) 不含胀紧盘与润滑油的重量

3) 有关平键(符合GB/T1095-1979)与中心孔请参328页

4) 当尺寸 ≤ 160 时公差为h6

5) 孔的分布类型见327页

1) Shaft diameter $d_1 \leq 100$, tolerance m6, shaft diameter $d_1 > 100$, tolerance n6

2) Weight without shrink disk and oil

3) For parallel key (GB/T1095-1979) and centre hole see page 328

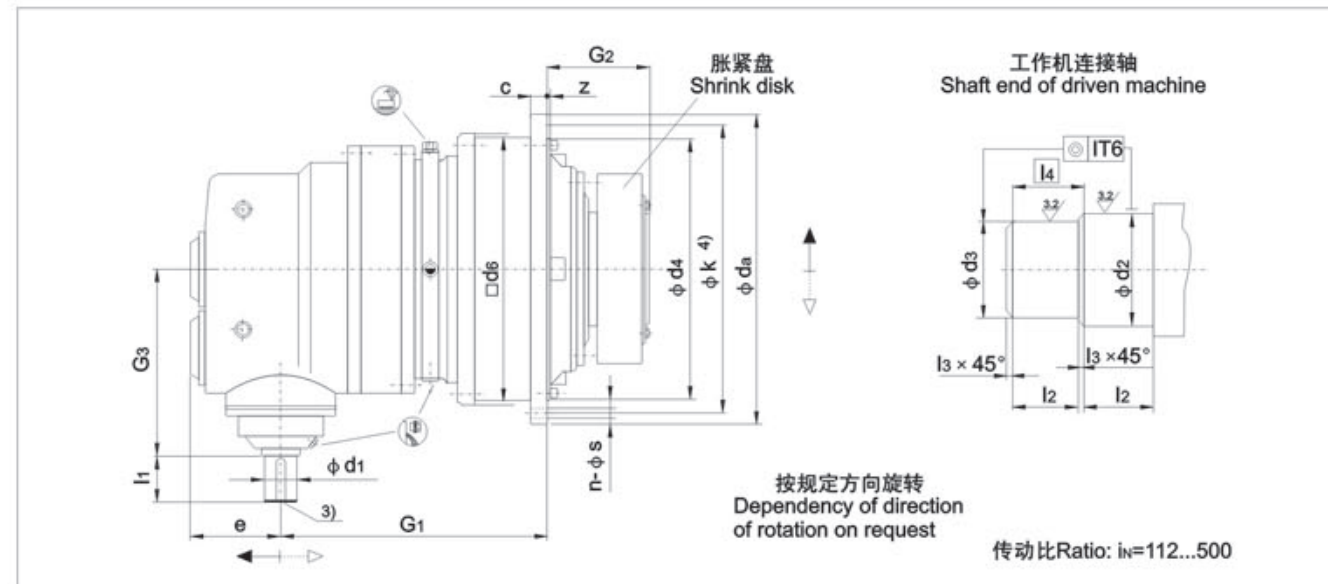
4) ≤ 160 h6

5) For hole pattern, see page 327

型号Q3S. 规格9...36 Type Q3S. Sizes 9...36

			额定功率P _N										Nominal power ratings										(kW)									
i _n	n ₁ n ₂		规格 Sizes																													
	r/min	9	10	11	12	13	14	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36				
280	1500	5.4	13.5	17.6	24	34	47	67	91	115	139	168	202	223	256	292	337	389	434	485	541	603	683	757	854	956	1093	1275	1480			
	1000	3.6	8.3	12	16	23	31	44	61	77	93	112	134	149	171	195	225	260	290	323	361	402	455	505	569	638	729	850	987			
	750	2.7	6.3	8.8	12	17	24	33	46	57	69	84	101	112	128	146	168	195	217	242	270	302	342	379	427	478	546	638	740			
315	1500	4.8	11	16	21	30	42	59	81	102	123	149	179	198	228	260	300	346	386	431	481	536	607	673	759	850	971	1133	1316			
	1000	3.2	7.4	10.5	14	20	28	39	54	68	82	100	119	132	152	173	200	231	257	287	320	358	405	449	506	567	648	756	877			
	750	2.4	5.6	7.8	11	15	21	30	40	51	62	75	90	99	114	130	150	173	193	216	240	268	304	336	379	425	486	567	658			
355	1500	4.2	10	14	19	27	37	53	72	91	110	132	159	176	202	230	266	307	343	383	427	476	539	597	673	754	862	1006	1167			
	1000	2.8	6.7	9.3	13	18	25	35	48	60	73	88	106	117	135	154	177	205	228	255	284	317	359	398	449	503	575	670	778			
	750	2.1	5	7	9	13	19	26	36	45	55	66	79	88	101	115	133	154	171	191	213	238	269	299	337	377	431	503	584			
400	1500	3.8	8.8	12.4	17	24	33	47	64	80	97	118	141	156	179	204	236	273	304	339	379	422	478	530	598	669	765	893	1036			
	1000	2.5	5.8	8.2	11	16	22	31	43	54	65	78	94	104	120	136	157	182	203	226	252	282	319	353	398	446	510	595	691			
	750	1.9	4.4	6.2	8	12	17	23	32	40	49	59	71	78	90	102	118	136	152	170	189	211	239	265	299	335	383	446	518			
450	1500	3.3	7.8	11	15	21	29	41	57	72	86	104	125	139	159	182	210	242	270	302	336	375	425	471	531	595	680	793	921			
	1000	2.2	5.2	7.3	10	14	20	28	38	48	58	70	84	93	106	121	140	162	180	201	224	250	283	314	354	397	453	529	614			
	750	1.7	3.4	5.5	7.4	11	15	21	28	36	43	52	63	69	80	91	105	121	135	151	168	188	213	236	266	298	340	397	460			
500	1500	3.0	7	10	13.4	19	26	37	51	64	78	94	113	125	143	164	189	218	243	272	303	338	383	424	478	536	612	714	829			
	1000	2.0	4.7	6.6	8.9	13	18	25	34	43	52	63	75	83	96	109	126	145	162	181	202	225	255	283	319	357	408	476	553			
	750	1.5	3.5	5	6.7	10	13	19	26	32	39	47	56	62	72	82	94	109	122	136	151	169	191	212	239	268	306	357	414			
560	1500	2.7	6.3	8.8	12	17	24	33	46	57	69	84	101	112	128	146	168	195	217	242	270	302	342	379	427	478	546	638	740			
	1000	1.8	4.2	6	8	11	16	22	30	38	46	56	67	74	85	97	112	130	145	162	180	201	228	252	285	319	364	425	493			
	750	1.3	3.1	4.4	6	9	12	17	23	29	35	42	50	56	64	73	84	97	109	121	135	151	171	189	213	239	273	319	370			
630	1500	2.4	5.6	7.8	10.6	15	21	30	40	51	62	75	90	99	114	130	150	173	193	216	240	268	304	336	379	425	486	567	658			
	1000	1.6	3.7	5.2	7	10	14	20	27	34	41	50	60	66	76	87	100	115	129	144	160	179	202	224	253	283	324	378	439			
	750	1.2	2.8	3.9	5.3	8	10	15	20	26	31	37	45	50	57	65	75	87	97	108	120	134	152	168	190	213	243	283	329			
710	1500	2.1	4.5	7	9.4	13	19	26	36	45	55	66	79	88	101	115	133	154	171	191	213	238	269	299	337	377	431	503	584			
	1000	1.4	3.3	4.5	6.3	9	12	18	24	30	37	44	53	59	67	77	89	102	114	128	142	159	180	199	224	251	287	335	389			
	750	1.1	2.5	3.5	4.7	7	9	13	18	23	27	33	40	44	51	58	66	77	86	96	107	119	135	149	168	189	215	251	292			
800	1500	1.9	4.4	6.2	8.4	12	17	23	32	40	49	59	71	78	90	102	118	136	152	170	189	211	239	265	299	335	383	446	518			
	1000	1.3	2.9	4.1	5.6	8	11	16	21	27	32	39	47	52	60	68	79	91	110	113	126	141	159	177	199	223	255	298	345			
	750	0.9	2.2	3.1	4.2	6	8	12	16	20	24	29	35	39	45	51	59	68	76	85	95	106	120	132	149	167	191	223	259			
900	1500	1.7	3.4	5.5	7.4	11	15	21	28	36	43	52	63	69	80	91	105	121	135	151	168	188	213	236	266	298	340	397	460			
	1000	1.1	2.6	3.7	5	7	10	14	19	24	29	35	42	46	53	61	70	81	90	101	112	125	142	157	177	198	227	264	307			
	750	0.8	1.9	2.7	3.7	5	7	10	14	18	22	26	31	35	40	45	52	61	68	75	84	94	106	118	133	149	170	198	230			

4、型号Q2KD 规格9...20 Type Q2KD Sizes 9...20



Q2KD 机座号 Size	额定输出 扭矩 torque T_{2N} (N · m)	输入轴尺寸 Input shaft dimension				工作机连接轴 Shaft end of driven machine						c	d_a	d_4 h7	d_6	e	G_1	G_2	G_3	k	Z	法兰孔 Flange bolts		2) 重量 Weight (kg)	油量 Oil quan- -tity (l)
		$i_n \leq 360$		$i_n \geq 400$		$d_2^{5)}$ g6	$d_3^{5)}$ g6	l_2	l_3	l_4	孔径 Dia-meter S											数量 Qty. n			
		$d_1^{1)}$	l_1	$d_1^{1)}$	l_1																				
9	22000	30	70	25	60	120	115	65	2.5	67.5	24	428	350	356	119	339	165	320	388	6 ± 1.5	18	24	270	6	
10	31000	30	70	25	60	130	125	70	2.5	72.5	28	472	394	400	119	359	174	320	436	8 ± 1.5	18	28	320	8	
11	42000	35	80	28	60	140	135	82.5	2.5	85.0	32	525	425	436	137	419	204	375	485	8 ± 1.5	22	20	390	12	
12	60000	35	80	28	60	160	155	90	2.5	92.5	34	605	495	510	137	433	224	375	555	9 ± 1.5	26	20	540	16	
13	83000	45	100	35	80	180	175	95	2.5	97.5	39	645	535	554	172	518.5	241	445	595	11 ± 1.5	26	24	690	20	
14	117000	45	100	35	80	210	205	105	2.5	107.5	42	720	610	629	172	541.5	278	445	665	9	26	32	950	32	
16	160000	55	110	40	100	230	225	110	2.5	112.5	44	770	660	680	194	632	285	520	715	10	26	36	1184	40	
17	202000	55	110	40	100	250	245	120	2.5	122.5	50	895	750	775	194	658	294	520	830	10	33	24	1700	56	
18	244000	70	135	50	110	260	255	120	2.5	122.5	50	930	785	815	240	741.5	303	615	865	10	33	32	2010	73	
19	295000	70	135	50	110	280	275	135	2.5	137.5	56	980	840	870	240	765	327.5	615	915	12	33	36	2470	82	
20	354000	70	135	50	110	300	295	135	2.5	137.5	56	980	840	870	240	765	327.5	615	915	12	33	36	2550	75	
21-26	根据用户要求供货 On request																								

- 1) 当 $d_1 \leq 50$ 时公差为 k6, 当 $d_1 > 50$ 时公差为 m6
2) 不含胀紧盘与润滑油的重量
3) 有关平键(符合 GB/T1095-1979)与中心孔请参 328 页
4) 孔的分布类型见 327 页
5) 当尺寸 ≤ 160 时公差为 h6

- 1) Shaft diameter $d_1 \leq 50$, tolerance k6, shaft diameter $d_1 > 50$, tolerance m6
2) Weight without shrink disk and oil
3) For parallel key (GB/T1095-1979) and centre hole see page 328
4) For hole pattern, see page 327
5) ≤ 160 h6

型号Q2K. 规格9...20 Type Q2K. Sizes 9...20

i_n	额定功率 P_N		Nominal power ratings (kW)										
	n_1	n_2	规格 Sizes										
	r/min		9	10	11	12	13	14	16	17	18	19	20
112	1500	13.4	30.9	43.6	59.0	84	117	164	225	284	343	415	498
	1000	8.9	20.6	29.0	39.4	56	78	110	150	189	229	276	332
	750	6.7	15.5	21.8	29.5	42	58	82	112	142	171	207	249
125	1500	12.0	27.7	39.0	52.9	76	105	147	201	254	307	372	446
	1000	8.0	18.5	26.0	35.3	50	70	98	134	170	205	248	297
	750	6.0	13.9	19.5	26.4	38	52	74	101	127	154	186	223
140	1500	10.7	24.7	34.9	47.2	67	93	132	180	227	274	332	398
	1000	7.1	16.5	23.2	31.5	45	62	88	120	151	183	221	265
	750	5.4	12.4	17.4	23.6	34	47	66	90	114	137	166	199
160	1500	9.4	21.6	30.5	41.3	59	82	115	157	199	240	290	348
	1000	6.3	14.4	20.3	27.5	39	54	77	105	132	160	193	232
	750	4.7	10.8	15.3	20.7	30	41	58	79	99	120	145	174
180	1500	8.3	19.2	27.1	36.7	52	73	102	140	177	213	258	310
	1000	5.6	12.8	18.1	24.5	35	48	68	93	118	142	172	206
	750	4.2	9.6	13.6	18.4	26	36	51	70	88	107	129	155
200	1500	7.5	17.3	24.4	33.1	47	65	92	126	159	192	232	279
	1000	5.0	11.5	16.3	22.0	31	44	61	84	106	128	155	186
	750	3.8	8.7	12.2	16.5	24	33	46	63	79	96	116	139
225	1500	6.7	15.4	21.7	29.4	42	58	82	112	141	171	206	248
	1000	4.4	10.3	14.5	19.6	28	39	55	75	94	114	138	165
	750	3.3	7.7	10.8	14.7	21	29	41	56	71	85	103	124
250	1500	6.0	13.9	19.5	26.4	38	52	74	101	127	154	186	223
	1000	4.0	9.2	13.0	17.6	25	35	49	67	85	102	124	149
	750	3.0	6.9	9.8	13.2	19	26	37	50	64	77	93	111
280	1500	5.4	12.4	17.4	23.6	34	47	66	90	114	137	166	199
	1000	3.6	8.2	11.6	15.7	22	31	44	60	76	91	111	133
	750	2.7	6.2	8.7	11.8	17	23	33	45	57	69	83	100
320	1500	4.7	10.8	15.3	20.7	30	41	58	79	99	120	145	174
	1000	3.1	7.2	10.2	13.8	20	27	38	52	66	80	97	116
	750	2.3	5.4	7.6	10.3	15	20	29	39	50	60	73	87
360	1500	4.2	9.6	13.6	18.4	26	36	51	70	88	107	129	155
	1000	2.8	6.4	9.0	12.2	17	24	34	47	59	71	86	103
	750	2.1	4.8	6.8	9.2	13	18	26	35	44	53	64	77
400	1500	3.8	8.7	12.2	16.5	24	33	46	63	79	96	116	139
	1000	2.5	5.8	8.1	11.0	16	22	31	42	53	64	77	93
	750	1.9	4.3	6.1	8.3	12	16	23	31	40	48	58	70
450	1500	3.3	7.7	10.8	14.7	21	29	41	56	71	85	103	124
	1000	2.2	5.1	7.2	9.8	14	19	27	37	47	57	69	83
	750	1.7	3.8	5.4	7.3	10	15	20	28	35	43	52	62
500	1500	3.0	6.9	9.8	13.2	19	26	37	50	64	77	93	111
	1000	2.0	4.6	6.5	8.8	13	17	25	34	42	51	62	74
	750	1.5	3.5	4.9	6.6	9	13	18	25	32	38	46	56
560	根据用户要求供货 On request												

热功率P _{G1} ^{*)} Thermal capacities P _{G1} ^{*)} (kW)										
安装类型 Settings	规格 Sizes									
	9	10	11	12	13	14	16	17	18	19/20
狭小空间 ¹⁾ Small confined spaces	12	15	18	24	28	38	44	53	58	69
室内大厅大车间 ²⁾ Large halls workshops	17	22	26	35	40	54	62	76	82	98
室 外 ³⁾ In the open	23	29	35	47	54	73	83	102	111	133

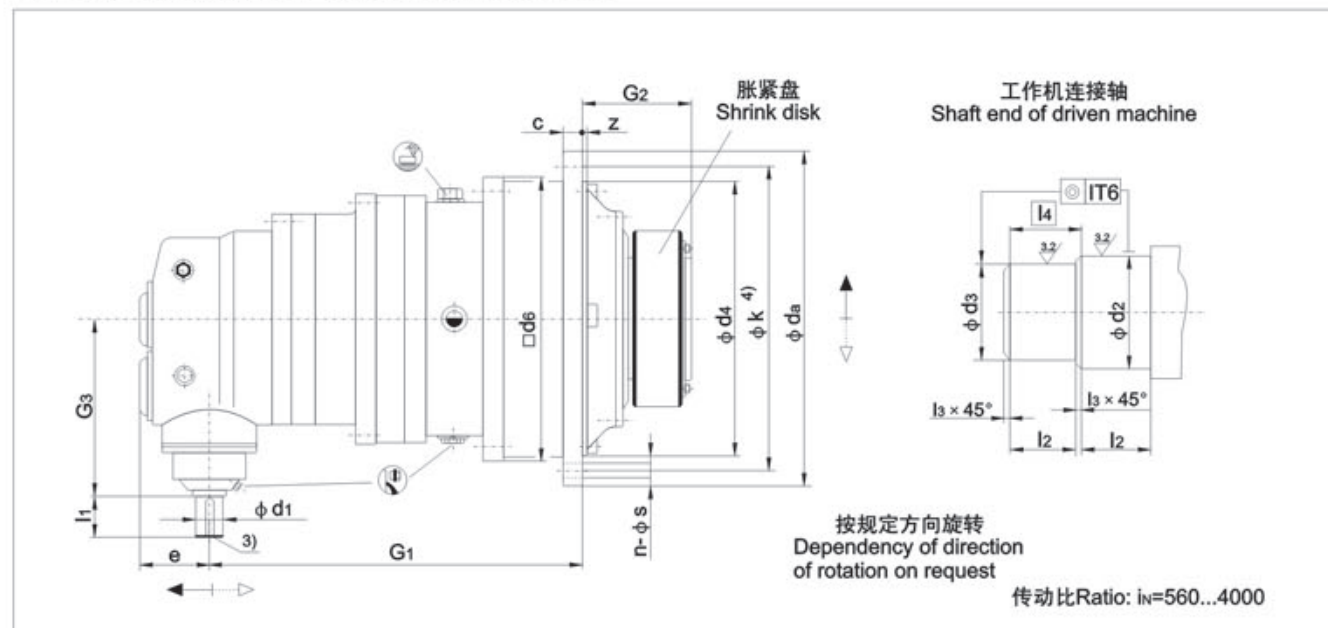
★) 用于水平安装形式, 其它安装形式请与我们联系。

- 1) 风速 ≥ 0.5 m/s
2) 风速 ≥ 1.4 m/s
3) 风速 ≥ 3.7 m/s

★) Values apply to horizontal mounting position, for other mounting positions please refer to us.

- 1) Wind velocity ≥ 0.5 m/s
2) Wind velocity ≥ 1.4 m/s
3) Wind velocity ≥ 3.7 m/s

7、型号Q3KD 规格9...30 Type Q3KD Sizes 9...30



Q3KD 机座号 Size	额定输出 扭矩 output torque T _{2N} (N · m)	输入轴尺寸 Input shaft dimension				工作机连接轴 Shaft end of driven machine					c	d _a	d ₄ h7	d ₆	e	G ₁	G ₂	G ₃	k	Z	法兰孔 Flange bolts			2) 重量 Weight (kg)	油量 Oil quantity (l)
		in≤2000		in≥2240		d ₂ ⁵⁾ g6	d ₃ ⁵⁾ g6	l ₂	l ₃	l ₄											孔径 Dia-meter S	数量 Qty. n			
		d ₁ ¹⁾	l ₁	d ₁ ¹⁾	l ₁																				
9	22000	30	70	25	60	120	115	65	2.5	67.5	24	428	350	356	119	435	165	320	388	6±1.5	18	24	280	7	
10	31000	30	70	25	60	130	125	70	2.5	72.5	28	472	394	400	119	455	174	320	436	8±1.5	18	28	330	9	
11	42000	30	70	25	60	140	135	82.5	2.5	85	32	525	425	436	119	486	204	320	485	8±1.5	22	20	390	15	
12	60000	30	70	25	60	160	155	90	2.5	92.5	34	605	495	510	119	500	224	320	555	9±1.5	26	20	530	20	
13	83000	30	70	25	60	180	175	95	2.5	97.5	39	645	535	554	119	558	241	320	595	11±1.5	26	24	670	21	
14	117000	30	70	25	60	210	205	105	2.5	107.5	42	720	610	629	119	581	278	320	665	9	26	32	940	33	
16	160000	35	80	28	60	230	225	110	2.5	112.5	44	770	660	680	137	693	285	375	715	10	26	36	1137	42	
17	202000	35	80	28	60	250	245	120	2.5	122.5	50	895	750	775	137	719	294	375	830	10	33	24	1660	60	
18	244000	45	100	35	80	260	255	120	2.5	122.5	50	930	785	815	172	817.5	303	445	865	10	33	32	2100	70	
19	295000	45	100	35	80	280	275	135	2.5	137.5	56	980	840	870	172	841	327.5	445	915	12	33	36	2200	85	
20	354000	45	100	35	80	300	295	135	2.5	137.5	56	980	840	870	172	841	327.5	445	915	12	33	36	2300	75	
21	392000	45	100	35	80	310	305	152	2.5	154.5	62	1115	935	960	172	897.5	354	445	1025	24	39	32	2930	115	
22	450000	45	100	35	80	330	325	152	2.5	154.5	62	1115	935	960	172	897.5	354	445	1025	24	39	32	3100	105	
23	513000	55	110	40	100	350	345	164	2.5	166.5	68	1210	1025	1056	194	1003	380	520	1120	28	39	36	3800	155	
24	592000	55	110	40	100	360	355	164	2.5	166.5	68	1210	1025	1056	194	1003	380	520	1120	28	39	36	4300	135	
25	684000	55	110	40	100	380	375	180	2.5	182.5	74	1320	1115	1150	194	1065.5	407	520	1220	29	45	36	5250	195	
26	763000	55	110	40	100	400	395	180	2.5	182.5	74	1320	1115	1150	194	1065.5	407	520	1220	29	45	36	5660	170	
27	852000	70	135	50	110	430	425	191	2.5	193.5	81	1460	1215	1248	240	1205.5	453	615	1345	31	52	32	6680	250	
28	950000	70	135	50	110	450	445	191	2.5	193.5	81	1460	1215	1248	240	1205.5	453	615	1345	31	52	32	7180	220	
29	1060000	70	135	50	110	460	450	197.5	5	202.5	87	1565	1320	1355	240	1252.5	453	615	1450	34	52	36	8500	310	
30	1200000	70	135	50	110	480	470	197.5	5	202.5	87	1565	1320	1355	240	1252.5	483	615	1450	34	52	36	9070	280	
31-36	根据用户要求供货 On request																								

- | | |
|--|--|
| 1) 当 $d_1 \leq 50$ 时公差为 k6, 当 $d_1 > 50$ 时公差为 m6 | 1) Shaft diameter $d_1 \leq 50$, tolerance k6, shaft diameter $d_1 > 50$, tolerance m6 |
| 2) 不含胀紧盘与润滑油的重量 | 2) Weight without shrink disk and oil |
| 3) 有关平键(符合 GB/T1095-1979)与中心孔请参 328 页 | 3) For parallel key (GB/T1095-1979) and centre hole see page 328 |
| 4) 孔的分布类型见 327 页 | 4) For hole pattern, see page 327 |
| 5) 当尺寸 ≤ 160 时公差为 h6 | 5) ≤ 160 h6 |

型号Q3K. 规格9...30 Type Q3K. Sizes 9...30

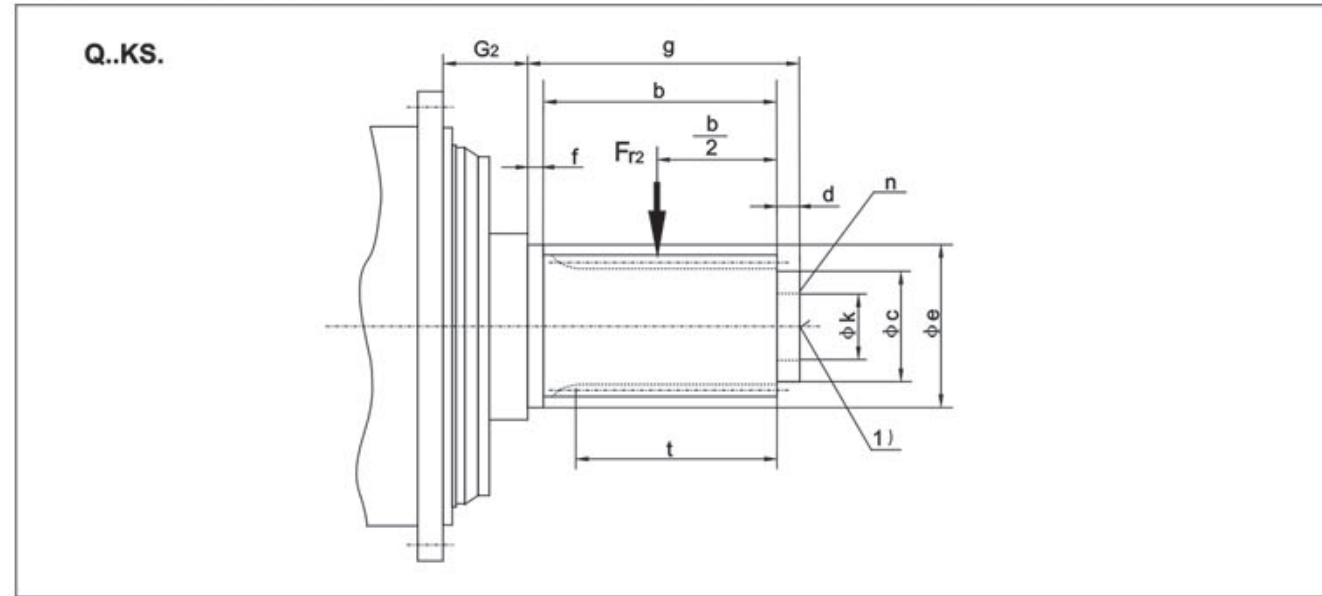
额定功率P _N Nominal power ratings (kW)																										
in	n ₁	n ₂	规格 Sizes																							
	r/min	9	10	11	12	13	14	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31-36			
560	1500	2.68	6.3	9	12	17	24	33	46	58	70	84	101	112	128	146	169	195	218	243	271	303	342			
	1000	1.79	4.2	6	8	11	16	22	30	38	46	56	67	75	86	98	113	130	145	162	181	202	228			
	750	1.34	3.1	4.4	6	9	12	17	23	29	35	42	51	56	64	73	84	98	109	122	136	151	171			
630	1500	2.38	5.6	7.8	11	15	21	30	41	51	62	75	90	99	114	130	150	174	194	216	241	269	304			
	1000	1.59	3.7	5.5	7	10	14	20	27	34	41	50	60	66	76	87	100	116	129	144	161	179	203			
	750	1.19	2.8	3.9	5	8	11	15	20	26	31	37	45	50	57	65	75	87	97	108	121	134	152			
710	1500	2.11	5.0	7	9	14	19	26	36	45	55	66	80	88	101	115	133	154	172	192	214	239	270			
	1000	1.41	3.3	4.5	6	9	12	18	24	30	37	44	53	59	68	77	89	103	115	128	143	159	180			
	750	1.06	2.5	3.5	5	7	9	13	18	23	27	33	40	44	51	58	67	77	86	96	107	119	135			
800	1500	1.88	4.4	6	8	12	17	23	32	40	49	59	71	78	90	102	118	137	152	170	190	212	240			
	1000	1.25	2.9	4	6	8	11	16	21	27	32	39	47	52	60	68	79	91	102	113	127	141	160			
	750	0.94	2.2	3	4	6	8	12	16	20	24	29	35	39	45	51	59	68	76	85	95	106	120			
900	1500	1.67	3.9	5.5	7.5	11	15	21	28	36	43	52	63	70	80	91	105	121	136	151	169	188	213			
	1000	1.11	2.6	3.7	5	7	10	14	19	24	29	35	42	46	53	61	70	81	90	101	112	125	142			
	750	0.83	2.0	2.7	3.7	5	7	10	14	18	22	26	31	35	40	46	53	61	68	76	84	94	107			
1000	1500	1.50	3.5	5	6.7	10	13	19	26	32	39	47	57	63	72	82	95	109	122	136	152	169	192			
	1000	1.00	2.3	3.3	4.5	6	9	12	17	22	26	31	38	42	48	55	63	73	81	91	101	113	128			
	750	0.75	1.8	2.5	3.4	5	7	9	13	16	19	24	28	31	36	41	47	55	61	68	76	85	96			
1120	1500	1.34	3.1	4.4	6	9	12	17	23	29	35	42	51	56	64	73	84	98	109	122	136	151	171			
	1000	0.89	2.1	2.9	4	6	8	11	15	19	23	28	34	37	43	49	56	65	73	81	90	101	114			
	750	0.67	1.6	2.2	3	4.5	6	8	11	14	17	21	25	28	32	37	42	49	54	61	68	76	86			
1250	1500	1.20	2.8	4.0	5.4	8	11	15	20	26	31	38	45	50	58	66	76	87	98	109	121	136	153			
	1000	0.80	1.9	2.6	3.6	5	7	10	14	17	21	25	30	33	38	44	50	58	65	73	81	90	102			
	750	0.60	1.4	2.0	2.7	4	5	7	10	13	16	19	23	25	29	33	38	44	49	54	61	68	77			
1400	1500	1.07	2.5	3.5	4.8	7	9	13	18	23	28	34	40	45	51	59	68	78	87	97	108	121	137			
	1000	0.71	1.7	2.4	3.2	5	6	9	12	15	19	22	27	30	34	39	45	52	58	65	72	81	91			
	750	0.54	1.3	1.8	2.4	3.5	4.5	7	9	12	14	17	20	22	26	29	34	39	44	49	54	61	68			
1600	1500	0.94	2.2	3.1	4.2	6	8	12	16	20	24	29	35	39	45	51	59	68	76	85	95	106	120			
	1000	0.63	1.5	2.1	2.8	4	6	8	11	13	16	20	24	26	30	34	39	46	51	57	63	71	80			
	750	0.47	1.1	1.5	2.1	3	4	6	8	10	12	15	18	20	22	26	30	34	38	43	47	53	60			
1800	1500	0.83	2.0	2.8	3.7	5	7	10	14	18	22	26	31	35	40	46	53	61	68	76	84	94	107			
	1000	0.56	1.3	1.8	2.5	4	5	7	9	12	14	17	21	23	27	30	35	40	45	50	56	63	71			
	750	0.42	1.0	1.4	1.9	2.7	3.7	5.2	7.1	9	11	13	16	17	20	23	26	30	34	38	42	47	53			
2000	1500	0.75	1.8	2.5	3.4	4.8	6.6	9.4	12.8	16	19	24	28	31	36	41	47	55	61	68	76	85	96			
	1000	0.50	1.2	1.7	2.2	3.2	4.4	6.2	8.5	11	13	16	19	21	24	27	32	36	41	45	51	56	64			
	750	0.38	0.9	1.2	1.7	2.4	3.3	4.7	6.4	8	10	12	14	16	18	20	24	27	30	34	38	42	48			
2240	1500	0.67	1.6	2.2	3	4.3	5.9	8.3	11.4	14	17	21	25	28	32	37	42	49	54	61	68	76	86			
	1000	0.45	1.0	1.5	2	2.9	3.9	5.6	7.6	10	12	14	17	19	21	24	28	33	36	41	45	50	57			
	750	0.33	0.8	1.1	1.5	2.1	3.0	4.2	5.7	7.2	8.7	10.5	12.6	14	16	18	21	24	27	30	34	38	43			
2500	1500	0.60	1.4	2.0	2.7	3.8	5.3	7.5	10.2	12.9	16	19	23	25	29	33	38	44	49	54	61	68	77			
	1000	0.40	0.9	1.3	1.8	2.6	3.5	5.0	6.8	8.6	10.4	12.6	15.1	17	19	22	25	29	33	36	40	45	51			
	750	0.30	0.7	1.0	1.3	1.9	2.7	3.7	5.1	6.5	7.8	9.4	11.3	13	14	16	19	22	24	27	30	34	38			
2800	1500	0.54	1.3	1.8	2.4	3.4	4.7	6.7	9.1	12	14	17	20	22	26	29	34	39	44	49	54	61	68			
	1000	0.36	0.8	1.2	1.6	2.3	3.2	4.5	6.1	7.7	9.3	11.2	13.5	15	17	20	23	26	29	32	36	40	46			
	750	0.27	0.3	0.9	1.2	1.7	2.4	3.3	4.6	5.8	7.0	8.4	10.1	11.2	13	15	17	20	22	24	27	30	34			
3150	1500	0.48	1.1	1.6	2.1	3.0	4.2	5.9	8.1	10.2	12	15	18	20	23	26	30	35	39	43	48	54	61			
	1000	0.32	0.7	1.0	1.4	2.0	2.8	4.0	5.4	6.8	8.3	10	12	13.3	15	17	20	23	26	29	32	36	41			
	750	0.24	0.6	0.8	1.1	1.5	2.1	3.0	4.1	5.1	6.2	7.5	9	9.9	11	13	15	17	19	22	24	27	30			
3550	1500	0.42	1.0	1.4	1.9	2.7	3.7	5.3	7.2	9.1	11	13	16	18	20	23	27	31	34	38	43	48	54			
	1000	0.28	0.7	0.9	1.3	1.8	2.5	3.5	4.8	6.1	7.3	8.9	10.6	11.8	14	15	18	21	23	26	29	32	36			
	750	0.21	0.5	0.7	0.9	1.4	1.9	2.6	3.6	4.5	5.5	6.6	8	8.8	10	12	13	15	17	19	21	24	27			
4000	1500	0.38	0.9	1.2	1.7	2.4	3.3	4.7	6.4	8.1	9.7	12	14	16	18	20	24	27	30	34	38	42	48			
	1000	0.25	0.6	0.8	1.1	1.6	4.2	3.1	4.3	5.4	6.5	7.9	9.4	10.4	12	14	16	18	20	23	25	28	32			
	750	0.19	0.4	0.6	0.8	1.2	1.7	2.3	3.2	4	4.9	5.9	7.1	7.8	9	10	12	14	15	17	19	21	24			

根据用户要求供货
On request

热功率P _{G1} ^{*)} Thermal capacities P _{G1} ^{*)} (kW)																
安装类型 Settings	规格 Sizes															
	9	10	11	12	13	14	16	17	18	19/20	21/22	23/24	25/26	27/28	29/30	31-36
狭小空间 ¹⁾ Small confined spaces	10	12	15	20	23	31	35	43	47	56	67	82	95	109	125	根据用户要求供货 On request
室内大厅、大车间 ²⁾ Large halls workshops	14	17	21	28	33	44	50	61	66	79	95	116	106	125	144	
室外 ³⁾ In the open	19	24	28	38	44	59	67	83	90	107	128	157	166	195	225	

- ★) 用于水平安装形式，其它安装形式请与我们联系。
1) 风速 $\geq 0.5\text{m/s}$
2) 风速 $\geq 1.4\text{m/s}$
3) 风速 $\geq 3.7\text{m/s}$

4.规格9...30 渐开线花键实心输出轴 Sizes 9...30 Solid Output Shaft with Involute Splines

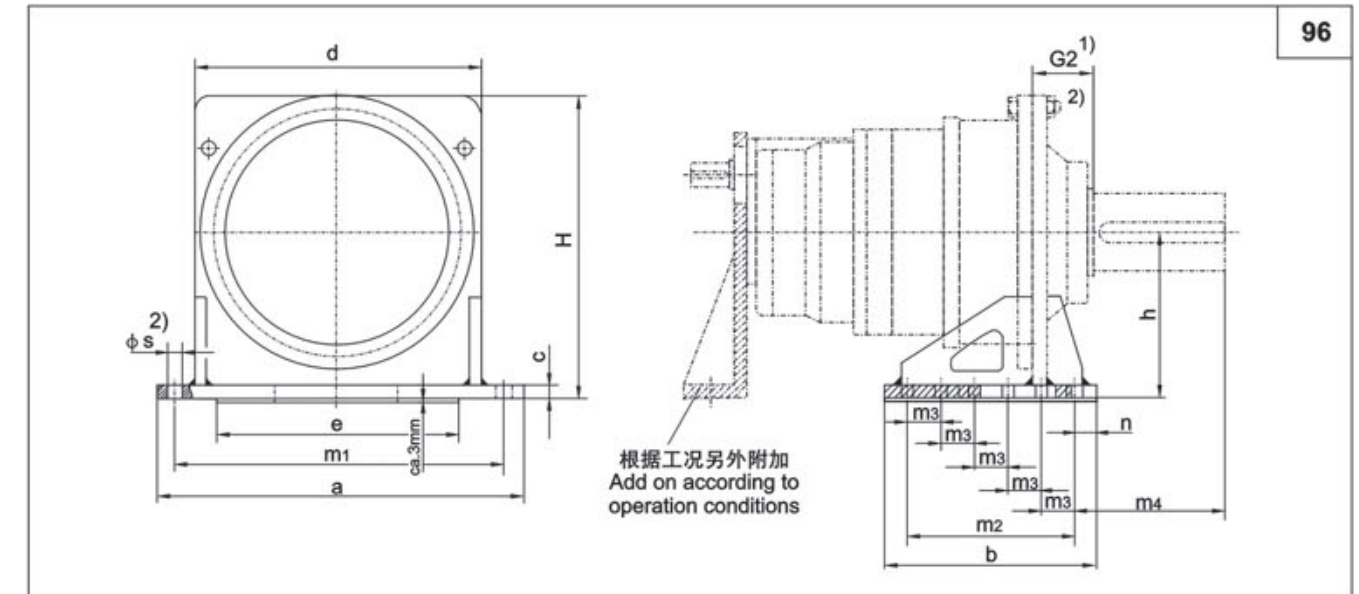


机座号 Size	输出扭矩 Output torque T2N(N.m)	渐开线花键实心输出轴 Solid output shaft with involute splines														G2	Fr2
		外花键规格 Involute splines acc. to		t	b	c k6	d	e k6	f	g	k	n					
		DIN 5480	GB/T3478.1														
9	22000	130×5×30×24×8m	25z×5m×30p×5h	70	80	110	20	132	20	120	80	3×M16×24	95	见305页 See page 305			
10	31000	140×5×30×26×8m	27z×5m×30p×5h	80	90	120	20	142	20	130	90	3×M16×24	95				
11	42000	160×5×30×30×8m	31z×5m×30p×5h	90	100	140	25	162	25	150	110	3×M16×24	109				
12	60000	180×5×30×34×8m	35z×5m×30p×5h	100	110	90	25	182	25	160	130	3×M16×24	112				
13	83000	200×5×30×38×8m	39z×5m×30p×5h	110	120	100	30	202	25	175	140	3×M16×24	118				
14	117000	220×5×30×42×8m	43z×5m×30p×5h	125	135	120	30	222	30	195	160	3×M16×24	139				
16	160000	250×8×30×30×8m	30z×8m×30p×5h	140	155	140	35	252	30	220	180	3×M20×30	142				
17	202000	260×8×30×31×8m	31z×8m×30p×5h	150	165	155	40	262	35	240	200	3×M20×30	139				
18	244000	280×8×30×34×8m	34z×8m×30p×5h	160	175	170	40	282	35	250	215	3×M20×30	142				
19	295000	300×8×30×36×8m	36z×8m×30p×5h	170	185	180	40	302	35	260	225	3×M20×30	148.5				
20	354000	310×8×30×37×8m	37z×8m×30p×5h	180	195	190	40	312	35	270	235	6×M20×30	148.5				
21	392000	320×8×30×38×8m	39z×8m×30p×5h	190	205	200	40	322	35	280	250	6×M20×30	158				
22	450000	340×8×30×41×8m	41z×8m×30p×5h	200	215	210	40	342	35	290	265	6×M20×30	158				
23	513000	360×8×30×44×8m	44z×8m×30p×5h	200	215	230	40	362	35	290	275	6×M20×30	175				
24	592000	380×8×30×46×8m	46z×8m×30p×5h	220	235	245	40	382	35	310	290	6×M20×30	175				
25	684000	400×8×30×48×8m	49z×8m×30p×5h	230	245	260	40	402	35	320	310	6×M24×36	182				
26	763000	420×8×30×51×8m	51z×8m×30p×5h	240	255	280	40	422	35	330	330	6×M24×36	182				
27-30	根据用户要求供货 On request																

1) 有关 中心孔请参照328页 1) For centre hole see page 328

十、Q系列行星减速器附件 Q Series Planetary gear units Add-on Piece

1、附件 Add-on Piece 96 齿轮箱底座 Gear Housing Base



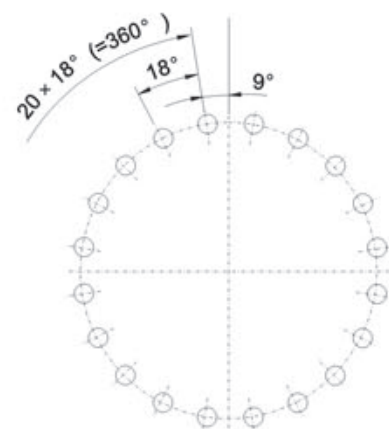
尺寸 Dimensions															
机座号 Size	a	b	c	d	e	h	H	m1	m2	m3	m4	n	螺栓孔 Foundation bolt		重量 Weight
													s	数量 Qty.	
9	580	330	20	450	380	260	480	520	260	130	240	35	26	2×3	56
10	630	360	25	500	430	280	525	570	290	145	240	35	26	2×3	82
11	680	400	30	550	480	315	585	620	330	110	274	35	26	2×4	122
12	760	450	30	630	560	360	670	700	380	95	292	35	26	2×5	157
13	820	490	35	680	610	390	720	750	420	105	334	35	26	2×5	213
14	920	560	35	760	680	430	800	840	480	120	380	40	33	2×5	270
16	980	580	40	820	700	470	865	900	500	125	374	40	33	2×5	350
17	1130	670	45	940	810	540	998	1040	580	145	405	45	39	2×5	520
18	1180	720	45	980	830	560	1035	1080	620	155	393	50	39	2×5	580
19	1260	760	50	1050	880	590	1090	1160	640	160	450	60	45	2×5	720
20	1260	760	50	1050	880	590	1090	1160	640	160	500	60	45	2×5	720
21	1440	840	55	1170	1020	660	1228	1320	700	175	513	70	52	2×5	940
22	1440	840	55	1170	1020	660	1228	1320	700	175	513	70	52	2×5	940
23	1540	910	60	1270	1100	730	1345	1420	750	150	567	80	52	2×6	1275
24	1540	910	60	1270	1100	730	1345	1420	750	150	607	80	52	2×6	1275
25	1700	1000	65	1400	1240	795	1465	1550	860	215	574	70	62	2×5	1670
26	1700	1000	65	1400	1240	795	1465	1550	860	215	634	70	62	2×5	1670
27	1850	1100	70	1550	1370	870	1610	1700	950	190	664	75	62	2×6	2170
28	1850	1100	70	1550	1370	870	1610	1700	950	190	724	75	62	2×6	2170
29	1980	1180	75	1640	1460	925	1715	1820	1000	250	731	90	70	2×5	2650
30	1980	1180	75	1640	1460	925	1715	1820	1000	250	771	90	70	2×5	2650
31	2150	1300	75	1750	1570	1000	1845	1950	1100	220	773	100	70	2×6	3100
32	2150	1300	75	1750	1570	1000	1845	1950	1100	220	883	100	70	2×6	3100
33	2230	1350	85	1850	1630	1050	1940	2050	1150	230	883	100	78	2×6	3850
34	2230	1350	85	1850	1630	1050	1940	2050	1150	230	933	100	78	2×6	3850
35+36	根据用户要求供货 On request														

1) 输出轴的尺寸, 见334页
2) 见 340页

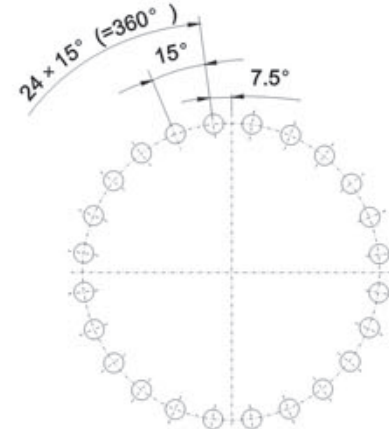
1) For output shaft dimintions, see page 334
2) See page 340

七、输出法兰孔布置形式 Hole Patterns on Output Flange

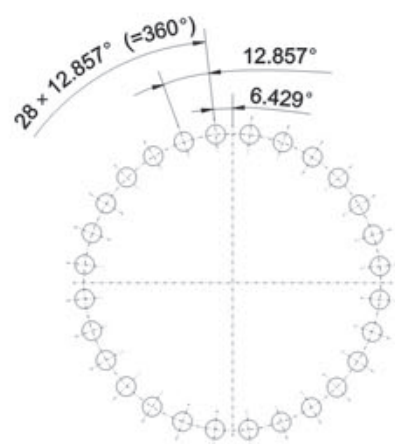
从输入端看
Viewing on input shaft



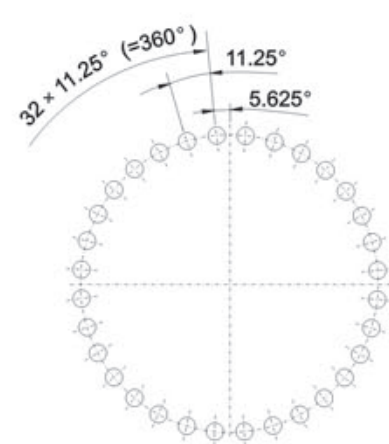
规格 Size:11、12



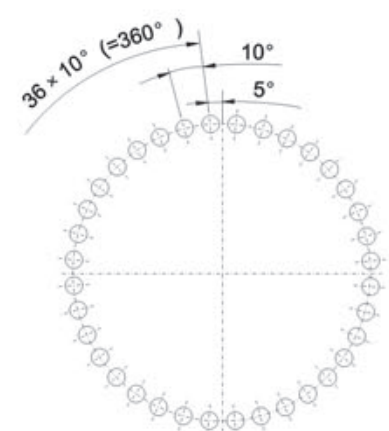
规格 Size:9、13、17



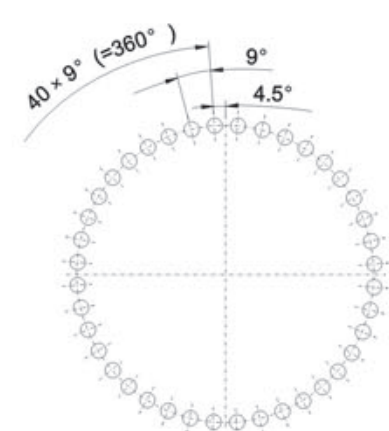
规格 Size:10



规格 Size:14、18、21、22、27、28、31、32



规格 Size:16、19、20、23、24、25、26、29、30、33、34

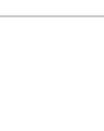
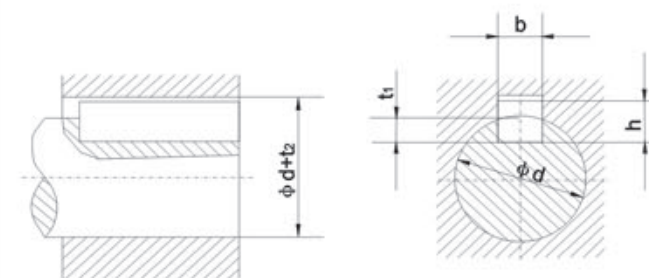


规格 Size: 35、36

八、轴端螺纹孔、平键和键槽 Centre Holes in Shaft Ends, Parallel Key and Keyway

	轴端螺纹孔					Centre holes in shaft end						mm
轴径 ϕd Diameter	$\geq 16-21$	$> 21-24$	$> 24-30$	$> 30-38$	$> 38-50$	$> 50-85$	$> 85-130$	$> 130-225$	$> 225-320$	$> 320-500$	$> 500-710$	
螺孔尺寸 Screw	M6	M8	M10	M12	M16	M20	M24	M30	M36	M42	M48	

平键和键槽 Paralle key and keyway					mm
平键紧固采用无锥度联接 平键和键槽根据GB/T1095-1979标准确定 Drive type fastening without taper action. Parallel key and keyway acc. to GB/T1095-1979					
直径 Diameter d	宽度 Width b	高度 Height h	轴键槽深度 Depth of keyway in shaft t_1	轮毂键槽深度 Depth of key way in hub $d+t_2$	
$> 8-10$	3	3	1.8	$d+1.4$	
$> 10-12$	4	4	2.5	$d+1.8$	
$> 12-17$	5	5	3	$d+2.3$	
$> 17-22$	6	6	3.5	$d+2.8$	
$> 22-30$	8	7	4	$d+3.3$	
$> 30-38$	10	8	5	$d+3.3$	
$> 38-44$	12	8	5	$d+3.3$	
$> 44-50$	14	9	5.5	$d+3.8$	
$> 50-58$	16	10	6	$d+4.3$	
$> 58-65$	18	11	7	$d+4.4$	
$> 65-75$	20	12	7.5	$d+4.9$	
$> 75-85$	22	14	9	$d+5.4$	
$> 85-95$	25	14	9	$d+5.4$	
$> 95-110$	28	16	10	$d+6.4$	
$> 110-130$	32	18	11	$d+7.4$	
$> 130-150$	36	20	12	$d+8.4$	
$> 150-170$	40	22	13	$d+9.4$	
$> 170-200$	45	25	15	$d+10.4$	
$> 200-230$	50	28	17	$d+11.4$	
$> 230-260$	56	32	20	$d+12.4$	
$> 260-290$	63	32	20	$d+12.4$	
$> 290-330$	70	36	22	$d+14.4$	
$> 330-380$	80	40	25	$d+15.4$	
$> 380-440$	90	45	28	$d+17.4$	
$> 440-500$	100	50	31	$d+19.5$	



九、Q系列行星减速器实际传动比 Q Series Planetary gear units actual ratios

1、型号Q2N.Q2S. 实际传动比 Types Q2N.Q2S. Actual ratios

规格Size Q2N.	实际传动比 Actual Ratios					
	25	28	31.5	35.5	40	
9	25.634	28.058	31.142	35.201	40.781	
10	25.634	28.058	31.142	35.201	40.781	
11	25.875	28.233	31.207	35.072	40.302	
12	24.983	27.260	30.130	33.863	38.912	
13	24.958	27.318	30.321	34.272	39.706	
14	24.958	27.318	30.321	34.272	39.706	
16	24.750	27.090	30.068	33.987	39.375	
17	24.750	27.090	30.068	33.987	39.375	
18	24.958	27.318	30.321	34.272	39.706	
19/20	26.622	29.139	32.342	36.557	42.353	
21/22	26.622	29.139	32.342	36.557	42.353	
23/24	26.872	29.321	32.409	36.424	41.855	
25/26	26.872	29.321	32.409	36.424	41.855	
27/28	26.622	29.139	32.342	36.557	42.353	
29/30	26.622	29.139	32.342	36.557	42.353	
31/32	26.872	29.321	32.409	36.424	41.855	
33/34	26.622	29.139	32.342	36.557	42.353	
35/36	26.872	29.321	32.409	36.424	41.855	

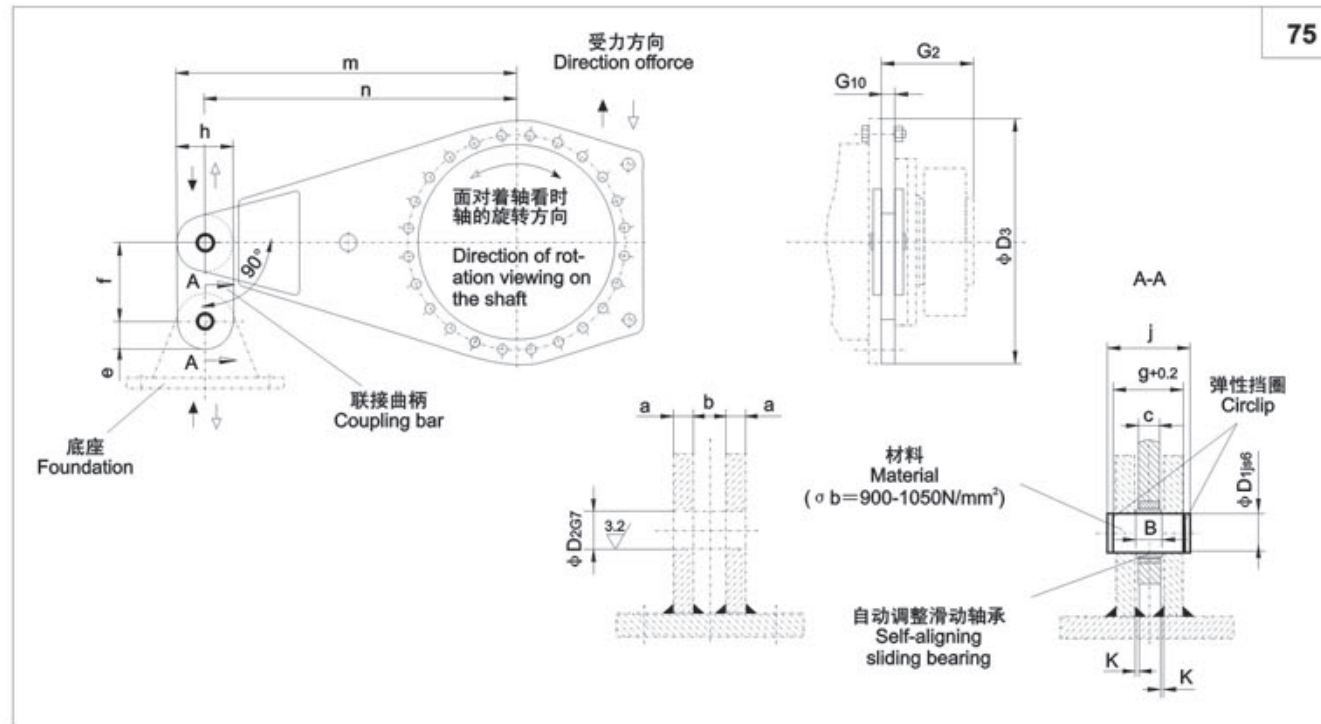
2、型号Q3N.Q3S. 实际传动比 Types Q3N.Q3S. Actual ratios

规格Size Q3N.	实际传动比 Actual Ratios							
	140	160	180	200	225	250	280	
9	146.81	165.95	192.25	210.43	233.57	264.01	305.86	
10	146.81	165.95	192.25	210.43	233.57	264.01	305.86	
11	147.12	165.34	189.99	207.96	230.82	260.90	302.26	
12	142.04	159.64	183.44	200.79	222.86	251.90	291.84	
13	142.94	161.57	187.19	204.88	227.41	257.04	297.79	
14	142.94	161.57	187.19	204.88	227.41	257.04	297.79	
16	143.08	161.73	187.37	204.45	225.98	253.97	291.84	
17	143.08	161.73	187.37	204.45	225.98	253.97	291.84	
18	142.94	161.57	187.19	204.88	227.41	257.04	297.79	
19/20	152.47	172.34	199.66	218.54	242.57	274.18	317.65	
21/22	152.47	172.34	199.66	218.54	242.57	274.18	317.65	
23/24	152.79	171.71	197.32	215.97	239.71	270.95	313.91	
25/26	152.79	171.71	197.32	215.97	239.71	270.95	313.91	
27/28	152.47	172.34	199.66	218.54	242.57	274.18	317.65	
29/30	152.47	172.34	199.66	218.54	242.57	274.18	317.65	
31/32	152.79	171.71	197.32	215.97	239.71	270.95	313.91	
33/34	153.90	173.96	201.54	219.91	243.07	273.18	313.91	
35/36	154.22	173.33	199.17	217.32	240.21	269.69	310.22	

规格Size Q2S.	实际传动比 Actual Ratios										
	45	50	56	63	71	80	90	100	112	125	
9	45.601	51.544	59.715	61.953	71.775	78.782	91.272	99.735	115.55	124.74	
10	45.601	51.544	59.715	61.953	71.775	78.782	91.272	99.735	115.55	124.74	
11	43.209	48.561	55.802	63.399	72.853	81.303	93.426	99.678	114.54	123.14	
12	41.719	46.887	53.878	61.213	70.340	78.499	90.205	96.241	110.59	118.90	
13	43.797	49.505	57.353	59.977	69.485	78.827	91.324	95.963	111.18	119.12	
14	43.797	49.505	57.353	59.977	69.485	78.827	91.324	95.963	111.18	119.12	
16	42.318	47.833	55.417	61.438	71.178	78.788	91.278	96.594	111.91	120.59	
17	42.318	47.833	55.417	61.438	71.178	78.788	91.278	96.594	111.91	120.59	
18	42.867	48.454	56.136	60.320	69.882	78.976	91.496	95.963	111.18	119.12	
19/20	45.725	51.684	59.878	64.341	74.541	84.241	97.596	102.36	118.59	127.06	
21/22	46.357	52.399	60.706	66.084	76.561	84.746	98.182	103.90	120.37	129.41	
23/24	45.373	50.993	58.597	64.442	74.051	82.781	95.124	101.60	116.75	125.56	
25/26	45.373	50.993	58.597	64.442	74.051	82.781	95.124	101.60	116.75	125.56	
27/28	46.948	53.067	61.480	66.345	76.863	84.241	97.596	102.36	118.59	127.06	
29/30	46.948	53.067	61.480	66.345	76.863	84.241	97.596	102.36	118.59	127.06	
31/32	45.575	51.221	58.858	66.102	75.958	83.932	96.448	104.30	119.86	127.56	
33/34	45.481	51.409	59.559	66.345	76.863	84.241	97.596	104.69	121.28	129.08	
35/36	45.373	50.993	58.597	65.562	75.338	81.252	93.368	100.53	115.52	129.20	

规格Size Q3S.	实际传动比 Actual Ratios											
	280	315	355	400	450	500	560	630	710	800	900	
9	295.21	333.68	386.58	401.07	464.65	510.01	590.87	645.65	748.01	807.55	935.57	
10	295.21	333.68	386.58	401.07	464.65	510.01	590.87	645.65	748.01	807.55	935.57	
11	295.82	332.46	382.03	399.60	459.18	508.15	583.92	643.29	739.21	798.04	924.56	
12	285.62	320.99	368.86	385.82	443.35	490.62	563.78	621.11	713.72	770.53	892.68	
13	287.42	324.88	376.39	390.49	452.40	496.56	575.29	628.63	728.29	786.25	910.90	
14	287.42	324.88	376.39	390.49	452.40	496.56	575.29	628.63	728.29	786.25	910.90	
16	268.53	303.53	351.65	396.27	459.10	508.18	588.75	623.03	721.81	776.02	891.73	
17	268.53	303.53	351.65	396.27	459.10	508.18	588.75	623.03	721.81	776.02	891.73	
18	283.53	320.48	371.29	388.27	449.83	510.30	591.20	621.23	719.72	771.13	893.38	
19/20	302.43	341.84	396.04	414.16	479.82	544.32	630.61	662.65	767.70	822.54	952.94	
21/22	302.43	341.84	396.04	414.16	479.82	544.32	630.61	662.65	767.70	822.54	952.94	
23/24	295.28	331.86	381.34	426.24	489.80	546.62	628.12	670.15	770.08	829.80	961.35	
25/26	295.28	331.86	381.34	426.24	489.80	546.62	628.12	670.15	770.08	829.80	961.35	
27/28	296.01	334.59	387.63	416.52	482.56	545.35	631.81	662.65	767.70	822.54	952.94	
29/30	296.01	334.59	387.63	416.52	485.56	545.35	631.81	662.65	767.70	822.54	952.94	
31/32	300.72	337.97	388.37	426.24	489.80	546.61	628.12	670.15	770.08	827.92	959.17	
33/34	292.05	330.11	382.45	417.18	483.31	535.90	620.86	657.71	762.02	819.53	941.73	
35/36	292.66	328.90	377.95	415.65	477.63	533.94	613.55	655.34	753.05	809.89	930.65	

2、附件 Add-on Piece 75 单侧扭矩支撑臂 Torque Reaction Arm on One Side

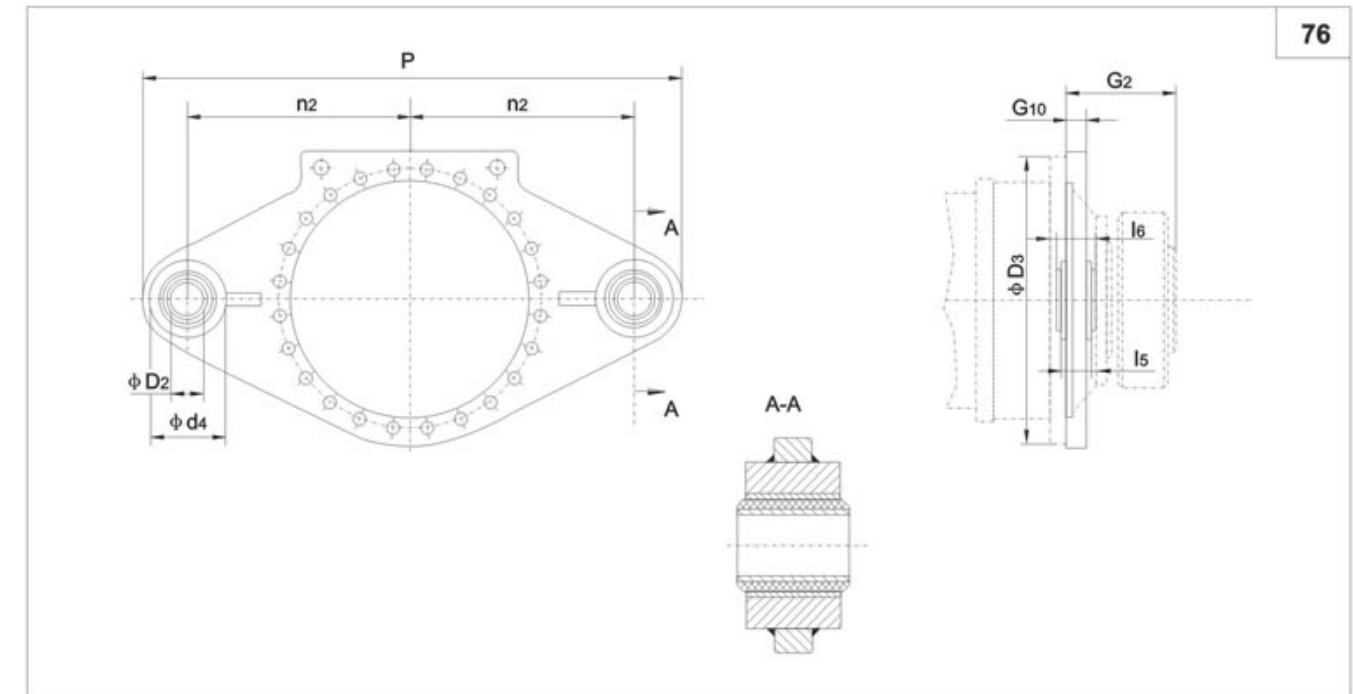


机座号 Size	输出扭矩 Output torque T _{2N} (N.m)	D1 js6	D2 G7	D3	G2	G10	a min	b	B 1)	c	e	f	g +0.2	h	j	间隙 Clear- ance k	m	n	滑动 轴承 内径 Sliding bearing	重量 Wei- ght
9	22000	30		440	165	25	15	25	22	18	50	140	59.5	100	70	3.5	605	555	30	38
10	31000	35		485	174	30	15	30	25	20	52.5	140	64.5	105	75	5	667.5	615	35	51
11	42000	40		540	204	30	18	30	28	22	65	160	70.5	130	85	4	750	685	40	82
12	60000	40		620	224	30	18	30	28	22	65	160	70.5	130	85	4	850	785	40	85
13	83000	45		665	241	35	20	35	32	25	72.5	180	79.5	145	95	5	912.5	840	45	113
14	117000	50		740	278	40	20	40	35	30	72.5	200	85	145	100	5	1012.5	940	50	145
16	160000	60		790	285	50	25	50	44	35	77.5	240	105	155	120	7.5	1077.5	1000	60	206
17	202000	60		915	294	50	25	50	44	35	85	240	105	170	120	7.5	1250	1165	60	274
18	244000	70		955	303	55	30	55	49	40	105	280	120	210	135	7.5	1315	1210	70	365
19	295000	80		1005	327.5	60	30	60	55	45	105	320	125	210	145	7.5	1405	1300	80	423
20	354000	80		1005	327.5	60	30	60	55	45	105	320	125	210	145	7.5	1405	1300	80	423
21	392000	80		1140	354	60	30	60	55	45	113	320	125	225	145	7.5	1562.5	1450	80	530
22	450000	80		1140	354	60	30	60	55	45	113	320	125	225	145	7.5	1562.5	1450	80	530
23	513000	90		1235	380	65	30	65	60	50	125	360	130	250	150	7.5	1700	1575	90	665
24	592000	90		1235	380	65	30	65	60	50	125	360	130	250	150	7.5	1700	1575	90	665
25	684000	100		1350	407	75	35	75	70	55	138	400	150	275	170	10	1857.5	1720	100	940
26	763000	100		1350	407	75	35	75	70	55	138	400	150	275	170	10	1857.5	1720	100	940
27	852000	110		1490	453	75	35	75	70	55	150	440	150	300	175	10	2050	1900	110	1120
28	950000	110		1490	453	75	35	75	70	55	150	440	150	300	175	10	2050	1900	110	1120
29	1060000	110		1600	483	75	35	75	70	55	158	440	150	315	175	10	2192.5	2035	110	1260
30	1200000	110		1600	483	75	35	75	70	55	158	440	150	315	175	10	2192.5	2035	110	1260
31-36	根据用户要求供货 On request																			

1) 公称尺寸B=22-35, 公差-0.12
公称尺寸B=44-55, 公差-0.15
公称尺寸B=60-70, 公差-0.20

1) Nominal size B=22-35, tolerance-0.12
Nominal size B=44-55, tolerance-0.15
Nominal size B=60-70, tolerance-0.20

3、附件 Add-on Piece 76 带橡胶衬套的两侧扭矩支撑臂 Torque Reaction Arm on Two Sides with Rubber Bushes



机座号 Size	输出扭矩 Output torque T _{2N} (N.m)	*) D ₂ H9	D ₃	D ₄	G ₂	G ₁₀	l ₅	l ₆	n ₂	P	重量 Weight
9	22000	50	440	115	165	30	100	110	500	1140	58
10	31000	50	485	115	174	30	100	110	550	1240	72
11	42000	100	540	180	204	30	110	120	575	1355	95
12	60000	100	620	180	224	35	110	120	625	1455	120
13	83000	110	665	210	241	35	170	180	600	1435	145
14	117000	110	740	210	278	40	170	180	650	1535	170
16	160000	124	790	240	285	40	220	230	700	1670	230
17	202000	124	915	240	288	40	220	230	750	1770	300
18	244000	124	955	240	303	50	220	230	900	2070	400

*) 销轴: φ h8 *) Pin: φ h8

3、型号Q2L.Q2K.Q3K. 实际传动比 Types Q2L.Q2K.Q3K. Actual ratios

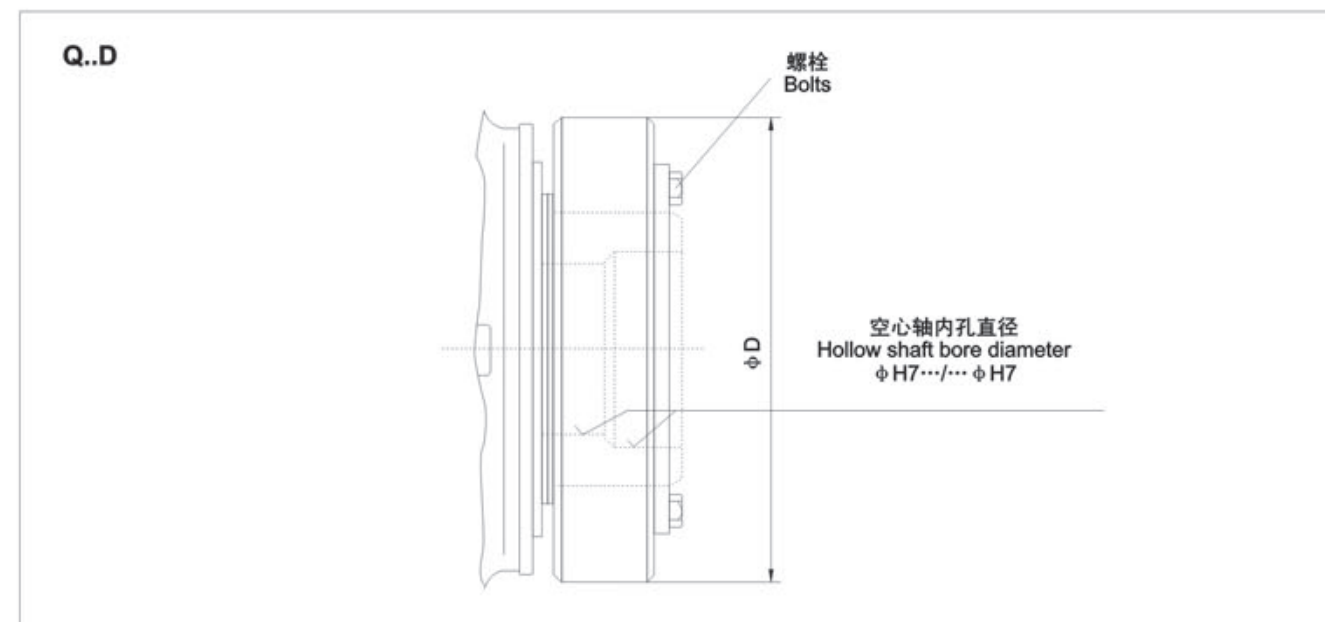
规格Size Q2L.	实际传动比 Actual Ratios											
	31.5	35.5	40	45	50	56	63	71	80	90	100	
9	32.5354	35.6114	39.5264	43.8820	50.4205	55.7279	60.4522	69.6116	79.0529	86.2395	98.2172	
10	32.5354	35.6114	39.5264	43.8820	50.4205	55.7279	60.4522	69.6116	79.0529	86.2395	98.2172	
11	32.8413	35.8344	39.6083	43.4178	50.5248	55.8432	60.5774	69.7558	79.9667	86.4181	98.4206	
12	31.7089	34.5987	38.2425	41.9206	48.7826	53.9176	58.4885	67.3504	77.2092	83.4381	95.0268	
13	31.6775	34.6724	38.4842	42.1855	49.0910	54.2584	62.3262	67.7760	77.6972	83.9655	95.6273	
14	31.6775	34.6724	38.4842	42.1855	49.0910	54.2584	62.3262	67.7760	77.6972	83.9655	95.6273	
16	31.4135	34.3835	38.1635	41.8340	48.6818	53.8062	61.8068	67.2113	77.0497	83.2657	94.8304	
17	31.4135	34.3835	38.1635	41.8340	48.6818	53.8062	61.8068	67.2113	77.0497	83.2657	94.8304	
18	31.4286	34.4000	38.1818	43.1490	49.0910	54.8663	62.3262	67.7760	77.6972	83.9655	95.6273	
19/20	33.5238	36.6933	40.7273	46.0255	52.3636	58.5241	66.4813	72.2944	82.8770	89.5631	102.0025	
21/22	33.5238	36.3933	40.7273	46.0255	52.3636	58.5241	66.4813	72.2944	82.8770	89.5631	102.0025	
23/24	33.8391	36.9231	40.8116	46.1208	52.4720	58.6452	66.6189	72.4441	83.0486	89.7486	102.2137	
25/26	33.8391	36.9231	40.8116	46.1208	52.1366	58.6452	66.6189	72.4441	83.0486	89.7486	102.2137	
27/28	33.5238	36.6933	40.7273	46.0255	52.0288	58.5241	66.4813	72.2944	82.8770	89.5631	102.0025	
29/30	33.5238	36.6933	40.7273	46.0255	52.0288	58.5241	66.4813	72.2944	82.8770	89.5631	102.0025	

规格Size Q2K.	实际传动比 Actual Ratios														
	112	125	140	160	180	200	225	250	280	320	360	400	450	500	
9	111.25	125.75	145.69	157.28	175.77	203.53	223.22	242.15	278.84	316.65	345.44	393.42	442.27	487.63	
10	111.25	125.75	145.69	157.28	175.77	203.53	223.22	242.15	278.84	316.65	345.44	393.42	442.27	487.63	
11	111.83	125.68	144.42	155.27	173.52	200.92	220.36	239.04	275.26	312.60	341.01	388.38	436.6	481.38	
12	107.76	121.35	139.44	149.91	167.54	193.99	212.76	230.80	265.77	301.82	329.25	374.98	421.54	464.78	
13	107.76	121.80	141.11	151.19	167.85	192.86	213.16	231.23	266.26	302.38	329.86	375.68	422.33	465.64	
14	107.76	121.80	141.11	151.19	167.85	192.86	213.16	231.23	266.26	302.38	329.86	375.68	422.33	465.64	
16	108.47	122.60	142.04	153.05	167.77	195.23	215.79	234.08	269.55	309.00	333.93	380.31	427.53	471.38	
17	108.47	122.60	142.04	153.05	167.77	195.23	215.79	234.08	269.55	309.00	333.93	380.31	427.53	471.38	
18	107.76	121.80	141.11	151.19	165.73	192.86	213.16	244.85	266.26	305.24	329.86	375.68	422.33	465.64	
19/20	114.94	129.92	150.52	161.27	176.78	205.71	227.37	261.18	284.01	325.59	351.86	400.72	450.48	496.68	

规格Size Q3K.	实际传动比 Actual Ratios																	
	560	630	710	800	900	1000	1120	1250	1400	1600	1800	2000	2240	2500	2800	3150	3550	4000
9	566.22	640.02	700.53	777.54	878.88		1137.3	1247.3	1353.1	1558.1	1769.4	1930.3	2198.4	2471.3	2724.8	3105.0	3597.2	4167.5
10	566.22	640.02	700.53	777.54	878.88		1137.3	1247.3	1353.1	1558.1	1769.4	1930.3	2198.4	2471.3	2724.8	3105.0	3597.2	4167.5
11	567.40	637.68	697.96	774.70	875.66		1133.1	1242.8	1348.1	1552.4	1762.9	1923.2	2190.3	2462.3	2714.8	3093.6	3584.1	4118.5
12	547.83	615.69	673.90	747.98	845.46		1094.0	1199.9	1301.6	1498.9	1702.1	1856.9	2114.8	2377.4	2621.2	2987.0	3460.5	3976.5
13	551.29	623.14	682.06	757.04	855.70	956.29	1107.3	1214.4	1317.4	1517.0	1722.8	1879.4	2140.4	2406.2	2652.9	3023.1	3502.4	4057.6
14	551.29	623.14	682.06	757.04	855.70	956.29	1107.3	1214.4	1317.4	1517.0	1722.8	1897.4	2140.4	2406.2	2652.9	3023.1	3502.4	4057.6
16	551.25	623.09	679.88	751.48	844.56	943.84	1092.9	1198.6	1300.2	1497.3	1700.3	1854.9	2112.5	2374.8	2618.4	2983.8	3428.7	3972.2
17	551.25	623.09	679.88	751.48	844.56	943.84	1092.9	1198.6	1300.2	1497.3	1700.3	1854.9	2112.5	2374.8	2618.4	2983.8	3428.7	3972.2
18	544.28	615.21	673.37	747.40	844.81	937.90	1077.6	1191.1	1292.1	1487.8	1689.6	1843.2	2099.2	2359.9	2601.9	2965.0	3435.0	3979.6
19/20	580.56	656.22	718.27	797.23	901.13	1000.4	1149.5	1270.5	1378.2	1587.0	1802.3	1966.1	2239.2	2517.2	2775.4	3162.6	3664.0	4244.9
21/22	580.56	656.22	718.27	797.23	901.13	1000.4	1149.5	1270.5	1378.2	1587.0	1802.3	1966.1	2239.2	2517.2	2775.4	3162.6	3664.0	4244.9
23/24	593.88	667.44	730.55	810.86	916.54	1004.7	1169.1	1292.2	1401.8	1614.2	1850.4	1999.7	2277.5	2560.2	2822.8	3216.7	3726.7	4282.4
25/26	593.88	667.44	730.55	810.86	916.54	1004.7	1169.1	1292.2	1401.8	1614.2	1850.4	1999.7	2277.5	2560.2	2822.8	3216.7	3726.7	4282.4
27/28	580.56	656.22	718.27	797.23	901.13	987.80	1149.5	1270.5	1459.4	1587.0	1819.3	1966.1	2239.2	2517.2	2775.4	3126.6	3664.0	4244.9
29/30	580.56	656.22	718.27	797.23	901.13	987.80	1149.5	1270.5	1459.4	1587.0	1819.3	1966.1	2239.2	2517.2	2775.4	3126.6	3664.0	4244.9

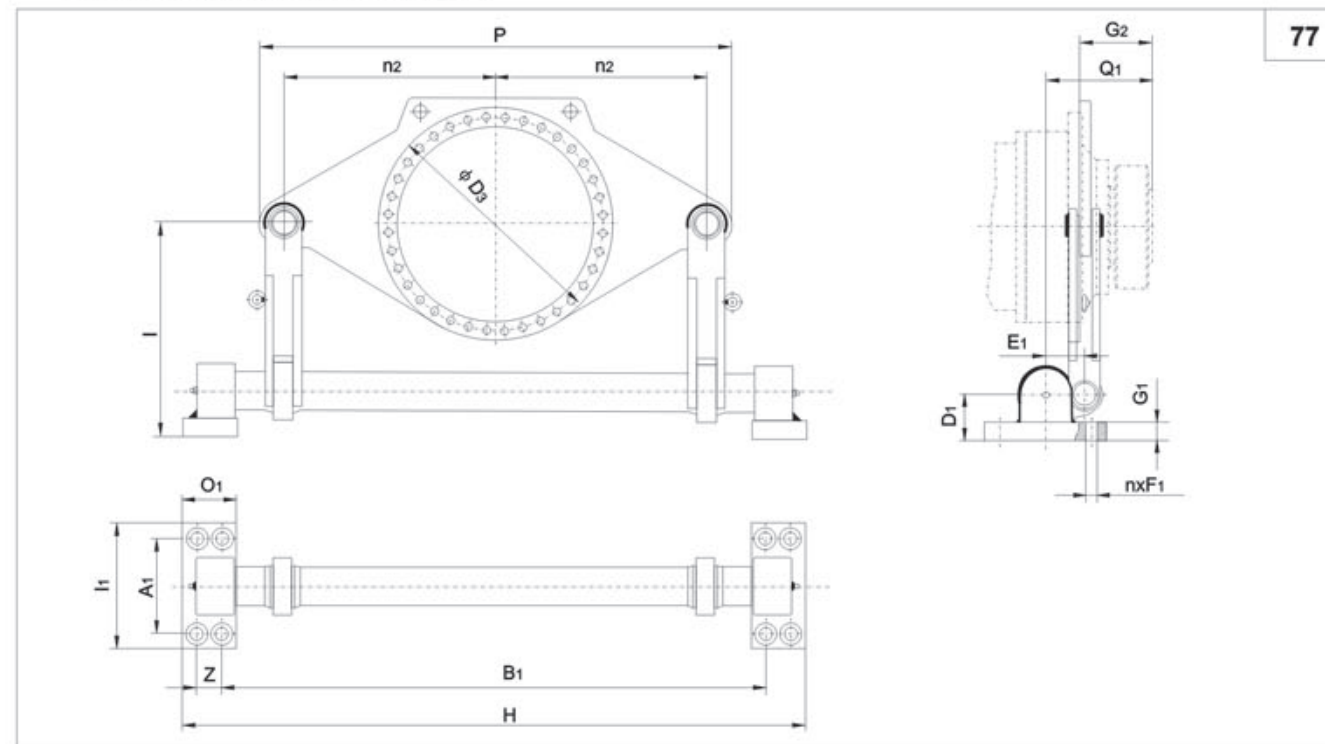
十、Q系列行星减速器输出端尺寸 Q Series Planetary gear units output terminal size

1、规格9...36/带胀紧盘空心输出轴 Sizes9...36/Hollow Output Shaft for Shrink Disk



机座号 Size	输出扭矩 Output torque T _{2N} (N.m)	胀紧盘 Shrink disk				
		内径 Size	D	螺栓 Bolts		重量 Weight (kg)
				型号 Size	拧紧力矩 (N.m) Tightening torque	
9	22000	155	263	M12	100	15
10	31000	165	290	M16		22
11	42000	185	330	M16	240	37
12	60000	220	370	M16		54
13	83000	240	405	M20		67
14	117000	280	460	M20		102
16	160000	300	485	M20	470	118
17	202000	320	520	M20		131
18	244000	340	570	M20		186
19	295000	360	590	M20		204
20	354000	380	650	M24		250
21	392000	390	650	M24		250
22	450000	420	670	M24	820	300
23	513000	440	740	M24		400
24	592000	460	770	M24		420
25	684000	480	800	M24		500
26	763000	500	850	M27		570
27	852000	530	910	M27		740
28	950000	560	940	M27	1210	770
29	1060000	560	940	M27		770
30	1200000	590	980	M27		900
31	1330000	590	980	M27		900
32	1500000	620	1020	M30	1640	1080
33	1680000	660	1070	M30		1190
34	1920000	700	1140	M33	2210	1345
35	2240000	750	1150	M33		1346
36	2600000	800	1230	M33		1646

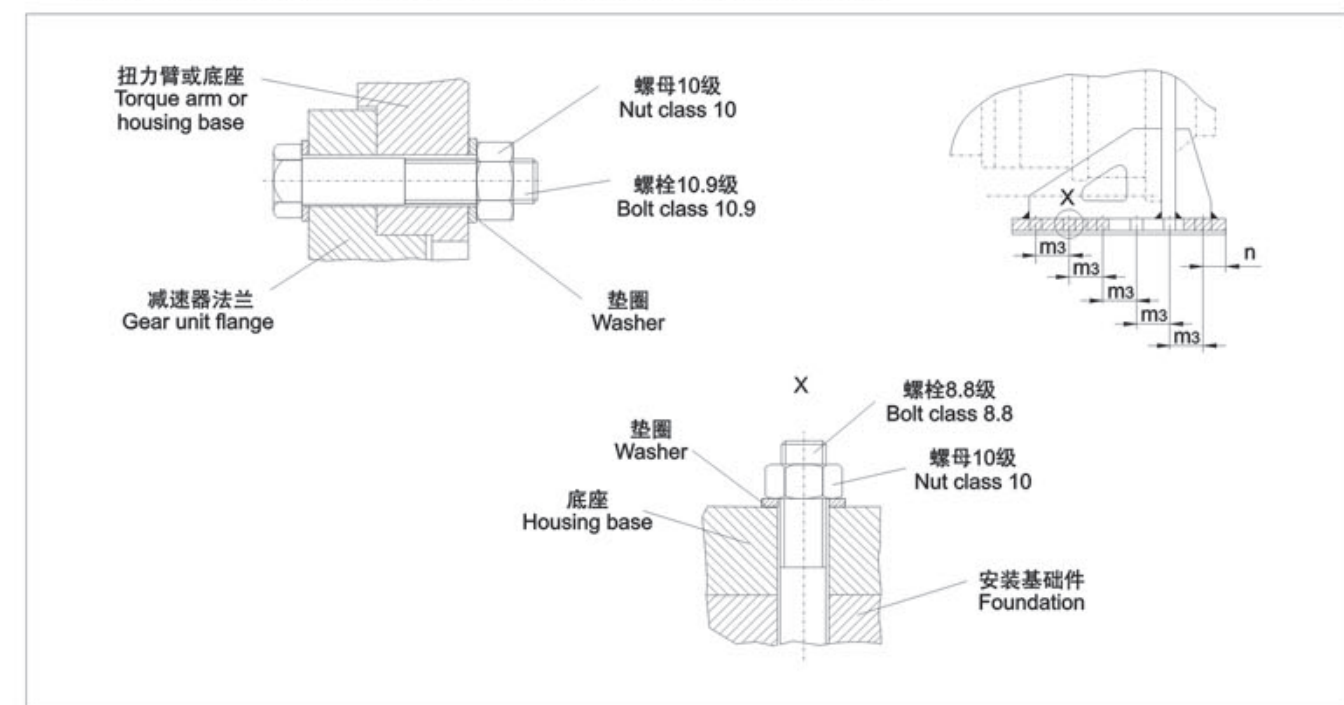
4、附件/Add-on Piece 77 扭力轴支撑架 Torsion Shaft Support



机座号 Size	输出扭矩 Output torque T2N (N.m)	A1	B1	D3	D1	E1	F1 2)	数量 Qty n	G1	G2	H	I 1)	I1	n2	O1	P	Q1	Z	重量 Weight
9	22000	250	1414	610	120	105	33	8	48.5	165	1619	560	330	550	140	1230	247.5	65	300
10	31000	250	1414	610	120	105	33	8	48.5	174	1619	560	330	550	140	1230	256.5	65	300
11	42000	250	1414	610	120	105	33	8	48.5	204	1619	560	330	550	140	1230	286.5	65	300
12	60000	250	1414	610	120	105	33	8	48.5	224	1619	560	330	550	140	1230	306.5	65	300
13	83000	280	1604	775	155	145	39	8	68.5	241	1837	620	380	650	158	1450	358.5	75	600
14	117000	280	1604	775	155	145	39	8	68.5	278	1837	620	380	650	158	1450	395.5	75	600
16	160000	280	1604	775	155	145	39	8	68.5	285	1837	620	380	650	158	1450	402.5	75	600
17	202000	315	1777	955	170	165	39	8	73.5	294	2041	700	400	750	180	1680	431.5	84	900
18	244000	315	1777	955	170	165	39	8	73.5	303	2041	700	400	750	180	1680	440.5	84	900
19	295000	350	2000	985	195	175	45	8	83.5	328	2300	860	450	850	200	1900	470.5	100	1400
20	354000	350	2000	985	195	175	45	8	83.5	328	2300	860	450	850	200	1900	470.5	100	1400
21	392000	400	2254	1120	210	190	45	8	88.5	354	2591	900	530	950	225	2110	506.5	113	1700
22	450000	400	2254	1120	210	190	45	8	88.5	354	2591	900	530	950	225	2110	506.5	113	1700
23	513000	450	2496	1215	235	220	45	8	98.5	380	2871	1060	590	1063	250	2385	562.5	125	2150
24	592000	450	2496	1215	235	220	45	8	98.5	380	2871	1060	590	1063	250	2385	562.5	125	2150
25	684000	500	2816	1350	275	245	52	8	118.5	407	3236	1200	650	1150	280	2600	614.5	140	2700
26	763000	500	2816	1350	275	245	52	8	118.5	407	3236	1200	650	1150	280	2600	614.5	140	2700
27	852000	530	2887	1490	300	255	52	8	128.5	453	3327	1250	700	1250	290	2820	670.5	150	3400
28	950000	530	2887	1490	300	255	52	8	128.5	453	3327	1250	700	1250	290	2820	670.5	150	3400
29	1060000	560	3200	1565	300	280	62	8	128.5	483	3673	1350	750	1360	315	3080	718	158	4350
30	1200000	560	3200	1565	300	280	62	8	128.5	483	3673	1350	750	1360	315	3080	718	158	4350
31	1330000	590	3408	1695	340	300	70	8	148.5	538	3906	1400	790	1450	330	3260	788	168	5500
32	1500000	590	3408	1695	340	300	70	8	148.5	538	3906	1400	790	1450	330	3260	788	168	5500
33	1680000	620	3588	1785	375	320	70	8	158.5	573	4116	1500	840	1550	350	3520	840.5	178	7000
34	1920000	620	3588	1785	375	320	70	8	158.5	573	4116	1500	840	1550	350	3520	840.5	178	7000
35+36	根据用户要求供货 On request																		

1) 标准尺寸, 整体高度可修正到2000mm 1) Standard dimension, overall height modifiable up to 2000mm
2) 锁紧用螺栓强度不得低于6.8级 2) The bolts used for lock are not lower than class 6.8

5、法兰联接及底座安装的螺母预紧扭矩 Thghtening Torques for Flange Connections and Foot-mouted Design



机座号 Size	法兰联接 Flange attachment		底座联接 Base attachment	
	螺栓 Thread (10.9)	预紧扭矩(N.m) Tightening torque	螺栓 Thread (8.8)	预紧扭矩(N.m) Tightening torque
9	M16	295	M24	710
10	M16	295	M24	710
11	M20	580	M24	710
12	M24	1000	M24	710
13	M24	1000	M24	710
14	M24	1000	M30	1450
16	M24	1000	M30	1450
17	M30	2000	M36	2530
18	M30	2000	M36	2530
19/20	M30	2000	M42	4070
21/22	M36	3560	M48	6140
23/24	M36	5720	M48	6140
25/26	M42	5720	M56	9840
27/28	M48	8640	M56	9840
29/30	M48	8640	M64	14300
31/32	M56	13580	M64	14300
33/34	M56	13580	M64	14300
35/36	M56	13580	M72×6	20800