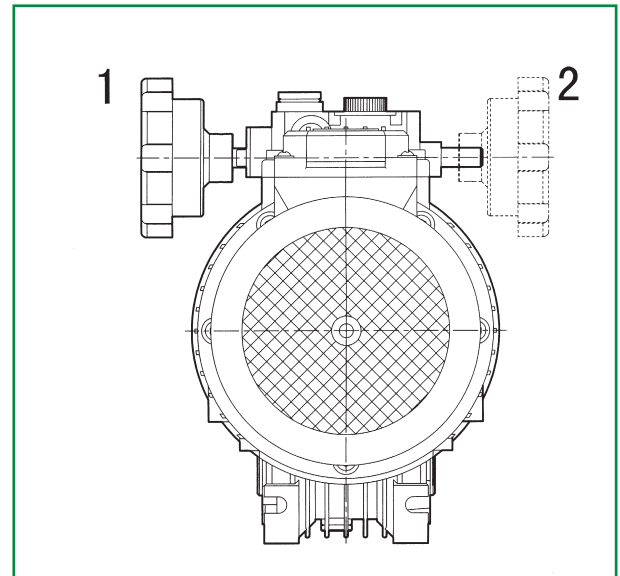
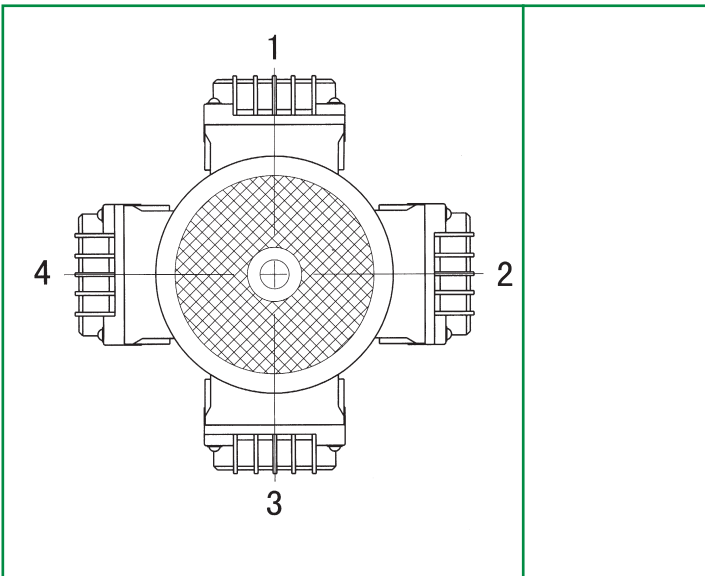
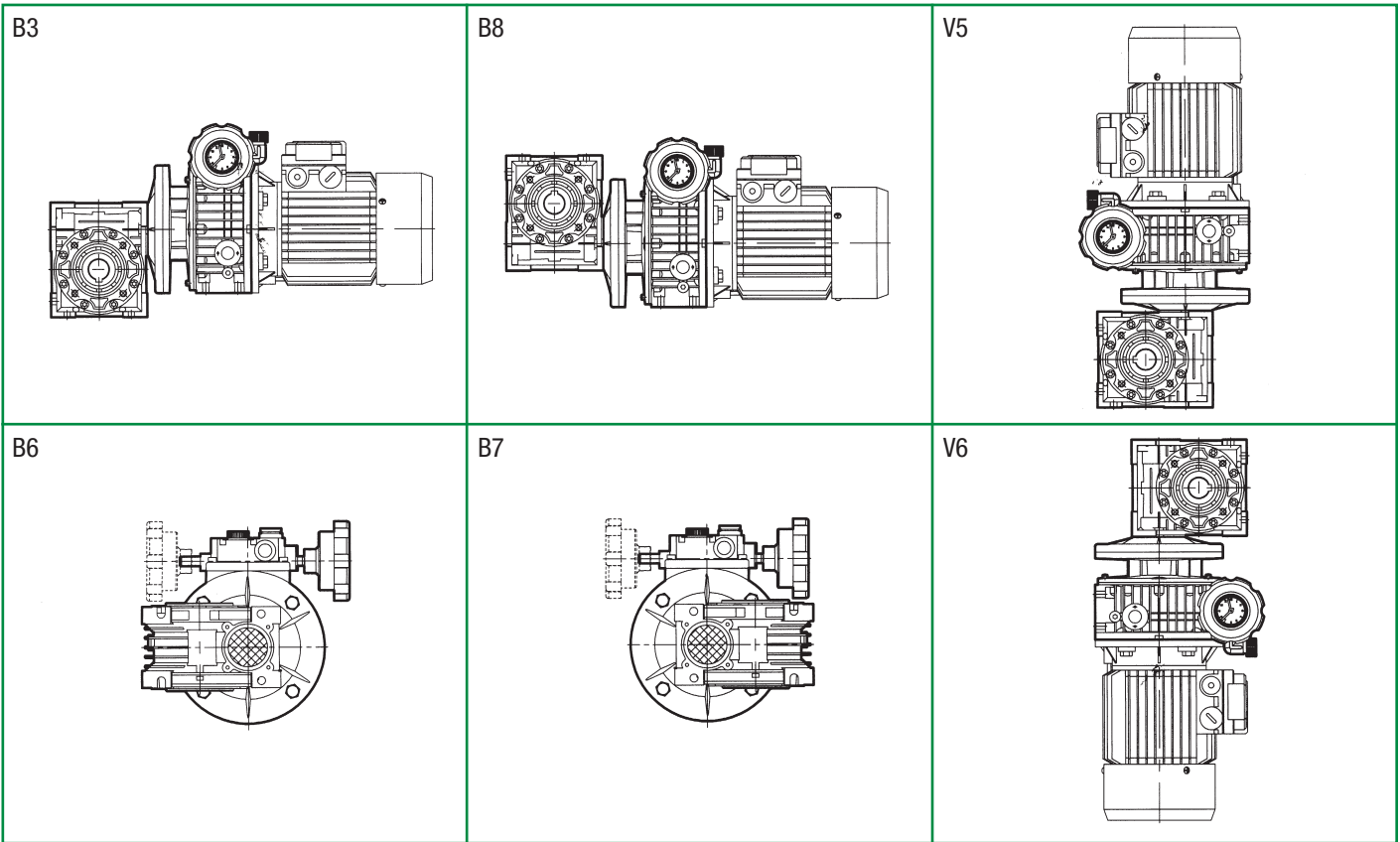


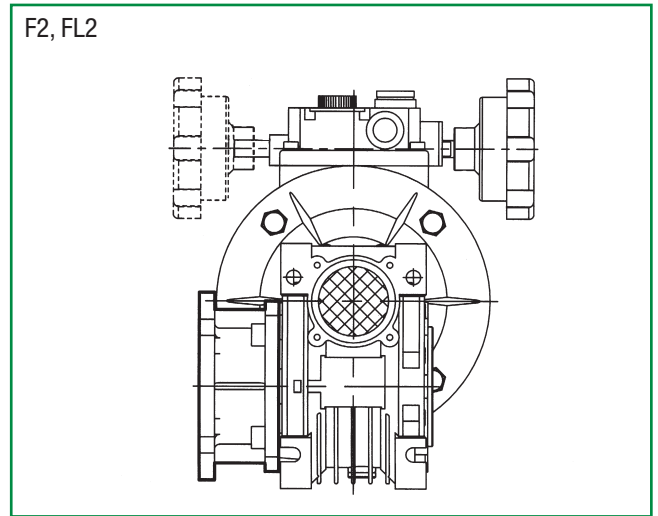
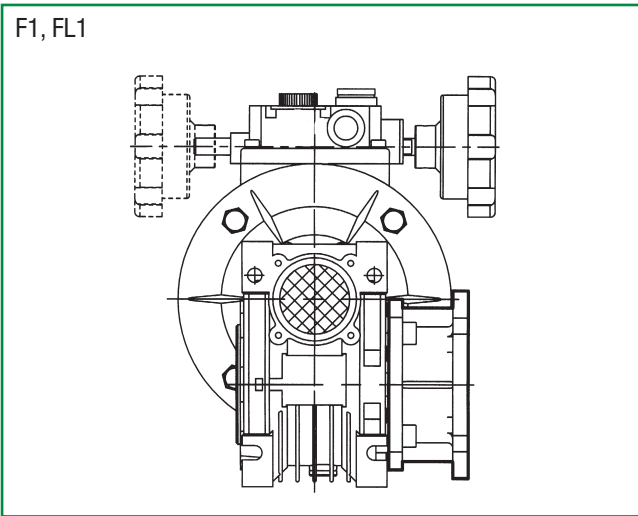
STRUCTURE AND MOUNTING POSITIONS

Mounting Position

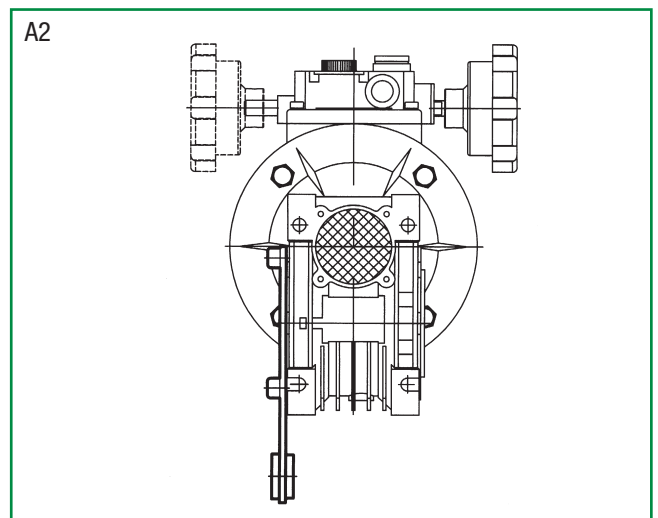
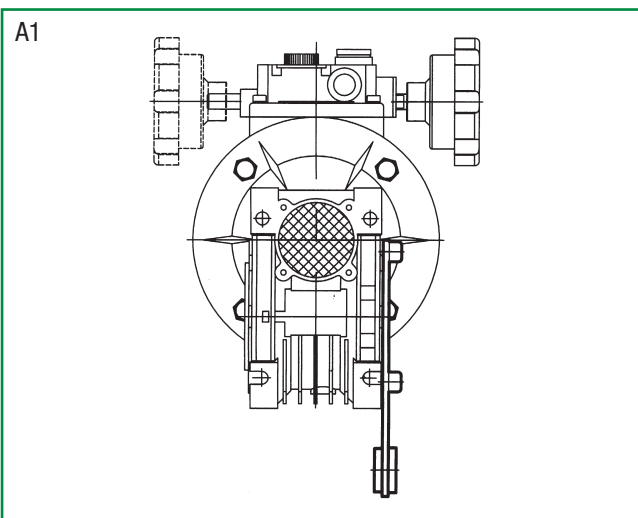


STRUCTURE AND MOUNTING POSITIONS

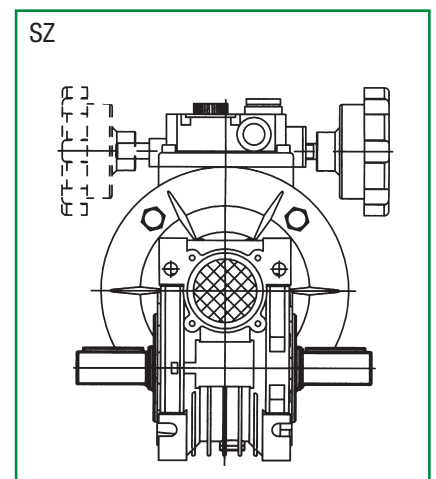
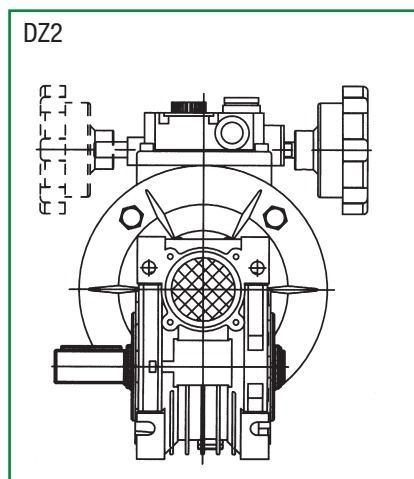
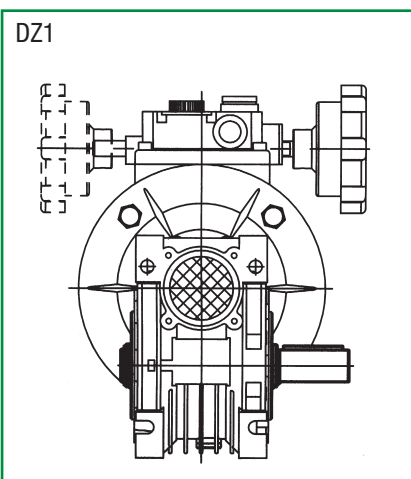
OUTPUT FLANGE (F, FL)



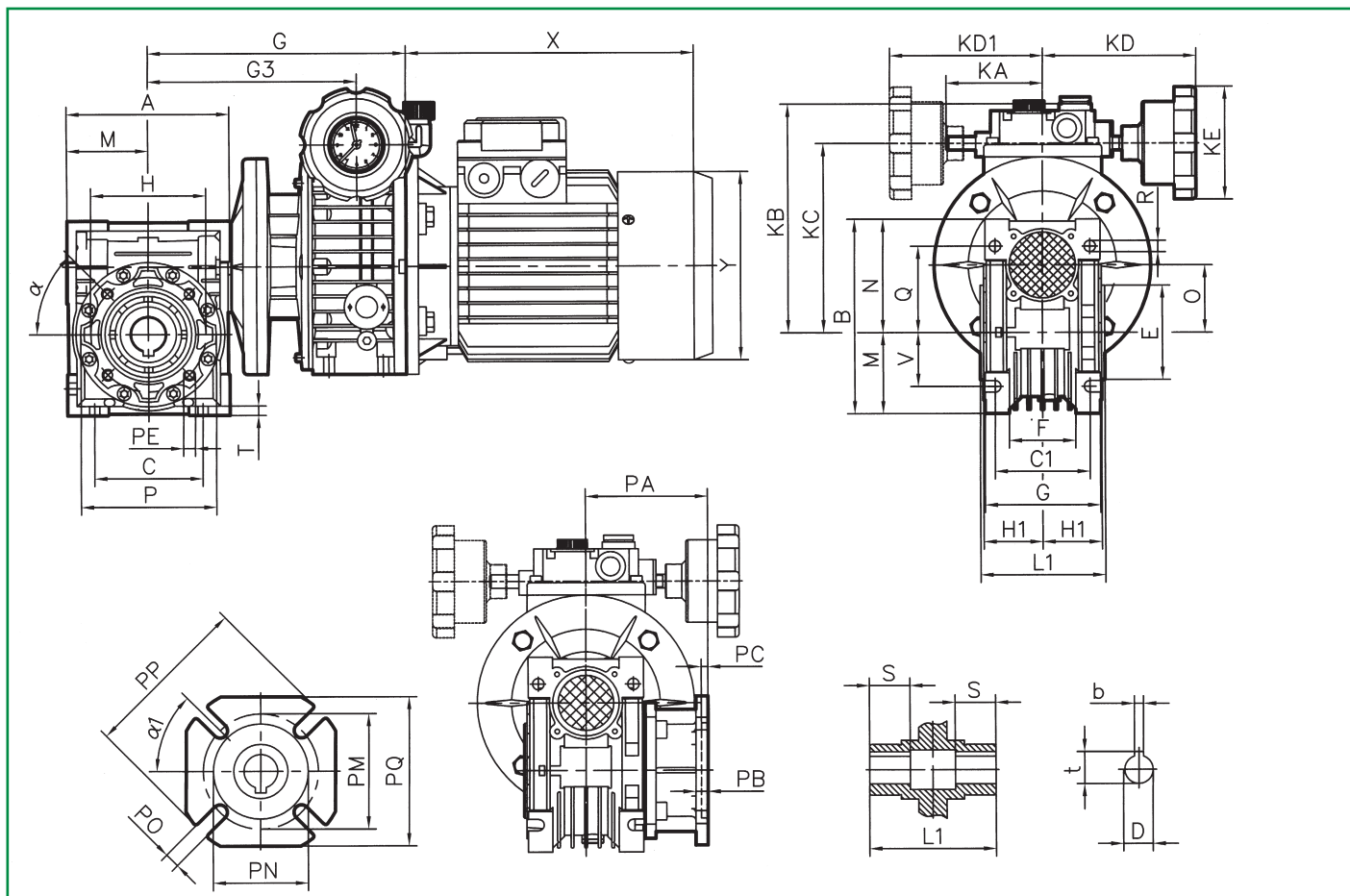
TORQUE ARM (A)



OUTPUT SHAFT (DZ, SZ)



DIMENSIONS



	A	B	C	C1	D(H7)	E(h8)	F	G	G2	G3	H	H1	L1	M	N	O
UDL002+NMRW030	80	97	54	44	14	55	32	56	167.5	119.5	65	29	63	40	57	30
UDL002+NMRW040	100	121.5	70	60	18(19)	60	43	71	182.5	134.5	75	36.5	78	50	71.5	40
UDL005+NMRW040									180	144						
UDL002+NMRW050	120	144	80	70	25(24)	70	49	85	192.5	144.5	85	43.5	92	60	84	50
UDL005+NMRW050									190	154						
UDL005+NMRW063	144	174	100	85	25(28)	80	67	103	205	169	95	53	112	72	102	63
UDL010+NMRW063									234	180.5						
UDL005+NMRW075	172	205	120	90	28(35)	95	72	112	222.5	186.5	115	57	120	86	119	75
UDL010+NMRW075									251.5	198						
UDT020+NMRW075									300.5	227.5						
UDL010+NMRW090	206	238	140	100	35(38)	110	74	130	268.5	215	130	67	140	103	135	90
UDT020+NMRW090									317.5	244.5						
UDL010+NMRW110	252.5	295	170	115	42	130	-	144	299	245.5	165	74	155	127.5	167.5	110
UDT020+NMRW110									348	275						
UDT030S+NMRW110									368	291						
UDT030L+NMRW110									368	291						
UDT020+NMRW130	292.5	335	200	120	45	180	-	155	368	295	215	81	170	147.5	187.5	130
UDT030S+NMRW130									388	311						
UDT030L+NMRW130									388	311						

DIMENSIONS

	P	Q	R	S	T	V	PA	PB	PC	PE	PM	PN(H8)	PO	PP
UDL002+NMRW030	75	44	6.5	21	5.5	27	54.5	6	4	M6 × 11(n=4)	68	50	6.5(n=4)	80
UDL002+NMRW040	87	55	6.5	26	6.5	35	67	7	4	M6 × 8(n=4)	75	60	9(n=4)	110
UDL005+NMRW040														
UDL002+NMRW050	100	64	8.5	30	7	40	90	9	5	M8 × 10(n=4)	85	70	11(n=4)	125
UDL005+NMRW050														
UDL005+NMRW063	110	80	8.5	36	8	50	82	10	6	M8 × 14(n=8)	150	115	11(n=4)	180
UDL010+NMRW063														
UDL005+NMRW075	140	93	11	40	10	60	111	13	6	M8 × 14(n=8)	165	130	14(n=4)	200
UDL010+NMRW075														
UDT020+NMRW075														
UDL010+NMRW090	160	102	13	45	11	70	111	13	6	M10 × 18(n=8)	175	152	14(n=4)	210
UDT020+NMRW090														
UDL010+NMRW110	200	125	14	50	14	85	131	15	6	M10 × 18(n=8)	230	170	14(n=8)	280
UDT020+NMRW110														
UDT030S+NMRW110														
UDT030L+NMRW110														
UDT020+NMRW130	250	140	16	60	15	100	140	15	6	M12 × 21(n=8)	225	180	16(n=8)	320
UDT030S+NMRW130														
UDT030L+NMRW130														

	P	α	α_1	b	t	Kg.	KA	KB	KC	KD	KD1	KE
UDL002+NMRW030	70	0°	45°	5	16.3	4.7	71	141	108	110	110	85
UDL002+NMRW040	95	45°	45°	6	20.8(21.8)	5.8	71	151	118	110	110	85
UDL005+NMRW040						7.3	71	163	130	110	110	85
UDL002+NMRW050	110	45°	45°	8	28.3(27.3)	7	71	161	128	110	110	85
UDL005+NMRW050						8.5	71	173	140	110	110	85
UDL005+NMRW063	142	45°	45°	8	28.3(31.3)	13.2	71	186	153	110	110	85
UDL010+NMRW063						16.2	79	203	170	120	120	110
UDL005+NMRW075	170	45°	45°	8	31.3(38.3)	14	71	198	165	110	110	85
UDL010+NMRW075						17	79	215	182	120	120	110
UDT020+NMRW075						30	-	219	197	150	-	110
UDL010+NMRW090	200	45°	45°	10	38.3(41.3)	21	79	230	197	120	120	110
UDT020+NMRW090						34	-	234	212	150	-	110
UDL010+NMRW110	260	45°	45°	12	45.3	49	79	250	217	120	120	110
UDT020+NMRW110						56	-	254	232	150	-	110
UDT030S+NMRW110						85	-	298	260	160	-	110
UDT030L+NMRW110						86	-	298	260	160	-	110
UDT020+NMRW130	290	45°	22.5°	14	48.8	69	-	274	252	150	-	110
UDT030S+NMRW130						98	-	318	280	160	-	110
UDT030L+NMRW130						99	-	318	280	160	-	110

PERFORMANCE

UDL (UDT)+NMRW

n _i	KW	UDL/UDT + NMRW		i _{NMRW}															
				5	7.5	10	15	20	25	30	40	50	60	80	100				
1400r/min	0.75KW	UDL010	063																
			075																
			090																
			110																
	1.1KW	UDT020	075																
			090																
			110																
			130																
	1.5KW	UDT020	075																
			090																
			110																
			130																
	2.2KW	UDT030S	110																
			130																
3KW	UDT030L	110																	
		130																	
4KW	UDT030L	110																	
		130																	
900r/min	0.18KW	UDL005	040																
			050																
			063																
			075																
	0.25KW	UDL005	040																
			050																
			063																
			075																
	0.37KW	UDL010	063																
			075																
			090																
	0.55KW	UDL010	063																
			075																
			090																
			110																
	0.75KW	UDT020	075																
			090																
			110																
130																			
1.1KW	UDT020	075																	
		090																	
		110																	
		130																	
1.5KW	UDT030S	110																	
		130																	
2.2KW	UDT030L	110																	
		130																	

UDL(UDT)+NMRW ($n_1=1400r/min$)

		i_{NMRW}	n_{2max}	n_{2min}	M_{2min}	M_{2max}	M_{2lim}
0.12KW 4P $n_1=1400$	UDL002+NMRW030	5	180.6	36.2	5	13	30
	UDL002+NMRW040	5	180.6	36.2	5	13	65
	UDL002+NMRW030	7.5	120.4	24.1	7	19	30
	UDL002+NMRW040	7.5	120.4	24.1	7	19	68
	UDL002+NMRW030	10	90.3	18.1	9	24	30
	UDL002+NMRW040	10	90.3	18.1	9	24	67
	UDL002+NMRW030	15	60.2	12.1	13	*	29
	UDL002+NMRW040	15	60.2	12.1	13	35	68
	UDL002+NMRW030	20	45.2	9.1	15	*	27
	UDL002+NMRW040	20	45.2	9.1	17	46	62
	UDL002+NMRW040	25	36.1	7.2	20	54	58
	UDL002+NMRW040	30	30.1	6.0	22	59	69
	UDL002+NMRW040	40	22.6	4.5	29	*	62
	UDL002+NMRW040	50	18.1	3.6	33	*	57
	UDL002+NMRW040	60	15.1	3.0	36	*	53
	UDL002+NMRW050	60	15.1	3.0	35	93	100
UDL002+NMRW050	80	11.3	2.3	47	*	78	
UDL002+NMRW050	100	9.1	1.8	53	*	75	
0.18KW 4P $n_1=1400$	UDL002+NMRW030	5	180.6	36.2	7	13	30
	UDL002+NMRW040	5	180.6	36.2	7	13	65
	UDL002+NMRW030	7.5	120.4	24.1	10	19	30
	UDL002+NMRW040	7.5	120.4	24.1	10	19	68
	UDL002+NMRW030	10	90.3	18.1	13	24	30
	UDL002+NMRW040	10	90.3	18.1	13	24	67
	UDL002+NMRW030	15	60.2	12.1	19	*	29
	UDL002+NMRW040	15	60.2	12.1	19	35	68
	UDL002+NMRW030	20	45.2	9.1	22	*	27
	UDL002+NMRW040	20	45.2	9.1	23	42	62
	UDL002+NMRW030	25	36.1	7.2	28	*	32
	UDL002+NMRW040	25	36.1	7.2	30	54	58
	UDL002+NMRW030	30	30.1	6.0	*	*	29
	UDL002+NMRW040	30	30.1	6.0	32	59	69
	UDL002+NMRW030	40	22.6	4.5	*	*	27
	UDL002+NMRW040	40	22.6	4.5	43	*	62
UDL002+NMRW050	40	22.6	4.5	44	80	118	
UDL002+NMRW040	50	18.1	3.6	48	*	57	
UDL002+NMRW050	50	18.1	3.6	51	92	114	
UDL002+NMRW050	60	15.1	3.0	51	93	100	
UDL002+NMRW050	80	11.3	2.3	68	*	78	
UDL002+NMRW050	100	9.0	1.8	*	*	75	
0.25KW 4P $n_1=1400$	UDL005+NMRW040	5	200.0	40.0	10	26	65
	UDL005+NMRW050	5	200.0	40.0	10	26	122
	UDL005+NMRW040	7.5	133.3	26.7	14	38	68
	UDL005+NMRW050	7.5	133.3	26.7	14	39	132
	UDL005+NMRW040	10	100.0	20.0	18	50	67
	UDL005+NMRW050	10	100.0	20.0	19	50	130
	UDL005+NMRW040	15	66.7	13.3	27	*	68
	UDL005+NMRW050	15	66.7	13.3	27	72	128
	UDL005+NMRW050	20	50.0	10.0	35	95	114
	UDL005+NMRW050	25	40.0	8.0	42	*	105
	UDL005+NMRW050	30	33.3	6.7	47	126	138
	UDL005+NMRW050	40	25.0	5.0	61	*	118
	UDL005+NMRW063	40	25.0	5.0	63	169	220
	UDL005+NMRW050	50	20.0	4.0	70	*	114
	UDL005+NMRW063	50	20.0	4.0	73	195	205
	UDL005+NMRW063	60	16.7	3.3	75	*	188
UDL005+NMRW075	60	16.7	3.3	92	246	285	

		i_{NMRW}	n_{2max}	n_{2min}	M_{2min}	M_{2max}	M_{2lim}
0.25KW 4P $n_1=1400$	UDL005+NMRW063	80	12.5	2.5	99	*	163
	UDL005+NMRW075	80	12.5	2.5	127	*	238
	UDL005+NMRW063	100	10.0	2.0	107	*	171
	UDL005+NMRW075	100	10.0	2.0	137	*	219
0.37KW 4P $n_1=1400$	UDL005+NMRW040	5	200.0	40.0	13	26	65
	UDL005+NMRW050	5	200.0	40.0	13	26	122
	UDL005+NMRW040	7.5	133.3	26.7	19	38	68
	UDL005+NMRW050	7.5	133.3	26.7	20	39	132
	UDL005+NMRW040	10	100.0	20.0	25	50	67
	UDL005+NMRW050	10	100.0	20.0	26	50	130
	UDL005+NMRW040	15	66.7	13.3	36	*	38
	UDL005+NMRW050	15	66.7	13.3	36	72	128
	UDL005+NMRW050	20	50.0	10.0	48	95	114
	UDL005+NMRW050	25	40.0	8.0	58	*	105
	UDL005+NMRW050	30	33.3	6.7	64	126	138
	UDL005+NMRW050	40	25.0	5.0	83	*	118
UDL005+NMRW063	40	25.0	5.0	86	169	220	
UDL005+NMRW050	50	20.0	4.0	95	*	114	
UDL005+NMRW063	50	20.0	4.0	99	195	205	
UDL005+NMRW075	50	20.0	4.0	115	227	304	
UDL005+NMRW063	60	16.7	3.3	103	*	188	
UDL005+NMRW075	60	16.7	3.3	125	246	285	
UDL005+NMRW063	80	12.5	2.5	135	*	163	
UDL005+NMRW075	80	12.5	2.5	173	*	238	
UDL005+NMRW063	100	10.0	2.0	146	*	171	
UDL005+NMRW075	100	10.0	2.0	188	*	219	
0.55KW 4P $n_1=1400$	UDL010+NMRW063	7.5	133.3	26.7	29	79	238
	UDL010+NMRW063	10	100.0	20.0	38	104	238
	UDL010+NMRW063	15	66.7	13.3	55	148	235
	UDL010+NMRW063	20	50.0	10.0	72	195	219
	UDL010+NMRW063	25	40.0	8.0	86	*	200
	UDL010+NMRW063	30	33.3	6.7	98	*	247
	UDL010+NMRW063	40	25.0	5.0	126	*	220
	UDL010+NMRW063	50	20.0	4.0	145	*	205
	UDL010+NMRW075	50	20.0	4.0	169	*	304
	UDL010+NMRW075	60	16.7	3.3	183	*	285
	UDL010+NMRW075	80	12.5	2.5	*	*	248
	UDL010+NMRW090	80	12.5	2.5	225	*	437
UDL010+NMRW090	100	10.0	2.0	252	*	390	
0.75KW 4P $n_1=1400$	UDL010+NMRW063	7.5	133.3	26.7	40	79	238
	UDL010+NMRW063	10	100.0	20.0	52	104	238
	UDL010+NMRW063	15	66.7	13.3	75	148	235
	UDL010+NMRW063	20	50.0	10.0	98	195	219
	UDL010+NMRW063	25	40.0	8.0	117	*	200
	UDL010+NMRW063	30	33.3	6.7	133	*	247
	UDL010+NMRW063	40	25.0	5.0	172	*	220
	UDL010+NMRW075	50	20.0	4.0	231	*	304
	UDL010+NMRW075	60	16.7	3.3	250	*	285
	UDL010+NMRW090	60	16.7	3.3	248	*	480
	UDL010+NMRW090	80	12.5	2.5	306	*	437
	UDL010+NMRW110	80	12.5	2.5	332	659	741
UDL010+NMRW090	100	10.0	2.0	343	*	390	
UDL010+NMRW110	100	10.0	2.0	377	*	675	
1.1KW 4P $n_1=1400$	UDT020+NMRW075	7.5	133.3	26.7	60	164	333
	UDT020+NMRW075	10	100.0	20.0	80	217	352
	UDT020+NMRW090	10	100.0	20.0	79	216	561
	UDT020+NMRW075	15	66.7	13.3	116	315	352

UDL(UDT)+NMRW ($n_1=1400r/min$)

		i_{NMRW}	n_{2max}	n_{2min}	M_{2min}	M_{2max}	M_{2lim}
1.1KW 4P $n_1=1400$	UDT020+NMRW090	15	66.7	13.3	115	314	627
	UDT020+NMRW075	20	50.0	10.0	150	408	347
	UDT020+NMRW090	20	50.0	10.0	149	408	580
	UDT020+NMRW075	25	40.0	8.0	187	*	314
	UDT020+NMRW090	25	40.0	8.0	181	494	542
	UDT020+NMRW075	30	33.3	6.7	214	*	371
	UDT020+NMRW090	30	33.3	6.7	212	579	665
	UDT020+NMRW075	40	25.0	5.0	271	*	342
	UDT020+NMRW090	40	25.0	5.0	269	*	580
	UDT020+NMRW090	50	20.0	4.0	320	*	532
	UDT020+NMRW110	50	20.0	4.0	338	922	950
	UDT020+NMRW110	60	16.7	3.3	385	*	855
	UDT020+NMRW130	60	16.7	3.3	395	1079	1330
	UDT020+NMRW110	80	12.5	2.5	487	*	741
	UDT020+NMRW130	80	12.5	2.5	472	*	1159
	UDT020+NMRW110	100	10.0	2.0	553	*	675
	UDT020+NMRW130	100	10.0	2.0	578	*	1045
	1.5KW 4P $n_1=1400$	UDT020+NMRW075	7.5	133.3	26.7	82	164
UDT020+NMRW090		7.5	133.3	26.7	81	163	532
UDT020+NMRW075		10	100.0	20.0	108	217	352
UDT020+NMRW090		10	100.0	20.0	108	216	561
UDT020+NMRW075		15	66.7	13.3	158	315	352
UDT020+NMRW090		15	66.7	13.3	157	314	627
UDT020+NMRW075		20	50.0	10.0	204	*	347
UDT020+NMRW090		20	50.0	10.0	204	408	580
UDT020+NMRW075		25	40.0	8.0	254	*	314
UDT020+NMRW090		25	40.0	8.0	247	494	542
UDT020+NMRW075		30	33.3	6.7	292	*	371
UDT020+NMRW090		30	33.3	6.7	289	579	665
UDT020+NMRW075		40	25.0	5.0	*	*	342
UDT020+NMRW090		40	25.0	5.0	367	*	580
UDT020+NMRW110		50	20.0	4.0	461	922	950
UDT020+NMRW110		60	16.7	3.3	525	*	855
UDT020+NMRW130		60	16.7	3.3	539	1079	1330
UDT020+NMRW130		80	12.5	2.5	644	*	1159
UDT020+NMRW130	100	10.0	2.0	788	*	1045	
2.2KW 4P $n_1=1400$	UDT030S+NMRW110	7.5	133.3	26.7	121	243	884
	UDT030S+NMRW110	10	100.0	20.0	159	321	931
	UDT030S+NMRW110	15	66.7	13.3	231	465	988
	UDT030S+NMRW110	20	50.0	10.0	304	611	941
	UDT030S+NMRW110	25	40.0	8.0	381	766	969
	UDT030S+NMRW110	30	33.3	6.7	426	856	1045
	UDT030S+NMRW110	40	25.0	5.0	556	*	979
	UDT030S+NMRW130	40	25.0	5.0	558	1122	1568
	UDT030S+NMRW130	50	20.0	4.0	678	1364	1473
	UDT030S+NMRW130	60	16.7	3.3	804	*	1330
	UDT030S+NMRW130	80	12.5	2.5	961	*	1159
	UDT030S+NMRW130	100	10.0	2.0	1176	*	1045
3KW 4P $n_1=1400$	UDT030L+NMRW110	7.5	133.3	26.7	162	432	884
	UDT030L+NMRW130	7.5	133.3	26.7	164	437	1378
	UDT030L+NMRW110	10	100.0	20.0	214	570	931
	UDT030L+NMRW130	10	100.0	20.0	214	570	1454
	UDT030L+NMRW110	15	66.7	13.3	310	828	988
	UDT030L+NMRW130	15	66.7	13.3	314	837	1615
	UDT030L+NMRW110	20	50.0	10.0	407	*	941
	UDT030L+NMRW130	20	50.0	10.0	413	1101	1520
UDT030L+NMRW110	25	40.0	8.0	511	*	969	

		i_{NMRW}	n_{2max}	n_{2min}	M_{2min}	M_{2max}	M_{2lim}
3KW 4P $n_1=1400$	UDT030L+NMRW130	25	40.0	8.0	507	1352	1454
	UDT030L+NMRW110	30	33.3	6.7	571	*	1045
	UDT030L+NMRW130	30	33.3	6.7	578	1542	1672
	UDT030L+NMRW110	40	25.0	5.0	745	*	979
	UDT030L+NMRW130	40	25.0	5.0	748	*	1568
	UDT030L+NMRW130	50	20.0	4.0	910	*	1473
4KW 4P $n_1=1400$	UDT030L+NMRW110	7.5	133.3	26.7	216	432	884
	UDT030L+NMRW130	7.5	133.3	26.7	219	437	1378
	UDT030L+NMRW110	10	100.0	20.0	285	570	931
	UDT030L+NMRW130	10	100.0	20.0	285	570	1454
	UDT030L+NMRW110	15	66.7	13.3	414	828	988
	UDT030L+NMRW130	15	66.7	13.3	419	837	1615
	UDT030L+NMRW110	20	50.0	10.0	543	*	941
	UDT030L+NMRW130	20	50.0	10.0	550	1101	1520
	UDT030L+NMRW110	25	40.0	8.0	681	*	969
	UDT030L+NMRW130	25	40.0	8.0	676	1352	1454
	UDT030L+NMRW110	30	33.3	6.7	761	*	1045
	UDT030L+NMRW130	30	33.3	6.7	771	1542	1672
UDT030L+NMRW130	40	25.0	5.0	997	*	1568	

Note: ① M_{2lim} means the largest torque which the worm reducer can supply.
 ② "*" means the effective torque is more than the largest allowed torque.