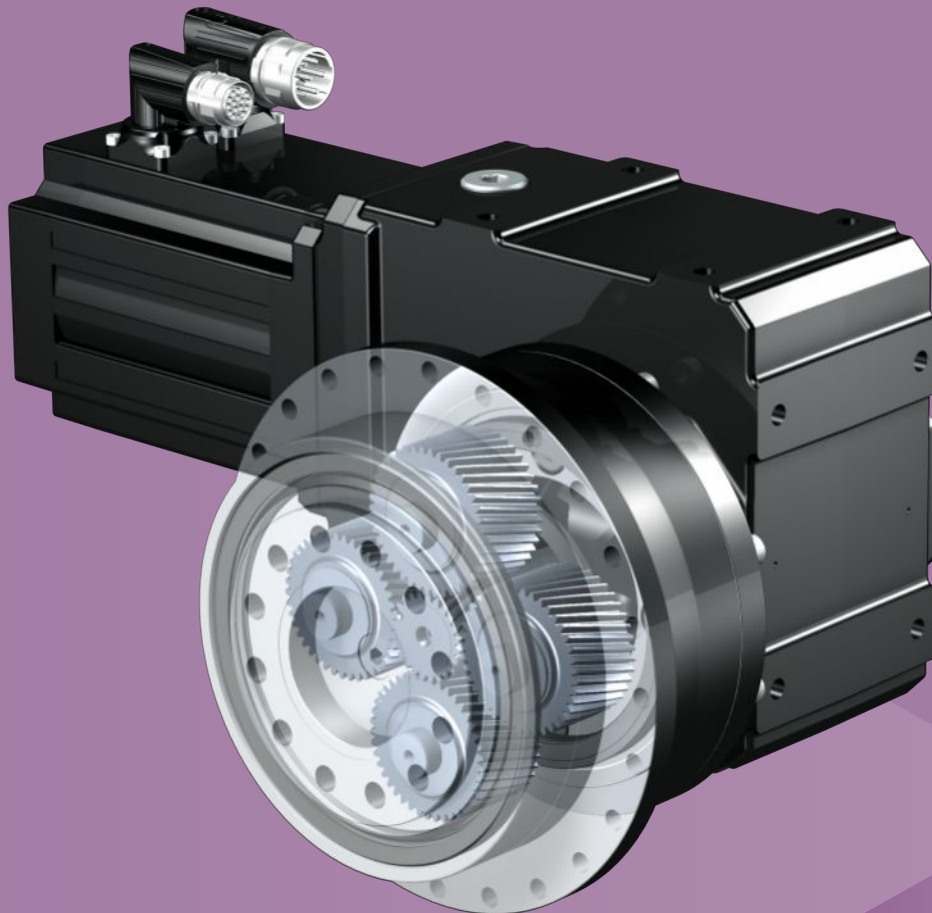




14

Right-angle planetary geared motors

PHQK

14.1 Overview

Quattro-Power precision right-angle planetary geared motors

Features

Power density	★★★★★
Backlash	★★★★★
Price category	€€€€€
Shaft load	★★★★★
Smooth operation	★★★★☆
Torsional stiffness	★★★★★
Mass moment of inertia	★★★★★
Helical gearing	✓
Maintenance-free	✓
High power density	✓
Continuous operation without cooling	✓
Stiff output bearings due to pretension	✓
Reinforced output bearing (PHQ4 – PHQ5)	✓ (optional)
Compact and highly dynamic due to direct motor attachment	✓

Key ★☆☆☆☆ good | ★★★★★ excellent

€ Economy | €€€€€ Premium

Technical data

i	22 – 2242
M_{2acc}	123 – 43000 Nm
$\Delta\phi_2$	1.5 – 4 arcmin
η_{get}	90 – 93 %

14.2 Selection tables

The technical data specified in the selection tables applies to:

- Installation altitudes up to 1000 m above sea level
- Surrounding temperatures from 0 °C to 40 °C
- Drives with convection-cooled motors (e.g. EZ401U)

For the technical data on drives with forced ventilated motors (e.g. EZ401B), refer to

<https://configurator.stoeber.de/en-US/>.

An explanation of the formula symbols can be found in Chapter [▶ 20.1](#).

n_{2N}	M_{2N}	$M_{2,0}$	a_{th}	S	Type	M_{2acc}	M_{2accHT}	M_{2NOT}	i	i_{exakt}	n_{1maxDB}	n_{1maxZB}	$\Delta\phi_2$	J_1	$\Delta\phi_{2red}$	C_2	m
[rpm]	[Nm]	[Nm]				[Nm]	[Nm]	[Nm]			EL1,2 [rpm]	EL3,4,5,6 [rpm]	[rpm]	[arc min]	[kgcm ² min]	[Nm/ arcmin]	[kg]
PHQ531K ($n_{1N} = 3000$ rpm, $M_{2acc,max} = 550$ Nm)																	
9.7	267	273	10	1.0	PHQ531_0055K102_0560 EZ301U	542	542	948	308.5	6479/21	4000	4000	7000	4.0	0.21	2.0	70
11	240	245	11	1.1	PHQ531_0055K102_0500 EZ301U	316	316	572	276.7	55341/200	4000	4000	7000	4.0	0.21	2.0	70
12	223	228	10	1.3	PHQ531_0055K102_0470 EZ301U	550	550	948	258.0	25289/98	4000	4000	7000	4.0	0.22	2.0	70
14	192	196	9.6	1.5	PHQ531_0055K102_0400 EZ301U	389	389	704	221.7	4433/20	4000	4000	7000	4.0	0.21	2.0	70
16	167	171	9.3	1.7	PHQ531_0055K102_0350 EZ301U	503	503	948	193.1	20273/105	4000	4000	7000	4.0	0.23	2.0	70
16	161	164	9.2	1.7	PHQ531_0055K102_0340 EZ301U	462	462	836	185.4	51909/280	4000	4000	7000	4.0	0.22	2.0	70
16	274	290	16	1.0	PHQ531_0055K102_0340 EZ302U	462	462	836	185.4	51909/280	4000	4000	7000	4.0	0.32	2.0	70
19	134	136	8.8	2.1	PHQ531_0055K102_0280 EZ301U	402	402	948	154.3	6479/42	4000	4000	7000	4.0	0.26	2.0	70
19	228	241	15	1.2	PHQ531_0055K102_0280 EZ302U	550	550	948	154.3	6479/42	4000	4000	7000	4.0	0.36	2.0	70
22	120	123	8.6	2.3	PHQ531_0055K102_0250 EZ301U	362	362	806	138.7	13871/100	4000	4000	7000	4.0	0.24	2.0	70
22	205	217	15	1.4	PHQ531_0055K102_0250 EZ302U	550	550	806	138.7	13871/100	4000	4000	7000	4.0	0.34	2.0	70
22	267	283	19	1.0	PHQ531_0055K102_0250 EZ303U	550	550	806	138.7	13871/100	4000	4000	7000	4.0	0.45	2.0	70
23	111	113	8.4	2.5	PHQ531_0055K102_0230 EZ301U	334	334	911	128.0	6270/49	4000	4000	7000	4.0	0.28	2.0	70
23	189	200	14	1.5	PHQ531_0055K102_0230 EZ302U	550	550	911	128.0	6270/49	4000	4000	7000	4.0	0.38	2.0	70
23	247	261	19	1.1	PHQ531_0055K102_0230 EZ303U	550	550	911	128.0	6270/49	4000	4000	7000	4.0	0.49	2.0	70
27	96	98	8.1	2.9	PHQ531_0055K102_0200 EZ301U	289	289	694	110.8	4433/40	4000	4000	7000	4.0	0.26	2.0	70
27	164	173	14	1.7	PHQ531_0055K102_0200 EZ302U	512	512	694	110.8	4433/40	4000	4000	7000	4.0	0.36	2.0	70
27	214	226	18	1.3	PHQ531_0055K102_0200 EZ303U	512	512	694	110.8	4433/40	4000	4000	7000	4.0	0.47	2.0	70
31	84	85	7.8	3.3	PHQ531_0055K102_0175 EZ301U	252	252	732	96.60	11495/119	4000	3800	6000	4.0	0.32	2.0	70
31	143	151	13	2.0	PHQ531_0055K102_0175 EZ302U	450	450	732	96.60	11495/119	4000	3800	6000	4.0	0.42	2.0	70
31	186	197	17	1.5	PHQ531_0055K102_0175 EZ303U	540	540	732	96.60	11495/119	4000	3800	6000	4.0	0.53	2.0	70
31	252	270	24	1.1	PHQ531_0055K102_0175 EZ401U	550	550	948	96.60	11495/119	4000	3800	6000	4.0	1.1	2.0	70
33	80	81	7.7	3.5	PHQ531_0055K102_0165 EZ301U	240	240	655	91.93	1287/14	4000	4000	7000	4.0	0.29	2.0	70
33	136	144	13	2.1	PHQ531_0055K102_0165 EZ302U	428	428	655	91.93	1287/14	4000	4000	7000	4.0	0.39	2.0	70
33	177	187	17	1.6	PHQ531_0055K102_0165 EZ303U	483	483	655	91.93	1287/14	4000	4000	7000	4.0	0.50	2.0	70
33	240	257	23	1.2	PHQ531_0055K102_0165 EZ401U	550	550	948	91.93	1287/14	4000	4000	7000	4.0	1.0	2.0	70
39	67	69	7.4	4.2	PHQ531_0055K102_0140 EZ301U	202	202	588	77.63	2717/35	4000	3800	6000	4.0	0.37	2.0	70
39	115	121	13	2.4	PHQ531_0055K102_0140 EZ302U	361	361	588	77.63	2717/35	4000	3800	6000	4.0	0.47	2.0	70
39	150	158	17	1.9	PHQ531_0055K102_0140 EZ303U	434	434	588	77.63	2717/35	4000	3800	6000	4.0	0.58	2.0	70
39	202	217	22	1.4	PHQ531_0055K102_0140 EZ401U	550	550	948	77.63	2717/35	4000	3800	6000	4.0	1.1	2.0	70
43	60	61	7.2	4.7	PHQ531_0055K102_0125 EZ301U	181	181	526	69.40	4719/68	4000	3800	6000	4.0	0.35	2.0	70
43	103	109	12	2.7	PHQ531_0055K102_0125 EZ302U	323	323	526	69.40	4719/68	4000	3800	6000	4.0	0.45	2.0	70
43	134	142	16	2.1	PHQ531_0055K102_0125 EZ303U	388	388	526	69.40	4719/68	4000	3800	6000	4.0	0.56	2.0	70
43	181	194	22	1.5	PHQ531_0055K102_0125 EZ401U	549	549	948	69.40	4719/68	4000	3800	6000	4.0	1.1	2.0	70
43	278	304	33	1.0	PHQ531_0055K102_0125 EZ501U	550	550	948	69.40	4719/68	4000	3800	6000	4.0	3.1	2.0	70
47	94	100	12	3.0	PHQ531_0055K102_0115 EZ302U	296	296	482	63.61	1463/23	3600	3300	5500	4.0	0.53	2.0	70
47	123	130	16	2.3	PHQ531_0055K102_0115 EZ303U	355	355	482	63.61	1463/23	3600	3300	5500	4.0	0.64	2.0	70
47	166	178	21	1.7	PHQ531_0055K102_0115 EZ401U	503	503	948	63.61	1463/23	3600	3300	5500	4.0	1.2	2.0	70
47	255	278	33	1.1	PHQ531_0055K102_0115 EZ501U	550	550	948	63.61	1463/23	3600	3300	5500	4.0	3.1	2.0	70
47	278	308	36	1.0	PHQ531_0055K102_0115 EZ402U	550	550	948	63.61	1463/23	3600	3300	5500	4.0	1.9	2.0	70
54	83	87	12	3.4	PHQ531_0055K102_0100 EZ302U	260	260	423	55.77	5577/100	4000	3800	6000	4.0	0.51	2.0	70
54	108	114	15	2.6	PHQ531_0055K102_0100 EZ303U	312	312	423	55.77	5577/100	4000	3800	6000	4.0	0.62	2.0	70
54	145	156	21	1.9	PHQ531_0055K102_0100 EZ401U	441	441	948	55.77	5577/100	4000	3800	6000	4.0	1.2	2.0	70
54	223	244	32	1.3	PHQ531_0055K102_0100 EZ501U	550	550	948	55.77	5577/100	4000	3800	6000	4.0	3.1	2.0	70
54	244	270	35	1.1	PHQ531_0055K102_0100 EZ402U	550	550	948	55.77	5577/100	4000	3800	6000	4.0	1.9	2.0	70
59	75	80	11	3.7	PHQ531_0055K102_0092 EZ302U	237	237	386	50.87	9614/189	3600	3300	5500	4.0	0.63	2.0	70
59	98	104	15	2.9	PHQ531_0055K102_0092 EZ303U	284	284	386	50.87	9614/189	3600	3300	5500	4.0	0.74	2.0	70
59	133	142	20	2.1	PHQ531_0055K102_0092 EZ401U	403	403	948	50.87	9614/189	3600	3300	5500	4.0	1.3	2.0	70
59	204	223	31	1.4	PHQ531_0055K102_0092 EZ501U	550	550	948	50.87	9614/189	3600	3300	5500	4.0	3.2	2.0	70
59	223	246	34	1.3	PHQ531_0055K102_0092 EZ402U	550	550	948	50.87	9614/189	3600	3300	5500	4.0	2.0	2.0	70
66	68	71	12	3.8	PHQ531_0055K102_0083 EZ302U	213	213	346	45.70	21021/460	3600	3300	5500	4.0	0.59	2.0	70
66	88	93	16	2.9	PHQ531_0055K102_0083 EZ303U	255	255	346	45.70	21021/460	3600	3300	5500	4.0	0.70	2.0	70

n _{2N}	M _{2N}	M _{2,0}	a _{th}	S	Type	M _{2acc}	M _{2accHT}	M _{2NOT}	i	i _{exakt}	n _{1maxDB}		n _{1maxZB}	Δφ ₂	J ₁	Δφ _{2red}	C ₂	m
[rpm]	[Nm]	[Nm]				[Nm]	[Nm]	[Nm]			EL1,2	EL3,4,5,6	[rpm]	[arc min]	[kgcm ²]	[arc min]	[Nm/ arcmin]	[kg]
PHQ531K (n _{1N} = 3000 rpm, M _{2acc,max} = 550 Nm)																		
66	119	128	20	2.4	PHQ531_0055K102_0083 EZ401U	362	362	948	45.70	21021/460	3600	3300	5500	4.0	1.2	2.0	70	20
66	183	200	30	1.5	PHQ531_0055K102_0083 EZ501U	550	550	948	45.70	21021/460	3600	3300	5500	4.0	3.2	2.0	70	21
66	200	221	33	1.4	PHQ531_0055K102_0083 EZ402U	550	550	948	45.70	21021/460	3600	3300	5500	4.0	1.9	2.0	70	21
82	54	57	14	3.8	PHQ531_0055K102_0066 EZ302U	170	170	277	36.54	3289/90	3600	3300	5500	4.0	0.71	2.0	70	18
82	70	75	19	2.9	PHQ531_0055K102_0066 EZ303U	204	204	277	36.54	3289/90	3600	3300	5500	4.0	0.82	2.0	70	18
82	95	102	18	2.9	PHQ531_0055K102_0066 EZ401U	289	289	948	36.54	3289/90	3600	3300	5500	4.0	1.4	2.0	70	20
82	146	160	28	1.9	PHQ531_0055K102_0066 EZ501U	544	544	948	36.54	3289/90	3600	3300	5500	4.0	3.3	2.0	70	21
82	160	177	31	1.8	PHQ531_0055K102_0066 EZ402U	544	544	948	36.54	3289/90	3600	3300	5500	4.0	2.1	2.0	70	21
82	235	293	46	1.2	PHQ531_0055K102_0066 EZ404U	550	550	948	36.54	3289/90	3600	3300	5500	4.0	3.4	2.0	70	23
82	252	272	49	1.1	PHQ531_0055K102_0066 EZ502U	550	550	948	36.54	3289/90	3600	3300	5500	4.0	5.6	2.0	70	22
82	252	282	49	1.1	PHQ531_0055K102_0066 EZ701U	550	550	948	36.54	3289/90	3600	3300	5500	4.0	8.9	2.0	70	24
91	86	92	18	3.3	PHQ531_0055K102_0060 EZ401U	261	261	948	33.00	33/1	3300	2800	5000	4.0	1.4	2.0	70	20
91	132	144	28	2.1	PHQ531_0055K102_0060 EZ501U	492	492	948	33.00	33/1	3300	2800	5000	4.0	3.4	2.0	70	21
91	144	160	30	1.9	PHQ531_0055K102_0060 EZ402U	492	492	948	33.00	33/1	3300	2800	5000	4.0	2.1	2.0	70	21
91	212	264	44	1.3	PHQ531_0055K102_0060 EZ404U	550	550	948	33.00	33/1	3300	2800	5000	4.0	3.5	2.0	70	23
91	227	246	48	1.2	PHQ531_0055K102_0060 EZ502U	550	550	948	33.00	33/1	3300	2800	5000	4.0	5.7	2.0	70	22
91	227	255	48	1.2	PHQ531_0055K102_0060 EZ701U	550	550	948	33.00	33/1	3300	2800	5000	4.0	9.0	2.0	70	24
98	45	48	16	3.8	PHQ531_0055K102_0056 EZ302U	143	143	232	30.62	8360/273	3300	2800	5000	4.0	0.97	2.0	70	18
98	59	62	21	2.9	PHQ531_0055K102_0056 EZ303U	171	171	232	30.62	8360/273	3300	2800	5000	4.0	1.1	2.0	70	18
98	80	86	18	3.5	PHQ531_0055K102_0056 EZ401U	242	242	929	30.62	8360/273	3300	2800	5000	4.0	1.6	2.0	70	20
98	123	134	27	2.3	PHQ531_0055K102_0056 EZ501U	456	456	929	30.62	8360/273	3300	2800	5000	4.0	3.6	2.0	70	21
98	134	148	30	2.1	PHQ531_0055K102_0056 EZ402U	456	456	929	30.62	8360/273	3300	2800	5000	4.0	2.3	2.0	70	21
98	197	245	44	1.4	PHQ531_0055K102_0056 EZ404U	550	550	929	30.62	8360/273	3300	2800	5000	4.0	3.7	2.0	70	23
98	211	228	47	1.3	PHQ531_0055K102_0056 EZ502U	550	550	929	30.62	8360/273	3300	2800	5000	4.0	5.9	2.0	70	22
98	211	237	47	1.3	PHQ531_0055K102_0056 EZ701U	550	550	929	30.62	8360/273	3300	2800	5000	4.0	9.2	2.0	70	24
98	277	317	61	1.0	PHQ531_0055K102_0056 EZ503U	550	550	929	30.62	8360/273	3300	2800	5000	4.0	8.3	2.0	70	24
136	42	45	27	2.9	PHQ531_0055K102_0040 EZ303U	123	123	167	22.00	22/1	3300	2800	5000	4.0	1.3	2.0	70	18
136	57	61	17	4.8	PHQ531_0055K102_0040 EZ401U	174	174	667	22.00	22/1	3300	2800	5000	4.0	1.8	2.0	70	20
136	88	96	26	3.1	PHQ531_0055K102_0040 EZ501U	328	328	667	22.00	22/1	3300	2800	5000	4.0	3.8	2.0	70	21
136	96	107	28	2.8	PHQ531_0055K102_0040 EZ402U	328	328	667	22.00	22/1	3300	2800	5000	4.0	2.5	2.0	70	21
136	141	176	41	1.9	PHQ531_0055K102_0040 EZ404U	492	492	667	22.00	22/1	3300	2800	5000	4.0	3.9	2.0	70	23
136	152	164	44	1.8	PHQ531_0055K102_0040 EZ502U	492	492	667	22.00	22/1	3300	2800	5000	4.0	6.1	2.0	70	22
136	152	170	44	1.8	PHQ531_0055K102_0040 EZ701U	410	410	667	22.00	22/1	3300	2800	5000	4.0	9.4	2.0	70	24
136	199	227	58	1.4	PHQ531_0055K102_0040 EZ503U	492	492	667	22.00	22/1	3300	2800	5000	4.0	8.5	2.0	70	24
PHQ531K (n _{1N} = 6000 rpm, M _{2acc,max} = 550 Nm)																		
19	256	273	10	1.1	PHQ531_0055K102_0560 EZ301U	542	542	948	308.5	6479/21	4000	4000	7000	4.0	0.21	2.0	70	17
22	229	245	10	1.2	PHQ531_0055K102_0500 EZ301U	316	316	572	276.7	55341/200	4000	4000	7000	4.0	0.21	2.0	70	17
23	214	228	9.6	1.3	PHQ531_0055K102_0470 EZ301U	550	550	948	258.0	25289/98	4000	4000	7000	4.0	0.22	2.0	70	17
27	184	196	9.2	1.5	PHQ531_0055K102_0400 EZ301U	389	389	704	221.7	4433/20	4000	4000	7000	4.0	0.21	2.0	70	17
31	160	171	8.9	1.8	PHQ531_0055K102_0350 EZ301U	503	503	948	193.1	20273/105	4000	4000	7000	4.0	0.23	2.0	70	17
31	270	302	15	1.0	PHQ531_0055K102_0350 EZ302U	550	550	948	193.1	20273/105	4000	4000	7000	4.0	0.33	2.0	70	18
32	154	164	8.8	1.8	PHQ531_0055K102_0340 EZ301U	462	462	836	185.4	51909/280	4000	4000	7000	4.0	0.22	2.0	70	17
32	259	290	15	1.1	PHQ531_0055K102_0340 EZ302U	462	462	836	185.4	51909/280	4000	4000	7000	4.0	0.32	2.0	70	18
39	128	136	8.4	2.2	PHQ531_0055K102_0280 EZ301U	402	402	948	154.3	6479/42	4000	4000	7000	4.0	0.26	2.0	70	17
39	215	241	14	1.3	PHQ531_0055K102_0280 EZ302U	550	550	948	154.3	6479/42	4000	4000	7000	4.0	0.36	2.0	70	18
43	115	123	8.2	2.4	PHQ531_0055K102_0250 EZ301U	362	362	806	138.7	13871/100	4000	4000	7000	4.0	0.24	2.0	70	17
43	194	217	14	1.4	PHQ531_0055K102_0250 EZ302U	550	550	806	138.7	13871/100	4000	4000	7000	4.0	0.34	2.0	70	18
43	253	291	18	1.1	PHQ531_0055K102_0250 EZ303U	550	550	806	138.7	13871/100	4000	4000	7000	4.0	0.45	2.0	70	18
47	106	113	8.0	2.6	PHQ531_0055K102_0230 EZ301U	334	334	911	128.0	6270/49	4000	4000	7000	4.0	0.28	2.0	70	17
47	179	200	14	1.6	PHQ531_0055K102_0230 EZ302U	550	550	911	128.0	6270/49	4000	4000	7000	4.0	0.38	2.0	70	18
47	234	268	18	1.2	PHQ531_0055K102_0230 EZ303U	550	550	911	128.0	6270/49	4000	4000	7000	4.0	0.49	2.0	70	18
47	274	334	21	1.0	PHQ531_0055K102_0230 EZ401U	550	550	948	128.0	6270/49	4000	4000	7000	4.0	1.0	2.0	70	20
54	92	98	7.8	3.0	PHQ531_0055K102_0200 EZ301U	289	289	694										

n _{2N}	M _{2N}	M _{2,0}	a _{th}	S	Type	M _{2acc}	M _{2accHT}	M _{2NOT}	i	i _{exakt}	n _{1max}		n _{1maxZB}	Δφ ₂	J ₁	Δφ _{2red}	C ₂	m
[rpm]	[Nm]	[Nm]				[Nm]	[Nm]	[Nm]			EL1,2 [rpm]	EL3,4,5,6 [rpm]	[rpm]	[arc min]	[kgcm ²]	[arc min]	[Nm/ arcmin]	[kg]
PHQ531K (n _{1N} = 6000 rpm, M _{2acc,max} = 550 Nm)																		
77	64	69	7.1	4.4	PHQ531_0055K102_0140 EZ301U	202	202	588	77.63	2717/35	4000	3800	6000	4.0	0.37	2.0	70	17
77	108	121	12	2.6	PHQ531_0055K102_0140 EZ302U	361	361	588	77.63	2717/35	4000	3800	6000	4.0	0.47	2.0	70	18
77	142	163	16	2.0	PHQ531_0055K102_0140 EZ303U	434	434	588	77.63	2717/35	4000	3800	6000	4.0	0.58	2.0	70	18
77	166	202	18	1.7	PHQ531_0055K102_0140 EZ401U	550	550	948	77.63	2717/35	4000	3800	6000	4.0	1.1	2.0	70	20
77	246	318	27	1.1	PHQ531_0055K102_0140 EZ501U	550	550	948	77.63	2717/35	4000	3800	6000	4.0	3.1	2.0	70	21
77	253	354	28	1.1	PHQ531_0055K102_0140 EZ402U	550	550	948	77.63	2717/35	4000	3800	6000	4.0	1.8	2.0	70	21
86	97	109	12	2.9	PHQ531_0055K102_0125 EZ302U	323	323	526	69.40	4719/68	4000	3800	6000	4.0	0.45	2.0	70	18
86	127	145	15	2.2	PHQ531_0055K102_0125 EZ303U	388	388	526	69.40	4719/68	4000	3800	6000	4.0	0.56	2.0	70	18
86	149	181	18	1.9	PHQ531_0055K102_0125 EZ401U	549	549	948	69.40	4719/68	4000	3800	6000	4.0	1.1	2.0	70	20
86	220	284	26	1.3	PHQ531_0055K102_0125 EZ501U	550	550	948	69.40	4719/68	4000	3800	6000	4.0	3.1	2.0	70	21
86	226	317	27	1.2	PHQ531_0055K102_0125 EZ402U	550	550	948	69.40	4719/68	4000	3800	6000	4.0	1.8	2.0	70	21
108	78	87	11	3.6	PHQ531_0055K102_0100 EZ302U	260	260	423	55.77	5577/100	4000	3800	6000	4.0	0.51	2.0	70	18
108	102	117	14	2.8	PHQ531_0055K102_0100 EZ303U	312	312	423	55.77	5577/100	4000	3800	6000	4.0	0.62	2.0	70	18
108	119	145	17	2.3	PHQ531_0055K102_0100 EZ401U	441	441	948	55.77	5577/100	4000	3800	6000	4.0	1.2	2.0	70	20
108	177	229	25	1.6	PHQ531_0055K102_0100 EZ501U	550	550	948	55.77	5577/100	4000	3800	6000	4.0	3.1	2.0	70	21
108	182	254	26	1.5	PHQ531_0055K102_0100 EZ402U	550	550	948	55.77	5577/100	4000	3800	6000	4.0	1.9	2.0	70	21
108	270	405	38	1.0	PHQ531_0055K102_0100 EZ502U	550	550	948	55.77	5577/100	4000	3800	6000	4.0	5.4	2.0	70	22
108	270	410	38	1.0	PHQ531_0055K102_0100 EZ701U	550	550	948	55.77	5577/100	4000	3800	6000	4.0	8.7	2.0	70	24
PHQ731K (n _{1N} = 3000 rpm, M _{2acc,max} = 1050 Nm)																		
9.8	452	478	11	1.1	PHQ731_0055K202_0560 EZ302U	1006	1006	1548	305.5	14663/48	4000	3900	6500	4.0	0.34	2.0	136	30
11	411	434	11	1.2	PHQ731_0055K202_0500 EZ302U	610	610	1055	277.7	6665/24	4000	3900	6500	4.0	0.33	2.0	136	30
12	376	398	11	1.3	PHQ731_0055K202_0460 EZ302U	1050	1050	1477	254.2	20339/80	4000	3900	6500	4.0	0.36	2.0	136	30
12	490	518	14	1.0	PHQ731_0055K202_0460 EZ303U	1050	1050	1477	254.2	20339/80	4000	3900	6500	4.0	0.47	2.0	136	31
14	329	348	10	1.5	PHQ731_0055K202_0400 EZ302U	732	732	1126	222.2	1333/6	4000	3900	6500	4.0	0.35	2.0	136	30
14	428	453	13	1.2	PHQ731_0055K202_0400 EZ303U	732	732	1126	222.2	1333/6	4000	3900	6500	4.0	0.46	2.0	136	31
16	281	297	9.9	1.8	PHQ731_0055K202_0350 EZ302U	885	885	1228	190.0	21285/112	4000	3900	6500	4.0	0.41	2.0	136	30
16	366	388	13	1.4	PHQ731_0055K202_0350 EZ303U	905	905	1228	190.0	21285/112	4000	3900	6500	4.0	0.52	2.0	136	31
16	496	531	17	1.0	PHQ731_0055K202_0350 EZ401U	1050	1050	2100	190.0	21285/112	4000	3900	6500	4.0	1.1	2.0	136	32
16	274	289	9.8	1.8	PHQ731_0055K202_0340 EZ302U	792	792	1074	184.9	1849/10	4000	3900	6500	4.0	0.37	2.0	136	30
16	356	377	13	1.4	PHQ731_0055K202_0340 EZ303U	792	792	1074	184.9	1849/10	4000	3900	6500	4.0	0.48	2.0	136	31
16	482	517	17	1.0	PHQ731_0055K202_0340 EZ401U	976	976	1765	184.9	1849/10	4000	3900	6500	4.0	1.0	2.0	136	32
20	401	429	16	1.2	PHQ731_0055K202_0280 EZ401U	1050	1050	2100	153.7	6149/40	4000	3900	6500	4.0	1.1	2.0	136	32
22	205	216	9.1	2.4	PHQ731_0055K202_0250 EZ302U	644	644	893	138.2	1935/14	4000	3900	6500	4.0	0.43	2.0	136	30
22	266	282	12	1.9	PHQ731_0055K202_0250 EZ303U	658	658	893	138.2	1935/14	4000	3900	6500	4.0	0.54	2.0	136	31
22	360	386	16	1.4	PHQ731_0055K202_0250 EZ401U	1050	1050	2100	138.2	1935/14	4000	3900	6500	4.0	1.1	2.0	136	32
24	189	199	8.9	2.6	PHQ731_0055K202_0230 EZ302U	594	594	966	127.5	32637/256	4000	3900	6500	4.0	0.53	2.0	136	30
24	246	260	12	2.0	PHQ731_0055K202_0230 EZ303U	713	713	966	127.5	32637/256	4000	3900	6500	4.0	0.64	2.0	136	31
24	332	356	16	1.5	PHQ731_0055K202_0230 EZ401U	1009	1009	2100	127.5	32637/256	4000	3900	6500	4.0	1.2	2.0	136	32
27	291	312	15	1.7	PHQ731_0055K202_0200 EZ401U	885	885	2100	111.8	559/5	4000	3900	6500	4.0	1.1	2.0	136	32
27	448	489	23	1.1	PHQ731_0055K202_0200 EZ501U	1050	1050	2100	111.8	559/5	4000	3900	6500	4.0	3.1	2.0	136	33
27	489	541	26	1.0	PHQ731_0055K202_0200 EZ402U	1050	1050	2100	111.8	559/5	4000	3900	6500	4.0	1.8	2.0	136	33
31	142	150	8.3	3.5	PHQ731_0055K202_0175 EZ302U	447	447	728	96.08	6149/64	3900	3500	5500	4.0	0.66	2.0	136	30
31	185	196	11	2.7	PHQ731_0055K202_0175 EZ303U	537	537	728	96.08	6149/64	3900	3500	5500	4.0	0.77	2.0	136	31
31	251	268	15	2.0	PHQ731_0055K202_0175 EZ401U	760	760	2100	96.08	6149/64	3900	3500	5500	4.0	1.3	2.0	136	32
31	385	421	23	1.3	PHQ731_0055K202_0175 EZ501U	1050	1050	2100	96.08	6149/64	3900	3500	5500	4.0	3.3	2.0	136	33
31	421	465	25	1.2	PHQ731_0055K202_0175 EZ402U	1050	1050	2100	96.08	6149/64	3900	3500	5500	4.0	2.0	2.0	136	33
32	137	145	8.3	3.6	PHQ731_0055K202_0170 EZ302U	432	432	703	92.72	2967/32	4000	3900	6500	4.0	0.56	2.0	136	30
32	179	189	11	2.8	PHQ731_0055K202_0170 EZ303U	518	518	703	92.72	2967/32	4000	3900	6500	4.0	0.67	2.0	136	31
32	242	259	15	2.1	PHQ731_0055K202_0170 EZ401U	734	734	2100	92.72	2967/32	4000	3900	6500	4.0	1.2	2.0	136	32
32	371	406	22	1.3	PHQ731_0055K202_0170 EZ501U	1050	1050	2100	92.72	2967/32	4000	3900	6500	4.0	3.2	2.0	136	33
32	406	449	24	1.2	PHQ731_0055K202_0170 EZ402U	1050	1050	2100	92.72	2967/32	4000	3900	6500	4.0	1			

n _{2N}	M _{2N}	M _{2,0}	a _{th}	S	Type	M _{2acc}	M _{2accHT}	M _{2NOT}	i	i _{exakt}	n _{1maxDB}		n _{1maxZB}	Δφ ₂	J ₁	Δφ _{2red}	C ₂	m
[rpm]	[Nm]	[Nm]				[Nm]	[Nm]	[Nm]			EL1,2	EL3,4,5,6	[rpm]	[arc min]	[kgcm ²]	[arc min]	[Nm/ arcmin]	[kg]
PHQ731K (n _{1N} = 3000 rpm, M _{2acc,max} = 1050 Nm)																		
47	122	130	14	2.9	PHQ731_0055K202_0115 EZ303U	355	355	481	63.50	13717/216	3500	3100	5000	4.0	1.1	2.0	136	31
47	166	177	13	3.0	PHQ731_0055K202_0115 EZ401U	503	503	1925	63.50	13717/216	3500	3100	5000	4.0	1.6	2.0	136	32
47	254	278	20	2.0	PHQ731_0055K202_0115 EZ501U	946	946	1925	63.50	13717/216	3500	3100	5000	4.0	3.6	2.0	136	33
47	278	307	22	1.8	PHQ731_0055K202_0115 EZ402U	946	946	1925	63.50	13717/216	3500	3100	5000	4.0	2.3	2.0	136	33
47	408	509	33	1.2	PHQ731_0055K202_0115 EZ404U	1050	1050	1925	63.50	13717/216	3500	3100	5000	4.0	3.7	2.0	136	35
47	438	473	35	1.1	PHQ731_0055K202_0115 EZ502U	1050	1050	1925	63.50	13717/216	3500	3100	5000	4.0	5.9	2.0	136	35
47	438	491	35	1.1	PHQ731_0055K202_0115 EZ701U	1050	1050	2100	63.50	13717/216	3500	3100	5000	4.0	9.2	2.0	136	37
54	144	155	13	3.5	PHQ731_0055K202_0100 EZ401U	439	439	1680	55.40	2881/52	3900	3500	5500	4.0	1.5	2.0	136	32
54	222	242	20	2.3	PHQ731_0055K202_0100 EZ501U	825	825	1680	55.40	2881/52	3900	3500	5500	4.0	3.5	2.0	136	33
54	242	268	21	2.1	PHQ731_0055K202_0100 EZ402U	825	825	1680	55.40	2881/52	3900	3500	5500	4.0	2.2	2.0	136	33
54	356	444	31	1.4	PHQ731_0055K202_0100 EZ404U	1050	1050	1680	55.40	2881/52	3900	3500	5500	4.0	3.6	2.0	136	35
54	382	413	34	1.3	PHQ731_0055K202_0100 EZ502U	1050	1050	1680	55.40	2881/52	3900	3500	5500	4.0	5.8	2.0	136	35
54	382	428	34	1.3	PHQ731_0055K202_0100 EZ701U	1032	1032	2100	55.40	2881/52	3900	3500	5500	4.0	9.1	2.0	136	37
59	132	141	12	3.8	PHQ731_0055K202_0092 EZ401U	400	400	1533	50.55	25069/496	3500	3100	5000	4.0	1.9	2.0	136	32
59	202	221	19	2.5	PHQ731_0055K202_0092 EZ501U	753	753	1533	50.55	25069/496	3500	3100	5000	4.0	3.8	2.0	136	33
59	221	245	21	2.3	PHQ731_0055K202_0092 EZ402U	753	753	1533	50.55	25069/496	3500	3100	5000	4.0	2.6	2.0	136	33
59	325	405	31	1.5	PHQ731_0055K202_0092 EZ404U	1050	1050	1533	50.55	25069/496	3500	3100	5000	4.0	3.9	2.0	136	35
59	348	377	33	1.4	PHQ731_0055K202_0092 EZ502U	1050	1050	1533	50.55	25069/496	3500	3100	5000	4.0	6.1	2.0	136	35
59	348	391	33	1.4	PHQ731_0055K202_0092 EZ701U	941	941	2100	50.55	25069/496	3500	3100	5000	4.0	9.4	2.0	136	37
59	457	522	43	1.1	PHQ731_0055K202_0092 EZ503U	1050	1050	1533	50.55	25069/496	3500	3100	5000	4.0	8.5	2.0	136	36
65	89	94	17	2.9	PHQ731_0055K202_0084 EZ303U	258	258	350	46.18	1247/27	3500	3100	5000	4.0	1.2	2.0	136	31
65	120	129	12	4.2	PHQ731_0055K202_0084 EZ401U	366	366	1400	46.18	1247/27	3500	3100	5000	4.0	1.7	2.0	136	32
65	185	202	19	2.7	PHQ731_0055K202_0084 EZ501U	688	688	1400	46.18	1247/27	3500	3100	5000	4.0	3.7	2.0	136	33
65	202	224	20	2.5	PHQ731_0055K202_0084 EZ402U	688	688	1400	46.18	1247/27	3500	3100	5000	4.0	2.4	2.0	136	33
65	297	370	30	1.7	PHQ731_0055K202_0084 EZ404U	1032	1032	1400	46.18	1247/27	3500	3100	5000	4.0	3.8	2.0	136	35
65	318	344	32	1.6	PHQ731_0055K202_0084 EZ502U	1032	1032	1400	46.18	1247/27	3500	3100	5000	4.0	6.0	2.0	136	35
65	318	357	32	1.6	PHQ731_0055K202_0084 EZ701U	860	860	2100	46.18	1247/27	3500	3100	5000	4.0	9.3	2.0	136	37
65	417	477	42	1.2	PHQ731_0055K202_0084 EZ503U	1032	1032	1400	46.18	1247/27	3500	3100	5000	4.0	8.4	2.0	136	36
77	270	303	31	1.9	PHQ731_0055K202_0071 EZ701U	729	729	2100	39.15	23177/592	3000	2600	4500	4.0	9.9	2.0	136	37
77	437	525	50	1.1	PHQ731_0055K202_0071 EZ702U	1050	1050	2100	39.15	23177/592	3000	2600	4500	4.0	15	2.0	136	39
77	492	583	56	1.0	PHQ731_0055K202_0071 EZ505U	1050	1050	2100	39.15	23177/592	3000	2600	4500	4.0	14	2.0	136	39
82	147	161	18	3.4	PHQ731_0055K202_0067 EZ501U	548	548	1115	36.76	2279/62	3500	3100	5000	4.0	4.0	2.0	136	33
82	161	178	19	3.1	PHQ731_0055K202_0067 EZ402U	548	548	1115	36.76	2279/62	3500	3100	5000	4.0	2.8	2.0	136	33
82	236	294	28	2.1	PHQ731_0055K202_0067 EZ404U	822	822	1115	36.76	2279/62	3500	3100	5000	4.0	4.1	2.0	136	35
82	253	274	30	2.0	PHQ731_0055K202_0067 EZ502U	822	822	1115	36.76	2279/62	3500	3100	5000	4.0	6.3	2.0	136	35
82	253	284	30	2.0	PHQ731_0055K202_0067 EZ701U	685	685	2100	36.76	2279/62	3500	3100	5000	4.0	9.6	2.0	136	37
82	332	380	40	1.5	PHQ731_0055K202_0067 EZ503U	822	822	1115	36.76	2279/62	3500	3100	5000	4.0	8.7	2.0	136	36
82	411	493	49	1.2	PHQ731_0055K202_0067 EZ702U	1050	1050	2100	36.76	2279/62	3500	3100	5000	4.0	15	2.0	136	39
82	462	548	56	1.1	PHQ731_0055K202_0067 EZ505U	1050	1050	2100	36.76	2279/62	3500	3100	5000	4.0	13	2.0	136	39
91	132	144	17	3.8	PHQ731_0055K202_0060 EZ501U	492	492	1000	33.00	33/1	3000	2600	4500	4.0	4.7	2.0	136	33
91	144	160	19	3.5	PHQ731_0055K202_0060 EZ402U	492	492	1000	33.00	33/1	3000	2600	4500	4.0	3.4	2.0	136	33
91	212	264	28	2.4	PHQ731_0055K202_0060 EZ404U	737	737	1000	33.00	33/1	3000	2600	4500	4.0	4.7	2.0	136	35
91	227	246	30	2.2	PHQ731_0055K202_0060 EZ502U	737	737	1000	33.00	33/1	3000	2600	4500	4.0	7.0	2.0	136	35
91	227	255	30	2.2	PHQ731_0055K202_0060 EZ701U	615	615	2100	33.00	33/1	3000	2600	4500	4.0	10	2.0	136	37
91	298	341	39	1.7	PHQ731_0055K202_0060 EZ503U	737	737	1000	33.00	33/1	3000	2600	4500	4.0	9.3	2.0	136	36
91	369	443	48	1.4	PHQ731_0055K202_0060 EZ702U	1050	1050	2100	33.00	33/1	3000	2600	4500	4.0	15	2.0	136	39
91	415	492	54	1.2	PHQ731_0055K202_0060 EZ505U	1050	1050	2100	33.00	33/1	3000	2600	4500	4.0	14	2.0	136	39
105	196	220	29	2.5	PHQ731_0055K202_0052 EZ701U	530	530	2100	28.47	2107/74	3000	2600	4500	4.0	10	2.0	136	37
105	318	382	46	1.6	PHQ731_0055K202_0052 EZ702U	1004	1004	2100	28.47	2107/74	3000	2600	4500	4.0	15	2.0	136	39
105	358	424	52	1.4	PHQ731_0055K202_0052 EZ505U	1004	1004	2100	28.47	2107/74	3000	2600	4500	4.0	14	2.0	136	39
105	437	552	64	1.1	PHQ731_0055K202_0052 EZ703U	1004	1004	2100	28.47	2107/74	3000	2600	4500	4.0	23	2.0		

n _{2N}	M _{2N}	M _{2,0}	a _{th}	S	Type	M _{2acc}	M _{2accHT}	M _{2NOT}	i	i _{exakt}	n _{1maxDB}	n _{1maxZB}	Δφ ₂	J ₁	Δφ _{2red}	C ₂	m	
[rpm]	[Nm]	[Nm]				[Nm]	[Nm]	[Nm]			EL1,2	EL3,4,5,6						
											[rpm]	[rpm]	[rpm]	[arc	[kgcm²	[arc	[Nm/	
														min]		min]	arcmin]	
PHQ731K (n _{1N} = 4500 rpm, M _{2acc,max} = 1050 Nm)																		
81	490	789	43	1.0	PHQ731_0055K202_0100 EZ505U	1050	1050	2100	55.40	2881/52	3900	3500	5500	4.0	13	2.0	136	39
89	447	720	42	1.1	PHQ731_0055K202_0092 EZ505U	1050	1050	2100	50.55	25069/496	3500	3100	5000	4.0	13	2.0	136	39
97	409	658	41	1.2	PHQ731_0055K202_0084 EZ505U	1050	1050	2100	46.18	1247/27	3500	3100	5000	4.0	13	2.0	136	39
115	346	558	40	1.4	PHQ731_0055K202_0071 EZ505U	1050	1050	2100	39.15	23177/592	3000	2600	4500	4.0	14	2.0	136	39
115	441	729	51	1.1	PHQ731_0055K202_0071 EZ703U	1050	1050	2100	39.15	23177/592	3000	2600	4500	4.0	23	2.0	136	41
122	325	524	39	1.5	PHQ731_0055K202_0067 EZ505U	1050	1050	2100	36.76	2279/62	3500	3100	5000	4.0	13	2.0	136	39
122	414	685	50	1.2	PHQ731_0055K202_0067 EZ703U	1050	1050	2100	36.76	2279/62	3500	3100	5000	4.0	23	2.0	136	41
136	292	470	39	1.7	PHQ731_0055K202_0060 EZ505U	1050	1050	2100	33.00	33/1	3000	2600	4500	4.0	14	2.0	136	39
136	372	615	50	1.3	PHQ731_0055K202_0060 EZ703U	1050	1050	2100	33.00	33/1	3000	2600	4500	4.0	23	2.0	136	41
158	252	406	40	1.8	PHQ731_0055K202_0052 EZ505U	1004	1004	2100	28.47	21077/74	3000	2600	4500	4.0	14	2.0	136	39
158	321	530	50	1.4	PHQ731_0055K202_0052 EZ703U	1004	1004	2100	28.47	21077/74	3000	2600	4500	4.0	23	2.0	136	41
187	212	342	40	2.1	PHQ731_0055K202_0044 EZ505U	948	948	1819	24.00	24/1	3000	2600	4500	4.0	14	2.0	136	39
187	270	447	51	1.6	PHQ731_0055K202_0044 EZ703U	948	948	1819	24.00	24/1	3000	2600	4500	4.0	24	2.0	136	41
205	195	313	40	2.2	PHQ731_0055K202_0040 EZ505U	921	921	1667	22.00	22/1	3000	2600	4500	4.0	15	2.0	136	39
205	248	410	51	1.7	PHQ731_0055K202_0040 EZ703U	921	921	1667	22.00	22/1	3000	2600	4500	4.0	24	2.0	136	41
PHQ731K (n _{1N} = 6000 rpm, M _{2acc,max} = 1050 Nm)																		
20	427	478	10	1.2	PHQ731_0055K202_0560 EZ302U	1006	1006	1548	305.5	14663/48	4000	3900	6500	4.0	0.34	2.0	136	30
22	388	434	10	1.3	PHQ731_0055K202_0500 EZ302U	610	610	1055	277.7	6665/24	4000	3900	6500	4.0	0.33	2.0	136	30
24	355	398	10	1.4	PHQ731_0055K202_0460 EZ302U	1050	1050	1477	254.2	20339/80	4000	3900	6500	4.0	0.36	2.0	136	30
24	464	533	13	1.1	PHQ731_0055K202_0460 EZ303U	1050	1050	1477	254.2	20339/80	4000	3900	6500	4.0	0.47	2.0	136	31
27	310	348	9.7	1.6	PHQ731_0055K202_0400 EZ302U	732	732	1126	222.2	1333/6	4000	3900	6500	4.0	0.35	2.0	136	30
27	405	465	13	1.2	PHQ731_0055K202_0400 EZ303U	732	732	1126	222.2	1333/6	4000	3900	6500	4.0	0.46	2.0	136	31
27	476	579	15	1.1	PHQ731_0055K202_0400 EZ401U	732	732	1126	222.2	1333/6	4000	3900	6500	4.0	0.99	2.0	136	32
32	265	297	9.3	1.9	PHQ731_0055K202_0350 EZ302U	885	885	1228	190.0	21285/112	4000	3900	6500	4.0	0.41	2.0	136	30
32	347	398	12	1.4	PHQ731_0055K202_0350 EZ303U	905	905	1228	190.0	21285/112	4000	3900	6500	4.0	0.52	2.0	136	31
32	407	496	14	1.2	PHQ731_0055K202_0350 EZ401U	1050	1050	2100	190.0	21285/112	4000	3900	6500	4.0	1.1	2.0	136	32
32	258	289	9.2	1.9	PHQ731_0055K202_0340 EZ302U	792	792	1074	184.9	1849/10	4000	3900	6500	4.0	0.37	2.0	136	30
32	337	387	12	1.5	PHQ731_0055K202_0340 EZ303U	792	792	1074	184.9	1849/10	4000	3900	6500	4.0	0.48	2.0	136	31
32	396	482	14	1.3	PHQ731_0055K202_0340 EZ401U	976	976	1765	184.9	1849/10	4000	3900	6500	4.0	1.0	2.0	136	32
39	329	401	14	1.5	PHQ731_0055K202_0280 EZ401U	1050	1050	2100	153.7	6149/40	4000	3900	6500	4.0	1.1	2.0	136	32
39	487	630	20	1.0	PHQ731_0055K202_0280 EZ501U	1050	1050	2100	153.7	6149/40	4000	3900	6500	4.0	3.1	2.0	136	33
43	193	216	8.6	2.6	PHQ731_0055K202_0250 EZ302U	644	644	893	138.2	1935/14	4000	3900	6500	4.0	0.43	2.0	136	30
43	252	290	11	2.0	PHQ731_0055K202_0250 EZ303U	658	658	893	138.2	1935/14	4000	3900	6500	4.0	0.54	2.0	136	31
43	296	360	13	1.7	PHQ731_0055K202_0250 EZ401U	1050	1050	2100	138.2	1935/14	4000	3900	6500	4.0	1.1	2.0	136	32
43	438	566	19	1.1	PHQ731_0055K202_0250 EZ501U	1050	1050	2100	138.2	1935/14	4000	3900	6500	4.0	3.0	2.0	136	33
43	450	631	20	1.1	PHQ731_0055K202_0250 EZ402U	1050	1050	2100	138.2	1935/14	4000	3900	6500	4.0	1.8	2.0	136	33
47	178	199	8.4	2.8	PHQ731_0055K202_0230 EZ302U	594	594	966	127.5	32637/256	4000	3900	6500	4.0	0.53	2.0	136	30
47	233	267	11	2.1	PHQ731_0055K202_0230 EZ303U	713	713	966	127.5	32637/256	4000	3900	6500	4.0	0.64	2.0	136	31
47	273	332	13	1.8	PHQ731_0055K202_0230 EZ401U	1009	1009	2100	127.5	32637/256	4000	3900	6500	4.0	1.2	2.0	136	32
47	404	522	19	1.2	PHQ731_0055K202_0230 EZ501U	1050	1050	2100	127.5	32637/256	4000	3900	6500	4.0	3.1	2.0	136	33
47	416	582	20	1.2	PHQ731_0055K202_0230 EZ402U	1050	1050	2100	127.5	32637/256	4000	3900	6500	4.0	1.9	2.0	136	33
54	239	291	13	2.1	PHQ731_0055K202_0200 EZ401U	885	885	2100	111.8	559/5	4000	3900	6500	4.0	1.1	2.0	136	32
54	354	458	18	1.4	PHQ731_0055K202_0200 EZ501U	1050	1050	2100	111.8	559/5	4000	3900	6500	4.0	3.1	2.0	136	33
54	364	510	19	1.4	PHQ731_0055K202_0200 EZ402U	1050	1050	2100	111.8	559/5	4000	3900	6500	4.0	1.8	2.0	136	33
65	130	145	7.8	3.9	PHQ731_0055K202_0170 EZ302U	432	432	703	92.72	2967/32	4000	3900	6500	4.0	0.56	2.0	136	30
65	169	194	10	3.0	PHQ731_0055K202_0170 EZ303U	518	518	703	92.72	2967/32	4000	3900	6500	4.0	0.67	2.0	136	31
65	199	242	12	2.5	PHQ731_0055K202_0170 EZ401U	734	734	2100	92.72	2967/32	4000	3900	6500	4.0	1.2	2.0	136	32
65	294	380	18	1.7	PHQ731_0055K202_0170 EZ501U	1050	1050	2100	92.72	2967/32	4000	3900	6500	4.0	3.2	2.0	136	33
65	302	423	18	1.7	PHQ731_0055K202_0170 EZ402U	1050	1050	2100	92.72	2967/32	4000	3900	6500	4.0	1.9	2.0	136	33
65	449	673	27	1.1	PHQ731_0055K202_0170 EZ502U	1050	1050	2100	92.72	2967/32	4000	3900	6500	4.0	5.5	2.0	136	35
65	449	682	27	1.1	PHQ731_0055K202_0170 EZ701U	1050	1050	2100	92.72	2967/32	4000	3900	6500	4.0	8.8	2.0	136	37
PHQ831K (n _{1N} = 2000 rpm, M _{2acc,max} = 2770 Nm)																		
61	1343	2031	75															

n _{2N}	M _{2N}	M _{2,0}	a _{th}	S	Type	M _{2acc}	M _{2accHT}	M _{2NOT}	i	i _{exakt}	n _{1maxDB}	n _{1maxZB}	Δφ ₂	J ₁	Δφ _{2red}	C ₂	m	
[rpm]	[Nm]	[Nm]				[Nm]	[Nm]	[Nm]			EL1,2 [rpm]	EL3,4,5,6 [rpm]	[rpm]	[arc min]	[kgcm ² min]	[Nm/ arcmin]	[kg]	
PHQ831K (n _{1N} = 3000 rpm, M _{2acc,max} = 2800 Nm)																		
16	1317	1478	20	1.1	PHQ831_0055K402_0350 EZ701U	2800	3168	4964	191.2	45881/240	3600	3300	5500	3.5	9.0	1.5	400	74
16	742	811	11	1.9	PHQ831_0055K402_0340 EZ501U	2464	2464	4069	185.2	2408/13	3600	3300	5500	3.5	3.2	1.5	400	70
16	1276	1380	20	1.1	PHQ831_0055K402_0340 EZ502U	2464	2464	4069	185.2	2408/13	3600	3300	5500	3.5	5.5	1.5	400	72
16	1276	1432	20	1.1	PHQ831_0055K402_0340 EZ701U	2464	2464	4069	185.2	2408/13	3600	3300	5500	3.5	8.8	1.5	400	74
20	612	668	11	2.3	PHQ831_0055K402_0280 EZ501U	2276	2276	4273	152.7	14663/96	3600	3300	5500	3.5	3.6	1.5	400	70
20	1053	1138	19	1.3	PHQ831_0055K402_0280 EZ502U	2800	3150	4273	152.7	14663/96	3600	3300	5500	3.5	5.9	1.5	400	72
20	1053	1181	19	1.3	PHQ831_0055K402_0280 EZ701U	2800	2845	4964	152.7	14663/96	3600	3300	5500	3.5	9.2	1.5	400	74
20	1380	1579	24	1.0	PHQ831_0055K402_0280 EZ503U	2800	3150	4273	152.7	14663/96	3600	3300	5500	3.5	8.2	1.5	400	73
22	557	609	11	2.5	PHQ831_0055K402_0250 EZ501U	2072	2072	3362	139.0	4171/30	3600	3300	5500	3.5	3.4	1.5	400	70
22	958	1036	18	1.5	PHQ831_0055K402_0250 EZ502U	2479	2479	3362	139.0	4171/30	3600	3300	5500	3.5	5.7	1.5	400	72
22	958	1075	18	1.5	PHQ831_0055K402_0250 EZ701U	2589	2589	4964	139.0	4171/30	3600	3300	5500	3.5	9.0	1.5	400	74
22	1256	1437	24	1.1	PHQ831_0055K402_0250 EZ503U	2479	2479	3362	139.0	4171/30	3600	3300	5500	3.5	8.1	1.5	400	73
23	513	561	10	2.7	PHQ831_0055K402_0230 EZ501U	1909	1909	3884	128.1	6149/48	3600	3300	5500	3.5	3.8	1.5	400	70
23	883	954	18	1.6	PHQ831_0055K402_0230 EZ502U	2800	2863	3884	128.1	6149/48	3600	3300	5500	3.5	6.1	1.5	400	72
23	883	990	18	1.6	PHQ831_0055K402_0230 EZ701U	2386	2386	4964	128.1	6149/48	3600	3300	5500	3.5	9.4	1.5	400	74
23	1157	1324	23	1.2	PHQ831_0055K402_0230 EZ503U	2800	2863	3884	128.1	6149/48	3600	3300	5500	3.5	8.5	1.5	400	73
27	445	486	10	3.1	PHQ831_0055K402_0200 EZ501U	1655	1655	3107	111.1	1333/12	3600	3300	5500	3.5	3.7	1.5	400	70
27	765	828	17	1.8	PHQ831_0055K402_0200 EZ502U	2291	2291	3107	111.1	1333/12	3600	3300	5500	3.5	6.0	1.5	400	72
27	765	859	17	1.8	PHQ831_0055K402_0200 EZ701U	2069	2069	4964	111.1	1333/12	3600	3300	5500	3.5	9.3	1.5	400	74
27	1003	1148	23	1.4	PHQ831_0055K402_0200 EZ503U	2291	2291	3107	111.1	1333/12	3600	3300	5500	3.5	8.3	1.5	400	73
27	1241	1490	28	1.1	PHQ831_0055K402_0200 EZ702U	2800	3168	4964	111.1	1333/12	3600	3300	5500	3.5	14	1.5	400	76
27	1396	1655	31	1.0	PHQ831_0055K402_0200 EZ505U	2800	3168	4964	111.1	1333/12	3600	3300	5500	3.5	13	1.5	400	76
31	660	740	17	2.1	PHQ831_0055K402_0175 EZ701U	1783	1783	4964	95.73	8041/84	3400	3000	5000	3.5	9.9	1.5	400	74
31	1070	1284	27	1.3	PHQ831_0055K402_0175 EZ702U	2800	3168	4964	95.73	8041/84	3400	3000	5000	3.5	15	1.5	400	76
31	1203	1426	30	1.2	PHQ831_0055K402_0175 EZ505U	2800	3168	4964	95.73	8041/84	3400	3000	5000	3.5	14	1.5	400	76
32	373	408	9.6	3.8	PHQ831_0055K402_0170 EZ501U	1388	1388	2824	93.16	559/6	3600	3300	5500	3.5	3.9	1.5	400	70
32	642	694	16	2.2	PHQ831_0055K402_0170 EZ502U	2082	2082	2824	93.16	559/6	3600	3300	5500	3.5	6.2	1.5	400	72
32	642	720	16	2.2	PHQ831_0055K402_0170 EZ701U	1735	1735	4964	93.16	559/6	3600	3300	5500	3.5	9.5	1.5	400	74
32	842	963	22	1.7	PHQ831_0055K402_0170 EZ503U	2082	2082	2824	93.16	559/6	3600	3300	5500	3.5	8.6	1.5	400	73
32	1041	1249	27	1.3	PHQ831_0055K402_0170 EZ702U	2800	3168	4964	93.16	559/6	3600	3300	5500	3.5	15	1.5	400	76
32	1171	1388	30	1.2	PHQ831_0055K402_0170 EZ505U	2800	3168	4964	93.16	559/6	3600	3300	5500	3.5	13	1.5	400	76
39	526	590	16	2.7	PHQ831_0055K402_0140 EZ701U	1422	1422	4964	76.37	14663/192	3400	3000	5000	3.5	11	1.5	400	74
39	853	1024	25	1.6	PHQ831_0055K402_0140 EZ702U	2800	2916	4964	76.37	14663/192	3400	3000	5000	3.5	16	1.5	400	76
39	960	1138	29	1.5	PHQ831_0055K402_0140 EZ505U	2800	3168	4964	76.37	14663/192	3400	3000	5000	3.5	14	1.5	400	76
39	1173	1479	35	1.2	PHQ831_0055K402_0140 EZ703U	2800	3168	4964	76.37	14663/192	3400	3000	5000	3.5	24	1.5	400	78
43	480	538	15	2.9	PHQ831_0055K402_0125 EZ701U	1297	1297	4964	69.62	1462/21	3400	3000	5000	3.5	10	1.5	400	74
43	778	934	25	1.8	PHQ831_0055K402_0125 EZ702U	2658	2658	4964	69.62	1462/21	3400	3000	5000	3.5	15	1.5	400	76
43	875	1037	28	1.6	PHQ831_0055K402_0125 EZ505U	2800	3168	4964	69.62	1462/21	3400	3000	5000	3.5	14	1.5	400	76
43	1070	1348	34	1.3	PHQ831_0055K402_0125 EZ703U	2800	3168	4964	69.62	1462/21	3400	3000	5000	3.5	23	1.5	400	78
43	1381	1958	44	1.0	PHQ831_0055K402_0125 EZ705U	2800	3168	4964	69.62	1462/21	3400	3000	5000	3.5	36	1.5	400	84
47	437	490	15	3.2	PHQ831_0055K402_0115 EZ701U	1180	1180	4802	63.35	7095/112	3000	2600	4500	3.5	11	1.5	400	74
47	708	849	24	2.0	PHQ831_0055K402_0115 EZ702U	2419	2419	4802	63.35	7095/112	3000	2600	4500	3.5	16	1.5	400	76
47	796	944	27	1.8	PHQ831_0055K402_0115 EZ505U	2800	3168	4802	63.35	7095/112	3000	2600	4500	3.5	15	1.5	400	76
47	973	1227	33	1.4	PHQ831_0055K402_0115 EZ703U	2800	3168	4802	63.35	7095/112	3000	2600	4500	3.5	24	1.5	400	78
47	1257	1782	43	1.1	PHQ831_0055K402_0115 EZ705U	2800	3168	4964	63.35	7095/112	3000	2600	4500	3.5	37	1.5	400	84
47	1315	2189	45	1.1	PHQ831_0055K402_0115 EZ802U	2800	3168	4964	63.35	7095/112	3000	2600	4500	3.5	61	1.5	400	92
54	383	429	14	3.7	PHQ831_0055K402_0100 EZ701U	1034	1034	4209	55.54	1333/24	3400	3000	5000	3.5	11	1.5	400	74
54	621	745	23	2.3	PHQ831_0055K402_0100 EZ702U	2120	2120	4209	55.54	1333/24	3400	3000	5000	3.5	16	1.5	400	76
54	698	827	26	2.0	PHQ831_0055K402_0100 EZ505U	2800	3103	4209	55.54	1333/24	3400	3000	5000	3.5	15	1.5	400	76
54	853	1076	32	1.6	PHQ831_0055K402_0100 EZ703U	2800	3103	4209	55.54	1333/24	3400	3000	5000	3.5	24	1.5	400	78
54	1102	1562	42	1.3	PHQ831_0055K402_0100 EZ705U	2800	3168	4964	55.54	1333/24	3400	3000	5000	3.5	36	1.5	400	84
54	1153	1919	44	1.2	PHQ831_0055K402_0100 EZ802U	2800	3168	4964	55.54	1333/24	3400	3000	5000	3.5	60	1.5	400	92
54	1376	2493	52	1.0	PHQ831_0055K402_0100 EZ803U	2800	3168	4964	55.54	1333/24	3400	3000	5000	3.5	86	1.5	400	98
59	350	393	14	4.0	PHQ831_0055K402_0092 EZ701U	946	946	3852	50.81	26015/512	3000	2600	4500	3.5	12	1.5	400	74
59	568	681	23	2.5	PHQ831_0055K402_0092 EZ702U	1940	1940	3852	50.81	26015/512	3000	2600	4500	3.5	17	1.5	400	76
59	639	757	26	2.2	PHQ831_0055K402_0092 EZ505U	2800	2840	3852	50.81	26015/512	3000	2600	4500	3.5	16	1.5	400	76
59	781	984	32	1.8	PHQ831_0055K402_0092 EZ703U	2800	2840	3852	50.81	26015/512	3000	2600	4500	3.5	25	1.5	400	78
59	1008	1429	41	1.4	PHQ831_0055K402_0092 EZ705U	2800	3168	4964	50.81	26015/512	3000	2600	4500	3.5	38	1.5	400	84
59	1055	1755	43	1.3	PHQ831_0055K402_0092 EZ802U	2800	3168	4964	50.81	26015/512	3000	2600	4500	3.5	62	1.5	400	92
59	1259	2281	51	1.1	PHQ831_0055K402_0092 EZ803U	2800	3168	4964	50.81	26015/512	3000	2600	4500	3.5	87	1.5	400	98
65	317	356	14	4.4	PHQ831_0055K402_0084 EZ701U	858	858	3492	46.07	645/14	3000	2600	4500	3.5	12	1.5	400	74
65	515	618	22	2.7	PHQ831_0055K402_0084 EZ702U	1759	1759	3492	46.07	645/14	3000	2600	4500	3.5	17	1.5	400	76
65	579	686	25	2.4	PHQ831_0055K402_0084 EZ505U	2575	2575	3492	46.07	645/14	3000	2600	4500	3.5	15	1.5	400	76
65	708	89																

n_{2N}	M_{2N}	$M_{2,0}$	a_{th}	S	Type	M_{2acc}	M_{2accHT}	M_{2NOT}	i	i_{exakt}	n_{1maxDB}	n_{1maxZB}	$\Delta\varphi_2$	J_1	$\Delta\varphi_{2red}$	C_2	m	
[rpm]	[Nm]	[Nm]				[Nm]	[Nm]	[Nm]			EL1,2 [rpm]	EL3,4,5,6 [rpm]	[rpm]	[arc min]	[kgcm²]	[arc min]	[Nm/ arcmin]	[kg]
PHQ831K ($n_{1N} = 3000$ rpm, $M_{2acc,max} = 2800$ Nm)																		
65	914	1296	40	1.5	PHQ831_0055K402_0084 EZ705U	2800	3098	4964	46.07	645/14	3000	2600	4500	3.5	37	1.5	400	84
65	957	1592	42	1.5	PHQ831_0055K402_0084 EZ802U	2800	3098	4964	46.07	645/14	3000	2600	4500	3.5	61	1.5	400	92
65	1141	2068	50	1.2	PHQ831_0055K402_0084 EZ803U	2800	3098	4964	46.07	645/14	3000	2600	4500	3.5	87	1.5	400	98
73	813	1153	39	1.7	PHQ831_0055K402_0075 EZ705U	2800	2980	4964	41.01	20339/496	2600	2200	3800	3.5	39	1.5	400	84
73	852	1417	40	1.6	PHQ831_0055K402_0075 EZ802U	2800	2980	4964	41.01	20339/496	2600	2200	3800	3.5	63	1.5	400	92
73	1016	1841	48	1.4	PHQ831_0055K402_0075 EZ803U	2800	2980	4964	41.01	20339/496	2600	2200	3800	3.5	89	1.5	400	98
81	413	496	21	3.4	PHQ831_0055K402_0067 EZ702U	1411	1411	2801	36.95	2365/64	3000	2600	4500	3.5	18	1.5	400	76
81	465	551	24	3.0	PHQ831_0055K402_0067 EZ505U	2065	2065	2801	36.95	2365/64	3000	2600	4500	3.5	17	1.5	400	76
81	568	716	29	2.5	PHQ831_0055K402_0067 EZ703U	2065	2065	2801	36.95	2365/64	3000	2600	4500	3.5	26	1.5	400	78
81	733	1039	38	1.9	PHQ831_0055K402_0067 EZ705U	2800	2878	4964	36.95	2365/64	3000	2600	4500	3.5	39	1.5	400	84
81	767	1277	39	1.8	PHQ831_0055K402_0067 EZ802U	2800	2878	4964	36.95	2365/64	3000	2600	4500	3.5	63	1.5	400	92
81	915	1659	47	1.5	PHQ831_0055K402_0067 EZ803U	2800	2878	4964	36.95	2365/64	3000	2600	4500	3.5	88	1.5	400	98
91	655	928	37	2.1	PHQ831_0055K402_0060 EZ705U	2772	2772	4964	33.00	33/1	2600	2200	3800	3.5	41	1.5	400	84
91	685	1140	38	2.0	PHQ831_0055K402_0060 EZ802U	2772	2772	4964	33.00	33/1	2600	2200	3800	3.5	65	1.5	400	92
91	817	1481	46	1.7	PHQ831_0055K402_0060 EZ803U	2772	2772	4964	33.00	33/1	2600	2200	3800	3.5	91	1.5	400	98
101	591	839	36	2.4	PHQ831_0055K402_0054 EZ705U	2680	2680	4964	29.82	1849/62	2600	2200	3800	3.5	40	1.5	400	84
101	619	1030	37	2.3	PHQ831_0055K402_0054 EZ802U	2680	2680	4964	29.82	1849/62	2600	2200	3800	3.5	65	1.5	400	92
101	739	1338	45	1.9	PHQ831_0055K402_0054 EZ803U	2680	2680	4964	29.82	1849/62	2600	2200	3800	3.5	90	1.5	400	98
125	476	675	36	2.8	PHQ831_0055K402_0044 EZ705U	2324	2324	4850	24.00	24/1	2600	2200	3800	3.5	43	1.5	400	84
125	498	829	38	2.6	PHQ831_0055K402_0044 EZ802U	2235	2235	4850	24.00	24/1	2600	2200	3800	3.5	67	1.5	400	92
125	595	1077	45	2.2	PHQ831_0055K402_0044 EZ803U	2493	2493	4850	24.00	24/1	2600	2200	3800	3.5	93	1.5	400	98
136	436	619	36	2.9	PHQ831_0055K402_0040 EZ705U	2131	2131	4446	22.00	22/1	2600	2200	3800	3.5	44	1.5	400	84
136	457	760	38	2.8	PHQ831_0055K402_0040 EZ802U	2049	2049	4446	22.00	22/1	2600	2200	3800	3.5	69	1.5	400	92
136	545	987	45	2.4	PHQ831_0055K402_0040 EZ803U	2421	2421	4446	22.00	22/1	2600	2200	3800	3.5	94	1.5	400	98
PHQ831K ($n_{1N} = 4500$ rpm, $M_{2acc,max} = 2800$ Nm)																		
29	1351	2176	24	1.0	PHQ831_0055K402_0280 EZ505U	2800	3168	4964	152.7	14663/96	3600	3300	5500	3.5	13	1.5	400	76
32	1230	1981	23	1.1	PHQ831_0055K402_0250 EZ505U	2800	3168	4964	139.0	4171/30	3600	3300	5500	3.5	13	1.5	400	76
32	1359	4467	26	1.0	PHQ831_0055K402_0250 EZ802U	2800	3168	4964	139.0	4171/30	3600	3300	5500	3.5	59	1.5	400	92
35	1133	1825	23	1.2	PHQ831_0055K402_0230 EZ505U	2800	3168	4964	128.1	6149/48	3600	3300	5500	3.5	13	1.5	400	76
35	1253	4116	25	1.1	PHQ831_0055K402_0230 EZ802U	2800	3168	4964	128.1	6149/48	3600	3300	5500	3.5	59	1.5	400	92
41	983	1583	22	1.4	PHQ831_0055K402_0200 EZ505U	2800	3168	4964	111.1	1333/12	3600	3300	5500	3.5	13	1.5	400	76
41	1086	3569	24	1.3	PHQ831_0055K402_0200 EZ802U	2800	3168	4964	111.1	1333/12	3600	3300	5500	3.5	59	1.5	400	92
41	1252	2069	28	1.1	PHQ831_0055K402_0200 EZ703U	2800	3168	4964	111.1	1333/12	3600	3300	5500	3.5	22	1.5	400	78
47	847	1364	21	1.7	PHQ831_0055K402_0175 EZ505U	2800	3168	4964	95.73	8041/84	3400	3000	5000	3.5	14	1.5	400	76
47	936	3075	24	1.5	PHQ831_0055K402_0175 EZ802U	2800	3168	4964	95.73	8041/84	3400	3000	5000	3.5	59	1.5	400	92
47	1079	1783	27	1.3	PHQ831_0055K402_0175 EZ703U	2800	3168	4964	95.73	8041/84	3400	3000	5000	3.5	23	1.5	400	78
48	824	1327	21	1.7	PHQ831_0055K402_0170 EZ505U	2800	3168	4964	93.16	559/6	3600	3300	5500	3.5	13	1.5	400	76
48	911	2993	23	1.5	PHQ831_0055K402_0170 EZ802U	2800	3168	4964	93.16	559/6	3600	3300	5500	3.5	59	1.5	400	92
48	1050	1735	27	1.3	PHQ831_0055K402_0170 EZ703U	2800	3168	4964	93.16	559/6	3600	3300	5500	3.5	23	1.5	400	78
59	676	1088	20	2.1	PHQ831_0055K402_0140 EZ505U	2800	3168	4964	76.37	14663/192	3400	3000	5000	3.5	14	1.5	400	76
59	747	2453	22	1.9	PHQ831_0055K402_0140 EZ802U	2800	3168	4964	76.37	14663/192	3400	3000	5000	3.5	60	1.5	400	92
59	860	1422	26	1.6	PHQ831_0055K402_0140 EZ703U	2800	3168	4964	76.37	14663/192	3400	3000	5000	3.5	24	1.5	400	78
59	1166	2133	35	1.2	PHQ831_0055K402_0140 EZ705U	2800	3168	4964	76.37	14663/192	3400	3000	5000	3.5	36	1.5	400	84
65	616	992	20	2.3	PHQ831_0055K402_0125 EZ505U	2800	3168	4964	69.62	1462/21	3400	3000	5000	3.5	14	1.5	400	76
65	681	2237	22	2.1	PHQ831_0055K402_0125 EZ802U	2800	3168	4964	69.62	1462/21	3400	3000	5000	3.5	60	1.5	400	92
65	784	1297	25	1.8	PHQ831_0055K402_0125 EZ703U	2800	3168	4964	69.62	1462/21	3400	3000	5000	3.5	23	1.5	400	78
65	1063	1945	34	1.3	PHQ831_0055K402_0125 EZ705U	2800	3168	4964	69.62	1462/21	3400	3000	5000	3.5	36	1.5	400	84
71	560	903	19	2.5	PHQ831_0055K402_0115 EZ505U	2800	3168	4802	63.35	7095/112	3000	2600	4500	3.5	15	1.5	400	76
71	619	2035	21	2.3	PHQ831_0055K402_0115 EZ802U	2800	3168	4964	63.35	7095/112	3000	2600	4500	3.5	61	1.5	400	92
71	714	1180	24	2.0	PHQ831_0055K402_0115 EZ703U	2800	3168	4802	63.35	7095/112	3000	2600	4500	3.5	24	1.5	400	78
71	967	1770	33	1.4	PHQ831_0055K402_0115 EZ705U	2800	3168											

n _{2N}	M _{2N}	M _{2,0}	a _{th}	S	Type	M _{2acc}	M _{2accHT}	M _{2NOT}	i	i _{exakt}	n _{1maxDB}		n _{1maxZB}	ΔΦ ₂	J ₁	ΔΦ _{2red}	C ₂	m
[rpm]	[Nm]	[Nm]				[Nm]	[Nm]	[Nm]			[rpm]	[rpm]	[rpm]	[arc min]	[kgcm ²]	[arc min]	[Nm/ arcmin]	[kg]
PHQ831K (n _{1N} = 4500 rpm, M _{2acc,max} = 2800 Nm)																		
122	361	1187	20	3.7	PHQ831_0055K402_0067 EZ802U	2800	2878	4964	36.95	2365/64	3000	2600	4500	3.5	63	1.5	400	92
122	416	688	23	3.2	PHQ831_0055K402_0067 EZ703U	2065	2065	2801	36.95	2365/64	3000	2600	4500	3.5	26	1.5	400	78
122	564	1032	30	2.4	PHQ831_0055K402_0067 EZ705U	2800	2878	4964	36.95	2365/64	3000	2600	4500	3.5	39	1.5	400	84
PHQ941K (n _{1N} = 2000 rpm, M _{2acc,max} = 5760 Nm)																		
23	3498	5291	57	1.1	PHQ941_0060K513_0145 EZ805U	5760	5760	11250	87.22	11774/135	2300	2200	3600	4.0	139	2.0	771	133
26	3082	4662	54	1.2	PHQ941_0060K513_0130 EZ805U	5760	5760	11250	76.85	1537/20	2300	2200	3600	4.0	140	2.0	771	133
29	2784	4211	53	1.4	PHQ941_0060K513_0115 EZ805U	5760	5760	11250	69.41	10759/155	2300	2200	3600	4.0	141	2.0	771	133
33	2442	3694	51	1.6	PHQ941_0060K513_0100 EZ805U	5760	5760	11250	60.90	609/10	1900	1800	3200	4.0	143	2.0	771	133
36	2206	3337	49	1.7	PHQ941_0060K513_0092 EZ805U	5760	5760	10954	55.01	8526/155	1900	1800	3200	4.0	145	2.0	771	133
41	1957	2961	48	1.9	PHQ941_0060K513_0081 EZ805U	5760	5760	9720	48.80	17081/350	1900	1800	3200	4.0	147	2.0	771	133
45	1768	2674	48	2.1	PHQ941_0060K513_0073 EZ805U	5760	5760	8779	44.08	1102/25	1900	1800	3200	4.0	149	2.0	771	133
PHQ941K (n _{1N} = 3000 rpm, M _{2acc,max} = 5760 Nm)																		
5.2	2288	2501	9.8	1.7	PHQ941_0060K513_0970 EZ501U	5275	5275	8701	579.9	115971/200	3400	3000	5000	4.0	3.2	2.0	771	93
5.7	2067	2259	9.5	1.8	PHQ941_0060K513_0870 EZ501U	4765	4765	7859	523.7	26187/50	3400	3000	5000	4.0	3.2	2.0	771	93
5.7	3557	3845	16	1.1	PHQ941_0060K513_0870 EZ502U	4765	4765	7859	523.7	26187/50	3400	3000	5000	4.0	5.5	2.0	771	94
5.7	3557	3990	16	1.1	PHQ941_0060K513_0870 EZ701U	4765	4765	7859	523.7	26187/50	3400	3000	5000	4.0	8.8	2.0	771	96
6.4	1837	2008	9.2	2.1	PHQ941_0060K513_0780 EZ501U	5760	5760	8724	465.6	26071/56	3400	3000	5000	4.0	3.3	2.0	771	93
6.4	3162	3418	16	1.2	PHQ941_0060K513_0780 EZ502U	5760	5760	8724	465.6	26071/56	3400	3000	5000	4.0	5.6	2.0	771	94
6.4	3162	3546	16	1.2	PHQ941_0060K513_0780 EZ701U	5760	5760	8724	465.6	26071/56	3400	3000	5000	4.0	8.9	2.0	771	96
7.1	1659	1814	8.9	2.3	PHQ941_0060K513_0700 EZ501U	5673	5673	7880	420.5	841/2	3400	3000	5000	4.0	3.4	2.0	771	93
7.1	2856	3087	15	1.3	PHQ941_0060K513_0700 EZ502U	5673	5673	7880	420.5	841/2	3400	3000	5000	4.0	5.7	2.0	771	94
7.1	2856	3203	15	1.3	PHQ941_0060K513_0700 EZ701U	5673	5673	7880	420.5	841/2	3400	3000	5000	4.0	9.0	2.0	771	96
7.1	3743	4284	20	1.0	PHQ941_0060K513_0700 EZ503U	5673	5673	7880	420.5	841/2	3400	3000	5000	4.0	8.0	2.0	771	96
7.7	1528	1670	8.7	2.5	PHQ941_0060K513_0650 EZ501U	5687	5687	7950	387.3	25172/65	3400	3000	5000	4.0	3.5	2.0	771	93
7.7	2630	2843	15	1.4	PHQ941_0060K513_0650 EZ502U	5760	5760	7950	387.3	25172/65	3400	3000	5000	4.0	5.8	2.0	771	94
7.7	2630	2950	15	1.4	PHQ941_0060K513_0650 EZ701U	5760	5760	11250	387.3	25172/65	3400	3000	5000	4.0	9.1	2.0	771	96
7.7	3448	3945	20	1.1	PHQ941_0060K513_0650 EZ503U	5760	5760	7950	387.3	25172/65	3400	3000	5000	4.0	8.2	2.0	771	96
8.6	1380	1509	8.4	2.8	PHQ941_0060K513_0580 EZ501U	5136	5136	7180	349.8	22736/65	3400	3000	5000	4.0	3.5	2.0	771	93
8.6	2376	2568	15	1.6	PHQ941_0060K513_0580 EZ502U	5294	5294	7180	349.8	22736/65	3400	3000	5000	4.0	5.8	2.0	771	94
8.6	2376	2664	15	1.6	PHQ941_0060K513_0580 EZ701U	5760	5760	11250	349.8	22736/65	3400	3000	5000	4.0	9.1	2.0	771	96
8.6	3114	3563	19	1.2	PHQ941_0060K513_0580 EZ503U	5294	5294	7180	349.8	22736/65	3400	3000	5000	4.0	8.2	2.0	771	96
10	1140	1246	8.0	3.3	PHQ941_0060K513_0480 EZ501U	4243	4243	6763	289.0	8091/28	3400	3000	5000	4.0	3.9	2.0	771	93
10	1962	2122	14	1.9	PHQ941_0060K513_0480 EZ502U	4986	4986	6763	289.0	8091/28	3400	3000	5000	4.0	6.2	2.0	771	94
10	1962	2201	14	1.9	PHQ941_0060K513_0480 EZ701U	5304	5304	11250	289.0	8091/28	3400	3000	5000	4.0	9.5	2.0	771	96
10	2572	2944	18	1.5	PHQ941_0060K513_0480 EZ503U	4986	4986	6763	289.0	8091/28	3400	3000	5000	4.0	8.6	2.0	771	96
10	3182	3819	22	1.2	PHQ941_0060K513_0480 EZ702U	5760	5760	11250	289.0	8091/28	3400	3000	5000	4.0	15	2.0	771	98
10	3580	4243	25	1.1	PHQ941_0060K513_0480 EZ505U	5760	5760	11250	289.0	8091/28	3400	3000	5000	4.0	13	2.0	771	98
11	1030	1126	7.7	3.7	PHQ941_0060K513_0440 EZ501U	3833	3833	6108	261.0	261/1	3400	3000	5000	4.0	4.0	2.0	771	93
11	1773	1916	13	2.1	PHQ941_0060K513_0440 EZ502U	4504	4504	6108	261.0	261/1	3400	3000	5000	4.0	6.3	2.0	771	94
11	1773	1988	13	2.1	PHQ941_0060K513_0440 EZ701U	4791	4791	11250	261.0	261/1	3400	3000	5000	4.0	9.6	2.0	771	96
11	2323	2659	17	1.6	PHQ941_0060K513_0440 EZ503U	4504	4504	6108	261.0	261/1	3400	3000	5000	4.0	8.6	2.0	771	96
11	2874	3449	22	1.3	PHQ941_0060K513_0440 EZ702U	5760	5760	11250	261.0	261/1	3400	3000	5000	4.0	15	2.0	771	98
11	3234	3833	24	1.2	PHQ941_0060K513_0440 EZ505U	5760	5760	11250	261.0	261/1	3400	3000	5000	4.0	13	2.0	771	98
13	1570	1761	13	2.4	PHQ941_0060K513_0390 EZ701U	4243	4243	11250	231.2	8091/35	3400	3000	5000	4.0	10	2.0	771	96
13	2546	3055	21	1.5	PHQ941_0060K513_0390 EZ702U	5760	5760	11250	231.2	8091/35	3400	3000	5000	4.0	15	2.0	771	98
13	2864	3395	23	1.3	PHQ941_0060K513_0390 EZ505U	5760	5760	11250	231.2	8091/35	3400	3000	5000	4.0	14	2.0	771	98
13	3501	4413	29	1.1	PHQ941_0060K513_0390 EZ703U	5760	5760	11250	231.2	8091/35	3400	3000	5000	4.0	23	2.0	771	100
14	1418	1591	12	2.7	PHQ941_0060K513_0350 EZ701U	3833	3833	11129	208.8	1044/5	3400	3000	5000	4.0	10	2.0	771	96
14	2300	2759	20	1.7	PHQ941_0060K513_0350 EZ702U	5760	5760	11129	208.8	1044/5	3400	3000	5000	4.0	15	2.0	771	98
14	2587	3066	23	1.5	PHQ941_0060K513_0350 EZ505U	5760	5760	11129	208.8	1044/5	3400	3000	5000	4.0	14	2.0	771	98
14	3162	3986	28	1.2	PHQ941_0060K513_0350 EZ703U	5760	5760	11129	208.8	1044/5	3400	3000	5000	4.0	23	2.0	771	100
15	1317	1477	12	2.9	PHQ941_0060K513_0320 EZ701U	3558	3558	11250	193.8	62031/320</								

n_{2N}	M_{2N}	$M_{2,0}$	a_{th}	S	Type	M_{2acc}	M_{2accHT}	M_{2NOT}	i	i_{exakt}	n_{1maxDB}	n_{1maxZB}	$\Delta\varphi_2$	J_1	$\Delta\varphi_{2red}$	C_2	m	
[rpm]	[Nm]	[Nm]				[Nm]	[Nm]	[Nm]			EL1,2 [rpm]	EL3,4,5,6 [rpm]	[rpm]	[arc min]	[kgcm²]	[arc min]	[Nm/ arcmin]	[kg]
PHQ941K ($n_{1N} = 3000$ rpm, $M_{2acc,max} = 5760$ Nm)																		
21	1810	2145	20	2.1	PHQ941_0060K513_0240 EZ505U	5760	5760	10139	146.1	11687/80	2800	2500	4200	4.0	15	2.0	771	98
21	2212	2789	25	1.7	PHQ941_0060K513_0240 EZ703U	5760	5760	10139	146.1	11687/80	2800	2500	4200	4.0	25	2.0	771	100
21	2856	4049	32	1.3	PHQ941_0060K513_0240 EZ705U	5760	5760	11250	146.1	11687/80	2800	2500	4200	4.0	37	2.0	771	106
21	2990	4974	34	1.3	PHQ941_0060K513_0240 EZ802U	5760	5760	11250	146.1	11687/80	2800	2500	4200	4.0	61	2.0	771	114
21	3566	6462	40	1.1	PHQ941_0060K513_0240 EZ803U	5760	5760	11250	146.1	11687/80	2800	2500	4200	4.0	86	2.0	771	120
23	896	1005	11	4.2	PHQ941_0060K513_0220 EZ701U	2422	2422	9158	132.0	2639/20	2800	2500	4200	4.0	12	2.0	771	96
23	1453	1744	18	2.6	PHQ941_0060K513_0220 EZ702U	4965	4965	9158	132.0	2639/20	2800	2500	4200	4.0	17	2.0	771	98
23	1635	1938	20	2.3	PHQ941_0060K513_0220 EZ505U	5760	5760	9158	132.0	2639/20	2800	2500	4200	4.0	15	2.0	771	98
23	1998	2519	24	1.9	PHQ941_0060K513_0220 EZ703U	5760	5760	9158	132.0	2639/20	2800	2500	4200	4.0	25	2.0	771	100
23	2579	3657	31	1.5	PHQ941_0060K513_0220 EZ705U	5760	5760	11250	132.0	2639/20	2800	2500	4200	4.0	37	2.0	771	106
23	2701	4493	33	1.4	PHQ941_0060K513_0220 EZ802U	5760	5760	11250	132.0	2639/20	2800	2500	4200	4.0	61	2.0	771	114
23	3221	5837	39	1.2	PHQ941_0060K513_0220 EZ803U	5760	5760	11250	132.0	2639/20	2800	2500	4200	4.0	87	2.0	771	120
26	789	885	10	4.8	PHQ941_0060K513_0195 EZ701U	2131	2131	8669	116.1	27869/240	2800	2500	4200	4.0	13	2.0	771	96
26	1279	1535	17	3.0	PHQ941_0060K513_0195 EZ702U	4369	4369	8669	116.1	27869/240	2800	2500	4200	4.0	18	2.0	771	98
26	1439	1705	19	2.6	PHQ941_0060K513_0195 EZ505U	5760	5760	8669	116.1	27869/240	2800	2500	4200	4.0	16	2.0	771	98
26	1758	2217	23	2.2	PHQ941_0060K513_0195 EZ703U	5760	5760	8669	116.1	27869/240	2800	2500	4200	4.0	26	2.0	771	100
26	2270	3218	30	1.7	PHQ941_0060K513_0195 EZ705U	5760	5760	11250	116.1	27869/240	2800	2500	4200	4.0	38	2.0	771	106
26	2376	3954	31	1.6	PHQ941_0060K513_0195 EZ802U	5760	5760	11250	116.1	27869/240	2800	2500	4200	4.0	62	2.0	771	114
26	2835	5137	37	1.3	PHQ941_0060K513_0195 EZ803U	5760	5760	11250	116.1	27869/240	2800	2500	4200	4.0	88	2.0	771	120
29	1155	1386	16	3.3	PHQ941_0060K513_0175 EZ702U	3947	3947	7830	104.9	6293/60	2800	2500	4200	4.0	18	2.0	771	98
29	1300	1540	18	2.9	PHQ941_0060K513_0175 EZ505U	5760	5760	7830	104.9	6293/60	2800	2500	4200	4.0	17	2.0	771	98
29	1588	2002	23	2.4	PHQ941_0060K513_0175 EZ703U	5760	5760	7830	104.9	6293/60	2800	2500	4200	4.0	26	2.0	771	100
29	2050	2907	29	1.9	PHQ941_0060K513_0175 EZ705U	5760	5760	11250	104.9	6293/60	2800	2500	4200	4.0	38	2.0	771	106
29	2147	3571	30	1.8	PHQ941_0060K513_0175 EZ802U	5760	5760	11250	104.9	6293/60	2800	2500	4200	4.0	63	2.0	771	114
29	2561	4640	36	1.5	PHQ941_0060K513_0175 EZ803U	5760	5760	11250	104.9	6293/60	2800	2500	4200	4.0	88	2.0	771	120
31	1063	1276	16	3.6	PHQ941_0060K513_0160 EZ702U	3633	3633	7209	96.56	26071/270	2300	2200	3600	4.0	19	2.0	771	98
31	1196	1418	18	3.2	PHQ941_0060K513_0160 EZ505U	5315	5315	7209	96.56	26071/270	2300	2200	3600	4.0	18	2.0	771	98
31	1462	1843	22	2.6	PHQ941_0060K513_0160 EZ703U	5315	5315	7209	96.56	26071/270	2300	2200	3600	4.0	27	2.0	771	100
31	1888	2676	28	2.0	PHQ941_0060K513_0160 EZ705U	5760	5760	11250	96.56	26071/270	2300	2200	3600	4.0	39	2.0	771	106
31	1976	3288	30	1.9	PHQ941_0060K513_0160 EZ802U	5760	5760	11250	96.56	26071/270	2300	2200	3600	4.0	63	2.0	771	114
31	2357	4271	35	1.6	PHQ941_0060K513_0160 EZ803U	5760	5760	11250	96.56	26071/270	2300	2200	3600	4.0	89	2.0	771	120
34	961	1153	16	4.0	PHQ941_0060K513_0145 EZ702U	3282	3282	6512	87.22	11774/135	2300	2200	3600	4.0	20	2.0	771	98
34	1081	1281	17	3.5	PHQ941_0060K513_0145 EZ505U	4801	4801	6512	87.22	11774/135	2300	2200	3600	4.0	18	2.0	771	98
34	1321	1665	21	2.9	PHQ941_0060K513_0145 EZ703U	4801	4801	6512	87.22	11774/135	2300	2200	3600	4.0	28	2.0	771	100
34	1705	2417	28	2.2	PHQ941_0060K513_0145 EZ705U	5760	5760	11250	87.22	11774/135	2300	2200	3600	4.0	40	2.0	771	106
34	1785	2970	29	2.1	PHQ941_0060K513_0145 EZ802U	5760	5760	11250	87.22	11774/135	2300	2200	3600	4.0	64	2.0	771	114
34	2129	3858	34	1.8	PHQ941_0060K513_0145 EZ803U	5760	5760	11250	87.22	11774/135	2300	2200	3600	4.0	89	2.0	771	120
39	1502	2130	27	2.5	PHQ941_0060K513_0130 EZ705U	5760	5760	11250	76.85	1537/20	2300	2200	3600	4.0	42	2.0	771	106
39	1573	2617	28	2.4	PHQ941_0060K513_0130 EZ802U	5760	5760	11250	76.85	1537/20	2300	2200	3600	4.0	66	2.0	771	114
39	1876	3399	33	2.0	PHQ941_0060K513_0130 EZ803U	5760	5760	11250	76.85	1537/20	2300	2200	3600	4.0	91	2.0	771	120
43	1357	1924	26	2.7	PHQ941_0060K513_0115 EZ705U	5760	5760	11250	69.41	10759/155	2300	2200	3600	4.0	42	2.0	771	106
43	1421	2363	28	2.6	PHQ941_0060K513_0115 EZ802U	5760	5760	11250	69.41	10759/155	2300	2200	3600	4.0	66	2.0	771	114
43	1695	3071	33	2.2	PHQ941_0060K513_0115 EZ803U	5760	5760	11250	69.41	10759/155	2300	2200	3600	4.0	92	2.0	771	120
49	1190	1688	27	3.0	PHQ941_0060K513_0100 EZ705U	5760	5760	11250	60.90	609/10	1900	1800	3200	4.0	45	2.0	771	106
49	1246	2074	28	2.8	PHQ941_0060K513_0100 EZ802U	5589	5589	11250	60.90	609/10	1900	1800	3200	4.0	69	2.0	771	114
49	1487	2694	33	2.4	PHQ941_0060K513_0100 EZ803U	5760	5760	11250	60.90	609/10	1900	1800	3200	4.0	94	2.0	771	120
55	1075	1525	27	3.2	PHQ941_0060K513_0092 EZ705U	5250	5250	10954	55.01	8526/155	1900	1800	3200	4.0	46	2.0	771	106
55	1126	1873	28	3.0	PHQ941_0060K513_0092 EZ802U	5048	5048	10954	55.01	8526/155	1900	1800	3200	4.0	70	2.0	771	114
55	1343	2433	33	2.5	PHQ941_0060K513_0092 EZ803U	5760	5760	10954	55.01	8526/155	1900	1800	3200					

n _{2N}	M _{2N}	M _{2,0}	a _{th}	S	Type	M _{2acc}	M _{2accHT}	M _{2NOT}	i	i _{exakt}	n _{1maxDB}		n _{1maxZB}	Δφ ₂	J ₁	Δφ _{2red}	C ₂	m
[rpm]	[Nm]	[Nm]				[Nm]	[Nm]	[Nm]			[rpm]	[rpm]	[rpm]	[arc min]	[kgcm ²]	[arc min]	[Nm/ arcmin]	[kg]
PHQ941K (n _{1N} = 4500 rpm, M _{2acc,max} = 5760 Nm)																		
17	2515	8264	19	1.5	PHQ941_0060K513_0440 EZ802U	5760	5760	11250	261.0	261/1	3400	3000	5000	4.0	59	2.0	771	114
17	2898	4791	22	1.3	PHQ941_0060K513_0440 EZ703U	5760	5760	11250	261.0	261/1	3400	3000	5000	4.0	23	2.0	771	100
19	2016	3246	16	1.9	PHQ941_0060K513_0390 EZ505U	5760	5760	11250	231.2	8091/35	3400	3000	5000	4.0	14	2.0	771	98
19	2228	7320	18	1.7	PHQ941_0060K513_0390 EZ802U	5760	5760	11250	231.2	8091/35	3400	3000	5000	4.0	60	2.0	771	114
19	2567	4243	21	1.5	PHQ941_0060K513_0390 EZ703U	5760	5760	11250	231.2	8091/35	3400	3000	5000	4.0	23	2.0	771	100
22	1820	2932	16	2.1	PHQ941_0060K513_0350 EZ505U	5760	5760	11129	208.8	1044/5	3400	3000	5000	4.0	14	2.0	771	98
22	2012	6611	18	1.9	PHQ941_0060K513_0350 EZ802U	5760	5760	11129	208.8	1044/5	3400	3000	5000	4.0	60	2.0	771	114
22	2319	3833	20	1.6	PHQ941_0060K513_0350 EZ703U	5760	5760	11129	208.8	1044/5	3400	3000	5000	4.0	23	2.0	771	100
23	1690	2722	16	2.2	PHQ941_0060K513_0320 EZ505U	5760	5760	11250	193.8	62031/320	3400	3000	5000	4.0	14	2.0	771	98
23	1868	6138	17	2.0	PHQ941_0060K513_0320 EZ802U	5760	5760	11250	193.8	62031/320	3400	3000	5000	4.0	60	2.0	771	114
23	2153	3558	20	1.8	PHQ941_0060K513_0320 EZ703U	5760	5760	11250	193.8	62031/320	3400	3000	5000	4.0	24	2.0	771	100
23	2918	5337	27	1.3	PHQ941_0060K513_0320 EZ705U	5760	5760	11250	193.8	62031/320	3400	3000	5000	4.0	36	2.0	771	106
26	1527	2459	15	2.5	PHQ941_0060K513_0290 EZ505U	5760	5760	10349	175.1	14007/80	3400	3000	5000	4.0	14	2.0	771	98
26	1687	5544	17	2.3	PHQ941_0060K513_0290 EZ802U	5760	5760	11250	175.1	14007/80	3400	3000	5000	4.0	60	2.0	771	114
26	1944	3214	19	2.0	PHQ941_0060K513_0290 EZ703U	5760	5760	10349	175.1	14007/80	3400	3000	5000	4.0	24	2.0	771	100
26	2635	4821	26	1.4	PHQ941_0060K513_0290 EZ705U	5760	5760	11250	175.1	14007/80	3400	3000	5000	4.0	36	2.0	771	106
PHQ1041K (n _{1N} = 2000 rpm, M _{2acc,max} = 10000 Nm)																		
13	6058	9163	47	1.1	PHQ1041_0060K713_0250 EZ805U	10000	–	20000	151.1	193347/1280	2400	2200	3600	4.0	144	–	1561	193
15	5472	8277	45	1.2	PHQ1041_0060K713_0230 EZ805U	10000	–	20000	136.4	43659/320	2400	2200	3600	4.0	145	–	1561	193
16	4869	7364	44	1.3	PHQ1041_0060K713_0200 EZ805U	10000	–	20000	121.4	357399/2944	2400	2200	3600	4.0	149	–	1561	193
18	4398	6652	42	1.5	PHQ1041_0060K713_0185 EZ805U	10000	–	20000	109.7	80703/736	2400	2200	3600	4.0	150	–	1561	193
20	3944	5965	41	1.6	PHQ1041_0060K713_0165 EZ805U	10000	–	20000	98.33	6293/64	2000	1900	3200	4.0	154	–	1561	193
23	3562	5388	40	1.8	PHQ1041_0060K713_0150 EZ805U	10000	–	20000	88.81	1421/16	2000	1900	3200	4.0	155	–	1561	193
26	3139	4747	38	2.1	PHQ1041_0060K713_0130 EZ805U	10000	–	20000	78.26	10017/128	2000	1900	3200	4.0	162	–	1561	193
28	2835	4288	37	2.3	PHQ1041_0060K713_0120 EZ805U	10000	–	20000	70.69	70119/992	2000	1900	3200	4.0	164	–	1561	193
33	2448	3702	36	2.7	PHQ1041_0060K713_0100 EZ805U	10000	–	20000	61.03	1953/32	1700	1600	2700	4.0	175	–	1561	193
36	2211	3344	35	2.9	PHQ1041_0060K713_0092 EZ805U	10000	–	20000	55.13	441/8	1700	1600	2700	4.0	178	–	1561	193
40	2015	3048	34	3.2	PHQ1041_0060K713_0084 EZ805U	9452	–	18762	50.24	263655/5248	1700	1600	2700	4.0	189	–	1561	193
44	1820	2753	33	3.6	PHQ1041_0060K713_0076 EZ805U	8537	–	16947	45.38	59535/1312	1700	1600	2700	4.0	193	–	1561	193
PHQ1041K (n _{1N} = 3000 rpm, M _{2acc,max} = 10000 Nm)																		
5.1	4015	4504	12	1.6	PHQ1041_0060K713_0990 EZ701U	10000	–	20000	591.2	302715/512	2900	2600	4200	4.0	9.7	–	1561	156
5.6	3627	4068	12	1.8	PHQ1041_0060K713_0890 EZ701U	9802	–	18207	534.0	68355/128	2900	2600	4200	4.0	9.7	–	1561	156
5.6	5881	7058	19	1.1	PHQ1041_0060K713_0890 EZ702U	10000	–	18207	534.0	68355/128	2900	2600	4200	4.0	15	–	1561	158
6.3	3212	3603	11	2.0	PHQ1041_0060K713_0790 EZ701U	8682	–	19749	473.0	60543/128	2900	2600	4200	4.0	10	–	1561	156
6.3	5209	6251	18	1.2	PHQ1041_0060K713_0790 EZ702U	10000	–	19749	473.0	60543/128	2900	2600	4200	4.0	16	–	1561	158
7.0	2901	3254	11	2.2	PHQ1041_0060K713_0710 EZ701U	7842	–	17839	427.2	13671/32	2900	2600	4200	4.0	10	–	1561	156
7.0	4705	5646	18	1.4	PHQ1041_0060K713_0710 EZ702U	10000	–	17839	427.2	13671/32	2900	2600	4200	4.0	16	–	1561	158
7.0	6469	8155	24	1.0	PHQ1041_0060K713_0710 EZ703U	10000	–	17839	427.2	13671/32	2900	2600	4200	4.0	23	–	1561	160
7.7	2642	2964	11	2.5	PHQ1041_0060K713_0650 EZ701U	7142	–	17676	389.1	99603/256	2900	2600	4200	4.0	11	–	1561	156
7.7	4285	5142	17	1.5	PHQ1041_0060K713_0650 EZ702U	10000	–	17676	389.1	99603/256	2900	2600	4200	4.0	16	–	1561	158
7.7	5892	7427	23	1.1	PHQ1041_0060K713_0650 EZ703U	10000	–	17676	389.1	99603/256	2900	2600	4200	4.0	24	–	1561	160
8.5	2387	2677	10	2.7	PHQ1041_0060K713_0590 EZ701U	6450	–	15966	351.4	22491/64	2900	2600	4200	4.0	11	–	1561	156
8.5	3870	4644	17	1.7	PHQ1041_0060K713_0590 EZ702U	10000	–	15966	351.4	22491/64	2900	2600	4200	4.0	16	–	1561	158
8.5	5322	6708	23	1.2	PHQ1041_0060K713_0590 EZ703U	10000	–	15966	351.4	22491/64	2900	2600	4200	4.0	24	–	1561	160
10	2033	2280	9.7	3.2	PHQ1041_0060K713_0500 EZ701U	5493	–	15144	299.3	498015/1664	2900	2600	4200	4.0	12	–	1561	156
10	3296	3955	16	2.0	PHQ1041_0060K713_0500 EZ702U	10000	–	15144	299.3	498015/1664	2900	2600	4200	4.0	18	–	1561	158
10	4532	5713	22	1.4	PHQ1041_0060K713_0500 EZ703U	10000	–	15144	299.3	498015/1664	2900	2600	4200	4.0	26	–	1561	160
10	5851	8295	28	1.1	PHQ1041_0060K713_0500 EZ705U	10000	–	20000	299.3	498015/1664	2900	2600	4200	4.0	38	–	1561	166
10	6125	10190	29	1.1	PHQ1041_0060K713_0500 EZ802U	10000	–	20000	299.3	498015/1664	2900	2600	4200	4.0	62	–	1561	174
11	1836	2059	9.4	3.5	PHQ1041_0060K713_0450 EZ701U	4962	–	13679	270.3	112455/416	2900	2600	4200	4.0	13	–	1561	156
11	2977	3573	15	2.2	PHQ1041_0060K713_0450 EZ702U	10000	–	13679	270.3	112455/416	2900	2600	4200	4.0	18	–	1561	158
11	4094	5160	21	1.6	PHQ1041_0060K713_0450 EZ703U	10000												

n _{2N}	M _{2N}	M _{2,0}	a _{th}	S	Type	M _{2acc}	M _{2accHT}	M _{2NOT}	i	i _{exakt}	n _{1maxDB}	n _{1maxZB}	Δφ ₂	J ₁	Δφ _{2red}	C ₂	m	
[rpm]	[Nm]	[Nm]				[Nm]	[Nm]	[Nm]			[rpm]	[rpm]	[rpm]	[arc min]	[kgcm ² min]	[arc min]	[Nm/ arcmin]	[kg]
PHQ1041K (n _{1N} = 3000 rpm, M _{2acc,max} = 10000 Nm)																		
14	4352	7240	26	1.5	PHQ1041_0060K713_0350 EZ802U	10000	–	20000	212.6	1701/8	2900	2600	4200	4.0	64	–	1561	174
14	5191	9406	32	1.3	PHQ1041_0060K713_0350 EZ803U	10000	–	20000	212.6	1701/8	2900	2600	4200	4.0	89	–	1561	180
15	3803	5392	25	1.7	PHQ1041_0060K713_0320 EZ705U	10000	–	20000	194.5	99603/512	2900	2600	4200	4.0	42	–	1561	166
15	3981	6624	26	1.6	PHQ1041_0060K713_0320 EZ802U	10000	–	20000	194.5	99603/512	2900	2600	4200	4.0	66	–	1561	174
15	4749	8606	31	1.4	PHQ1041_0060K713_0320 EZ803U	10000	–	20000	194.5	99603/512	2900	2600	4200	4.0	91	–	1561	180
17	3435	4870	24	1.9	PHQ1041_0060K713_0290 EZ705U	10000	–	20000	175.7	22491/128	2900	2600	4200	4.0	42	–	1561	166
17	3596	5983	25	1.8	PHQ1041_0060K713_0290 EZ802U	10000	–	20000	175.7	22491/128	2900	2600	4200	4.0	66	–	1561	174
17	4290	7773	30	1.5	PHQ1041_0060K713_0290 EZ803U	10000	–	20000	175.7	22491/128	2900	2600	4200	4.0	92	–	1561	180
20	2953	4187	23	2.2	PHQ1041_0060K713_0250 EZ705U	10000	–	20000	151.1	193347/1280	2400	2200	3600	4.0	46	–	1561	166
20	3091	5143	24	2.1	PHQ1041_0060K713_0250 EZ802U	10000	–	20000	151.1	193347/1280	2400	2200	3600	4.0	70	–	1561	174
20	3687	6682	28	1.8	PHQ1041_0060K713_0250 EZ803U	10000	–	20000	151.1	193347/1280	2400	2200	3600	4.0	95	–	1561	180
22	2667	3781	22	2.4	PHQ1041_0060K713_0230 EZ705U	10000	–	20000	136.4	43659/320	2400	2200	3600	4.0	46	–	1561	166
22	2792	4645	23	2.3	PHQ1041_0060K713_0230 EZ802U	10000	–	20000	136.4	43659/320	2400	2200	3600	4.0	70	–	1561	174
22	3331	6035	28	2.0	PHQ1041_0060K713_0230 EZ803U	10000	–	20000	136.4	43659/320	2400	2200	3600	4.0	96	–	1561	180
25	2373	3365	21	2.7	PHQ1041_0060K713_0200 EZ705U	10000	–	20000	121.4	357399/2944	2400	2200	3600	4.0	50	–	1561	166
25	2485	4133	22	2.6	PHQ1041_0060K713_0200 EZ802U	10000	–	20000	121.4	357399/2944	2400	2200	3600	4.0	74	–	1561	174
25	2964	5370	27	2.2	PHQ1041_0060K713_0200 EZ803U	10000	–	20000	121.4	357399/2944	2400	2200	3600	4.0	100	–	1561	180
27	2143	3039	21	3.0	PHQ1041_0060K713_0185 EZ705U	10000	–	20000	109.7	80703/736	2400	2200	3600	4.0	51	–	1561	166
27	2244	3733	22	2.9	PHQ1041_0060K713_0185 EZ802U	10000	–	20000	109.7	80703/736	2400	2200	3600	4.0	75	–	1561	174
27	2677	4850	26	2.4	PHQ1041_0060K713_0185 EZ803U	10000	–	20000	109.7	80703/736	2400	2200	3600	4.0	100	–	1561	180
31	1922	2725	20	3.4	PHQ1041_0060K713_0165 EZ705U	9385	–	19525	98.33	6293/64	2000	1900	3200	4.0	55	–	1561	166
31	2012	3348	21	3.2	PHQ1041_0060K713_0165 EZ802U	9024	–	19525	98.33	6293/64	2000	1900	3200	4.0	79	–	1561	174
31	2400	4350	25	2.7	PHQ1041_0060K713_0165 EZ803U	10000	–	20000	98.33	6293/64	2000	1900	3200	4.0	105	–	1561	180
34	1736	2462	19	3.7	PHQ1041_0060K713_0150 EZ705U	8477	–	17637	88.81	1421/16	2000	1900	3200	4.0	57	–	1561	166
34	1818	3024	20	3.6	PHQ1041_0060K713_0150 EZ802U	8151	–	17637	88.81	1421/16	2000	1900	3200	4.0	81	–	1561	174
34	2168	3929	24	3.0	PHQ1041_0060K713_0150 EZ803U	10000	–	20000	88.81	1421/16	2000	1900	3200	4.0	106	–	1561	180
38	1530	2169	19	4.2	PHQ1041_0060K713_0130 EZ705U	7469	–	15584	78.26	10017/128	2000	1900	3200	4.0	63	–	1561	166
38	1602	2665	20	4.1	PHQ1041_0060K713_0130 EZ802U	7182	–	15584	78.26	10017/128	2000	1900	3200	4.0	88	–	1561	174
38	1910	3462	23	3.4	PHQ1041_0060K713_0130 EZ803U	10000	–	20000	78.26	10017/128	2000	1900	3200	4.0	113	–	1561	180
42	1382	1959	18	4.7	PHQ1041_0060K713_0120 EZ705U	6747	–	14077	70.69	70119/992	2000	1900	3200	4.0	65	–	1561	166
42	1447	2407	19	4.5	PHQ1041_0060K713_0120 EZ802U	6487	–	14077	70.69	70119/992	2000	1900	3200	4.0	89	–	1561	174
42	1726	3127	23	3.8	PHQ1041_0060K713_0120 EZ803U	9407	–	20000	70.69	70119/992	2000	1900	3200	4.0	115	–	1561	180
PHQ1141K (n _{1N} = 2000 rpm, M _{2acc,max} = 22000 Nm)																		
6.8	11789	17832	31	1.1	PHQ1141_0060K813_0490 EZ805U	22000	–	37770	293.9	16461/56	2800	2500	4000	4.0	142	–	2623	334
7.5	10648	16106	30	1.2	PHQ1141_0060K813_0440 EZ805U	22000	–	34112	265.5	531/2	2800	2500	4000	4.0	142	–	2623	334
8.3	9628	14563	29	1.4	PHQ1141_0060K813_0400 EZ805U	22000	–	44000	240.1	38409/160	2800	2500	4000	4.0	145	–	2623	334
9.2	8696	13154	28	1.5	PHQ1141_0060K813_0360 EZ805U	22000	–	44000	216.8	8673/40	2800	2500	4000	4.0	146	–	2623	334
10	7794	11789	27	1.7	PHQ1141_0060K813_0320 EZ805U	22000	–	44000	194.3	31093/160	2800	2500	4000	4.0	150	–	2623	334
11	7040	10648	26	1.8	PHQ1141_0060K813_0290 EZ805U	22000	–	44000	175.5	7021/40	2800	2500	4000	4.0	151	–	2623	334
13	6139	9286	25	2.1	PHQ1141_0060K813_0260 EZ805U	22000	–	44000	153.1	140833/920	2300	2100	3500	4.0	158	–	2623	334
14	5545	8388	25	2.3	PHQ1141_0060K813_0230 EZ805U	22000	–	44000	138.3	31801/230	2300	2100	3500	4.0	160	–	2623	334
17	4616	6982	23	2.8	PHQ1141_0060K813_0190 EZ805U	21655	–	42965	115.1	133517/1160	2300	2100	3500	4.0	171	–	2623	334
19	4170	6307	23	3.1	PHQ1141_0060K813_0175 EZ805U	19559	–	38804	104.0	30149/290	2300	2100	3500	4.0	173	–	2623	334
20	3954	5981	22	3.3	PHQ1141_0060K813_0165 EZ805U	18549	–	36803	98.59	126201/1280	1900	1800	3000	4.0	180	–	2623	334
22	3572	5402	22	3.6	PHQ1141_0060K813_0150 EZ805U	16754	–	33239	89.05	28497/320	1900	1800	3000	4.0	184	–	2623	334
PHQ1141K (n _{1N} = 3000 rpm, M _{2acc,max} = 22000 Nm)																		
5.1	3959	4441	6.4	3.3	PHQ1141_0060K813_0970 EZ701U	10701	–	22883	583.0	93279/160	2800	2500	4000	4.0	11	–	2623	296
5.1	6421	7705	10	2.0	PHQ1141_0060K813_0970 EZ702U	16871	–	22883	583.0	93279/160	2800	2500	4000	4.0	16	–	2623	299
5.1	8828	11129	14	1.5	PHQ1141_0060K813_0970 EZ703U	16871	–	22883	583.0	93279/160	2800	2500	4000	4.0	24	–	2623	301
5.7	3576	4011	6.2	3.6	PHQ1141_0060K813_0880 EZ701U	9665	–	20667	526.6	21063/40	2800	2500	4000	4.0	11	–	2623	296
5.7	5799	6959	10	2.2	PHQ1141_0060K813_0880 EZ702U	15237	–	20667	526.6	21063/40	2800	2500	4000	4.0	17	–		

n _{2N}	M _{2N}	M _{2,0}	a _{th}	S	Type	M _{2acc}	M _{2accHT}	M _{2NOT}	i	i _{exakt}	n _{1maxDB}		n _{1maxZB}	Δφ ₂	J ₁	Δφ _{2red}	C ₂	m
[rpm]	[Nm]	[Nm]				[Nm]	[Nm]	[Nm]			[rpm]	[rpm]	[rpm]	[arc min]	[kgcm ²]	[arc min]	[Nm/ arcmin]	[kg]
PHQ1141K (n _{1N} = 3000 rpm, M _{2acc,max} = 22000 Nm)																		
7.6	7672	10878	16	1.7	PHQ1141_0060K813_0650 EZ705U	22000	–	44000	392.5	188387/480	2800	2500	4000	4.0	39	–	2623	306
7.6	8032	13363	17	1.6	PHQ1141_0060K813_0650 EZ802U	22000	–	44000	392.5	188387/480	2800	2500	4000	4.0	64	–	2623	314
7.6	9581	17361	21	1.4	PHQ1141_0060K813_0650 EZ803U	22000	–	44000	392.5	188387/480	2800	2500	4000	4.0	89	–	2623	320
8.5	6930	9825	16	1.9	PHQ1141_0060K813_0590 EZ705U	22000	–	39925	354.5	42539/120	2800	2500	4000	4.0	40	–	2623	306
8.5	7255	12070	17	1.8	PHQ1141_0060K813_0590 EZ802U	22000	–	39925	354.5	42539/120	2800	2500	4000	4.0	64	–	2623	314
8.5	8654	15681	20	1.5	PHQ1141_0060K813_0590 EZ803U	22000	–	39925	354.5	42539/120	2800	2500	4000	4.0	89	–	2623	320
10	3237	3885	8.9	3.8	PHQ1141_0060K813_0490 EZ702U	11061	–	16837	293.9	16461/56	2800	2500	4000	4.0	23	–	2623	299
10	4451	5611	12	2.8	PHQ1141_0060K813_0490 EZ703U	12414	–	16837	293.9	16461/56	2800	2500	4000	4.0	30	–	2623	301
10	5746	8147	15	2.3	PHQ1141_0060K813_0490 EZ705U	22000	–	37770	293.9	16461/56	2800	2500	4000	4.0	43	–	2623	306
10	6016	10009	16	2.2	PHQ1141_0060K813_0490 EZ802U	22000	–	37770	293.9	16461/56	2800	2500	4000	4.0	67	–	2623	314
10	7176	13003	19	1.8	PHQ1141_0060K813_0490 EZ803U	22000	–	37770	293.9	16461/56	2800	2500	4000	4.0	92	–	2623	320
11	2924	3509	9.6	3.8	PHQ1141_0060K813_0440 EZ702U	9990	–	15206	265.5	531/2	2800	2500	4000	4.0	23	–	2623	299
11	4020	5068	13	2.8	PHQ1141_0060K813_0440 EZ703U	11211	–	15206	265.5	531/2	2800	2500	4000	4.0	31	–	2623	301
11	5190	7359	15	2.5	PHQ1141_0060K813_0440 EZ705U	22000	–	34112	265.5	531/2	2800	2500	4000	4.0	43	–	2623	306
11	5434	9040	15	2.4	PHQ1141_0060K813_0440 EZ802U	22000	–	34112	265.5	531/2	2800	2500	4000	4.0	67	–	2623	314
11	6481	11745	18	2.0	PHQ1141_0060K813_0440 EZ803U	22000	–	34112	265.5	531/2	2800	2500	4000	4.0	93	–	2623	320
12	4693	6653	14	2.8	PHQ1141_0060K813_0400 EZ705U	22000	–	33607	240.1	38409/160	2800	2500	4000	4.0	46	–	2623	306
12	4913	8174	15	2.6	PHQ1141_0060K813_0400 EZ802U	22000	–	33607	240.1	38409/160	2800	2500	4000	4.0	70	–	2623	314
12	5860	10619	18	2.2	PHQ1141_0060K813_0400 EZ803U	22000	–	44000	240.1	38409/160	2800	2500	4000	4.0	96	–	2623	320
14	4239	6010	14	3.1	PHQ1141_0060K813_0360 EZ705U	20696	–	30353	216.8	8673/40	2800	2500	4000	4.0	47	–	2623	306
14	4438	7383	14	2.9	PHQ1141_0060K813_0360 EZ802U	19900	–	30353	216.8	8673/40	2800	2500	4000	4.0	71	–	2623	314
14	5293	9592	17	2.5	PHQ1141_0060K813_0360 EZ803U	22000	–	44000	216.8	8673/40	2800	2500	4000	4.0	96	–	2623	320
15	3799	5386	13	3.4	PHQ1141_0060K813_0320 EZ705U	18549	–	32424	194.3	31093/160	2800	2500	4000	4.0	51	–	2623	306
15	3977	6617	14	3.3	PHQ1141_0060K813_0320 EZ802U	17835	–	32424	194.3	31093/160	2800	2500	4000	4.0	75	–	2623	314
15	4744	8597	17	2.7	PHQ1141_0060K813_0320 EZ803U	22000	–	44000	194.3	31093/160	2800	2500	4000	4.0	101	–	2623	320
17	3431	4865	13	3.8	PHQ1141_0060K813_0290 EZ705U	16753	–	29284	175.5	7021/40	2800	2500	4000	4.0	52	–	2623	306
17	3592	5976	14	3.6	PHQ1141_0060K813_0290 EZ802U	16109	–	29284	175.5	7021/40	2800	2500	4000	4.0	76	–	2623	314
17	4285	7764	16	3.0	PHQ1141_0060K813_0290 EZ803U	22000	–	44000	175.5	7021/40	2800	2500	4000	4.0	102	–	2623	320
20	2992	4243	12	4.3	PHQ1141_0060K813_0260 EZ705U	14611	–	27103	153.1	140833/920	2300	2100	3500	4.0	59	–	2623	306
20	3133	5212	13	4.2	PHQ1141_0060K813_0260 EZ802U	14049	–	27103	153.1	140833/920	2300	2100	3500	4.0	83	–	2623	314
20	3737	6772	15	3.5	PHQ1141_0060K813_0260 EZ803U	20371	–	44000	153.1	140833/920	2300	2100	3500	4.0	109	–	2623	320
22	2703	3832	12	4.8	PHQ1141_0060K813_0230 EZ705U	13197	–	24479	138.3	31801/230	2300	2100	3500	4.0	61	–	2623	306
22	2830	4708	13	4.6	PHQ1141_0060K813_0230 EZ802U	12689	–	24479	138.3	31801/230	2300	2100	3500	4.0	85	–	2623	314
22	3375	6116	15	3.9	PHQ1141_0060K813_0230 EZ803U	18400	–	44000	138.3	31801/230	2300	2100	3500	4.0	110	–	2623	320
26	2810	5091	14	4.6	PHQ1141_0060K813_0190 EZ803U	15317	–	42965	115.1	133517/1160	2300	2100	3500	4.0	122	–	2623	320
PHQ1241K (n _{1N} = 2000 rpm, M _{2acc,max} = 43000 Nm)																		
3.5	22960	34728	21	1.1	PHQ1241_0060K913_0950 EZ805U	37154	–	57728	572.5	293105/512	2600	2500	3800	4.0	139	–	4665	580
3.6	21875	33087	21	1.1	PHQ1241_0060K914_0920 EZ805U	39537	–	53625	554.1	7199037/12992	2600	2500	3800	4.0	138	–	4665	593
4.4	18049	27300	20	1.4	PHQ1241_0060K913_0750 EZ805U	39283	–	53281	450.0	187209/416	2600	2500	3800	4.0	142	–	4665	580
5.3	15177	22957	19	1.6	PHQ1241_0060K913_0630 EZ805U	43000	–	80000	378.4	629703/1664	2600	2500	3800	4.0	146	–	4665	580
6.8	11776	17812	17	2.1	PHQ1241_0060K913_0490 EZ805U	43000	–	80000	293.6	300669/1024	2600	2500	3800	4.0	153	–	4665	580
8.8	9154	13847	16	2.7	PHQ1241_0060K913_0380 EZ805U	42944	–	78148	228.3	584319/2560	2600	2500	3800	4.0	163	–	4665	580
10	7728	11690	15	3.2	PHQ1241_0060K913_0320 EZ805U	36254	–	71941	192.7	141825/736	2600	2500	3800	4.0	173	–	4665	580
14	5762	8715	14	4.3	PHQ1241_0060K913_0240 EZ805U	27028	–	53625	143.7	266631/1856	2200	2100	3300	4.0	195	–	4665	580
PHQ1241K (n _{1N} = 3000 rpm, M _{2acc,max} = 43000 Nm)																		
1.3	14989	16812	5.3	1.7	PHQ1241_0060K914_3740 EZ701U	37154	–	57728	2242	13775935/6144	2600	2500	3800	4.0	9.4	–	4665	555
1.3	24306	29167	8.6	1.0	PHQ1241_0060K914_3740 EZ702U	37154	–	57728	2242	13775935/6144	2600	2500	3800	4.0	15	–	4665	558
1.7	11783	13216	4.9	2.1	PHQ1241_0060K914_2940 EZ701U	31845	–	53281	1763	2932941/1664	2600	2500	3800	4.0	9.6	–	4665	555
1.7	19107	22928	8.0	1.3	PHQ1241_0060K914_2940 EZ702U	39283	–	53281	1763	2932941/1664	2600	2500	3800	4.0	15	–	4665	558
2.0	9908	11113	4.7	2.5	PHQ1241_0060K914_2470 EZ701U	26779	–	44775	1482	9865347/6656	2600	2500	3800	4.0	9.9	–	4665	555
2.0	16067	19281	7.6	1.6	PHQ1241_0060K914_2470 EZ702U	33011	–	44775	1482	9865347/6656	2600	2500	3800	4.0	15	–	4665	558
2.0	22092	27850	10															

n _{2N}	M _{2N}	M _{2,0}	a _{th}	S	Type	M _{2acc}	M _{2accHT}	M _{2NOT}	i	i _{exakt}	n _{1max}		Δφ ₂	J ₁	Δφ _{2red}	C ₂	m
[rpm]	[Nm]	[Nm]				[Nm]	[Nm]	[Nm]			EL1,2	EL3,4,5,6					
											[rpm]	[rpm]	[rpm]	[arc min]	[kgcm² min]	[Nm/ arcmin]	[kg]
PHQ1241K (n _{1N} = 3000 rpm, M _{2acc,max} = 43000 Nm)																	
4.0	14973	24910	11	1.7	PHQ1241_0060K914_1240 EZ802U	43000	–	71941	743.3	3829275/5152	2600	2500	3800	4.0	62	–	4665 574
4.0	17860	32363	14	1.4	PHQ1241_0060K914_1240 EZ803U	43000	–	71941	743.3	3829275/5152	2600	2500	3800	4.0	88	–	4665 580
5.2	11716	19492	11	2.1	PHQ1241_0060K913_0950 EZ802U	37154	–	57728	572.5	293105/512	2600	2500	3800	4.0	64	–	4665 561
5.2	13975	25324	13	1.8	PHQ1241_0060K913_0950 EZ803U	37154	–	57728	572.5	293105/512	2600	2500	3800	4.0	90	–	4665 567
5.3	6099	7319	8.6	2.7	PHQ1241_0060K914_0940 EZ702U	16676	–	22618	562.7	4177219/7424	2600	2500	3800	4.0	18	–	4665 558
5.3	8387	10572	12	2.0	PHQ1241_0060K914_0940 EZ703U	16676	–	22618	562.7	4177219/7424	2600	2500	3800	4.0	26	–	4665 560
5.4	11163	18571	11	2.2	PHQ1241_0060K914_0920 EZ802U	39537	–	53625	554.1	7199037/12992	2600	2500	3800	4.0	64	–	4665 574
5.4	13315	24127	13	1.9	PHQ1241_0060K914_0920 EZ803U	39537	–	53625	554.1	7199037/12992	2600	2500	3800	4.0	89	–	4665 580
6.7	9210	15323	10	2.7	PHQ1241_0060K913_0750 EZ802U	39283	–	53281	450.0	187209/416	2600	2500	3800	4.0	68	–	4665 561
6.7	10986	19907	12	2.3	PHQ1241_0060K913_0750 EZ803U	39283	–	53281	450.0	187209/416	2600	2500	3800	4.0	93	–	4665 567
7.9	7745	12885	9.5	3.2	PHQ1241_0060K913_0630 EZ802U	33011	–	44775	378.4	629703/1664	2600	2500	3800	4.0	71	–	4665 561
7.9	9238	16740	11	2.7	PHQ1241_0060K913_0630 EZ803U	43000	–	80000	378.4	629703/1664	2600	2500	3800	4.0	97	–	4665 567
10	6009	9998	8.8	4.2	PHQ1241_0060K913_0490 EZ802U	26947	–	39634	293.6	300669/1024	2600	2500	3800	4.0	78	–	4665 561
10	7168	12989	11	3.5	PHQ1241_0060K913_0490 EZ803U	39074	–	80000	293.6	300669/1024	2600	2500	3800	4.0	104	–	4665 567
13	5572	10097	9.8	4.5	PHQ1241_0060K913_0380 EZ803U	30375	–	78148	228.3	584319/2560	2600	2500	3800	4.0	114	–	4665 567