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Астана (7172)727-132
Астрахань (8512)99-46-04
Барнаул (3852)73-04-60
Белгород (4722)40-23-64
Брянск (4832)59-03-52
Владивосток (423)249-28-31
Волгоград (844)278-03-48
Вологда (8172)26-41-59
Воронеж (473)204-51-73
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Иваново (4932)77-34-06
Ижевск (3412)26-03-58
Иркутск (395)279-98-46
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Киров (8332)68-02-04
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Красноярск (391)204-63-61
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Москва (495)268-04-70
Мурманск (8152)59-64-93
Набережные Челны (8552)20-53-41
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Новокузнецк (3843)20-46-81
Новосибирск (383)227-86-73
Омск (3812)21-46-40
Орел (4862)44-53-42
Оренбург (3532)37-68-04
Пенза (8412)22-31-16
Казахстан (772)734-952-31
Пермь (342)205-81-47
Ростов-на-Дону (863)308-18-15
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Самара (846)206-03-16
Санкт-Петербург (812)309-46-40
Саратов (845)249-38-78
Севастополь (8692)22-31-93
Симферополь (3652)67-13-56
Смоленск (4812)29-41-54
Сочи (862)225-72-31
Ставрополь (8652)20-65-13
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Сургут (3462)77-98-35
Тверь (4822)63-31-35
Томск (3822)98-41-53
Тула (4872)74-02-29
Тюмень (3452)66-21-18
Ульяновск (8422)24-23-59
Уфа (347)229-48-12
Хабаровск (4212)92-98-04
Челябинск (351)202-03-61
Череповец (8202)49-02-64
Ярославль (4852)69-52-93

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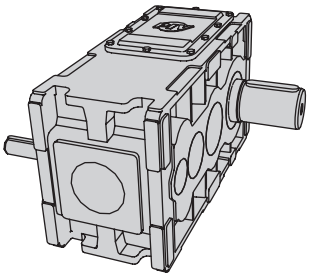
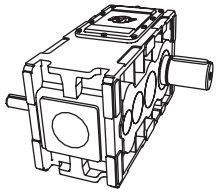
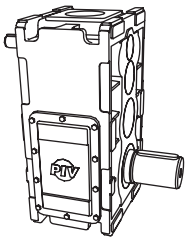
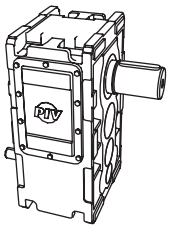
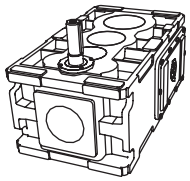
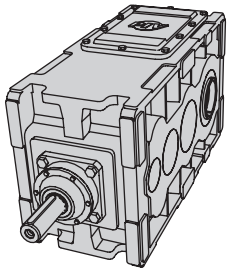
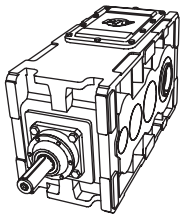
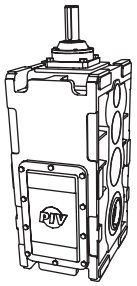
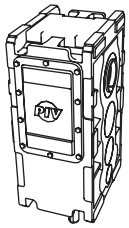
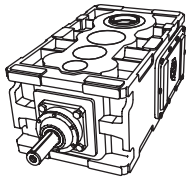
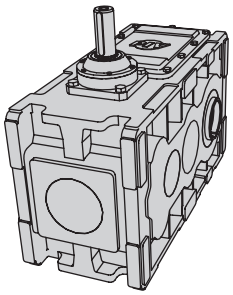
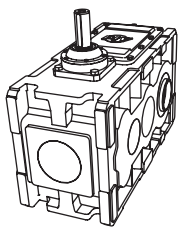
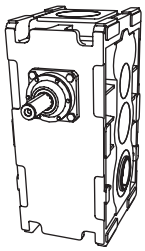
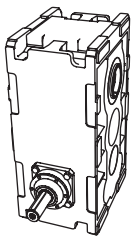
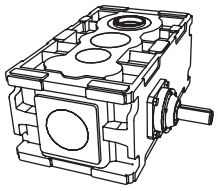
ВИНТОВЫЕ И КОНИЧЕСКИЕ РЕДУКТОРЫ

Эта интегрированная линейка винтовых и конических редукторов. Эти редукторы производятся с использованием самых современных технологий проектирования, материалов и производства, что обеспечивает максимальную мощность и надежность в рамках экономически эффективного пакета. С серией коробок передач охватывает весь спектр решений по передаче энергии для широкого спектра промышленных применений: от экологических и перерабатывающих технологий до погрузочно-разгрузочных работ и кранов, от химической промышленности до цементной и стальной промышленности. обеспечивает высокую эффективность, надежную работу, гибкость и короткие сроки доставки. Множество стандартных опций с большим разнообразием версий гарантируют оптимальную адаптацию практически во всех областях машиностроения.

ТЕХНИЧЕСКИЕ ХАРАКТЕРИСТИКИ И ГАБАРИТНЫЕ

Типы конструкций Типы редукторов	Монтажные позиции			
	R	**S**	**T**	**U**
	горизонтальный выходной вал	выходной вал ниже Vertical,	Вертикальный, выходной вал выше Debout	Лежа, выходной вал вертикальный
PB, PC, PD, PE	Винтовые редукторы / Параллельные оси Редукторы с параллельными валами			
	 **R**	 **S**	 **T**	 **U**
PLB, PLC, PLD	Коническо-цилиндрические редукторы / Редукторы с ортогональной осью Редукторы. цилиндр. / Редукторы с перпендикулярной осью / Редукторы с угловой осью			
	 **R**	 **S**	 **T**	 **U**
PWC, PWD	Компактные приводы / Компактные редукторы			
	 **R**	 **S**	 **T**	 **U**

Полномочия и крутящие моменты

i_N	n_1	n_2	PB 10	PB 12	PB 16	PB 20	PB 25	PB 31	PB 40	PB 45
	[min-1]		Номинальная мощность						P_N [kW]	
1.25	1500	1200	120	320	660	1450	2800	4100		
	1000	800	80	210	440	970	1850	2750		
	T_{2N} [kNm]		0.96	2.55	5.25	11.5	22.3	32.6		
1.4	1500	1070	110	300	620	1350	2600	3800		
	1000	715	73	200	410	900	1700	2500		
	T_{2N} [kNm]		0.98	2.67	5.53	12	23.2	33.9		
1.6	1500	940	105	280	570	1260	2400	3600		
	1000	625	70	190	380	840	1600	2400		
	T_{2N} [kNm]		1.07	2.85	5.81	12.8	24.4	36.7		
1.8	1500	835	96	260	530	1160	2200	3350		
	1000	555	64	170	350	770	1450	2250		
	T_{2N} [kNm]		1.1	2.98	6.07	13.3	25.2	38.4		
2	1500	750	89	220	460	1000	2200	3100		
	1000	500	59	145	310	670	1450	2000		
	T_{2N} [kNm]		1.13	2.8	5.86	12.7	28	39.5		
2.24	1500	670	80	200	420	920	2000	2800		
	1000	445	53	130	280	610	1350	1850		
	T_{2N} [kNm]		1.14	2.85	5.99	13.1	28.5	39.9		
2.5	1500	600	80	200	420	920	1850	2800		
	1000	400	53	130	280	610	1250	1850		
	T_{2N} [kNm]		1.27	3.18	6.69	14.6	29.4	44.6		
2.8	1500	535	69	170	350	780	1600	2400		
	1000	360	46	110	230	520	1050	1600		
	T_{2N} [kNm]		1.23	3.03	6.24	13.9	28.5	42.8		
3.15	1500	475	59	170	350	750	1300	2100		
	1000	315	39	110	230	500	850	1400		
	T_{2N} [kNm]		1.18	3.41	7.02	15	26.1	42.1		
3.55	1500	425	57	140	290	580	1150	1950		
	1000	280	38	93	190	390	750	1300		
	T_{2N} [kNm]		1.29	3.16	6.55	13.1	26	44.1		
4	1500	375	47	130	270	520	850	1500	2700	4700
	1000	250	31	85	180	350	570	1000	1800	3100
	T_{2N} [kNm]		1.2	3.31	6.88	13.2	21.6	38.2	68.8	120
4.5	1500	335	43	110	230	460	770	1400	2300	4200
	1000	220	29	73	150	310	510	950	1550	2800
	T_{2N} [kNm]		1.23	3.15	6.59	13.2	22.1	40.1	65.6	120
5	1500	300	34	88	180	360	640	1200	2000	3200
	1000	200	23	59	120	240	420	800	1350	2100
	T_{2N} [kNm]		1.08	2.8	5.73	11.5	20.4	38.2	63.7	102
5.6	1500	270	32	82	170	320	590	1000	1800	3000
	1000	180	21	55	110	210	390	650	1200	2000
	T_{2N} [kNm]		1.14	2.92	6.06	11.4	21	35.7	63.7	106

PB

PB .. -R1									
v_w [m/s]	n_1 [min^{-1}]	10	12	16	20 6)	25 6)	31 5)6)	40	45
		P_{t0} [kW]							
0.5 1)	–	46	77	127	179	234	318	4)	
1.2 2)	–	65	110	182	256	334	454		
4.0 3)	–	85	143	237	333	434	590		
		P_{t1} [kW]							
	1500	110	213	354	497	650	883 5)	4)	
	1000	82	158	263	370	484	657 5)		
		P_{t3} [kW]							
0.5 1)	–	–	177	505	691	1053	1415	4)	
1.2 2)	–	–	210	560	768	1153	1551		
4.0 3)	–	–	243	615	845	1253	1687		
		P_{t4} [kW]							
	1500	–	314	732	1009	1469	1979 5)	4)	
	1000	–	234	545	882	1093	1472 5)		
		P_{t8} [kW]							
0.5 1)	–	–	194	618	842	1310	1758	4)	
1.2 2)	–	–	239	657	896	1380	1854		
4.0 3)	–	–	281	695	950	1450	1950		
		P_{t9} [kW]							
	1500	–	289	777	1065	1602	2153 5)	4)	
	1000	–	251	713	976	1485	1995 5)		

i_N	n_1	n_2	PC																						
			14	16	18	20	22	25	28	31	35	40	42	45	47	50	53	56	60	63	67	71	75	80	85
	[min-1]		P_N [kW]																						
4	1500	375	121		230		542		840		1800		2500			7618			13469			21793			
	1000	250	81		153		360		560		1200		1670			5079			8979			14529			
	T_{2N}	[kNm]	3.10		5.86		13.8		21.4		45.8		63.7			194			343			555			
4.5	1500	335	108		230		500		840		1750		2500			6805	8384		12032	14593		19469	22626		
	1000	220	72		153		360		560		1170		1670			4469	5506		7902	9583		12785	14859		
	T_{2N}	[kNm]	3.10		6.59		14.3		24.1		50.1		71.6			194	239		343	416		555	645		
5	1500	300	98		230		460		770		1600	1800	2500	2500		6094	7508		10775	13068	15173	17435	20262	22618	
	1000	200	65		153		350		513		1070	1200	1670	1670		4063	5005		7183	8712	10115	11623	13508	15079	
	T_{2N}	[kNm]	3.12		7.32		14.6		24.5		50.9	57.3	79.6	79.6		194	239		343	416	483	555	645	720	
5.6	1500	270	91		230	230	430	540	710	840	1500	1750	2500	2500		5485	6757	8397	9697	11761	13655	15691	18236	20356	22759
	1000	180	58		153	153	310	360	473	560	1000	1170	1670	1670		3657	4505	5598	6465	7841	9104	10461	12157	13571	15173
	T_{2N}	[kNm]	3.26		8.2	8.20	15.3	19.3	25.3	29.9	53.5	62.4	89.1	89.1		194	239	297	343	416	483	555	645	720	805
6.3	1500	240	81	115	211	230	400	500	661	840	1430	1600	2300	2500	2500	4875	6006	7464	8620	10454	12138	13948	16209	18094	20230
	1000	160	52	85	141	153	270	360	441	560	955	1070	1535	1660	1660	3250	4004	4976	5747	6970	8092	9298	10806	12063	13487
	T_{2N}	[kNm]	3.26	4.61	8.48	9.23	16	20.1	26.5	33.7	57.0	64.2	92.3	100	100	194	239	297	343	416	483	555	645	720	805
7.1	1500	211	72	112	196	230	367	460	600	770	1260	1500	2230	2500	2500	4286	5281	6562	7578	9191	10672	12262	14251	15908	17786
	1000	141	46	75	131	153	245	350	400	513	840	1000	1490	1670	1670	2864	3529	4385	5064	6142	7131	8194	9523	10630	11885
	T_{2N}	[kNm]	3.26	5.10	8.85	10.4	16.6	20.8	27.1	34.8	57.0	67.8	101	113	113	194	239	297	343	416	483	555	645	720	805
8	1500	188	64	106	174	232	330	410	570	711	1120	1490	1985	2300	2500	3819	4705	5847	6752	8189	9508	10926	12697	14174	15847
	1000	125	41	71	116	155	220	310	380	474	746	990	1325	1530	1660	2539	3128	3887	4490	5445	6322	7264	8442	9424	10537
	T_{2N}	[kNm]	3.26	5.41	8.86	11.8	16.8	20.9	29.0	36.2	57.0	71.8	101	117	127	194	239	297	343	416	483	555	645	720	805
9	1500	167	57	94	155	206	294	374	538	660	995	1320	1763	2200	2500	3392	4179	5194	5998	7275	8446	9705	11279	12591	14077
	1000	111	36	63	103	137	196	249	358	440	663	880	1175	1470	1665	2255	2778	3452	3987	4835	5614	6451	7497	8369	9357
	T_{2N}	[kNm]	3.26	5.41	8.86	11.8	16.8	21.4	30.8	37.8	57.0	76	101	126	143	194	239	297	343	416	483	555	645	720	805
10	1500	150	51	85	139	185	264	358	483	600	895	1200	1590	1980	2300	3047	3754	4665	5387	6534	7586	8717	10131	11309	12644
	1000	100	33	57	93	123	176	239	322	400	600	800	1058	1320	1530	2031	2503	3110	3592	4356	5058	5812	6754	7539	8429
	T_{2N}	[kNm]	3.26	5.41	8.86	11.8	16.8	22.8	30.8	38.2	57.0	76	101	126	146	194	239	297	343	416	483	555	645	720	805
11.2	1500	134	46	76	124	165	236	326	452	589	800	1070	1420	1770	2175	2722	3354	4167	4813	5837	6777	7787	9050	10103	11295
	1000	89	29	51	83	110	157	217	301	391	533	710	945	1180	1450	1808	2227	2768	3197	3877	4501	5172	6011	6710	7502
	T_{2N}	[kNm]	3.26	5.41	8.86	11.8	16.8	23.2	32.2	42.0	57.0	76	101	126	155	194	239	297	343	416	483	555	645	720	805
12.5	1500	120	41	68	111	148	211	304	426	527	745	955	1320	1585	1950	2435	3003	3732	4200	5227	6069	6974	8105	9047	10115
	1000	80	26	45	74	99	141	203	284	351	500	640	880	1055	1300	1625	2002	2488	2800	3485	4046	4649	5403	6031	6743
	T_{2N}	[kNm]	3.26	5.41	8.86	11.8	16.8	24.2	33.9	42.0	59.3	76	105	126	155	194	239	297	343	416	483	555	645	720	805
14	1500	107	37	61	94	132	189	276	373	470	680	853	1180	1415	1740	2175	2685	3328	3800	4400	5412	6218	7227	8067	9019
	1000	71	23	41	63	88	126	184	249	312	452	570	786	945	1160	1450	1790	2208	2500	2900	3591	4126	4795	5353	5985
	T_{2N}	[kNm]	3.26	5.41	8.36	11.8	16.8	24.6	33.2	42.0	60.4	76	105	126	155	194	239	297	343	416	483	555	645	720	805
16	1500	94	30	53	81	116	160	242	314	427	560	775	1020	1290	1520	1905	2350	2923	3400	3950	4400	5463	6349	7087	7924
	1000	63	20	35	54	77	110	161	209	285	370	520	680	860	1015	1270	1565	1959	2250	2600	2900	3661	4255	4750	5310
	T_{2N}	[kNm]	3.10	5.41	8.20	11.8	16.5	24.6	32.0	43.5	57.0	79	104	131	155	194	239	297	343	400	483	555	645	720	805
18	1500	83	28	47	71	103	145	215	280	392	500	690	878	1170	1355	1690	2050	2590	3000	3400	4000	4824	5606	6258	6996
	1000	56	18	31	48	69	96	143	187	261	330	460	590	780	900	1130	1365	1730	2000	2250	2650	3254	3782	4222	4720
	T_{2N}	[kNm]	3.16	5.41	8.20	11.8	16.5	24.6	32.0	44.9	57.0	79	101	134	155	194	239	297	343	400	483	555	645	720	805
20	1500	75		42		93		183		364		596		1010	1270		1825	2330		3000	3400		5065	5654	6322
	1000	50		28		62		122		243		398		675	845		1220	1555		2000	2250		3377	3770	4215
	T_{2N}	[kNm]		5.41		11.8		23.3		46.4		76		129	161		239	297		400	460		645	720	805
22.4	1500	67		38		82		160		306		533		884	1150			2000			3000			5051	5648
	1000	44.5		25		55		105		204		355		587	770			1335			2000			3355	3751
	T_{2N}	[kNm]		5.41		11.8		21.4		43.7		76		126	164			286			460			720	805
25	1500	60		32		74		143		269					1005			1780							5058
	1000	40		21		49		95		179					670			1185							3372
	T_{2N}	[kNm]		5.10		11.8		22.8		42.8					160			286							805
28	1500	54		29											875										
	1000	35.5		19											575										
	T_{2N}	[kNm]		5.10											155										

Wärmegrenzleistungen

Thermal capacities / Potenza termica limite / Puissance thermique limite / Potencias térmicas limite / Potências térmicas

PC .. -R1															
v_w [m/s]	n_1 [min^{-1}]	14	16	18	20	22 5)	25 5)	28 5)	31 5)	35 5)	40 5)	42 5)	45 5)	47 5)	50... 85
		P_{t0} [kW]													
0.5 1)	–	30	40	50	64	78	94	111	132	149	191	216	260	315	4)
1.2 2)	–	42	55	70	89	108	130	154	184	207	265	300	361	437	
4.0 3)	–	54	71	90	114	138	166	197	236	265	339	384	462	559	
		P_{t1} [kW]													
–	1500	82	108	136	173	210	252	299	359	403	515	583	702	850	4)
–	1000	61	80	101	129	156	187	222	267	299	383	433	522	632	
		P_{t3} [kW]													
0.5 1)	–	85	163	113	220	233	350	295	460	375	657	510	660	700	4)
1.2 2)	–	97	178	133	244	262	383	332	502	422	713	568	732	785	
4.0 3)	–	109	193	153	268	291	413	368	544	468	768	627	803	870	
		P_{t4} [kW]													
–	1500	137	231	199	324	359	486	455	642	578	900	767	971	1075	4)
–	1000	116	203	164	282	308	431	390	569	495	801	662	845	871	
5) P_{t0}, P_{t3}															
0.5 1)						8	8	8	8	12.5	12.5	12.5	12.5	12.5	
1.2 2)					i_N	4	5.6	4	5.6	7.1	7.1	9	9	9	
4.0 3)						4	5.6	4	5.6	5	5	6.3	6.3	6.3	

Tab. 4 f_W

ϑ_U [°C]	ED %				
	100	80	60	40	20
10	1.14	1.21	1.34	1.53	2.03
20	1.00	1.06	1.17	1.34	1.78
30	0.86	0.91	1.00	1.15	1.53
40	0.71	0.76	0.84	0.96	1.27
50	0.57	0.61	0.67	0.77	1.02

Tab. 5 f_A

Auslastung / Charge / Utilizzo / Utilisation / Proporción de carga / Carga P_e / P_N [%]								
20	30	40	50	60	70	80	90	100
0.7	0.8	0.86	0.9	0.93	0.96	0.98	0.99	1

PC																		
14	16	18	20	22	25	28	31	35	40	42	45	47	50	53	56	60	63	67
0.67	0.87	1.11	1.41	1.71	2.06	2.44	2.93	3.29	4.20	4.76	5.73	6.94	6.93	8.19	10.00	10.34	11.81	13.35

i_N	n_1	n_2	PD 14	16	18	20	22	25	28	31	35	40	42	45	47	50	53	56	60	63	67	71	75	80	85
	[min-1]		**Getriebe-Nennleistung** / Nominal power / Potenza nominale Puissance nominale / Potencia nominal / Potência nominal																			P_N [kW]			
16	1500	94			87				300		582		1031			1900			3370			5463			
	1000	63			58				200		388		687			1270			2250			3661			
	T_{2N}	[kNm]			8.86				27.6		59.3		105			194			343			555			
18	1500	83			73				267		527		917			1690			3000	3630		4824	5606		
	1000	56			49				178		351		611			1127			2000	2420		3254	3782		
	T_{2N}	[kNm]			8.36				30.8		60.4		105			194			343	416		555	645		
20	1500	75	26		64		132		252		447	621	817	1029		1522	1880		2700	3270	3800	4359	5065	5654	
	1000	50	17		43		88		168		298	414	545	686		1015	1253		1800	2180	2530	2906	3377	3770	
	T_{2N}	[kNm]	3.26		8.20		16.8		32.0		57.0	79.0	105	131		194	239		343	416	483	555	645	720	
22.4	1500	67	23		62	83	118		238	294	416	554	737	937		1360	1680	2080	2410	2805	3390	3894	4525	5051	5648
	1000	44.5	15.2		41	55	79		159	195	277	369	491	625		906	1120	1387	1605	1870	2260	2586	3005	3355	3751
	T_{2N}	[kNm]	3.26		8.86	11.8	16.8		33.9	37.5	59.3	79.0	105	134		194	239	297	343	400	483	555	645	720	805
25	1500	60	19.5		53	74	103	155	213	264	380	477	660	808	1013	1220	1474	1865	2160	2614	2890	3487	4052	4524	5058
	1000	40	13		35	49	69	103	142	176	253	318	440	539	675	812	983	1243	1440	1743	1930	2325	2702	3016	3372
	T_{2N}	[kNm]	3.10		8.36	11.8	16.5	24.6	33.9	42.0	60.4	76.0	105	131	161	194	235	297	343	416	460	555	645	720	805
28	1500	54	18		46	66	93	130	180	256	322	443	584	735	922	1090	1342	1600	1930	2334	2710	3138	3647	4071	4552
	1000	35.5	12		29	39	62	87	120	171	209	295	389	490	615	725	895	1070	1285	1556	1807	2063	2398	2676	2992
	T_{2N}	[kNm]	3.16		8.20	11.8	16.5	23.3	32.0	45.7	57.0	79.0	105	131	164	194	239	286	343	416	483	555	645	720	805
31.5	1500	47.5	16	27	41	59	84	113	160	235	284	394	502	666	796	966	1193	1480	1700	1995	2410	2760	3208	3581	4004
	1000	31.5	11	18	27	39	56	75	107	157	189	263	333	444	531	644	795	987	1130	1330	1606	1831	2127	2375	2655
	T_{2N}	[kNm]	3.26	5.41	8.20	11.8	16.8	22.8	32.0	47.0	57.0	79.0	101	134	161	194	239	297	343	400	483	555	645	720	805
35.5	1500	42.5	14	24	37	52	74	101	150	208	267	338	465	569	713	858	1040	1313	1520	1780	2035	2470	2870	3204	3582
	1000	28	9.3	16	25	35	49	67	100	139	178	223	310	379	475	572	692	875	1013	1172	1360	1627	1891	2111	2360
	T_{2N}	[kNm]	3.26	5.41	8.36	11.8	16.8	22.8	33.9	47.0	60.4	76.0	105	129	161	194	235	297	343	400	460	555	645	720	805
40	1500	37.5	12.2	20	32	46	65	97	126	172	224	300	409	495	645	761	912	1120	1350	1634	1800	2179	2533	2827	3161
	1000	25	8.1	13.3	21	31	43	65	84	115	149	200	273	330	430	507	608	748	900	1090	1200	1453	1688	1885	2107
	T_{2N}	[kNm]	3.10	5.10	8.20	11.8	16.5	24.6	32.0	43.7	57.0	76.0	105	126	164	194	235	286	343	416	460	555	645	720	805
45	1500	33.5	11	18	29	41	58	81	112	150	200	276	354	466	557	677	835	987	1190	1400	1690	1947	2263	2526	2824
	1000	22.2	7.3	12	19	27	39	54	75	100	133	184	235	311	371	451	557	658	791	931	1124	1290	1499	1674	1871
	T_{2N}	[kNm]	3.16	5.10	8.20	11.8	16.5	23.3	32.0	42.8	57.0	79.0	101	134	160	194	239	286	343	400	483	555	645	720	805
50	1500	30	10	17	28	37	53	71	106	148	186	234	330	404	487	609	737	932	1080	1256	1445	1743	2026	2262	2529
	1000	20	6.7	11	19	25	35	47	71	99	124	156	220	269	324	406	491	621	720	837	963	1162	1351	1508	1686
	T_{2N}	[kNm]	3.26	5.41	8.86	11.8	16.8	22.8	33.9	47.0	59.3	76.0	105	129	155	194	235	297	343	400	460	555	645	720	805
56	1500	27	9.1	15	23	32	47	64	95	123	169	215	295	356	461	544	652	800	963	1170	1300	1569	1824	2036	2276
	1000	17.9	6.1	10	15	21	31	43	63	82	113	142	197	236	307	363	435	534	642	778	862	1040	1209	1350	1509
	T_{2N}	[kNm]	3.26	5.41	8.36	11.8	16.8	22.8	33.9	43.7	60.4	76.0	105	126	164	194	235	286	343	416	460	555	645	720	805
63	1500	23.8	7.7	12.7	20	29	41	61	80	107	142	197	259	327	398	483	596	705	856	1040	1200	1383	1607	1794	2006
	1000	16	5.2	8.5	13	19	27	41	53	71	95	131	173	218	265	322	397	470	571	691	803	930	1081	1206	1349
	T_{2N}	[kNm]	3.10	5.10	8.20	11.8	16.5	24.6	32.0	42.8	57.0	79.0	105	131	160	194	239	286	343	416	483	555	645	720	805
71	1500	21	7	11	18	26	37	51	71	104	126	175	222	295	340	429	529	657	752	885	1070	1220	1418	1583	1770
	1000	14	4.7	7.3	12	17	24	34	47	69	84	117	148	197	227	286	353	438	501	590	713	814	946	1055	1180
	T_{2N}	[kNm]	3.16	5.10	8.20	11.8	16.5	23.3	32.0	47.0	57.0	79.0	101	134	155	194	239	297	343	400	483	555	645	720	805
80	1500	18.8		11	16	23		45	60	92	119	149	206	252	317	381	461	583	674	787	903	1093	1270	1417	1585
	1000	12.5		7.3	11	15		30	40	61	79	99	137	168	211	254	307	389	449	523	602	726	844	942	1054
	T_{2N}	[kNm]		5.41	8.36	11.8		22.8	30.8	47.0	60.4	76.0	105	129	161	194	235	297	343	400	460	555	645	720	805
90	1500	16.7		9.4	14.3	21		40	56	76	99	133	182	220	284	338	405	498	600	726	804	971	1128	1259	1408
	1000	11.1		6.3	9.5	13		27	37	51	66	89	121	146	191	225	270	332	400	484	534	645	750	837	936
	T_{2N}	[kNm]		5.41	8.20	11.8		22.8	32.0	43.7	57.0	76.0	105	126	164	194	235	286	343	416	460	555	645	720	805
100	1500	15		7.7	12.9	18			50	67	90	124	158	210	251	304	376	444	534	628	759	872	1013	1131	1264
	1000	10		5.1	8.6	12			33	45	60	83	105	140	167	203	251	296	356	419	506	581	675	754	843
	T_{2N}	[kNm]		5.10	8.20	11.8			32.0	42.8	57.0	79.0	101	134	160	194	239	286	343	400	483	555	645	720	805
112	1500	13.4		7.2		17				59		106		180	217		329	416		561	645		905	1010	1130
	1000	8.9		4.8		11				39		71		120	144		219	277		372	430		601	671	750
	T_{2N}	[kNm]		5.10		11.8				42.0		76.0		129	155		235	297		400	460		645	720	805
125	1500	12				15				55		96		158	206		292	359			578			905	1012
	1000	8				9.9				37		64		105	137		195	239			385			603	674
	T_{2N}	[kNm]				11.8				43.7		76.0		126	164		235	286			460			720	805
140	1500	10.7				13				48					179			317							902
	1000	7.1				8.8				32					119			211							598
	T_{2N}	[kNm]				11.8				42.8					160			286							805
160	1500	9.4													152										
	1000	6.3													102										
	T_{2N}	[kNm]													155										

Wärmegrenzleistungen

Thermal capacities / Potenza termica limite / Puissance thermique limite / Potencias térmicas limite / Potências térmicas

PD .. -R1

v_w [m/s]	n_1 [min^{-1}]	Getriebegröße / Size / Grandezza / Taille / Tamaño / Tamanho																		
		14	**16**	**18**	**20**	**22**	**25**	**28**	**31**	**35 5)**	**40 5)**	**42 5)**	**45 5)**	**47 5)**	**50 5)**	**53 5)**	**56 5)**	**60 5)**	**63 5)**	**67 5)**	**71... 85**
		P_{t0} [kW]																		
0.5 1)	–	20	27	34	42	52	62	73	89	111	127	144	174	210	210	248	302	312	357	404	4)
1.2 2)	–	28	37	47	59	72	86	102	123	154	177	200	241	291	291	344	420	434	496	561	
4.0 3)	–	36	47	60	76	92	110	131	157	197	227	256	308	372	372	440	538	556	635	718	
		P_{t1} [kW]																			
–	1500	54	72	91	115	140	168	199	239	300	343	389	468	566	566	669	817				
–	1000	40	53	68	85	104	125	148	178	223	255	289	348	421	421	497	607				
		P_{t3} [kW]																			
0.5 1)	–	57	109	76	154	134	276	231	385	325	584	485	631	667	780	986	1040	1050	1095	1142	4)
1.2 2)	–	65	119	89	171	154	300	260	419	368	634	541	698	748	861	1082	1158	1172	1234	1299	
4.0 3)	–	73	129	102	188	174	324	289	453	411	684	597	765	829	942	1178	1276	1294	1373	1456	
		P_{t4} [kW]																			
–	1500	91	154	133	227	222	382	357	535	514	800	730	925	1023	1136	1407	1555				
–	1000	77	135	110	197	186	339	306	474	437	712	630	805	878	991	1235	1345				

Tab. 4 f_W

ϑ_U [°C]	ED %				
	100	**80**	**60**	**40**	**20**
10	1.14	1.21	1.34	1.53	2.03
20	1.00	1.06	1.17	1.34	1.78
30	0.86	0.91	1.00	1.15	1.53
40	0.71	0.76	0.84	0.96	1.27
50	0.57	0.61	0.67	0.77	1.02

Tab. 5 f_A

Auslastung / Charge / Utilizzo / Utilisation / Proporción de carga / Carga P_e / P_N [%]								
20	**30**	**40**	**50**	**60**	**70**	**80**	**90**	**100**
0.7	0.8	0.86	0.9	0.93	0.96	0.98	0.99	1

PD																		
14	**16**	**18**	**20**	**22**	**25**	**28**	**31**	**35**	**40**	**42**	**45**	**47**	**50**	**53**	**56**	**60**	**63**	**67**
0.67	0.87	1.11	1.41	1.71	2.06	2.44	2.93	3.29	4.20	4.76	5.73	6.94	6.93	8.19	10.00	10.34	11.81	13.35

i_N	n_1	n_2	PE 18	20	22	25	28	31	35	40	42	45	47	50	53	56	60	63	67	71	75	80	85
	[min-1]																			P_N [kW]			
63	1500	23.8																		1384			
	1000	15.9																		922			
	T_{2N}	[kNm]																		555			
71	1500	21			37		68		131		232			429			760			1220	1418		
	1000	14			25		45		87		155			286			507			814	946		
	T_{2N}	[kNm]			16.8		30.8		59.3		105			194			343			555	645		
80	1500	18.8			33		65		119		206			381			674	817		1093	1270	1417	
	1000	12.5			22		43		79		137			254			450	545		726	844	942	
	T_{2N}	[kNm]			16.8		33.2		60.4		105			194			343	416		555	645	720	
90	1500	16.7	15		29	43	56		100		182	229		338	417		600	726		971	1128	1259	1408
	1000	11.1	10		19	29	37		66		121	153		225	278		400	484		645	750	837	936
	T_{2N}	[kNm]	8.86		16.5	24.6	32.0		57.0		105	131		194	239		343	416		555	645	720	805
100	1500	15	13		26	37	48	66	93	124	165	210		304	376	466	540	630	759	872	1013	1131	1264
	1000	10	8.7		17	25	32	44	62	83	110	140		203	251	311	360	420	506	581	675	754	843
	T_{2N}	[kNm]	8.36		16.8	23.3	30.8	42.0	59.3	79.0	105	134		194	239	297	343	400	483	555	645	720	805
112	1500	13.4	11.5		24	32	47	63	85	111	147	180	226	272	329	416	482	583	645	779	905	1010	1130
	1000	8.9	7.6		16	21	31	42	57	74	98	120	151	181	219	277	321	389	430	517	601	671	750
	T_{2N}	[kNm]	8.20		16.8	22.8	33.2	45.2	60.4	79.0	105	131	161	194	235	297	343	416	460	555	645	720	805
125	1500	12	10.3	15	21	31	40	55	72	96	131	165	206	244	301	359	432	523	607	697	810	905	1012
	1000	8	6.6	10	14	21	27	37	48	64	87	110	137	163	201	239	288	349	405	465	540	603	674
	T_{2N}	[kNm]	8.20	11.8	16.5	24.6	32.0	43.7	57.0	76.0	105	131	164	194	239	286	343	416	483	555	645	720	805
140	1500	10.7	9.9	13	19	26	36	47	64	89	113	150	179	217	268	333	384	450	542	622	723	807	902
	1000	7.1	6.6	8.7	13	17	24	31	43	59	75	100	119	145	179	222	256	300	361	413	480	535	598
	T_{2N}	[kNm]	8.86	11.8	16.5	23.3	32.0	42.0	57.0	79.0	101	134	161	194	239	297	343	400	483	555	645	720	805
160	1500	9.4	8.2	11.6	17	22	33	44	59	78	103	126	158	190	230	291	337	394	452	546	635	709	792
	1000	6.3	5.5	7.8	11	15	22	29	39	52	69	84	105	127	155	194	225	264	301	366	425	475	531
	T_{2N}	[kNm]	8.36	11.8	16.8	22.8	33.2	45.2	60.4	79.0	105	129	161	194	235	297	343	400	460	555	645	720	805
180	1500	8.33	7.1	10.3	14	20	28	38	50	66	91	110	143	169	203	249	300	363	400	484	563	628	702
	1000	5.55	4.7	6.8	9.6	13	19	25	33	44	61	73	95	113	136	166	200	242	270	323	375	418	468
	T_{2N}	[kNm]	8.20	11.8	16.5	22.8	32.0	43.7	57.0	76.0	105	126	164	194	235	286	343	416	460	555	645	720	805
200	1500	7.5	6.4	9.3	13	18	25	34	45	60	79	105	125	152	188	222	269	314	379	436	507	565	632
	1000	5	4.3	6.2	8.7	12	17	23	30	40	53	70	83	101	125	148	182	210	253	291	338	377	421
	T_{2N}	[kNm]	8.20	11.8	16.5	23.3	32.0	42.8	57.0	76.0	101	134	160	194	239	286	343	400	483	555	645	720	805
224	1500	6.7	6.2	8.3	12	16	22	32	42	55	74	90	109	136	166	208	241	280	323	389	453	505	565
	1000	4.46	4.1	5.5	8	11	14	21	28	37	49	60	72	91	110	139	161	185	215	259	301	336	376
	T_{2N}	[kNm]	8.86	11.8	16.8	22.8	30.8	45.2	59.3	79.0	105	129	155	194	235	297	343	400	460	555	645	720	805
250	1500	6	5.3	7.4	11	14	21	27	38	48	66	79	103	122	146	179	216	261	290	349	405	452	506
	1000	4	3.5	4.9	7.3	9.3	14	18	25	32	44	53	69	81	98	119	144	174	195	232	270	302	337
	T_{2N}	[kNm]	8.36	11.8	16.8	22.8	33.2	43.7	60.4	76.0	105	126	164	194	235	286	343	416	460	555	645	720	805
280	1500	5.36	5.1	6.6	9.3	14	18	24	32	43	58	74	90	109	134	159	193	233	271	311	362	404	452
	1000	3.57	3	4.4	6.2	9.3	12	16	21	28	39	49	60	73	89	106	129	155	181	207	241	269	301
	T_{2N}	[kNm]	8.20	11.8	16.5	24.6	32.0	42.8	57.0	76.0	101	131	160	194	239	286	343	416	483	555	645	720	805
315	1500	4.76	4.1	5.9	8.2	11	16	21	28	39	50	67	77	97	119	148	171	200	241	277	321	359	401
	1000	3.17	2.7	3.9	5.5	8	11	14	19	26	34	45	51	65	79	99	114	133	161	184	214	239	267
	T_{2N}	[kNm]	8.20	11.8	16.5	23.3	32.0	42.0	57.0	79.0	101	134	155	194	239	297	343	400	483	555	645	720	805
355	1500	4.22		5.2	7.5	10	15	20	27	35	46	57	71	86	104	131	152	177	204	245	285	318	356
	1000	2.82		3.5	5	6.7	10	13	18	23	31	38	47	57	69	87	101	121	136	164	190	213	238
	T_{2N}	[kNm]		11.8	16.8	22.8	33.2	45.2	60.4	79.0	105	129	161	194	235	297	343	400	460	555	645	720	805
400	1500	3.75		4.6	6.5	9	13	17	22	30	41	49	65	76	91	112	135	163	180	218	253	283	316
	1000	2.5		3.1	4.3	6	8.7	11	15	20	27	33	43	51	61	75	90	109	120	145	169	188	211
	T_{2N}	[kNm]		11.8	16.5	22.8	32.0	43.7	57.0	76.0	105	126	164	194	235	286	343	416	460	555	645	720	805
450	1500	3.35		4.1	5.8	8.1	11	15	20	27	35	47	56	68	83	99	120	140	169		226	253	282
	1000	2.22		2.7	3.9	5.4	7.3	10	13	18	23	31	37	45	55	66	80	93	113		150	167	187
	T_{2N}	[kNm]		11.8	16.5	23.3	32.0	42.8	57.0	76.0	101	134	160	194	239	286	343	400	483		645	720	805
500	1500	3				7.2		14		25		40	49		74	93		125	145			226	253
	1000	2				4.8		9.3		17		27	32		49	62		84	97			151	169
	T_{2N}	[kNm]				22.8		45.2		79.0		129	155		235	297		400	460			720	805
560	1500	2.68				6.4		12		21		35	46		65	80			130				226
	1000	1.79				4.3		8		14		24	31		44	53			86				151
	T_{2N}	[kNm]				22.8		43.7		76.0		126	164		235	286			460				805
630	1500	2.38						11		19			40			71			115				
	1000	1.59						7.3		13			27			47			77				
	T_{2N}	[kNm]						42.8		76.0			160			286			460				
710	1500	2.1											34										
	1000	1.4											23										
	T_{2N}	[kNm]											155										

Теплоемкости

v_w [m/s]	n_1 [min-1]			PE .. -R1 18	20	22	25	28	31	35	40	42	45	47	50	53	56	60	63	67	71... 85
				P_{t0} [kW]																	
0.5 1)	–			25	32	39	47	55	66	84	95	108	130	157	157	186	227	235	268	302	4)
1.2 2)	–			35	44	54	65	77	92	116	132	150	180	218	218	258	315	326	372	420	
4.0 3)	–			45	56	69	83	99	118	148	169	192	230	279	279	330	403	417	476	538	
				P_{t3} [kW]																	
0.5 1)	–			57	116	101	207	173	288	244	438	364	473	500	585	740	781	789	822	856	4)
1.2 2)	–			67	128	116	225	195	314	276	475	406	523	561	646	812	869	880	926	974	
4.0 3)	–			77	140	131	243	217	340	308	512	448	573	622	707	884	957	971	1030	1092	

PLB

i_N	n_1	n_2	PLB 10	12	16	20	25	31	40	45
	[min-1]									P_N [kW]
5.6	1500	270	30	80	160	314	555	956	1806	3169
	1000	180	20	53	107	209	370	638	1204	2113
	T_{2N} [kNm]		1.07	2.58	5.72	11.2	19.8	34.1	64.4	113
6.3	1500	240	27	67	138	274	471	835	1566	2817
	1000	160	18	45	92	183	314	557	1044	1878
	T_{2N} [kNm]		1.07	2.68	5.55	11	18.9	33.5	62.8	113
7.1	1500	211	21	55	110	221	403	726	1389	2256
	1000	141	14	36	73	147	268	484	926	1504
	T_{2N} [kNm]		0.93	2.47	4.96	10	18.2	32.8	62.8	102
8	1500	188	21	56	112	220	389	670	1264	2219
	1000	125	14	37	75	147	259	446	843	1479
	T_{2N} [kNm]		1.07	2.85	5.72	11.2	19.8	34.1	64.4	113
9	1500	167	19	47	97	192	330	585	1096	1972
	1000	111	12	31	65	128	220	390	731	1315
	T_{2N} [kNm]		1.07	2.68	5.55	11	18.9	33.5	62.8	113
10	1500	150	15	39	78	157	286	515	986	1602
	1000	100	10	26	52	105	191	343	658	1068
	T_{2N} [kNm]		0.93	2.47	4.96	10	18.2	32.8	62.8	102
11.2	1500	134	15	40	80	157	278	478	903	1585
	1000	89	10	27	53	105	185	319	602	1056
	T_{2N} [kNm]		1.07	2.85	5.72	11.2	19.8	34.1	64.4	113
12.5	1500	120	13	34	70	138	237	421	789	1420
	1000	80	9	22	46	92	158	281	526	947
	T_{2N} [kNm]		1.07	2.68	5.55	11	18.9	33.5	62.8	113
14	1500	107	10	28	56	112	204	368	705	1144
	1000	71	7	18	37	75	136	245	470	763
	T_{2N} [kNm]		0.93	2.47	4.96	10	18.2	32.8	62.8	102
16	1500	94	11	27	56	107	194	335	632	1109
	1000	63	7	18	37	71	130	223	421	740
	T_{2N} [kNm]		1.07	2.8	5.72	10.9	19.8	34.1	64.4	113
18	1500	83	9.3	23	48	96	165	292	548	986
	1000	56	6.2	16	32	64	110	195	365	657
	T_{2N} [kNm]		1.07	2.68	5.55	11	18.9	33.5	62.8	113
20	1500	75	7.3	19	39	79	143	258	493	801
	1000	50	4.9	13	26	52	95	172	329	534
	T_{2N} [kNm]		0.93	2.47	4.96	10	18.2	32.8	62.8	102
22.4	1500	67	6.9	18	37	70	128	220	423	743
	1000	44.5	4.6	12	25	47	85	147	282	496
	T_{2N} [kNm]		0.99	2.52	5.26	10	18.2	31.4	60.3	106

Wärmegrenzleistungen

Thermal capacities / Potenza termica limite / Puissance thermique limite / Potencias térmicas limite / Potências térmicas

PLB .. -R1									
v_w [m/s]	n_1 [min^{-1}]	**Getriebegröße** / Size / Grandezza / Taille / Tamaño / Tamanho							
		10	**12**	**16**	**20**	**25**	**31**	**40** 5)	**45** 5)
		P_{t0} [kW]							
0.5 1)	–	15	26	42	60	94	127	175	237
1.2 2)	–	22	37	61	85	134	182	250	338
4.0 3)	–	28	48	79	111	174	236	325	439
		P_{t1} [kW]							
–	1500	37	71	118	166	260	353	485	4)
–	1000	27	53	88	123	193	263	361	
		P_{t3} [kW]							
0.5 1)	–	–	59	168	230	421	566	884	946
1.2 2)	–	–	70	187	256	461	620	959	1047
4.0 3)	–	–	81	205	282	501	675	1034	1148
		P_{t4} [kW]							
–	1500	–	104	244	336	588	792	1194	4)
–	1000	–	86	214	294	521	702	1070	

PLC

i_N	n_1	n_2	14	16	18	20	22	25	28	31	35	40	42	45	47	50	53	56	60	63	67	71	75	80	85
	[min-1]																			P_N [kW]					
18	1500	83	28		77		147		296		517		917			1690			3000			4824			
	1000	56	19		51		98		197		345		611			1130			2000			3254			
	T_{2N}	[kNm]	3.26		8.86		16.8		33.9		59.3		105			194			343			555			
20	1500	75	26		66		132		266		475		825			1520			2700	3270		4359	5065		
	1000	50	17		44		88		177		317		550			1015			1800	2180		2906	3377		
	T_{2N}	[kNm]	3.26		8.86		16.8		33.9		60.4		105			194			343	416		555	645		
22,4	1500	67	22		57		116	173	225		400	554	730	919		1360	1680		2410	2920	3390	3894	4525	5051	
	1000	44.5	14		38		77	115	150		266	369	487	613		906	1120		1605	1945	2260	2586	3005	3355	
	T_{2N}	[kNm]	3.10		8.20		16.5	24.6	32.0		57.0	79.0	104	131		194	239		343	416	483	555	645	720	
25	1500	60	20		56	74	106	146	213	296	372	497	660	839		1220	1500	1865	2160	2515	3035	3487	4052	4524	5058
	1000	40	13		37	49	71	97	142	197	248	331	440	559		812	1000	1245	1440	1675	2025	2325	2702	3016	3372
	T_{2N}	[kNm]	3.26		8.86	11.8	16.8	23.3	33.9	47.0	59.3	79.0	105	134		194	239	297	343	400	483	555	645	720	805
28	1500	54	18	30	47	66	94	129	190	264	339	430	589	721	904	1090	1315	1665	1930	2335	2580	3138	3647	4071	4552
	1000	35.5	12	20	31	44	63	80	127	176	226	279	393	481	603	725	880	1110	1285	1555	1720	2063	2398	2676	2992
	T_{2N}	[kNm]	3.26	5.41	8.86	11.8	16.8	22.8	33.9	47.0	60.4	76.0	105	129	161	194	235	297	343	416	460	555	645	720	805
31,5	1500	47.5	15	27	40	59	82	123	160	218	283	394	519	653	819	966	1200	1425	1710	2075	2410	2760	3208	3581	4004
	1000	31.5	10	18	27	39	54	82	107	145	188	263	346	435	546	644	795	949	1140	1385	1605	1831	2127	2375	2655
	T_{2N}	[kNm]	3.10	5.41	8.20	11.8	16.5	24.6	32.0	43.7	57.0	79.0	104	131	164	194	239	286	343	416	483	555	645	720	805
35,5	1500	42.5	14	23	39	52	74	103	150	208	262	350	465	591	706	858	1060	1315	1520	1770	2140	2470	2870	3204	3582
	1000	28	9.3	15	26	35	49	69	100	139	175	233	310	394	471	572	705	875	1010	1180	1425	1627	1891	2111	2360
	T_{2N}	[kNm]	3.26	5.10	8.86	11.8	16.8	23.3	33.9	47.0	59.3	79.0	105	134	161	194	239	297	343	400	483	555	645	720	805
40	1500	37.5	13	21	33	46	66	89	133	185	237	300	413	505	633	761	920	1165	1350	1635	1805	2179	2533	2827	3161
	1000	25	8.7	14	22	31	44	60	89	123	158	200	275	337	422	507	614	777	900	1090	1205	1453	1688	1885	2107
	T_{2N}	[kNm]	3.26	5.41	8.36	11.8	16.8	22.8	33.9	47.0	60.4	76.0	105	129	164	194	235	297	343	416	460	555	645	720	805
45	1500	33.5	11	19	29	41	58	86	112	152	200	276	363	457	574	677	835	997	1200	1450	1690	1947	2263	2526	2824
	1000	22.2	7.2	13	19	27	38	57	75	101	133	184	242	305	383	451	557	665	800	968	1125	1290	1499	1674	1871
	T_{2N}	[kNm]	3.10	5.41	8.20	11.8	16.5	24.6	32.0	43.7	57.0	79.0	104	131	160	194	239	286	343	416	483	555	645	720	805
50	1500	30	10	16	28	37	53	73	106	148	186	248	330	420	502	609	751	932	1080	1260	1520	1743	2026	2262	2529
	1000	20	6.7	11	19	25	35	49	71	99	124	165	220	280	335	406	500	621	720	838	1010	1162	1351	1508	1686
	T_{2N}	[kNm]	3.26	5.10	8.86	11.8	16.8	23.3	33.9	47.0	59.3	79.0	105	134	155	194	239	297	343	400	483	555	645	720	805
56	1500	27	9.1	15	23	33	47	64	95	132	169	215	295	361	452	544	658	833	963	1170	1290	1569	1824	2036	2276
	1000	17.9	6.1	10	15	22	31	43	63	88	113	142	197	241	300	363	439	555	642	778	860	1040	1209	1350	1509
	T_{2N}	[kNm]	3.26	5.41	8.36	11.8	16.8	22.8	33.9	47.0	60.4	76.0	105	129	164	194	235	297	343	416	460	555	645	720	805
63	1500	23.8	7.7	13	20	29	41	61	80	109	142	197	259	327	410	483	570	712	856	1040	1205	1383	1607	1794	2006
	1000	16	5.2	8.7	14	20	28	41	53	73	95	131	173	218	273	322	397	475	571	691	805	930	1081	1206	1349
	T_{2N}	[kNm]	3.10	5.41	8.20	11.8	16.5	24.6	32.0	43.7	57.0	79.0	104	131	160	194	239	286	343	416	483	555	645	720	805
71	1500	21	7	11	18	26	37	51	71	104	126	175	222	295	353	429	529	657	754	885	1070	1220	1418	1583	1770
	1000	14	4.7	7.5	12	17	25	34	47	69	84	117	148	197	235	286	353	438	503	590	713	814	946	1055	1180
	T_{2N}	[kNm]	3.16	5.10	8.20	11.8	16.5	23.3	32.0	47.0	57.0	79.0	101	134	155	194	239	297	343	400	483	555	645	720	805
80	1500	18.8		11		23		45		92		150		252	317		461	583		778	903		1270	1417	1585
	1000	12.5		7.3		15		30		61		100		168	211		307	389		519	602		844	942	1054
	T_{2N}	[kNm]		5.41		11.8		22.8		47.0		76.0		129	161		235	297		400	460		645	720	805
90	1500	16.7		9.4		21		40		76		133		220	287		405	498			804			1259	1408
	1000	11.1		6.3		14		27		51		89		145	191		270	332			535			837	936
	T_{2N}	[kNm]		5.41		11.8		22.8		43.7		76.0		126	164		232	286			460			720	805
100	1500	15		8		18				67					251			444							1264
	1000	10		5.3		12				45					167			296							843
	T_{2N}	[kNm]		5.10		11.8				42.8					160			283							805
112	1500	13.4		7.2											218										
	1000	8.9		4.8											144										
	T_{2N}	[kNm]		5.10											155										

i_N	n_1	n_2	14	16	18	20	22	25	28	31	35	40	42	45	47	50	53	56	60	63	67	71	75	80	85
	[min-1]		**Getriebe-Nennleistung** / Nominal power / Potenza nominale Puissance nominale / Potencia nominal / Potência nominal																			P_N [kW]			
71	1500	21	7.2																			1220			
	1000	14	4.8																			814			
	T_{2N}	[kNm]	3.26																			555			
80	1500	18.8	6.4		17		33		67		116		206			381			674			1093	1270		
	1000	12.5	4.3		11		22		45		77		137			254			450			726	844		
	T_{2N}	[kNm]	3.26		8.86		16.8		33.9		59.3		105			194			343			555	645		
90	1500	16.7	5.4		15		29		59		105		183			338			600	726		971	1128	1259	
	1000	11.1	3.6		10		19		39		70		122			225			400	484		645	750	837	
	T_{2N}	[kNm]	3.10		8.36		16.8		33.9		60.4		105			194			343	416		555	645	720	
100	1500	15	5.1		12.9		26	39	50		90	124	163	206		304	376		539	653	760	872	1013	1131	1264
	1000	10	3.4		8.6		17.3	26	33		60	83	109	137		203	251		360	435	506	581	675	754	843
	T_{2N}	[kNm]	3.26		8.20		16.5	24.6	32.0		57.0	79.0	104	131		194	239		343	416	483	555	645	720	805
112	1500	13.4	4.6	7.6	12	17	24	33	48	66	83	111	147	187		272	335	416	482	561	677	779	905	1010	1130
	1000	8.9	3.1	5.1	8	11	16	22	32	44	55	74	98	125		181	223	277	321	374	451	517	601	671	750
	T_{2N}	[kNm]	3.26	5.41	8.86	11.8	16.8	23.3	33.9	47.0	59.3	79.0	105	134		194	239	297	343	400	483	555	645	720	805
125	1500	12	3.9	6.8	11	15	21	29	43	59	76	96	132	162	203	244	295	373	432	523	578	697	810	905	1012
	1000	8	2.5	4.5	7.3	10	14	19	29	39	51	64	88	108	135	163	197	249	288	349	385	465	540	603	674
	T_{2N}	[kNm]	3.10	5.41	8.36	11.8	16.8	22.8	33.9	47.0	60.4	76.0	105	129	161	194	235	297	343	416	460	555	645	720	805
140	1500	10.7	3.7	5.7	9.5	13.2	18.5	28	36	49	64	89	117	147	184	217	267	320	385	467	542	622	723	807	902
	1000	7.1	2.5	3.8	6.1	8.8	12.3	19	24	33	42	59	78	98	123	145	179	213	257	311	361	413	480	535	598
	T_{2N}	[kNm]	3.26	5.10	8.20	11.8	16.5	24.6	32.0	43.7	57.0	79.0	104	131	164	194	239	286	343	416	483	555	645	720	805
160	1500	9.4	3.2	5.3	8.7	12	17	23	33	46	58	78	103	131	157	190	235	291	337	393	474	546	635	709	792
	1000	6.3	2.1	3.5	5.8	8	11	15	22	31	39	52	69	87	105	127	157	194	225	262	316	366	425	475	531
	T_{2N}	[kNm]	3.26	5.41	8.86	11.8	16.8	23.3	33.9	47.0	59.3	79.0	105	134	160	194	239	297	343	400	483	555	645	720	805
180	1500	8.33	2.7	4.7	7.3	10	15	19	30	41	53	66	92	112	141	169	205	259	300	363	401	484	563	628	702
	1000	5.55	1.8	3.1	4.9	6.7	10	13	20	27	35	44	61	75	94	113	137	173	200	242	267	323	375	418	468
	T_{2N}	[kNm]	3.10	5.41	8.36	11.8	16.8	22.8	33.9	47.0	60.4	76.0	105	129	161	194	235	297	343	416	460	555	645	720	805
200	1500	7.5	2.6	4	6.4	9.3	13	20	25	34	45	62	82	103	129	152	188	224	270	327	380	436	507	565	632
	1000	5	1.7	2.7	4.3	6.2	8.6	13	17	23	30	41	55	69	86	101	125	149	180	218	253	291	338	377	421
	T_{2N}	[kNm]	3.26	5.10	8.20	11.8	16.5	24.6	32.0	43.7	57.0	79.0	104	131	164	194	239	286	343	416	483	555	645	720	805
224	1500	6.7	2.3	3.8	6.2	8.3	12	16	24	33	42	55	74	94	112	136	167	208	241	281	340	389	453	505	565
	1000	4.46	1.5	2.5	4.1	5.5	8	11	16	22	28	37	49	63	75	91	112	139	161	187	226	259	301	336	376
	T_{2N}	[kNm]	3.26	5.41	8.86	11.8	16.8	23.3	33.9	47.0	59.3	79.0	105	134	160	194	239	297	343	400	483	555	645	720	805
250	1500	6	1.9	3.4	5.3	7.4	11	14	21	30	38	48	66	81	101	122	147	186	216	261	290	349	405	452	506
	1000	4	1.3	2.3	3.5	4.9	7.3	9.5	14	20	25	32	44	54	67	81	98	124	144	174	193	232	270	302	337
	T_{2N}	[kNm]	3.10	5.41	8.36	11.8	16.8	22.8	33.9	47.0	60.4	76.0	105	129	161	194	235	297	343	416	460	555	645	720	805
280	1500	5.36	1.8	2.9	4.6	6.6	9.2	14	18	25	32	44	58	74	92	109	134	160	193	233	271	311	362	404	452
	1000	3.57	1.2	1.9	3	4.4	6.1	9.3	12	17	21	29	39	49	61	73	89	107	129	155	181	207	241	269	301
	T_{2N}	[kNm]	3.16	5.10	8.20	11.8	16.5	24.6	32.0	43.7	57.0	79.0	104	131	164	194	239	286	343	416	483	555	645	720	805
315	1500	4.76		2.7	4.1	5.9	8.2	12	16	23	28	39	50	67	80	97	119	148	171	200	241		321	359	401
	1000	3.17		1.8	2.7	3.9	5.5	8	11	15	19	26	33	45	53	65	79	99	114	133	161		214	239	267
	T_{2N}	[kNm]		5.41	8.20	11.8	16.5	23.3	32.0	47.0	57.0	79.0	101	134	160	194	239	297	343	400	483		645	720	805
355	1500	4.22		2.4		5.2		10		21		34		57	71		104	131		177	204			318	356
	1000	2.82		1.6		3.5		6.7		14		22		38	47		69	87		118	136			213	238
	T_{2N}	[kNm]		5.41		11.8		22.8		47.0		76.0		129	161		235	297		400	460			720	805
400	1500	3.75		2		4.6		9		17		30		50	65		91	112			181				316
	1000	2.5		1.3		3.1		6		11		20		33	43		61	75			120				211
	T_{2N}	[kNm]		5.10		11.8		22.8		43.7		76.0		126	164		232	286			460				805
450	1500	3.35		1.8		4.1				15					56			99							
	1000	2.22		1.2		2.7				10					37			66							
	T_{2N}	[kNm]		5.10		11.8				42.8					160			283							
500	1500	3													49										
	1000	2													32										
	T_{2N}	[kNm]													155										

PLD

v_w [m/s]	n_1 [min-1]	14	16	18	20	22	25	28	31	35	40	42	45	47	50	53	56	60	63	67	71... 85
		PLD .. -R1																			
		P_{to} [kW]																			
0.5 1)	–	12	16	20	26	31	37	44	53	67	76	86	104	126	126	165	202	209	238	269	4)
1.2 2)	–	17	22	28	36	43	52	61	74	93	106	120	144	175	175	229	280	290	331	374	
4.0 3)	–	22	28	36	45	55	66	79	94	119	136	154	184	224	224	293	358	371	424	479	
		P_{t3} [kW]																			
0.5 1)	–	34	65	45	93	80	166	139	231	195	350	291	378	400	506	657	694	701	730	761	4)
1.2 2)	–	39	71	53	103	92	180	156	251	221	380	325	418	449	555	721	772	782	823	866	
4.0 3)	–	44	78	61	113	104	194	173	272	247	410	359	458	498	604	785	850	863	916	971	

i_N	n_1	n_2	PWC 14	16	18	20	22	25	28	31	35	40	42	45	47	50	53	56	60	63	67	71...85
	[min-1]																		P_N [kW]			
25	1500	60	20		56		106		213		372		660			1220			2160			
	1000	40	13		37		71		142		248		440			812			1440			
	T_{2N}	[kNm]	3.26		8.86		16.8		33.9		59.3		105			194			343			
28	1500	54	18		47		94		190		339		589			1090			1930	2330		
	1000	35.5	12		31		63		127		226		393			725			1285	1560		
	T_{2N}	[kNm]	3.26		8.86		16.8		33.9		60.4		105			194			343	416		
31.5	1500	47.5	15.4		41		82	123	160		283	394	519	653		966	1190		1710	2075	2410	
	1000	31.5	10		27		54	82	107		188	263	346	435		644	795		1140	1385	1610	
	T_{2N}	[kNm]	3.10		8.2		16.5	24.6	32.0		57.0	79	104	131		194	239		343	416	483	
35.5	1500	42.5	14		39	52	74	103	150	208	262	350	465	591		858	1060	1315	1520	1770	2140	
	1000	28	9.3		26	35	49	69	100	139	175	233	310	394		572	705	875	1015	1180	1425	
	T_{2N}	[kNm]	3.26		8.86	11.8	16.8	23.3	33.9	47.0	59.3	79	105	134		194	239	297	343	400	483	
40	1500	37.5	13	21	33	46	66	89	133	185	237	298	413	505	633	761	921	1170	1350	1635	1810	
	1000	25	8.7	14	22	31	44	60	89	123	158	199	275	337	422	507	614	777	900	1090	1200	
	T_{2N}	[kNm]	3.26	5.41	8.36	11.8	16.8	22.8	33.9	47.0	60.4	76	105	129	161	194	235	297	343	416	460	
45	1500	33.5	11	19	29	41	58	86	112	152	200	276	363	457	574	677	835	1000	1200	1450	1690	
	1000	22.2	7.2	13	19	27	38	57	75	101	133	184	242	305	383	451	557	665	800	968	1125	
	T_{2N}	[kNm]	3.10	5.41	8.2	11.8	16.5	24.6	32.0	43.7	57.0	79	104	131	164	194	239	286	343	416	483	
50	1500	30	10	16	28	37	53	73	106	148	186	248	330	420	502	609	751	932	1080	1260	1520	
	1000	20	6.7	11	19	25	35	49	71	99	124	165	220	280	335	406	501	621	719	838	1010	
	T_{2N}	[kNm]	3.26	5.1	8.86	11.8	16.8	23.3	33.9	47.0	59.3	79	105	134	160	194	239	297	343	400	483	
56	1500	27	9.1	15	23	33	47	64	95	132	169	215	295	361	452	544	658	833	963	1170	1290	
	1000	17.9	6.1	10	15	22	31	43	63	88	113	142	197	241	301	363	439	555	642	778	860	
	T_{2N}	[kNm]	3.26	5.41	8.36	11.8	16.8	22.8	33.9	47.0	60.4	76	105	129	161	194	235	297	343	416	460	
63	1500	23.8	7.7	13	20	29	41	61	80	109	142	197	259	327	410	483	596	712	856	1040	1205	
	1000	16	5.2	8.7	14	20	28	41	53	73	95	131	173	218	273	322	397	475	571	691	803	
	T_{2N}	[kNm]	3.10	5.41	8.2	11.8	16.5	24.6	32.0	43.7	57.0	79	104	131	164	194	239	286	343	416	483	
71	1500	21	7.0	11	18	26	37	51	71	104	126	175	222	295	353	429	529	657	754	885	1070	
	1000	14	4.7	7.5	12	17	25	34	47	69	84	117	148	197	235	286	353	438	503	590	713	
	T_{2N}	[kNm]	3.16	5.1	8.2	11.8	16.5	23.3	32.0	47.0	57.0	79	101	134	160	194	239	297	343	400	483	
80	1500	18.8		11		23		45		92		150		252	317		461	583		788	903	
	1000	12.5		7.3		15		29		61		99		168	211		307	389		524	602	
	T_{2N}	[kNm]		5.41		11.8		22.8		47.0		76		129	161		235	297		400	460	
90	1500	16.7		9.4		21		40		76		133		220	287		405	498			804	
	1000	11.1		6.3		14		27		51		89		146	191		270	332			535	
	T_{2N}	[kNm]		5.41		11.8		22.8		43.7		76		126	164		232	286			460	
100	1500	15		8.0		19				67					251			444				
	1000	10		5.3		12				45					167			296				
	T_{2N}	[kNm]		5.1		11.8				42.8					160			283				
112	1500	13.4		7.2											218							
	1000	8.9		4.8											144							
	T_{2N}	[kNm]		5.1											155							

PWC

PWC .. -R1																					
v_w [m/s]	n_1 [min^{-1}]	14	16	18	20	22	25	28	31	35 5)	40 5)	42 5)	45 5)	47 5)	50 5)	53 5)	56 5)	60 5)	63 5)	67 5)	71...85
		Pto [kW]																			
0.5 1)	–	15	20	25	32	39	47	55	66	95	109	123	148	180	180	212	259	268	306	346	**4)**
1.2 2)	–	21	28	35	44	54	65	77	92	132	151	171	206	250	250	295	360	372	425	480	
4.0 3)	–	27	35	45	56	69	83	99	118	169	193	219	264	320	320	378	461	476	544	614	
		P_{t1} [kW]																			
–	1500	41	54	68	86	105	126	149	179	257	294	333	401	485	485	574	700	**4)**			
–	1000	30	40	51	64	78	94	111	133	191	218	247	298	360	360	425	520				
		P_{t3} [kW]																			
0.5 1)	–	43	82	57	116	123	207	174	288	278	500	415	539	571	669	845	892	901	939	979	**4)**
1.2 2)	–	49	89	67	128	138	225	195	314	315	542	463	597	641	739	928	993	1005	1058	1113	
4.0 3)	–	55	97	76	141	153	243	216	340	352	584	511	655	711	809	1011	1094	1109	1177	1247	
		P_{t4} [kW]																			
–	1500	69	116	100	170	189	286	267	401	440	686	626	793	877	974	1207	1333	**4)**			
–	1000	58	102	83	148	162	254	229	355	374	610	540	690	752	849	1058	1153				
5) P_{to}. P_{t3}																					
0.5 1)									**i_N**	25	31.5	28	31.5	40	31.5	31.5	35.5	35.5	35.5	35.5	

i_N	n_1	n_2	PWD 14	16	18	20	22	25	28	31	35	40	42	45	47	50	53	56	60	63	67	71...85
	[min-1]		P_N [kW]																			
71	1500	21	7.2																			
	1000	14	4.8																			
	T_{2N} [kNm]		3.26																			
80	1500	18.8	6.4		17		33		67		116		206			381			674			
	1000	12.5	4.3		11		22		46		77		137			254			450			
	T_{2N} [kNm]		3.26		8.86		16.8		33.9		59.3		105			194			343			
90	1500	16.7	5.4		15		20		59		105		183			338			600	726		
	1000	11.1	3.6		10		19		39		70		122			225			400	484		
	T_{2N} [kNm]		3.1		8.36		16.8		33.9		60.4		105			194			343	416		
100	1500	15	5.1		12.9		26	39	50		90	124	163	206		304	376		539	653	760	
	1000	10	3.4		8.6		17.3	26	33		60	83	109	137		203	251		360	435	506	
	T_{2N} [kNm]		3.26		8.2		16.5	24.6	32.0		57.0	79.0	104	131		194	239		343	416	483	
112	1500	13.4	4.6	7.6	12	17	24	33	48	66	83	111	147	187		272	335	416	482	561	677	
	1000	8.9	3.1	5.1	8.0	11	16	22	32	44	55	74	98	125		181	223	277	321	374	451	
	T_{2N} [kNm]		3.26	5.41	8.86	11.8	16.8	23.3	33.9	47.0	59.3	79.0	105	134		194	239	297	343	400	483	
125	1500	12	3.9	6.8	11	15	21	29	43	59	76	96	132	162	203	244	295	373	432	523	578	
	1000	8.0	2.5	4.5	7.3	10	14	19	29	39	51	64	88	108	135	163	197	249	288	349	385	
	T_{2N} [kNm]		3.1	5.41	8.36	11.8	16.8	22.8	33.9	47.0	60.4	76.0	105	129	161	194	235	297	343	416	460	
140	1500	10.7	3.7	5.7	9.5	13.2	18.5	28	36	49	64	89	117	147	184	217	267	320	385	467	542	
	1000	7.1	2.5	3.8	6.1	8.8	12.3	19	24	33	42	59	78	98	123	145	179	213	257	311	361	
	T_{2N} [kNm]		3.26	5.1	8.2	11.8	16.5	24.6	32.0	43.7	57.0	79.0	104	131	164	194	239	286	343	416	483	
160	1500	9.4	3.2	5.3	8.7	12	17	23	33	46	58	78	103	131	157	190	235	291	337	393	474	
	1000	6.3	2.1	3.5	5.8	8.0	11	15	22	31	39	52	69	87	105	127	157	194	225	262	316	
	T_{2N} [kNm]		3.26	5.41	8.86	11.8	16.8	23.3	33.9	47.0	59.3	79.0	105	134	160	194	239	297	343	400	483	
180	1500	8.33	2.7	4.7	7.3	10	15	19	30	41	53	66	92	112	141	169	205	259	300	363	401	
	1000	5.55	1.8	3.1	4.9	6.7	10	13	20	27	35	44	61	75	94	113	137	173	200	242	267	
	T_{2N} [kNm]		3.1	5.41	8.36	11.8	16.8	22.8	33.9	47.0	60.4	76.0	105	129	161	194	235	297	343	416	460	
200	1500	7.5	2.6	4.0	6.4	9.3	13	20	25	34	45	62	82	103	129	152	188	224	270	327	380	
	1000	5.0	1.7	2.7	4.3	6.2	8.6	13	17	23	30	41	55	69	86	101	125	149	180	218	253	
	T_{2N} [kNm]		3.26	5.1	8.2	11.8	16.5	24.6	32.0	43.7	57.0	79.0	104	131	164	194	239	286	343	416	483	
224	1500	6.7	2.3	3.8	6.2	8.3	12	16	24	33	42	55	74	94	112	136	167	208	241	281	340	
	1000	4.46	1.5	2.5	4.1	5.5	8.0	11	16	22	28	37	49	63	75	91	112	139	161	187	226	
	T_{2N} [kNm]		3.26	5.41	8.86	11.8	16.8	23.3	33.9	47.0	59.3	79.0	105	134	160	194	239	297	343	400	483	
250	1500	6.0	1.9	3.4	5.3	7.4	11	14	21	30	38	48	66	81	101	122	147	186	216	261	290	
	1000	4.0	1.3	2.3	3.5	4.9	7.3	9.5	14	20	25	32	44	54	67	81	98	124	144	174	193	
	T_{2N} [kNm]		3.1	5.41	8.36	11.8	16.8	22.8	33.9	47.0	60.4	76.0	105	129	161	194	235	297	343	416	460	
280	1500	5.36	1.8	2.9	4.6	6.6	9.2	14	18	25	32	44	58	74	92	109	134	160	193	233	271	
	1000	3.57	1.2	1.9	3.0	4.4	6.1	9.3	12	17	21	29	39	49	61	73	89	107	129	155	181	
	T_{2N} [kNm]		3.16	5.1	8.2	11.8	16.5	24.6	32.0	43.7	57.0	79.0	104	131	164	194	239	286	343	416	483	
315	1500	4.76		2.7	4.1	5.9	8.2	12	16	23	28	39	50	67	80	97	119	148	171	200	241	
	1000	3.17		1.8	2.7	3.9	5.5	8.0	11	15	19	26	33	45	53	65	79	99	114	133	161	
	T_{2N} [kNm]			5.41	8.2	11.8	16.5	23.3	32.0	47.0	57.0	79.0	101	134	160	194	239	297	343	400	483	
355	1500	4.22		2.4		5.2		10		21		34		57	71		104	131		177	204	
	1000	2.82		1.6		3.5		6.7		14		22		38	47		68	87		118	136	
	T_{2N} [kNm]			5.41		11.8		22.8		47.0		76.0		129	161		235	297		400	460	
400	1500	3.75		2.0		4.6		9.0		17		30		50	65		91	112			181	
	1000	2.5		1.3		3.1		6.0		11		20		33	43		61	75			120	
	T_{2N} [kNm]			5.1		11.8		22.8		43.7		76.0		126	164		232	286			460	
450	1500	3.35		1.8		4.1				15					56			99				
	1000	2.22		1.2		2.7				10					37			66				
	T_{2N} [kNm]			5.1		11.8				42.8					160			283				
500	1500	3.0													49							
	1000	2.0													32							
	T_{2N} [kNm]														155							

v_w [m/s]	n_1 [min-1]	PWD .. -R1 14	16	18	20	22	25	28	31	35	40	42	45	47	50	53	56	60	63	67	71...85
		P_{to} [kW]																			
v_w = 0.5 m/s 1)	–	12	16	20	26	31	37	44	53	67	76	86	104	126	126	165	202	209	238	269	
v_w = 1.2 m/s 2)	–	17	22	28	36	43	52	61	74	93	106	120	144	175	175	229	280	290	331	374	4)
v_w = 4.0 m/s 3)	–	22	28	36	45	55	66	79	94	119	136	154	184	224	224	293	358	371	424	479	
		P_{t3} [kW]																			
v_w = 0.5 m/s 1)	–	34	65	45	93	80	166	139	231	195	350	291	378	400	506	657	694	701	730	761	
v_w = 1.2 m/s 2)	–	39	71	53	103	92	180	156	251	221	380	325	418	449	555	721	772	782	823	866	4)
v_w = 4.0 m/s 3)	–	44	78	61	113	104	194	173	272	247	410	359	458	498	604	785	850	863	916	971	

i_N	PB							
	10	12	16	20	25	31	40	45
1.25	1.25	1.26	1.26	1.26	1.27	1.25	1.25	1.25
1.4	1.40	1.41	1.41	1.41	1.43	1.40	1.40	1.40
1.6	1.57	1.59	1.59	1.59	1.62	1.57	1.57	1.57
1.8	1.77	1.80	1.80	1.80	1.83	1.77	1.77	1.77
2	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
2.24	2.27	2.29	2.29	2.29	2.29	2.27	2.27	2.27
2.5	2.48	2.50	2.50	2.50	2.45	2.48	2.48	2.48
2.8	2.79	2.83	2.83	2.83	2.78	2.79	2.79	2.79
3.15	3.18	3.12	3.12	3.12	3.19	3.18	3.18	3.18
3.55	3.50	3.60	3.60	3.60	3.47	3.50	3.50	3.50
4	4.07	4.00	4.00	4.00	4.08	4.07	4.07	4.07
4.5	4.54	4.46	4.46	4.46	4.58	4.54	4.54	4.54
5	5.07	5.06	5.00	5.07	5.07	4.94	5.00	5.07
5.6	5.57	5.60	5.50	5.69	5.69	5.63	5.50	5.69

i_N	PC																						
	14	16	18	20	22	25	28	31	35	40	42	45	47	50	53	56	60	63	67	71	75	80	85
4	3.98		4.00		3.95		4.03		3.97		3.92			3.91			3.92						
4.5	4.46		4.49		4.44		4.52		4.48		4.39			4.8	4.69		4.39	4.58					
5	5.01		5.06		5.01		5.10		5.06	5.24	4.92	4.83		4.91	5.25		4.92	5.13	5.25				
5.6	5.64		5.72	5.77	5.66	5.39	5.76	5.45	5.74	5.90	5.54	5.41		5.53	5.89	5.70	5.54	5.76	5.88				
6.3	6.38	6.48	6.35	6.49	6.29	6.06	6.40	6.13	6.27	6.68	6.27	6.08	6.00	6.25	6.63	6.39	6.27	6.49	6.60				
7.1	7.24	7.26	7.26	7.31	7.18	6.83	7.31	6.90	7.16	7.58	7.12	6.84	6.72	7.10	7.50	7.17	7.12	7.33	7.43				
8	7.89	8.15	7.94	8.26	7.86	7.71	8.00	7.80	7.68	8.27	7.76	7.73	7.54	7.74	8.52	8.07	7.76	6.33	8.40				
9	8.89	9.18	9.00	9.18	8.91	8.57	9.07	8.67	8.70	9.45	8.74	8.79	8.49	8.72	9.29	9.13	8.7	9.08	9.55				
10	10.1	10.4	9.90	10.5	9.80	9.80	10.0	9.90	10.0	10.1	10.0	9.58	9.60	9.93	10.5	10.4	10.0	10.2	10.4				
11.2	11.2	11.8	11.4	11.5	11.3	10.7	11.5	10.8	10.9	11.5	11.0	10.8	10.9	10.9	11.9	11.3	11.0	11.6	11.7				
12.5	13.0	12.9	12.7	13.0	12.6	12.1	12.8	12.3	12.8	13.2	12.8	12.3	11.9	12.7	13.1	12.7	12.8	12.8	13.3				
14	14.5	14.5	14.2	14.3	14.0	13.4	14.3	13.5	14.4	14.3	14.2	13.5	13.4	14.2	15.3	14.5	14.2	14.9	14.7				
16	16.2	16.5	16.1	16.5	15.7	15.4	16.2	15.6	15.9	16.9	15.5	15.7	15.3	15.6	17.0	16.0	15.9	16.6	17.1				
18	17.8	18.2	17.8	18.4	17.3	17.1	18.2	17.3	17.8	18.9	17.6	17.6	16.8	17.2	18.8	18.6	17.8	18.6	19.1				
20		21.1		20.5		19.1		19.3		21.0		19.1	19.5		20.6	20.7		20.9	21.3				
22.4		23.5		23.2		21.4		22.0		23.5		21.8	21.8			22.8			23.9				
25		26.3		25.7		23.6		24.7					23.7			25.1							
28		28.9											27.0										

PD, PE

i_N	PD																						
	14	16	18	20	22	25	28	31	35	40	42	45	47	50	53	56	60	63	67	71	75	80	85
16			15.9				16.1		16.1		16.1			16.1			16.0						
18			17.7				18.0		18.1		17.9			18.0			17.8	18.7					
20	20.8		20.1		19.6		20.4		20.0	21.2	19.5	19.8		19.8	19.3		19.9	20.8	21.4				
22.4	23.2		22.5	22.9	21.9		23.0	21.8	23.0	23.8	23.0	22.1		23.3	21.6	23.5	22.6	23.2	23.8				
25	25.8		25.1	25.6	24.5	26.7	25.7	24.3	25.9	26.4	25.6	24.1	24.6	26.0	23.8	26.2	25.2	26.4	26.6				
28	28.4		28.5	29.0	27.0	29.8	29.2	27.7	28.6	30.3	27.9	28.3	27.4	28.7	28.0	28.9	28.1	29.4	30.3				
31.5	32.1	33.8	31.5	32.5	31.4	33.4	32.8	31.2	32.1	34.1	31.7	31.6	29.9	31.5	31.2	34.1	31.6	32.9	33.7				
35.5	35.8	37.7	35.1	36.2	35.1	36.8	35.7	34.8	35.9	37.7	35.6	34.4	35.2	34.8	34.4	38.0	35.2	36.9	37.7				
40	40.0	42.1	39.8	41.1	39.3	42.9	40.6	39.6	39.7	42.4	38.7	39.2	39.2	38.3	37.8	41.8	39.4	41.2	42.3				
45	43.9	46.2	44.0	45.5	43.2	47.8	45.5	44.4	44.6	47.4	44.1	43.9	42.7	42.1	41.7	46.0	44.2	46.1	47.2				
50	51.9	52.3	51.7	50.7	49.3	53.6	51.2	48.3	51.1	52.4	51.0	47.8	48.6	51.9	45.9	50.7	51.9	51.7	52.7				
56	57.9	58.2	57.7	57.5	55.0	58.9	57.1	54.9	57.4	58.8	56.9	54.4	54.5	57.8	50.5	55.9	57.9	60.8	59.2				
63	64.6	65.0	65.5	63.6	61.7	67.3	64.9	61.7	63.6	67.4	62.0	63.0	59.3	63.7	62.3	61.5	64.7	67.8	69.6				
71	71.0	71.5	72.4	74.7	67.8	75.0	72.9	69.3	71.3	75.8	70.5	70.2	67.5	70.1	69.4	75.7	72.6	75.7	77.6				
80		84.5	79.0	83.3		84.1	80.0	77.3	79.0	83.9	80.9	76.5	78.2	80.7	76.4	84.4	80.0	85.0	86.7				
90		94.2	89.6	94.6		92.5	90.9	87.9	87.4	94.1	88.2	87.0	87.1	88.9	84.1	93.0	89.4	93.6	97.3				
100		105	99.1	105			102	98.7	98.1	104	100	99.9	94.9	97.8	96.9	102	100	105	107				
112		116		114				108		115		109	108		107	118		117	120				
125				129				123		129		124	124		117	130			135				
140				143				138					135			143							
160													154										

i_N	PE																						
			18	20	22	25	28	31	35	40	42	45	47	50	53	56	60	63	67	71	75	80	85
71					67.6		72.6		72.8		71.6			73.4			72.8						
80					75.4		81.0		81.8		79.8			81.8			81.2	85.2					
90			93.3		84.6	92.2	92.1		90.6		87.0	88.4		90.1	88.0		90.7	95.0					
100			104		95.7	103	103	98.3	104	96.0	102	98.5		105	98.1	107	104	106	97.6				
112			118		107	115	115	110	117	108	114	107	110	117	108	119	116	122	109				
125			131	135	120	131	130	125	130	119	124	126	122	129	126	132	130	136	122				
140			144	150	132	146	146	139	145	137	142	141	133	142	140	153	146	152	140				
160			161	171	150	163	160	155	163	155	158	154	157	163	155	171	161	171	156				
180			183	189	168	180	182	176	180	171	173	175	175	179	170	188	180	189	174				
200			202	208	184	204	205	198	202	192	197	196	191	197	195	207	202	211	195				
224			233	232	220	228	237	217	231	215	228	213	217	233	215	237	232	237	216				
250			260	264	246	251	264	247	260	237	254	243	243	260	236	261	258	271	242				
280			295	292	275	300	300	277	288	266	277	281	265	286	280	288	288	302	271				
315			327	337	303	335	337	320	323	305	315	313	301	315	312	341	324	338	310				
355				376	336	376	361	357	364	343	355	341	349	358	344	380	367	379	346				
400				426	377	413	410	406	403	380	387	388	389	394	378	418	411	430	387				
450				472	415	459	461	456	452	426	440	438	424	433	429	460	461	480	434				
500						514		489		481		478	482		473	522		539	492				
560						565		556		532		543	544		520	575			550				
630								624		597			593			633			618				
710													675										

i_N	PLB							
	10	12	16	20	25	31	40	45
5.6	5.67	5.57	5.57	5.57	5.68	5.67	5.67	5.67
6.3	6.32	6.21	6.21	6.21	6.38	6.32	6.32	6.32
7.1	7.06	7.05	6.96	7.06	7.06	6.89	6.96	7.06
8	8.14	8.0	8.0	8.0	8.15	8.14	8.14	8.14
9	9.08	8.92	8.92	8.92	9.17	9.08	9.08	9.08
10	10.1	10.1	10	10.1	10.1	9.89	10.0	10.1
11.2	11.3	11.1	11.1	11.1	11.4	11.3	11.3	11.3
12.5	12.6	12.4	12.4	12.4	12.8	12.6	12.6	12.6
14	14.1	14.1	13.9	14.1	14.1	13.8	13.9	14.1
16	16.3	16.0	16.0	16.0	16.3	16.3	16.3	16.3
18	18.2	17.9	17.9	17.9	18.3	18.2	18.2	18.2
20	20.3	20.3	20	20.3	20.3	19.8	20.0	20.3
22.4	22.3	22.4	22.0	22.8	22.8	22.5	22.0	22.8

i_N	PLC																						
	14	16	18	20	22	25	28	31	35	40	42	45	47	50	53	56	60	63	67	71	75	80	85
18	18.1		17.7		17.5		17.8		17.8		17.8			17.7			17.8						
20	20.2		19.7		19.5		19.9		20.0		19.8			19.8			19.8	20.8					
22.4	22.5		22.4		21.9	23.9	22.6		22.1	23.5	21.6	21.9		21.8	21.3		22.1	23.2	23.8				
25	26.0		25.4	25.6	25.1	26.6	25.6	24.1	25.6	26.4	25.5	24.4		25.5	23.7	25.9	25.5	25.9	26.6				
28	28.9	29.4	28.3	28.5	28.0	29.9	28.6	26.9	28.7	29.2	28.4	26.6	27.2	28.4	26.1	28.8	28.4	29.9	29.7				
31.5	32.3	32.8	32.2	32.4	31.4	34.3	32.5	30.6	31.8	33.7	31.0	31.5	30.3	31.3	30.5	31.8	31.8	33.3	34.2				
35.5	36.2	36.6	35.4	36.7	35.0	38.2	35.7	34.7	35.6	37.9	35.5	35.1	33.1	35.4	34.0	37.2	35.5	37.2	38.1				
40	40.3	42.2	39.5	40.9	39.1	42.9	39.8	38.7	40.0	41.9	39.6	38.2	39.1	39.5	37.5	41.4	39.6	41.6	42.6				
45	45.0	47.1	44.8	46.5	43.8	47.8	45.2	44.0	44.3	46.9	43.2	43.9	43.6	43.5	42.5	45.6	44.3	46.4	47.6				
50	51.9	52.6	50.8	51.1	50.3	53.3	51.2	48.3	51.1	52.8	51.0	48.9	47.5	50.9	47.4	51.8	51.0	51.8	53.1				
56	57.9	58.8	56.7	57.0	56.1	59.7	57.1	53.9	57.4	58.4	56.9	53.3	54.4	56.7	52.2	57.7	56.9	59.7	59.3				
63	64.6	65.6	64.3	64.7	62.9	68.6	64.9	61.2	63.6	67.4	62.0	63.0	60.7	62.5	61.1	63.6	63.6	66.6	68.4				
71	71.0	73.2	71.2	73.4	69.1	76.5	72.9	69.3	71.3	75.8	70.5	70.2	65.7	68.8	68.1	74.3	71.3	74.4	76.3				
80		84.5		81.9		85.7		77.3		83.9		76.5	78.2		75.0	82.8		83.5	85.2				
90		94.2		92.9		94.3		87.9		94.1		87.0	87.1		82.5	91.3			95.6				
100		105		103				98.7					94.9			100							
112		116											108										

PLD, PWC

i_N	PLD																						
	14	16	18	20	22	25	28	31	35	40	42	45	47	50	53	56	60	63	67	71	75	80	85
71	72.3																						
80	80.6		81.2		75.4		80.8		80.6		79.3			81.2			80.6						
90	90.0		90.6		84.1		90.2		90.6		88.4			90.5			89.9	94.4					
100	104		103		94.3	103	103		100	106	96.3	97.8		99.8	97.5		100	105	108				
112	116	118	117	117	108	115	116	109	116	120	114	109		117	109	119	116	118	120				
125	129	131	130	131	121	129	129	122	130	132	127	119	121	130	120	132	129	136	135				
140	145	146	148	148	135	148	147	139	144	153	138	141	135	143	140	146	144	151	155				
160	161	169	162	168	151	165	162	157	161	172	159	157	148	162	156	170	161	169	173				
180	180	188	181	188	168	185	180	175	181	190	177	171	174	181	172	190	180	189	193				
200	208	210	206	213	189	206	205	199	201	213	193	196	194	200	195	209	201	210	216				
224	232	235	233	235	217	230	232	219	231	239	228	218	212	233	217	237	232	235	241				
250	258	262	260	262	242	257	259	244	260	265	254	238	243	260	239	264	258	271	269				
280	284	293	295	297	271	295	294	278	288	305	277	281	271	286	280	291	288	302	310				
315		338	327	337	298	330	330	314	323	343	315	313	295	315	312	341	324	338	346				
355		377		376		369		351		380		341	349		344	380		379	387				
400		421		426		406		399		426		388	389		378	418			434				
450		462		472				447					424			460							
500													482										

i_N	PWC																						
	14	16	18	20	22	25	28	31	35	40	42	45	47	50	53	56	60	63	67	71	75	80	85
25	26.0		25.4		25.1		25.6		25.6		25.5			25.5			25.5						
28	28.9		28.3		28.0		28.6		28.7		28.4			28.4			28.4	29.9					
31.5	32.3		32.2		31.4	34.3	32.5		31.8	33.7	31.0	31.5		31.3	30.5		31.8	33.3	34.2				
35.5	36.2		35.4	36.7	35.0	38.2	35.7	34.7	35.6	37.9	35.5	35.1		35.4	34.0	37.2	35.5	37.2	38.1				
40	40.3	42.2	39.5	40.9	39.1	42.9	39.8	38.7	40.0	41.9	39.6	38.2	39.1	39.5	37.5	41.4	39.6	41.6	42.6				
45	45.0	47.1	44.8	46.5	43.8	47.8	45.2	44.0	44.3	46.9	43.2	43.9	43.6	43.5	42.5	45.6	44.3	46.6	47.6				
50	51.9	52.6	50.8	51.1	50.3	53.3	51.2	48.3	51.1	52.8	51.0	48.9	47.5	50.9	47.4	51.8	51.0	51.8	53.1				
56	57.9	58.8	56.7	57.0	56.1	59.7	57.1	53.9	57.4	58.4	56.9	53.3	54.4	56.7	52.2	57.7	56.9	59.7	59.3				
63	64.6	65.6	64.3	64.7	62.9	68.6	64.9	61.2	63.6	67.4	62.0	63.0	60.7	62.5	61.1	63.6	63.6	66.6	68.4				
71	71.0	73.2	71.2	73.4	69.1	76.5	72.9	69.3	71.3	75.8	70.5	70.2	65.7	68.8	68.1	74.3	71.3	74.4	76.3				
80		84.5		81.9		85.7		77.3		83.9		76.5	78.2		75.0	82.8		83.5	85.2				
90		94.2		92.9		94.3		87.9		94.1		87.0	87.1		82.5	91.3			95.6				
100		105		103				98.7					94.9			100							
112		116											108										

PWD

i_N	PWD																							
	14	16	18	20	22	25	28	31	35	40	42	45	47	50	53	56	60	63	67	71	75	80	85
71	72.3																						
80	80.6		81.2		75.4		80.8		80.6		79.3			81.2			80.6						
90	90.0		90.6		84.1		90.2		90.6		88.4			90.5			89.9	94.4					
100	104		103		94.3	103	103		100	106	96.3	97.8		99.8	97.5		100	105	108				
112	116	118	117	117	108	115	116	109	116	120	114	109		117	109	119	116	118	120				
125	129	131	130	131	121	129	129	122	130	132	127	119	121	130	120	132	129	136	135				
140	145	146	148	148	135	148	147	139	144	153	138	141	135	143	140	146	144	151	155				
160	161	169	162	168	151	165	162	157	161	172	159	157	148	162	156	170	161	169	173				
180	180	188	181	188	168	185	180	175	181	190	177	171	174	181	172	190	180	189	193				
200	208	210	206	213	189	206	205	199	201	213	193	196	194	200	195	209	201	210	216				
224	232	235	233	235	217	230	232	219	231	239	228	218	212	233	217	237	232	235	241				
250	258	262	260	262	242	257	259	244	260	265	254	238	243	260	239	264	258	271	269				
280	284	293	295	297	271	295	294	278	288	305	277	281	271	286	280	291	288	302	310				
315		338	327	337	298	330	330	314	323	343	315	313	295	315	312	341	324	338	346				
355		377		376		369		351		380		341	349		344	380		379	387				
400		421		426		406		399		426		388	389		378	418			434				
450		462		472				447					424			460							
500													482										

PB, PC, PD

i_N	PB							
	10	12	16	20	25	31	40	45
1.25	0.0052	0.0232	0.0844	0.2273	0.6569	1.6783	-	-
1.4	0.0047	0.0206	0.0750	0.2016	0.5811	1.4984	-	-
1.6	0.0041	0.0182	0.0667	0.1787	0.5140	1.3379	-	-
1.8	0.0037	0.0162	0.0593	0.1582	0.4539	1.1934	-	-
2	0.0035	0.0151	0.0558	0.1468	0.5036	1.3117	-	-
2.24	0.0030	0.0132	0.0493	0.1286	0.4177	1.1001	-	-
2.5	0.0027	0.0120	0.0468	0.1177	0.3798	0.9805	-	-
2.8	0.0024	0.0107	0.0398	0.1051	0.3207	0.8390	-	-
3.15	0.0021	0.0095	0.0354	0.0932	0.2678	0.7117	-	-
3.55	0.0016	0.0069	0.0245	0.0694	0.2207	0.5655	-	-
4	0.0013	0.0060	0.0211	0.0602	0.1776	0.4642	-	-
4.5	0.0011	0.0052	0.0181	0.0519	0.1521	0.4039	-	-
5	0.0010	0.0044	0.0154	0.0436	0.1333	0.3626	-	-
5.6	0.0009	0.0038	0.0135	0.0373	0.1150	0.3092	-	-

i_N	PC										
	18	20	22	25	28	31	35	40	42	45	47
4	0.0387	-	0.1369	-	0.3888	-	1.0408	-	3.2476	-	-
4.5	0.0328	-	0.1162	-	0.3288	-	0.8777	-	2.707	-	-
5	0.0277	-	0.0987	-	0.2783	-	0.7406	1.332	2.2531	3.7609	-
5.6	0.0235	0.0545	0.0839	0.1817	0.2354	0.5013	0.6244	1.1066	1.8707	3.1162	-
6.3	0.0211	0.0453	0.075	0.1516	0.2099	0.4179	0.5924	0.9196	1.5476	2.5778	4.5894
7.1	0.0178	0.0376	0.0635	0.1267	0.1764	0.3485	0.4856	0.7634	1.2738	2.1269	3.7767
8.0	0.0156	0.0312	0.0544	0.1058	0.1543	0.2903	0.4385	0.7092	1.1196	1.7481	3.1021
9.0	0.0129	0.0274	0.0455	0.0927	0.1274	0.2544	0.3652	0.575	0.9377	1.4291	2.5405
10.0	0.0112	0.0226	0.0413	0.0771	0.1109	0.2105	0.2996	0.5163	0.7746	1.2504	2.0718
11.2	0.0093	0.0196	0.0332	0.0657	0.0925	0.1828	0.2658	0.4257	0.6726	1.0407	1.6797
12.5	0.008	0.0161	0.0287	0.0543	0.0779	0.1496	0.2114	0.3456	0.5409	0.8541	1.4615
14	0.0069	0.0138	0.0248	0.0486	0.0666	0.1292	0.1795	0.3047	0.4634	0.7381	1.2071
16	0.0057	0.0112	0.021	0.0386	0.0548	0.1062	0.1538	0.2395	0.4049	0.5893	0.9824
18	0.005	0.0095	0.0185	0.0331	0.0466	0.089	0.1313	0.2018	0.3384	0.5023	0.8437
20	-	0.0081	-	0.0284	-	0.0755	-	0.172	-	0.4377	0.6674
22.4	-	0.0067	-	0.0238	-	0.0618	-	0.1457	-	0.3637	0.5652
25	-	0.0058	-	0.0209	-	0.052	-	-	-	-	0.4907
28	-	-	-	-	-	-	-	-	-	-	0.4046

i_N	PD										
	18	20	22	25	28	31	35	40	42	45	47
16	0.0095	-	-	-	0.0682	-	0.1959	-	0.5227	-	-
18	0.0088	-	-	-	0.0611	-	0.1758	-	0.4737	-	-
20	0.008	-	0.0244	-	0.0537	-	0.1595	0.2137	0.4367	0.5532	-
22.4	0.006	0.0105	0.0228	-	0.0393	0.0753	0.1138	0.1898	0.3024	0.4983	-
25	0.0057	0.0096	0.0212	0.0262	0.0358	0.0667	0.1039	0.171	0.2785	0.4574	0.6026
28	0.0053	0.0086	0.0202	0.0243	0.0322	0.058	0.096	0.1225	0.2605	0.3174	0.538
31.5	0.005	0.0065	0.0127	0.0224	0.0296	0.0427	0.089	0.1108	0.2399	0.2905	0.4909
35.5	0.0035	0.0061	0.0121	0.0212	0.021	0.0386	0.0699	0.1016	0.18	0.2706	0.3415
40	0.0033	0.0056	0.0115	0.0134	0.0191	0.0343	0.0658	0.0935	0.1707	0.2477	0.3099
45	0.0032	0.0053	0.0111	0.0126	0.0178	0.0313	0.0622	0.0735	0.16	0.1863	0.2869
50	0.0017	0.0037	0.0059	0.0119	0.0102	0.0224	0.0322	0.0687	0.0894	0.1759	0.2604
56	0.0016	0.0035	0.0056	0.0114	0.0095	0.0202	0.0302	0.0645	0.0846	0.1641	0.1963
63	0.0015	0.0033	0.0054	0.0062	0.0088	0.0187	0.0286	0.0339	0.0809	0.0924	0.1844
71	0.0015	0.0018	0.0052	0.0059	0.0083	0.0109	0.0272	0.0316	0.0767	0.087	0.1706
80	0.001	0.0017	-	0.0056	0.0056	0.0101	0.0183	0.0297	0.0494	0.083	0.0973
90	0.001	0.0016	-	0.0054	0.0052	0.0092	0.0174	0.0281	0.0476	0.0783	0.0909
100	0.001	0.0015	-	-	0.005	0.0086	0.0167	0.019	0.0455	0.0506	0.0863
112	-	0.0011	-	-	-	0.0059	-	0.018	-	0.0486	0.0809
125	-	0.001	-	-	-	0.0055	-	0.0172	-	0.0463	0.0525
140	-	0.001	-	-	-	0.0052	-	-	-	-	0.0502
160	-	-	-	-	-	-	-	-	-	-	0.0475

i_N	PE										
	18	20	22	25	28	31	35	40	42	45	47
71	-	-	0.0081	-	0.0101	-	0.0388	-	0.0675	-	-
80	-	-	0.008	-	0.0097	-	0.0378	-	0.065	-	-
90	0.0014	-	0.0079	0.0083	0.0094	-	0.037	-	0.0632	0.069	-
100	0.0013	-	0.0051	0.0081	0.0061	0.0104	0.0238	0.0396	0.0376	0.0663	-
112	0.0013	-	0.005	0.008	0.0059	0.01	0.0233	0.0385	0.0364	0.0642	0.0715
125	0.0013	0.0014	0.005	0.0052	0.0057	0.0096	0.0229	0.0376	0.0355	0.0383	0.0683
140	0.0007	0.0014	0.0049	0.0051	0.0056	0.0062	0.0226	0.0242	0.0344	0.037	0.0659
160	0.0007	0.0013	0.0034	0.005	0.0038	0.006	0.0157	0.0236	0.0222	0.036	0.0395
180	0.0007	0.0013	0.0034	0.005	0.0037	0.0058	0.0155	0.0232	0.0218	0.0348	0.0379
200	0.0007	0.0007	0.0034	0.0034	0.0036	0.0057	0.0153	0.0228	0.0212	0.0225	0.0368
224	0.0004	0.0007	0.0016	0.0034	0.0019	0.0038	0.0075	0.0158	0.0108	0.022	0.0354
250	0.0004	0.0007	0.0016	0.0034	0.0018	0.0037	0.0074	0.0156	0.0105	0.0214	0.023
280	0.0004	0.0007	0.0016	0.0016	0.0018	0.0037	0.0074	0.0154	0.0104	0.0109	0.0224
315	0.0004	0.0004	0.0016	0.0016	0.0018	0.0019	0.0073	0.0076	0.0102	0.0107	0.0218
355	-	0.0004	0.001	0.0016	0.0012	0.0019	0.0046	0.0075	0.0063	0.0105	0.0112
400	-	0.0004	0.001	0.0016	0.0012	0.0018	0.0045	0.0074	0.0062	0.0102	0.0109
450	-	0.0004	0.001	0.001	0.0012	0.0018	0.0045	0.0073	0.0061	0.0064	0.0106
500	-	-	-	0.001	-	0.0012	-	0.0046	-	0.0063	0.0104
560	-	-	-	0.001	-	0.0012	-	0.0045	-	0.0061	0.0065
630	-	-	-	-	-	0.0012	-	0.0045	-	-	0.0063
710	-	-	-	-	-	-	-	-	-	-	0.0062

i_N	PLB							
	10	12	16	20	25	31	40	45
5.6	0.0033	0.0153	0.0578	0.1416	0.4041	1.0755	3.0317	7.5236
6.3	0.0032	0.0149	0.0563	0.1370	0.3906	1.0437	2.9479	7.3054
7.1	0.0031	0.0144	0.0546	0.1319	0.3793	1.0189	2.8761	7.0907
8	0.0018	0.0086	0.0320	0.0783	0.2228	0.5877	1.6859	4.0943
9	0.0018	0.0084	0.0313	0.0760	0.2162	0.5723	1.6453	3.9885
10	0.0017	0.0081	0.0305	0.0736	0.2107	0.5602	1.6105	3.8844
11.2	0.0010	0.0051	0.0186	0.0458	0.1303	0.3392	0.9723	2.3699
12.5	0.0010	0.0050	0.0182	0.0446	0.1269	0.3313	0.9514	2.3153
14	0.0010	0.0049	0.0178	0.0434	0.1240	0.3251	0.9335	2.2617
16	0.0006	0.0030	0.0106	0.0262	0.0742	0.1891	0.5427	1.3266
18	0.0006	0.0029	0.0104	0.0256	0.0725	0.1853	0.5325	1.3001
20	0.0006	0.0029	0.0102	0.0250	0.0712	0.1822	0.5238	1.2741
22.4	0.0006	0.0028	0.0101	0.0245	0.0700	0.1789	0.5172	1.2537

i_N	PLC										
	18	20	22	25	28	31	35	40	42	45	47
18	0.016	-	0.0602	-	0.1474	-	0.4178	-	1.1175	-	-
20	0.0154	-	0.0582	-	0.1416	-	0.4014	-	1.0775	-	-
22.4	0.0148	-	0.0562	0.0625	0.1355	-	0.3881	0.4323	1.0473	1.1424	-
25	0.0089	0.0168	0.0332	0.06	0.0811	0.1531	0.2294	0.4129	0.608	1.0976	-
28	0.0086	0.0161	0.0322	0.0576	0.0783	0.1462	0.2214	0.3975	0.5886	1.0643	1.1826
31.5	0.0083	0.0153	0.0312	0.0343	0.0753	0.1391	0.215	0.2364	0.574	0.6201	1.13
35.5	0.0053	0.0093	0.0192	0.0331	0.0472	0.0839	0.1337	0.227	0.3497	0.5984	1.0916
40	0.0051	0.0089	0.0187	0.0319	0.0458	0.0805	0.1296	0.2195	0.3397	0.5822	0.6396
45	0.005	0.0086	0.0182	0.0198	0.0443	0.0771	0.1263	0.1373	0.3322	0.3559	0.6141
50	0.0031	0.0055	0.0109	0.0191	0.0268	0.0487	0.0758	0.1324	0.1942	0.3447	0.5954
56	0.003	0.0053	0.0107	0.0186	0.0261	0.0469	0.0738	0.1286	0.1893	0.3364	0.366
63	0.0029	0.0051	0.0104	0.0112	0.0254	0.0452	0.0722	0.0776	0.1857	0.1972	0.3528
71	0.0029	0.0032	0.0103	0.0109	0.0249	0.0275	0.0708	0.0752	0.1815	0.1918	0.3432
80	-	0.0031	-	0.0106	-	0.0267	-	0.0734	-	0.1877	0.2021
90	-	0.003	-	0.0104	-	0.0258	-	0.0717	-	0.1831	0.1957
100	-	0.0029	-	-	-	0.0252	-	-	-	-	0.191
112	-	-	-	-	-	-	-	-	-	-	0.1857

PLD, PWC, PWD

i_N	PLD										
	18	20	22	25	28	31	35	40	42	45	47
71	-	-	-	-	-	-	-	-	-	-	-
80	0.0035	-	0.0159	-	0.0194	-	0.0631	-	0.149	-	-
90	0.0035	-	0.0157	-	0.0191	-	0.0623	-	0.147	-	-
100	0.0034	-	0.0156	0.016	0.0188	-	0.0617	0.0638	0.1455	0.1503	-
112	0.0019	0.0035	0.0088	0.0158	0.0105	0.0197	0.0346	0.0629	0.0819	0.148	-
125	0.0019	0.0035	0.0088	0.0157	0.0104	0.0193	0.0342	0.0621	0.0809	0.1463	0.1523
140	0.0019	0.0035	0.0087	0.0089	0.0103	0.019	0.0339	0.0349	0.0802	0.0825	0.1496
160	0.0011	0.0019	0.0052	0.0088	0.0061	0.0107	0.0199	0.0345	0.0476	0.0814	0.1477
180	0.0011	0.0019	0.0052	0.0088	0.006	0.0105	0.0197	0.0341	0.0471	0.0806	0.0835
200	0.0011	0.0019	0.0052	0.0052	0.006	0.0103	0.0196	0.0201	0.0468	0.0479	0.0822
224	0.0006	0.0011	0.0031	0.0052	0.0035	0.0062	0.0113	0.0199	0.027	0.0474	0.0813
250	0.0006	0.0011	0.003	0.0052	0.0034	0.0061	0.0112	0.0197	0.0268	0.047	0.0485
280	0.0006	0.0011	0.003	0.0031	0.0034	0.006	0.0111	0.0114	0.0266	0.0272	0.0478
315	0.0006	0.0006	0.003	0.003	0.0034	0.0035	0.011	0.0112	0.0264	0.0269	0.0473
355	-	0.0006	-	0.003	-	0.0035	-	0.0112	-	0.0267	0.0274
400	-	0.0006	-	0.003	-	0.0034	-	0.0111	-	0.0265	0.0271
450	-	0.0006	-	-	-	0.0034	-	-	-	-	0.0269
500	-	-	-	-	-	-	-	-	-	-	0.0266

i_N	PWC										
	18	20	22	25	28	31	35	40	42	45	47
25	0.0089	-	0.0332	-	0.0811	-	0.2294	-	0.608	-	-
28	0.0086	-	0.0322	-	0.0783	-	0.2214	-	0.5886	-	-
31.5	0.0083	-	0.0312	0.0343	0.0753	-	0.215	0.2364	0.574	0.6201	-
35.5	0.0053	0.0093	0.0192	0.0331	0.0472	0.0839	0.1337	0.227	0.3497	0.5984	-
40	0.0051	0.0089	0.0187	0.0319	0.0458	0.0805	0.1296	0.2195	0.3397	0.5822	0.6396
45	0.005	0.0086	0.0182	0.0198	0.0443	0.0771	0.1263	0.1373	0.3322	0.3559	0.6141
50	0.0031	0.0055	0.0109	0.0191	0.0268	0.0487	0.0758	0.1324	0.1942	0.3447	0.5954
56	0.003	0.0053	0.0107	0.0186	0.0261	0.0469	0.0738	0.1286	0.1893	0.3364	0.366
63	0.0029	0.0051	0.0104	0.0112	0.0254	0.0452	0.0722	0.0776	0.1857	0.1972	0.3528
71	0.0029	0.0032	0.0103	0.0109	0.0249	0.0275	0.0708	0.0752	0.1815	0.1918	0.3432
80	-	0.0031	-	0.0106	-	0.0267	-	0.0734	-	0.1877	0.2021
90	-	0.003	-	0.0104	-	0.0258	-	0.0717	-	0.1831	0.1957
100	-	0.0029	-	-	-	0.0252	-	-	-	-	0.191
112	-	-	-	-	-	-	-	-	-	-	0.1857

i_N	PWD										
	18	20	22	25	28	31	35	40	42	45	47
71	-	-	-	-	-	-	-	-	-	-	-
80	0.0035	-	0.0159	-	0.0194	-	0.0631	-	0.149	-	-
90	0.0035	-	0.0157	-	0.0191	-	0.0623	-	0.147	-	-
100	0.0034	-	0.0156	0.016	0.0188	-	0.0617	0.0638	0.1455	0.1503	-
112	0.0019	0.0035	0.0088	0.0158	0.0105	0.0197	0.0346	0.0629	0.0819	0.148	-
125	0.0019	0.0035	0.0088	0.0157	0.0104	0.0193	0.0342	0.0621	0.0809	0.1463	0.1523
140	0.0019	0.0035	0.0087	0.0089	0.0103	0.019	0.0339	0.0349	0.0802	0.0825	0.1496
160	0.0011	0.0019	0.0052	0.0088	0.0061	0.0107	0.0199	0.0345	0.0476	0.0814	0.1477
180	0.0011	0.0019	0.0052	0.0088	0.006	0.0105	0.0197	0.0341	0.0471	0.0806	0.0835
200	0.0011	0.0019	0.0052	0.0052	0.006	0.0103	0.0196	0.0201	0.0468	0.0479	0.0822
224	0.0006	0.0011	0.0031	0.0052	0.0035	0.0062	0.0113	0.0199	0.027	0.0474	0.0813
250	0.0006	0.0011	0.003	0.0052	0.0034	0.0061	0.0112	0.0197	0.0268	0.047	0.0485
280	0.0006	0.0011	0.003	0.0031	0.0034	0.006	0.0111	0.0114	0.0266	0.0272	0.0478
315	0.0006	0.0006	0.003	0.003	0.0034	0.0035	0.011	0.0112	0.0264	0.0269	0.0473
355	-	0.0006	-	0.003	-	0.0035	-	0.0112	-	0.0267	0.0274
400	-	0.0006	-	0.003	-	0.0034	-	0.0111	-	0.0265	0.0271
450	-	0.0006	-	-	-	0.0034	-	-	-	-	0.0269
500	-	-	-	-	-	-	-	-	-	-	0.0266