



P1 (Kw)	n2 (rpm)	M2 (Nm)	f.s	l	SIZE	Motor size	Fr2 (N)	
0.06	280.0	1.8	10.1	5	NBR030	56A4	597	
	186.7	2.6	6.9	7.5			683	
	140.0	3.4	5.4	10			752	
	93.3	4.7	3.8	15			861	
	70.0	6.0	3.0	20			948	
	56.0	7.0	3.0	25			1021	
	46.7	8.0	2.5	30			1085	
	35.0	9.7	1.9	40			1194	
	28.0	11	1.5	50			1286	
	23.3	13	1.3	60			1367	
	17.5	14	0.9	80			1504	
	15.0	18	0.9	60			NBR030	56B6
18.0	18	2.3	50	NBR040	56B6	2868		
15.0	21	1.9	60			3047		
11.3	24	1.4	80			3354		
9.0	27	1.2	100			3490		
4.7	57	1.3	300			NBR030/040	56A4	3490
3.5	70	0.9	400	3490				
2.8	96	0.6	500	3490				
2.3	104	0.7	600	3490				
1.9	121	0.6	750	3490				
1.6	139	0.5	900	3490				
1.2	166	0.4	1200	3490				
0.9	196	0.4	1500	3490				
0.8	218	0.3	1800	3490				
0.58	261	0.2	2400	3490				
0.4	300	0.2	3200	3490				
0.4	279	0.1	4000	3490				
0.28	338	0.1	5000	3490				
1.6	141	1.0	900	NBR030/050	56A4			4840
1.2	169	0.7	1200					4840
0.93	199	0.7	1500			4840		
0.78	222	0.7	1800			4840		
0.6	266	0.5	2400			4840		
0.5	307	0.4	3000			4840		
0.35	288	0.3	4000			4840		
0.29	311	0.3	4800			4840		
0.9	204	1.1	1500			NBR030/063	56A4	6270
0.78	225	0.9	1800	6270				
0.58	276	0.8	2400	6270				
0.47	319	0.7	3000	6270				
0.35	306	0.6	4000	6270				
0.28	360	0.4	5000	6270				
0.6	330	1.1	2400	NBR040/075	56A4			7380
0.47	377	0.8	3000			7380		
0.35	355	0.7	4000			7380		
0.28	419	0.5	5000			7380		
0.5	406	1.4	3000	NBR040/090	56A4	8180		
0.35	365	1.3	4000			8180		
0.28	431	1.0	5000			8180		



P1 (Kw)	n2 (rpm)	M2 (Nm)	f.s	l	SIZE	Motor size	Fr2 (N)	
0.09	560.0	1.4	8.8	5	NBR030	56A2	474	
	373.3	2.0	6.5	7.5			542	
	280.0	2.6	5.0	10			597	
	186.7	3.7	3.5	15			683	
	140.0	4.8	2.5	20			752	
	112.0	5.7	2.8	25			810	
	93.3	6.5	2.3	30			861	
	70.0	8.1	1.7	40			948	
	56.0	10	1.4	50			1021	
	46.7	11	1.1	60			1085	
	35.0	13	0.9	80			1194	
280.0	2.7	6.7	5	NBR030	56B4	597		
186.7	3.9	4.6	7.5			683		
140.0	5.0	3.6	10			752		
93.3	7.1	2.5	15			861		
70.0	9.0	2.0	20			948		
56.0	10	2.0	25			1021		
46.7	12	1.7	30			1085		
35.0	14	1.2	40			1194		
28.0	17	1.0	50			1286		
23.3	19	0.9	60			1367		
180.0	4.1	4.9	5			NBR030	63A6	692
120.0	5.9	3.4	7.5	792				
90.0	7.6	2.6	10	871				
60.0	11	1.9	15	997				
45.0	13	1.5	20	1098				
36.0	15	1.5	25	1183				
30.0	17	1.2	30	1257				
22.5	21	1.0	40	1383				
18.0	24	0.7	50	1490				
28.0	19	2.0	50	NBR040	56B4			2475
23.3	21	1.7	60					2630
17.5	26	1.3	80			2895		
14.0	29	1.0	100			3118		
30.0	19	2.6	30	NBR040	63A6	2419		
22.5	24	1.9	40			2662		
18.0	27	1.5	50			2868		
15.0	31	1.3	60			3047		
11.3	37	1.0	80			3354		
9.0	41	0.8	100			3490		
12.0	47	1.3	75			PC063+NBR040	63A6	3283
10.0	51	1.4	90	3488				
7.5	62	1.1	120	3490				
6.0	72	0.8	150	3490				
5.0	79	0.7	180	3490				
4.7	88	0.8	300	NBR030/040	56B4	3490		
15.0	32	2.3	60	NBR050	63A6	4183		
11.3	37	1.8	80			4604		
9.0	42	1.3	100			4840		



DVJ SERVICE

NBR®

Worm Gearboxes

ХАРАКТЕРИСТИКИ НА РЕДУКТОРИ NBR
PERFORMANCE NBR GEARBOXES



P1 (Kw)	n2 (rpm)	M2 (Nm)	f.s	l	SIZE	Motor size	Fr2 (N)
0.09	6.0	73	1.6	150	PC063+NBR050	63A6	4840
	5.0	81	1.3	180			4840
	3.8	94	0.9	240			4840
	3.0	106	0.7	300			4840
	3.5	107	1.2	400	NBR030/050	56B4	4840
	2.8	123	1.0	500			4840
	2.3	159	0.9	600			4840
	1.9	185	0.8	750			4840
	1.6	212	0.7	900			4840
	3.8	99	1.7	240	PC063+NBR063	63A6	6270
	3.0	109	1.4	300			6270
	1.6	200	1.0	900	NBR030/063	56B4	6270
	1.2	263	0.9	1200			6270
	0.93	305	0.7	1500			6270
	0.9	360	1.1	1500	NBR040/075	56B4	7380
	0.78	404	1.0	1800			7380
0.58	496	0.7	2400	7380			
0.5	609	0.9	3000	NBR040/090	56B4	8180	
0.35	548	0.8	4000			8180	
0.12	280.0	3.6	5.1	5	NBR030	63A4	597
	186.7	5.2	3.4	7.5			683
	140.0	6.7	2.7	10			752
	93.3	9.5	1.9	15			861
	70.0	12	1.5	20			948
	56.0	14	1.5	25			1021
	46.7	16	1.3	30			1085
	35.0	19	0.9	40			1194
	28.0	23	0.8	50			1286
	180.0	5.4	3.7	5			NBR030
	120.0	7.9	2.5	7.5	792		
	90.0	10	2.0	10	871		
	60.0	14	1.4	15	997		
	45.0	18	1.1	20	1098		
	36.0	20	1.1	25	1183		
	30.0	23	0.9	30	1257		
	46.7	17	2.6	30	NBR040	63A4	
	35.0	21	1.9	40			2298
	28.0	25	1.5	50			2475
	23.3	28	1.3	60			2630
	17.5	34	1.0	80			2895
	14.0	38	0.8	100			3118
	30.0	25	1.9	30			NBR040
	22.5	32	1.4	40	2662		
	18.0	36	1.2	50	2868		
	15.0	41	0.9	60	3047		
	18.7	42	1.2	75	PC063+NBR040	63A4	
	15.6	46	1.2	90			3011
	11.7	57	0.9	120			3314
	9.3	66	0.7	150			3490
7.8	74	0.6	180	3490			



P1 (Kw)	n2 (rpm)	M2 (Nm)	f.s	l	SIZE	Motor size	Fr2 (N)
0.12	12.0	62	1.0	75	PC063+NBR040	63B6	3283
	10.0	68	1.1	90			3488
	7.5	83	0.8	120			3490
	23.3	29	2.3	60	NBR050	63A4	3610
	17.5	35	1.9	80			3973
	14.0	40	1.4	100			4280
	22.5	32	2.6	40	NBR050	63B6	3654
	18.0	38	2.0	50			3936
	15.0	42	1.7	60			4183
	11.3	50	1.4	80			4604
	9.0	56	1.0	100			4840
	9.3	68	1.3	150	PC063+NBR050	63A4	4840
	7.8	75	1.1	180			4840
	5.8	88	0.8	240			4840
	4.7	98	0.7	300			4840
	12.0	63	1.7	75	PC063+NBR050	63B6	4506
	10.0	70	2.1	90			4788
	7.5	84	1.5	120			4840
	6.0	97	1.2	150			4840
	5.0	108	1.0	180			4840
	3.8	125	0.7	240			4840
	4.7	119	1.2	300	NBR030/050	63A4	4840
	3.5	142	0.9	400			4840
	2.8	164	0.7	500			4840
	5.8	92	1.5	240	PC063+NBR063	63A4	6270
	4.7	103	1.2	300			6270
	6.0	101	2.1	150	PC063+NBR063	63B6	6270
	5.0	112	1.8	180			6270
	3.8	131	1.3	240			6270
	3.0	145	1.0	300			6270
	2.8	171	1.3	500	NBR030/063	63A4	6270
	2.3	208	1.1	600			6270
	1.9	241	0.9	750			6270
	1.6	325	1.2	900	NBR040/075	63A4	7380
	1.2	399	0.9	1200			7380
	0.8	547	0.9	1800	NBR040/090	63A4	8180
	0.58	695	0.9	2400			8180
	0.5	884	1.2	3000	NBR050/110	63A4	10320
	0.35	784	1.0	4000			10320
	0.28	928	0.80	5000			10320
0.18	560.0	2.7	4.4	5	NBRV030	63A2	474
	373.3	4.0	3.2	7.5			542
	280.0	5.2	2.5	10			597
	186.7	7.5	1.7	15			683
	140.0	10	1.3	20			752



P1 (Kw)	n2 (rpm)	M2 (Nm)	f.s	l	SIZE	Motor size	Fr2 (N)		
0.18	280.0	5.3	3.4	5	NBR030	63B4	597		
	186.7	7.8	2.3	7.5			683		
	140.0	10	1.8	10			752		
	93.3	14	1.3	15			861		
	70.0	18	1.0	20			948		
	56.0	21	1.0	25			1021		
	46.7	24	0.8	30	1085				
	93.3	14	2.4	30	NBR040	63A2	1657		
	70.0	18	1.8	40			1824		
	56.0	21	1.4	50			1964		
	70.0	19	2.0	20	NBR040	63B4	1824		
	56.0	23	1.7	25			1964		
	46.7	26	1.7	30			2087		
	35.0	32	1.3	40			2298		
	28.0	38	1.0	50			2475		
	23.3	43	0.8	60			2630		
	45.0	29	1.5	20			NBR040	71A6	2113
	36.0	34	1.3	25					2276
30.0	38	1.3	30	2419					
22.5	47	1.0	40	2662					
18.7	64	0.8	75	PC063+NBR040	63B4	2833			
15.6	70	0.8	90			3011			
11.7	85	0.6	120			3314			
46.7	24	2.1	60	NBR050	63A2	2865			
35.0	30	1.5	80			3153			
28.0	34	1.2	100			3397			
35.0	33	2.3	40	NBR050	63B4	3153			
28.0	39	1.9	50			3397			
23.3	43	1.6	60			3610			
17.5	52	1.2	80			3973			
14.0	60	0.9	100			4280			
18.0	56	1.4	50			NBR050	71A6	3936	
15.0	63	1.1	60	4183					
11.3	75	0.9	80	4604					
18.7	64	1.4	75	PC063+NBR050	63B4	3889			
15.6	71	1.5	90			4132			
11.7	87	1.1	120			4548			
9.3	101	0.9	150			4840			
7.8	113	0.7	180			4840			
5.8	133	0.6	240			4840			
12.0	95	1.2	75			PC071+NBR050	71A6	4506	
10.0	105	1.4	90					4788	
7.5	126	1.0	120	4840					
15.0	66	2.1	60	NBR063	71A6	5467			
11.3	79	1.6	80			6018			
9.0	90	1.4	100			6270			
9.3	103	1.7	150	PC063+NBR063	63B4	6270			
7.8	117	1.4	180			6270			
5.8	139	1.0	240			6270			
4.7	155	0.8	300			6270			



P1 (Kw)	n2 (rpm)	M2 (Nm)	f.s	l	SIZE	Motor size	Fr2 (N)
0.18	12.0	97	2.2	75	PC071+NBR063	71A6	5889
	10.0	107	2.4	90			6259
	7.5	131	1.8	120			6270
	6.0	152	1.4	150			6270
	5.0	168	1.2	180			6270
	3.8	197	0.9	240			6270
	3.0	218	0.7	300			6270
3.5	222	1.0	400	NBR030/063	63B4	6270	
2.8	257	0.8	500			6270	
5.0	179	1.7	180	PC071+NBR075	71A6	7380	
3.8	211	1.2	240			7380	
3.0	235	1.0	300			7380	
2.3	362	1.1	600	NBR040/075	63B4	7380	
1.9	435	0.9	750			7380	
1.6	487	0.8	900			7380	
1.2	629	1.0	1200	NBR040/090	63B4	8180	
0.93	735	0.8	1500			8180	
0.8	861	1.5	1800	NBR050/110	63B4	10320	
0.58	1113	1.1	2400			10320	
0.25	560.0	3.8	3.2	5	NBR030	63B2	474
	373.3	5.6	2.3	7.5			542
	280.0	7.2	1.8	10			597
	186.7	10	1.3	15			683
	140.0	13	0.9	20			752
	112.0	16	1.0	25			810
	93.3	18	0.8	30			861
	280.0	8	4.5	5			NBR040
	186.7	11	3.6	7.5	1315		
	140.0	14	2.8	10	1447		
	93.3	21	1.9	15	1657		
	70.0	27	1.5	20	1824		
	56.0	32	1.2	25	1964		
	46.7	36	1.3	30	2087		
	35.0	44	0.9	40	2298		
	180.0	12	3.5	5	NBR040	71B6	1331
	120.0	17	2.6	7.5			1524
90.0	22	2.0	10	1677			
60.0	31	1.4	15	1920			
45.0	40	1.1	20	2113			
36.0	48	0.9	25	2276			
30.0	53	0.9	30	2419			
35.0	42	1.1	80	NBR050	63B2	3153	
28.0	48	0.8	100			3397	
70.0	27	2.7	20	NBR050	71A4	2503	
56.0	32	2.2	25			2696	
46.7	37	2.3	30			2865	
35.0	46	1.7	40			3153	
28.0	54	1.4	50			3397	
23.3	60	1.1	60			3610	
17.5	72	0.9	80			3973	



P1 (Kw)	n2 (rpm)	M2 (Nm)	f.s	l	SIZE	Motor size	Fr2 (N)
0.25	45.0	40	1.9	20	NBR050	71B6	2900
	36.0	48	1.5	25			3124
	30.0	54	1.7	30			3320
	22.5	67	1.2	40			3654
	18.0	78	1.0	50			3936
	15.0	88	0.8	60	4183		
	18.7	88	1.0	75	PC071+NBR050	71A4	3889
	15.6	98	1.1	90			4132
	11.7	121	0.8	120			4548
	28.0	56	2.4	50	NBR063	71A4	4440
23.3	63	2.0	60	4719			
17.5	78	1.6	80	5193			
14.0	87	1.4	100	5595			
18.0	81	1.8	50	NBR063	71B6	5145	
15.0	92	1.5	60			5467	
11.3	110	1.2	80			6018	
9.0	125	1.0	100			6270	
18.7	91	1.8	75	PC071+NBR063	71A4	5083	
15.6	100	2.0	90			5401	
11.7	125	1.5	120			5945	
9.3	143	1.2	150			6270	
7.8	163	1.0	180			6270	
5.8	192	0.7	240			6270	
4.7	215	0.6	300			6270	
12.0	135	1.6	75			PC071+NBR063	71B6
10.0	148	1.8	90	6259			
7.5	181	1.3	120	6270			
6.0	211	1.0	150	6270			
7.0	159	1.4	400	NBR030/063	63B2	6270	
5.6	185	1.2	500			6270	
17.5	82	2.3	80	NBR075	71A4	6130	
14.0	94	1.9	100			6603	
11.3	117	1.7	80	NBR075	71B6	7103	
9.0	133	1.4	100			7380	
9.3	151	1.7	150	PC071+NBR075	71A4	7380	
7.8	172	1.4	180			7380	
5.8	201	1.1	240			7380	
4.7	230	0.9	300			7380	
12.0	139	2.4	75			PC071+NBR075	71B6
10.0	155	2.5	90	7380			
7.5	191	1.9	120	7380			
6.0	219	1.5	150	7380			
5.0	248	1.2	180	7380			
3.5	336	1.1	400	NBR040/075	71A4		
2.8	384	0.8	500			7380	
5.0	263	1.9	180	PC071+NBR090	71B6	8180	
3.8	318	1.4	240			8180	
3.0	358	1.1	300			8180	



P1 (Kw)	n2 (rpm)	M2 (Nm)	f.s	l	SIZE	Motor size	Fr2 (N)
0.25	2.3	512	1.2	600	NBR040/090	71A4	8180
	1.9	598	0.9	750			8180
	1.6	667	0.8	900			8180
	1.2	943	1.3	1200	NBR050/110	71A4	10320
	0.93	1064	1.2	1500			10320
	0.78	1195	1.1	1800			10320
	0.6	1624	1.0	2400	NBR063/130	71A4	13500
	0.47	1935	0.8	3000			13500
	0.35	2046	0.6	4000			13500
	0.28	2430	0.5	5000			13500
	0.8	1199	1.8	1800	NBR063/150	71A4	18000
	0.6	1446	1.8	2400			18000
0.5	1713	1.4	3000	18000			
0.4	2026	0.9	4000	18000			
0.3	2251	0.7	5000	18000			
0.37	560.0	5.6	2.1	5	NBR030	63C2	474
	373.3	8.2	1.6	7.5			542
	280.0	11	1.2	10			597
	186.7	15	0.8	15			683
	560.0	5.7	4.2	5	NBR040	71A2	912
	373.3	8.4	3.3	7.5			1044
	280.0	11	2.6	10			1149
	186.7	16	1.9	15			1315
	140.0	21	1.4	20			1447
	112.0	25	1.1	25			1559
	280.0	11	3.0	5	NBR040	71B4	1149
	186.7	16	2.4	7.5			1315
	140.0	21	1.9	10			1447
	93.3	31	1.3	15			1657
	70.0	39	1.0	20			1824
	56.0	47	0.8	25			1964
	46.7	53	0.8	30			2087
	112.0	25	2.0	25			NBR050
	93.3	29	2.2	30	2274		
	70.0	37	1.6	40	2503		
	56.0	44	1.2	50	2696		
	46.7	50	1.0	60	2865		
	35.0	62	0.7	80	3153		
	140.0	22	3.3	10	NBR050	71B4	1987
	93.3	31	2.4	15			2274
	70.0	40	1.8	20			2503
	56.0	48	1.5	25			2696
	46.7	55	1.5	30			2865
	35.0	68	1.1	40			3153
	28.0	80	0.9	50			3397
	23.3	89	0.8	60			3610
	180.0	17	4.3	5	NBR050	80A6	1827
	120.0	25	3.3	7.5			2091
	90.0	33	2.5	10			2302
	60.0	47	1.8	15			2635
	45.0	60	1.3	20			2900
36.0	72	1.0	25	3124			
30.0	80	1.1	30	3320			



P1 (Kw)	n2 (rpm)	M2 (Nm)	f.s	l	SIZE	Motor size	Fr2 (N)
0.37	35.0	71	2.1	40	NBR063	71B4	4122
	28.0	83	1.6	50			4440
	23.3	94	1.4	60			4719
	17.5	115	1.1	80			5193
	14.0	129	0.9	100			5595
	45.0	60	2.4	20	NBR063	80A6	3791
	36.0	74	1.9	25			4084
	30.0	82	2.1	30			4339
	22.5	102	1.6	40			4776
	18.0	120	1.2	50			5145
	15.0	137	1.0	60			5467
	18.7	134	1.2	75	PC071+NBR063	71B4	5083
	15.6	148	1.4	90			5401
	11.7	185	1.0	120			5945
	9.3	212	0.8	150			6270
	9.3	181	1.3	300	NBR030/063	63C2	6270
	7.0	236	1.0	400			6270
	23.3	98	2.0	60	NBR075	71B4	5569
	17.5	121	1.6	80			6130
14.0	139	1.3	100	6603			
18.0	126	1.8	50	NBR075	80A6	6073	
15.0	144	1.5	60			6453	
11.3	173	1.2	80			7103	
9.0	196	1.0	100			7380	
18.7	138	1.8	75	PC071+NBR075	71B4	6000	
15.6	154	1.9	90			6375	
11.7	191	1.5	120			7017	
9.3	223	1.1	150			7380	
7.8	254	0.9	180			7380	
12.0	206	1.6	75	PC080+NBR075	80A6	6952	
10.0	230	1.7	90			7380	
7.5	283	1.3	120			7380	
6.0	324	1.0	150			7380	
4.7	405	1.0	300	NBR040/075	71B4	7380	
3.5	498	0.7	400			7380	
11.3	185	1.7	80	NBR090	80A6	7859	
9.0	212	1.3	100			8180	
7.8	268	1.5	180	PC071+NBR090	71B4	8180	
5.8	321	1.1	240			8180	
4.7	371	0.9	300			8180	
6.0	347	1.6	150	PC080+NBR090	80A6	8180	
5.0	389	1.3	180			8180	
3.8	471	1.0	240			8180	
4.7	402	1.5	300	NBR040/090	71B4	8180	
3.5	523	1.2	400			8180	
2.8	611	0.9	500			8180	
2.3	757	0.8	600			8180	



P1 (Kw)	n2 (rpm)	M2 (Nm)	f.s	l	SIZE	Motor size	Fr2 (N)	
0.37	3.8	509	1.6	240	PC080+NBR110	80A6	10320	
	3.0	577	1.3	300			10320	
	1.9	950	1.3	750	NBR050/110	71B4	10320	
	1.6	1079	1.2	900			10320	
	1.2	1396	0.8	1200			10320	
	0.9	1674	1.1	1500	NBR063/130	71B4	13500	
	0.78	1887	0.9	1800			13500	
	0.8	1775	1.2	1800	NBR063/150	71B4	18000	
	0.6	2141	1.2	2400			18000	
	0.5	2535	0.9	3000			18000	
	0.55	560.0	8.4	2.8	5	NBR040	71B2	912
		373.3	13	2.2	7.5			1044
280.0		17	1.8	10	1149			
186.7		24	1.3	15	1315			
140.0		31	0.9	20	1447			
112.0		37	0.8	25	1559			
280.0		17	2.0	5	NBR040	71C4	1149	
186.7		24	1.6	7.5			1315	
140.0		32	1.3	10			1447	
93.3		46	0.9	15			1657	
140.0		31	1.7	20	NBR050	71B2	1987	
112.0		38	1.4	25			2140	
93.3		43	1.5	30			2274	
70.0		55	1.1	40			2503	
56.0		65	0.8	50			2696	
46.7		74	0.7	60			2865	
280.0		17	3.7	5			NBR050	80A4
186.7		25	2.9	7.5	1805			
140.0		32	2.2	10	1987			
93.3		46	1.6	15	2274			
70.0		59	1.2	20	2503			
56.0		71	1.0	25	2696			
46.7		81	1.0	30	2865			
120.0		38	2.2	7.5	NBR050	80B6	2091	
90.0		49	1.7	10			2302	
60.0		69	1.2	15			2635	
45.0		89	0.9	20			2900	
70.0		56	1.9	40	NBR063	71B2	3272	
56.0		67	1.5	50			3524	
46.7		77	1.2	60			3745	
35.0		95	0.9	80			4122	
28.0		109	0.7	100			4440	
70.0		61	2.2	20			NBR063	80A4
56.0		73	1.8	25	3524			
46.7		83	1.9	30	3745			
35.0		105	1.4	40	4122			
28.0	124	1.1	50	4440				
23.3	140	0.9	60	4719				



P1 (Kw)	n2 (rpm)	M2 (Nm)	f.s	l	SIZE	Motor size	Fr2 (N)
0.55	60.0	71	2.2	15	NBR063	80B6	3444
	45.0	90	1.6	20			3791
	36.0	109	1.3	25			4084
	30.0	123	1.4	30			4339
	22.5	152	1.1	40			4776
	18.7	200	0.8	75	PC071+NBR063	71C4	5083
	15.6	219	0.9	90			5401
	35.0	99	1.3	80	NBR075	71B2	4865
	28.0	114	1.0	100			5241
	35.0	108	2.0	40	NBR075	80A4	4865
28.0	129	1.6	50	5241			
23.3	146	1.4	60	5569			
17.5	180	1.1	80	6130			
14.0	206	0.9	100	6603			
30.0	128	2.0	30	NBR075	80B6	5122	
22.5	159	1.5	40			5637	
18.0	187	1.2	50			6073	
15.0	214	1.0	60			6453	
18.7	205	1.2	75	PC071+NBR075	71C4	6000	
15.6	230	1.3	90			6375	
11.7	284	1.0	120			7017	
18.7	205	1.2	75	PC080+NBR075	80A4	6000	
15.6	230	1.3	90			6375	
11.7	284	1.0	120			7017	
9.3	332	0.8	150			7380	
12.0	306	1.1	75	PC080+NBR075	80B6	6952	
10.0	341	1.1	90			7380	
17.5	189	1.5	80	NBR090	80A4	6783	
14.0	221	1.2	100			7306	
18.0	198	2.0	50	NBR090	80B6	6719	
15.0	224	1.6	60			7140	
11.3	275	1.1	80			7859	
9.0	315	0.9	100			8180	
15.6	240	2.3	90	PC080+NBR090	80A4	7054	
11.7	297	1.6	120			7764	
9.3	355	1.3	150			8180	
7.8	398	1.0	180			8180	
10.0	357	2.0	90	PC080+NBR090	80B6	8174	
7.5	441	1.4	120			8180	
6.0	516	1.1	150			8180	
5.0	578	0.9	180			8180	
9.3	306	2.0	300	NBR040/090	71B2	8180	
7.0	403	1.5	400			8180	
5.6	470	1.2	500			8180	
17.5	201	2.6	80	NBR110	80A4	8571	
14.0	236	2.0	100			9232	



P1 (Kw)	n2 (rpm)	M2 (Nm)	f.s	l	SIZE	Motor size	Fr2 (N)		
0.55	11.3	294	1.9	80	NBR110	80B6	9931		
	9.0	338	1.5	100			10320		
	7.8	425	1.8	180	PC080+NBR110	80A4	10320		
	5.8	513	1.3	240			10320		
	4.7	597	1.0	300			10320		
	7.5	462	2.6	120			PC080+NBR110	80B6	10320
	6.0	552	2.0	150	10320				
	5.0	620	1.6	180	10320				
	3.8	756	1.1	240	10320				
	4.7	639	2.0	300	NBR050/110	80A4	10320		
	3.5	826	1.4	400			10320		
	2.8	984	1.1	500			10320		
	2.3	1181	1.0	600			10320		
	1.9	1411	0.9	750			10320		
	3.8	756	1.6	240	PC080+NBR130	80B6	13500		
	3.0	858	1.3	300			13500		
2.8	996	1.6	500	NBR063/130	80A4	13500			
1.9	1471	1.2	750			13500			
1.2	2132	0.8	1200			13500			
0.8	2638	0.8	1800	NBR063/150	80A4	18000			
0.6	3182	0.8	2400			18000			
0.75	560.0	12	2.1	5	NBR040	71C2	912		
	373.3	17	1.6	7.5			1044		
	280.0	23	1.3	10			1149		
	186.7	32	1.0	15			1315		
	560.0	12	3.9	5	NBR050	80A2	1251		
	373.3	17	3.0	7.5			1433		
	280.0	23	2.4	10			1577		
	186.7	33	1.7	15			1805		
	140.0	42	1.3	20			1987		
	112.0	51	1.0	25			2140		
	93.3	58	1.1	30			2274		
	280.0	23	2.7	5			NBR050	80B4	1577
	186.7	34	2.1	7.5	1805				
	140.0	44	1.6	10	1987				
	93.3	63	1.2	15	2274				
	70.0	81	0.9	20	2503				
	140.0	43	2.3	20	NBR063	80A2			2597
	112.0	52	1.8	25			2797		
	93.3	60	2.0	30			2973		
	70.0	77	1.4	40			3272		
	56.0	91	1.1	50			3524		
	46.7	104	0.9	60			3745		
	93.3	64	2.2	15			NBR063	80B4	2973
	70.0	83	1.6	20					3272
	56.0	100	1.3	25	3524				
	46.7	114	1.4	30	3745				
	35.0	143	1.0	40	4122				



P1 (Kw)	n2 (rpm)	M2 (Nm)	f.s	l	SIZE	Motor size	Fr2 (N)
0.75	120.0	52	2.9	7.5	NBR063	90S6	2734
	90.0	68	2.3	10			3009
	60.0	97	1.6	15			3444
	45.0	123	1.2	20			3791
	36.0	149	0.9	25			4084
	30.0	167	1.0	30			4339
	46.7	109	1.3	60	NBR075	80A2	4421
	28.0	156	0.8	100			5241
	56.0	102	2.0	25	NBR075	80B4	4160
	46.7	117	2.0	30			4421
35.0	147	1.5	40	4865			
28.0	177	1.2	50	5241			
23.3	200	1.0	60	5569			
60.0	98	2.4	15	NBR075			90S6
45.0	126	1.9	20		4474		
36.0	153	1.4	25		4820		
30.0	174	1.5	30		5122		
22.5	216	1.1	40		5637		
18.7	280	0.9	75		PC080+NBR075	80B4	
15.6	313	1.0	90	6375			
35.0	141	1.6	80	NBR090	80A2	5383	
28.0	166	1.2	100			5799	
28.0	184	1.8	50	NBR090	80B4	5799	
23.3	212	1.5	60			6163	
17.5	258	1.1	80			6783	
14.0	302	0.9	100			7306	
30.0	179	2.6	30			NBR090	90S6
22.5	226	1.8	40	6238			
18.0	271	1.4	50	6719			
15.0	306	1.1	60	7140			
15.6	327	1.7	90	PC080+NBR090	80B4		
11.7	405	1.2	120			7764	
9.3	483	0.9	150			8180	
7.8	543	0.7	180			8180	
7.0	549	1.1	400			NBR040/090	71C2
5.6	642	0.9	500	8180			
17.5	274	1.9	80	NBR110	80B4	8571	
14.0	322	1.5	100			9232	
15.0	325	2.1	60	NBR110	90S6	9023	
11.3	401	1.4	80			9931	
9.0	462	1.1	100			10320	
11.7	430	2.2	120			PC080+NBR110	80B4
9.3	506	1.7	150	10320			
7.8	580	1.3	180	10320			
5.8	700	0.9	240	10320			



P1 (Kw)	n2 (rpm)	M2 (Nm)	f.s	l	SIZE	Motor size	Fr2 (N)
0.75	12.4	393	3.2	73	PC090+NBR110	90S6	9614
	9.3	508	2.3	96.8			10320
	7.4	607	1.8	121			10320
	6.2	682	1.5	145.2			10320
	4.6	832	1.0	193.6			10320
	9.3	446	2.8	300	NBR050/110	80A2	10320
	7.0	563	2.1	400			10320
	5.6	687	1.6	500			10320
	4.7	871	1.5	300	NBR050/110	80B4	10320
	3.5	1126	1.1	400			10320
11.3	407	2.1	80	NBR130	90S6	12989	
9.0	470	1.7	100			13500	
5.8	712	1.4	240	PC080+NBR130	80B4	13500	
4.7	813	1.1	300			13500	
12.4	399	4.4	73	PC090+NBR130	90S6	12575	
9.3	508	3.2	96.8			13500	
7.4	607	2.6	121			13500	
6.2	682	2.1	145.2			13500	
4.6	832	1.5	193.6			13500	
3.7	944	1.2	242			13500	
2.8	1358	1.1	500			NBR063/130	80B4
2.3	1631	1.0	600	13500			
1.9	2005	0.9	750	13500			
1.6	2283	0.8	900	13500			
2.8	1291	1.8	500	NBR063/150	80B4	18000	
2.3	1529	1.7	600			18000	
1.9	1783	1.3	750			18000	
1.6	2215	0.9	900			18000	
1.2	2680	1.0	1200			18000	
560.0	17	2.6	5			NBR050	80B2
373.3	25	2.1	7.5	1433			
280.0	33	1.6	10	1577			
186.7	48	1.2	15	1805			
140.0	62	0.9	20	1987			
186.7	48	2.1	15	NBR063	80B2	2359	
140.0	63	1.6	20			2597	
112.0	77	1.2	25			2797	
93.3	88	1.4	30			2973	
70.0	113	1.0	40			3272	
120.0	76	2.0	7.5			NBR063	90L6
90.0	99	1.5	10	3009			
60.0	142	1.1	15	3444			
45.0	180	0.8	20	3791			
186.7	50	2.6	7.5	NBR063	90S4	2359	
140.0	65	2.0	10			2597	
93.3	93	1.5	15			2973	
70.0	122	1.1	20			3272	
56.0	146	0.9	25			3524	
46.7	167	1.0	30			3745	



P1 (Kw)	n2 (rpm)	M2 (Nm)	f.s	l	SIZE	Motor size	Fr2 (N)
1.10	112.0	78	1.9	25	NBR075	80B2	3302
	93.3	90	1.9	30			3509
	70.0	116	1.4	40			3862
	56.0	139	1.1	50			4160
	46.7	160	0.9	60			4421
	90.0	100	2.3	10	NBR075	90L6	3551
	60.0	144	1.6	15			4065
	45.0	184	1.3	20			4474
	36.0	225	1.0	25			4820
	30.0	256	1.0	30			5122
93.3	96	2.1	15	NBR075	90S4	3509	
70.0	123	1.7	20			3862	
56.0	150	1.3	25			4160	
46.7	171	1.3	30			4421	
35.0	216	1.0	40			4865	
35.0	207	1.1	80	NBR090	80B2	5383	
28.0	244	0.8	100			5799	
36.0	231	1.6	25	NBR090	90L6	5333	
30.0	263	1.8	30			5667	
22.5	331	1.2	40			6238	
18.0	397	1.0	50			6719	
15.0	448	0.8	60			7140	
35.0	225	1.6	40	NBR090	90S4	5383	
28.0	270	1.3	50			5799	
23.3	311	1.0	60			6163	
22.5	345	2.3	40	NBR110	90L6	7882	
18.0	414	1.8	50			8491	
15.0	476	1.4	60			9023	
11.3	588	1.0	80			9931	
28.0	281	2.3	50	NBR110	90S4	7328	
23.3	324	1.9	60			7787	
17.5	402	1.3	80			8571	
14.0	473	1.0	100			9232	
12.4	576	2.2	73	PC090+NBR110	90L6	9614	
9.3	746	1.6	96.8			10320	
7.4	890	1.2	121			10320	
6.2	1000	1.0	145.2			10320	
19.3	392	2.5	73	PC090+NBR110	90S4	8298	
14.5	508	1.8	96.8			9133	
11.6	599	1.5	121			9838	
9.6	686	1.1	145.2			10320	
7.2	828	0.8	193.6			10320	
9.3	654	1.9	300	NBR050/110	80B2	10320	
7.0	845	1.4	400			10320	
5.6	1007	1.1	500			10320	
11.3	598	1.4	80	NBR130	90L6	12989	
9.0	689	1.1	100			13500	
17.5	408	2.1	80	NBR130	90S4	11210	
14.0	480	1.5	100			12076	



P1 (Kw)	n2 (rpm)	M2 (Nm)	f.s	l	SIZE	Motor size	Fr2 (N)
1.10	12.4	585	3.0	73	PC090+NBR130	90L6	12575
	9.3	746	2.2	96.8			13500
	7.4	890	1.7	121			13500
	6.2	1000	1.4	145.2			13500
	4.6	1220	1.0	193.6			13500
	19.3	398	3.5	73	PC090+NBR130	90S4	10853
	14.5	508	2.6	96.8			11945
	11.6	608	2.0	121			12868
	9.6	686	1.6	145.2			13500
	7.2	843	1.2	193.6			13500
5.8	962	0.9	242	13500			
4.7	1312	1.3	300	NBR063/130	90S4	13500	
3.5	1671	1.0	400			13500	
2.8	1991	0.8	500			13500	
9.3	753	3.1	150	NBR063/150	90S4	18000	
7.0	966	2.4	200			18000	
5.6	1175	1.7	250			18000	
4.7	1364	1.7	300			18000	
3.5	1619	1.6	400			18000	
2.8	1893	1.2	500			18000	
2.3	2242	1.2	600			18000	
1.9	2616	0.9	750			18000	
1.50	560.0	23	1.9			5	NBR050
	373.3	35	1.5	7.5	1433		
	280.0	45	1.2	10	1577		
	186.7	65	0.9	15	1805		
	186.7	68	1.9	7.5	NBR063	90L4	2359
	140.0	89	1.5	10			2597
	93.3	127	1.1	15			2973
	70.0	166	0.8	20			3272
	373.3	35	2.7	7.5	NBR063	90S2	1873
	280.0	46	2.1	10			2061
186.7	66	1.6	15	2359			
140.0	86	1.2	20	2597			
112.0	105	0.9	25	2797			
93.3	120	1.0	30	2973			
120.0	105	2.0	7.5	NBR075	100LA6	3227	
90.0	137	1.7	10			3551	
60.0	196	1.2	15			4065	
56.0	189	0.8	50	NBR075	90S2	4160	
46.7	218	0.7	60			4421	
140.0	90	2.2	10	NBR075	90L4	3065	
93.3	130	1.5	15			3509	
70.0	168	1.3	20			3862	
56.0	205	1.0	25			4160	
46.7	233	1.0	30			4421	
280.0	46	3.1	10			NMRV075	90S2
186.7	67	2.2	15	2785			



P1 (Kw)	n2 (rpm)	M2 (Nm)	f.s	l	SIZE	Motor size	Fr2 (N)
1.50	140.0	87	1.8	20	NBR075	90S2	3065
	112.0	106	1.4	25			3302
	93.3	123	1.4	30			3509
	70.0	158	1.0	40			3862
	90.0	138	2.7	10	NBR090	100LA6	3929
	60.0	201	2.1	15			4498
	45.0	258	1.5	20			4951
	36.0	314	1.2	25			5333
	30.0	358	1.3	30			5667
	70.0	172	2.1	20	NBR090	90L4	4273
	56.0	210	1.6	25			4603
	46.7	239	1.7	30			4891
	35.0	307	1.2	40			5383
	28.0	368	0.9	50			5799
	23.3	424	0.8	60			6163
	56.0	194	1.4	50			NBR090
	46.7	227	1.1	60	4891		
	45.0	264	2.7	20	NBR110	100LA6	6256
	36.0	322	2.4	25			6739
	30.0	363	2.3	30			7161
22.5	471	1.7	40	7882			
18.0	565	1.3	50	8491			
15.0	649	1.1	60	9023			
35.0	319	2.2	40	NBR110			90L4
28.0	384	1.7	50		7328		
23.3	442	1.4	60		7787		
17.5	548	0.9	80		8571		
46.7	236	2.0	60		NBR110	90S2	
35.0	299	1.3	80	6803			
28.0	353	1.0	100	7328			
19.3	535	1.9	73	PC090+NBR110	90L4	8298	
14.5	693	1.3	96.8			9133	
11.6	817	1.1	121			9838	
9.6	936	0.8	145.2			10320	
9.3	891	1.4	300	NBR050/110	90S2	10320	
7.0	1153	1.0	400			10320	
5.6	1373	0.8	500			10320	
22.5	478	2.3	40	NBR130	100LA6	10309	
18.0	573	1.8	50			11105	
15.0	659	1.4	60			11801	
11.3	815	1.1	80			12989	
17.5	557	1.5	80			NBR130	90L4
14.0	655	1.1	100	12076			
19.3	542	2.6	73	PC090+NBR130	90L4	10853	
14.5	693	1.9	96.8			11945	
11.6	830	1.5	121			12868	
9.6	936	1.1	145.2			13500	
7.2	1149	0.8	194			13500	



P1 (Kw)	n2 (rpm)	M2 (Nm)	f.s	l	SIZE	Motor size	Fr2 (N)	
1.50	9.3	915	1.9	300	NBR063/130	90S2	13500	
	7.0	1166	1.4	400			13500	
	5.6	1389	1.1	500			13500	
	4.7	1789	1.0	300	NBR063/130	90L4	13500	
	3.5	2279	0.7	400			13500	
	9.3	1026	2.3	150	NBR063/150	90L4	18000	
	7.0	1317	1.8	200			18000	
	5.6	1602	1.3	250			18000	
	4.7	1860	1.3	300			18000	
	3.5	2208	1.2	400			18000	
	2.8	2582	0.9	500			18000	
	2.3	3057	0.9	600			18000	
	2.20	373.3	51	1.8	7.5	NBR063	90L2	1873
		280.0	67	1.5	10			2061
		186.7	97	1.1	15			2359
186.7		100	1.8	7.5	NBR075	100LA4	2785	
140.0		132	1.5	10			3065	
93.3		191	1.0	15			3509	
373.3		51	2.5	7.5	NBR075	90L2	2210	
280.0		68	2.1	10			2433	
186.7		98	1.5	15			2785	
140.0		128	1.3	20			3065	
112.0		156	1.0	25			3302	
93.3		180	0.9	30			3509	
186.7		101	2.9	7.5			NBR090	100LA4
140.0		134	2.3	10	3391			
93.3		194	1.9	15	3882			
70.0		252	1.4	20	4273			
56.0		308	1.1	25	4603			
46.7		351	1.2	30	4891			
120.0		156	2.2	7.5	NBR090	112M6		
90.0		203	1.8	10			3929	
60.0		294	1.4	15			4498	
45.0		378	1.0	20			4951	
140.0		131	2.0	20	NBR090	90L2	3391	
112.0		159	1.6	25			3653	
93.3		185	1.7	30			3882	
70.0		237	1.2	40			4273	
56.0		285	0.9	50			4603	
70.0		255	2.5	20			NBR110	100LA4
56.0		315	2.2	25	5816			
46.7		356	2.0	30	6181			
35.0	468	1.5	40	6803				
28.0	563	1.2	50	7328				
23.3	648	1.0	60	7787				
90.0	205	3.5	10	NBR110	112M6	4965		
60.0	298	2.6	15			5684		
45.0	388	1.9	20			6256		
36.0	473	1.6	25			6739		
30.0	532	1.6	30			7161		



P1 (Kw)	n2 (rpm)	M2 (Nm)	f.s	l	SIZE	Motor size	Fr2 (N)
2.20	112.0	163	3.1	25	NBR110	90L2	4616
	93.3	187	3.0	30			4905
	70.0	246	2.1	40			5399
	56.0	296	1.7	50			5816
	46.7	347	1.4	60			6181
	38.6	398	2.1	73	PC090+NBR110	90L2	6586
	28.9	516	1.5	96.8			7249
	23.1	617	1.2	121			7809
	35.0	468	2.2	40	NBR130	100LA4	8897
	28.0	563	1.7	50			9584
	23.3	648	1.4	60			10185
	17.5	816	1.0	80			11210
	36.0	479	2.2	25	NBR130	112M6	8814
	30.0	546	2.1	30			9366
	22.5	700	1.6	40			10309
	18.0	840	1.2	50			11105
	15.0	966	1.0	60			11801
	35.0	438	1.3	80	NBR130	90L2	8897
	28.0	525	1.0	100			9584
	38.6	409	2.9	73	PC090+NBR130	90L2	8614
28.9	545	2.0	96.8	9481			
23.1	654	1.6	121	10213			
19.3	752	1.3	145.2	10853			
28.0	570	2.5	50	NBR150	100LA4	13103	
23.3	657	1.9	60			13924	
17.5	816	1.4	80			15325	
14.0	960	1.0	100			16508	
3.00	373.3	70	1.9	7.5	NBR075	100LA2	2210
	280.0	92	1.6	10			2433
	186.7	137	1.4	7.5	NBR075	100LB4	2785
	140.0	180	1.1	10			3065
	93.3	261	0.8	15			3509
	373.3	71	3.0	7.5	NBR090	100LA2	2446
	280.0	92	2.6	10			2692
	186.7	138	2.1	7.5	NBR090	100LB4	3081
	140.0	182	1.7	10			3391
	93.3	264	1.4	15			3882
	70.0	344	1.0	20			4273
	56.0	420	0.8	25			4603
	46.7	479	0.9	30			4891
	93.3	264	2.5	15			NBR110
	70.0	348	1.9	20	5399		
	56.0	430	1.6	25	5816		
	46.7	485	1.5	30	6181		
	35.0	638	1.1	40	6803		
	28.0	767	0.9	50	7328		



P1 (Kw)	n2 (rpm)	M2 (Nm)	f.s	l	SIZE	Motor size	Fr2 (N)
3.00	120.0	212	3.1	7.5	NBR110	132S6	4511
	90.0	280	2.5	10			4965
	60.0	406	1.9	15			5684
	45.0	528	1.4	20			6256
	56.0	430	2.2	25	NBR130	100LB4	7607
	46.7	491	2.1	30			8084
	35.0	638	1.6	40			8897
	28.0	767	1.3	50			9584
	23.3	884	1.0	60			10185
	17.5	1113	0.8	80			11210
	90.0	280	3.4	10	NBR130	132S6	6494
	60.0	406	2.6	15			7434
	45.0	535	1.9	20			8182
	36.0	653	1.6	25	NBR130	132S6	8814
	30.0	745	1.6	30			9366
	22.5	955	1.2	40			10309
28.0	778	1.8	50	NBR150	100LB4	13103	
23.3	896	1.4	60			13924	
17.5	1113	1.0	80			15325	
14.0	1310	0.8	100			16508	
4.00	373.3	93	1.4	7.5	NBR075	112M2	2210
	280.0	123	1.2	10			2433
	186.7	182	1.0	7.5	NBR075	112M4	2785
	140.0	240	0.8	10			3065
	373.3	94	2.2	7.5	NBR090	112M2	2446
	280.0	123	1.9	10			2692
	186.7	184	1.6	7.5	NBR090	112M4	3081
	140.0	243	1.3	10			3391
	93.3	352	1.0	15			3882
	70.0	458	0.8	20			4273
	140.0	243	2.5	10	NBR110	112M4	4285
	93.3	352	1.9	15			4905
	70.0	464	1.4	20			5399
	56.0	573	1.2	25			5816
	46.7	647	1.1	30			6181
	120.0	283	2.3	7.5	NBR110	132M6	4511
	90.0	374	1.9	10			4965
	60.0	541	1.4	15			5684
	56.0	573	1.6	25	NBR130	112M4	7607
	46.7	655	1.6	30			8084
	35.0	851	1.2	40			8897
	28.0	1023	1.0	50			9584
	23.3	1179	0.8	60			10185
	120.0	287	3.1	7.5			NBR130
90.0	374	2.6	10	6494			
60.0	541	2.0	15	7434			
45.0	713	1.5	20	8182			
36.0	870	1.2	25	8814			



P1 (Kw)	n2 (rpm)	M2 (Nm)	f.s	l	SIZE	Motor size	Fr2 (N)	
4.00	28.0	1037	1.4	50	NBR150	112M4	13103	
	23.3	1195	1.1	60			13924	
	17.5	1484	0.8	80			15325	
4.80	186.7	221	1.3	7.5	NBR090	112MS4	3081	
	140.0	291	1.1	10			3391	
	93.3	422	0.9	15			3882	
	186.7	221	2.5	7.5	NBR110	112MS4	3893	
	140.0	291	2.1	10			4285	
	93.3	422	1.6	15			4905	
	70.0	557	1.2	20			5399	
	56.0	688	1.0	25			5816	
	56.0	688	1.4	25	NBR130	112MS4	7607	
	46.7	786	1.3	30			8084	
	35.0	1022	1.0	40			8897	
	28.0	1228	0.8	50			9584	
	28.0	1244	1.1	50			13103	
	23.3	1434	0.9	60			13924	
	5.50	186.7	253	2.2	7.5	NBR110	132S4	3893
140.0		334	1.8	10	4285			
93.3		484	1.4	15	4905			
70.0		638	1.0	20	5399			
140.0		334	2.5	10	NBR130	132S4	5605	
93.3		490	1.9	15			6416	
70.0		645	1.4	20			7062	
56.0		788	1.2	25			7607	
46.7		900	1.2	30			8084	
35.0		1171	0.9	40			8897	
70.0		645	2.0	20			NBR150	132S4
56.0		788	1.5	25	10400			
46.7		934	1.3	30	11051			
35.0		1171	1.3	40	12163			
28.0		1426	1.0	50	13103			
23.3		1643	0.8	60	13924			
7.50		186.7	345	1.6	7.5	NBR110	132L4	3893
		140.0	455	1.3	10			4285
	93.3	660	1.0	15	4905			
	186.7	349	2.1	7.5	NBR130	132L4	5092	
	140.0	455	1.8	10			5605	
	93.3	668	1.4	15			6416	
	70.0	880	1.0	20			7062	
	56.0	1074	0.9	25			7607	
	46.7	1228	0.8	30			8084	
	35.0	1596	0.7	40			8897	
	70.0	880	1.5	20	NBR150	132L4	9654	
	56.0	1074	1.1	25			10400	
	46.7	1274	0.9	30			11051	
	35.0	1596	1.0	40			12163	



P1 (Kw)	n2 (rpm)	M2 (Nm)	f.s	l	SIZE	Motor size	Fr2 (N)	
9.20	186.7	424	1.3	7.5	NBR110	132M4	3893	
	186.7	428	1.8	7.5	NBR130	132M4	5092	
	140.0	559	1.5	10			5605	
	93.3	819	1.1	15			6416	
	70.0	1079	0.8	20			7062	
	56.0	1318	0.7	25			7607	
	70.0	1079	1.2	20	NBR150	132M4	9654	
	56.0	1318	0.9	25			10400	
	46.7	1563	0.8	30			11051	
	35.0	1958	0.8	40			12163	
	11.0	186.7	512	2.3	7.5	NBR150	160M4	6962
		140.0	675	1.8	10			7663
		93.3	990	1.3	15			8771
		70.0	1291	1.0	20			9654
56.0		1576	0.8	25			10400	
15.0	186.7	698	1.7	7.5	NBR150	160L4	6962	
	140.0	921	1.3	10			7663	
	93.3	1351	0.9	15			8771	
	70.0	1760	0.7	20			9654	