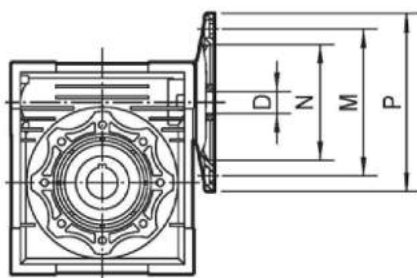


THE CONFIGURATION COMBINE NMRV SPEC WITH MOTORS COUPLING FLANGE AND RATIO



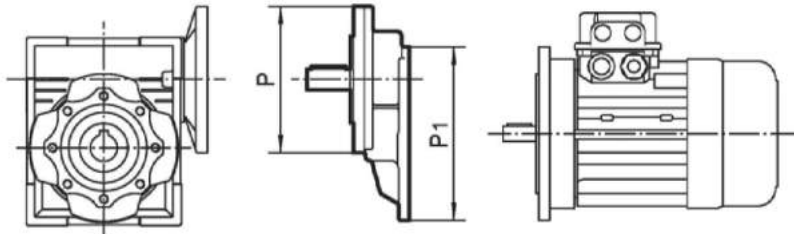
(*) If you want special key , please call our Technical Service

	Motor flange				D The hole diameter of input shaft												
	PAM IEC	P	M	N	i Transmission ratio												
					7.5	10	15	20	25	30	40	50	60	80	100		
NMRV025	56B14	80	65	50	9	9	9	9	9	9	9	9	9				
NMRV030	63B5	140	115	95	11	11	11	11	11	11	11	11					
	63B14	90	75	60													
	56B5	120	100	80	9	9	9	9	9	9	9	9	9	9			
	56B14	80	65	50													
NMRV040	71B5	160	130	110	14	14	14	14	14	14	14						
	71B14	105	85	70													
	63B5	140	115	95	11	11	11	11	11	11	11	11	11	11	11	11	11
	63B14	90	75	60													
	56B5	120	100	80								9	9	9	9		
NMRV050	80B5	200	165	130	19	19	19	19	19	19							
	80B14	120	100	80													
	71B5	160	130	110	14	14	14	14	14	14	14	14	14	14	14		
	71B14	105	85	70													
	63B5	140	115	95								11	11	11	11		
NMRV063	90B5	200	165	130	24	24	24	24	24	24	24						
	90B14	140	115	95													
	80B5	200	165	130	19	19	19	19	19	19	19	19	19	19	19		
	80B14	120	100	80													
	71B5	160	130	110							14	14	14	14	14	14	
	71B14	105	85	70													
NMRV075	100/112B5	250	215	180	28	28	28										
	100/112B14	160	130	110													
	90B5	200	165	130	24	24	24	24	24	24	24						
	90B14	140	115	95													
	80B5	200	165	130				19	19	19	19	19	19	19	19	19	19
	80B14	120	100	80													
	71B5	160	130	110								14	14	14	14	14	
NMRV060	100/112B5	250	215	180	28	28	28	28	28	28							
	100/112B14	160	130	110													
	90B5	200	165	130	24	24	24	24	24	24	24	24	24				
	90B14	140	115	95													
	80B5	200	165	130							19	19	19	19	19	19	
	80B14	120	100	80													
NMRV110	132B5	300	265	230	38*	38*	38*	38*									
	100/112B5	250	215	180	28	28	28	28	28	28	28	28	28				
	90B5	200	165	130					24	24	24	24	24	24	24	24	24
	80B5	200	165	130											19	19	
NMRV130	132B5	300	265	230	38*	38*	38*	38*	38*	38*	38*						
	100/112B5	250	215	180					28	28	28	28	28	28	28	28	28
	90B5	200	165	130											24	24	



PC-NMRV COMBINATIONS

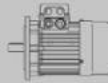
	i	PC 063		PC 071		PC 080			PC 090		
		105 / 11 i = 3	105 / 14 i = 3	120 / 14 i = 3	120 / 19 i = 3	160 / 19 i = 3	160 / 24 i = 3	160 / 28 i = 3	160 / 19 i = 2.42	160 / 24 i = 2.42	160 / 28 i = 2.42
NMRV040	25										
	30										
	40										
	50										
	60										
	80										
	100										
NMRV050	25										
	30										
	40										
	50										
	60										
	80										
	100										
NMRV063	25										
	30										
	40										
	50										
	60										
	80										
	100										
NMRV075	25										
	30										
	40										
	50										
	60										
	80										
	100										
NMRV090	25										
	30										
	40										
	50										
	60										
	80										
	100										
NMRV110	25										
	30										
	40										
	50										
	60										
	80										
	100										
NMRV130	25										
	30										
	40										
	50										
	60										
	80										
	100										



	P	P*	P ₁
PC 063	105 / 11	105 / 14*	63B5 - 140 / 11
PC 071	120 / 14	120 / 19*	71B5 - 160 / 14
PC 080	160 / 19	160 / 24* 160 / 28*	80B5 - 200 / 19
PC 090	160 / 24	160 / 19* 160 / 28*	90B5 - 200 / 24

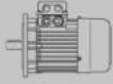
* Only on request

PERFORMANCE PARAMETER

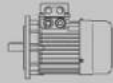
P _{1n} [kW]	n ₂ [1/min]	M _{2n} [Nm]	i	Fr ₂ [N]	f _s			Page 
0.06	186.7	2.6	7.5	503	4.2	NMRV025	5614	
	140	3.4	10	553	3.5			
	93.3	4.9	15	633	2.5			
	70	6.2	20	697	2			
	56	7.5	25	751	1.8			
	46.7	8.3	30	798	1.6			
	35	10	40	878	1.3			
	28	12	50	946	0.9			
	23.3	14	60	1006	0.7			
	186.7	2.6	7.5	683	6.9	NMRV030	5614	
	140	3.3	10	752	5.4			
	93.3	4.7	15	861	3.8			
	70	5.9	20	948	3			
	56	6.8	25	1021	3			
	46.7	7.9	30	1085	2.5			
	35	9.7	40	1194	1.9			
	28	11	50	1286	1.5			
	23.3	12	60	1367	1.3			
	17.5	14	80	1504	0.9			
	14	25	100	1620	1.3	NMRV025/030	5614	
	9.3	33	150	1830	0.9			
	7	41	200	1830	0.7			
	5.6	45	250	1830	0.8			
	4.7	56	300	3490	1.2	NMRV025/040	5614	
	3.5	69	400	3490	0.9			
	2.8	94	500	3490	0.7			
	2.3	100	600	3490	0.6			
	1.9	115	750	3490	0.5			
	1.6	125	900	3490	0.5			
	1.2	153	1200	3490	0.4			
	0.93	185	1500	3490	0.3			
	0.78	198	1800	3490	0.3			
	0.58	247	2400	3490	0.2			
	0.47	280	3000	3490	0.2			
	0.35	295	4000	3490	0.1			
	0.28	348	5000	3490	0.1			
	4.7	55	300	3490	1.3	NMRV030/040	5614	
	3.5	67	400	3490	0.9			
	2.8	88	500	3490	0.6			
	2.3	95	600	3490	0.7			
	1.9	103	750	3490	0.6	NMRV030/040	5614	
	1.6	118	900	3490	0.5			
	1.2	143	1200	3490	0.4			
	0.93	166	1500	3490	0.4			
	0.78	184	1800	3490	0.3			
	0.58	217	2400	3490	0.2	NMRV030/040	5614	
	0.44	247	3200	3490	0.2			
	0.35	278	4000	3490	0.1			
	0.28	327	5000	3490	0.1			



PERFORMANCE PARAMETER

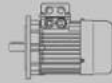
P _{1n} [kW]	n ₂ [1/min]	M _{2n} [Nm]	i	Fr ₂ [N]	f _s			Page
0.06	1.6	118	900	4840	1	NMRV030/050	5614	
	1.2	143	1200	4840	0.7			
	0.93	166	1500	4840	0.7			
	0.78	184	1800	4840	0.7			
	0.58	227	2400	4840	0.5			
	0.47	256	3000	4840	0.4			
	0.35	278	4000	4840	0.3			
	0.29	316	4800	4840	0.3			
	0.93	173	1500	6270	1.1	NMRV030/063	5614	
	0.78	191	1800	6270	0.9			
	0.58	227	2400	6270	0.8			
	0.47	256	3000	6270	0.7			
	0.35	295	4000	6270	0.6			
	0.28	327	5000	6270	0.4			
	0.58	267	2400	7380	1.1	NMRV040/075	5614	
	0.47	305	3000	7380	0.8			
	0.35	360	4000	7380	0.7			
	0.28	409	5000	7380	0.5			
	0.47	329	3000	8180	1.4	NMRV040/090	5614	
	0.35	393	4000	8180	1.3			
	0.28	430	5000	8180	1			
0.09	373.3	2.0	7.5	399	3.9	NMRV025	5612	
	280	2.6	10	439	3.4			
	186.7	3.8	15	503	2.4			
	140	4.9	20	553	1.9			
	112	5.9	25	590	1.5			
	93.3	6.7	30	633	1.3			
	70	8.5	40	697	1.1			
	56	10.0	50	751	0.9			
	186.7	3.9	7.5	503	2.8	NMRV025	5624	
	140	5.1	10	553	2.4			
	93.3	7.3	15	633	1.6			
	70	9.3	20	697	1.3			
	56	11	25	751	1.2			
	46.7	13	30	798	1.1			
	35	16	40	878	0.9			
	373.3	2.0	7.5	542	6.5	NMRV030	5612	
	280	2.6	10	597	5			
	186.7	3.7	15	683	3.5			
	140	4.7	20	752	2.5			
	112	5.5	25	810	2.8			
	93.3	6.4	30	861	2.3			
	70	8.0	40	948	1.7			
	56	9.4	50	1021	1.4			
	46.7	10	60	1085	1.1			
	35	13	80	1194	0.9			

PERFORMANCE PARAMETER

P _{1n} [kW]	n ₂ [1/min]	M _{2n} [Nm]	i	Fr ₂ [N]	f _s			Page
0.09	186.7	3.9	7.5	683	4.6	NMRV025	5624	
	140	5.0	10	752	3.6			
	93.3	7.0	15	861	2.5			
	70	8.8	20	948	2			
	56	10	25	1021	1.9			
	46.7	12	30	1085	1.7			
	35	14	40	1194	1.2			
	28	17	50	1286	1			
	23.3	18	60	1367	0.9			
	28	18	100	1286	1.6	NMRV030	5612	
	18.7	25	150	1472	1.1			
	14	31	200	1620	0.9			
	14	37	100	1620	0.8	NMRV025/030	5624	
	9.3	50	150	1830	0.6			
	7	61	200	1830	0.5			
	5.6	68	250	1830	0.5			
	4.7	77	300	1830	0.4			
	3.5	106	400	1830	0.3			
	2.8	117	500	1830	0.3			
	2.3	135	600	1830	0.2			
	1.9	149	750	1830	0.2			
	1.6	167	900	1830	0.2			
	1.2	201	1200	1830	0.1			
	0.93	231	1500	1830	0.1			
	0.78	264	1800	1830	0.1			
	0.58	311	2400	1830	0.1			
	0.47	347	3000	1830	0.1			
	28	19	50	2475	2	NMRV040	5624	
	23.3	21	60	2630	1.7			
	17.5	25	80	2895	1.3			
	14	29	100	3118	1			
	9.3	43	300	3490	1.6	NMRV025/040	5612	
	7	52	400	3490	1.2			
	5.6	71	500	3490	0.8			
	4.7	82	300	3490	0.8	NMRV030/040	5624	
	3.5	103	400	4840	1.2	NMRV030/050	5624	
	2.8	120	500	4840	1			
	2.3	146	600	4840	0.9			
	1.9	158	750	4840	0.8			
	1.6	177	900	4840	0.7			
	1.6	188	900	6270	1	NMRV030/063	5624	
	1.2	222	1200	6270	0.9			
	0.93	259	1500	6270	0.7			
	0.93	305	1500	7380	1.1	NMRV040/075	5624	
	0.78	331	1800	7380	1			
	0.58	400	2400	7380	0.7			
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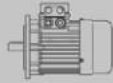


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P _{1n} [kW]	n ₂ [1/min]	M _{2n} [Nm]	i	Fr ₂ [N]	f _s			Page
0.12	373.3	2.7	7.5	399	3	NMRV025	5622	
	280	3.5	10	439	2.6			
	186.7	5.1	15	503	1.8			
	140	6.5	20	553	1.4			
	112	7.9	25	590	1.1			
	93.3	9.0	30	633	1			
	70	11	40	697	0.8	NMRV030	6314	
	186.7	5.2	7.5	683	3.4			
	140	6.6	10	752	2.7			
	93.3	9.3	15	861	1.9			
	70	12	20	948	1.5			
	56	14	25	1021	1.5			
	46.7	16	30	1085	1.3	NMRV040	6314	
	35	19	40	1194	0.9			
	28	22	50	1286	0.8			
	46.7	17	30	2087	2.6			
	35	21	40	2298	1.9			
	28	25	50	2475	1.5			
	23.3	28	60	2630	1.3	PC063 - NMRV040	6314	
	17.5	33	80	2895	1			
	14	38	100	3118	0.8			
	18.7	42	75	2833	1.2			
	15.6	46	90	3011	1.2			
	11.7	57	120	3314	0.9			
	9.3	66	150	3490	0.7	NMRV050	6314	
	7.8	74	180	3490	0.6			
	23.3	29	60	3610	2.3			
	17.5	35	80	3973	1.9			
	14	39	100	4280	1.4			
	9.3	68	150	4840	1.3	PC063 - NMRV050	6314	
	7.8	75	180	4840	1.1			
	5.8	88	240	4840	0.8			
	4.7	98	300	4840	0.7			
	4.7	112	300	4840	1.2	NMRV030/050	6314	
	3.5	138	400	4840	0.9			
	2.8	160	500	4840	0.7			
	5.8	92	240	6270	1.5	PC063 - NMRV063	6314	
	4.7	103	300	6270	1.2			
	2.8	168	500	6270	1.3	NMRV030/063	6314	
	2.3	199	600	6270	1.1			
	1.9	217	750	6270	0.9			
	1.6	279	900	7380	1.2	NMRV040/075	6314	
	1.2	344	1200	7380	0.9			
	0.78	470	1800	8180	0.9	NMRV040/090	6314	
	0.58	593	2400	8180	0.9			
	0.47	731	3000	10320	1.2	NMRV050/110	6314	
	0.35	884	4000	10320	1			
	0.28	1023	5000	10320	0.8			



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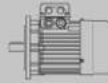
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0.18	373.3	4.0	7.5	542	3.2	NMRV030	6312	
	280	5.2	10	597	2.5			
	186.7	7.4	15	683	1.7			
	140	9.5	20	752	1.3			
	112	11	25	810	1.4			
	93.3	13	30	861	1.1			
	70	16	40	948	0.9			
	186.7	7.7	7.5	683	2.3	NMRV030	6324	
	140	10	10	752	1.8			
	93.3	14	15	861	1.3			
	70	18	20	948	1			
	56	20	25	1021	0.9			
	46.7	24	30	1085	0.8			
	93.3	14	30	1657	2.4	NMRV040	6312	
	70	17	40	1824	1.8			
	56	21	50	1964	1.4			
	70	19	20	1824	2	NMRV040	6324	
	56	23	25	1964	1.7			
	46.7	25	30	2087	1.7			
	35	32	40	2298	1.3			
	28	37	50	2475	1			
	23.3	42	60	2630	0.8			
	45	28	20	2113	1.5	NMRV040	7116	
	36	34	25	2276	1.3			
	30	38	30	2419	1.3			
	22.5	47	40	2662	1			
	18.7	64	75	2833	0.8	PC063 - NMRV040	6324	
	15.6	70	90	3011	0.8			
	11.7	85	120	3314	0.6			
	46.7	24	60	2865	2.1	NMRV050	6312	
	35	30	80	3153	1.5			
	28	34	100	3397	1.2			
	35	33	40	3153	2.3	NMRV050	6324	
	28	39	50	3397	1.9			
	23.3	44	60	3610	1.6			
	17.5	52	80	3973	1.2			
	14	59	100	4280	0.9			
	18	56	50	3936	1.4	NMRV050	7116	
	15	63	60	4183	1.1			
	11.3	75	80	4604	0.9			
	18.7	64	75	3889	1.4	PC063 - NMRV050	6324	
	15.6	71	90	4132	1.5			
	11.7	87	120	4548	1.1			
	9.3	101	150	4840	0.9			
	7.8	113	180	4840	0.7			
	5.8	133	240	4840	0.6			



PERFORMANCE PARAMETER

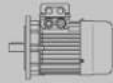
P _{1n} [kW]	n ₂ [1/min]	M _{2n} [Nm]	i	Fr ₂ [N]	f _s			Page
0.18	12	95	75	4506	1.2	PC070 - NMRV050	7116	
	10	105	90	4788	1.4			
	7.5	126	120	4840	1			
	15	66	60	5467	2.1	NMRV063	7116	
	11.3	79	80	6018	1.6			
	9	90	100	6270	1.4			
	9.3	103	150	6270	1.7	PC063 - NMRV063	6324	
	7.8	117	180	6270	1.4			
	5.8	139	240	6270	1			
	4.7	155	300	6270	0.8			
	12	97	75	5889	2.2	PC071 - NMRV063	7116	
	10	107	90	6259	2.4			
	7.5	131	120	6270	1.8			
	6	152	150	6270	1.4			
	5	168	180	6270	1.2			
	3.8	197	240	6270	0.9			
	3	218	300	6270	0.7			
	3.5	216	400	6270	1	NMRV030/063	6324	
	2.8	252	500	6270	0.8			
	5	179	180	7380	1.7	PC071 - NMRV075	7116	
	3.8	211	240	7380	1.2			
	3	235	300	7380	1			
	2.3	336	600	7380	1.1	NMRV040/075	6324	
	1.9	371	750	7380	0.9			
	1.6	419	900	7380	0.8			
	1.2	544	1200	8180	1	NMRV040/090	6324	
	0.93	647	1500	8180	0.8			
	0.78	727	1800	10320	1.5	NMRV050/110	6324	
	0.58	948	2400	10320	1.1			
0.25	373.3	5.6	7.5	542	2.3	NMRV030	6322	
	280	7.2	10	597	1.8			
	186.7	10	15	683	1.3			
	140	13	20	752	0.9			
	112	15	25	810	1			
	93.3	18	30	861	0.8			
	186.7	11	7.5	1315	3.6	NMRV040	7114	
	140	14	10	1447	2.8			
	93.3	20	15	1657	1.9			
	70	26	20	1824	1.5			
	56	32	25	1964	1.2			
	46.7	35	30	2087	1.3			
	35	44	40	2298	0.9			

PERFORMANCE PARAMETER

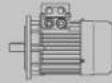
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0.25	120	17	7.5	1524	2.6	NMRV040	7126	
	90	22	10	1677	2			
	60	31	15	1920	1.4			
	45	39	20	2113	1.1			
	36	48	25	2276	0.9			
	30	53	30	2419	0.9			
	35	42	80	3153	1.1	NMRV050	6322	
	28	48	100	3397	0.8			
	70	27	20	2503	2.7	NMRV050	7114	
	56	32	25	2696	2.2			
	46.7	36	30	2865	2.3			
	35	46	40	3153	1.7			
	28	54	50	3397	1.4			
	23.3	60	60	3610	1.1			
	17.5	72	80	3973	0.9			
	45	40	20	2900	1.9	NMRV050	7126	
	36	48	25	3124	1.5			
	30	54	30	3320	1.7			
	22.5	67	40	3654	1.2			
	18	78	50	3936	1			
	15	88	60	4183	0.8			
	18.7	88	75	3889	1	PC071 - NMRV050	7114	
	15.6	98	90	4132	1.1			
	11.7	121	120	4548	0.8			
	28	55	50	4440	2.4	NMRV063	7114	
	23.3	64	60	4719	2			
	17.5	76	80	5193	1.6			
	14	87	100	5595	1.4			
	18	81	50	5145	1.8	NMRV063	7126	
	15	92	60	5467	1.5			
	11.3	110	80	6018	1.2			
	9	125	100	6270	1			
	18.7	91	75	5083	1.8	PC071 - NMRV063	7114	
	15.6	100	90	5401	2			
	11.7	125	120	5945	1.5			
	9.3	143	150	6270	1.2			
	7.8	163	180	6270	1			
	5.8	192	240	6270	0.7			
	4.7	215	300	6270	0.6			
	12	135	75	5889	1.6	PC071 - NMRV063	7126	
	10	148	90	6259	1.8			
	7.5	181	120	6270	1.3			
	6	211	150	6270	1			
	7	150	400	6270	1.4	NMRV030/063	6322	
	5.6	175	500	6270	1.2			
	17.5	80	80	6130	2.3	NMRV075	7114	
	14	94	100	6603	1.9			



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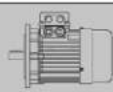
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0.25	11.3	116	80	7103	1.7	NMRV075	7126	
	9	133	100	7380	1.4			
	9.3	151	150	7380	1.7	PC071 - NMRV075	7114	
	7.8	172	180	7380	1.4			
	5.8	201	240	7380	1.1			
	4.7	230	300	7380	0.9			
	12	139	75	6952	2.4	PC071 - NMRV075	7126	
	10	155	90	7380	2.5			
	7.5	191	120	7380	1.9			
	6	219	150	7380	1.5			
	5	248	180	7380	1.2			
	3.5	321	400	7380	1.1	NMRV040/075	7114	
	2.8	375	500	7380	0.8			
	5	263	180	8180	1.9	PC071 - NMRV090	7126	
	3.8	318	240	8180	1.4			
	3	358	300	8180	1.1			
	2.3	488	600	8180	1.2	NMRV040/090	7114	
	1.9	553	750	8180	0.9			
	1.6	612	900	8180	0.8			
	1.2	776	1200	10320	1.3	NMRV050/110	7114	
	0.93	924	1500	10320	1.2			
	0.78	1010	1800	10320	1.1			
	0.58	1358	2400	13500	1	NMRV063/130	7114	
	0.47	1626	3000	13500	0.8			
	0.35	1910	4000	13500	0.6			
	0.28	2132	5000	13500	0.5			
0.37	373.3	8.3	7.5	1044	3.3	NMRV040	7112	
	280	11	10	1149	2.6			
	186.7	16	15	1315	1.9			
	140	20	20	1447	1.4			
	112	25	25	1559	1.1			
	186.7	16	7.5	1315	2.4	NMRV040	7124	
	140	21	10	1447	1.9			
	93.3	30	15	1657	1.3			
	70	39	20	1824	1			
	56	47	25	1964	0.8			
	46.7	52	30	2087	0.8			
	112	25	25	2140	2	NMRV050	7112	
	93.3	29	30	2274	2.2			
	70	37	40	2503	1.6			
	56	44	50	2696	1.2			
	46.7	50	60	2865	1			
	35	62	80	3153	0.7			

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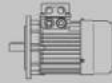
P _{1n} [kW]	n ₂ [1/min]	M _{2n} [Nm]	i	Fr ₂ [N]	f _s			Page 
0.37	140	21	10	1987	3.3	NMRV050	7124	
	93.3	31	15	2274	2.4			
	70	39	20	2503	1.8			
	56	47	25	2696	1.5			
	46.7	54	30	2865	1.5			
	35	68	40	3153	1.1			
	28	80	50	3397	0.9			
	23.3	89	60	3610	0.8			
	120	25	7.5	2091	3.3	NMRV050	8016	
	90	33	10	2302	2.5			
	60	47	15	2635	1.8			
	45	59	20	2900	1.3			
	36	72	25	3124	1			
	30	80	30	3320	1.1			
	35	70	40	4122	2.1	NMRV063	7124	
	28	82	50	4440	1.6			
	23.3	94	60	4719	1.4			
	17.5	113	80	5193	1.1			
	14	129	100	5595	0.9			
	45	60	20	3791	2.4	NMRV063	8016	
	36	73	25	4084	1.9			
	30	82	30	4339	2.1			
	22.5	102	40	4776	1.6			
	18	120	50	5145	1.2			
	15	137	60	5467	1			
	18.7	134	75	5083	1.2	PC071 - NMRV063	7124	
	15.6	148	90	5401	1.4			
	11.7	185	120	5945	1			
	9.3	212	150	6270	0.8			
	9.3	182	300	6270	1.3	NMRV030/063	7112	
	7	222	400	6270	1			
	23.3	97	60	5569	2	NMRV075	7124	
	17.5	119	80	6130	1.6			
	14	139	100	6603	1.3			
	18	124	50	6073	1.8	NMRV075	8016	
	15	141	60	6453	1.5			
	11.3	172	80	7103	1.2			
	9	196	100	7380	1			
	18.7	138	75	6000	1.8	PC071 - NMRV075	7124	
	15.6	154	90	6375	1.9			
	11.7	191	120	7017	1.5			
	9.3	223	150	7380	1.1			
	7.8	254	180	7380	0.9			
	12	206	75	6952	1.6	PC080 - NMRV075	8016	
	10	230	90	7380	1.7			
	7.5	283	120	7380	1.3			
6	324	150	7380	1				



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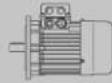
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0.37	4.7	383	300	7380	1	NMRV040/075	7124	
	3.5	474	400	7380	0.7			
	11.3	184	80	7859	1.7	NMRV090	8016	
	9	212	100	8180	1.3			
	7.8	268	180	8180	1.5	PC071 - NMRV090	7124	
	5.8	321	240	8180	1.1			
	4.7	371	300	8180	0.9			
	6	347	150	8180	1.6	PC080 - NMRV090	8016	
	5	389	180	8180	1.3			
	3.8	471	240	8180	1			
	4.7	406	300	8180	1.5	NMRV040/090	7124	
	3.5	505	400	8180	1.2			
	2.8	593	500	8180	0.9			
	2.3	722	600	8180	0.8			
	3.8	509	240	10320	1.6	PC080 - NMRV110	8016	
	3	577	300	10320	1.3			
	1.9	837	750	10320	1.3	NMRV050/110	7124	
	1.6	928	900	10320	1.2			
	1.2	1148	1200	10320	0.8			
	0.93	1444	1500	13500	1.1	NMRV063/130	7124	
	0.78	1586	1800	13500	0.9			
0.55	373.3	12	7.5	1044	2.2	NMRV040	7122	
	280	16	10	1149	1.8			
	186.7	24	15	1315	1.3			
	140	30	20	1447	0.9			
	112	37	25	1559	0.8			
	140	31	20	1987	1.7	NMRV050	7122	
	112	38	25	2140	1.4			
	93.3	43	30	2274	1.5			
	70	55	40	2503	1.1			
	56	65	50	2696	0.8			
	46.7	74	60	2865	0.7			
	186.7	24	7.5	1805	2.9	NMRV050	8014	
	140	32	10	1987	2.2			
	93.3	46	15	2274	1.6			
	70	59	20	2503	1.2			
	56	70	25	2696	1			
	46.7	80	30	2865	1			
	120	37	7.5	2091	2.2	NMRV050	8026	
	90	48	10	2302	1.7			
	60	69	15	2635	1.2			
	45	88	20	2900	0.9			

PERFORMANCE PARAMETER

P _{1n} [kW]	n ₂ [1/min]	M _{2n} [Nm]	i	Fr ₂ [N]	f _s			Page 
0.55	70	56	40	3272	1.9	NMRV063	7122	
	56	68	50	3524	1.5			
	46.7	78	60	3745	1.2			
	35	96	80	4122	0.9			
	28	111	100	4440	0.7			
	70	60	20	3272	2.2	NMRV063	8014	
	56	72	25	3524	1.8			
	46.7	82	30	3745	1.9			
	35	104	40	4122	1.4			
	28	122	50	4440	1.1			
	23.3	140	60	4719	0.9			
	60	70	15	3444	2.2	NMRV063	8026	
	45	90	20	3791	1.6			
	36	108	25	4084	1.3			
	30	123	30	4339	1.4			
	22.5	152	40	4776	1.1			
	35	99	80	4865	1.3	NMRV075	7122	
	28	116	100	5241	1			
	35	108	40	4865	2	NMRV075	8014	
	28	128	50	5241	1.6			
	23.3	144	60	5569	1.4			
	17.5	177	80	6130	1.1			
	14	206	100	6603	0.9			
	30	124	30	5122	2	NMRV075	8026	
	22.5	156	40	5637	1.5			
	18	184	50	6073	1.2			
	15	210	60	6453	1			
	18.7	205	75	6000	1.2	PC080 - NMRV075	8014	
	15.6	230	90	6375	1.3			
	11.7	284	120	7017	1			
	9.3	332	150	7380	0.8			
	12	306	75	6952	1.1	PC080 - NMRV075	8026	
	10	341	90	7380	1.1			
	17.5	189	80	6783	1.5	NMRV090	8014	
	14	221	100	7306	1.2			
	18	196	50	6719	2	NMRV090	8026	
	15	224	60	7140	1.6			
	11.3	274	80	7859	1.1			
	9	315	100	8180	0.9			
	15.6	240	90	7054	2.3	PC080 - NMRV090	8014	
	11.7	297	120	7764	1.6			
	9.3	355	150	8180	1.3			
7.8	398	180	8180	1				

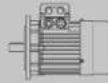


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0.55	10	357	90	8174	2	PC080 - NMRV090	8026	
	7.5	441	120	8180	1.4			
	6	516	150	8180	1.1			
	5	578	180	8180	0.9			
	9.3	305	300	8180	2	NMRV040/090	7122	
	7	375	400	8180	1.5			
	5.6	441	500	8180	1.2			
	17.5	201	80	8571	2.6	NMRV110	8014	
	14	236	100	9232	2			
	11.3	293	80	9931	1.9	NMRV110	8026	
	9	344	100	10320	1.5			
	7.8	425	180	10320	1.8	PC080 - NMRV110	8014	
	5.8	513	240	10320	1.3			
	4.7	597	300	10320	1			
	7.5	462	120	10320	2.6	PC080 - NMRV110	8026	
	6	552	150	10320	2			
	5	620	180	10320	1.6			
	3.8	756	240	10320	1.1			
	4.7	615	300	10320	2	NMRV050/110	8014	
	3.5	810	400	10320	1.4			
	2.8	938	500	10320	1.1			
	2.3	1096	600	10320	1			
	1.9	1244	750	10320	0.9			
	3.8	756	240	13500	1.6	PC080 - NMRV130	8026	
	3	858	300	13500	1.3			
	2.8	957	500	13500	1.6	NMRV063/130	8014	
	1.9	1382	750	13500	1.2			
	1.2	2057	1200	13500	0.8			
0.75	373.3	17	7.5	1433	3	NMRV050	8012	
	280	22	10	1577	2.4			
	186.7	31	15	1805	1.7			
	140	41	20	1987	1.3			
	112	49	25	2140	1			
	93.3	56	30	2274	1.1			
	186.7	33	7.5	1805	2.1	NMRV050	8024	
	140	43	10	1987	1.6			
	93.3	62	15	2274	1.2			
	70	80	20	2503	0.9			
	140	43	20	2597	2.3	NMRV063	8012	
	112	52	25	2797	1.8			
	93.3	60	30	2973	2			
	70	77	40	3272	1.4			
	56	92	50	3524	1.1			
	46.7	106	60	3745	0.9			

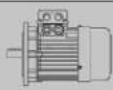


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P _{1n} [kW]	n ₂ [1/min]	M _{2n} [Nm]	i	Fr ₂ [N]	f _s			Page
0.75	93.3	63	15	2973	2.2	NMRV063	8024	
	70	82	20	3272	1.6			
	56	98	25	3524	1.3			
	46.7	112	30	3745	1.4			
	35	141	40	4122	1			
	120	51	7.5	2734	2.9	NMRV063	90S6	
	90	67	10	3009	2.3			
	60	96	15	3444	1.6			
	45	123	20	3791	1.2			
	36	147	25	4084	0.9			
	30	167	30	4339	1			
	46.7	107	60	4421	1.3	NMRV075	8012	
	28	159	100	5241	0.8			
	56	101	25	4160	2	NMRV075	8024	
	46.7	117	30	4421	2			
	35	147	40	4865	1.5			
	28	174	50	5241	1.2			
	23.3	197	60	5569	1			
	60	97	15	4065	2.4	NMRV075	90S6	
	45	124	20	4474	1.9			
	36	149	25	4820	1.4			
	30	170	30	5122	1.5			
	22.5	213	40	5637	1.1			
	18.7	280	75	6000	0.9	PC080 - NMRV075	8024	
	15.6	313	90	6375	1			
	35	143	80	5383	1.6	NMRV090	8012	
	28	169	100	5799	1.2			
	28	182	50	5799	1.8	NMRV090	8024	
	23.3	209	60	6163	1.5			
	17.5	258	80	6783	1.1			
	14	302	100	7306	0.9			
	30	179	30	5667	2.6	NMRV090	90S6	
	22.5	226	40	6238	1.8			
	18	267	50	6719	1.4			
	15	306	60	7140	1.1			
	15.6	327	90	7054	1.7	PC080 - NMRV090	8024	
	11.7	405	120	7764	1.2			
	9.3	483	150	8180	0.9			
	7.8	543	180	8180	0.7			
	7	512	400	8180	1.1	NMRV040/090	8012	
	5.6	601	500	8180	0.9			
	17.5	274	80	8571	1.9	NMRV110	8024	
	14	322	100	9232	1.5			

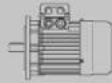


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P _{1n} [kW]	n ₂ [1/min]	M _{2n} [Nm]	i	Fr ₂ [N]	f _s			Page
0.75	15	325	60	9023	2.1	NMRV110	90S6	
	11.3	399	80	9931	1.4			
	9	470	100	10320	1.1			
	11.7	430	120	9811	2.2	PC080 - NMRV110	8024	
	9.3	506	150	10320	1.7			
	7.8	580	180	10320	1.3			
	5.8	700	240	10320	0.9			
	12.4	393	73	9614	3.2	PC090 - NMRV110	90S6	
	9.3	508	96.8	10320	2.3			
	7.4	607	121	10320	1.8			
	6.2	682	145.2	10320	1.5			
	4.6	832	193.6	10320	1			
	9.3	424	300	10320	2.8	NMRV050/110	8012	
	7	553	400	10320	2.1			
	5.6	640	500	10320	1.6			
	4.7	838	300	10320	1.5	NMRV050/110	8024	
	3.5	1105	400	10320	1.1			
	11.3	399	80	12989	2.1	NMRV130	90S6	
	9	470	100	13500	1.7			
	5.8	712	240	13500	1.4	PC080 - NMRV130	8024	
	4.7	813	300	13500	1.1			
	12.4	399	73	12575	4.4	PC090 - NMRV130	90S6	
	9.3	508	96.8	13500	3.2			
	7.4	607	121	13500	2.6			
	6.2	682	145.2	13500	2.1			
	4.6	832	193.6	13500	1.5			
	3.7	944	242	13500	1.2			
	2.8	1305	500	13500	1.1			
	2.3	1557	600	13500	1	NMRV063/130	8024	
	1.9	1772	750	13500	0.9			
	1.6	2014	900	13500	0.8			
1.1	373.3	25	7.5	1433	2.1	NMRV050	8022	
	280	33	10	1577	1.6			
	186.7	48	15	1805	1.2			
	140	62	20	1987	0.9			
	186.7	46	15	2359	2.1	NMRV063	8022	
	140	60	20	2597	1.6			
	112	72	25	2797	1.2			
	93.3	82	30	2973	1.4			
	70	104	40	3272	1			
	120	75	7.5	2734	2	NMRV063	90L6	
	90	98	10	3009	1.5			
	60	140	15	3444	1.1			
	45	180	20	3791	0.8			

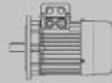


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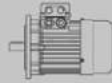
P _{1n} [kW]	n ₂ [1/min]	M _{2n} [Nm]	i	Fr ₂ [N]	f _s			Page
1.1	186.7	50	7.5	2359	2.6	NMRV063	90S4	
	140	65	10	2597	2			
	93.3	92	15	2973	1.5			
	70	120	20	3272	1.1			
	56	144	25	3524	0.9			
	46.7	164	30	3745	1			
	112	77	25	3302	1.9	NMRV075	8022	
	93.3	89	30	3509	1.9			
	70	114	40	3862	1.4			
	56	137	50	4160	1.1			
	46.7	157	60	4421	0.9			
	90	98	10	3551	2.3	NMRV075	90L6	
	60	142	15	4065	1.6			
	45	182	20	4474	1.3			
	36	219	25	4820	1			
	30	249	30	5122	1			
	93.3	95	15	3509	2.1	NMRV075	90S4	
	70	122	20	3862	1.7			
	56	148	25	4160	1.3			
	46.7	171	30	4421	1.3			
	35	216	40	4865	1			
	35	210	80	5383	1.1	NMRV090	8022	
	28	248	100	5799	0.8			
	36	228	25	5333	1.6	NMRV090	90L6	
	30	263	30	5667	1.8			
	22.5	331	40	6238	1.2			
	18	391	50	6719	1			
	15	448	60	7140	0.8			
	35	222	40	5383	1.6	NMRV090	90S4	
	28	266	50	5799	1.3			
	23.3	307	60	6163	1			
	22.5	345	40	7882	2.3	NMRV110	90L6	
	18	414	50	8491	1.8			
	15	476	60	9023	1.4			
	11.3	586	80	9931	1			
	28	278	50	7328	2.3	NMRV110	90S4	
	23.3	325	60	7787	1.9			
	17.5	402	80	8571	1.3			
	14	473	100	9232	1			
	12.4	576	73	9614	2.2	PC090 - NMRV110	90L6	
	9.3	746	96.8	10320	1.6			
	7.4	890	121	10320	1.2			
	6.2	1000	145.2	10320	1			
	19.3	392	73	8298	2.5	PC090 - NMRV110	90S4	
	14.5	508	96.8	9133	1.8			



PERFORMANCE PARAMETER

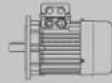
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1.1	11.6	599	121	9838	1.5	PC090 - NMRV110	90S4	
	9.6	686	145.2	10320	1.1			
	7.2	828	193.6	10320	0.8			
	9.3	621	300	10320	1.9	NMRV050/110	8022	
	7	810	400	10320	1.4			
	5.6	938	500	10320	1.1			
	11.3	586	80	12989	1.4	NMRV130	90L6	
	9	689	100	13500	1.1			
	17.5	408	80	11210	2.1	NMRV130	90S4	
	14	480	100	12076	1.5			
	12.4	585	73	12575	3	PC090 - NMRV130	90L6	
	9.3	746	96.8	13500	2.2			
	7.4	890	121	13500	1.7			
	6.2	1000	145.2	13500	1.4			
	4.6	1220	193.6	13500	1			
	19.3	398	73	10853	3.5	PC090 - NMRV130	90S4	
	14.5	508	96.8	11945	2.6			
	11.6	608	121	12868	2			
	9.6	686	145.2	13500	1.6			
	7.2	843	193.6	13500	1.2			
	5.8	962	242	13500	0.9			
	4.7	1274	300	13500	1.3	NMRV063/130	90S4	
	3.5	1621	400	13500	1			
	2.8	1913	500	13500	0.8			
1.5	373.3	34	7.5	1433	1.5	NMRV050	80C2	
	280	45	10	1577	1.2			
	186.7	65	15	1805	0.9			
	186.7	68	7.5	2359	1.9	NMRV063	90L4	
	140	88	10	2597	1.5			
	93.3	126	15	2973	1.1			
	70	164	20	3272	0.8			
	373.3	35	7.5	1873	2.7	NMRV063	90S2	
	280	45	10	2061	2.1			
	186.7	66	15	2359	1.6			
	140	86	20	2597	1.2			
	112	105	25	2797	0.9			
	93.3	120	30	2973	1			
	120	103	7.5	3227	2	NMRV075	100L6	
	90	134	10	3551	1.7			
	60	193	15	4065	1.2			
	56	187	50	4160	0.8	NMRV075	90S2	
	46.7	215	60	4421	0.7			

PERFORMANCE PARAMETER

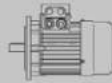
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1.5	140	89	10	3065	2.2	NMRV075	90L4	
	93.3	129	15	3509	1.5			
	70	166	20	3862	1.3			
	56	202	25	4160	1			
	46.7	233	30	4421	1			
	280	45	10	2433	3.1	NMRV075	90S2	
	186.7	66	15	2785	2.2			
	140	86	20	3065	1.8			
	112	105	25	3302	1.4			
	93.3	121	30	3509	1.4			
	70	156	40	3862	1			
	90	137	10	3929	2.7	NMRV090	100L6	
	60	198	15	4498	2.1			
	45	258	20	4951	1.5			
	36	310	25	5333	1.2			
	30	358	30	5667	1.3			
	70	170	20	4273	2.1	NMRV090	90L4	
	56	207	25	4603	1.6			
	46.7	239	30	4891	1.7			
	35	303	40	5383	1.2			
	28	363	50	5799	0.9			
	23.3	418	60	6163	0.8			
	56	197	50	4603	1.4	NMRV090	90S2	
	46.7	227	60	4891	1.1			
	45	264	20	6256	2.7	NMRV110	100L6	
	36	322	25	6739	2.4			
	30	363	30	7161	2.3			
	22.5	471	40	7882	1.7			
	18	565	50	8491	1.3			
	15	649	60	9023	1.1			
	35	315	40	6803	2.2	NMRV110	90L4	
	28	379	50	7328	1.7			
	23.3	443	60	7787	1.4			
	17.5	548	80	8571	0.9			
	46.7	236	60	6181	2	NMRV110	90S2	
	35	299	80	6803	1.3			
	28	358	100	7328	1			
	19.3	535	73	8298	1.9	PC090 - NMRV110	90L4	
	14.5	693	96.8	9133	1.3			
	11.6	817	121	9838	1.1			
	9.6	936	145.2	10320	0.8			
	9.3	847	300	10320	1.4	NMRV050/110	90S2	
	7	1105	400	10320	1			
	5.6	1279	500	10320	0.8			



PERFORMANCE PARAMETER

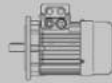
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1.5	22.5	471	40	10309	2.3	NMRV130	100L6	
	18	565	50	11105	1.8			
	15	659	60	11801	1.4			
	11.3	799	80	12989	1.1			
	17.5	557	80	11210	1.5	NMRV130	90L4	
	14	655	100	12076	1.1			
	19.3	542	73	10853	2.6	PC090 - NMRV130	90L4	
	14.5	693	96.8	11945	1.9			
	11.6	830	121	12868	1.5			
	9.6	936	145.2	13500	1.1			
	7.2	1149	194	13500	0.8			
	9.3	878	300	13500	1.9	NMRV063/130	90S2	
	7	1105	400	13500	1.4			
	5.6	1305	500	13500	1.1			
	4.7	1737	300	13500	1	NMRV063/130	90L4	
	3.5	2210	400	13500	0.7			
2.2	373.3	51	7.5	1873	1.8	NMRV063	90L2	
	280	66	10	2061	1.5			
	186.7	97	15	2359	1.1			
	186.7	99	7.5	2785	1.8	NMRV075	100LA4	
	140	131	10	3065	1.5			
	93.3	189	15	3509	1			
	373.3	50	7.5	2210	2.5	NMRV075	90L2	
	280	66	10	2433	2.1			
	186.7	97	15	2785	1.5			
	140	126	20	3065	1.3			
	112	154	25	3302	1			
	93.3	178	30	3509	0.9			
	186.7	100	7.5	3081	2.9	NMRV090	100LA4	
	140	132	10	3391	2.3			
	93.3	191	15	3882	1.9			
	70	249	20	4273	1.4			
	56	304	25	4603	1.1			
	46.7	351	30	4891	1.2			
	120	154	7.5	3570	2.2	NMRV090	112M6	
	90	201	10	3929	1.8			
	60	291	15	4498	1.4			
	45	378	20	4951	1			
	140	129	20	3391	2	NMRV090	90L2	
	112	159	25	3653	1.6			
	93.3	185	30	3882	1.7			
	70	237	40	4273	1.2			
	56	289	50	4603	0.9			

PERFORMANCE PARAMETER

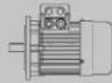
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2.2	70	255	20	5399	2.5	NMRV110	100LA4	
	56	311	25	5816	2.2			
	46.7	355	30	6181	2			
	35	462	40	6803	1.5			
	28	555	50	7328	1.2			
	23.3	649	60	7787	1			
	90	203	10	4965	3.5	NMRV110	112M6	
	60	294	15	5684	2.6			
	45	388	20	6256	1.9			
	36	473	25	6739	1.6			
	30	532	30	7161	1.6			
	112	161	25	4616	3.1	NMRV110	90L2	
	93.3	187	30	4905	3			
	70	243	40	5399	2.1			
	56	296	50	5816	1.7			
	46.7	346	60	6181	1.4			
	38.6	398	73	6586	2.1	PC090 - NMRV110	90L2	
	28.9	516	96.8	7249	1.5			
	23.1	617	121	7809	1.2			
	35	468	40	8897	2.2	NMRV130	100LA4	
	28	563	50	9584	1.7			
	23.3	658	60	10185	1.4			
	17.5	816	80	11210	1			
	36	473	25	8814	2.2	NMRV130	112M6	
	30	539	30	9366	2.1			
	22.5	691	40	10309	1.6			
	18	829	50	11105	1.2			
	15	966	60	11801	1			
	35	444	80	8897	1.3	NMRV130	90L2	
	28	525	100	9584	1			
	38.6	409	73	8614	2.9	PC090 - NMRV130	90L2	
	28.9	545	96.8	9481	2			
	23.1	654	121	10213	1.6			
	19.3	752	145.2	10853	1.3			
3.0	373.3	68	7.5	2210	1.9	NMRV075	100L2	
	280	90	10	2433	1.6			
	186.7	135	7.5	2785	1.4	NMRV075	100LB4	
	140	178	10	3065	1.1			
	93.3	258	15	3509	0.8			
	373.3	70	7.5	2446	3	NMRV090	100L2	
	280	92	10	2692	2.6			
	186.7	137	7.5	3081	2.1	NMRV090	100LB4	
	140	180	10	3391	1.7			
	93.3	261	15	3882	1.4			



PERFORMANCE PARAMETER

P _{1n} [kW]	n ₂ [1/min]	M _{2n} [Nm]	i	Fr ₂ [N]	f _s			Page
3.0	70	340	20	4273	1	NMRV090	100LB4	
	56	414	25	4603	0.8			
	46.7	479	30	4891	0.9			
	93.3	264	15	4905	2.5	NMRV110	100LB4	
	70	348	20	5399	1.9			
	56	425	25	5816	1.6			
	46.7	485	30	6181	1.5			
	35	630	40	6803	1.1			
	28	757	50	7328	0.9			
	120	210	7.5	4511	3.1	NMRV110	132S6	
	90	277	10	4965	2.5			
	60	401	15	5684	1.9			
	45	528	20	6256	1.4			
	56	430	25	7607	2.2	NMRV130	100LB4	
	46.7	491	30	8084	2.1			
	35	638	40	8897	1.6			
	28	767	50	9584	1.3			
	23.3	898	60	10185	1			
	17.5	1113	80	11210	0.8			
	90	277	10	6494	3.4	NMRV130	132S6	
	60	406	15	7434	2.6			
	45	528	20	8182	1.9			
	36	645	25	8814	1.6			
	30	735	30	9366	1.6			
	22.5	942	40	10309	1.2			
4.0	373.3	91	7.5	2210	1.4	NMRV075	112M2	
	280	120	10	2433	1.2			
	186.7	180	7.5	2785	1	NMRV075	112M4	
	140	237	10	3065	0.8			
	373.3	93	7.5	2446	2.2	NMRV090	112M2	
	280	123	10	2692	1.9			
	186.7	182	7.5	3081	1.6	NMRV090	112M4	
	140	240	10	3391	1.3			
	93.3	348	15	3882	1			
	70	453	20	4273	0.8			
	140	240	10	4285	2.5	NMRV110	112M4	
	93.3	352	15	4905	1.9			
	70	464	20	5399	1.4			
	56	566	25	5816	1.2			
	46.7	646	30	6181	1.1			
	120	280	7.5	4511	2.3	NMRV110	132MA6	
	90	369	10	4965	1.9			
	60	535	15	5684	1.4			

PERFORMANCE PARAMETER

P _{1n} [kW]	n ₂ [1/min]	M _{2n} [Nm]	i	Fr ₂ [N]	f _s			Page
4.0	56	573	25	7607	1.6	NMRV130	112M4	
	46.7	654	30	8084	1.6			
	35	851	40	8897	1.2			
	28	1023	50	9584	1			
	23.3	1197	60	10185	0.8			
	120	283	7.5	5901	3.1	NMRV130	132MA6	
	90	369	10	6494	2.6			
	60	541	15	7434	2			
	45	705	20	8182	1.5			
	36	860	25	8814	1.2			
5.5	186.7	250	7.5	3893	2.2	NMRV110	132S4	
	140	330	10	4285	1.8			
	93.3	484	15	4905	1.4			
	70	638	20	5399	1			
	140	334	10	5605	2.5	NMRV130	132S4	
	93.3	490	15	6416	1.9			
	70	638	20	7062	1.4			
	56	788	25	7607	1.2			
	46.7	900	30	8084	1.2			
	35	1171	40	8897	0.9			
7.5	186.7	341	7.5	3893	1.6	NMRV110	132M4	
	140	450	10	4285	1.3			
	93.3	660	15	4905	1			
	186.7	345	7.5	5092	2.1	NMRV130	132M4	
	140	455	10	5605	1.8			
	93.3	668	15	6416	1.4			
	70	870	20	7062	1			
	56	1074	25	7607	0.9			
	46.7	1227	30	8084	0.8			
	35	1596	40	8897	0.7			



NRV.. ($n_1=2800$)

M _{2n} [Nm]	i	P _{1n} [kW]	n ₂ [1/min]	Fr ₂ [N]	Fr ₁ [N]		Page 
13	7.5	0.58	373.3	542	125	NRV030	
13	10	0.45	280	597	140		
13	15	0.31	186.7	683	140		
12	20	0.23	140	752	146		
15	25	0.25	112	810	210		
15	30	0.21	93.3	861	210		
14	40	0.16	70	948	127		
12	50	0.12	56	1021	128		
12	60	0.1	46.7	1085	126		
11	80	0.08	35	1194	130		
27	7.5	1.2	373.3	1044	233	NRV040	
30	10	1.0	280	1149	272		
31	15	0.72	186.7	1315	291		
29	20	0.52	140	1447	204		
28	25	0.42	112	1559	236		
34	30	0.44	93.3	1657	350		
31	40	0.32	70	1824	350		
30	50	0.26	56	1964	350		
27	60	0.21	46.7	2087	350		
25	80	0.16	35	2298	350		
22	100	0.12	28	2475	350		
52	7.5	2.3	373.3	1433	324	NRV050	
53	10	1.8	280	1577	378		
57	15	1.3	186.7	1805	399		
53	20	0.95	140	1987	417		
51	25	0.75	112	2140	482		
65	30	0.82	93.3	2274	490		
59	40	0.59	70	2503	490		
53	50	0.45	56	2696	490		
50	60	0.37	46.7	2865	490		
45	80	0.27	35	3153	490		
40	100	0.21	28	3397	490		
92	7.5	4.0	373.3	1873	395	NRV063	
96	10	3.2	280	2061	463		
101	15	2.3	186.7	2359	492		
97	20	1.7	140	2597	538		
91	25	1.3	112	2797	593		
120	30	1.5	93.3	2973	700		
113	40	1.1	70	3272	700		
102	50	0.83	56	3524	700		
96	60	0.68	46.7	3745	700		
86	80	0.49	35	4122	700		
74	100	0.37	28	4440	700		

NRV.. (n₁=2800)

M _{2n} [Nm]	i	P _{1n} [kW]	n ₂ [1/min]	Fr ₂ [N]	Fr ₁ [N]		Page -----
128	7.5	5.6	373.3	2210	560	NRV075	
141	10	4.7	280	2433	703		
150	15	3.4	186.7	2785	727		
160	20	2.8	140	3065	872		
147	25	2.1	112	3302	980		
170	30	2.1	93.3	3509	980		
166	40	1.6	70	3862	980		
149	50	1.2	56	4160	980		
143	60	1.0	46.7	4421	980		
130	80	0.72	35	4865	980		
123	100	0.58	28	5241	980		
207	7.5	8.9	373.3	2446	715	NRV090	
236	10	7.7	280	2692	900		
270	15	6.0	186.7	3081	1034		
258	20	4.4	140	3391	1120		
246	25	3.4	112	3653	1270		
311	30	3.7	93.3	3882	1270		
280	40	2.6	70	4273	1270		
263	50	2.0	56	4603	1270		
242	60	1.6	46.7	4891	1270		
229	80	1.2	35	5383	1270		
203	100	0.9	28	5799	1270		
386	7.5	16.6	373.3	3090	950	NRV110	
433	10	14.1	280	3401	1194		
482	15	10.7	186.7	3893	1337		
475	20	8.0	140	4285	1485		
499	25	6.8	112	4616	1700		
552	30	6.5	93.3	4905	1700		
519	40	4.7	70	5399	1700		
498	50	3.7	56	5816	1700		
472	60	3.0	46.7	6181	1700		
398	80	2.0	35	6803	1700		
382	100	1.6	28	7328	1700		
514	7.5	22.1	373.3	4042	1190	NRV130	
574	10	18.7	280	4449	1493		
669	15	14.7	186.7	5092	1725		
660	20	11	140	5605	1912		
660	25	9.0	112	6038	2100		
774	30	9.0	93.3	6416	2100		
727	40	6.5	70	7062	2100		
696	50	5.1	56	7607	2100		
638	60	4.0	46.7	8084	2100		
606	80	3.0	35	8897	2100		
525	100	2.2	28	9584	2100		



NRV.. ($n_1=1400$)

M _{2n} [Nm]	i	P _{1n} [kW]	n ₂ [1/min]	Fr ₂ [N]	Fr ₁ [N]		Page 
18	7.5	0.41	186.7	683	150	NRV030	
18	10	0.32	140	752	169		
18	15	0.23	93.3	861	169		
18	20	0.18	70	948	190		
20	25	0.18	56	1021	210		
20	30	0.15	46.7	1085	210		
18	40	0.11	35	1194	210		
17	50	0.09	28	1286	210		
16	60	0.08	23.3	1367	210		
12	80	0.05	17.5	1504	210		
40	7.5	0.9	186.7	1315	294	NRV040	
40	10	0.69	140	1447	331		
39	15	0.48	93.3	1657	331		
39	20	0.37	70	1824	350		
38	25	0.3	56	1964	350		
44	30	0.31	46.7	2087	350		
41	40	0.23	35	2298	350		
37	50	0.18	28	2475	350		
35	60	0.15	23.3	2630	350		
33	80	0.12	17.5	2895	350		
29	100	0.09	14	3118	350		
71	7.5	1.6	186.7	1805	401	NRV050	
70	10	1.2	140	1987	490		
73	15	0.88	93.3	2274	490		
72	20	0.68	70	2503	490		
69	25	0.54	56	2696	490		
83	30	0.57	46.7	2865	490		
77	40	0.42	35	3153	490		
73	50	0.34	28	3397	490		
68	60	0.28	23.3	3610	490		
64	80	0.22	17.5	3973	490		
52	100	0.16	14	4280	490		
126	7.5	2.8	186.7	2359	500	NRV063	
129	10	2.2	140	2597	571		
134	15	1.6	93.3	2973	615		
131	20	1.2	70	3272	667		
131	25	1.0	56	3524	700		
164	30	1.1	46.7	3745	700		
143	40	0.76	35	4122	700		
133	50	0.6	28	4440	700		
130	60	0.51	23.3	4719	700		
119	80	0.39	17.5	5193	700		
118	100	0.34	14	5595	700		

NRV.. (n₁=1400)

M _{2n} [Nm]	i	P _{1n} [kW]	n ₂ [1/min]	Fr ₂ [N]	Fr ₁ [N]		Page 
185	7.5	4.1	186.7	2785	700	NRV075	
190	10	3.2	140	3065	830		
198	15	2.3	93.3	3509	851		
210	20	1.9	70	3862	980		
202	25	1.5	56	4160	980		
233	30	1.5	46.7	4421	980		
216	40	1.1	35	4865	980		
206	50	0.89	28	5241	980		
197	60	0.75	23.3	5569	980		
187	80	0.58	17.5	6130	980		
180	100	0.48	14	6603	980		
287	7.5	6.3	186.7	3081	900	NRV090	
306	10	5.1	140	3391	1082		
357	15	4.1	93.3	3882	1257		
351	20	3.1	70	4273	1270		
332	25	2.4	56	4603	1270		
415	30	2.6	46.7	4891	1270		
363	40	1.8	35	5383	1270		
339	50	1.4	28	5799	1270		
307	60	1.1	23.3	6163	1270		
285	80	0.83	17.5	6783	1270		
270	100	0.67	14	7306	1270		
546	7.5	12	186.7	3893	1200	NRV110	
588	10	9.8	140	4285	1463		
660	15	7.5	93.3	4905	1604		
649	20	5.6	70	5399	1700		
665	25	4.7	56	5816	1700		
727	30	4.5	46.7	6181	1700		
693	40	3.3	35	6803	1700		
656	50	2.6	28	7328	1700		
620	60	2.1	23.3	7787	1700		
512	80	1.4	17.5	8571	1700		
473	100	1.1	14	9232	1700		
741	7.5	16.1	186.7	5092	1500	NRV130	
820	10	13.5	140	5605	1845		
917	15	10.3	93.3	6416	2070		
905	20	7.8	70	7062	2100		
931	25	6.5	56	7607	2100		
1047	30	6.4	46.7	8084	2100		
1043	40	4.9	35	8897	2100		
972	50	3.8	28	9584	2100		
928	60	3.1	23.3	10185	2100		
853	80	2.3	17.5	11210	2100		
742	100	1.7	14	12076	2100		

NRV.. (n₁=900)

M _{2n} [Nm]	i	P _{1n} [kW]	n ₂ [1/min]	Fr ₂ [N]	Fr ₁ [N]		Page 
20	7.5	0.3	120	792	175	NRV030	
20	10	0.24	90	871	197		
20	15	0.17	60	997	197		
19	20	0.13	45	1098	210		
23	25	0.14	36	1183	210		
21	30	0.11	30	1257	210		
21	40	0.09	22.5	1383	210		
19	50	0.07	18	1490	210		
18	60	0.06	15	1583	210		
14	80	0.04	11.3	1743	210		
43	7.5	0.65	120	1524	319	NRV040	
44	10	0.5	90	1677	350		
45	15	0.36	60	1920	350		
44	20	0.28	45	2113	350		
44	25	0.23	36	2276	350		
48	30	0.23	30	2419	350		
44	40	0.17	22.5	2662	350		
43	50	0.14	18	2868	350		
38	60	0.11	15	3047	350		
37	80	0.09	11.3	3354	350		
33	100	0.07	9	3490	350		
81	7.5	1.2	120	2091	448	NRV050	
83	10	0.94	90	2302	490		
84	15	0.67	60	2635	490		
76	20	0.48	45	2900	490		
76	25	0.39	36	3124	490		
91	30	0.42	30	3320	490		
83	40	0.31	22.5	3654	490		
78	50	0.25	18	3936	490		
74	60	0.21	15	4183	490		
66	80	0.16	11.3	4604	490		
56	100	0.12	9	4840	490		
151	7.5	2.2	120	2734	580	NRV063	
152	10	1.7	90	3009	661		
153	15	1.2	60	3444	670		
149	20	0.91	45	3791	700		
135	25	0.69	36	4084	700		
176	30	0.79	30	4339	700		
160	40	0.58	22.5	4776	700		
146	50	0.45	18	5145	700		
137	60	0.37	15	5467	700		
127	80	0.29	11.3	6018	700		
125	100	0.25	9	6270	700		

NRV.. (n₁=900)

M _{2n} [Nm]	i	P _{1n} [kW]	n ₂ [1/min]	Fr ₂ [N]	Fr ₁ [N]		Page -----
212	7.5	3.1	120	3227	810	NRV075	
223	10	2.5	90	3551	975		
232	15	1.8	60	4065	980		
232	20	1.4	45	4474	980		
219	25	1.1	36	4820	980		
249	30	1.1	30	5122	980		
236	40	0.83	22.5	5637	980		
217	50	0.65	18	6073	980		
206	60	0.54	15	6453	980		
200	80	0.43	11.3	7103	980		
191	100	0.36	9	7380	980		
336	7.5	4.8	120	3570	1040	NRV090	
365	10	4.0	90	3929	1270		
410	15	3.1	60	4498	1270		
395	20	2.3	45	4951	1270		
372	25	1.8	36	5333	1270		
454	30	1.9	30	5667	1270		
422	40	1.4	22.5	6238	1270		
391	50	1.1	18	6719	1270		
350	60	0.86	15	7140	1270		
314	80	0.63	11.3	7859	1270		
281	100	0.49	9	8180	1270		
644	7.5	9.2	120	4511	1390	NRV110	
702	10	7.6	90	4965	1700		
749	15	5.6	60	5684	1700		
722	20	4.1	45	6256	1700		
752	25	3.5	36	6739	1700		
847	30	3.5	30	7161	1700		
785	40	2.5	22.5	7882	1700		
753	50	2.0	18	8491	1700		
693	60	1.6	15	9023	1700		
586	80	1.1	11.3	9931	1700		
526	100	0.84	9	10320	1700		
871	7.5	12.3	120	5901	1740	NRV130	
951	10	10.3	90	6494	2100		
1055	15	7.8	60	7434	2100		
1022	20	5.8	45	8182	2100		
1031	25	4.8	36	8814	2100		
1152	30	4.7	30	9366	2100		
1099	40	3.5	22.5	10309	2100		
1017	50	2.7	18	11105	2100		
923	60	2.1	15	11801	2100		
852	80	1.6	11.3	12989	2100		
751	100	1.2	9	13500	2100		



NRV.. ($n_1=500$)

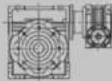
M _{2n} [Nm]	i	P _{1n} [kW]	n ₂ [1/min]	Fr ₂ [N]	Fr ₁ [N]		Page 
24	7.5	0.21	66.7	963	210	NRV030	
24	10	0.16	50	1060	210		
24	15	0.12	33.3	1213	210		
23	20	0.09	25	1336	210		
29	25	0.1	20	1439	210		
26	30	0.08	16.7	1529	210		
24	40	0.06	12.5	1683	210		
22	50	0.05	10	1813	210		
20	60	0.04	8.3	1830	210		
17	80	0.03	6.3	1830	210		
53	7.5	0.45	66.7	1853	350	NRV040	
53	10	0.35	50	2040	350		
56	15	0.26	33.3	2335	350		
52	20	0.19	25	2570	350		
49	25	0.15	20	2769	350		
58	30	0.16	16.7	2942	350		
53	40	0.12	12.5	3238	350		
52	50	0.1	10	3488	350		
46	60	0.08	8.3	3490	350		
40	80	0.06	6.3	3490	350		
38	100	0.05	5	3490	350		
102	7.5	0.86	66.7	2544	490	NRV050	
104	10	0.67	50	2800	490		
102	15	0.47	33.3	3205	490		
92	20	0.33	25	3528	490		
94	25	0.28	20	3800	490		
106	30	0.29	16.7	4038	490		
99	40	0.22	12.5	4445	490		
89	50	0.17	10	4788	490		
82	60	0.14	8.3	4840	490		
75	80	0.11	6.3	4840	490		
69	100	0.09	5	4840	490		
180	7.5	1.5	66.7	3325	700	NRV063	
188	10	1.2	50	3660	700		
188	15	0.85	33.3	4190	700		
178	20	0.63	25	4611	700		
163	25	0.48	20	4967	700		
204	30	0.54	16.7	5279	700		
186	40	0.4	12.5	5810	700		
174	50	0.32	10	6259	700		
162	60	0.26	8.3	6270	700		
138	80	0.19	6.3	6270	700		
131	100	0.16	5	6270	700		

NRV.. (n₁=500)

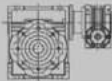
M _{2n} [Nm]	i	P _{1n} [kW]	n ₂ [1/min]	Fr ₂ [N]	Fr ₁ [N]		Page 
253	7.5	2.1	66.7	3925	980	NRV075	
266	10	1.7	50	4320	980		
268	15	1.2	33.3	4945	980		
281	20	0.98	25	5443	980		
251	25	0.73	20	5863	980		
299	30	0.77	16.7	6231	980		
279	40	0.58	12.5	6858	980		
248	50	0.44	10	7380	980		
234	60	0.37	8.3	7380	980		
220	80	0.29	6.3	7380	980		
206	100	0.24	5	7380	980		
406	7.5	3.3	66.7	4343	1270	NRV090	
433	10	2.7	50	4780	1270		
488	15	2.1	33.3	5472	1270		
477	20	1.6	25	6022	1270		
430	25	1.2	20	6487	1270		
568	30	1.4	16.7	6894	1270		
486	40	0.95	12.5	7588	1270		
451	50	0.75	10	8174	1270		
407	60	0.59	8.3	8180	1270		
368	80	0.45	6.3	8180	1270		
328	100	0.35	5	8180	1270		
788	7.5	6.4	66.7	5488	1700	NRV110	
844	10	5.2	50	6040	1700		
906	15	3.9	33.3	6914	1700		
856	20	2.8	25	7610	1700		
894	25	2.4	20	8198	1700		
988	30	2.4	16.7	8711	1700		
909	40	1.7	12.5	9588	1700		
882	50	1.4	10	10320	1700		
810	60	1.1	8.3	10320	1700		
668	80	0.76	6.3	10320	1700		
609	100	0.59	5	10320	1700		
1071	7.5	8.6	66.7	7178	2100	NRV130	
1153	10	7.1	50	7900	2100		
1293	15	5.5	33.3	9043	2100		
1222	20	4.0	25	9953	2100		
1192	25	3.2	20	10722	2100		
1378	30	3.3	16.7	11394	2100		
1284	40	2.4	12.5	12540	2100		
1216	50	1.9	10	13500	2100		
1105	60	1.5	8.3	13500	2100		
967	80	1.1	6.3	13500	2100		
877	100	0.85	5	13500	2100		



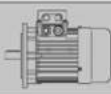
NRV.. - NMRV.. ($n_1=1400$)

M _{2n} [Nm]	i	P _{1n} [kW]	n ₂ [1/min]	Fr ₂ [N]	Fr ₁ [N]		Page 
73	300	0.08	4.7	3490	210	NRV030/040	
67	400	0.06	3.5	3490	210		
59	500	0.04	2.8	3490	210		
63	600	0.04	2.3	3490	210		
68	750	0.04	1.9	3490	210		
59	900	0.03	1.6	3490	210		
48	1200	0.02	1.2	3490	210		
57	1500	0.02	0.9	3490	210		
60	1800	0.02	0.8	3490	210		
36	2400	0.01	0.58	3490	210		
45	3200	0.01	0.4	3490	210		
33	4000	0.01	0.4	3490	210		
29	5000	0.01	0.28	3490	210		
140	300	0.15	4.7	4840	210	NRV030/050	
115	400	0.1	3.5	4840	210		
120	500	0.09	2.8	4840	210		
130	600	0.08	2.3	4840	210		
123	750	0.07	1.9	4840	210		
118	900	0.06	1.6	4840	210		
96	1200	0.04	1.2	4840	210		
111	1500	0.04	0.93	4840	210		
122	1800	0.04	0.78	4840	210		
110	2400	0.03	0.6	4840	210		
80	3000	0.02	0.5	4840	210		
82	4000	0.02	0.35	4840	210		
82	4800	0.02	0.29	4840	210		
234	300	0.24	4.7	6270	210	NRV030/063	
228	400	0.19	3.5	6270	210		
210	500	0.15	2.8	6270	210		
216	600	0.13	2.3	6270	210		
199	750	0.11	1.9	6270	210		
188	900	0.09	1.6	6270	210		
197	1200	0.08	1.2	6270	210		
173	1500	0.06	0.93	6270	210		
159	1800	0.05	0.78	6270	210		
189	2400	0.05	0.58	6270	210		
171	3000	0.04	0.47	6270	210		
147	4000	0.03	0.35	6270	210		
109	5000	0.02	0.28	6270	210		
373	300	0.36	4.7	7380	350	NRV040/075	
346	400	0.27	3.5	7380	350		
315	500	0.21	2.8	7380	350		
355	600	0.19	2.3	7380	350		
330	750	0.16	1.9	7380	350		
326	900	0.14	1.6	7380	350		

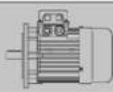
NRV.. - NMRV.. ($n_1=1400$)

M_{2n} [Nm]	i	P_{1n} [kW]	n_2 [1/min]	Fr_2 [N]	Fr_1 [N]		Page 
315	1200	0.11	1.2	7380	350	NRV040/075	
339	1500	0.1	0.93	7380	350		
331	1800	0.09	0.78	7380	350		
311	2400	0.07	0.58	7380	350		
254	3000	0.05	0.47	7380	350		
240	4000	0.04	0.35	7380	350		
205	5000	0.03	0.28	7380	350		
614	300	0.56	4.7	8180	350	NRV040/090	
587	400	0.43	3.5	8180	350		
545	500	0.34	2.8	8180	350		
585	600	0.3	2.3	8180	350		
509	750	0.23	1.9	8180	350		
465	900	0.19	1.6	8180	350		
514	1200	0.17	1.2	8180	350		
503	1500	0.14	0.93	8180	350		
431	1800	0.11	0.78	8180	350		
543	2400	0.11	0.58	8180	350		
439	3000	0.08	0.47	8180	350		
460	4000	0.08	0.35	8180	350		
410	5000	0.06	0.28	8180	350		
1229	300	1.1	4.7	10320	490	NRV050/110	
1164	400	0.79	3.5	10320	490		
1248	500	0.61	2.8	10320	490		
1096	600	0.55	2.3	10320	490		
1108	750	0.49	1.9	10320	490		
1078	900	0.43	1.6	10320	490		
962	1200	0.31	1.2	10320	490		
1109	1500	0.3	0.93	10320	490		
1051	1800	0.26	0.78	10320	490		
1001	2400	0.19	0.58	10320	490		
914	3000	0.15	0.47	10320	490		
819	4000	0.13	0.35	10320	490		
746	5000	0.1	0.28	10320	490		
1737	300	1.5	4.7	13500	700	NRV063/130	
1621	400	1.1	3.5	13500	700		
1496	500	0.86	2.8	13500	700		
1578	600	0.76	2.3	13500	700		
1559	750	0.66	1.9	13500	700		
1558	900	0.58	1.6	13500	700		
1403	1200	0.43	1.2	13500	700		
1522	1500	0.39	0.93	13500	700		
1500	1800	0.35	0.78	13500	700		
1358	2400	0.25	0.58	13500	700		
1300	3000	0.2	0.47	13500	700		
1146	4000	0.15	0.35	13500	700		
938	5000	0.11	0.28	13500	700		

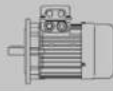
UDL.. - NMRV.. ($n_1=1400$)

P _{1n} [kW]	n ₂ [1/min]	M _{2n} [Nm]	i			Page 	
0.18	117 ~ 22.5	9 ~ 18	12 ~ 61.5	UDL0.18-NMRV040	6324		
	88 ~ 17	12 ~ 23	16 ~ 82				
	58.7 ~ 11.3	17 ~ 32	24 ~ 123				
	44 ~ 8.5	22 ~ 40	32 ~ 164				
	35.2 ~ 6.8	27 ~ 47	40 ~ 205				
	29.3 ~ 5.7	30 ~ 51	48 ~ 246				
	22 ~ 4.3	37 ~ 62	64 ~ 328				
	17.6 ~ 3.4	43 ~ 60	80 ~ 410				
	22 ~ 4.3	38 ~ 63	64 ~ 328	UDL0.18-NMRV050	6324		
	17.6 ~ 3.4	44 ~ 73	80 ~ 410				
	14.7 ~ 2.8	50 ~ 80	96 ~ 492				
	11 ~ 2.1	59 ~ 82	128 ~ 656				
	8.8 ~ 1.7	66 ~ 79	160 ~ 820				
	0.37	133 ~ 26.7	19 ~ 36	10.5 ~ 52.5	UDL0.37-NMRV050	7124	
		100 ~ 20	25 ~ 47	14 ~ 70			
66.7 ~ 13.3		36 ~ 65	21 ~ 105				
50 ~ 10		46 ~ 82	28 ~ 140				
40 ~ 8		55 ~ 97	35 ~ 175				
33.3 ~ 6.7		61 ~ 107	42 ~ 210				
25 ~ 5		76 ~ 124	56 ~ 280				
20 ~ 4		89 ~ 120	70 ~ 350				
25 ~ 5		79 ~ 134	56 ~ 280	UDL0.37-NMRV063	7124		
20 ~ 4		92 ~ 155	70 ~ 350				
16.7 ~ 3.3		104 ~ 173	84 ~ 420				
12.5 ~ 2.5		125 ~ 173	112 ~ 560				
10 ~ 2		139 ~ 150	140 ~ 700				
0.55	133 ~ 26.7	26 ~ 49	10.5 ~ 52.5	UDL0.55-NMRV063	8014		
	100 ~ 20	34 ~ 63	14 ~ 70				
	66.7 ~ 13.3	48 ~ 88	21 ~ 105				
	50 ~ 10	62 ~ 112	28 ~ 140				
	40 ~ 8	75 ~ 133	35 ~ 175				
	33.3 ~ 6.7	81 ~ 146	42 ~ 210				
	25 ~ 5	105 ~ 179	56 ~ 280				
	20 ~ 4	123 ~ 207	70 ~ 350				
	20 ~ 4	129 ~ 216	70 ~ 350	UDL0.55-NMRV075	8014		
	16.7 ~ 3.3	146 ~ 242	84 ~ 420				
	12.5 ~ 2.5	176 ~ 250	112 ~ 560				
	~	~	~	UDL0.55-NMRV090	8014		
	12.5 ~ 2.5	189 ~ 309	112 ~ 560				
	10 ~ 2	218 ~ 350	140 ~ 700				
	0.75	133 ~ 26.7	39 ~ 73	10.5 ~ 52.5	UDL0.75-NMRV063	8024	
		100 ~ 20	51 ~ 94	14 ~ 70			
66.7 ~ 13.3		72 ~ 132	21 ~ 105				
50 ~ 10		92 ~ 168	28 ~ 140				
40 ~ 8		112 ~ 199	35 ~ 175				
33.3 ~ 6.7		126 ~ 219	42 ~ 210				

UDL.. - NMRV.. ($n_1=1400$)

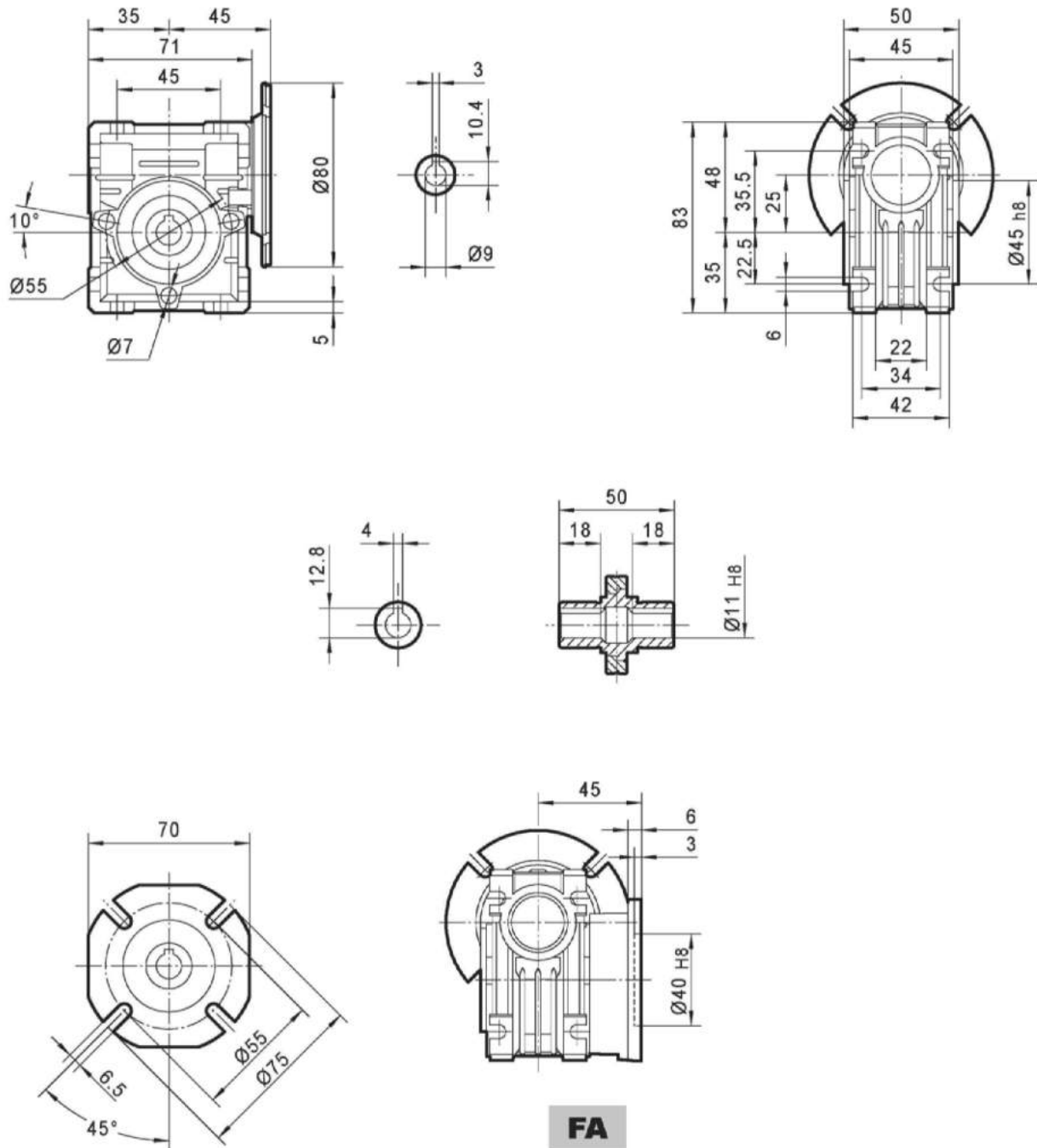
P_{1n} [kW]	n_2 [1/min]	M_{2n} [Nm]	i			Page 
0.75	25 ~ 5 20 ~ 4	156 ~ 232 185 ~ 310	56 ~ 280 70 ~ 350	UD0.75-NMRV063	8024	
	20 ~ 4 16.7 ~ 3.3	192 ~ 320 219 ~ 300	70 ~ 350 84 ~ 420	UD0.75-NMRV075	8024	
	16.7 ~ 3.3 12.5 ~ 2.5 10 ~ 2	230 ~ 389 265 ~ 428 303 ~ 410	84 ~ 420 112 ~ 560 140 ~ 700	UD0.75-NMRV090	8024	
	12.5 ~ 2.5 10 ~ 2	302 ~ 503 348 ~ 575	112 ~ 560 140 ~ 700	UD0.75-NMRV110	8024	
1.1	133 ~ 26.7 100 ~ 20 66.7 ~ 13.3 50 ~ 10 40 ~ 8 33.3 ~ 6.7 25 ~ 5	59 ~ 111 77 ~ 144 110 ~ 203 142 ~ 258 172 ~ 308 195 ~ 340 245 ~ 360	10.5 ~ 52.5 14 ~ 70 21 ~ 105 28 ~ 140 35 ~ 175 42 ~ 210 56 ~ 280	UD1.1-NMRV075	90S4	
	100 ~ 20 66.7 ~ 13.3 50 ~ 10 40 ~ 8 33.3 ~ 6.7 25 ~ 5 20 ~ 4	78 ~ 146 113 ~ 208 146 ~ 266 177 ~ 320 202 ~ 356 256 ~ 442 304 ~ 517	14 ~ 70 21 ~ 105 28 ~ 140 35 ~ 175 42 ~ 210 56 ~ 280 70 ~ 350	UD1.1-NMRV090	90S4	
	20 ~ 4 16.7 ~ 3.3 12.5 ~ 2.5 10 ~ 2	320 ~ 550 368 ~ 625 455 ~ 754 522 ~ 710	70 ~ 350 84 ~ 420 112 ~ 560 140 ~ 700	UD1.1-NMRV110	90S4	
	16.7 ~ 3.3 12.5 ~ 2.5 10 ~ 2	373 ~ 623 460 ~ 749 531 ~ 868	84 ~ 420 112 ~ 560 140 ~ 700	UD1.1-NMRV130	90S4	
	133 ~ 26.7 100 ~ 20 66.7 ~ 13.3 50 ~ 10 40 ~ 8 33.3 ~ 6.7 25 ~ 5	78 ~ 148 102 ~ 192 147 ~ 270 190 ~ 344 229 ~ 330 260 ~ 390 327 ~ 360	10.5 ~ 52.5 14 ~ 70 21 ~ 105 28 ~ 140 35 ~ 175 42 ~ 210 56 ~ 280	UD1.5-NMRV075	90L4	
	133 ~ 26.7 100 ~ 20 66.7 ~ 13.3 50 ~ 10 40 ~ 8 33.3 ~ 6.7 25 ~ 5 20 ~ 4	77 ~ 150 104 ~ 195 150 ~ 277 194 ~ 355 236 ~ 427 270 ~ 474 341 ~ 589 406 ~ 560	10.5 ~ 52.5 14 ~ 70 21 ~ 105 28 ~ 140 35 ~ 175 42 ~ 210 56 ~ 280 70 ~ 350	UD1.5-NMRV090	90L4	

UDL.. - NMRV.. ($n_1=1400$)

P_{1n} [kW]	n_2 [1/min]	M_{2n} [Nm]	i			Page 
1.5	20 ~ 4	426 ~ 733	70 ~ 350	UD1.5-NMRV110	90L4	
	16.7 ~ 3.3	490 ~ 833	84 ~ 420			
	16.7 ~ 3.3	498 ~ 831	84 ~ 420			
	12.5 ~ 2.5	614 ~ 999	112 ~ 560			
	10 ~ 2	696 ~ 1100	140 ~ 700			
2.2	133 ~ 26.7	120 ~ 226	10.5 ~ 52.5	UD2.2-NMRV110	100LA4	
	100 ~ 20	157 ~ 294	14 ~ 70			
	66.7 ~ 13.3	228 ~ 418	21 ~ 105			
	50 ~ 10	298 ~ 549	28 ~ 140			
	40 ~ 8	364 ~ 664	35 ~ 175			
	33.3 ~ 6.7	413 ~ 717	42 ~ 210			
	25 ~ 5	533 ~ 931	56 ~ 280			
	25 ~ 5	542 ~ 932	56 ~ 280	UD2.2-NMRV130	100LA4	
	20 ~ 4	648 ~ 1097	70 ~ 350			
	16.7 ~ 3.3	746 ~ 1246	84 ~ 420			
	12.5 ~ 2.5	921 ~ 1499	112 ~ 560			
	10 ~ 2	1040 ~ 1690	140 ~ 700			
3.0	133 ~ 26.7	160 ~ 302	10.5 ~ 52.5	UD3-NMRV110	100LB4	
	100 ~ 20	210 ~ 392	14 ~ 70			
	66.7 ~ 13.3	304 ~ 558	21 ~ 105			
	50 ~ 10	398 ~ 732	28 ~ 140			
	40 ~ 8	485 ~ 885	35 ~ 175			
	33.3 ~ 6.7	547 ~ 956	42 ~ 210			
	25 ~ 5	711 ~ 1030	56 ~ 280			
	133 ~ 26.7	160 ~ 301	10.5 ~ 52.5	UD3-NMRV130	100LB4	
	100 ~ 20	211 ~ 395	14 ~ 70			
	66.7 ~ 13.3	307 ~ 563	21 ~ 105			
	50 ~ 10	402 ~ 733	28 ~ 140			
	40 ~ 8	490 ~ 885	35 ~ 175			
	33.3 ~ 6.7	562 ~ 973	42 ~ 210			
	25 ~ 5	720 ~ 1242	56 ~ 280			
	20 ~ 4	864 ~ 1463	70 ~ 350			
4.0	133 ~ 26.7	213 ~ 402	10.5 ~ 52.5	UD4-NMRV110	112M4	
	100 ~ 20	279 ~ 523	14 ~ 70			
	66.7 ~ 13.3	405 ~ 744	21 ~ 105			
	50 ~ 10	530 ~ 975	28 ~ 140			
	40 ~ 8	647 ~ 1020	35 ~ 175			
	133 ~ 26.7	214 ~ 401	10.5 ~ 52.5	UD4-NMRV130	112M4	
	100 ~ 20	281 ~ 527	14 ~ 70			
	66.7 ~ 13.3	410 ~ 751	21 ~ 105			
	50 ~ 10	536 ~ 978	28 ~ 140			
	40 ~ 8	653 ~ 1180	35 ~ 175			
	33.3 ~ 6.7	749 ~ 1298	42 ~ 210			
	25 ~ 5	960 ~ 1650	56 ~ 280			

NMRV WORM GEAR UNITS

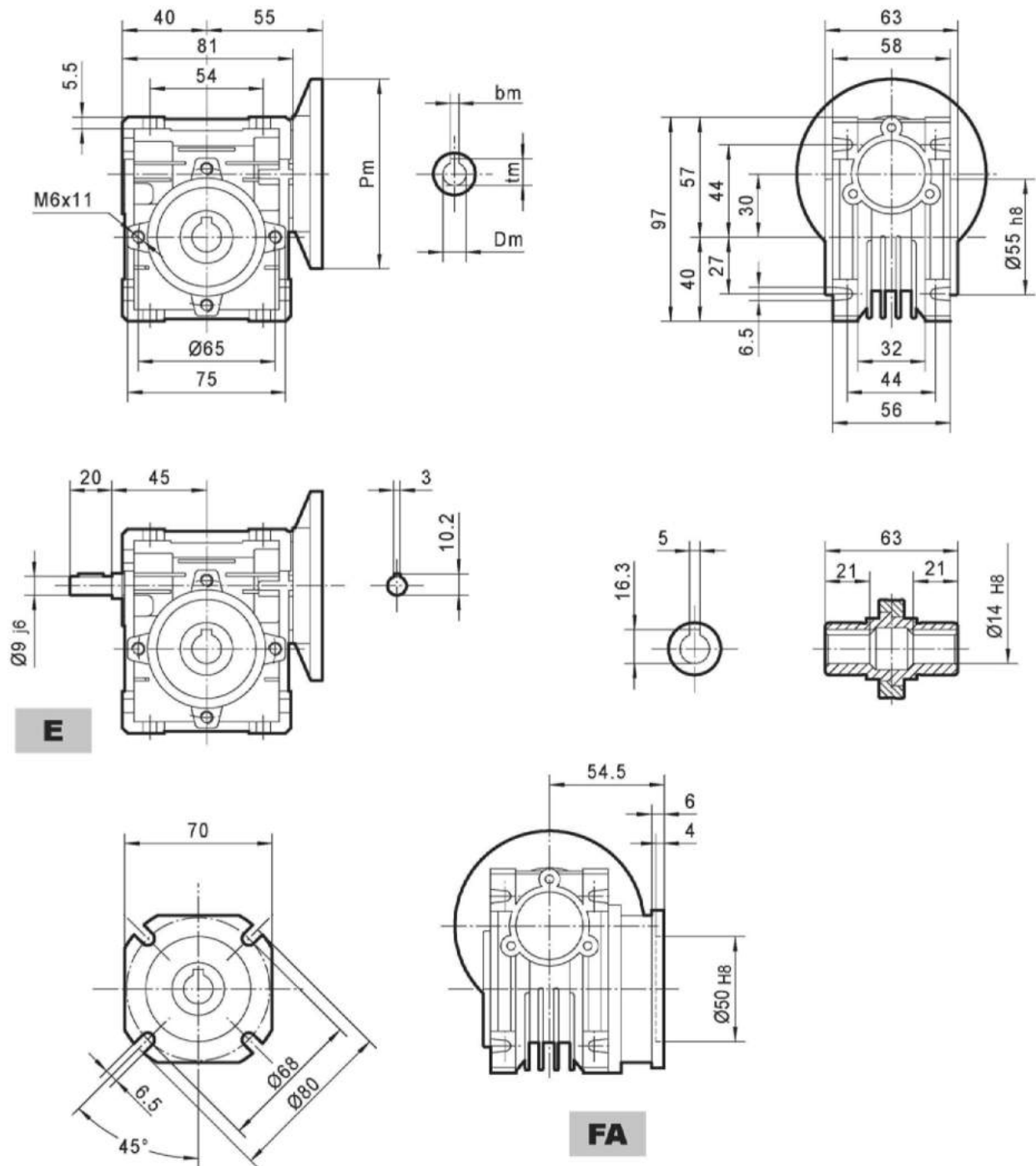
NMRV025



Weight without motor ≈ 0.7 kg



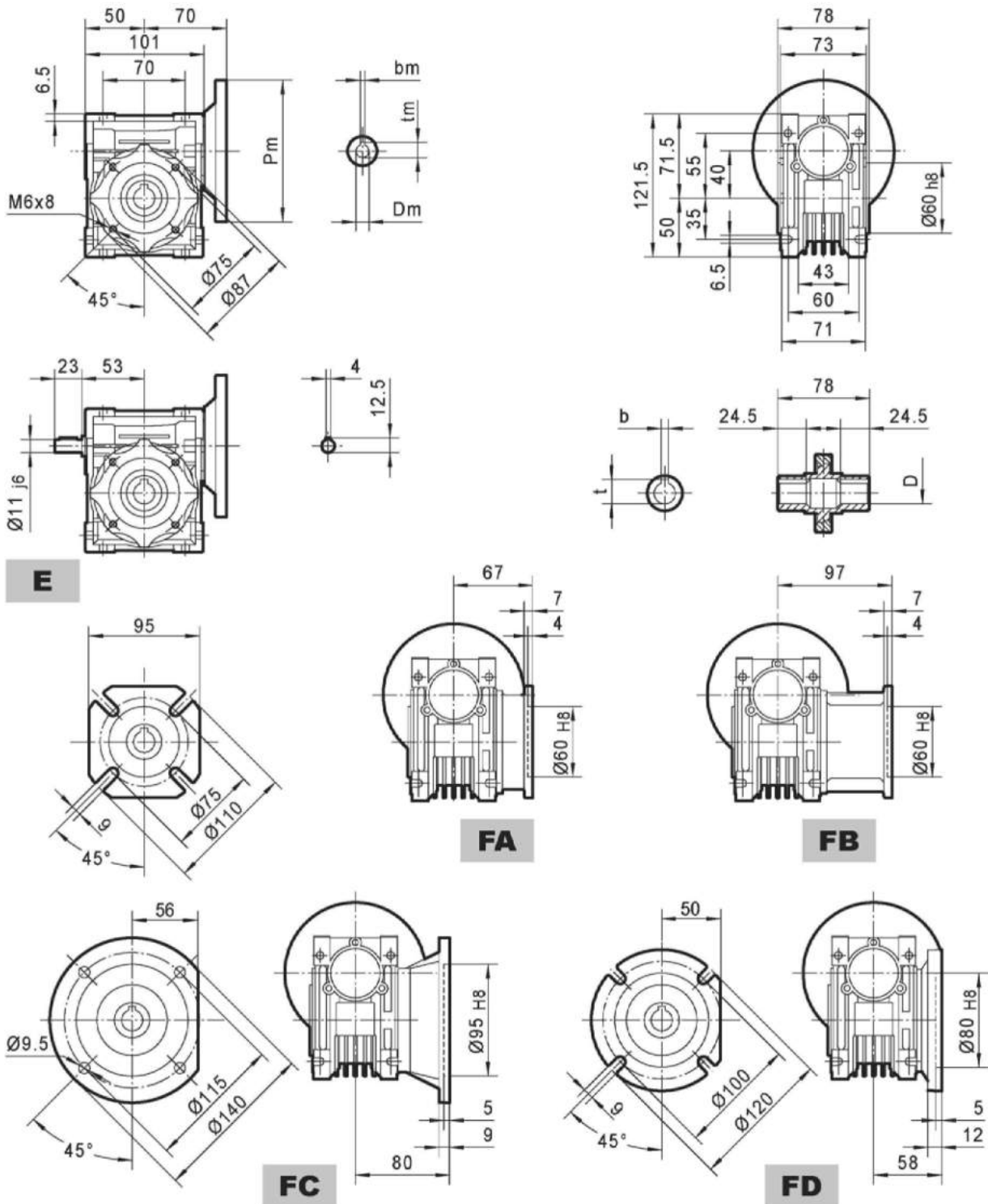
NMRV030



PAM IEC	P _m	D _m E8	b _m	t _m
63B5	140	11	4	12.8
56B5	120	9	3	10.4
63B14	90	11	4	12.8
56B14	80	9	3	10.4

Weight without motor ≈ 1.2 kg

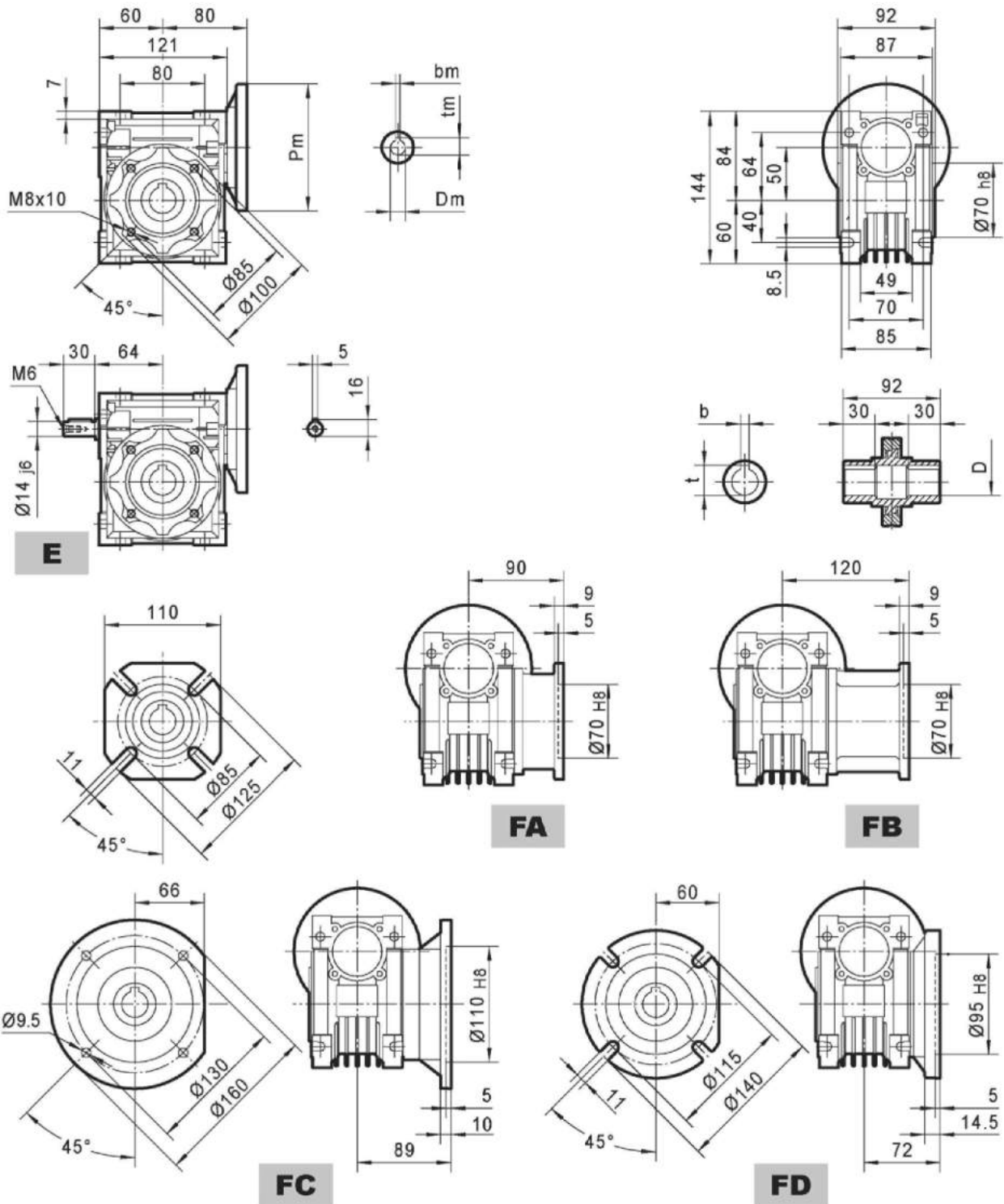
NMRV040



PAM IEC	P _m	D _m E8	b _m	t _m	D H8	b	t
71B5	160	14	5	16.3	18	6	20.8
63B5	140	11	4	12.8	19*	6*	21.8*
56B5	120	9	3	10.4	* Only on request		
71B14	105	14	5	16.3			
63B14	90	11	4	12.8			

Weight without motor ≈ 2.3 kg

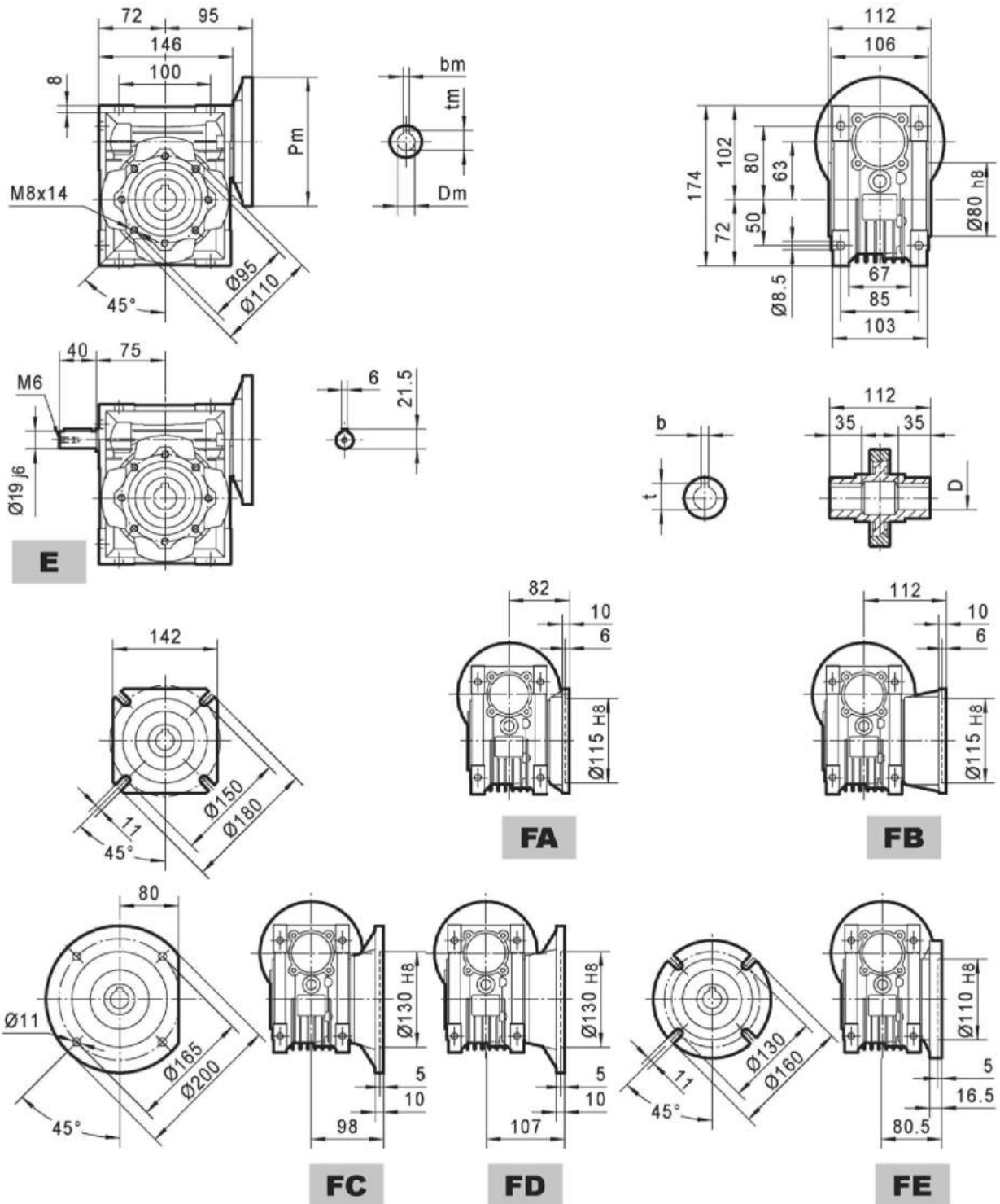
NMRV050



PAM IEC	P _m	D _m E8	b _m	t _m	D H8	b	t
80B5	200	19	6	21.8	25	8	28.3
71B5	160	14	5	16.3	24*	8*	27.3*
63B5	140	11	4	12.8	* Only on request		
80B14	120	19	6	21.8			
71B14	105	14	5	16.3			

Weight without motor ≈ 3.5 kg

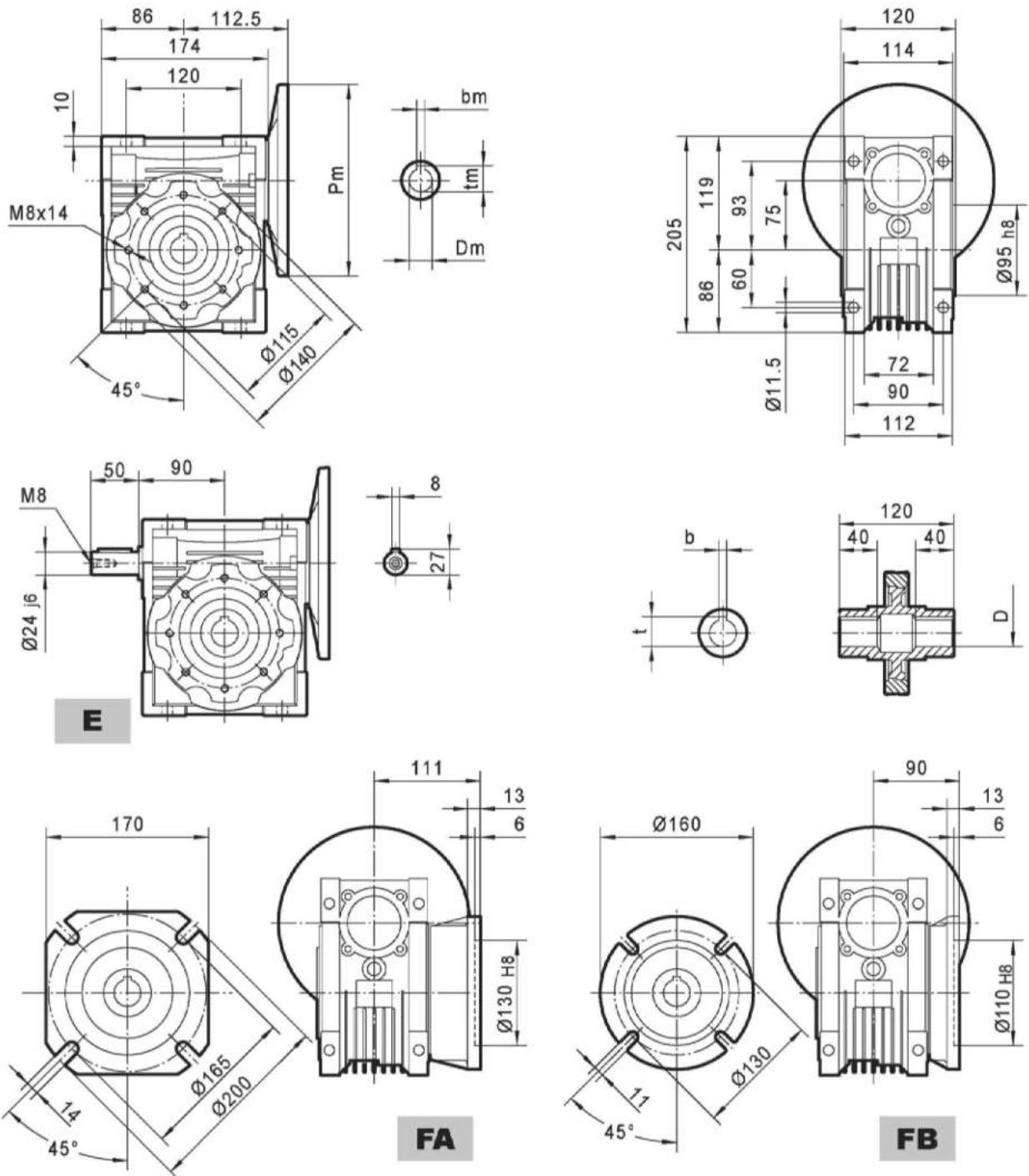
NMRV063



PAM IEC	P _m	D _m E8	b _m	t _m	D H8	b	t
90B5	200	24	8	27.3	25	8	28.3
80B5	200	19	6	21.8	28*	8*	31.3*
71B5	160	14	5	16.3	* Only on request		
90B14	140	24	8	27.3			
80B14	120	19	6	21.8			
71B14	105	14	5	16.3			

Weight without motor ≈ 6.2 kg

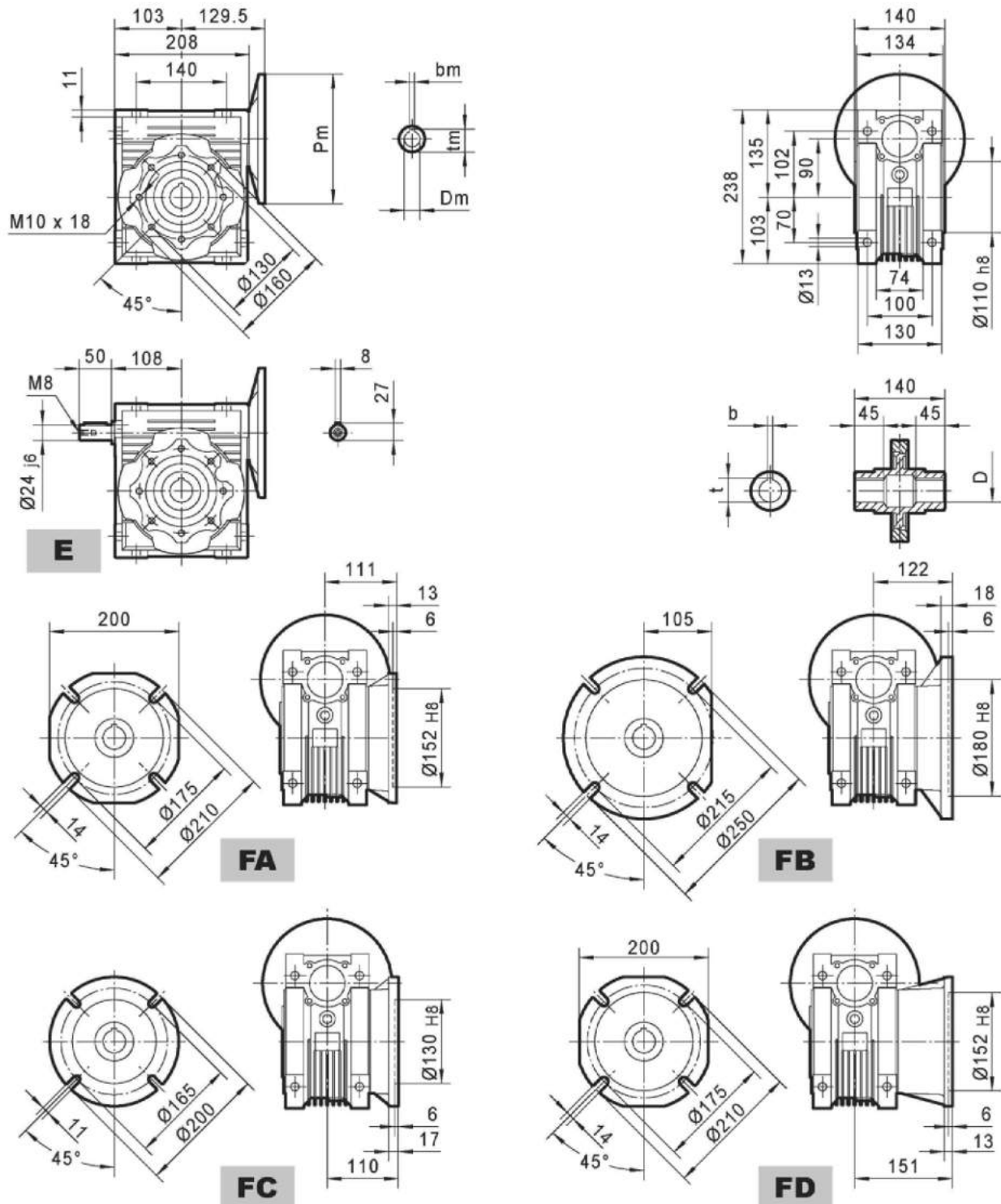
NMRV075



PAM IEC	P _m	D _m E8	b _m	t _m	D H8	b	t
100/112B5	250	28	8	31.3	28	8	31.3
90B5	200	24	8	27.3	35*	10*	38.3*
80B5	200	19	6	21.8	* Only on request		
71B5	160	14	5	16.3			
100/112B14	160	28	8	31.3			
90B14	140	24	8	27.3			
80B14	120	19	6	21.8			

Weight without motor $\approx 9 \text{ kg}$

NMRV090

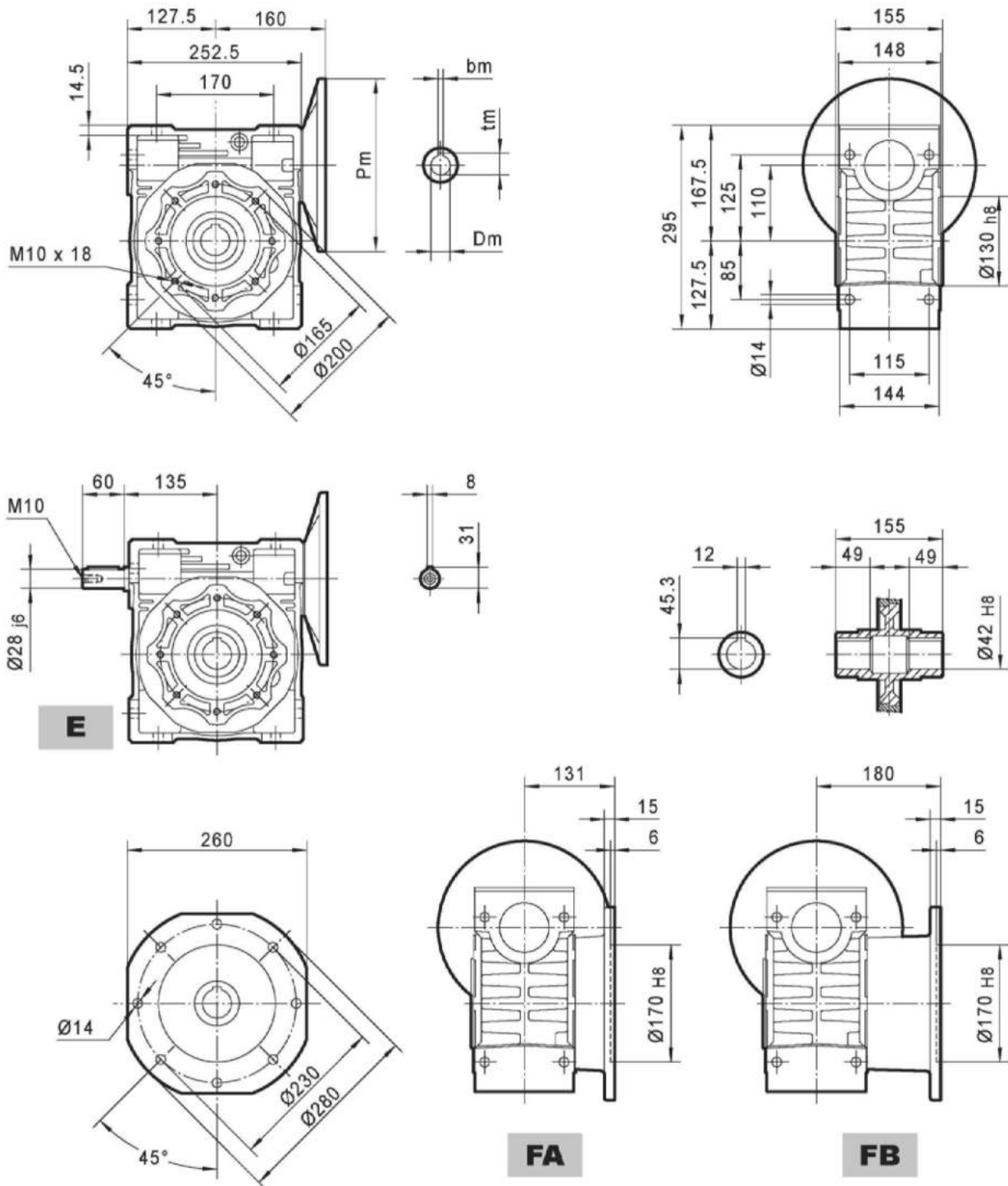


PAM IEC	P_m	D_m E8	b_m	t_m	D H8	b	t
100/112B5	250	28	8	31.3	35	10	38.3
90B5	200	24	8	27.3	38*	10*	41.3*
80B5	200	19	6	21.8	* Only on request		
100/112B14	160	28	8	31.3			
90B14	140	24	8	27.3			
80B14	120	19	6	21.8			

Weight without motor ≈ 13 kg



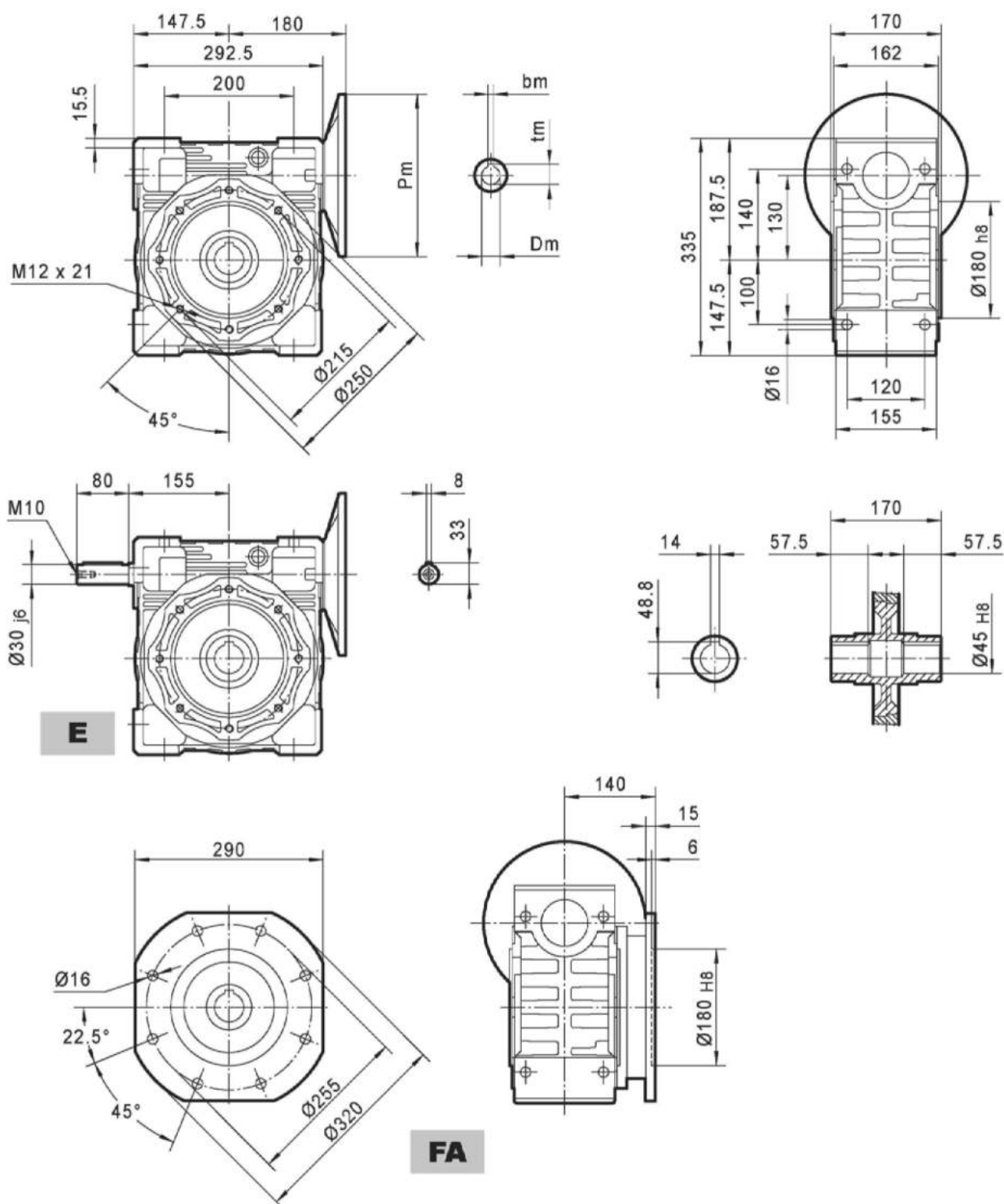
NMRV110



PAM IEC	P_m	D_m E8	b_m	t_m
132B5	300	38	10	41.3
112B5	250	28	8	31.3
100B5	250	28	8	31.3
90B5	200	24	8	27.3
80B5	200	19	6	21.8

Weight without motor ≈ 35 kg

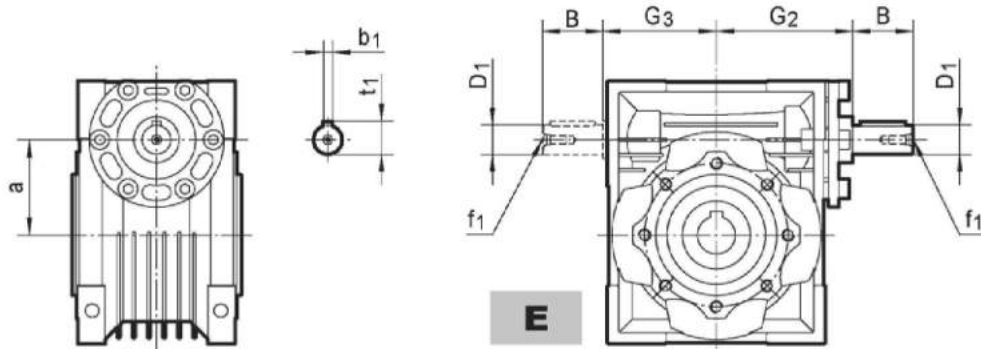
NMRV130



PAM IEC	P _m	D _m E8	b _m	t _m
132B5	300	38	10	41.3
112B5	250	28	8	31.3
100B5	250	28	8	31.3
90B5	200	24	8	27.3

Weight without motor ≈ 48 kg

NRV WORM GEAR UNITS



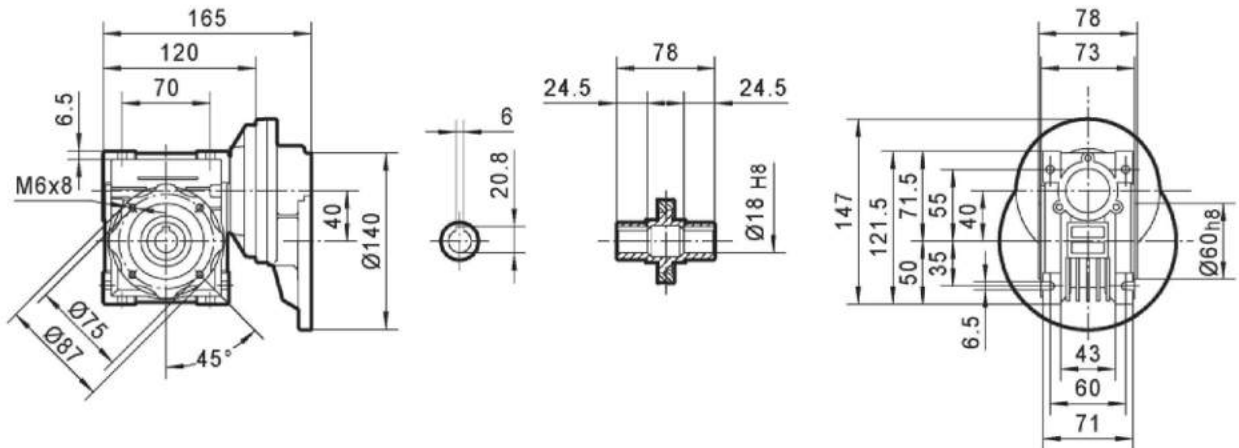
NRV	030	040	050	063	075	090	110	130
B	20	23	30	40	50	50	60	80
D ₂ j6	9	11	14	19	24	24	28	30
G ₂	51	60	74	90	105	125	142	162
G ₃	45	53	64	75	90	108	135	155
a	30	40	50	63	75	90	110	130
b ₁	3	4	5	6	8	8	8	8
f ₁	-	-	M6	M6	M8	M8	M10	M10
t ₁	10.2	12.5	16	21.5	27	27	31	33

For the missing dimensions, please refer to pages 37-45.

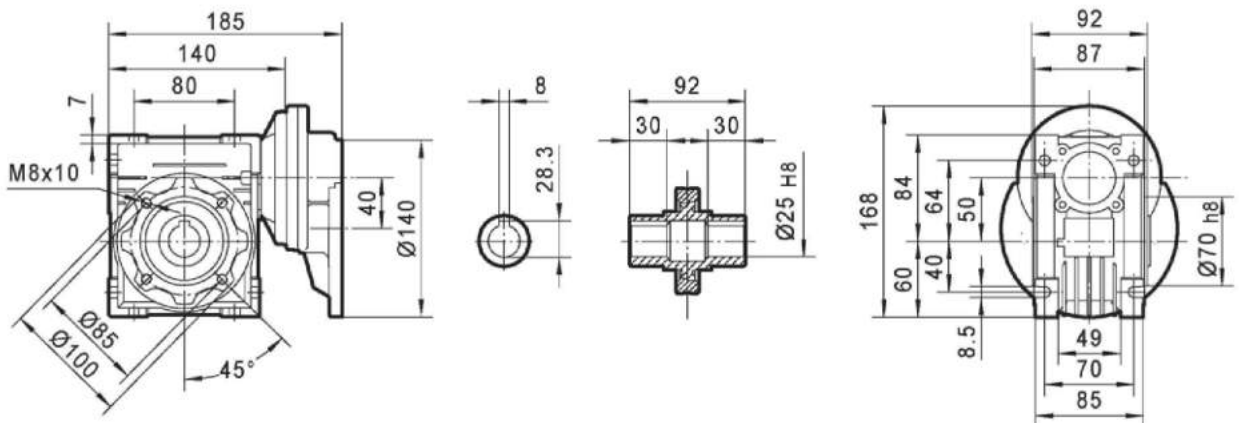
PC-NMRV OUTLINE DIMENSION

- For the dimensions of the output flanges, please refer to pages 37-45.
- For the dimensions of the hollow shafts, please refer to pages 37-45.
- For the dimensions of the double extension worm shafts, please refer to pages 56

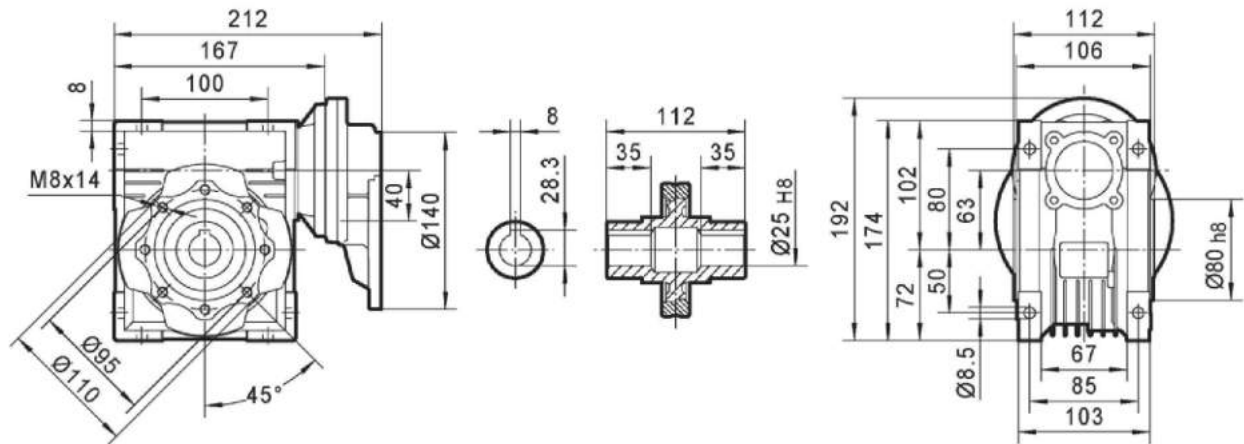
PC063 - NMRV040



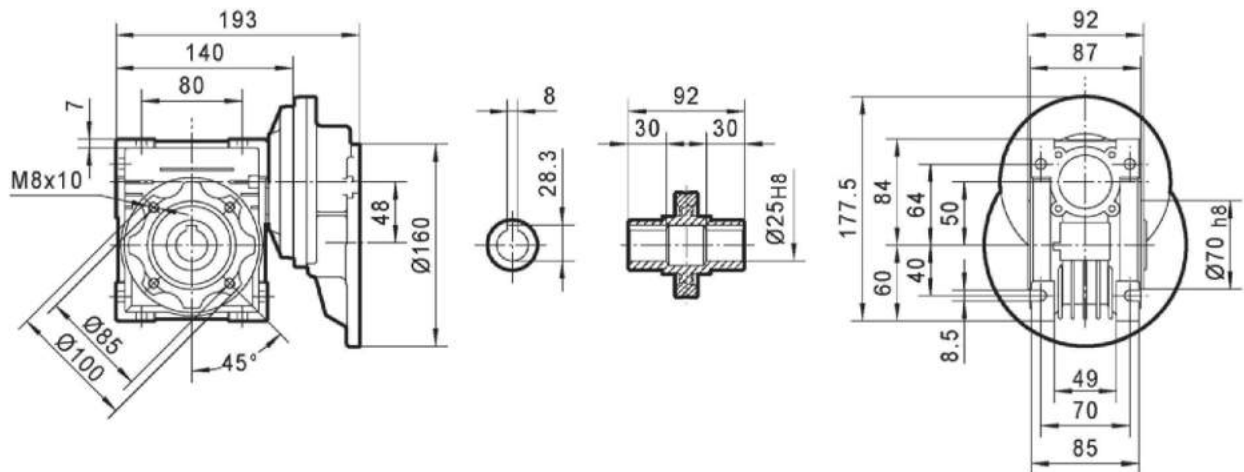
PC063 - NMRV050



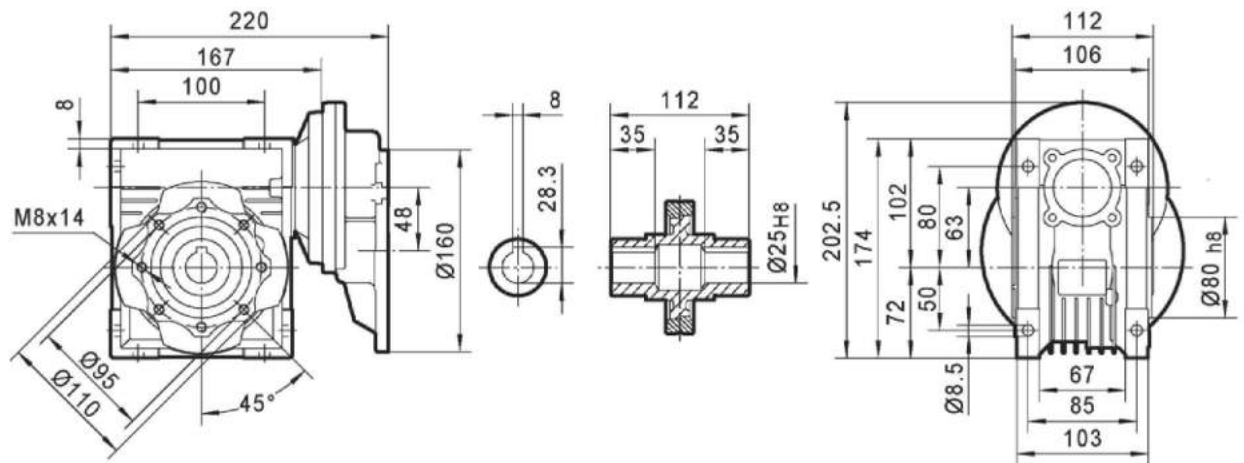
PC063 - NMRV063



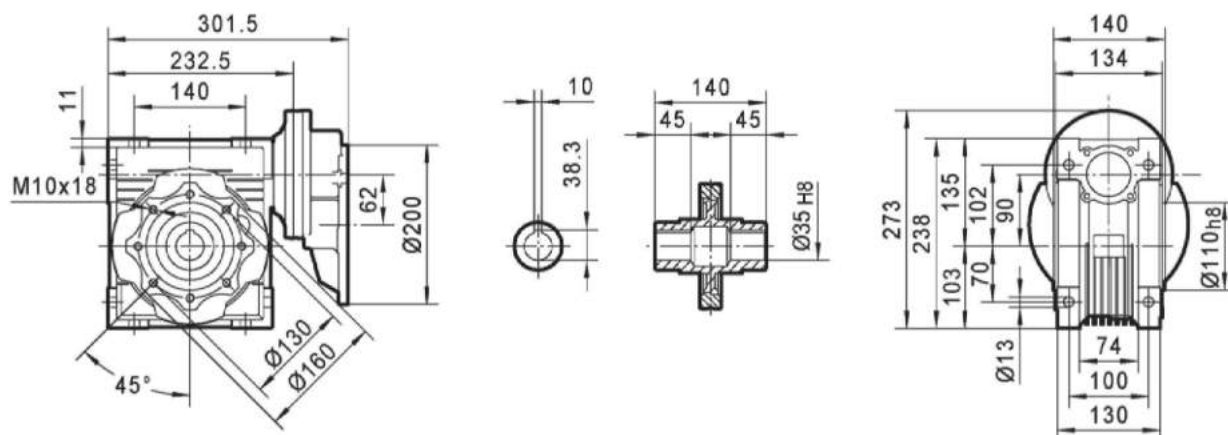
PC071 - NMRV050



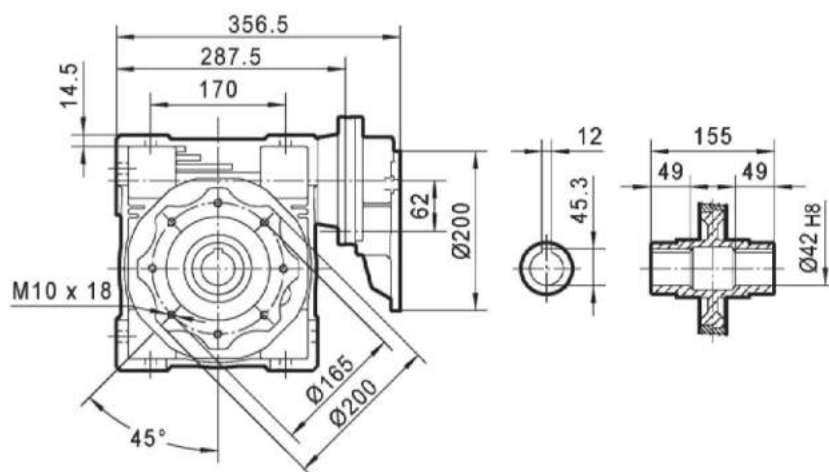
PC071 - NMRV063



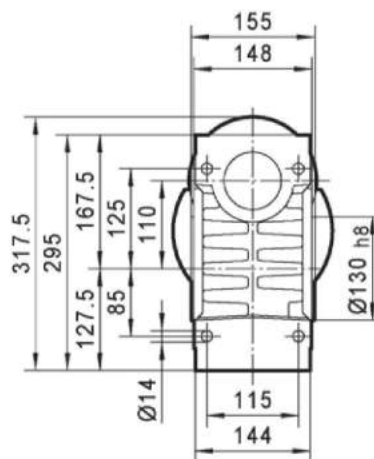
PC080 - NMRV090



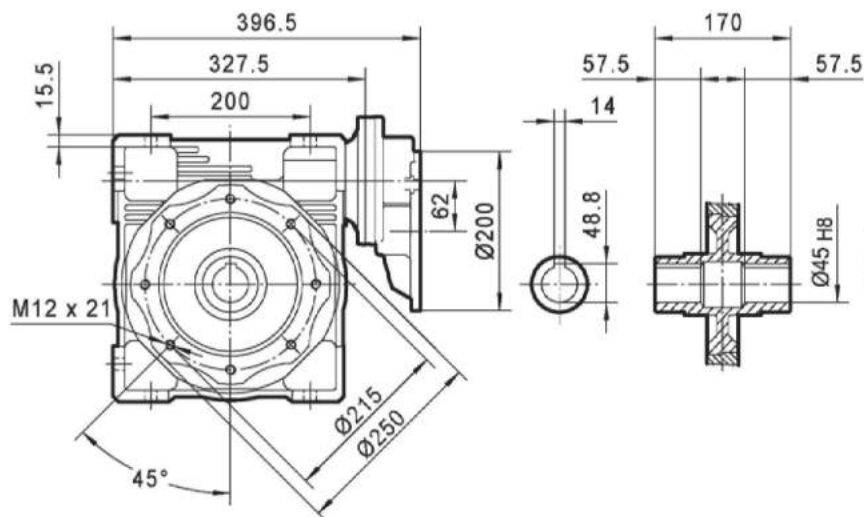
PC080 - NMRV110



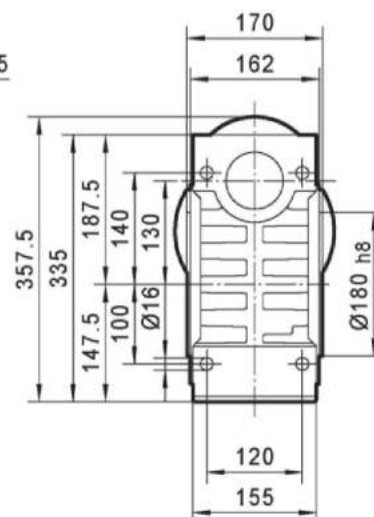
PC090 - NMRV110



PC080 - NMRV130



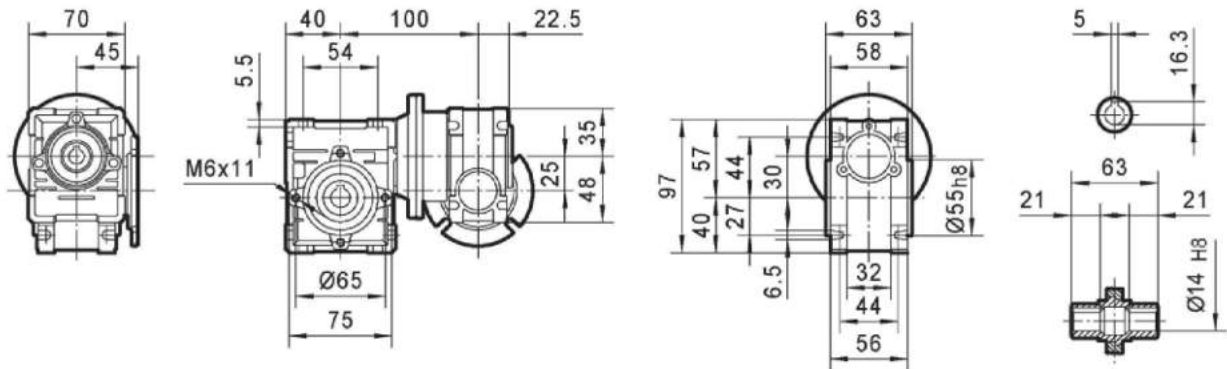
PC090 - NMRV130



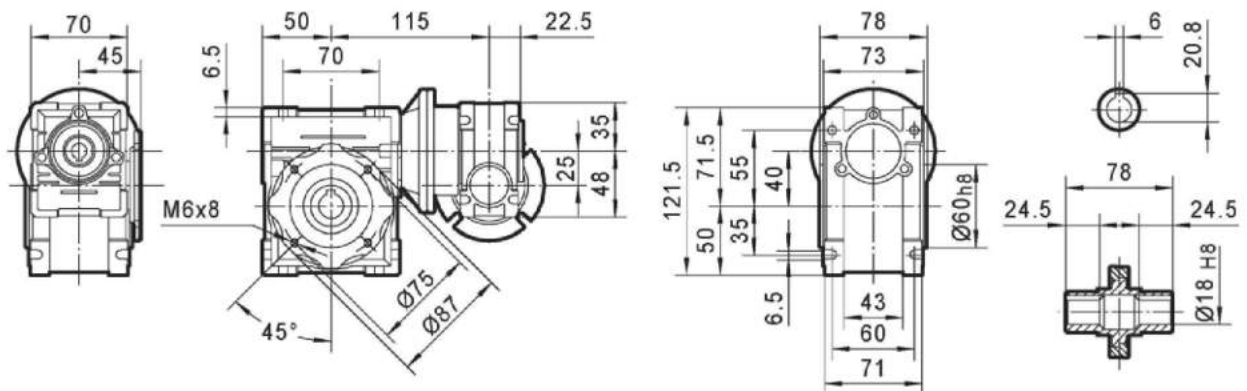
NMRV / NMRV OUTLINE DIMENSION

- For the dimensions of the output flanges, please refer to pages 37-45.
- For the dimensions of the hollow shafts, please refer to pages 37-45.
- For the dimensions of the double extension worm shafts, please refer to pages 56

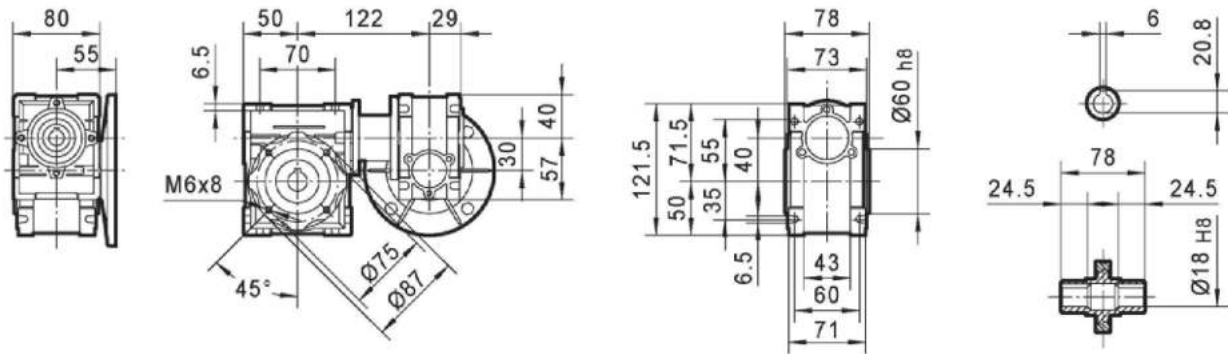
NMRV025 / 030



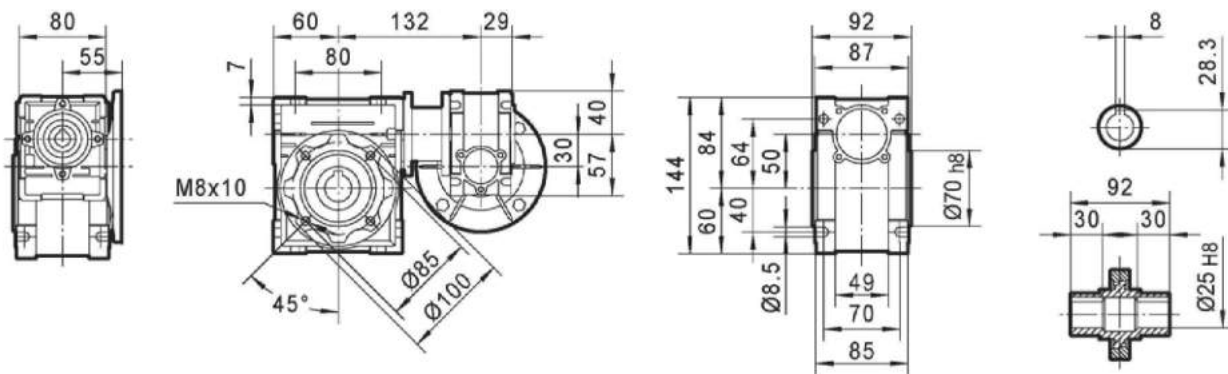
NMRV025 / 040



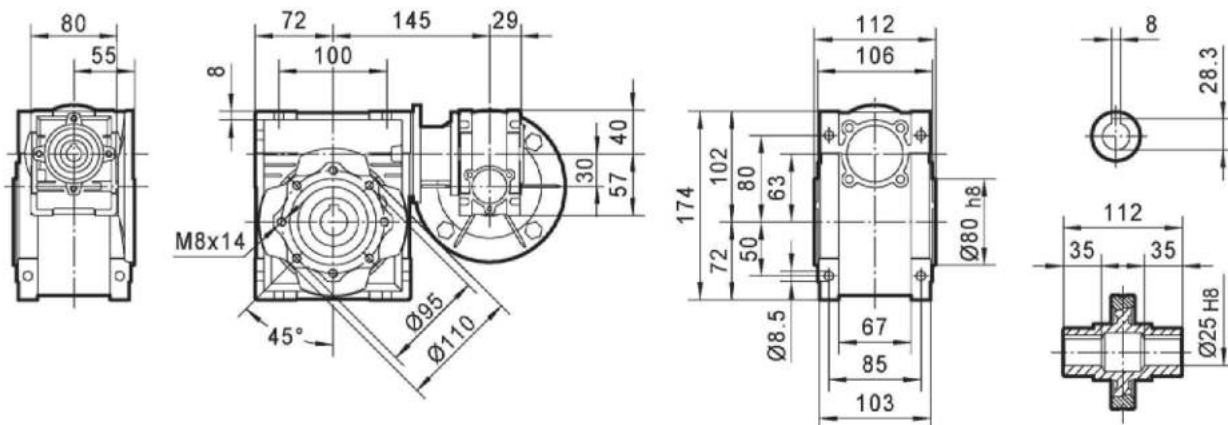
NMRV030 / 040



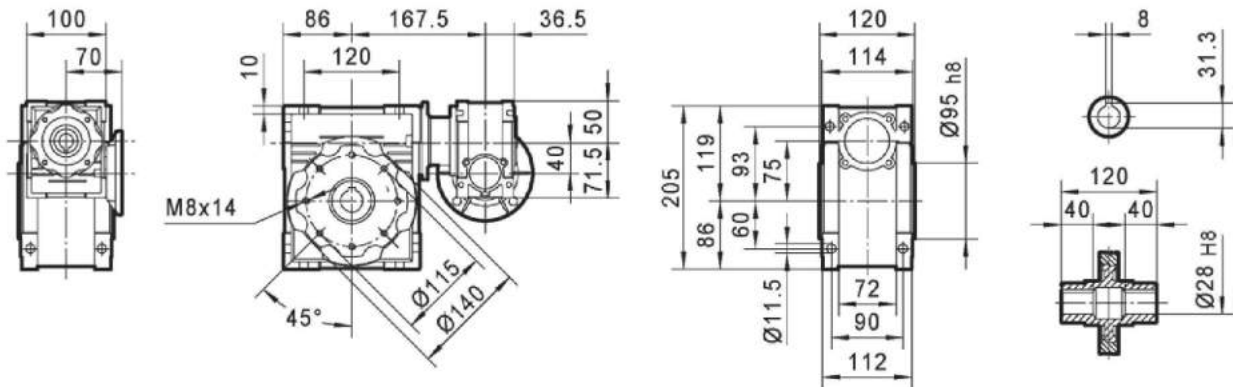
NMRV030 / 050



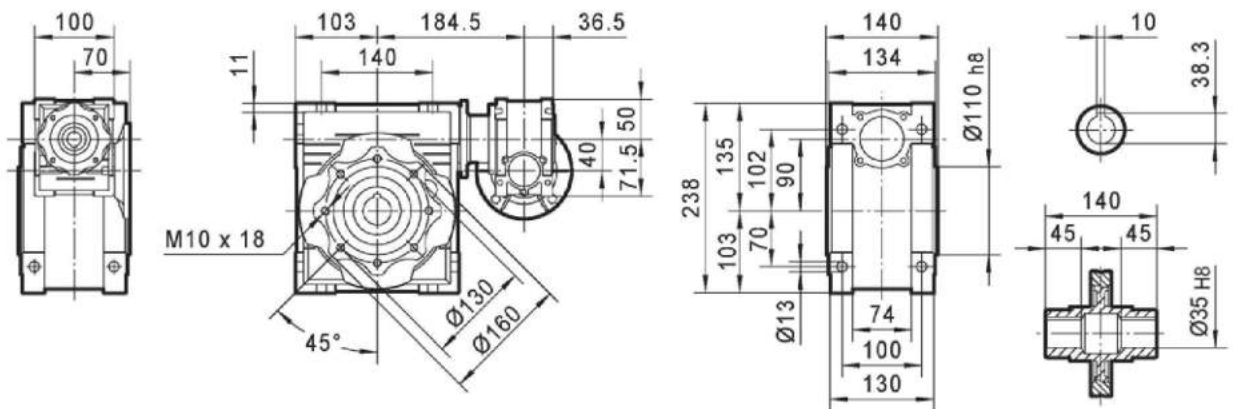
NMRV030 / 063



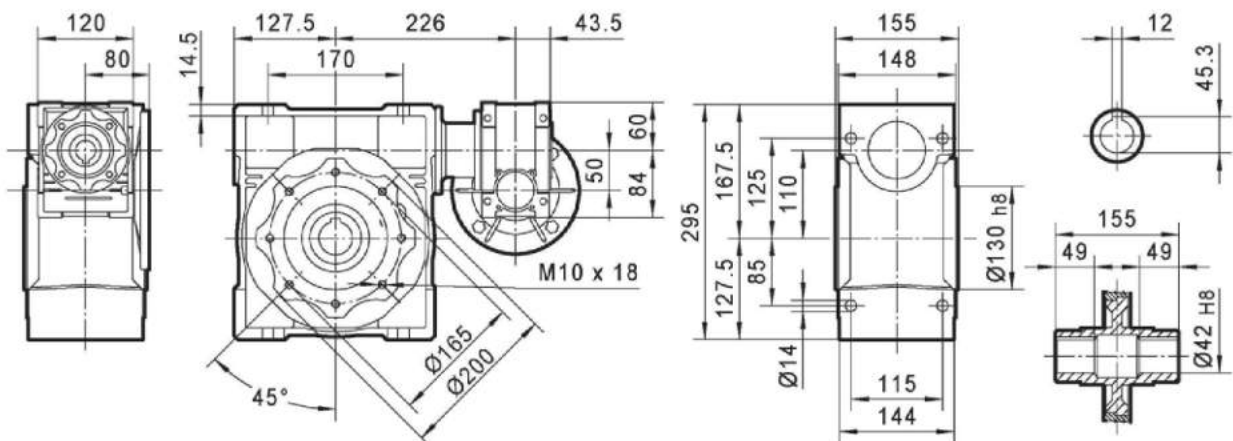
NMRV040 / 075



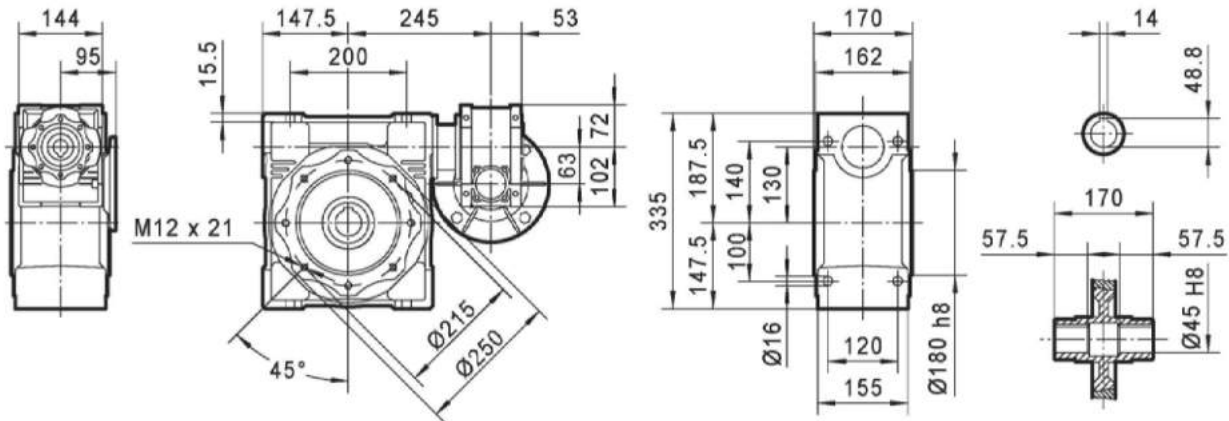
NMRV040 / 090



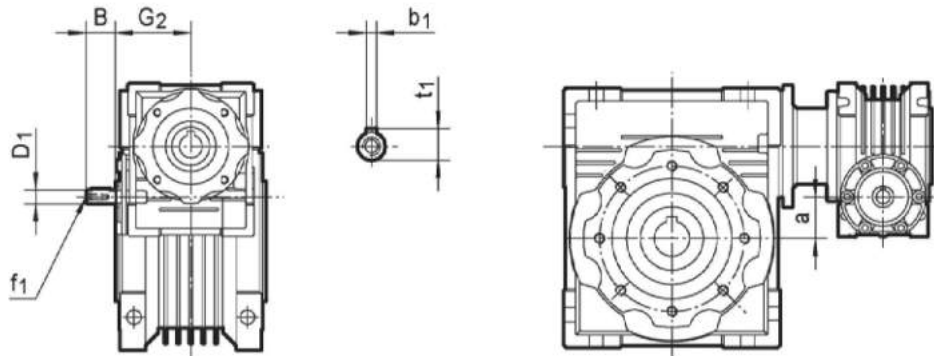
NMRV050 / 110



NMRV063 / 130



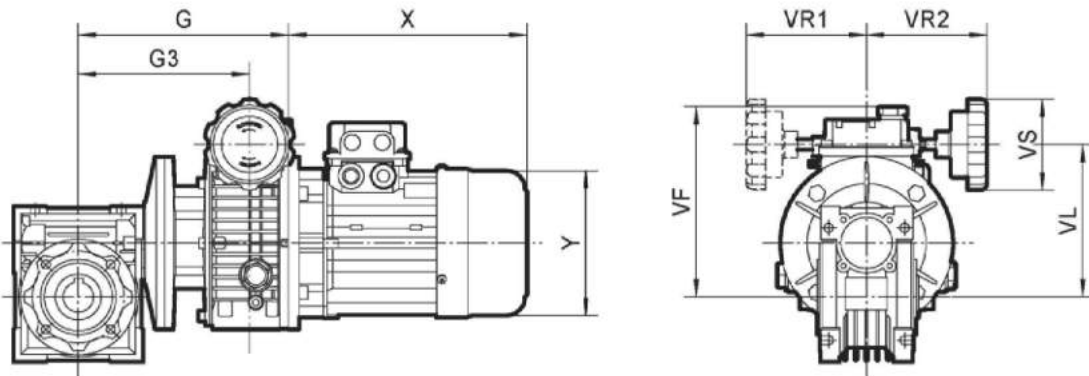
NRV-NMRV COMBINATION WORM GEAR UNITS



NRV - NMRV	030 / 040	030 / 050	030 / 063	040 / 075	040 / 090	050 / 110	063 / 130
B	20	20	20	23	23	30	40
D ₂ j6	9	9	9	11	11	14	19
G ₂	51	51	51	60	60	74	90
a	10	20	33	35	50	60	67
b ₁	3	3	3	4	4	5	6
f ₁	-	-	-	-	-	M6	M6
t ₁	10.2	10.2	10.2	12.5	12.5	16	21.5

For the missing dimensions, please refer to pages 37-45.

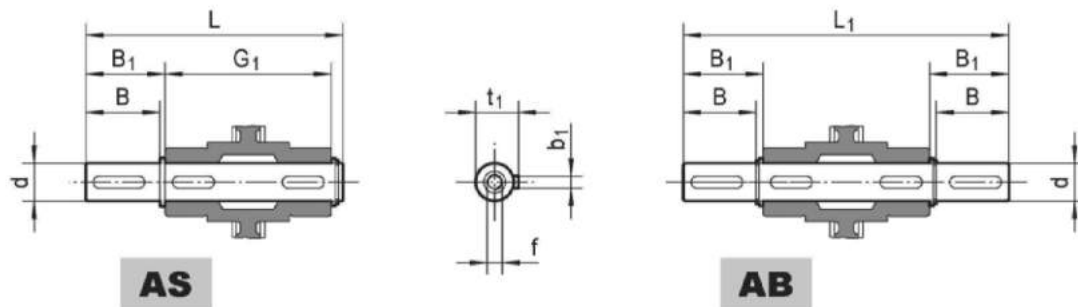
UDL-NMRV COMBINATION OF SPEED VARIATOR AND WORM GEAR UNITS



model	G	G3	VF	VL	VS	VR	VR1	base No. 4P n1=1400r/min	X	Y
UDL0.18-NMRV040	183	135	151	118	85	110	110	63	200	120
UDL0.18-NMRV050	193	145	161	128	85	110	110			
UDL0.37-NMRV050	190	154	173	140	85	110	110	71	227	141
UDL0.37-NMRV063	205	169	186	153	85	110	110			
UDL0.55-NMRV063	234	181	203	170	110	120	120	80	268	160
UDL0.75-NMRV063	234	181	203	170	110	120	120			
UDL0.37-NMRV075	223	187	198	165	85	110	110	71	227	141
UDL0.55-NMRV075	252	198	215	182	110	120	120	80	268	160
UDL0.75-NMRV075	252	198	215	182	110	120	120			
UD1.1-NMRV075	259.5	207.5	199	177	110	150	-	90S	265	195
UD1.5-NMRV075	300.5	227.5	219	197	110	150	-	90L	290	195
UDL0.55-NMRV090	269	215	230	197	110	120	120	80	268	160
UDL0.75-NMRV090	269	215	230	197	110	120	120			
UD1.1-NMRV090	276.5	224.5	214	192	110	150	-	90S	265	195
UD1.5-NMRV090	317.5	244.5	234	212	110	150	-	90L	290	195
UD1.1-NMRV110	307	255	234	212	110	120	-	90S	265	195
UD1.5-NMRV110	348	275	254	232	110	150	-	90L	290	195
UD2.2-NMRV110	368	291	298	260	110	160	-	100L	320	215
UD3.0-NMRV110	368	291	298	260	110	160	-			
UD4.0-NMRV110	368	291	298	260	110	160	-	112M	340	240
UD1.5-NMRV130	368	295	274	252	110	150	-	90L	290	195
UD2.2-NMRV130	388	311	318	280	110	160	-	100L	320	215
UD3.0-NMRV130	388	311	318	280	110	160	-			
UD4.0-NMRV130	388	311	318	280	110	160	-	112M	340	240

For the missing dimensions, please refer to pages 37-45.

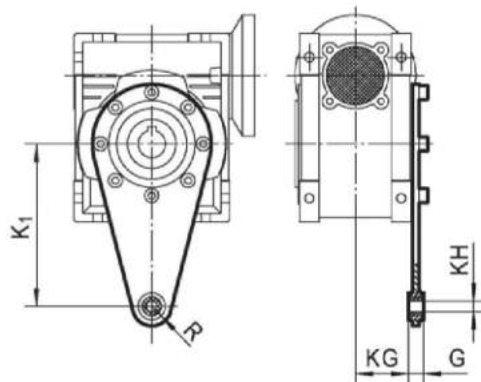
OUTPUT SHAFTS



	d h6	B	B ₁	G ₁	L	L ₁	f	b ₁	t ₁
NMRV025	11 g6	23	25.5	50	81	101	—	4	12.5
	9 *	25 *	30 *	50	85.5 *	101	—	3 *	10.2 *
NMRV030	14	30	32.5	63	102	128	M6	5	16
NMRV040	18	40	43	78	128	164	M6	6	20.5
NMRV050	25	50	53.5	92	153	199	M10	8	28
NMRV063	25	50	53.5	112	173	219	M10	8	28
NMRV075	28	60	63.5	120	192	247	M10	8	31
NMRV090	35	80	84.5	140	234	309	M12	10	38
NMRV110	42	80	84.5	155	249	324	M16	12	45
NMRV130	45	80	85	170	265	340	M16	14	48.5

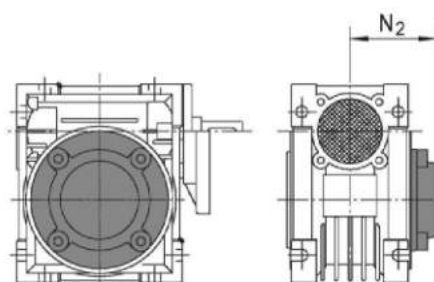
* Only on request

TORQUE ARM



	K ₁	G	KG	KH	R
NMRV025	70	14	17.5	8	15
NMRV030	85	14	24	8	15
NMRV040	100	14	31.5	10	18
NMRV050	100	14	38.5	10	18
NMRV063	150	14	49	10	18
NMRV075	200	25	47.5	20	30
NMRV090	200	25	57.5	20	30
NMRV110	250	30	62	25	35
NMRV130	250	30	69	25	35

COVER



	N ₂		N ₂
NMRV030	47	NMRV075	79
NMRV040	55	NMRV090	94
NMRV050	63	NMRV110	102
NMRV063	73	NMRV130	117

INSTALLATION POSITIONS DIAGRAM

NMRV.. /OR NRV..

NMRV...U - B3		B6	V5	V6
1		1	1	1
B8		B7		
3		1		

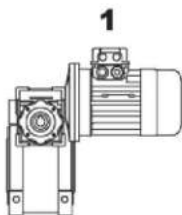
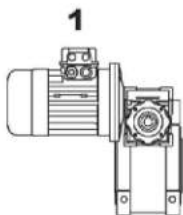
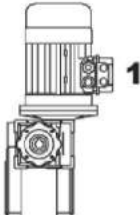
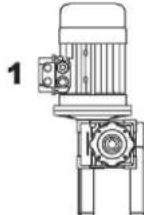
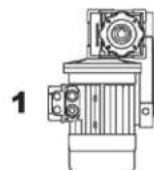
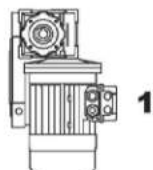
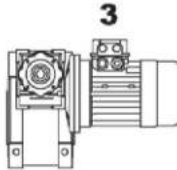
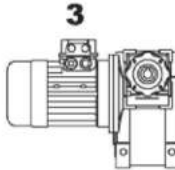
PC.. - NMRV..

NMRV...U - B3		B6	V5	V6
1		1	1	1
B8		B7		
3		1		

"U" version is related to sizes from 025 to 075 and NRV030-063. For these sizes it is not necessary to specify mounting position.

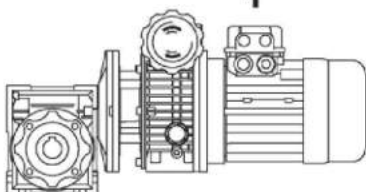
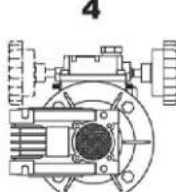
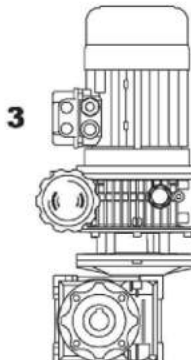
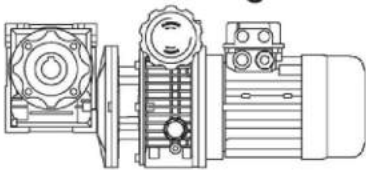
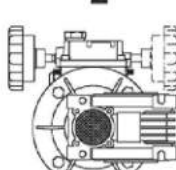
- Unless specified otherwise, the standard positions are B3.
- For positions not envisaged, it is necessary to call our Technical Service.

NMRV... - NMRV.. / NRV.. - NMRV..

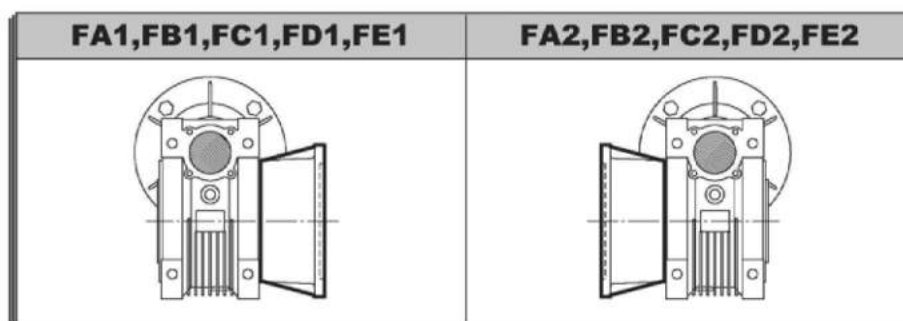
AS1	AS2	VS1	VS2
			
PS1	PS2	BS1	BS2
			

The position of the 1st reducer with respect to the 2nd gear reducer depends on the versions. Unless specified at the time of order, combination groups are supplied in version BS2. The specified mounting position refers to the 1st gear reducer, see page 59 for the possible mounting positions.

UDL.. - NMRV..

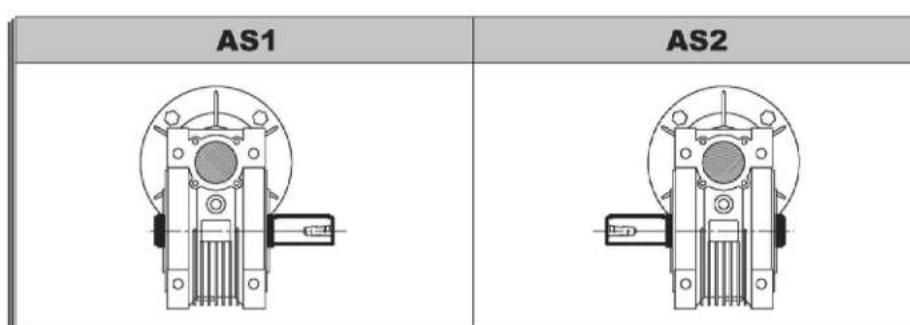
NMRV...U - B3	B6	V5
		
B8	B7	
		

POSITION DIAGRAM FOR OUTPUT FLANGE

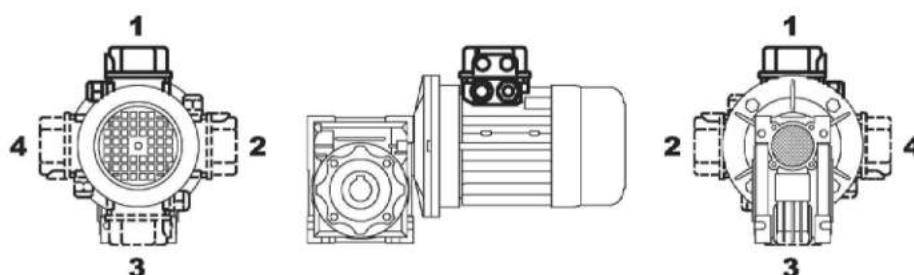


Unless specified otherwise, the reduction unit is supplied with the flange in pos. F..1 referred to position B3

POSITION DIAGRAM FOR SINGLE OUTPUT SHAFT

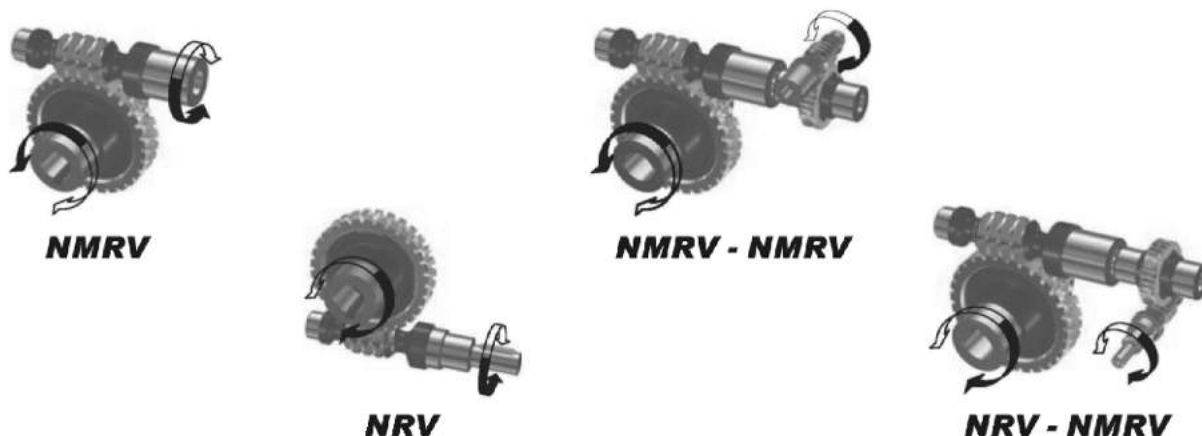


POSITION OF TERMINAL BOX



In the case of specific requirements, when ordering, specify the position of the terminal box as shown in the diagram.

DIRECTION OF ROTATION



PRODUCT PICTURE



UDL..B3



UDL..B5

UDL PERFORMANCE TABLE FOR UDL SERIES SPEED VARIATOR

$n_1 = 1400 \text{ r/min}$

	Model	i	$n_2 \text{ [r/min]}$	$M_2 \text{ [Nm]}$
0.18KW	UDL0.18	1.6 ~ 8.2	880 ~ 170	1.5 ~ 3
0.37KW	UDL0.37	1.4 ~ 7	1000 ~ 200	3 ~ 6
0.55KW	UDL0.55	1.4 ~ 7	1000 ~ 200	4 ~ 8
0.75KW	UDL0.75	1.4 ~ 7	1000 ~ 200	6 ~ 12
1.1KW	UD1.1	1.4 ~ 7	1000 ~ 200	9 ~ 18
1.5KW	UD1.5	1.4 ~ 7	1000 ~ 200	12 ~ 24
2.2KW	UD2.2	1.4 ~ 7	1000 ~ 200	18 ~ 36
3.0KW	UD3.0	1.4 ~ 7	1000 ~ 200	24 ~ 48
4.0KW	UD4.0	1.4 ~ 7	1000 ~ 200	32 ~ 64
5.5KW	UD5.5	1.4 ~ 7	1000 ~ 200	45 ~ 90
7.5KW	UD7.5	1.4 ~ 7	1000 ~ 200	59 ~ 118

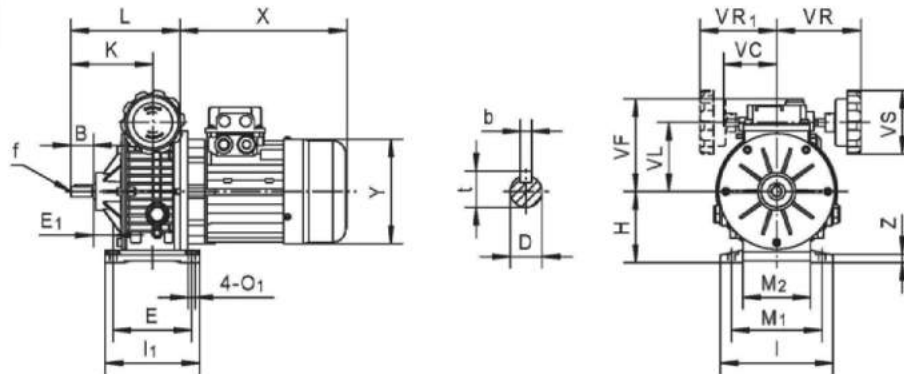
PERFORMANCE TABLE FOR STEPLESS SPEED VARIATOR & GEAR SPEED REDUCER

$n_1 = 1400 \text{ r/min}$

Model	i	$n_2 \text{ [r/min]}$	$M_2 \text{ [Nm]}$
UDL0.18-CB3	5	176 ~ 34	7 ~ 15
UDL0.37-CB3	5	200 ~ 40	15 ~ 30
UDL0.75-CB3	5	200 ~ 40	30 ~ 60

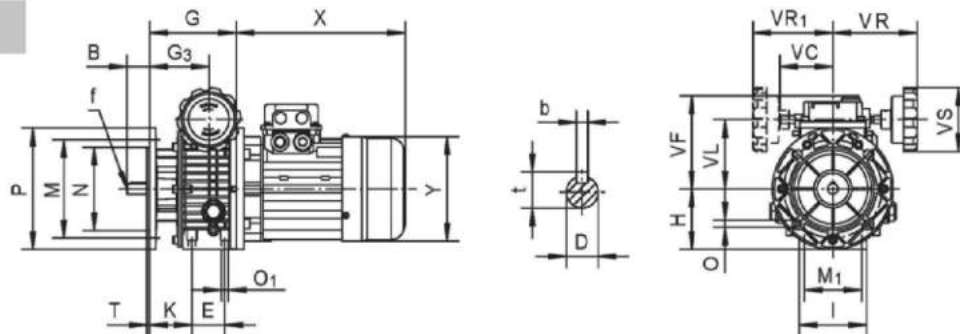
OUTLINE & INSTALLATION SIZES FOR STEPLESS SPEED VARIATOR

B3Model



	B	D _{j6}	E	E ₁	H	I	I ₁	K	L	M ₁	M ₂	O ₁	VC	VF	VL	VR	VR ₁	VS	b	f	t	X	Y	Z
UDL0.18B3	23	11	105	18	80	145	120	88	136	110	71	9	71	111	78	110	110	85	4	-	12.5	200	120	10
UDL0.37B3	30	14	104	20	93	149	125	104	140	120	96	9	71	123	90	110	110	85	5	M6	16	227	141	10
UDL0.75B3	40	19	125	26	113	190	150	126	179	160	135	11	79	140	107	120	120	110	6	M6	21.5	268	160	15
UD1.1B3	40	24	105	35	100	207	130	136	187	160	115	13	-	124	102	150	-	110	8	M8	27	265	195	15
UD1.5B3	50	24	115	54	123	241	150	165	238	190	143	13	-	144	122	150	-	110	8	M8	27	290	195	18
UD2.2B3	60	28	230	25	150	300	270	191	268	245	190	14	-	188	150	150	-	110	8	M8	33	320	215	25
UD3.0B3	60	28	230	25	150	300	270	191	268	245	190	14	-	188	150	150	-	110	8	M8	33	320	215	25
UD4.0B3	60	28	230	25	150	300	270	191	268	245	190	14	-	188	150	150	-	110	8	M8	33	340	240	25
UD5.5B3	70	35	250	33	200	365	290	201	319	315	245	18	-	-	192	192	-	110	10	M10	38	395	275	30
UD7.5B3	70	35	250	33	200	365	290	201	319	315	245	18	-	-	192	192	-	110	10	M10	38	435	275	30

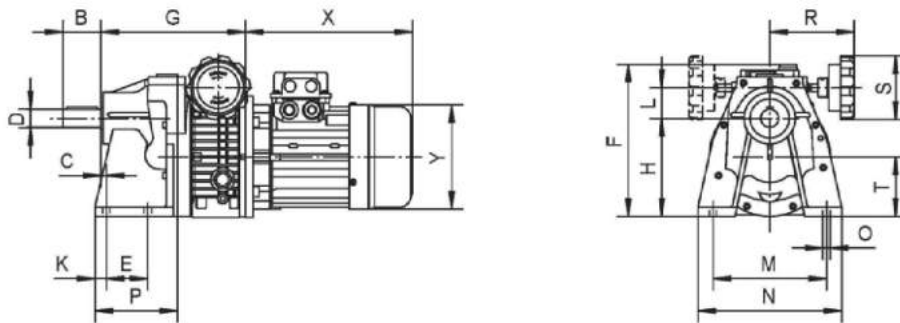
B5Model



	B	D _{j6}	E	G	G ₃	H	I	M	M ₁	N	D	O ₁	P	T	K	VC	VF	VL	VR	VR ₁	VS	b	f	t	X	Y
UDL0.18B5	23	11	50	113	64.5	70	72	115	60	95	9	M6	140	3.5	46	71	111	78	110	110	85	4	-	13	200	120
UDL0.37B5	30	14	40	110	74	80	90	130	77	110	9	M8	160	3.5	53	71	123	90	100	110	85	5	M6	16	227	141
UDL0.75B5	40	19	58	139	85.5	100	98	165	84	130	11	M8	200	3.5	60	79	140	107	120	120	110	6	M6	22	268	160
UD1.1B5	40	24	-	147	95	98	207	165	-	130	11	-	200	3.5	-	-	124	102	150	-	110	8	M8	27	265	195
UD1.5B5	50	24	-	188	115	126	241	165	-	130	11	-	200	3.5	-	-	144	122	150	-	110	8	M8	27	290	195
UD2.2B5	60	28	-	208	131	150	270	165	-	230	15	-	250	4	-	-	188	150	160	-	100	8	M8	33	320	215
UD3.0B5	60	28	-	208	131	150	270	265	-	230	15	-	250	4	-	-	188	150	160	-	100	8	M8	33	320	215
UD4.0B5	60	28	-	208	131	150	270	265	-	230	15	-	250	4	-	-	188	150	160	-	110	8	M8	33	340	240
UD5.5B5	70	35	-	244	131	200	-	300	-	250	19	-	350	5	-	-	-	192	194	-	110	10	M10	38	395	275
UD7.5B5	70	35	-	244	131	200	-	300	-	250	19	-	350	5	-	-	-	192	194	-	100	10	M10	38	435	275

STEPLESS SPEED VARIATOR

COMBINED OUTLINE & INSTALLATION SIZES FOR STEPLESS SPEED VARIATOR & GEAR SPEED REDUCER WITH FOOT SCREWS



Model	B	C	D	E	F	G	H	Y	L	M	N	O	P	R	S	T	X	K
UDL0.18-CB3	40	18	19	45	162	189	108	120	33	115	130	9	80	110	85	66	200	16
UDL0.37-CB3	50	6	24	70	187	190	130	141	39	150	190	10	110	100	85	79	227	15
UDL0.75-CB3	60	7	28	70	228	225	160	160	46	165	210	12	130	130	110	99	268	25

INSTALLATION POSITIONS DIAGRAM

B3	B6S	V5	V1
B5	B6D		
B8	Pos. of hand wheel	Pos. of terminal box	
	Standard pos.=1 		

- For special requirements, orders must specify the position of the terminal box with reference to the diagram. Unless otherwise specified the terminal box, the position of that will be mounted as shown in the diagram for the mounting position.
- Unless specified otherwise, the standard positions are B3 or B5.
- For positions not envisaged, it is necessary to call our Technical Service.