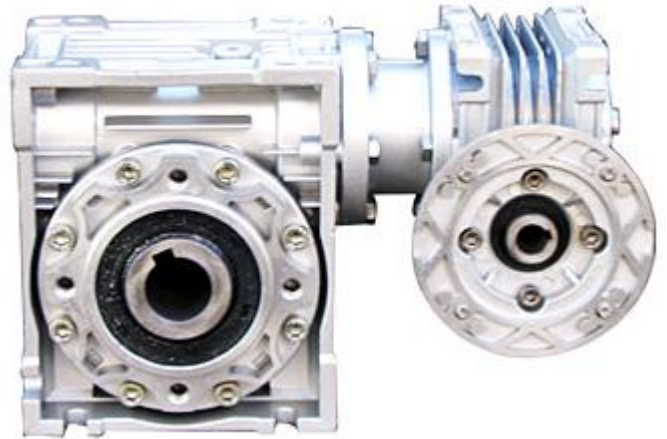


## Combination worm gear units

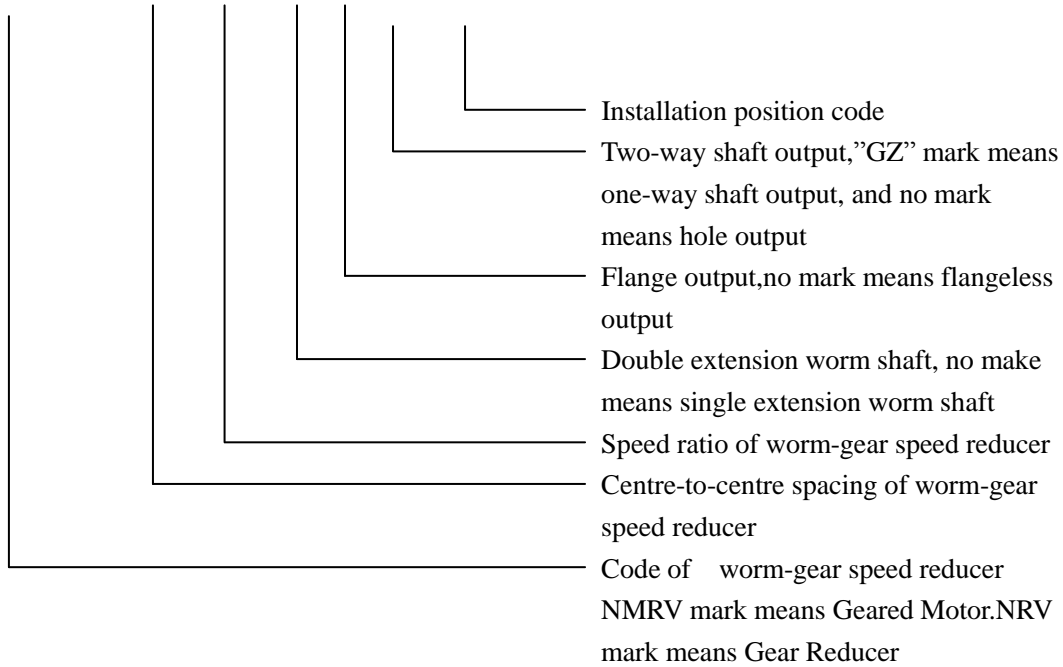


Combination of step less speed reducer and worm gear reducer



Combination worm gear units

NMRV 050/110 – 900 E F1 AZ B5



**Combined performance table for NMRV/NMRV(n1=1400)**

	i	n2	Kw1	M2	i1	i2
NMRV 030/040	300	4.7	0.09	70	10	30
	400	3.5	0.06	63	10	40
	500	2.8	0.06	57	20	25
	600	2.3	0.06	72	20	30
	750	1.9	0.06	72	25	30
	900	1.6	0.06	73	30	30
	1200	1.2	0.06	65	30	40
	1500	0.9	0.06	73	50	30
	1800	0.8	0.06	73	60	30
	2400	0.6	0.06	65	60	40
	3200	0.4	0.06	65	80	40
	i	n2	Kw1	M2	i1	i2
NMRV 030/050	300	4.7	0.18	142	10	30
	400	3.5	0.12	127	10	40
	500	2.8	0.09	123	10	50
	600	2.3	0.09	143	20	30
	750	1.9	0.09	148	25	30
	900	1.6	0.06	141	30	30
	1200	1.2	0.06	118	30	40
	1500	0.9	0.06	139	50	30
	1800	0.8	0.06	155	60	30
	2400	0.6	0.06	124	60	40
	3000	0.5	0.06	120	60	50
	i	n2	Kw1	M2	i1	i2
NMRV 030/063	300	4.7	0.25	210	7.5	40
	400	3.5	0.18	222	10	40
	500	2.8	0.18	205	10	50
	600	2.3	0.12	208	15	40
	750	1.9	0.12	216	15	50
	900	1.6	0.09	200	15	60
	1200	1.2	0.09	236	30	40
	1500	0.9	0.09	204	30	50
	1800	0.8	0.06	202	30	60
	2400	0.6	0.06	220	60	40
	3000	0.5	0.06	223	60	50

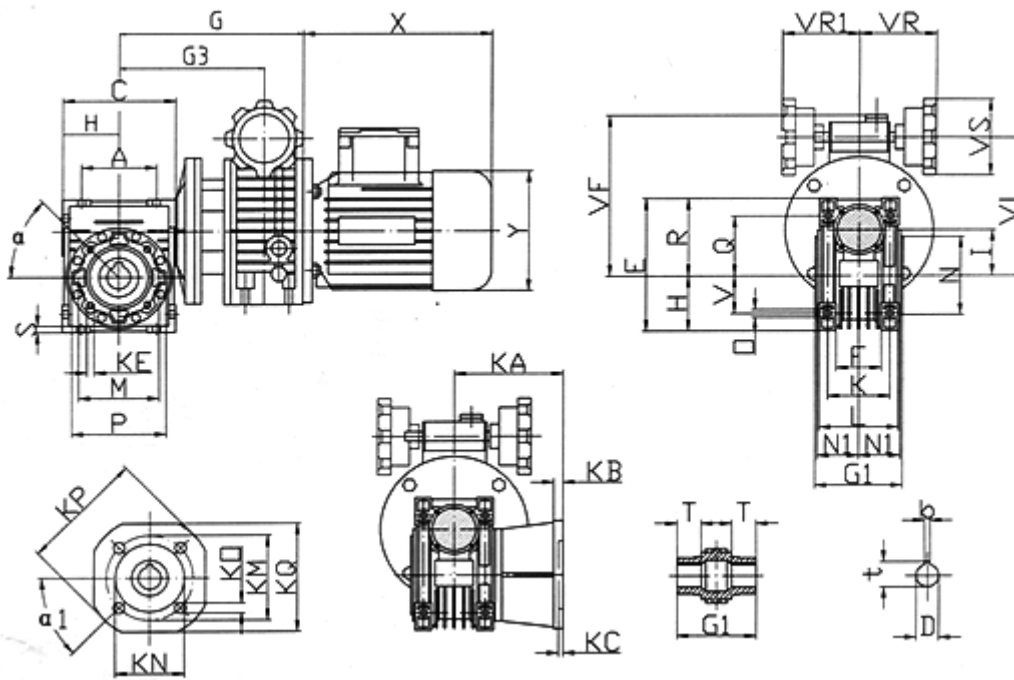


	i	n2	Kw1	M2	i1	i2
NMRV 040/075	300	4.0	0.25	336	10	40
	400	3.5	0.25	336	10	40
	500	2.8	0.25	307	10	50
	600	2.3	0.18	362	20	30
	750	1.9	0.18	391	25	30
	900	1.6	0.12	325	30	30
	1200	1.2	0.12	359	30	40
	1500	0.9	0.09	360	50	30
	1800	0.8	0.09	404	60	30
	2400	0.6	0.06	330	60	40
3000	0.5	0.06	301	60	50	
NMRV 063/110	1500	0.9	0.37	1674	50	30
	3000	0.78	0.37	1689	60	40
	4000	0.55	0.375	1624	60	40
	5000	0.45	0.375	1548	60	50
NMRV 040/090	600	2.3	0.37	605	15	40
	750	1.9	0.25	538	15	50
	900	1.6	0.25	533	15	60
	1200	1.2	0.18	629	30	40
	1500	0.9	0.18	588	30	50
	1800	0.8	0.12	492	30	60
	2400	0.6	0.12	625	60	40

**Maximum speed ratio for NMRV/NMRV**

- NMRV030/040 imax=3200
- NMRV030/050 imax=6400
- NMRV030/063 imax=8000
- NMRV040/075 imax=10000
- NMRV040/090 imax=10000
- NMRV050/110 imax=10000
- NMRV063/130 imax=10000

**Combined outline & installation sizes for**



**NMRV/NMRV**

NMRV 063/110	600	2.3	0.75	1631	15	40
	750	1.9	0.75	1804	25	30
	900	1.6	0.75	1826	30	30
	1200	1.2	0.55	1705	30	40



	A	B	C	C1	D(H7)	D1 (j6)	E	F	G	G1	G2	H	H1	I	I1	L	M	N (h8)	N1	N2	O	P	Q	R	R1
025/030	54	-	80	70	14	-	97	32	45	63	-	40	35	30	25	56	65	55	29	22.5	6.5	75	44	57	48
025/040	70	-	100	70	18(19)	-	121.5	43	45	78	-	50	35	40	25	71	75	60	36.5	22.5	6.5	87	55	71.5	48
030/040	70	20	100	80	18(19)	9	121.5	43	55	78	51	50	40	40	30	71	75	60	36.5	29	6.5	87	55	71.5	57
030/050	80	20	120	80	25(24)	9	144	49	55	92	51	60	40	50	30	85	85	70	43.5	29	8.5	100	64	84	57
030/063	100	20	144	80	25(28)	9	174	67	55	112	51	72	40	63	30	103	95	80	53	29	8.5	110	80	102	57
040/075	120	23	172	100	28(35)	11	205	72	70	120	60	86	50	75	40	112	115	95	57	36.5	11	140	93	119	71.5
040/090	140	23	208	100	35(38)	11	238	74	70	140	60	103	50	90	40	130	130	110	67	36.5	13	160	102	135	71.5
050/110	170	30	252.5	120	42	14	295	-	80	155	74	127.5	60	110	50	144	165	130	74	43.5	14	200	125	167.5	84
063/130	200	40	292.5	144	45	19	335	-	95	170	90	147.5	72	130	63	155	215	180	81	53	16	250	140	187.5	102

	S	T	V	Z	K	KA			KB			KC	KE	a	a1	KM			KN(H8)		
						F	FB	FL	F	FB	FL					F	FB	FL	F	FB	FL
025/030	5.5	21	27	100	44	54.5	-	-	6	-	-	4	M6*11n.4	0°	45°	68	-	-	50	-	-
025/040	6.5	26	35	115	60	67	76.5	97	7	9	7	4(5)	M6*8n.4	45°	45°	87	115	87	60	95	60
030/040	6.5	26	35	120	60	67	76.5	97	7	9	7	4(5)	M6*8n.4	45°	45°	87	115	87	60	95	60
030/050	7	30	40	130	70	90	87.5	120	9	10	9	6(5)	M8*10n.4	45°	45°	90	130	90	70	110	70
030/063	8	36	50	145	85	82	99	112	10	11	10	6(5)	M8*14n.4	45°	45°	150	165	150	115	130	115
040/075	10	40	60	165	90	111	-	-	13	-	-	6	M8*14n.8	45°	45°	165	-	-	130	-	-
040/090	11	45	70	182	100	111	-	-	13	-	-	6	M10*18n.8	45°	45°	175	-	-	152	-	-
050/110	14	50	85	225	115	131	-	-	15	-	-	6	M10*18n.8	45°	45°	230	-	-	170	-	-
063/130	15	60	100	245	120	140	-	-	15	-	-	6	M12*21n.4	45°	45°	255	-	-	180	-	-

	KO			KP			KQ			B	B1	F	t	t1	Kg
	F	FB	FL	F	FB	FL	F	FB	FL						
025/030	65n.4	-	-	80	-	-	70	-	-	5	-	-	16.3	-	2.1
025/040	9n.4	9.5n.4	9n.4	110	140	110	95	-	95	6(6)	-	-	20..8(21..8)	-	3.2



030/040	9n.4	9.5n.4	9n.4	110	140	110	95	-	95	6(6)	3	-	20..8(21..8)	10.2	3.9
030/050	11n.4	9.5n.4	11n.4	125	160	125	110	-	110	8(8)	3	-	28..3(27..3)	10.2	5.0
030/063	11n.4	11n.4	11n.4	180	200	180	142	-	142	8(8)	3	-	28..3(31..3)	10.2	7.8
040/075	14n.4	-	-	200	-	-	170	-	-	8(10)	4	-	31..3(38..3)	12.5	12.0
040/090	14n.4	-	-	210	-	-	200	-	-	10(10)	4	-	38..3(41..3)	12.5	16.0
050/110	14n.8	-	-	280	-	-	260	-	-	12	5	M6	45..3	16.0	39.2
063/130	16n.8	-	-	320	-	-	290	-	-	14	6	M6	48.8	21.5	55.0