

Micro DC Gear Motor

Motor Parameters Table

DC Motor Parameters Table

Model	Applicable gearbox	Rated power (W)	Voltage (V)	Current (A)	Speed (r/min)	Torque (mN.m)	OD (mm)	Motor length	
								06	07
GDM55-06SA GDM55-06SC GDM55-07SA GDM55-07SC	2GN	10	12	1.52	1500	63.63	Φ55	70	
		10	12	1.52	1800	53	Φ55	70	
		10	12	1.52	2200	43.4	Φ55	70	
	Without gearbox	10	12	1.52	3200	29.85	Φ55	70	
	2GN	10	24	0.70	1500	63.63	Φ55	70	
		10	24	0.70	1800	53	Φ55	70	
		10	24	0.70	2200	43.4	Φ55	70	
	Without gearbox	10	24	0.70	3200	29.85	Φ55	70	
	2GN 3GN	15	12	2.30	1500	95.45	Φ55	75	79
		15	12	2.30	1800	79.53	Φ55	75	79
		15	12	2.30	2200	65.1	Φ55	75	79
	Without gearbox	15	12	2.30	3200	44.78	Φ55	75	79
	2GN 3GN	15	24	1.05	1500	95.45	Φ55	75	79
		15	24	1.05	1800	79.53	Φ55	75	79
		15	24	1.05	2200	65.1	Φ55	75	79
	Without gearbox	15	24	1.05	3200	44.78	Φ55	75	79
	2GN 3GN	20	12	3.05	1800	106	Φ55	75	79
		20	12	3.05	2200	86.8	Φ55	75	79
	Without gearbox	20	12	3.05	3200	59.7	Φ55	75	79
	2GN 3GN	20	24	1.40	1800	106	Φ55	75	79
		20	24	1.40	2200	86.8	Φ55	75	79
	Without gearbox	20	24	1.40	3200	59.7	Φ55	75	79
GDM62-06SA GDM62-06SC	2GN	25	12	3.80	1500	159.08	Φ62	86.5	
		25	12	3.80	1800	132.5	Φ62	86.5	
		25	12	3.80	2200	108.5	Φ62	86.5	
	Without gearbox	25	12	3.80	3200	74.6	Φ62	86.5	
	2GN	25	24	1.75	1500	159.08	Φ62	86.5	
		25	24	1.75	1800	132.5	Φ62	86.5	
		25	24	1.75	2200	108.5	Φ62	86.5	
	Without gearbox	25	24	1.75	3200	74.6	Φ62	86.5	
	2GN	30	12	4.50	1500	190.9	Φ62	99.5	
		30	12	4.50	1800	159.08	Φ62	99.5	
		30	12	4.50	2200	130.2	Φ62	99.5	
	Without gearbox	30	12	4.50	3200	89.55	Φ62	99.5	
	2GN	30	24	2.08	1500	190.9	Φ62	99.5	
		30	24	2.08	1800	159.08	Φ62	99.5	
		30	24	2.08	2200	130.2	Φ62	99.5	
	Without gearbox	30	24	2.08	3200	89.55	Φ62	99.5	
	2GN	30	110	0.46	1500	190.9	Φ62	99.5	
		30	110	0.46	1800	159.08	Φ62	99.5	
		30	110	0.46	2200	130.2	Φ62	99.5	
	Without gearbox	30	110	0.46	3200	89.55	Φ62	99.5	
	2GN	30	220	0.23	1500	190.9	Φ62	99.5	
		30	220	0.23	1800	159.08	Φ62	99.5	
		30	220	0.23	2200	130.2	Φ62	99.5	
	Without gearbox	30	220	0.23	3200	89.55	Φ62	99.5	

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Model no.	Applicable gearbox	Rated power (W)	Voltage (V)	Current (A)	Speed (r/min)	Torque (mN.m)	OD (mm)	Motor length	
								07	08
GDM69-07SA GDM69-07SC GDM69-08SA GDM69-08SC	3GN 4GN	25	12	3.8	1500	159.08	Φ69		105
		25	12	3.8	1800	132.5	Φ69		105
		25	12	3.8	2200	108.5	Φ69		105
	Without gearbox	25	12	3.8	3200	74.6	Φ69		105
	3GN 4GN	25	24	1.75	1500	159.08	Φ69		105
		25	24	1.75	1800	132.5	Φ69		105
		25	24	1.75	2200	108.5	Φ69		105
	Without gearbox	25	24	1.75	3200	74.6	Φ69		105
	3GN 4GN	25	110	0.38	1500	159.08	Φ69		105
		25	110	0.38	1800	132.5	Φ69		105
		25	110	0.38	2200	108.5	Φ69		105
	Without gearbox	25	110	0.38	3200	74.6	Φ69		105
	3GN 4GN	25	220	0.19	1500	159.08	Φ69	105	105
		25	220	0.19	1800	132.5	Φ69	105	105
		25	220	0.19	2200	108.5	Φ69	105	105
	Without gearbox	25	220	0.19	3200	74.6	Φ69	105	105
	3GN 4GN	30	12	4.6	1500	190.9	Φ69	105	105
		30	12	4.6	1800	159.08	Φ69	105	105
		30	12	4.6	2200	130.2	Φ69	105	105
	Without gearbox	30	12	4.6	3200	89.55	Φ69	105	105
	3GN 4GN	30	24	2.1	1500	190.9	Φ69	105	105
		30	24	2.1	1800	159.08	Φ69	105	105
		30	24	2.1	2200	130.2	Φ69	105	105
	Without gearbox	30	24	2.1	3200	89.55	Φ69	105	105
	3GN 4GN	30	110	0.45	1500	190.9	Φ69	105	105
		30	110	0.45	1800	159.08	Φ69	105	105
		30	110	0.45	2200	130.2	Φ69	105	105
	Without gearbox	30	110	0.45	3200	89.55	Φ69	105	105
	3GN 4GN	30	220	0.23	1500	190.9	Φ69	105	105
		30	220	0.23	1800	159.08	Φ69	105	105
		30	220	0.23	2200	130.2	Φ69	105	105
	Without gearbox	30	220	0.23	3200	89.55	Φ69	105	105
GDM69-08SA GDM69-08SC	4GN	35	12	5.3	1500	222.7	Φ69		105
		35	12	5.3	1800	185.5	Φ69		105
		35	12	5.3	2200	151.9	Φ69		105
	Without gearbox	35	12	5.3	3200	104.5	Φ69		105
	4GN	35	24	2.45	1500	222.7	Φ69		105
		35	24	2.45	1800	185.5	Φ69		105
		35	24	2.45	2200	151.9	Φ69		105
	Without gearbox	35	24	2.45	3200	104.5	Φ69		105
	4GN	35	110	0.55	1500	222.7	Φ69		105
		35	110	0.55	1800	185.5	Φ69		105
		35	110	0.55	2200	151.9	Φ69		105
	Without gearbox	35	110	0.55	3200	104.5	Φ69		105
	4GN	35	220	0.27	1500	222.7	Φ69		105
		35	220	0.27	1800	185.5	Φ69		105
		35	220	0.27	2200	151.9	Φ69		105
	Without gearbox	35	220	0.27	3200	104.5	Φ69		105

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Model no.	Applicable gearbox	Rated power (W)	Voltage (V)	Current (A)	Speed (r/min)	Torque (mN.m)	OD (mm)	Motor length	
								08	09
GDM69-08SA GDM69-08SC	4GN	40	12	6.1	1500	254.6	Φ69	105	
		40	12	6.1	1800	212	Φ69	105	
		40	12	6.1	2200	173.6	Φ69	105	
	Without gearbox	40	12	6.1	3200	119.4	Φ69	105	
	4GN	40	24	2.78	1500	254.6	Φ69	105	
		40	24	2.78	1800	212	Φ69	105	
		40	24	2.78	2200	173.6	Φ69	105	
	Without gearbox	40	24	2.78	3200	119.4	Φ69	105	
	4GN	40	110	0.61	1500	254.6	Φ69	105	
		40	110	0.61	1800	212	Φ69	105	
		40	110	0.61	2200	173.6	Φ69	105	
	Without gearbox	40	110	0.61	3200	119.4	Φ69	105	
	4GN	40	220	0.3	1500	254.6	Φ69	105	
		40	220	0.3	1800	212	Φ69	105	
		40	220	0.3	2200	173.6	Φ69	105	
	Without gearbox	40	220	0.3	3200	119.4	Φ69	105	
GDM80-08SA GDM80-08SC GDM80-09SA GDM80-09SC	4GN 5GN	40	12	6.1	1500	254.6	Φ80	118	122
		40	12	6.1	1800	212	Φ80	118	122
		40	12	6.1	2200	173.6	Φ80	118	122
	Without gearbox	40	12	6.1	3200	119.4	Φ80	118	122
	4GN 5GN	40	24	2.78	1500	254.6	Φ80	118	122
		40	24	2.78	1800	212	Φ80	118	122
		40	24	2.78	2200	173.6	Φ80	118	122
	Without gearbox	40	24	2.78	3200	119.4	Φ80	118	122
	4GN 5GN	40	110	0.61	1500	254.6	Φ80	118	122
		40	110	0.61	1800	212	Φ80	118	122
		40	110	0.61	2200	173.6	Φ80	118	122
	Without gearbox	40	110	0.61	3200	119.4	Φ80	118	122
	4GN 5GN	40	220	0.3	1500	254.6	Φ80	118	122
		40	220	0.3	1800	212	Φ80	118	122
		40	220	0.3	2200	173.6	Φ80	118	122
	Without gearbox	40	220	0.3	3200	119.4	Φ80	118	122
	4GN 5GN	60	12	9.1	1500	382	Φ80	118	122
		60	12	9.1	1800	318.5	Φ80	118	122
		60	12	9.1	2200	260.5	Φ80	118	122
	Without gearbox	60	12	9.1	3200	179.1	Φ80	118	122
	4GN 5GN	60	24	4.2	1500	382	Φ80	118	122
		60	24	4.2	1800	318.5	Φ80	118	122
		60	24	4.2	2200	260.5	Φ80	118	122
	Without gearbox	60	24	4.2	3200	179.1	Φ80	118	122
	4GN 5GN	60	110	0.91	1500	382	Φ80	118	122
		60	110	0.91	1800	318.5	Φ80	118	122
		60	110	0.91	2200	260.5	Φ80	118	122
	Without gearbox	60	110	0.91	3200	179.1	Φ80	118	122
	4GN 5GN	60	220	0.45	1500	382	Φ80	118	122
		60	220	0.45	1800	318.5	Φ80	118	122
		60	220	0.45	2200	260.5	Φ80	118	122
	Without gearbox	60	220	0.45	3200	179.1	Φ80	118	122

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Model no.	Applicable gearbox	Rated power (W)	Voltage (V)	Current (A)	Speed (r/min)	Torque (mN.m)	OD (mm)	Motor length	
								08/09	08/09
GDM80-09SA GDM80-09SC	5GN	90	12	12.5	1500	573	Φ80	140	
		90	12	12.5	1800	477.5	Φ80	140	
		90	12	12.5	2200	397	Φ80	140	
	Without gearbox	90	12	12.5	3200	268.65	Φ80	140	
	5GN	90	24	5.78	1500	573	Φ80	140	
		90	24	5.78	1800	477.5	Φ80	140	
		90	24	5.78	2200	397	Φ80	140	
	Without gearbox	90	24	5.78	3200	268.65	Φ80	140	
	5GN	90	110	1.25	1500	573	Φ80	140	
		90	110	1.25	1800	477.5	Φ80	140	
		90	110	1.25	2200	397	Φ80	140	
	Without gearbox	90	110	1.25	3200	268.65	Φ80	140	
	5GN	90	220	0.63	1500	573	Φ80	140	
		90	220	0.63	1800	477.5	Φ80	140	
		90	220	0.63	2200	397	Φ80	140	
	Without gearbox	90	220	0.63	3200	268.65	Φ80	140	
	5GN	120	24	7.75	1500	764	Φ80	160	
		120	24	7.75	1800	636.6	Φ80	160	
		120	24	7.75	2200	521	Φ80	160	
	Without gearbox	120	24	7.75	3200	358.2	Φ80	160	
	5GN	120	110	1.55	1500	764	Φ80	160	
		120	110	1.55	1800	636.6	Φ80	160	
		120	110	1.55	2200	521	Φ80	160	
	Without gearbox	120	110	1.55	3200	358.2	Φ80	160	
	5GN	120	220	0.78	1500	764	Φ80	160	
		120	220	0.78	1800	636.6	Φ80	160	
		120	220	0.78	2200	521	Φ80	160	
	Without gearbox	120	220	0.78	3200	358.2	Φ80	160	
GDM90-09SA GDM90-09SC GDM90-10SA GDM90-10SC	5GN 6GU	120	12	15.38	1500	764	Φ90	165	167
		120	12	15.38	1800	636.6	Φ90	165	167
		120	12	15.38	2200	521	Φ90	165	167
	Without gearbox	120	12	15.38	3200	358.2	Φ90	165	167
	5GN 6GU	150	24	9.2	1500	955	Φ90	165	167
		150	24	9.2	1800	795.8	Φ90	165	167
		150	24	9.2	2200	651.5	Φ90	165	167
	Without gearbox	150	24	9.2	3200	447.75	Φ90	165	167
	5GN 6GU	150	110	1.95	1500	955	Φ90	165	167
		150	110	1.95	1800	795.8	Φ90	165	167
		150	110	1.95	2200	651.5	Φ90	165	167
	Without gearbox	150	110	1.95	3200	447.75	Φ90	165	167
	5GN 6GU	150	220	1.0	1500	955	Φ90	165	167
		150	220	1.0	1800	795.8	Φ90	165	167
		150	220	1.0	2200	651.5	Φ90	165	167
	Without gearbox	150	220	1.0	3200	447.75	Φ90	165	167
	6GU	180	24	11.5	1500	1146	Φ90	165	167
		180	24	11.5	1800	955	Φ90	165	167
		180	24	11.5	2200	781.5	Φ90	165	167
	Without gearbox	180	24	11.5	3200	537.3	Φ90	165	167
	6GU	180	110	2.35	1500	1146	Φ90	165	167
		180	110	2.35	1800	955	Φ90	165	167
		180	110	2.35	2200	781.5	Φ90	165	167
	Without gearbox	180	110	2.35	3200	537.3	Φ90	165	167
	6GU	180	220	1.18	1500	1146	Φ90	165	167
		180	220	1.18	1800	955	Φ90	165	167
		180	220	1.18	2200	781.5	Φ90	165	167
	Without gearbox	180	220	1.18	3200	537.3	Φ90	165	167

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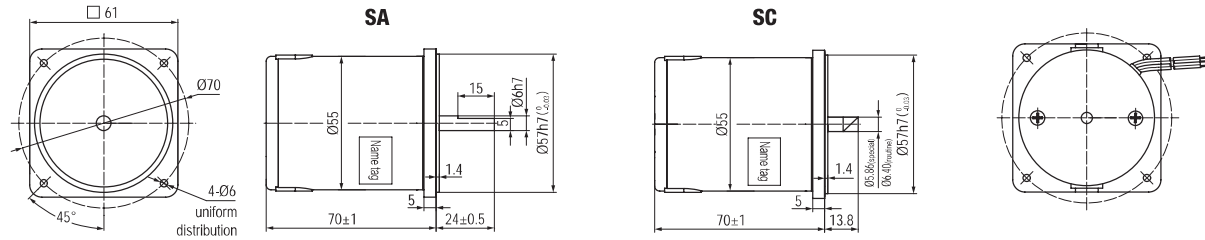
Model no.	Applicable gearbox	Rated power (W)	Voltage (V)	Current (A)	Speed (r/min)	Torque (mN.m)	OD (mm)	Motor length	
								09	10
GDM100-10SA GDM100-10SC	6GU	200	24	12.85	1500	1273.5	Φ104		175
		200	24	12.85	1800	1061	Φ104		175
		200	24	12.85	2200	868.3	Φ104		175
	Without gearbox	200	24	12.85	3200	597	Φ104		175
	6GU	200	110	2.6	1500	1273.5	Φ104		175
		200	110	2.6	1800	1061	Φ104		175
		200	110	2.6	2200	868.3	Φ104		175
	Without gearbox	200	110	2.6	3200	597	Φ104		175
	6GU	200	220	1.3	1500	1273.5	Φ104		175
		200	220	1.3	1800	1061	Φ104		175
		200	220	1.3	2200	868.3	Φ104		175
	Without gearbox	200	220	1.3	3200	597	Φ104		175
	6GU	250	24	16.05	1500	1591.7	Φ104		175
		250	24	16.05	1800	1326.25	Φ104		175
		250	24	16.05	2200	1085.3	Φ104		175
	Without gearbox	250	24	16.05	3200	746.2	Φ104		175
	6GU	250	110	3.25	1500	1591.7	Φ104		175
		250	110	3.25	1800	1326.25	Φ104		175
		250	110	3.25	2200	1085.3	Φ104		175
	Without gearbox	250	110	3.25	3200	746.2	Φ104		175
	6GU	250	220	1.6	1500	1591.7	Φ104		175
		250	220	1.6	1800	1326.25	Φ104		175
		250	220	1.6	2200	1085.3	Φ104		175
	Without gearbox	250	220	1.6	3200	746.2	Φ104		175
	6GU	300	110	4.2	1500	1910	Φ104		175
		300	110	4.2	1800	1591.5	Φ104		175
		300	110	4.2	2200	1302.5	Φ104		175
	Without gearbox	300	110	4.2	3200	895.5	Φ104		175
		300	220	2.1	1500	1910	Φ104		175
		300	220	2.1	1800	1591.5	Φ104		175
		300	220	2.1	2200	1302.5	Φ104		175
		300	220	2.1	3200	895.5	Φ104		175
		350	110	4.6	1800	1856.75	Φ104		175
		350	110	4.6	2200	1519.16	Φ104		175
		350	100	4.6	3200	1044.42	Φ104		175
		350	220	2.3	1800	1856.75	Φ104		175
		350	220	2.3	2200	1519.16	Φ104		175
		350	220	2.3	3200	1044.42	Φ104		175
		400	110	5.2	1800	2122	Φ104		175
		400	110	5.2	2200	1736	Φ104		175
		400	100	5.2	3200	1194	Φ104		175
		400	220	2.6	1800	2122	Φ104		175
		400	220	2.6	2200	1736	Φ104		175
		400	220	2.6	3200	1194	Φ104		175

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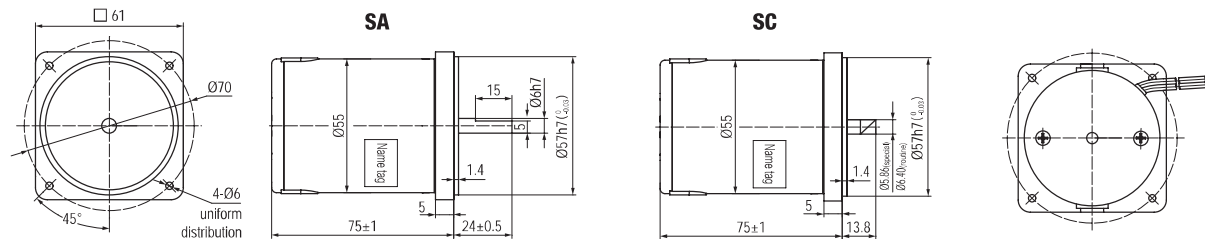
GDM06 Dimension Drawing

Micro Gear Motor

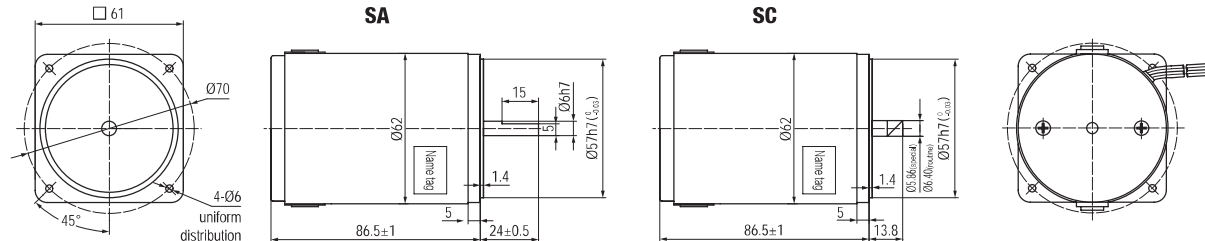
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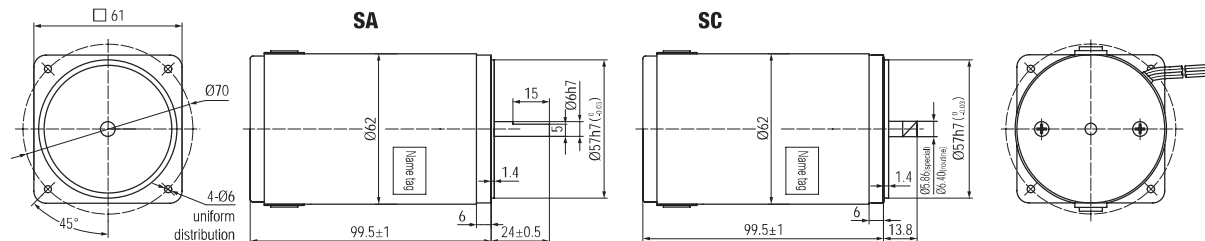
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Model: GDM62/86.5-06SA/SC



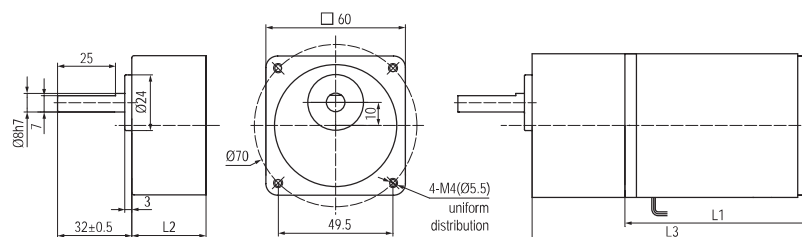
Model: GDM62/99.5-06SA/SC



Gearbox

GN type

Gear motor

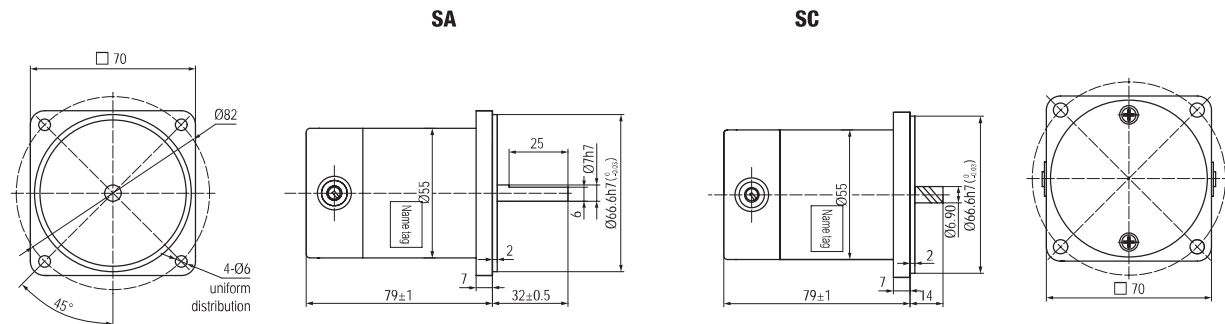


Model no.	Reduction Ratio	L1 mm	L2 mm	L3 mm
GDM55/70-06SC	1:3~1:20	70	32	102
GDM55/75-06SC		75		107
GDM62/86.5-06SC		86		118
GDM62/99.5-06SC	1:25~1:300	99	42	131
GDM55/70-06SC		70		112
GDM55/75-06SC		75		117
GDM62/86.5-06SC		86		128
GDM62/99.5-06SC		99		141

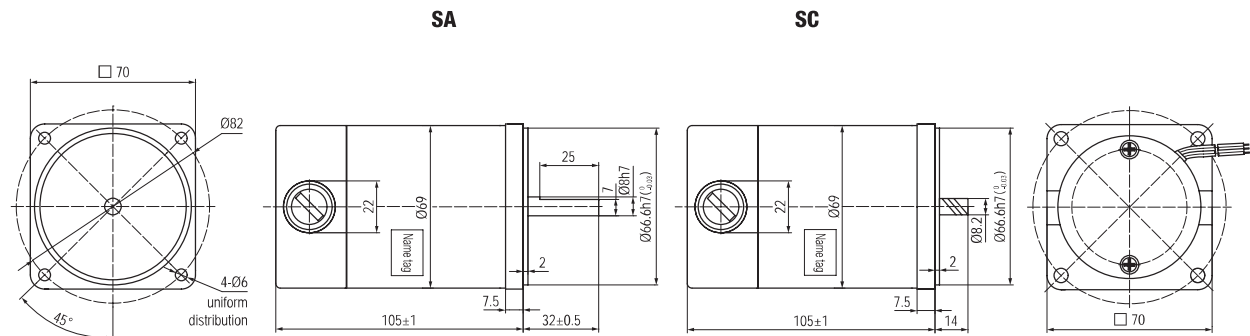
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GDM07 Dimension Drawing

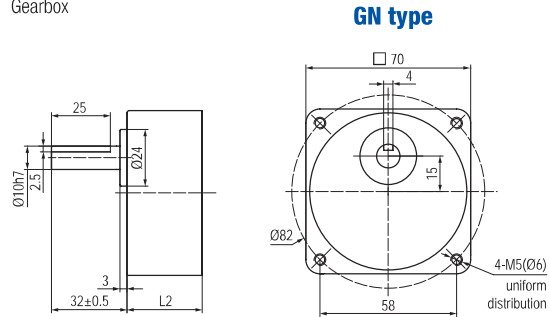
Model: GDM55/79-07SA/SC



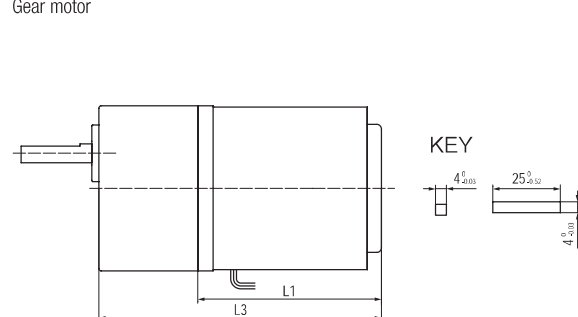
Model: GDM69/105-07SA/SC



Gearbox



Gear motor



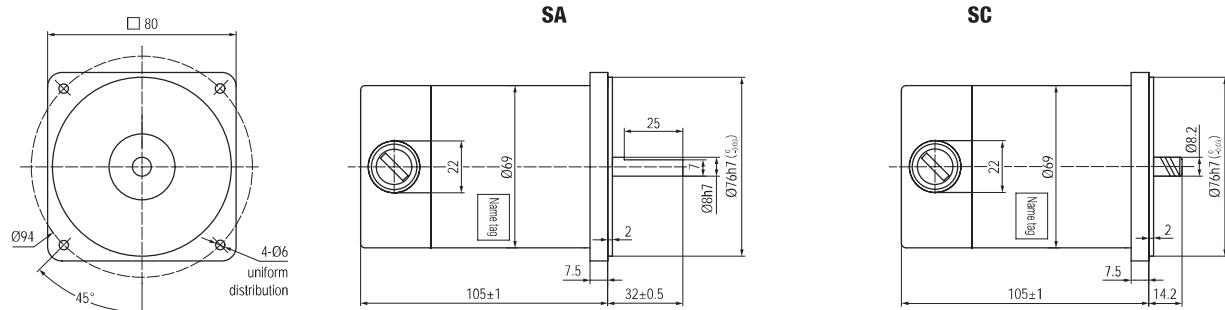
Model no.	Reduction Ratio	L1 mm	L2 mm	L3 mm
GDM55/79-07SC	1:3~1:20	79	32	111
GDM69/105-07SC		105		137
GDM55/79-07SC	1:25~1:300	79	42	121
GDM69/105-07SC		105		147

Micro DC Gear Motor

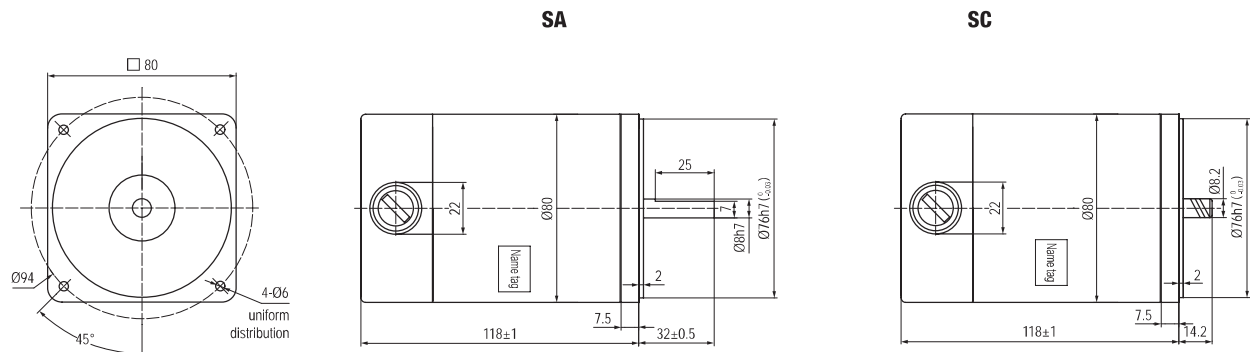
GDM08 Dimension Drawing

Micro Gear Motor

Model: GDM69/105-08SA/SC

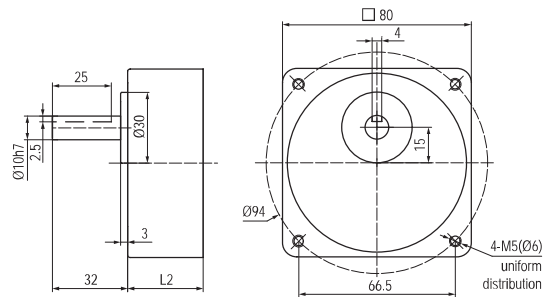


Model: GDM80/118-08SA/SC

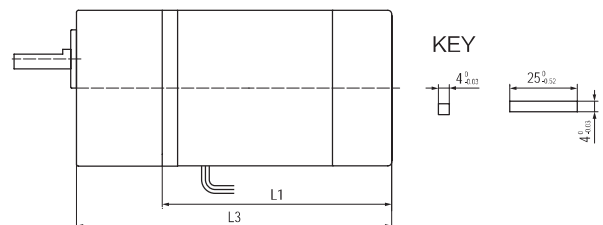


Gearbox

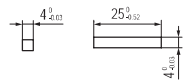
GN type



Gear motor



KEY

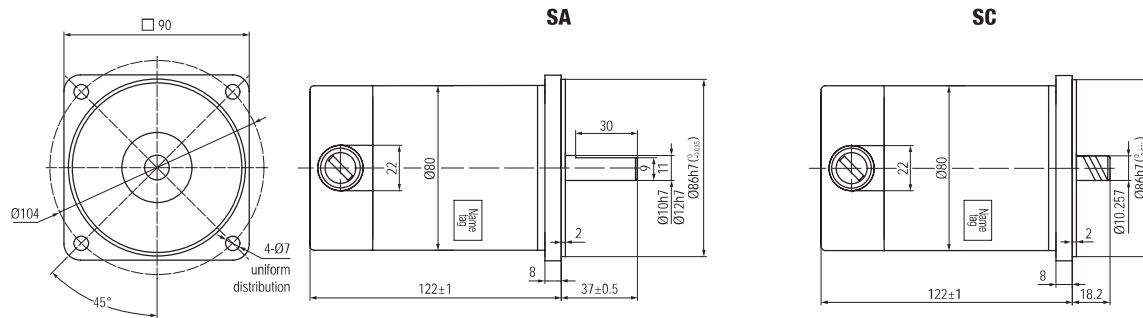


Model no.	Reduction Ratio	L1 mm	L2 mm	L3 mm
GDM69/105-08SC	1:3~1:20	105	32	137
GDM80/118-08SC		118		150
GDM69/105-08SC	1:25~1:300	105	44	149
GDM80/118-08SC		118		162

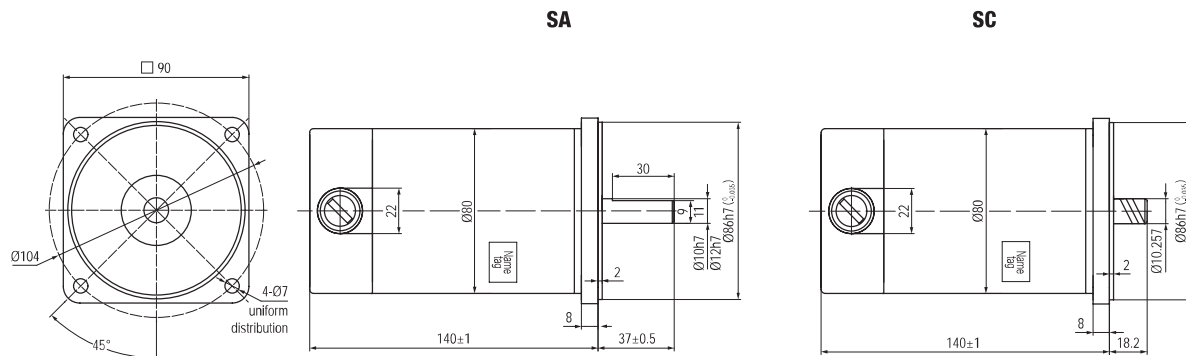
Micro DC Gear Motor

GDM09 Dimension Drawing

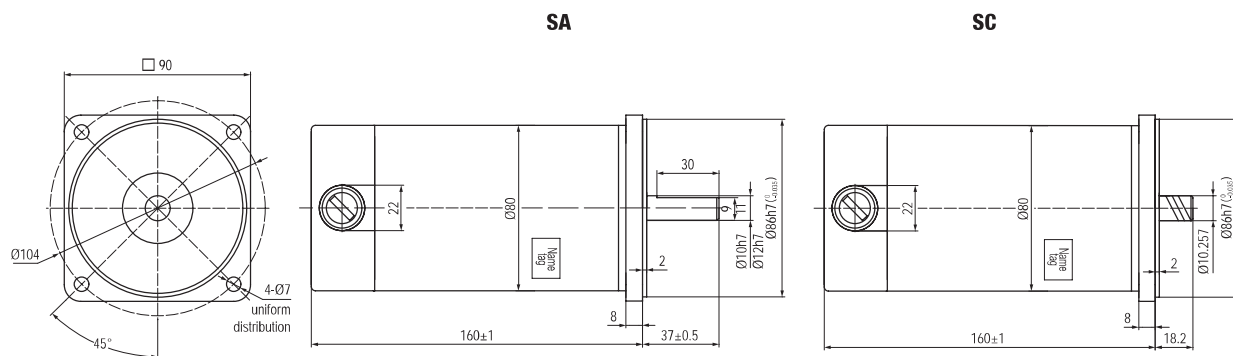
Model: GDM80/122-09SA/SC



Model: GDM80/140-09SA/SC



Model: GDM80/160-09SA/SC

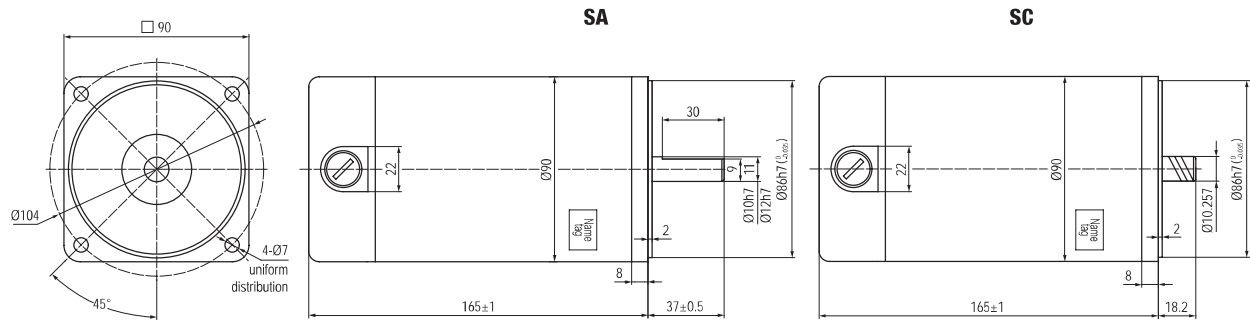


Micro DC Gear Motor

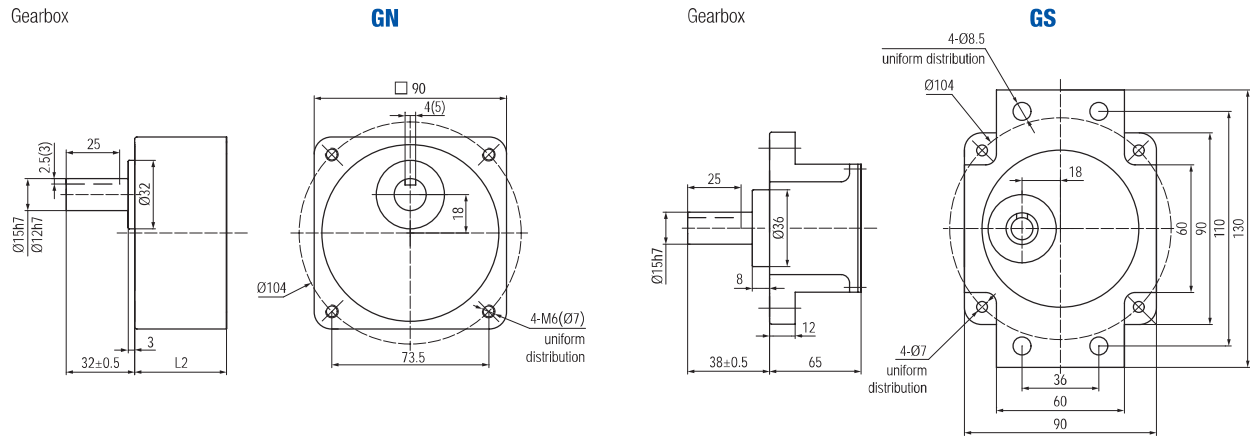
GDM09 Dimension Drawing

Micro Gear Motor

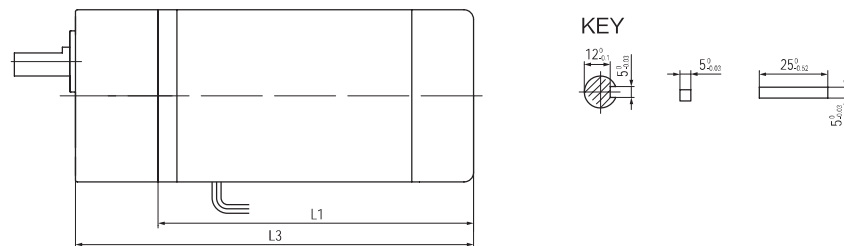
Model: GDM90/165-09SA/SC



Gearbox



Gear motor

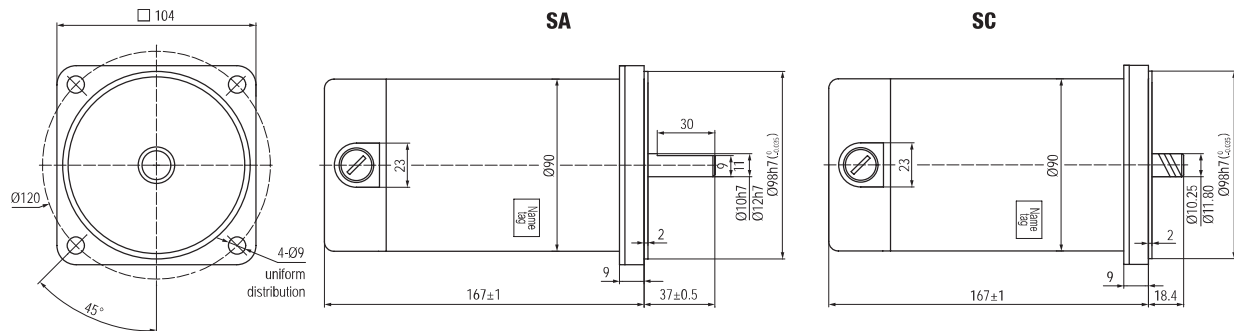


Model no.	Reduction Ratio	L1 mm	L2 mm	L3 mm
GDM80/122-09SC	1:3~1:20	122	43	165
GDM80/140-09SC		140		183
GDM80/160-09SC	1:3~1:20	160	43	203
GDM90/165-09SC		165		208
GDM80/122-09SC	1:25~1:300	122	61	183
GDM80/140-09SC		140		201
GDM80/160-09SC	1:25~1:300	160	61	221
GDM90/165-09SC		165		226

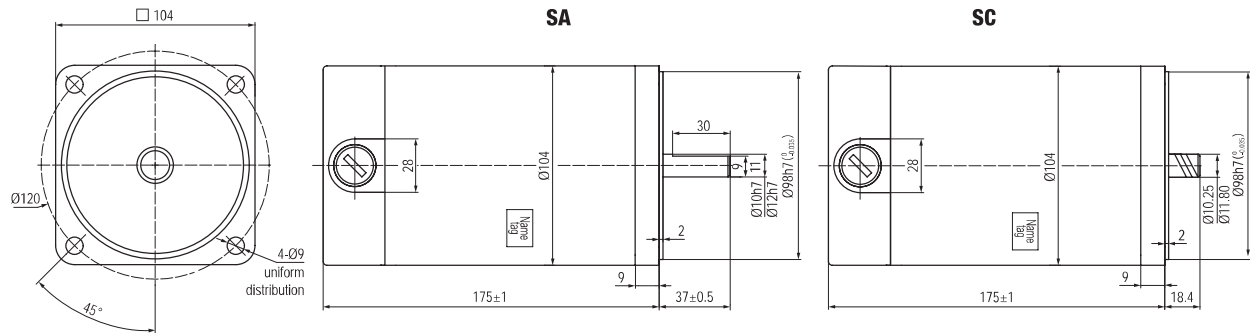
Micro DC Gear Motor

GDM10 Dimension Drawing

Model: GDM90/167-10SA/SC

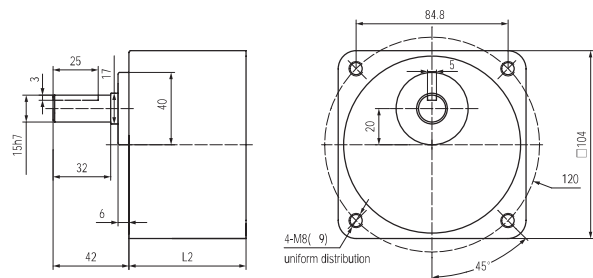


Model: GDM104/175-10SA/SC

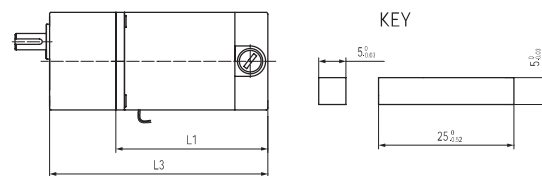


Gearbox

GU type



Gear motor



Model no.	Reduction Ratio	L1 mm	L2 mm	L3 mm
GDM90/167-10SC	1:3~1:20	167	65	232
GDM104/175-10SC		175		240
GDM90/167-10SC	1:25~1:300	167	65	232
GDM104/175-10SC		175		240