

IC 34 Iron Core DC gear motor

0.15Nm

Options:

- Special shafts
- Other supply voltages
- Connection wires



Gear motor data

Motor order number	Gear ratio	Direction of rotation	Nominal voltage (V)	Maximal voltage (V)	Maximal torque continuous (Nm) (nominal load)	Maximum torque intermittent (Nm)	Speed at no load (rpm)	Speed at nominal load	Current at no load (mA)	Current at nominal load (mA)	Maximal radial force (N)	Maximal axial force (N)
9904 120 52401	5.57:1	cw	6	7.2	0.015	0.03	660	520	85	350	2	2
9904 120 52601	5.57:1	cw	12	14.4	0.015	0.03	614	525	55	170	2	2
9904 120 52701	5.57:1	cw	24	28.8	0.015	0.03	646	540	30	90	2	2
9904 120 52402	9:1	cw	6	7.2	0.025	0.05	415	310	85	350	2	2
9904 120 52602	9:1	cw	12	14.4	0.025	0.05	380	310	55	170	2	2
9904 120 52702	9:1	cw	24	28.8	0.025	0.05	400	335	30	90	2	2
9904 120 52403	16.7:1	ccw	6	7.2	0.05	0.1	215	170	85	350	4	4
9904 120 52603	16.7:1	ccw	12	14.4	0.05	0.1	205	170	55	175	4	4
9904 120 52703	16.7:1	ccw	24	28.8	0.05	0.1	218	180	30	90	4	4
9904 120 52404	27.1:1	ccw	6	7.2	0.08	0.16	133	112	85	350	4	4
9904 120 52604	27.1:1	ccw	12	14.4	0.08	0.16	130	107	55	175	4	4
9904 120 52704	27.1:1	ccw	24	28.8	0.08	0.16	135	113	30	90	4	4
9904 120 52405	50:1	cw	6	7.2	0.15	0.3	75	58	85	350	6	6
9904 120 52605	50:1	cw	12	14.4	0.15	0.3	67	57	55	175	6	6
9904 120 52705	50:1	cw	24	28.8	0.15	0.3	73	60	30	90	6	6
9904 120 52406	81:1	cw	6	7.2	0.15	0.3	45	39	85	240	6	6
9904 120 52606	81:1	cw	12	14.4	0.15	0.3	42	39	55	150	6	6
9904 120 52706	81:1	cw	24	28.8	0.15	0.3	44	41	30	67	6	6
9904 120 52407	150.4:1	ccw	6	7.2	0.15	0.3	24	21	85	165	8	8
9904 120 52607	150.4:1	ccw	12	14.4	0.15	0.3	23	22	55	90	8	8
9904 120 52707	150.4:1	ccw	24	28.8	0.15	0.3	24	23	30	50	8	8
9904 120 52408	243:1	ccw	6	7.2	0.15	0.3	15	14	85	140	8	8
9904 120 52608	243:1	ccw	12	14.4	0.15	0.3	15	14	55	80	8	8
9904 120 52708	243:1	ccw	24	28.8	0.15	0.3	15	14	30	42	8	8
9904 120 52409	451.25:1	cw	6	7.2	0.15	0.3	8.2	8.1	85	120	10	10
9904 120 52609	451.25:1	cw	12	14.4	0.15	0.3	8	7.8	55	75	10	10
9904 120 52709	451.25:1	cw	24	28.8	0.15	0.3	8	7.8	30	35	10	10
9904 120 52411	729:1	cw	6	7.2	0.15	0.3	4.8	5	85	110	10	10
9904 120 52611	729:1	cw	12	14.4	0.15	0.3	4.8	5	55	70	10	10
9904 120 52711	729:1	cw	24	28.8	0.15	0.3	4.8	5	30	33	10	10

Motor data

Motor order number	Nominal voltage	Rotor resistance	Speed at no load (rpm)	Stall torque (mNm)	Torque constant (mNm/A)
9904120534	6	3.6	3800	23	14
9904120536	12	15	3550	23	30
9904120537	24	59	3550	23	61

General data

Type of bearings	Sleeve	
Commutation system	Graphite/ copper	
Gear material	Plastic	
Axial play	0.5	Mm
Ambient temp.range operating	-2/+60	°C
Ambient temp.range storage	-40/+70	°C
Thermal resistance winding-ambient	30	K/W
Mass of gear motor	125	G

Dimensional drawing

