

Housing ϕ 12mm DC Brush Motor xFF-N40/-N50/ xRF-N60

OUTPUT : 0.5W~8W (APPROX)

BRUSH TYPE : 貴金属ブラシ / Precious Metal Brush Motor (FF-N40/N50/RF-N60)

: カーボンブラシ / Graphite Brush Motor (FK-N40/N50/RK-N60)

WEIGHT (APPROX) : 5.4g (FF-N40/FK-N40) / 11g (FF-N50/FK-N50) / 13g (RF-N60/RK-N60)

代表的用途 / Typical Application

オーディオ関連機器 / 車載用 CD プレーヤー、
光学機器 / デジタルカメラ、カムコーダ
家電機器、精密測定器、小型模型、玩具 /

Audio&Visual Equipment / CarCD Player、
Digital Camera、Camcorder、
Household App / Precision Instrument、Model&Toy

Motor Parameter

No.	Standard Model No.	Product No.	Outline Size			Rated Voltage (V)	No Load		at Max Efficiency				at Stall			
			Motor OD	Housing Length	Shaft OD		No Load Speed	No Load Current	Rated Speed	Rated Current	Rated Torque		Output	Starting Torque		Starting Current
			(mm)	(mm)	(mm)		(rpm)	(A)	(rpm)	(A)	(mN-m)	(g·cm)	(W)	(mN-m)	(g·cm)	(A)
Typical Model FF-N40																
58	DC-TFF-N40WA	3220	12.0	22.0	1.0	3.7	53400	0.81	37976	3.94	2.00	20.40	4.87	11.80	120.00	19.20
59	DC-TFF-N40WA	2528			1.0	3.7	32000	0.28	27300	1.51	1.44	14.70	4.12	9.80	100.00	8.80
60	DC-TFF-N40PA	06330			1.0	12.0	10670	0.02	8200	0.07	0.56	5.70	0.48	2.45	25.00	0.25
61	DC-TFF-N40PA	2331			1.0	3.7	35500	0.20	30600	1.20	1.03	10.50	3.31	7.45	76.00	7.50
62	DC-QFF-N40NAV	25024		22.1	1.0	3.7	32000	0.30	27600	1.89	1.62	16.52	4.68	11.83	120.70	11.94
63	DC-QFF-N40NAV	15085			1.0	2.4	5900	0.10	4800	0.47	1.25	12.76	0.63	7.09	72.30	2.18
Typical Grade xFK-N40																
64	DC-QFK-N40NA	19038	12.0	22.1	1.0	5.5	35000	0.35	28600	1.55	1.65	16.79	4.93	8.94	91.20	6.88
65	DC-QFK-N40NA	15065			1.0	3.0	11200	0.10	9100	0.41	0.72	7.34	0.69	3.84	39.20	1.80
66	DC-QFK-N40QA	18047			1.0	1.5	7000	0.07	6000	0.40	0.57	5.78	0.36	4.01	40.90	2.40
67	DC-QFK-N40QA	27027			1.0	3.7	30000	0.37	25200	1.93	1.67	17.09	4.42	10.43	106.40	10.11
Typical Grade xFF-N50																
68	DC-TFF-N50PA	2826	12.0	25.0	1.0	3.7	35037	0.60	28690	3.09	1.77	18.10	5.33	9.80	100.00	14.00
69	DC-TFF-N50PA	1859			1.0	7.4	30800	0.18	25800	0.92	1.82	18.60	4.94	11.30	115.00	4.80
70	DC-TFF-N50PA	2145			1.0	7.4	40300	0.19	35000	1.30	1.98	20.20	7.33	15.70	160.00	9.00
71	DC-QFF-N50NA	25024			1.0	3.7	32000	0.28	27500	1.72	1.46	14.92	4.21	10.45	106.60	10.57
72	DC-QFK-N50NA	19040			1.0	5.5	34000	0.30	27800	1.34	1.47	14.96	4.27	8.02	81.80	5.98
73	DC-QFK-N50QA	27028			1.0	3.7	29000	0.34	24800	1.98	1.83	18.72	4.76	12.53	127.90	11.50
Typical Grade xRF-N60																
74	DC-QRF-N60NAV	16070	12.0	30.0	1.5	7.2	20600	0.20	16500	0.82	1.88	19.15	3.24	9.54	97.30	3.33
75	DC-QRF-N60NAV	14100			1.5	6.0	12000	0.10	9600	0.40	1.28	13.11	1.29	6.40	65.30	1.58
Typical Grade xRK-N60																
76	DC-QRK-N60NA	21045	12.0	30.0	1.5	5.0	23000	0.27	18900	1.26	1.87	19.11	3.71	10.59	108.10	5.85

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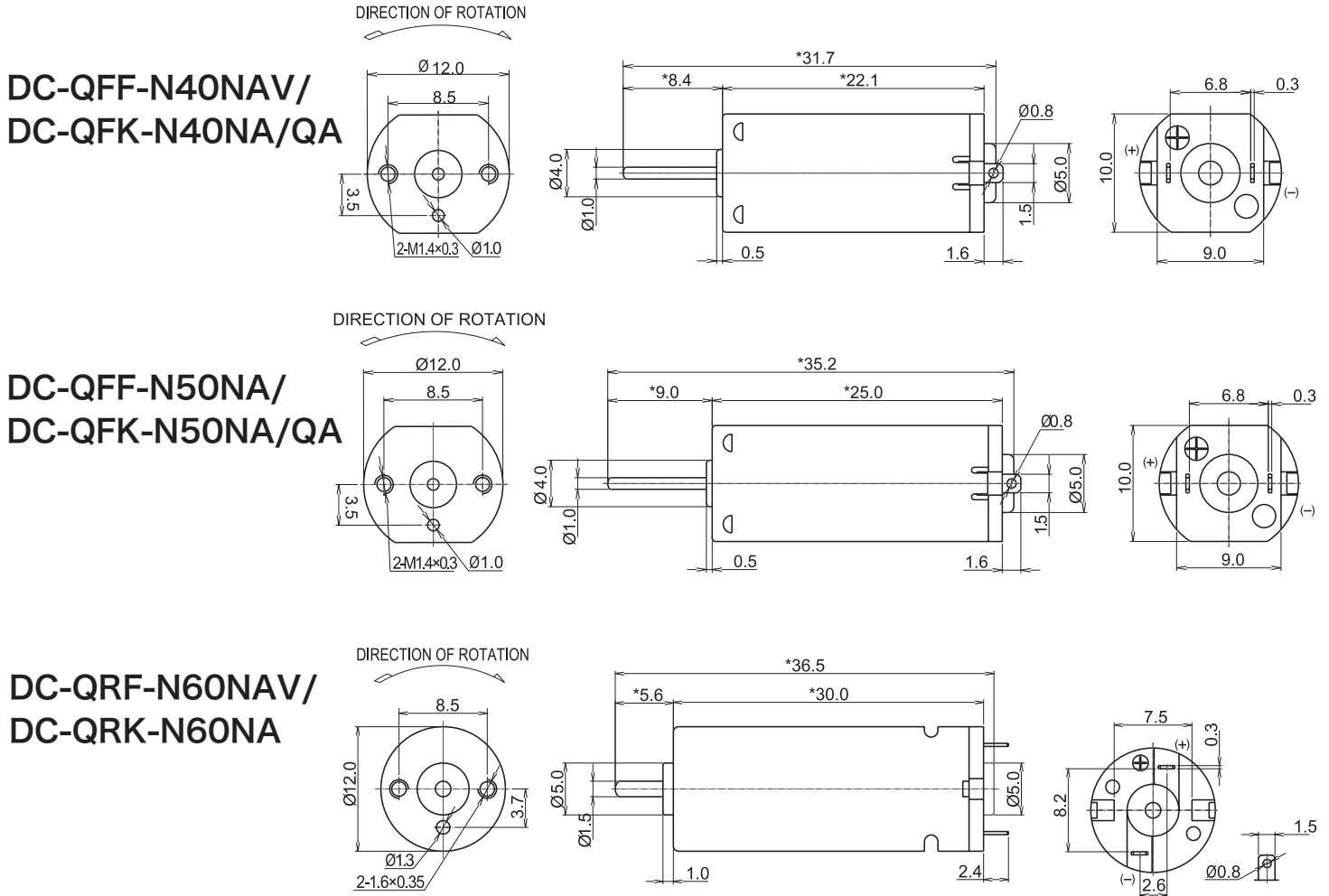
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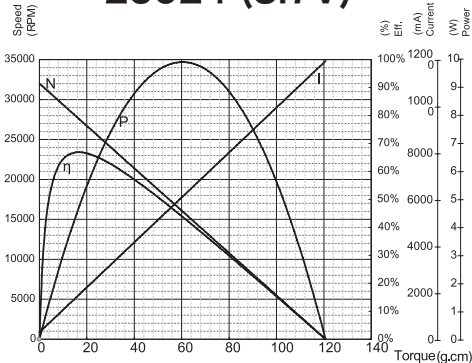
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OUTLINE

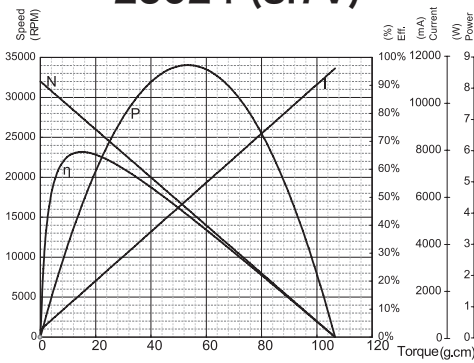


Typical Performance

**DC-QFF-N40NAV
-25024 (3.7V)**



**DC-QFF-N50NA
-25024 (3.7V)**



**DC-QRF-N60NAV
-16070 (7.2V)**

