

CCL Motors

CCL Drives

For Floor Care & Professional Cleaning Industry



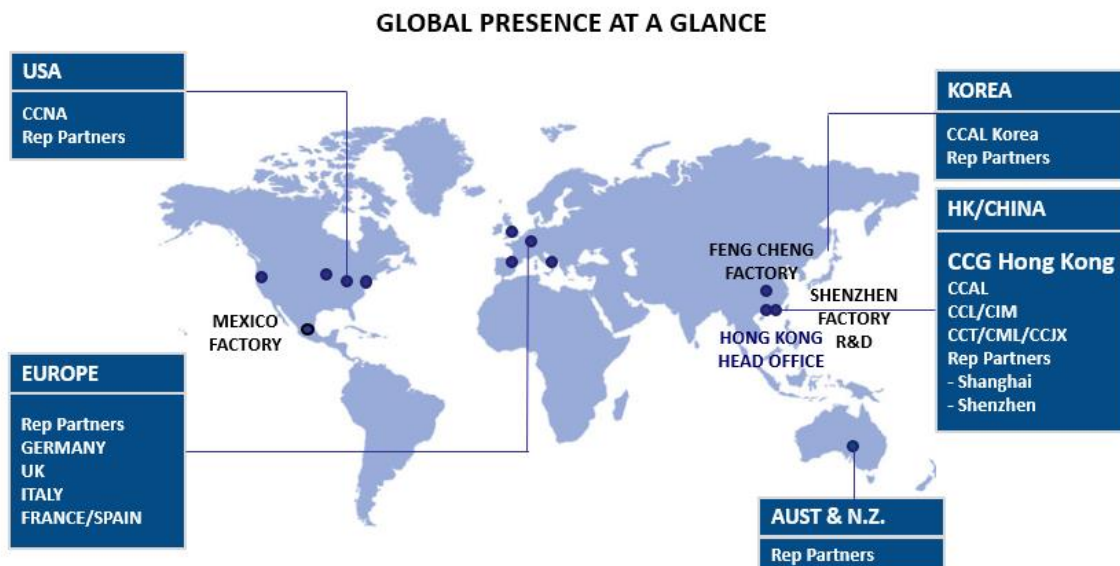
Driving the future

of High-Performance Electric Motors Worldwide

Chiaphua Components Group (CCG) specializes in innovative motor solutions, including **PMDC, BLDC, vacuum cleaner motors, gear motors, transaxles, hub drive motors, linear actuators and more**, delivering exceptional quality and reliability to Floor Care & Professional Cleaning Industry.

At CCG, we craft innovative, high-performance motor solutions that power progress across industries. Discover our legacy, advanced capabilities, and unwavering commitment to excellence.

Our dedication to quality, sustainability, and customer satisfaction underpins everything we do.



Vacuum Cleaner Motors for Floor Care Product

	Motor Series	Voltage	Rated Speed	Rated Input Power	Stage	Suction	Volume Flow Rate	Blower Diameter	MIS Catalogue
	V-Motor	V	rpm	kg-cm / lb-in		Kpa / in-H ₂ O	dm ³ /s CFM	mm/Inch	Page No.
	V1 By pass	100-240V AC (50/60Hz) 12-36V	14000-30000	300-1400	Single/ Double	25.50/ 102.36	65.0 / 137.73	143.3-151.0/ 5.64-5.94	60
	V3 Through Flow	100-240V AC (50/60Hz) 12-36V	14000-32000	300-1700	Single/ Double	30.89/ 124.02	65.0/ 137.73	144.5-152.1/ 5.69-5.99	61
	V3 By pass	100-240V AC (50/60Hz) 12-36V	14000-32000	300-1700	Double/ Triple	29.42/ 118.11	50.0/ 105.94	144.5-152.1/ 5.69-5.99	62
	V3 By pass (Tangential)	100-240V AC (50/60Hz) 12-36V	14000-32000	300-1700	Double/ Triple	33.34/ 133.86	58.0/ 122.90	144.5-152.1/ 5.69-5.99	63
	V4 Through Flow	100-240V AC (50/60Hz)	25000-48000	300-1700	Single	31.38/ 125.98	58.5/ 124.02	130-144.5/ 5.12-5.69	64
	V4 Through flow (BMC)	100-240V AC (50/60Hz)	23000-48000	400-1400	Single	25.47/ 102.26	50.0/ 106.0	120.0/ 4.72	65
	V4 By pass	100-240V AC (50/60Hz)	23000-48000	400-1500	Single	23.0/ 90.73	70.0/ 148.4	130.0/ 5.12	66
	V9 By Pass (Tangential)	100-240V AC (50/60Hz) 12-48V DC	25000	200-800	Double	19.0/ 76.0	39.0/ 82.68	144.5/ 5.7	67

All product information is for reference only, detailed specification is subject to final confirmation.
Custom frames available on request.

Brushless Vacuum Cleaner Motors

for Floor Care Product

	Motor Series	Voltage	Rated Speed	Rated Input Power	Stage	Suction	Volume Flow Rate	Blower Diameter	MIS Catalogue
	V-Motor	V	rpm	kg-cm / lb-in		Kpa / in-H2O	dm3/s CFM	mm/ Inch	Page No.
	BV2137 Through flow	230V AC (50/60Hz)	32000-45000	610	Single	25.6/ 101.0	54.7/ 116.0	135.2/ 5.32	68
	BV3116 Through Flow	12-30V DC	120000	150-350	Single	28.0/ 113.0	23.2/ 49.2	65.0/ 2.56	69
	BV3123 Through Flow	100-220V AC (50/60Hz) 12-48V DC	25000-32000	230	Single	15.69/ 62.99	45.0/ 95.35	130.0/ 5.12	70
	BV3123 By pass	24V DC	20000-42000	200	Single	12.97/ 51.80	23.6/ 50.0	86.0/ 3.39	71
	BV3123 By pass (Tangential)	24V DC	20000-42000	200	Single	13.97/ 55.1	20.6/ 43.6	86.0/ 3.39	72
	BV3133 By pass	100-240V AC (50/60Hz) 12-48V DC	14000-32000	300-1700	Double/ Triple	29.42/ 118.11	50.0/ 105.94	144.5-152.1/ 5.69-5.99	73
	BV3133 By pass (Tangential)	100-240V AC (50/60Hz) 12-36V DC	14000-32000	300-1700	Double/ Triple	33.34/ 133.86	58.0/ 122.9	144.5-152.1/ 5.69-5.99	74

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Gear Motors for Floor Care Product



Motor Series	Voltage	Rated Speed	Rated Torque	Rated Output Power	Gear Ratio	Motor Diameter	MIS Catalogue
Gear Motor	V	rpm	kg-cm / lb-in	W		mm/ Inch	Page No.
GD45D-12	24-48V DC	94	120.0/ 104.2	115	24.43:1	115.0/ 4.53	83
GP77I	100-240V AC (50/60Hz)	115-490	90.0/ 78.12	800-1500	8:1, 12:1, 10:1, 7.5:1, 6.6:1	195.5/ 7.7	87
GS40D-12	12-72V DC	85-220	240.0-265.0/ 208.31-230.0	100-300	24.4:1	101.6/ 4.0	92
GS46D-13	12-72V DC	150-250	194.9-237.58/ 169.16-206.21	100-550	10.1:1	117.9/ 4.6	93
GS46D-15	24-36V DC	130-290	140.0-200.0/ 121.5-173.6	200-550	10.1:1	117.9/ 4.6	94
GS56/61D-06	12-110V DC	150-350	178.6-262.6/ 155.0-228.0	300-800	5.17:1	139.2/158.5 5.48/6.24	95
GS62D-01	31.5V DC	315	127.0/ 110.2	411	9.875:1	159.2/ 6.2	96
GW30D-22	12-36V DC	40-58	30.0-120.0/ 26.0-104.0	20-65	49:1	78.1/ 3.0	100
GW40D-02	12-36V DC	100-200	279.8/ 247.89	150-500	21.5:1	102.0/ 4.0	103
GW40D-14	12-60V DC	80-200	249.19/ 216.31	150-500	22.3:1	102.5/ 4.03	104
GW46D-26	36V DC	160	304.0/ 263.6	300-500	10:1	117.9/ 4.64	105
GW48D-26	36V DC	500	80.0/ 69.4	400-600	10:1	123.0/ 4.84	106

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Transaxles for Floor Care Product

Motor Series	Voltage	Rated Speed	Rated Torque	Loading Capacity	Rated Output Power	Gear Ratio	Motor Diameter	MIS Catalogue
Transaxle	V	rpm	kg-cm / lb-in	kg-cm / lb-in	W		mm/ Inch	Page No.
GT25B-25	36V DC	184-225	110.0/ 95.9	425.1/ 369.0	230	20.7:1	63.5/ 2.5	107
GT25D-06 (Optional Break)	12-24V DC	150-230	82.1-113.4/ 71.26-98.43	315.0/ 273.41	100-300	17.75:1	64.9/ 2.56	108
GT25D-17 (Optional Break)	12-24V DC	150-230	82.1-113.4/ 71.26-98.43	315.0/ 273.41	100-300	17.75:1	64.9/ 2.56	109
GT33/ GT40D-01	12-36V DC	100-200	160.0-214.0/ 138.87-185.74	805.4/ 699.05	150-500	19.75:1	83.8/ 3.3	110
GT33D-02	12-36V DC	160-180	170.8-209.0/ 148.12-181.40	854.3/ 741.5	200-350	16.75:1	83.8/ 3.3	111
GT33/ GT40D-05	12-36V DC	100-200	178.7-196.0/ 155.1-170.1	933.4/ 810.2	150-400	19.75:1	83.8/ 3.3	112
GT33D-11	12-48V DC	80-150	163.0/ 141.4	453.0/ 392.8	150-250	18:1	83.8/ 3.3	113
GT40B-01	24-48V DC	230	105.0/ 91.0	510.5/ 443.1	260	19.75:1	102.6/ 4.04	114
GT40D-10	12-36V DC	90-220	335.47/ 291.17	335.47/ 291.17	260-1000	19.75:1	101.6/ 4.0	115

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Transaxles for Floor Care Product

Motor Series	Voltage	Rated Speed	Rated Torque	Loading Capacity	Rated Output Power	Gear Ratio	Motor Diameter	MIS Catalogue
Transaxle	V	rpm	kg-cm / lb-in	kg-cm / lb-in	W		mm/ Inch	Page No.
GT48D-03	12-36V DC	70-120	1125.0/ 975.6	5115.0/ 4439.62	600-1200	29.9:1	122.9/ 4.84	116
GT48D-15	24-48V DC	163-220	312.9-542.2/ 271.58-470.61	2259.6/ 1961.24	800-1500	15.3:1, 20.9:1	122.9/ 4.84	117
GT48D-18	12-36V DC	70-220	600.0-1200.0/ 520.8-1041.0	5115.0/ 4439.82	600-1200	29.88:1	122.9/ 4.84	118
GT56D-20	24-48V DC	134	1500.0/ 1300.9	13312.5/ 11556	2100	29.17:1	142.5/ 5.61	119
GT56E-07	24-36V DC	80-150	3085.0/ 2675.3	15428.6/ 13379.7	2500	29.2:1	141.5/ 5.57	120
GT58B-18	24-48V DC	125	1125.0/ 976.5	5411.6/ 4697.6	1450	30.43:1	147.0/ 5.787	121
GT66I-19	32-48V DC	50-150	1500-4000/ 1302-3472	-	1500-2500	29.17:1	162.0/ 6.37	122
GT66D-09	48V DC	100-200	750.0-1490.0/ 651.0-1293.3	10605/ 9205.14	1200-2300	17.25:1	171.0/ 6.73	123

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Hub Drive Motors for Floor Care Product



Motor Series	Voltage	Rated Speed	Rated Torque	Loading Capacity	Rated Output Power	Gear Ratio	Insulation Class	Motor Diameter	MIS Catalogue
Hub Motor	V	rpm	kg-cm / lb-in	kg-cm / lb-in	W			mm / Inch	Page No.
GP66D-01	24-48V DC	120-140	397.68 / 345.17	2220.9 / 1927.66	600-1000	18.0:1		250.0 / 9.84	126
GP66D-02	24-48V DC	110-150	712.06 / 618.04	5585.0 / 4847.56	800-1200	16.7:1		250.0 / 9.84	127
GP66D-03	24-48V DC	110-230	480.31-508.7 / 416.89-441.53	5137.30 / 4458.97	600-1000	14.4:1		250.0 / 9.84	128
GP38B-03	24-48V DC	165	122 / 105.9	348.38 / 302.6	150-400	17:1		207 / 8.15	New
BM3E55	24V DC	300			80W		B	150 / 5.9	New

Linear Actuators for Floor Care Product



Motor Series	Voltage	Rated Speed	Stroke Length	Loading Capacity	Insulation Class	Motor Diameter	MIS Catalogue
Linear Actuator	V	mm/sec	mm/inch	kg-cm / lb-in		mm / Inch	Page No.
AS15T-03	24V DC	4-15	45.0 / 1.77	136.0 / 300.0	A,B,H	40.0 / 1.57	131
AW15T-17	12-36V DC	10-34	85.0 / 3.35	32.2 / 71.0	A,B,H	40.0 / 1.57	132
AW25T-17	12-36V DC	5-20	54.0 / 2.13	167.8 / 370.0	A,B,H	64.9 / 2.56	133

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