21C, for World geared motor!

BLDC MOTOR

SPG Co., Ltd.

BLDC MOTOR

Coding System / Motor Definition 20
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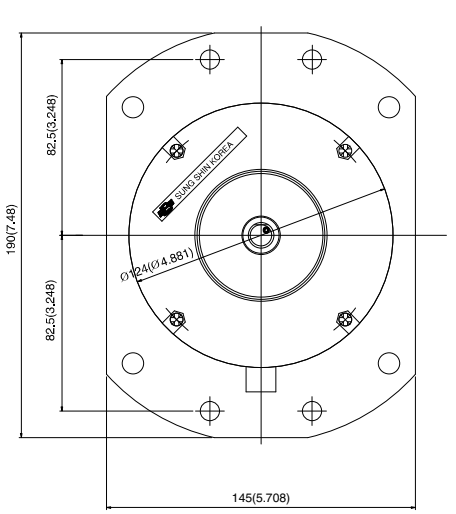
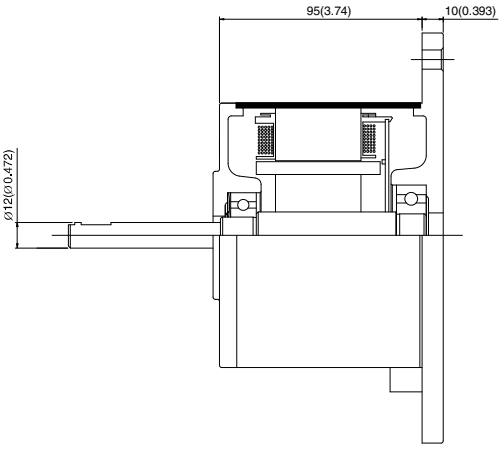
DL-12A

SPG Co., Ltd.

■ DIMENSION

UNIT : mm[inch]





■ CHARACTERISTIC

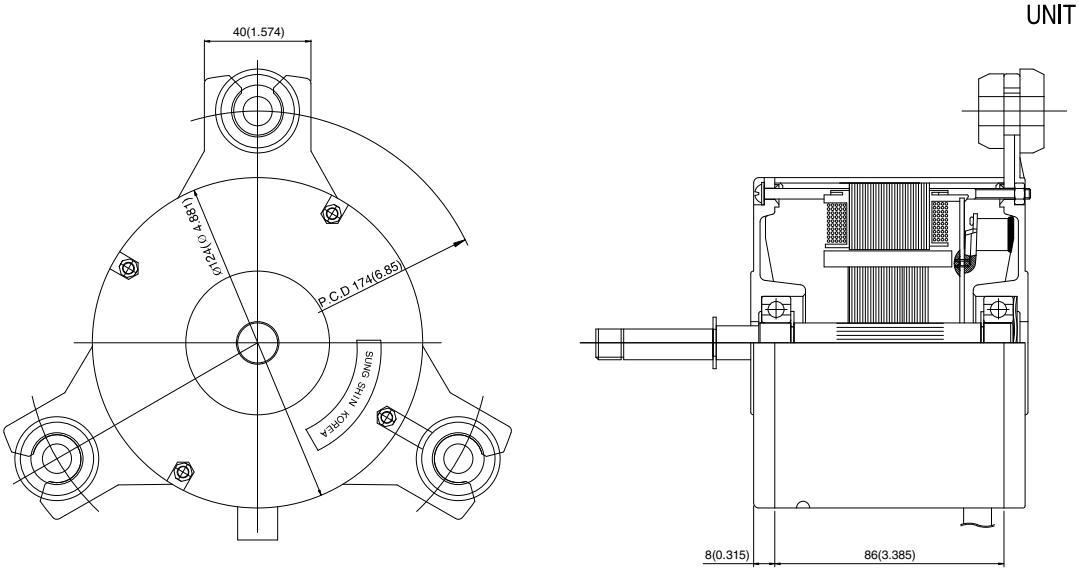
Type	Voltage	Frequency	Load					Ins. Class	P.C.B Of Drive	X
			Torque		Speed	Input	Output			
	(V)	(Hz)	(kg.cm)	(N.m)	(Rpm)	(Wi)	(Wo)			
DL-12830	DC 380	-	7	0.686	1020	100	73	E	External	-
DL-12840	DC 380	-	10	0.98	1180	150	121	E	External	-
DL-12840	DC 380	-	19	1.86	1180	280	230	E	External	-

DL-12B

SPG Co., Ltd.

■ DIMENSION

UNIT : mm[inch]



■ CHARACTERISTIC

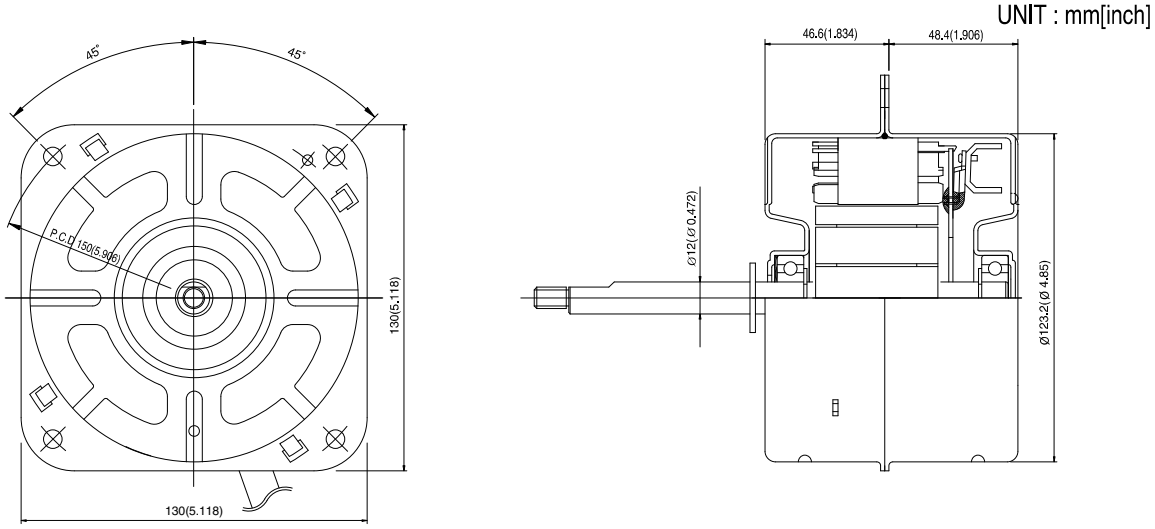
Type	Voltage	Frequency	Load					Ins. Class	P.C.B Of Drive	X
			Torque		Speed	Input	Output			
	(V)	(Hz)	(kg.cm)	(N.m)	(Rpm)	(Wi)	(Wo)			
DL-12830	DC 311	-	14	1.37	650	120	93	E	Internal	-
DL-12830	DC 311	-	11.65	1.14	700	110	84	E	Internal	-
DL-12840	DC 311	-	16	1.57	900	180	148	E	Internal	-

DL-12C

SPG Co., Ltd.

■ DIMENSION

UNIT : mm[inch]



■ CHARACTERISTIC

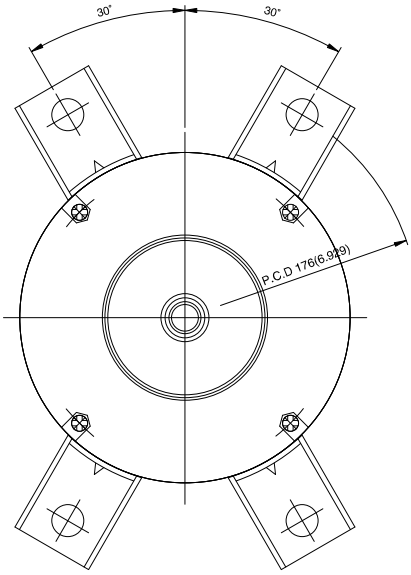
Type	Voltage	Frequency	Load					Ins. Class	P.C.B Of Drive	X
			Torque		Speed	Input	Output			
	(V)	(Hz)	(kg.cm)	(N.m)	(Rpm)	(Wi)	(Wo)			
DL-12830	DC 280	-	7	0.69	650	60	47	E	Internal	-

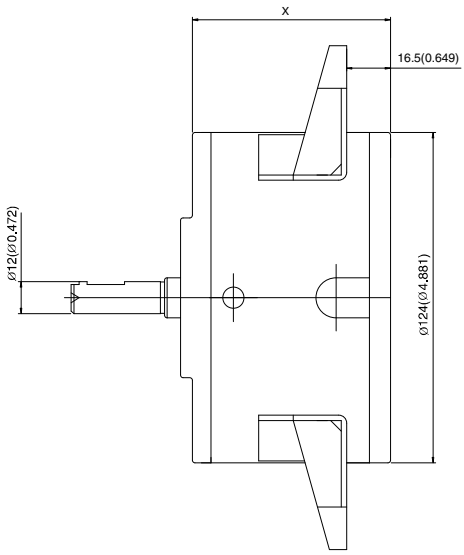
DL-12D

SPG Co., Ltd.

■ DIMENSION

UNIT : mm[inch]





■ CHARACTERISTIC

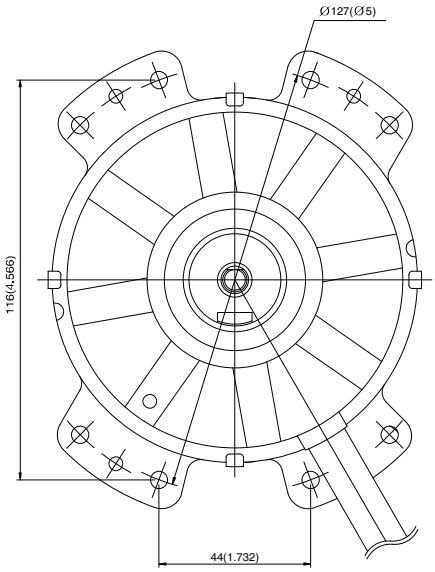
Type	Voltage	Frequency	Load					Ins. Class	P.C.B Of Drive	X
			Torque		Speed	Input	Output			
	(V)	(Hz)	(kg.cm)	(N.m)	(RPM)	(Wi)	(Wo)			
DL-12830	DC 380	-	7	0.686	1020	100	73	E	External	74.4(2.929)
DL-12840	DC 380	-	10	0.98	1180	150	121	E	External	84.4(3.323)
DL-12840	DC 380	-	19	1.86	1180	280	230	E	External	84.4(3.323)

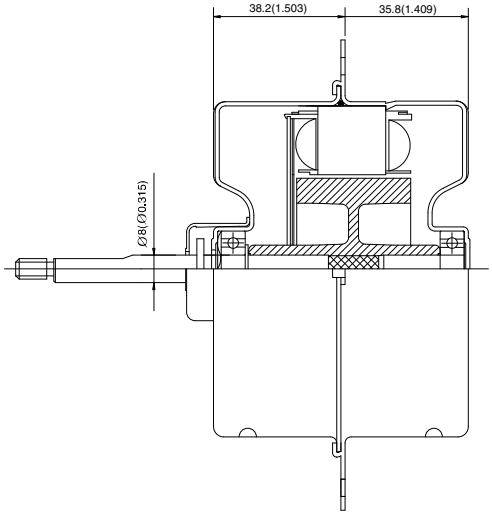
DL-95A

SPG Co., Ltd.

■ DIMENSION

UNIT : mm[inch]





■ CHARACTERISTIC

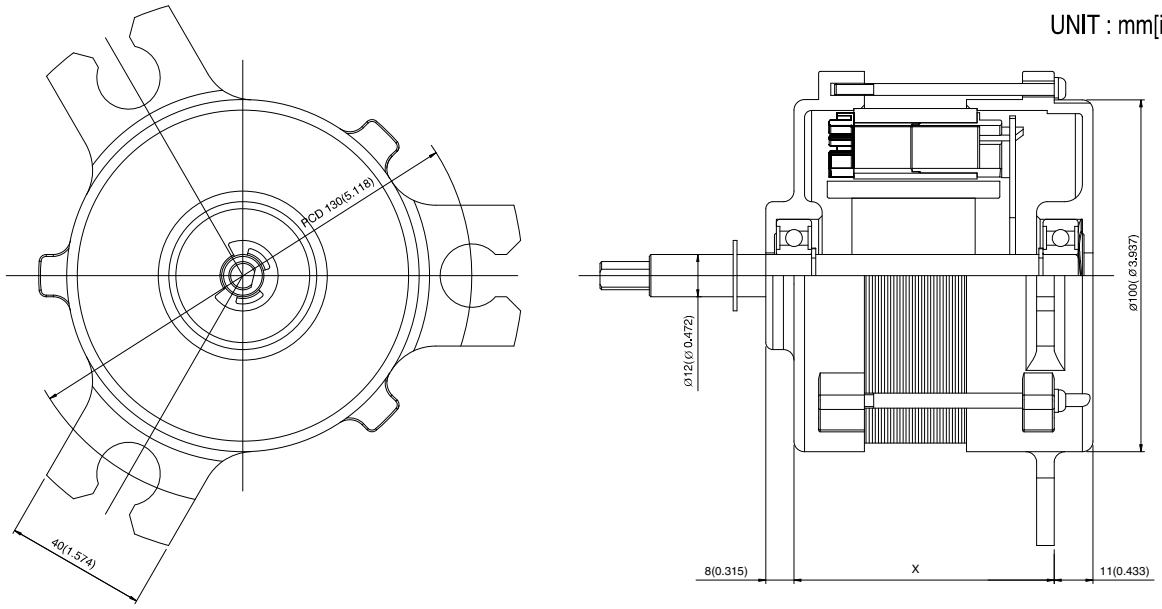
Type	Voltage	Frequency	Load					Ins. Class	P.C.B Of Drive	X
			Torque		Speed	Input	Output			
	(V)	(Hz)	(kg.cm)	(N.m)	(Rpm)	(Wi)	(Wo)			
DL-95820	DC 310	-	5.5	0.54	1080	82	61	E	Internal	-

DL-95B

SPG Co., Ltd.

■ DIMENSION

UNIT : mm[inch]



■ CHARACTERISTIC

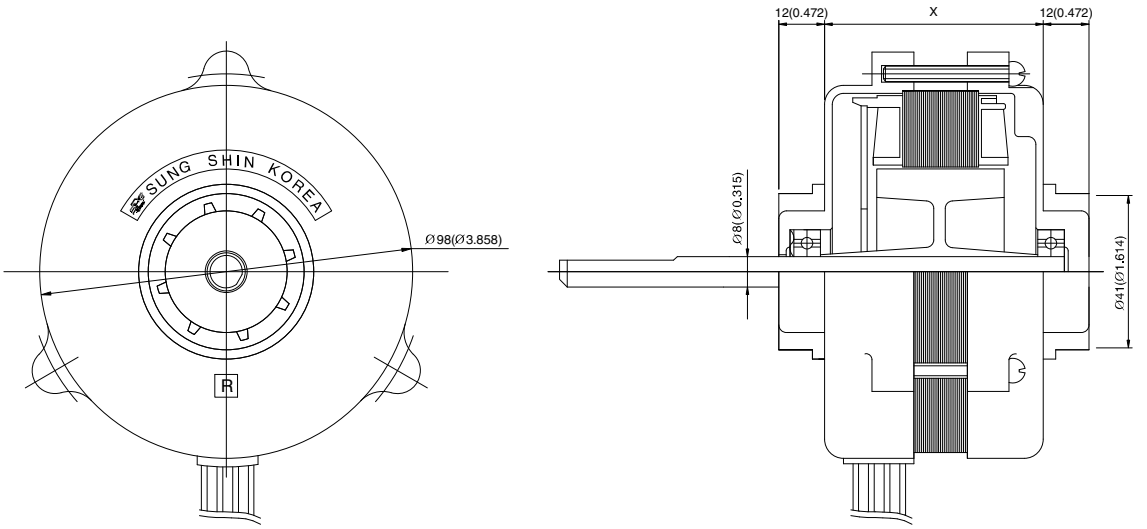
Type	Voltage	Frequency	Load					Ins. Class	P.C.B Of Drive	X
			Torque		Speed	Input	Output			
	(V)	(Hz)	(kg.cm)	(N.m)	(Rpm)	(Wi)	(Wo)			
DL-95820	DC 310	-	5.5	0.54	1080	82	61	E	Internal	58.4(2.299)
DL-95835	DC 310	-	11	1.08	700	110	79	E	Internal	73.9(2.909)
DL-95835	DC 310	-	14	1.37	650	145	92	E	Internal	73.9(2.909)

DL-95C

SPG Co., Ltd.

■ DIMENSION

UNIT : mm[inch]



■ CHARACTERISTIC

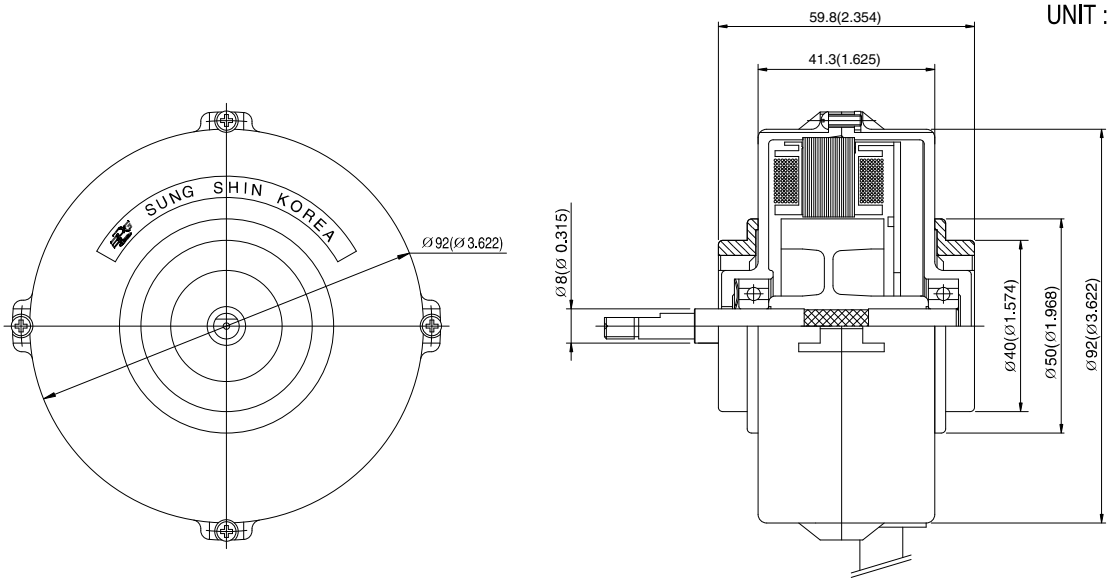
Type	Voltage	Frequency	Load					Ins. Class	P.C.B Of Drive	X
			Torque		Speed	Input	Output			
	(V)	(Hz)	(kg.cm)	(N.m)	(Rpm)	(Wi)	(Wo)			
DL-95820	DC 37	-	2.85	0.28	1370	54	39	E	Internal	57.5(2.263)
DL-95820	DC 310	-	5.5	0.54	1080	82	61	E	Internal	57.5(2.263)
DL-95835	DC 310	-	11	1.08	700	110	79	E	Internal	72.5(2.854)

DL-89A

SPG Co., Ltd.

■ DIMENSION

UNIT : mm[inch]



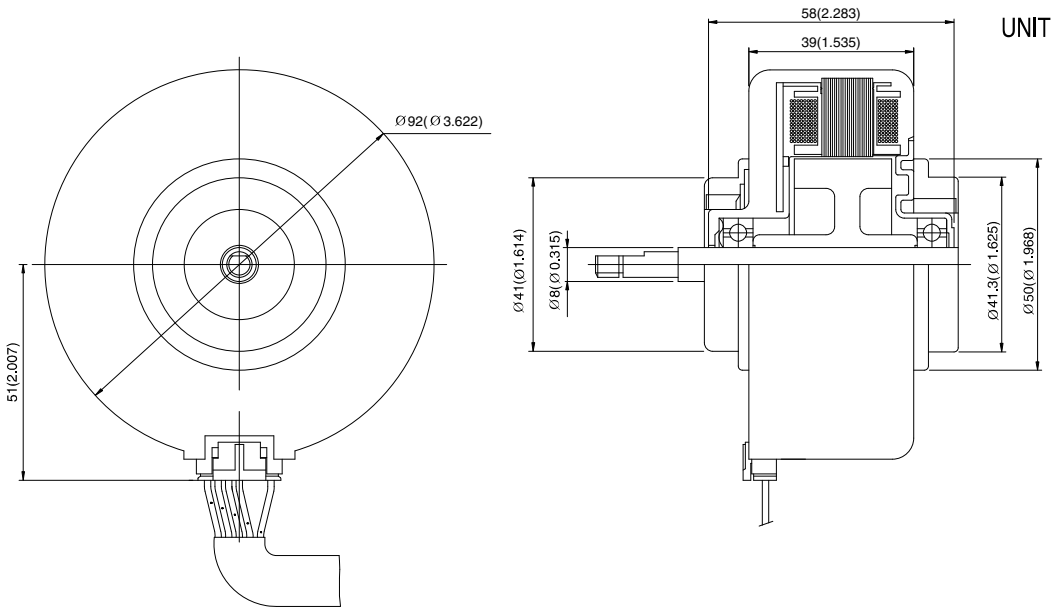
■ CHARACTERISTIC

Type	Voltage	Frequency	Load					Ins. Class	P.C.B Of Drive	X
			Torque		Speed	Input	Output			
	(V)	(Hz)	(kg.cm)	(N.m)	(Rpm)	(Wi)	(Wo)			
DL-89812	DC 36	-	4.2	0.41	540	40	24	E	Internal	-
DL-89812	DC 36	-	3.2	0.31	610	33	20	E	Internal	-
DL-89812	DC 310	-	2.0	0.2	2100	60	44	E	Internal	-

DL-89B

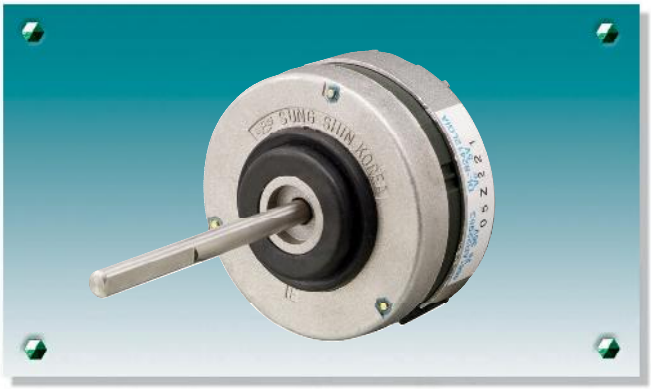
SPG Co., Ltd.

■ DIMENSION



■ CHARACTERISTIC

Type	Voltage	Frequency	Load					Ins. Class	P.C.B Of Drive	X
			Torque		Speed	Input	Output			
	(V)	(Hz)	(kg.cm)	(N.m)	(Rpm)	(Wi)	(Wo)			
DL-89812	DC 160	-	3.7	0.36	588	40	23	E	Internal	-
DL-89812	DC 280	-	3.6	0.35	700	40	26	E	Internal	-
DL-89812	DC 310	-	4	0.39	980	60	40	E	Internal	-

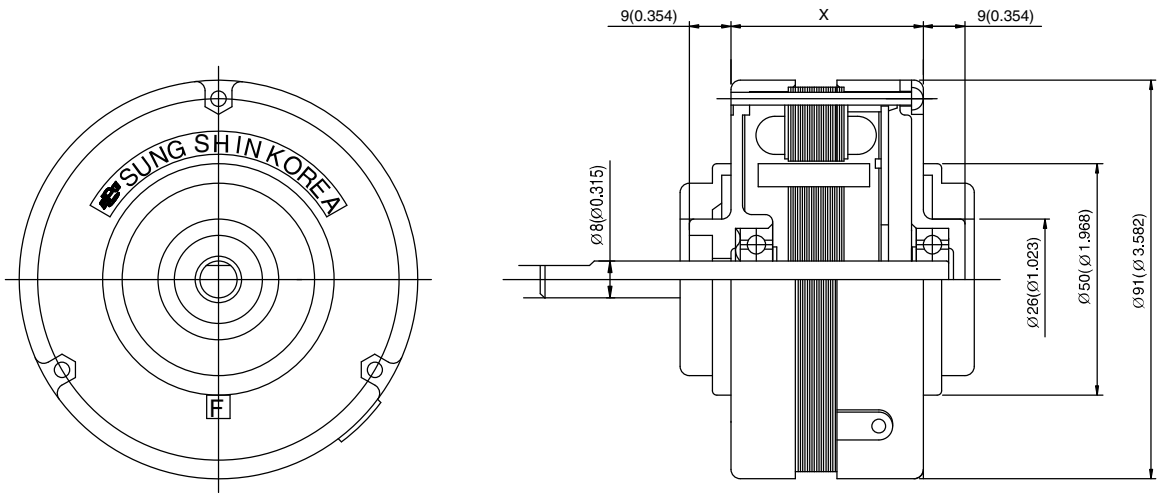


DL-88A

SPG Co., Ltd.

■ DIMENSION

UNIT : mm[inch]



■ CHARACTERISTIC

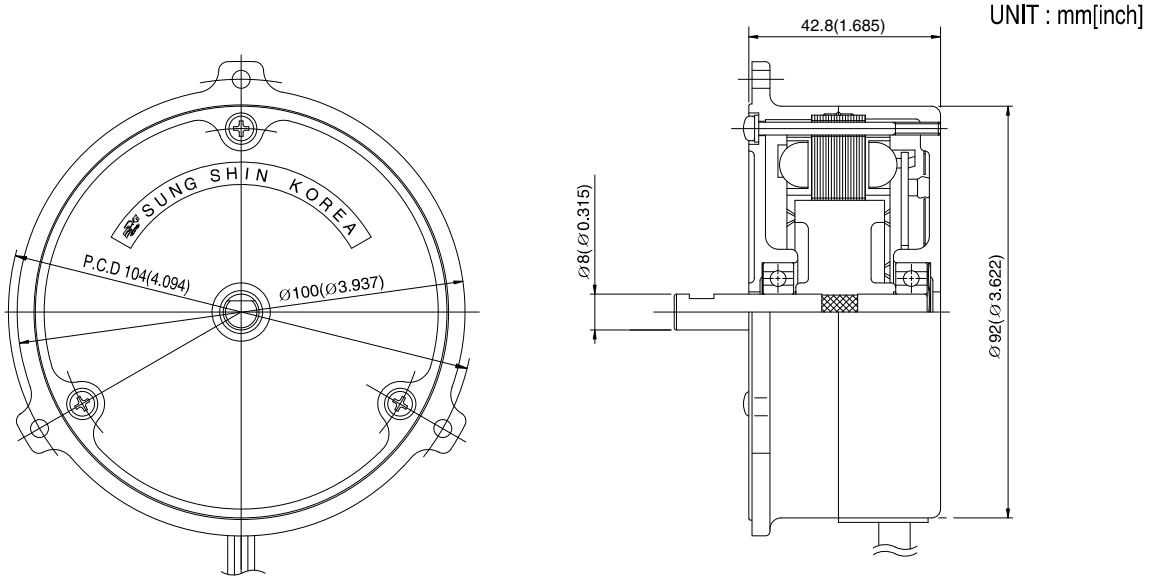
Type	Voltage	Frequency	Load					Ins. Class	P.C.B Of Drive	X
			Torque		Speed	Input	Output			
	(V)	(Hz)	(kg.cm)	(N.m)	(Rpm)	(Wi)	(Wo)			
DL-88412	DC 24	-	0.55	0.054	1200	10	6.8	E	Internal	41.5(1.633)
DL-88412	DC 36	-	1.1	0.108	1250	28	15	E	Internal	41.5(1.633)
DL-88430	DC 36	-	2.84	0.28	1200	54	40	E	Internal	59.5(2.342)
DL-88430	DC 40	-	3.0	0.294	1440	65	45	E	Internal	59.5(2.342)

DL-88B

SPG Co., Ltd.

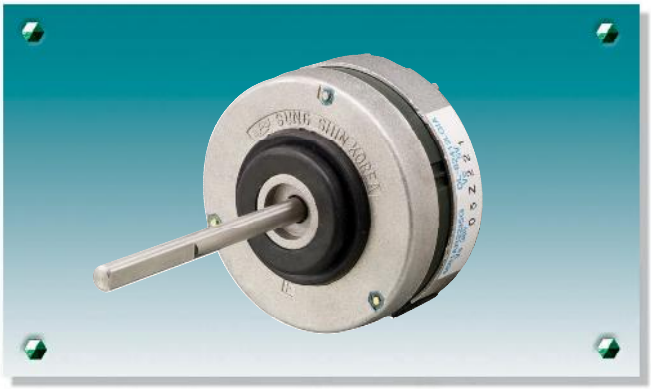
■ DIMENSION

UNIT : mm[inch]



■ CHARACTERISTIC

Type	Voltage	Frequency	Load					Ins. Class	P.C.B Of Drive	X
			Torque		Speed	Input	Output			
	(V)	(Hz)	(kg.cm)	(N.m)	(Rpm)	(Wi)	(Wo)			
DL-88412	DC 28	-	0.4	0.039	2840	18	11.5	E	Internal	-
DL-88412	DC 43	-	0.9	0.088	4270	60	40	E	Internal	-

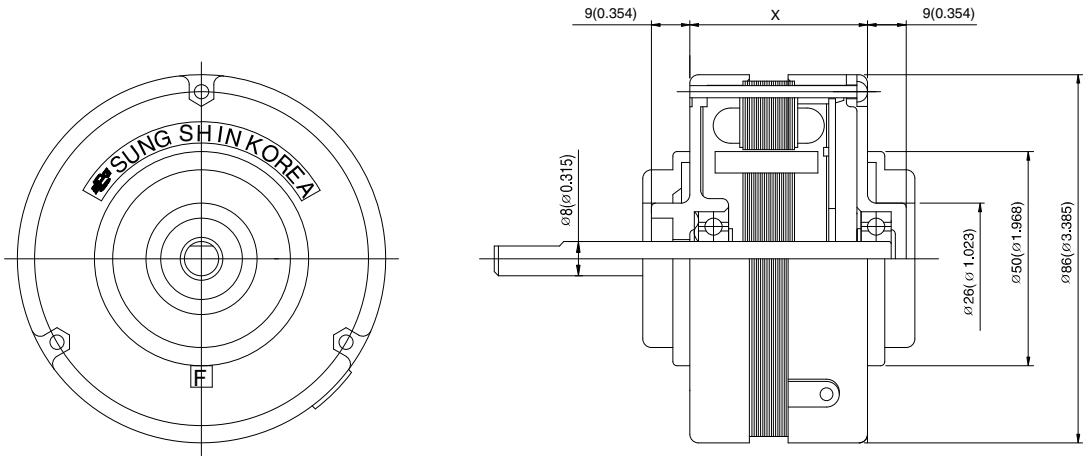


DL-82A

SPG Co., Ltd.

■ DIMENSION

UNIT : mm[inch]

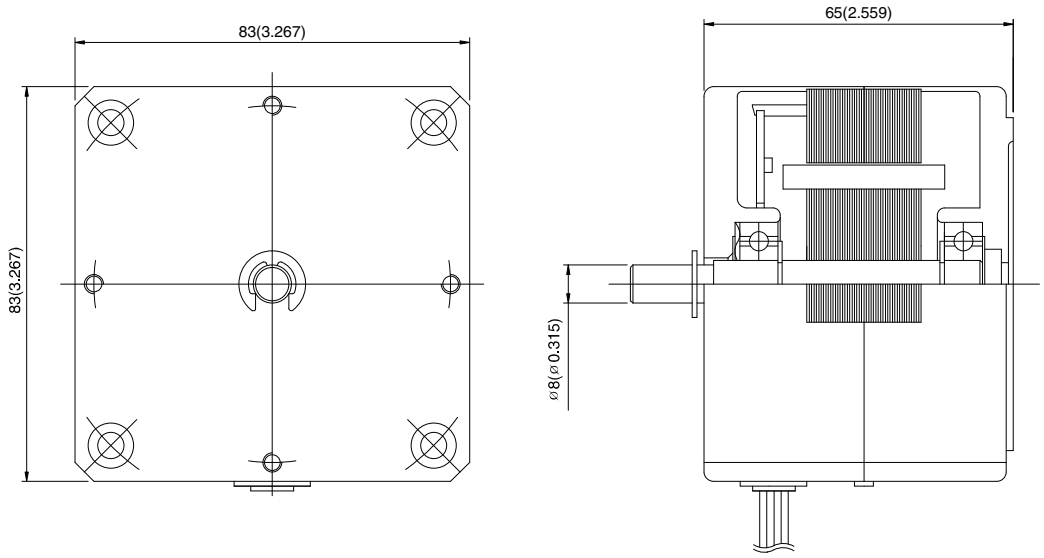


■ CHARACTERISTIC

Type	Voltage	Frequency	Load					Ins. Class	P.C.B Of Drive	X
			Torque		Speed	Input	Output			
	(V)	(Hz)	(kg.cm)	(N.m)	(Rpm)	(Wi)	(Wo)			
DL-82412	DC 36	-	1.1	0.108	1250	28	15	E	Internal	41.5(1.633)
DL-82412	DC 36	-	1.1	0.108	1460	32	16.5	E	Internal	41.5(1.633)
DL-82424	DC 40	-	2.2	0.147	1250	50	28	E	Internal	53.5(2.106)

■ DIMENSION

UNIT : mm[inch]



■ CHARACTERISTIC

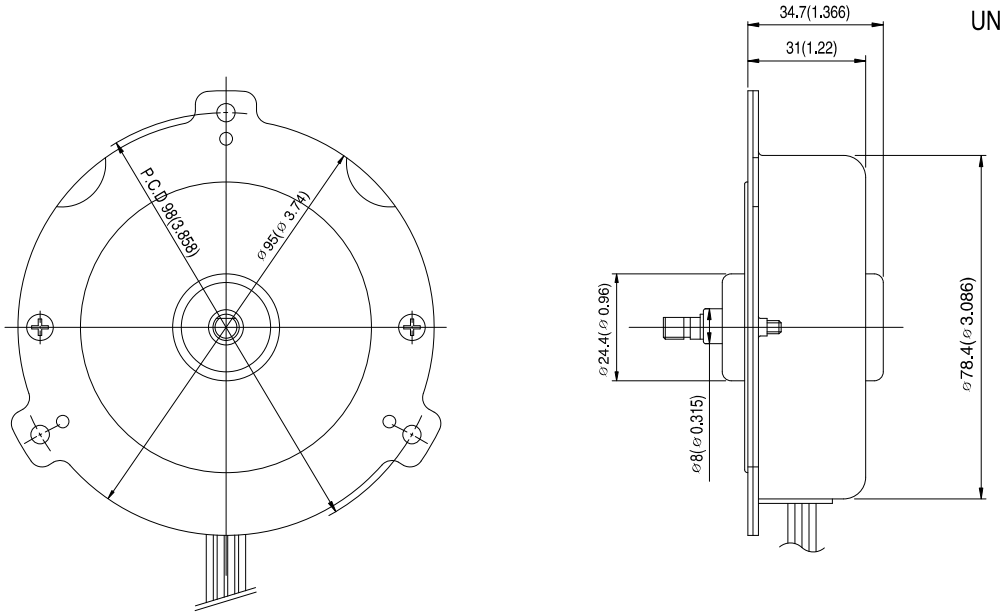
Type	Voltage	Frequency	Load					Ins. Class	P.C.B Of Drive	X
			Torque		Speed	Input	Output			
	(V)	(Hz)	(kg.cm)	(N.m)	(Rpm)	(Wi)	(Wo)			
DL-82424	DC 40	-	1.5	0.147	2780	80	42	E	External	-

DL-78A

SPG Co., Ltd.

■ DIMENSION

UNIT : mm[inch]



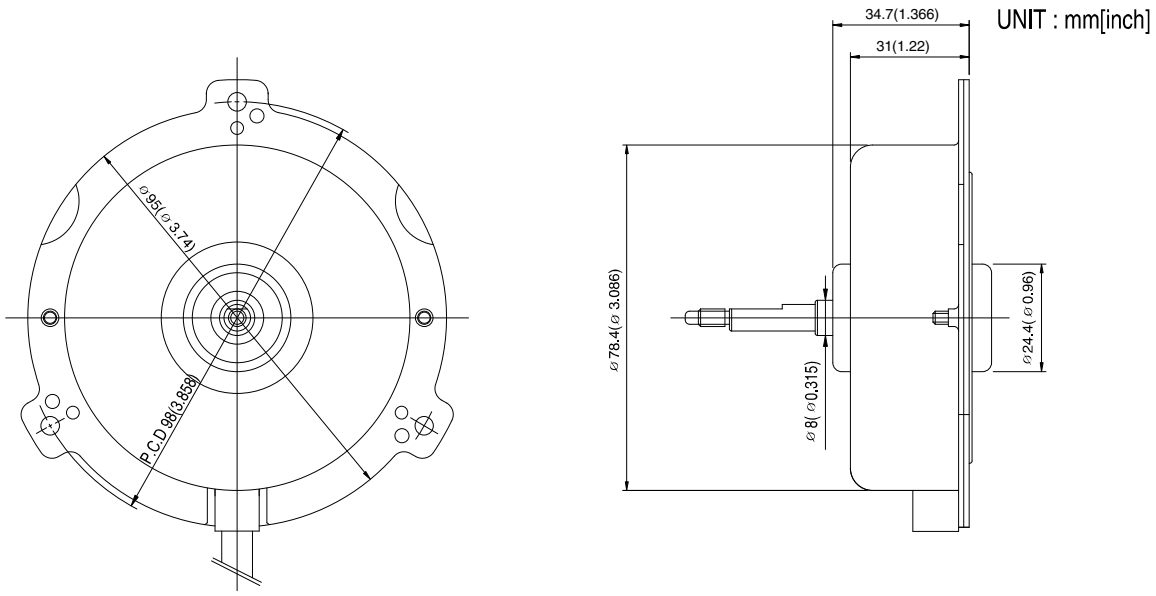
■ CHARACTERISTIC

Type	Voltage	Frequency	Load					Ins. Class	P.C.B Of Drive	X
			Torque		Speed	Input	Output			
	(V)	(Hz)	(kg.cm)	(N.m)	(Rpm)	(Wi)	(Wo)			
DL-7806	DC 43	-	0.52	0.051	5200	52	27.7	E	Internal	-

DL-78B

SPG Co., Ltd.

■ DIMENSION



■ CHARACTERISTIC

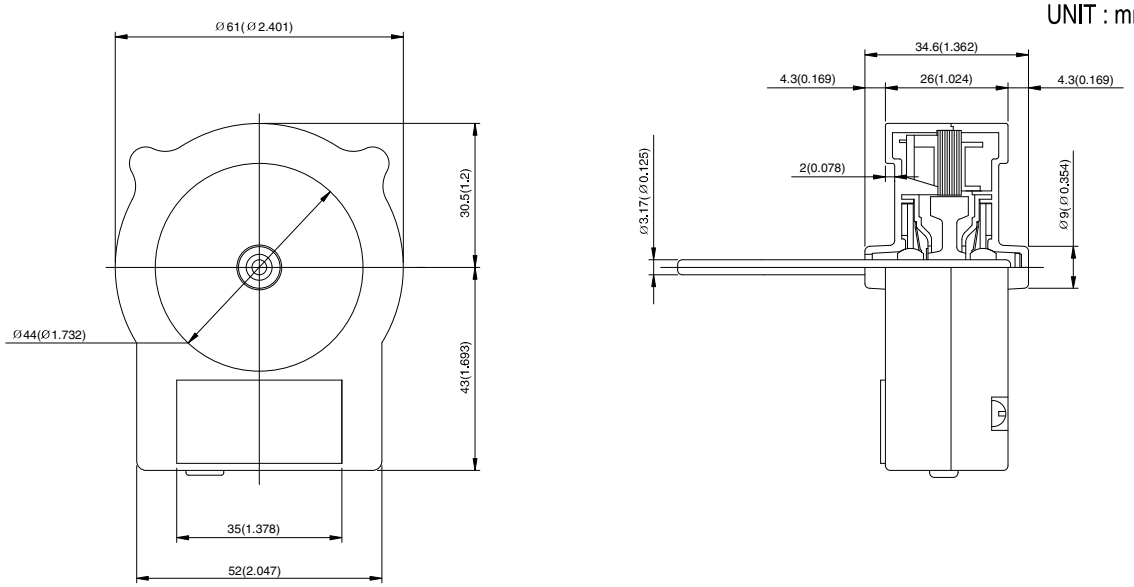
Type	Voltage	Frequency	Load					Ins. Class	P.C.B Of Drive	X
			Torque		Speed	Input	Output			
	(V)	(Hz)	(kg.cm)	(N.m)	(Rpm)	(Wi)	(Wo)			
DL-7806	DC 22	-	0.55	0.054	2300	26.4	13	E	External	-
DL-7806	DC 26	-	0.6	0.059	2800	39.2	17.2	E	External	-
DL-7806	DC 30	-	0.35	0.034	3600	36	12.9	E	External	-

DL-59A

SPG Co., Ltd.

■ DIMENSION

UNIT : mm[inch]



■ CHARACTERISTIC

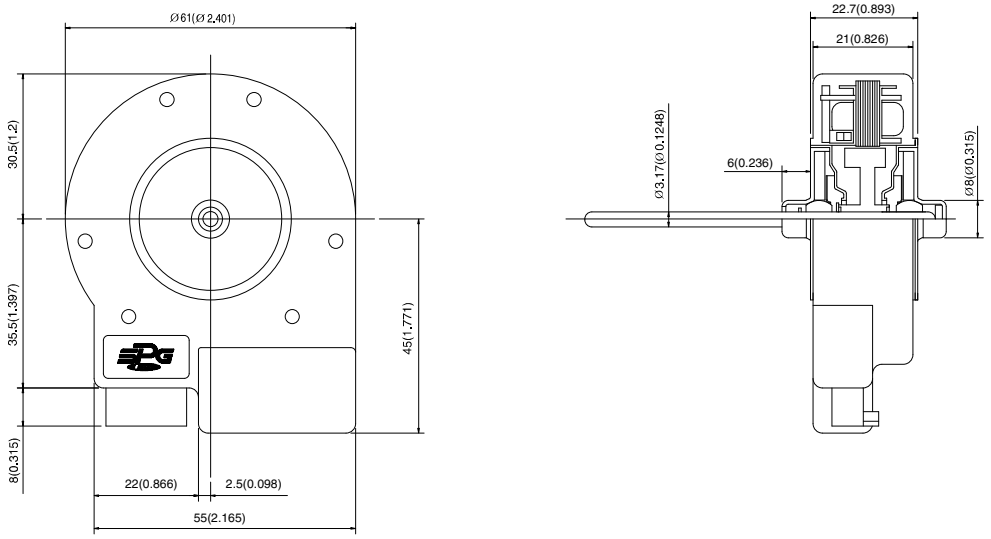
Type	Voltage	Frequency	Load					Ins. Class	P.C.B Of Drive	X
			Torque		Speed	Input	Output			
	(V)	(Hz)	(kg.cm)	(N.m)	(Rpm)	(Wi)	(Wo)			
DL-5965	DC 13	-	0.18	0.0176	1420	4	2.63	A	Internal	-
DL-5965	DC 13	-	0.105	0.0103	1150	1.8	1.24	A	Internal	-

DL-59B

SPG Co., Ltd.

■ DIMENSION

UNIT : mm[inch]



■ CHARACTERISTIC

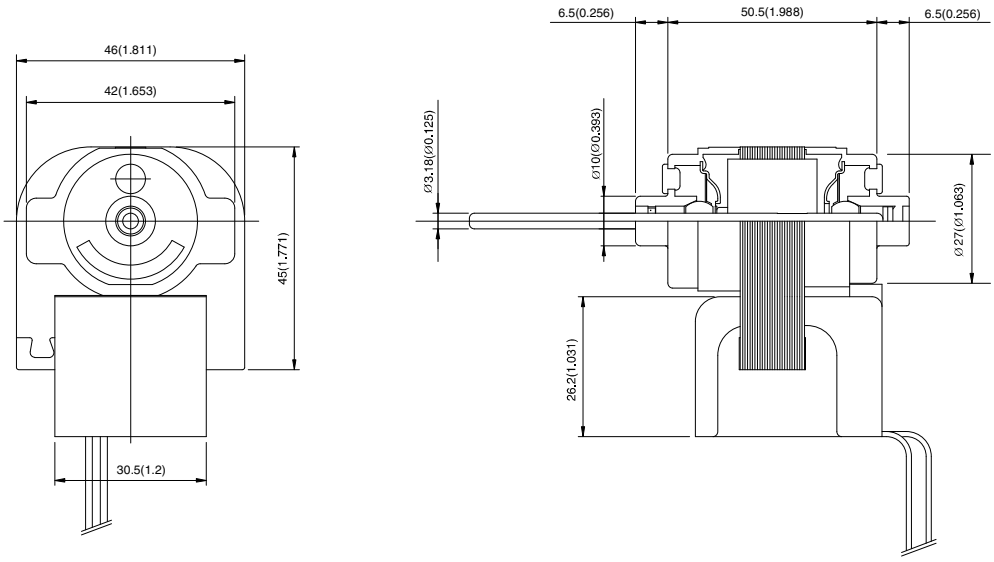
Type	Voltage	Frequency	Load					Ins. Class	P.C.B Of Drive	X
			Torque		Speed	Input	Output			
	(V)	(Hz)	(kg.cm)	(N.m)	(Rpm)	(Wi)	(Wo)			
DL-5905	DC 12	-	0.058	0.0057	2770	3	1.65	A	Internal	-
DL-5905	DC 12	-	0.075	0.0074	1600	2.82	1.23	A	Internal	-

DL-22A

SPG Co., Ltd.

■ DIMENSION

UNIT : mm[inch]



■ CHARACTERISTIC

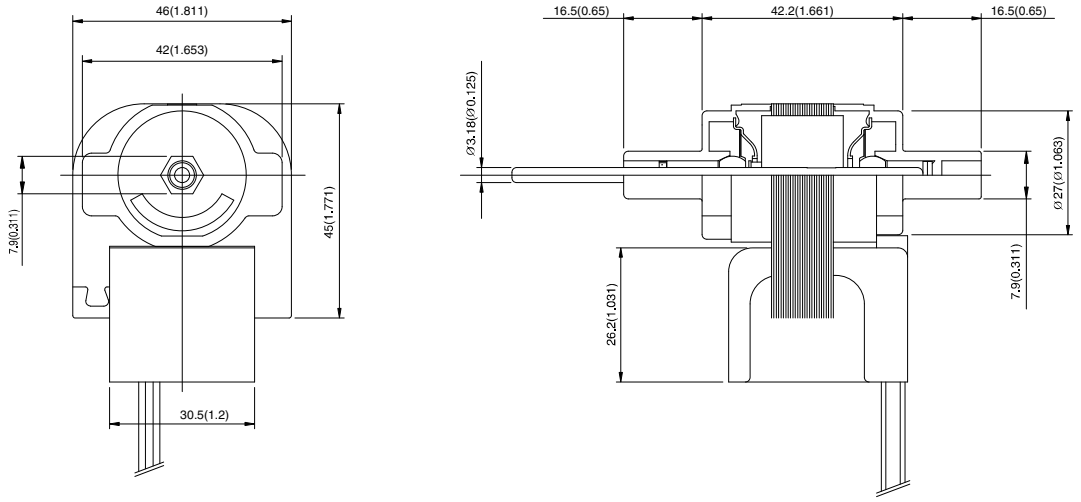
Type	Voltage	Frequency	Load					Ins. Class	P.C.B Of Drive	X
			Torque		Speed	Input	Output			
	(V)	(Hz)	(kg.cm)	(N.m)	(Rpm)	(Wi)	(Wo)			
DL-2213	DC 10	-	0.018	0.00176	1500	1.2	0.8	A	Internal	-
DL-2213	DC 12	-	0.046	0.0045	2200	2.5	1.0	A	Internal	-

DL-22B

SPG Co., Ltd.

■ DIMENSION

UNIT : mm[inch]



■ CHARACTERISTIC

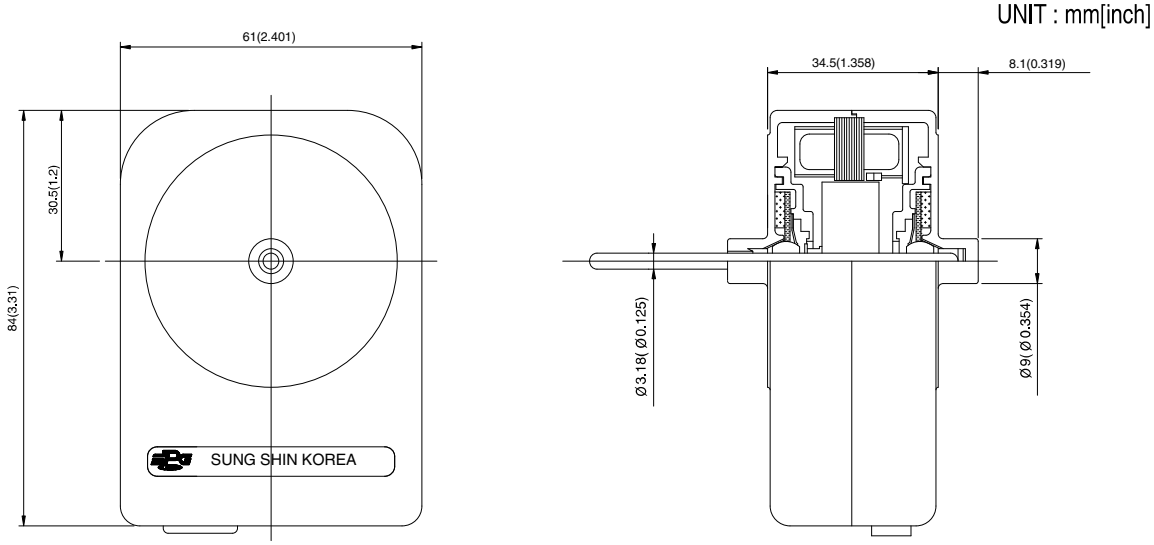
Type	Voltage	Frequency	Torque		Speed	Input	Output	Ins. Class	Of Drive	X
	(V)	(Hz)	(kg.cm)	(N.m)	(Rpm)	(Wi)	(Wo)			
DL-2213	DC 12	-	0.054	0.0053	3000	4.5	1.66	A	Internal	-

ADL-58A

SPG Co., Ltd.

■ DIMENSION

UNIT : mm[inch]



■ CHARACTERISTIC

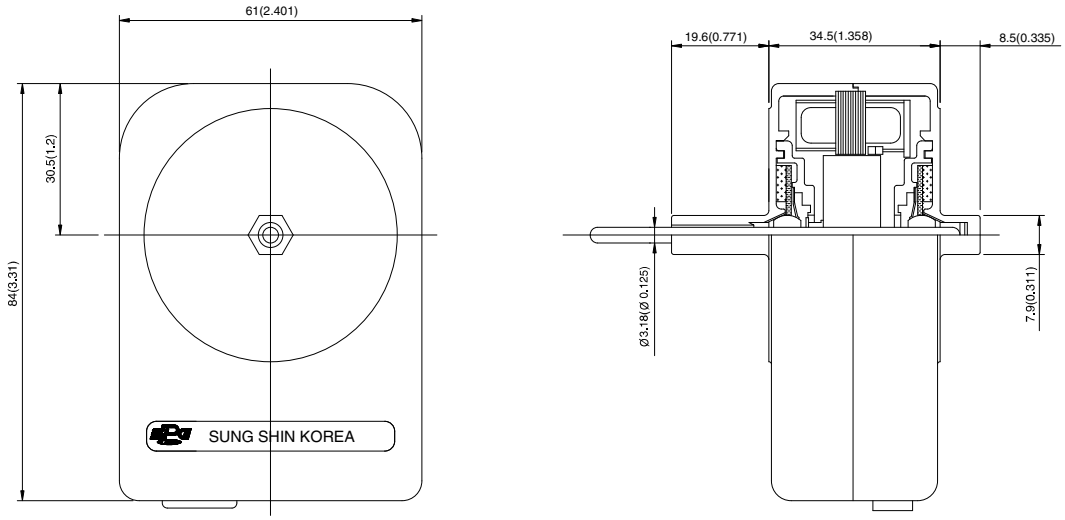
Type	Voltage	Frequency	Load					Ins. Class	P.C.B Of Drive	X
			Torque		Speed	Input	Output			
	(V)	(Hz)	(kg.cm)	(N.m)	(Rpm)	(Wi)	(Wo)			
ADL-5846	AC 115	60	0.055	0.0054	2700	3.5	1.6	A	Internal	-
ADL-5846	AC 230	50	0.046	0.0045	2500	3.0	1.2	A	Internal	-
DL-5846	DC 12	-	0.045	0.0044	2200	3	1.0	A	Internal	-

ADL-58B

SPG Co., Ltd.

■ DIMENSION

UNIT : mm[inch]



■ CHARACTERISTIC

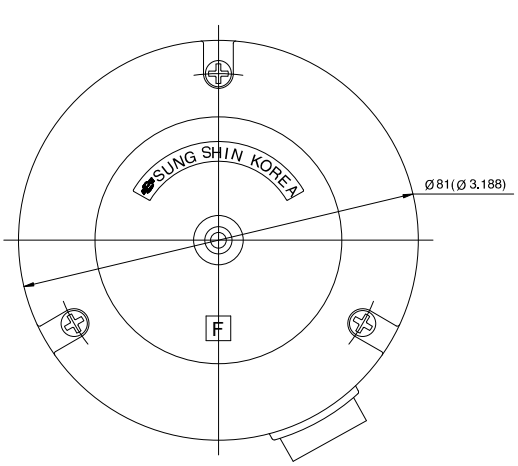
Type	Voltage	Frequency	Load					Ins. Class	P.C.B Of Drive	X
			Torque		Speed	Input	Output			
	(V)	(Hz)	(kg.cm)	(N.m)	(Rpm)	(Wi)	(Wo)			
ADL-5846	AC115	60	0.052	0.0051	3150	4.5	1.7	A	Internal	-
ADL-5846	AC230	50	0.046	0.0045	2500	3.0	1.2	A	Internal	-

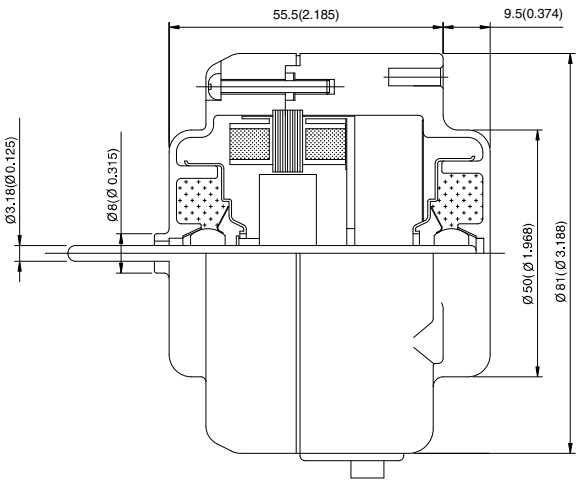
ADL-58C

SPG Co., Ltd.

■ DIMENSION

UNIT : mm[inch]





■ CHARACTERISTIC

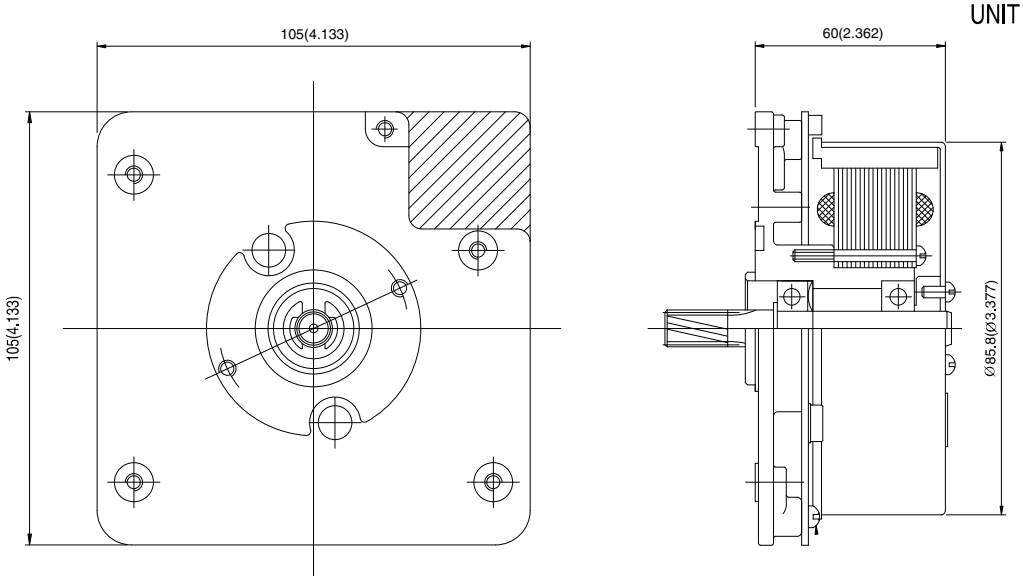
Type	Voltage	Frequency	Load					Ins. Class	P.C.B Of Drive	X
			Torque		Speed	Input	Output			
	(V)	(Hz)	(kg.cm)	(N.m)	(Rpm)	(Wi)	(Wo)			
DLU-5846	AC 115	60	0.117	0.0115	1200	4.8	2.4	A	Internal	-

DLG-73A

SPG Co., Ltd.

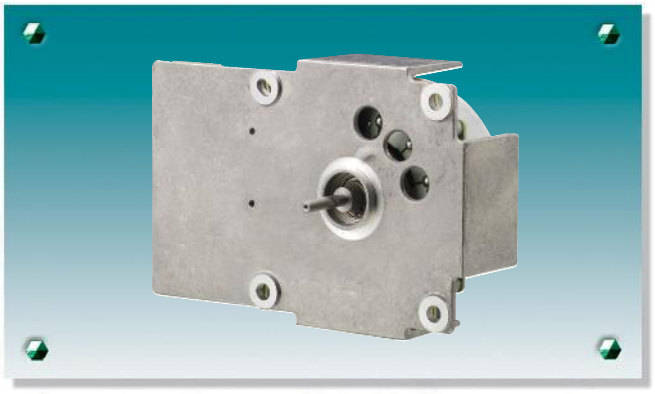
DIMENSION

UNIT : mm[inch]



CHARACTERISTIC

Type	Voltage	Frequency	Load					Ins. Class	P.C.B Of Drive	X
			Torque		Speed	Input	Output			
	(V)	(Hz)	(kg.cm)	(N.m)	(Rpm)	(Wi)	(Wo)			
DLG-73820	DC 24	-	4.1	0.402	1212.6	60	40	A	Internal	-

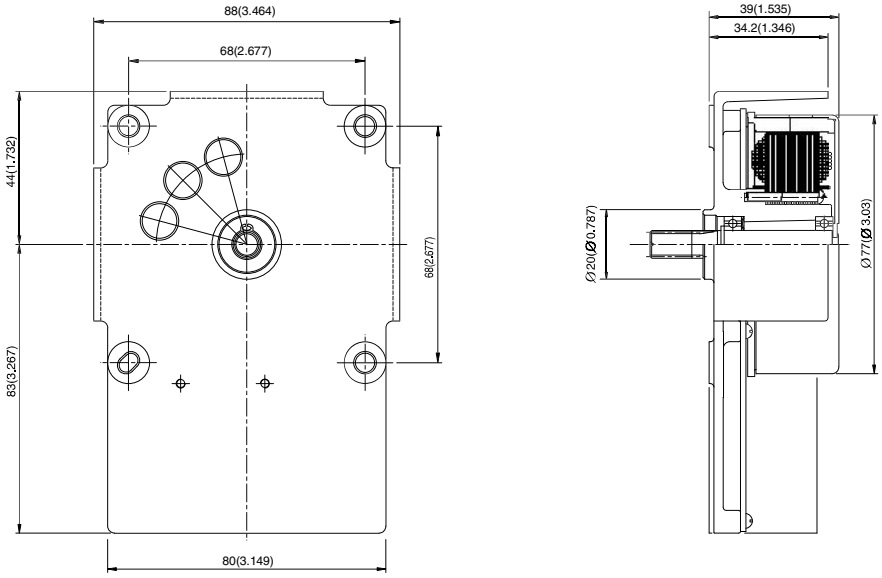


DLG-63A

SPG Co., Ltd.

■ DIMENSION

UNIT : mm[inch]



■ CHARACTERISTIC

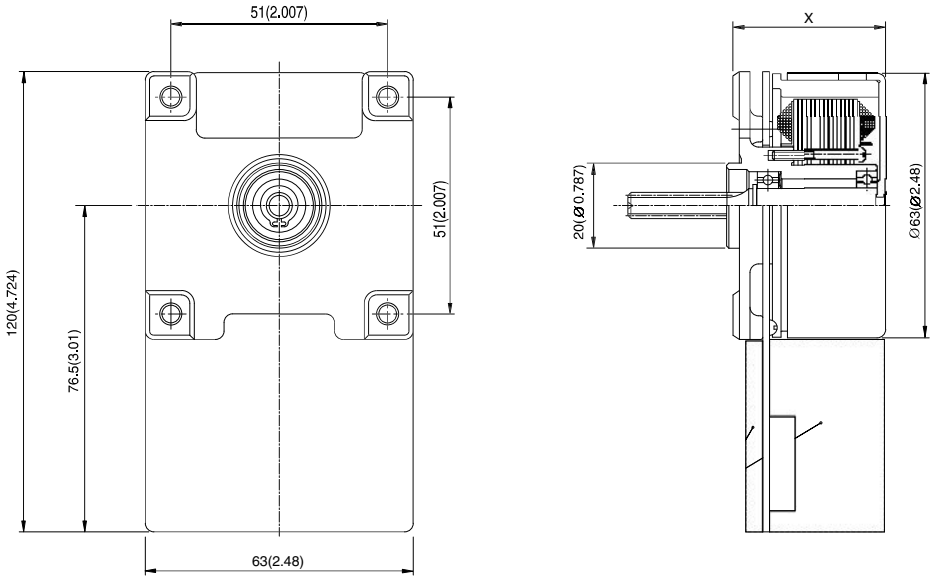
Type	Voltage	Frequency	Load					Ins. Class	P.C.B Of Drive	X
			Torque		Speed	Input	Output			
	(V)	(Hz)	(kg.cm)	(N.m)	(Rpm)	(Wi)	(Wo)			
DLG-63815	DC 24	-	1.6	0.157	2252	50	37	A	Internal	-
DLG-63815	DC 24	-	2.0	0.196	1694	48	35	A	Internal	-
DLG-63815	DC 24	-	1.68	0.165	2481	58	43	A	Internal	-

DLG-50A

SPG Co., Ltd.

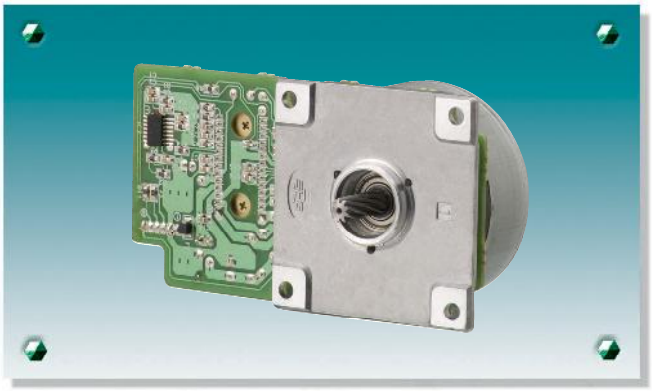
■ DIMENSION

UNIT : mm[inch]



■ CHARACTERISTIC

Type	Voltage	Frequency	Load					Ins. Class	P.C.B Of Drive	X
			Torque		Speed	Input	Output			
	(V)	(Hz)	(kg.cm)	(N.m)	(Rpm)	(Wi)	(Wo)			
DLG-50615	DC 24	-	1.122	0.11	1736	28	20	A	Internal	37(1.456)
DLG-50615	DC 24	-	1.43	0.14	1854	36	27.2	A	Internal	37(1.456)
DLG-50615	DC 24	-	1.5	0.147	1500	40	24	A	Internal	37(1.456)
DLG-50620	DC 24	-	2.0	0.196	1350	54	28	A	Internal	42(1.653)
DLG-50620	DC 24	-	1.4	0.137	2115	46	30	A	Internal	42(1.653)

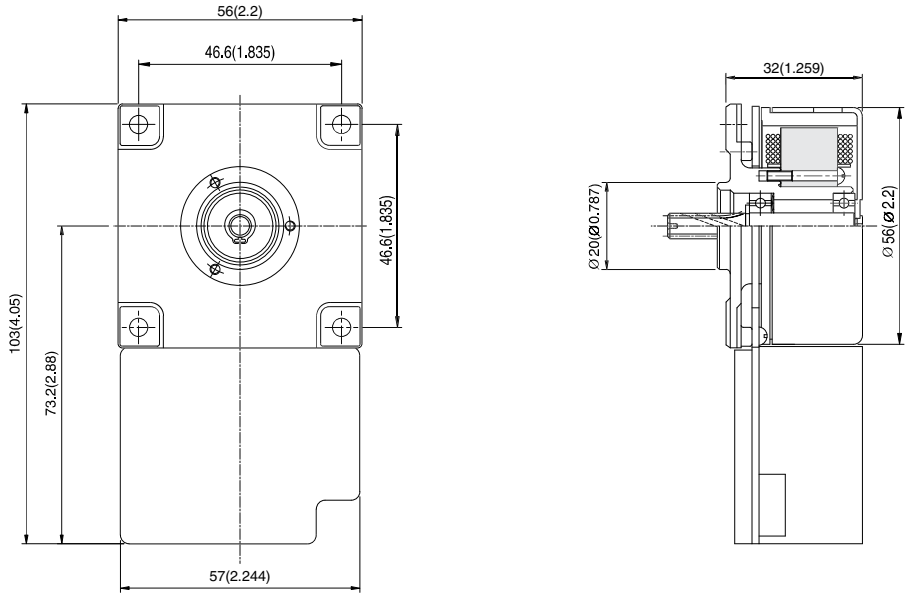


DLG-45A

SPG Co., Ltd.

■ DIMENSION

UNIT : mm[inch]



■ CHARACTERISTIC

Type	Voltage	Frequency	Load					Ins. Class	P.C.B Of Drive	X
			Torque		Speed	Input	Output			
	(V)	(Hz)	(kg.cm)	(N.m)	(Rpm)	(Wi)	(Wo)			
DLG-45813	DC 24	-	0.816	0.08	973	18	8.2	A	Internal	-
DLG-45813	DC 24	-	1.0	0.098	1809	40	20	A	Internal	-