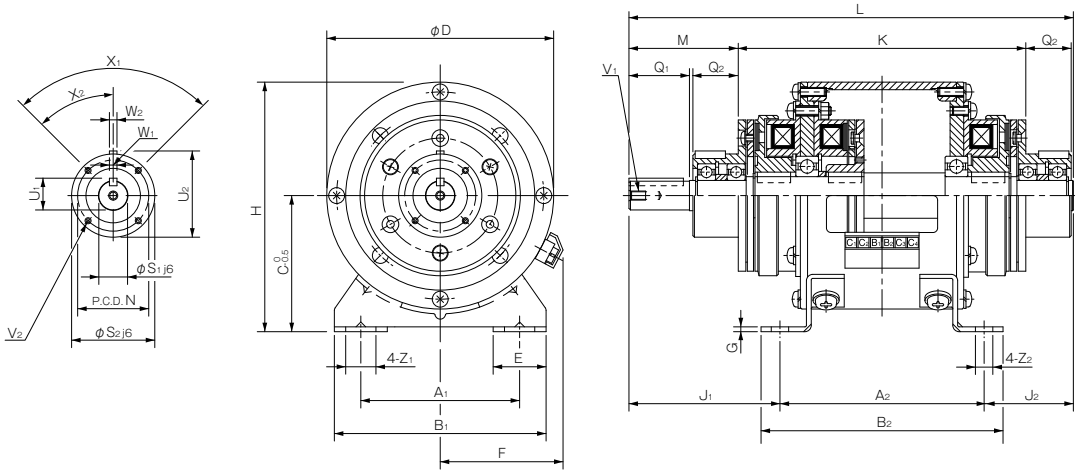
122 – Datasheet
DOUBLE CLUTCH / BRAKE UNIT

Specifications

Model	Size	Dynamic friction torque T_d [N·m]	Static friction torque T_S [N·m]	Coil [at 20 °C]				Heat resistance class	Max. rotation speed [min^{-1}]	Rotating part moment of inertia J [kg·m^2]	Total work performed until readjustment of the air gap E_T [J]	Armature pull-in time t_a [s]	Torque build-up time t_p [s]	Torque decrease time t_d [s]	Mass [kg]
				Voltage [V]	Wattage [W]	Current [A]	Resistance [Ω]								
122-06-20G	06	5	5.5	DC24	11	0.46	52	B	3000	2.19×10^{-4}	36×10^6	C: 0.020 B: 0.015	C: 0.041 B: 0.033	C: 0.020 B: 0.015	4
122-08-20G	08	10	11	DC24	15	0.63	38	B	3000	6.55×10^{-4}	60×10^6	C: 0.023 B: 0.016	C: 0.051 B: 0.042	C: 0.030 B: 0.025	6
122-10-20G	10	20	22	DC24	20	0.83	29	B	3000	2.12×10^{-3}	130×10^6	C: 0.025 B: 0.018	C: 0.063 B: 0.056	C: 0.050 B: 0.030	9
122-12-20G	12	40	45	DC24	25	1.09	23	B	3000	6.35×10^{-3}	250×10^6	C: 0.040 B: 0.027	C: 0.115 B: 0.090	C: 0.065 B: 0.050	17
122-16-20G	16	80	90	DC24	35	1.46	16	B	3000	1.99×10^{-2}	470×10^6	C: 0.050 B: 0.035	C: 0.160 B: 0.127	C: 0.085 B: 0.055	29
122-20-20G	20	160	175	DC24	45	1.88	13	B	2500	6.15×10^{-2}	10×10^8	C: 0.090 B: 0.065	C: 0.250 B: 0.200	C: 0.130 B: 0.070	58

• The dynamic friction torque, T_d, is measured at a relative speed of 100 min^{-1}.

Dimensions



Unit [mm]

Size	Dimensions of part																	
	A_1	A_2	B_1	B_2	C	D	E	F	G	H	J_1	J_2	K	L	M	N	Z_1	Z_2
06	65	90	90	105	65	100	27.5	61	2.6	115	73	48	142	211	47	33	13.5	6.5
08	80	110	110	130	80	125	32.5	72	3.2	142.5	83	53	162	246	57	37	15.5	9
10	105	135	140	160	90	150	35	81	3.2	165	100	59	190	294	72	47	20	11.5
12	135	160	175	185	112	190	42.5	97	4.5	207	124	74	222	358	93	52	24.5	11.5
16	155	200	200	230	132	230	45	109	6	247	150.5	89.5	272	440	114.5	62	28	14
20	195	240	240	270	160	290	47.5	124	20	305	197	114	348	551	143	74.5	28	14

Size	Dimensions of shaft										
	Q_1	Q_2	S_1	S_2	U_1	U_2	V_1	V_2	X_1	X_2	$W_{1\times2}$
06	25	20	11	38	12.5	39.5	M4 × 0.7, length: 8	3-M4 × 0.7, length: 4	3-120°	60°	4
08	30	25	14	45	16	47	M4 × 0.7, length: 8	3-M4 × 0.7, length: 6	3-120°	60°	5
10	40	30	19	55	21	57	M6 × 1, length: 11	4-M4 × 0.7, length: 8	4-90°	45°	5
12	50	40	24	64	27	67	M6 × 1, length: 11	4-M4 × 0.7, length: 8	4-90°	45°	7
16	60	50	28	75	31	78	M6 × 1, length: 11	6-M5 × 0.8, length: 8	6-60°	30°	7
20	80	60	38	90	41.5	93.5	M10 × 1.5, length: 17	4-M6 × 1, length: 12	4-90°	45°	10

• The input/output shaft keyways are old JIS standard class 2 while the key is old JIS standard class 1.
• When inserting pulleys or the like onto output shafts, use the supplied insertion set.
• The 122-20-20G base is a casting.

How to Place an Order

122-06-20G
Size

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