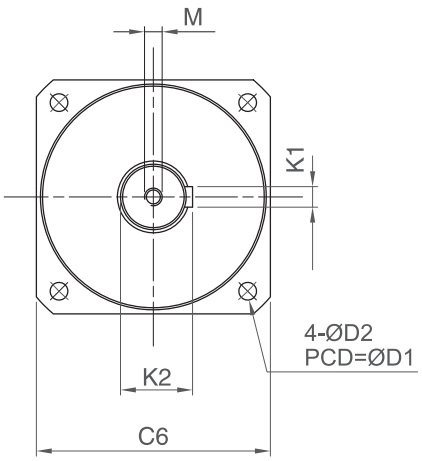
PHT | Vertex Precision

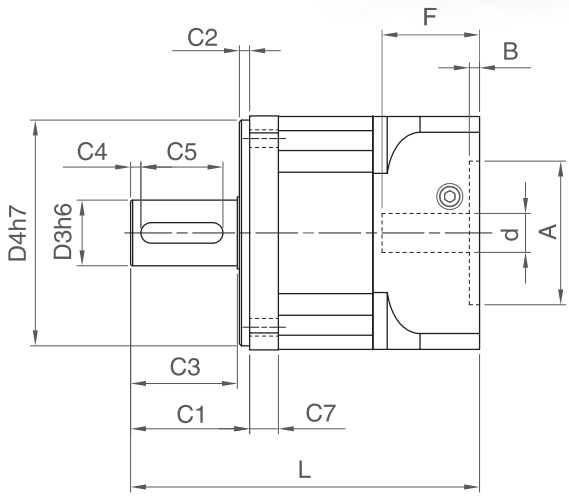
ElectroCraft® powering innovation™

HIGH PRECISION, THROUGH HOLE

DA series

PHT VERTEX PRECISION COMPONENTS CORP.





Unit: mm

Info.	DA060	DA090	DA120
D1	70.0	105.0	130.0
D2	5.50	6.8	8.6
D3	16 (12~16)	20 (18~22)	32 (24~35)
D4	50.0	80.0	110.0
C1	35.0	56.0	58.0
C2	7.0	6.0	5.0
C3	27.0	49.0	52.0
C4	3.0	5.0	5.0
C5	20.0	25.0	40.0
C6	60.0	94.0	114.0
C7	15.0	17.0	18.7
L L1	125.7	167.0	170.3
L L2	147.7	195.3	198.6
M	M4 x P0.7 x 15	M6 x P1.0 x 20	M8 x P1.25 x 27
K1	5.0	6.0	10.0
K2	18.0	22.5	35.1
d	≦ 14.0	≦ 24.0	≦ 28.0
A	30~50	50~80	50~110
B	6.0	8.0	5.0
F	≦ 35.0	≦ 47.5	≦ 47.5

Information	Stage	Ratio	DA060	DA090	DA120
Defined Output Torque (Nm)	1	3	37	115	208
		4	47	160	268
		5	47	150	260
		7	45	150	260
		10	37	115	208
	2	9	37	115	208
		12	37	115	208
		15	37	115	208
		16	47	160	268
		20	47	150	260
		21	37	115	208
		25	47	150	260
		28	45	150	260
		30	37	115	208
		35	45	150	260
		40	37	115	208
		50	37	115	208
		70	37	115	208
	3	100	47	150	260
Peak Output Torque (Nm)	1, 2, 3	3~100	**3 times of Defined Output Torque**		
Backlash (arc min)	1	3~10	P2≦5, P1≦3, P0≦1	P2≦5, P1≦3, P0≦1	P2≦5, P1≦3, P0≦1
	2	9~70	P2≦7, P1≦5, P0≦3	P2≦7, P1≦5, P0≦3	P2≦7, P1≦5, P0≦3
Defined Input Speed (RPM)	1	3, 4, 5	3300	3300	3200
		7, 10	3600	3600	3500
	2	9~40	4000	3900	3800
		50	4400	4300	4200
		70	4800	4600	4500
Weight (kg)	1	3~10	1.30	3.50	6.00
	2	9~70	1.60	4.50	7.20
Torsional Rigidity (Nm/arc min)	1, 2	3~70	7.00	14.00	25.00
Allowable Radial Force (N)			1500	3500	6000
Allowable Axial Force (N)			750	2800	4800
Noise (dB)			65	64	64
Life Time (hrs)			20000		
Temperature (℃)			-15°C~+90°C		
Protection Rank			IP64		
Lubricant			Synthetic Lubricant, ISO VG220		
Mass Moments of Inertia (kg X cm²)	1	3	0.26	1.30	5.60
		4	0.22	1.00	4.30
		5	0.20	0.95	3.90
		7	0.19	0.90	3.50
		10	0.18	0.80	3.40
	2	9	0.20	0.89	3.50
		12	0.19	0.80	3.20
		16	0.18	0.80	3.20
		20	0.17	0.80	3.20
		25	0.17	0.75	3.10
		28	0.17	0.75	3.10
		35	0.17	0.75	3.10
		40	0.17	0.75	3.10
		50	0.17	0.70	3.00
		70	0.17	0.70	3.00
	3	100	0.17	0.70	3.00