

SERVOBOX Planetary Reducers

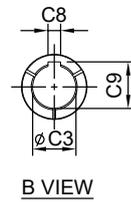
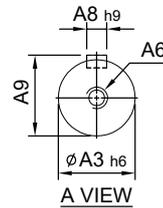
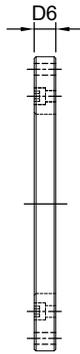
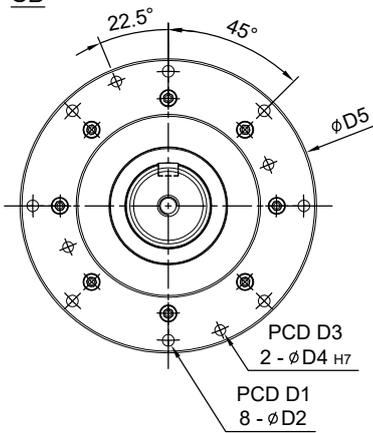
MODEL: SB-A SE-A

雙段 2-Stage

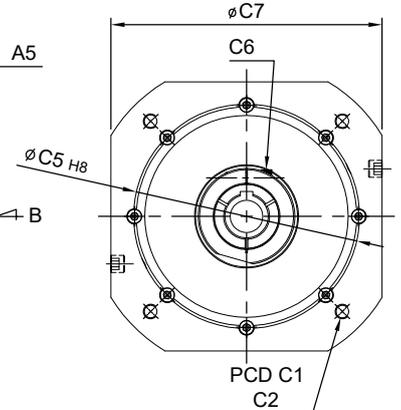
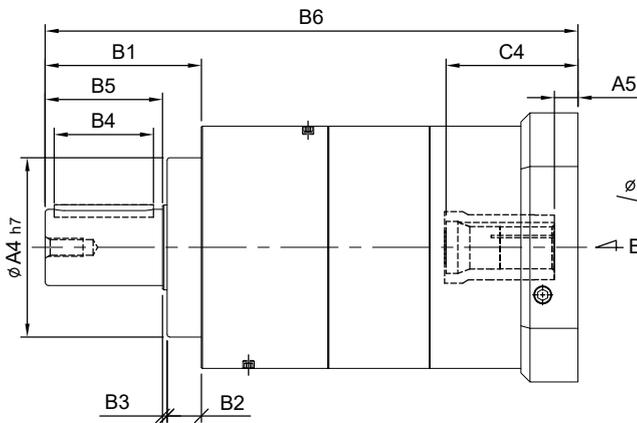
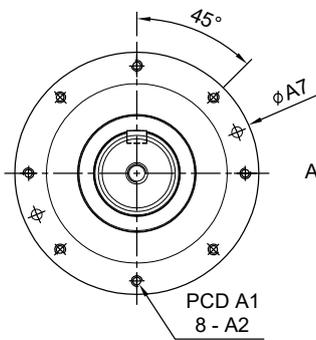
RATIO : 15, 20, 25, 30, 35,
40, 50, 70, 100



SB



SE

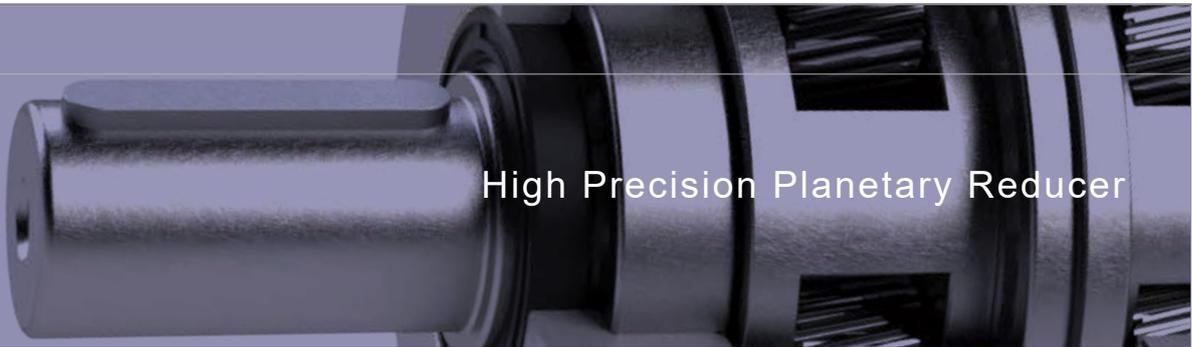


unit: mm

Model	270A
Code	
A1	240
A2	M12 x P1.75
A3	85
A4	200
A5	26 · 23
A6	M20 x P2.5
A7	270
A8	22
A9	90
B1	173
B2	38
B3	5
B4	110
B5	130
B6	586.5 · 589.5

unit: mm

Model	270A
Code	
C1	265 · 300 · 350
C2	M12 · M16 · M18
C3	48 · 55 · 60
C4	143 · 146 · 149
C5	230 · 250 · 300
C6	M12 x P1.75
C7	280 · 300 · 330
C8	14 · 16 · 18
C9	51.8 · 59.3 · 64.4
D1	300
D2	13
D3	300
D4	12
D5	328
D6	24



High Precision Planetary Reducer

規格 Parameter	代號	單位 Unit	速比 Ratio	270A
額定輸出扭矩 Rated Output Torque (Nominal output torque)	T_{2N}	Nm	15	4,770
			20	4,730
			25	4,680
			30	4,770
			35	4,570
			40	4,730
			50	4,680
			70	4,570
			100	4,420
最大加速扭矩 Max. Acceleration Torque	T_{2B}	Nm	15 ~ 100	1.8 倍額定輸出力矩 1.8 Times of Rated Output Torque
最大輸出扭矩 Max. Output Torque 急停扭矩 Emergency Stop Torque	T_{2NOT}	Nm	15 ~ 100	3 倍額定輸出力矩 3 Times of Rated Output Torque
額定輸入轉速 Rated Input Speed	n_{IN}	rpm	15 ~ 100	2,000
最大輸入轉速 Max. Input Speed	n_{IB}	rpm	15 ~ 100	3,000
背隙 Backlash Ps		arcmin	15 ~ 100	≤ 3
背隙 Backlash P0		arcmin	15 ~ 100	≤ 5
背隙 Backlash P1		arcmin	15 ~ 100	≤ 7
背隙 Backlash P2		arcmin	15 ~ 100	≤ 9
扭轉剛性 Torsional Rigidity		Nm/arcmin	15 ~ 100	510
容許徑向力 Max. Radial Force	F_{2rB}	N	15 ~ 100	107,100
容許軸向力 Max. Axial Force	F_{2aB}	N	15 ~ 100	53,550
使用壽命 Service Life	L_H	hr	15 ~ 100	S5 周期運轉 : >30,000 (S1 連續運轉 : >15,000 hrs) S5 Cycle Operation: >30,000 (S1 Continuous Operation: >15,000 hrs)
效率 Efficiency	η	%	15 ~ 100	$\geq 94\%$
使用溫度 Operating Temperature		$^{\circ}\text{C}$	15 ~ 100	$-25^{\circ}\text{C} \sim +90^{\circ}\text{C}$
潤滑 Lubrication			15 ~ 100	全合成潤滑油脂 Synthetic Grease
防護等級 Protection Class			15 ~ 100	IP65
安裝方向 Mounting Position			15 ~ 100	任意方向 Any
噪音值 Noise Level		dB	15 ~ 100	≤ 72
重量 Weight $\pm 3\%$		Kg	15 ~ 100	SB : 146 · SE : 136.5

■ 轉動慣量 (kg.cm²) Mass Moments of Inertia

Ratio	270A
15	65.74
20	65.74
25	65.74
30	64.86
35	64.86
40	64.86
50	64.86
70	62.62
100	61.17