CHKA SERIES PERFORMANCE (3-STAGE, RATIO I = 100~1,000)

Precision Planetary Gearbox

CANDY CONTROLS®

MODEL NO.		STAGE	RATIO (1)	CHKA 285	CHKA 355	CAKHA 450
Nominal Output Torque T(2N)	Nm	3	100	3,345	5,620	10,965
			125	3,345	5,625	10,970
			140	3,345	5,625	10,970
			175	3,345	5,625	10,970
			200	3,345	5,625	10,975
			250	3,345	5,625	10,975
			350	3,345	5,630	10,975
			500	3,345	5,350	9,050
			700	2,555	4,825	9,600
			1,000	1,650	3,250	6,785
Emergency Stop Torque T(2NOT)	Nm	3	100~1,000	2 times T(2N)		
Max. Acceleration Torque T(2B)	Nm	3	100~1,000	1,5 times T(2N)		
No Load Running Torque(3)	Nm	3	100~1,000	6	6	13
Backlash(2)	arcmin	3	100~1,000	≦ 2	≦ 2	≦ 2
Torsional Rigidity	Nm/arcmin	3	100~1,000	1,275	2,500	5,100
Nominal Input Speed n(1N)	rpm	3	100~1,000	2,100	2,100	2,000
Max. Input Speed n(1B)	rpm	3	100~1,000	4,000	4,000	3,000
Max. Axial Load F(2a)(4)	N	3	100~1,000	39,200	101,500	143,700
Max. Bending Moment M(2k)(4)	Nm	3	100~1,000	9,230	29,100	63,300
Service Life(4)	hr	3	100~1,000	20,000		
Operating Temp	°C	3	100~1,000	-10°C~ 90°C		
Degree of Gearbox Protection		3	100~1,000	IP65		
Lubrication		3	100~1,000	Synthetic lubrication grease		
Mounting Position		3	100~1,000	All directions		
Running Noise(3)	dB(A)	3	100~1,000	≦ 72	≦ 74	≦ 76
Efficiency η	%	3	100~1,000	≦ 92%		

(1) Ratio (i=N[in]/N[out]) (2) Backlash is measured at 2% of Nominal Output Torque T(2N). (3) These values are measured by gearbox with ratio = 10 (1-stage) or ratio = 100 (2-stage) at 3,000 rpm, without load. By ratio smaller than 10, the noise value would be 3-5dB higher. (4) Applied to the output flange center at 100 rpm. (5) Continuous operation is not recommended.