

ANR Series

Specifications

Gearbox Performance

Model No.	Stage	Ratio ¹	ANR023	ANR023A	ANR023B	ANR023C	ANR034	ANR034A	ANR034B	ANR034C	
Nominal Output Torque T_{2N}	Nm	1	5	60	-	60	-	150	-	150	-
			10	40	-	40	-	100	-	100	-
			20	40	-	40	-	100	-	100	-
	Nm	2	25	60	60	60	60	150	150	150	150
			50	60	60	60	60	100	100	100	100
			100	40	40	40	40	100	100	100	100
		200	-	40	-	40	100	100	100	100	
Emergency Stop Torque T_{2NOT} ²	Nm	1,2	5~200	3 times of Nominal Output Torque							
Nominal Input Speed n_{1N}	rpm	1,2	5~200	5,000	5,000	5,000	5,000	4,000	4,000	4,000	4,000
Max. Input Speed n_{1B}	rpm	1,2	5~200	10,000	10,000	10,000	10,000	8,000	8,000	8,000	8,000
Micro Backlash P_0		1	5~20	-	-	-	-	≤2	-	≤2	-
		2	25~200	-	-	-	-	≤4	≤4	≤4	≤4
Reduced Backlash P_1	arcmin	1	5~20	≤4	-	≤4	-	≤4	-	≤4	-
		2	25~200	7	≤7	≤7	≤7	≤7	≤7	≤7	≤7
Standard Backlash P_2	arcmin	1	5~20	≤6	-	≤6	-	≤6	-	≤6	-
		2	25~200	≤9	≤9	≤9	≤9	≤9	≤9	≤9	≤9
Torsional Rigidity	Nm/arcmin	1,2	5~200	2.6	2.6	1.7	1.7	9.5	9.5	3.2	3.2
Max. Radial Load F_{2rB} ³	N	1,2	5~200	950	950	1,000	1,000	2,450	2,450	2,550	2,550
Max. Axial Load F_{2aB} ³	N	1,2	5~200	475	475	500	500	1,225	1,225	1,275	1,275
Service Life	hr	1,2	5~200	20,000*							
Efficiency η	%	1	5~20	≥95%							
		2	25~200	≥92%							
Weight	kg	1	5~20	2	-	2	-	6	-	6	-
		2	25~200	1.8	2.6	1.8	2.6	4.8	8	4.7	7.9
Operating Temperature	°C	1,2	5~200	-10°C~90°C							
Lubrication				Synthetic lubrication oils							
Degree of Gearbox Protection		1,2	5~200	IP65							
Mounting Position		1,2	5~200	all directions							
Noise Level ($n_1=3000$ rpm, No Load)	dB(A)	1,2	5~200	≤63	≤65	≤63	≤65	≤65	≤68	≤65	≤68

Gearbox Inertia

Model No.	Stage	Ratio ¹	ANR023	ANR023A	ANR023B	ANR023C	ANR034	ANR034A	ANR034B	ANR034C	
Mass Moments of Inertia J_1	kg · cm ²	1	5~10	0.35	-	0.35	-	2.25	-	2.25	-
			20	0.07	-	0.07	-	1.87	-	1.87	-
	kg · cm ²	2	25~100	0.09	0.35	0.09	0.35	0.35	2.25	0.35	2.25
			120~200	-	0.07	-	0.07	0.31	1.87	0.31	1.87

1. Ratio ($i=N_{in}/N_{out}$)

2. $T_{2B} = 60\%$ of T_{2NOT}

3. Applied to the output shaft center @ 100 rpm

* S1 service life 10,000 hrs (Consult us)