



PLANETARY GEARHEAD

PGHA / PGHX SERIES



100%

Made in Taiwan

High Stiffness PGHA

- Superior stiffness & precision
- Tough applications such as double column or horizontal machine centers

High Torque PGHX

- High output torque & rigidity
- High power transmission or large machine tool applications

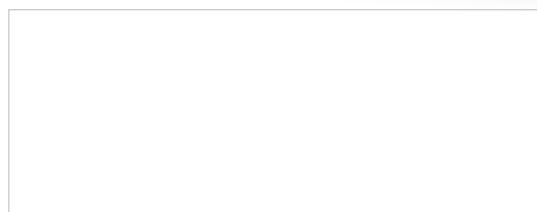


Registration Number: 1550921710 Registration Number: 32E0550

Specifications		Stage	Ratio	PGHA-220	PGHA-240	PGHX-220	PGHX-240	
Nominal Output Torque T_{2N}	N-m	1	3	1200	1500	1650	2000	
			4	1850	2550	2600	3500	
			5	2200	3020	3020	4100	
			6	2050	2800	2900	3900	
			7	1900	2600	-	-	
			8	1750	2400	-	-	
			9	1600	2200	-	-	
		10	1600	2200	-	-		
		2	Stage	Ratio	PGHA-220T	PGHA-240T	PGHX-220T	PGHX-240T
				15	2200	3020	2800	4100
	20		2200	3020	3020	4100		
	25		2200	3020	3020	4100		
	30		2200	3020	3020	4100		
	35		2200	3020	3020	4100		
	40		2200	3020	3020	4100		
	45		2200	3020	3020	4100		
	50		2200	3020	3020	4100		
	60		2050	2800	2900	3900		
	70	1900	2600	-	-			
	80	1750	2400	-	-			
90	1600	2200	-	-				
100	1600	2200	-	-				
Emergency Stop Torque T_{2NOT}	N-m	3.0 times of Nominal Output Torque (* Max. Output Torque T_{2B} = 60% of Emergency Stop Torque)						
Nominal Input Speed n_{1N}	rpm	1,2	3-100	2000	1500	2000	1500	
Max. Input Speed n_{1max}	rpm	1,2	3-100	4000	2500	4000	2500	
Micro Backlash P_0	arcmin	1	3-10	≤ 1	≤ 1	≤ 1	≤ 1	
		2	15-100	≤ 3	≤ 3	≤ 3	≤ 3	
Precision Backlash P_1	arcmin	1	3-10	≤ 3	≤ 3	≤ 3	≤ 3	
		2	15-100	≤ 5	≤ 5	≤ 5	≤ 5	
Standard Backlash P_2	arcmin	1	3-10	≤ 5	≤ 5	≤ 5	≤ 5	
		2	15-100	≤ 7	≤ 7	≤ 7	≤ 7	
Torsional Rigidity	N·m / arcmin	1,2	3-100	350	500	460	650	
Max. Radial Load F_{2RB^1}	N	1,2	3-100	33000	46500	33000	46500	
Max. Axial Load F_{2aB^1}	N	1,2	3-100	18530	27000	18530	27000	
Operating Temp.	°C	-10°C ~ +90°C						
Service Life	hr	3-100 20,000 (10,000 Continuous Operation)						
Efficiency	%	1	3-10	$\geq 97\%$				
		2	15-100	$\geq 94\%$				
Weight	kg	1	3-10	57	-	58	-	
		2	15-100	71.5	-	72.5	-	
Mounting Position	-	1,2	3-100	Any direction				
Noise Level ²	dBA/1m	1,2	3-100	70	72	70	72	
Protection Class	-	1,2	3-100	IP65				
Lubrication	-	1,2	3-100	Synthetic Lubricant				
Inertia(J1)								
Stage	Ratio	unit		PGHA-220	PGHA-240	PGHX-220	PGHX-240	
1	3	Kg · cm ²		79.50	-	79.50	-	
	4			58.21	-	58.21	-	
	5			54.36	-	54.36	-	
	6/7/8			54.12	-	54.12	-	
	9/10			53.98	-	53.98	-	
Stage	Ratio			PGHA-220T	PGHA-240T	PGHX-220T	PGHX-240T	
2	15			30.5	79.5	30.5	79.5	
	20/25/30/35/40			25.86	58.21	25.86	58.21	
	45/50/60/70/80/90/100			22.73	53.98	22.73	53.98	

1. Applied to the output shaft center @100 rpm. 2. Measured at 3000 rpm with no load. These values are measured by gearbox with ratio = 10 (1 stage) or ratio = 100 (2 stage) at nominal input speed or 3000 rpm (if nominal input speed is higher than 3000 rpm) with no load.
 ※ The above figures/specifications are subject to change without prior notice.

AGENT



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