

HZH

Series



Technical Parameters					
		HZH064A	HZH090A	Ratios(i)	Stages
Nominal torque T_n	N·m	16.5	63.0	3	1-stages
		26.0	90.0	4	
		28.0	100.0	5	
		20.0	68.0	7	
		12.5	43.0	10	
		19.5	75.0	9	2-stages
		31.5	110.0	12	
		31.5	110.0	16	
		31.5	110.0	20	
		33.5	120.0	25	
		31.5	110.0	28	
		33.5	120.0	35	
		31.5	110.0	40	
		33.5	120.0	50	
		24.0	81.0	70	
		37.5	130.0	80	3-stages
		37.5	130.0	100	
		40.0	145.0	125	
		37.5	130.0	140	
		40.0	145.0	175	
		37.5	130.0	200	
		40.0	145.0	250	
		37.5	130.0	280	
		40.0	145.0	350	
37.5	130.0	400			
40.0	145.0	500			
28.0	95.0	700			
18.0	62.0	1000			
Max.output torque T_{2n}	N·m	2*Nominal torque			
Backlash	arcmin	<4	<4	P1	1-stages
		<8	<8	P2	
		<8	<8	P1	2-stages
		<12	<12	P2	
		<10	<10	P1	3-stages
		<14	<14	P2	
No-load torque	N·m	0.18	0.6		1-stages
		0.17	0.55		2-stages
		0.16	0.5		3-stages
Rated input speed	rpm	3000	3000		
Maximum input speed	rpm	7000	6000		
Noise	dB	≤58	≤60		

Description

- ① The return clearance is measured under 2% of the rated output torque T_{2n}
- ② The noise value is measured at a distance of 1 meter from the measured machine body at the rated input speed and without load.

Technical Parameters				
Model	Unit	HZH		Stages
Lifetime	h	20000		
Min.operating temp	°C	-25		
Max.operating temp	0	+90		
Degree of protection	IP	IP65		
Mounting position		Life lubrication		
Mounting position		Any		
Direction of rotaton		Same direction		
Maxiumum efficiency	%	94%	94%	1-stages
		92%	92%	2-stages
		88%	88%	3-stages

Model	Unit	HZH064A	HZH090A	Stages
Max.radial force	N	400	1050	1-stages
		500	1300	2-stages
		800	1500	3-stages
Max.axial force	N	300	850	1-stages
		390	1100	2-stages
		700	1300	3-stages
Torsional stiffness	N·m/arcmin	3.2	8.5	

Description

- ① Life is the time of continuous operation under rated load;
- ② The maximum allowable radial force is the allowable radial force measured at the center of the output shaft (1/2 shaft length) when the output speed is 100rpm for single-stage, 50rpm for double-stage and 10rpm for triple-stage
- ③ The maximum allowable axial force is the allowable axial force measured at the outer end face of the output shaft when the output speed is 100rpm for single-stage, 50rpm for double-stage and 10rpm for triple-stage; If you have other special requirements,

Please Contact HKT-Robot Technicians.