

PHF Specifications Table PHF性能規格共表

規格 Specifications		節數 Stage	減速比 Ratio	PHF-42	PHF-60	PHF-90	PHF-115	PHF-142	PHF-200	PHF-255	
額定輸出力矩 T _{2N} Nominal Output Torque	N • m	1	3	-	40	105	180	310	760	1240	
			4	16	43	110	240	450	950	1600	
			5	17	50	130	290	530	1260	2050	
			7	14	44	125	270	450	1150	1850	
			10	11	37	95	220	360	960	1500	
		2	減速比 Ratio	PHF-42	PHF-60 (T)	PHF-90(T)	PHF-115T	PHF-142T	PHF-200T	PHF-255T	
			15	-	40	105	180	310	760	1240	
			20	16	43	110	240	450	950	1600	
			25	17	50	130	290	530	1260	2050	
			30	17	50	130	290	530	1260	2050	
			35	17	50	130	290	530	1260	2050	
			40	17	50	130	290	530	1260	2050	
			50	17	50	130	290	530	1260	2050	
			70	14	44	125	270	450	1150	1850	
100	11	37	95	220	360	960	1500				
急停力矩 T _{2NOT} Emergency Stop Torque	N • m	3.0 倍額定輸出力矩 (3.0 times of Nominal Output Torque) (* 最大輸出力矩 Max. Output Torque T _{2B} = 60% of Emergency Stop Torque)									
額定輸入轉速 n _{1N} Nominal Input Speed	rpm	1,2	3-100	5000	5000	4000	4000	3000	3000	2000	
最大輸入轉速 n _{1max} Max. Input Speed	rpm	1,2	3-100	10000	10000	8000	8000	6000	5000	4000	
超精密背隙 Micro Backlash P0	arcmin	1	3-10	≤ 2	≤ 2	≤ 2	≤ 1	≤ 1	≤ 1	≤ 1	
精密背隙 Precision Backlash P1	2	12-100	≤ 4	≤ 4	≤ 4	≤ 3	≤ 3	≤ 3	≤ 3	≤ 3	
	1	3-10	≤ 4	≤ 4	≤ 4	≤ 3	≤ 3	≤ 3	≤ 3	≤ 3	
標準背隙 Standard Backlash P2	2	12-100	≤ 6	≤ 6	≤ 6	≤ 5	≤ 5	≤ 5	≤ 5	≤ 5	
	1	3-10	≤ 6	≤ 6	≤ 6	≤ 5	≤ 5	≤ 5	≤ 5	≤ 5	
扭轉剛性 Torsional Rigidity	2	12-100	≤ 8	≤ 8	≤ 8	≤ 7	≤ 7	≤ 7	≤ 7	≤ 7	
	N • m /arcmin	1,2	3-100	6	12	30	80	150	450	1000	
容許彎曲力矩 M _{2ka} ¹ Max. Bending Moment	N • m	1,2	3-100	43	125	288	503	1470	2950	6500	
容許軸向力 F _{2aB} ¹ Max. Axial Load	N	1,2	3-100	1015	1340	2868	3890	9850	12560	21850	
使用溫度 Operating Temp.	°C	3-100 -10 °C ~ +90 °C									
使用壽命 Service Life	hr	3-100 30,000 (15,000/ 連續運轉 Continuous operation)									
效率 Efficiency	1	3-10	≥ 97%								
	2	12-100	≥ 94%								
重量 Weight	1	3-10	0.7	1.5	3.3	6.2	13.6	32.1	58.8		
	2	12-100	1.1	2.3/1.8	6.0/4.1	8.1	17.9	38.6	72.5		
安裝方向 Mounting Position	-	1,2	3-100	任意方向 Any direction							
噪音值 Noise Level ²	dB(A)/m	1,2	3-100	56	58	60	63	65	67	70	
防護等級 Protection Class	-	1,2	3-100	IP65							
潤滑 Lubrication	-	1,2	3-100	全合成潤滑油 Synthetic Lubricant							
減速機轉動慣量 Inertia(J1)											
節數 Stage	減速比 Ratio	單位 unit	PHF-42	PHF-60	PHF-90	PHF-115	PHF-142	PHF-200	PHF-255		
			-	0.19	0.72	2.35	9.05	29.80	72.50		
			0.02	0.18	0.67	1.66	7.17	25.86	58.21		
			0.02	0.17	0.65	1.50	6.52	23.63	54.36		
			0.02	0.14	0.60	1.45	6.17	22.92	54.12		
節數 Stage	減速比 Ratio	單位 unit	PHF-42	PHF-60(T)	PHF-90(T)	PHF-115T	PHF-142T	PHF-200T	PHF-255T		
			0.02	0.17(0.02)	0.65(0.17)	0.65	1.50	6.52	23.63		
			0.02	0.14(0.02)	0.60(0.14)	0.60	1.45	6.17	22.92		
			0.02	0.14(0.02)	0.58(0.14)	0.58	1.41	6.10	22.73		
			0.02	0.14(0.02)	0.58(0.14)	0.58	1.41	6.10	22.73		

* 1. 輸出轉速 100rpm 時,作用於輸出軸中心位置 Applied to the output shaft center @100rpm.

* 2. 3000rpm 空載重測 Measured at 3000rpm with no load

* 本公司有權對以上數據規格進行設計變更不先行告知。 The above figures/specifications are subject to change without prior notice.



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