PHFR Specifications Table PHFR性能規格共表

規格 Specifications		節數 Stage	減速比 Ratio	PHFR-42	PHFR-60	PHFR-90	PHFR-115	PHFR-142	PHFR-200	PHFR-255
額定輸出力矩 T_{2N} Nominal Output Torque	N • m	1	3	-	40	105	180	310	580	1100
			4	16	43	110	240	450	1100	1700
			5	17	50	130	290	530	1200	1900
			7	14	44	125	270	450	1100	1650
			10	11	37	95	220	360	900	1450
			14	14	44	125	270	450	1100	1650
			20	11	37	95	220	360	900	1450
		節數 Stage	減速比 Ratio	PHFR-42	PHFR-60 (T)	PHFR-90(T)	PHFR-115T	PHFR-142T	PHFR-200T	PHFR-255T
		2	15	-	40	105	180	310	580	1100
			20	16	43	110	240	450	1100	1700
			25	17	50	130	290	530	1200	1900
			30	17	50	130	290	530	1200	1900
			35	17	50	130	290	530	1200	1900
			40	17	50	130	290	530	1200	1900
			50	17	50	130	290	530	1200	1900
			70	14	44	125	270	450	1100	1650
			100	11	37	95	220	360	900	1450
			140	14	44	125	270	450	1100	1650
			200	11	37	95	220	360	900	1450
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 T2B =60% of Emergency Stop Torque)							
額定輸入轉速 n_{1N} Nominal Input Speed	rpm	1,2	3-200	5000	5000	4000	4000	3000	3000	2000
最大輸入轉速 n_{1max} Max. Input Speed	rpm	1,2	3-200	10000	10000	8000	8000	6000	6000	4000
超精密背隙 Micro Backlash P0	arcmin	1	3-20	-	-	≦3	≦2	≦2	≦2	≦2
		2	15-200	-	-	≦5	≦4	≦4	≦4	≦4
精密背隙 Precision Backlash P1	arcmin	1	3-20	≦5	≦5	≦5	≦4	≦4	≦4	≦4
		2	15-200	≦7	≦7	≦7	≦7	≦7	≦7	≦7
標準背隙 Standard Backlash P2	arcmin	1	3-20	≦7	≦7	≦7	≦6	≦6	≦6	≦6
		2	15-200	≦9	≦9	≦9	≦9	≦9	≦9	≦9
扭轉剛性Torsional Rigidity	N • m /arcmin	1,2	3-100	6	12	28	75	130	400	920
容許彎曲力矩 M_{2kB} [1] Max. Bending Moment	N • m	1,2	3-100	43	125	260	503	1140	3430	6600
容許軸向力 F_{2aB} [1] Max. Axial Load	N	1,2	3-100	1015	1340	2450	3890	8360	15500	28500
使用溫度 Operating Temp.	°C		3-100	-10 °C ~+90 °C						
使用壽命Service Life	hr		3-100	20,000 (10,000/ 連續運轉 Continuous operation)						
效率 Efficiency	%	1	3-10	≧95%						
		2	12-100	≧92%						
重量 Weight	kg	1	3-10	1.0	2.6	6.6	13.5	25.1	50	85
		2	12-100	1.1	3.3/2.9	8.6/7.0	14.8	26.7	55	88
安裝方向 Mounting Position	-	1,2	3-100	任意方向Any direction						
噪音值 Noise Level [2]	dBA/1m	1,2	3-100	62	64	66	68	70	72	74
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	PHFR-42	PHFR-60	PHFR-90	PHFR-115	PHFR-142	PHFR-200	PHFR-255
1	3/4/5/7/9	Kg • cm^2	0.06	0.40	2.28	6.87	24.2	69.8	138.2
	10/14/20		0.05	0.30	1.45	4.76	14.5	50.3	103.6
節數Stage	減速比Ratio		PHFR-42	PHFR-60(T)	PHFR-90(T)	PHFR-115T	PHFR-142T	PHFR-200T	PHFR-255T
2	15/20/25/35		0.06	0.40(0.08)	2.28(0.72)	3.02	7.83	27.7	80.3
	others		0.05	0.30(0.06)	1.45(0.38)	1.64	5.00	15.9	55.3

* 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 空載量測 Measured at 3000rpm with no load
※本公司有權對以上數據規格逕行設計變更不先行告知。 The above figures/specifications are subject to change without prior notice.

Products due to human error, natural disasters or other factors lead to poor or damaged, will not be covered under warranty.
產品因人為原因或天災等因素導致不良或損壞，不在保固範圍內。

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