

# 13 FUKUTA®

INNOVATION / ENTHUSIASM / CREDIBILITY

MODEL  
**SF-180**  
FUKUTA SERVO MOTOR



### 產品規格 Standard

輸出 Output(kW)	55	75	90	110	132
框號 Frame No.	180P	180S	180M	180L	180X
效率 Efficiency(%)	92.8%	92.7%	93.8%	93.0%	92.8%
功率因數 Power Factor	0.831	0.825	0.828	0.808	0.822
R1(Ω) @25°C	0.084	0.065	0.053	0.038	0.035
極數 Poles	6	6	6	6	6
轉動慣量 Rotor Inertial(kg·m <sup>2</sup> )	0.5463	0.6466	0.7389	0.9075	1.0479
激磁電流 Magnetizing Current(A)	44.7	62.1	71.6	99.3	107.5
額定轉速 Rated Speed (rpm)	1500	1500	1500	1500	1500
最高轉速 Max. Speed (rpm)	3500	3500	3500	3500	3500
重量 Weight(kg)	315.0	360.0	400.0	478.0	530.0
編碼器 Encoder	1024PPR RS422(Line-drive)/Push-Pull				
風扇 Elec. Fan	1ø 230V 50/60Hz 155/215W				
軸承 Bearing	LS-6316 C3		OS-6315 C3		

※編碼器之選用依需求為主

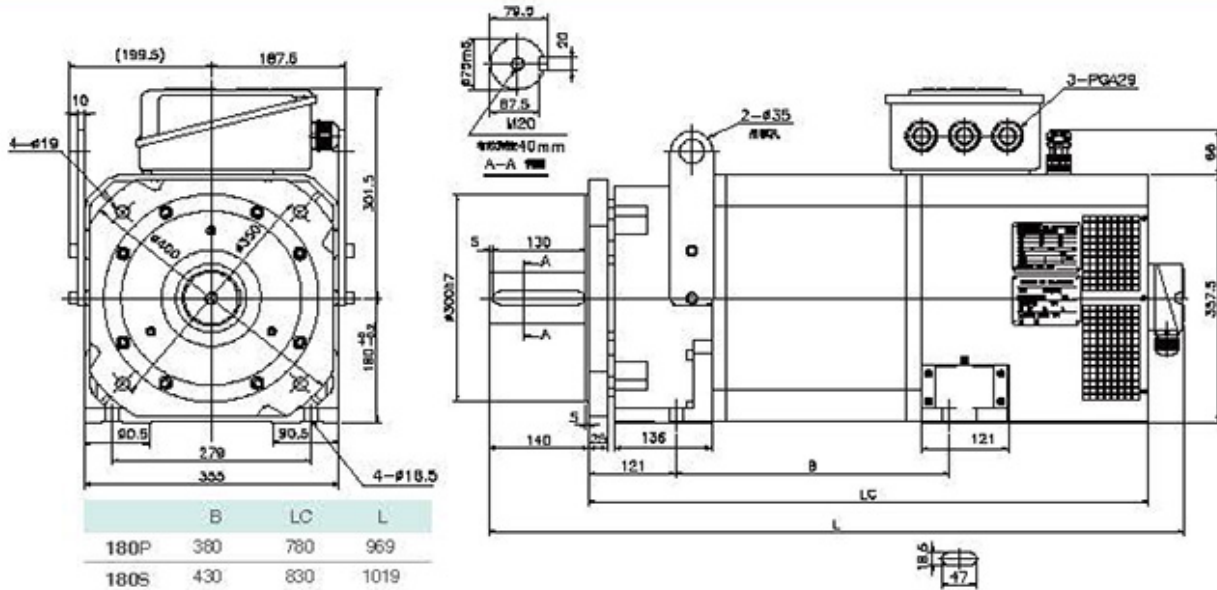
### 一般條件 General Data

安裝方式 Mounting	IM 2001 (B3/B5)
保護方式 Protection	IP54
轉子平衡 Rotor Balancing	F級 (ISO2373) R Degree
絕緣等級 Insulation	H級 Class H
冷卻系統 Cooling Sys.	強制通風 Forced Air Cooled
熱保護 Thermal Protection	熱保護器 (常閉) Thermal Protector (NC)
噪音 Noise	80dBA
周圍溫度 Ambient Temp.	-15°C~40°C
高度 Altitude	海拔1000米 1000m ASL
溫度感測器 Temperature sensor	KTY-84



**FUKUTA®**

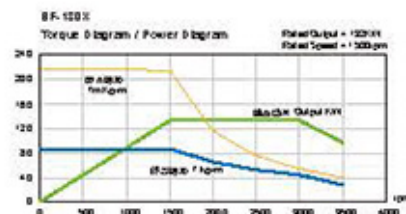
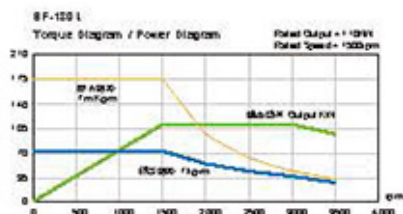
◎歡迎洽商標準產品以外，專用產業特性之開發和客製



	B	LC	L
180P	380	780	969
180S	430	830	1019
180M	475	875	1064
180L	560	960	1149
180X	630	1030	1219

**FUKUTA® 伺服馬達規格之選用**

機號 Fr. No.	額定輸出 Rated Output	額定轉速 Rated Speed	最大轉矩 Max. Torque	額定轉矩 Rated Torque	額定電流 Rated Current		額定頻率 Rated Frequen
					330V	380V	
SF-180P	37	1000	90.25	36.1	84.7	73.5	51.3
	55	1500	87.41	35.8	124.8	107.8	76.2
	69	2000	83.75	33.5	154.4	133.5	101.2
	90	3000	73.25	29.3	200.3	172.5	151.2
SF-180S	50	1000	121.75	48.7	115.6	99.7	51.2
	75	1500	114.85	48.76	168.7	146.1	76.3
	94	2000	114.25	45.9	206.1	182.2	101.0
SF-180M	124	3000	100.25	40.1	269.3	232.9	151.1
	60	1000	145.08	58.5	139.7	120.6	51.2
	90	1500	134.86	58.52	206.8	175.9	76.2
SF-180L	113	2000	136.15	55.1	250.4	215.9	101.3
	149	3000	119.54	48.2	326.8	282.8	151.3
	73	1000	177.32	71.5	168.8	146.0	51.2
SF-180X	110	1500	174.88	71.47	248.2	212.8	76.2
	138	2000	166.41	67.1	300.1	261.1	101.4
	181	3000	146.07	58.9	389.2	342.0	151.2
SF-180X	90	1000	212.54	85.7	202.0	176.3	51.4
	132	1500	212.8	85.8	297.4	254.4	76.4
	165	2000	199.4	80.4	363.1	314.0	101.4
	217	3000	175.1	70.6	483.5	425.0	151.1



本型號僅供參考，本公司保有修改之權利