



# 感應電動機試驗記錄表

(Test Report of Induction Motor)



客 戶 (Customer):

試驗日期 (Date):

型式 Type	輸出 Output (kW)	極數 Poles (P)	相數 Phase	框號 Frame No.	額定 Rating	頻率 Frequency (Hz)	電壓 Voltage (V)	電流 Current (A)	轉速 Speed (rpm)	額定效率 - 效率等級	
										Rated Eff. (%)	IE Code
AEHH-132S1-4 AEUH-132S1-4	5.595	4	3	132S	S1	50	200	22.40	1460	89.6	IE3
						60	200	21.10	1755	91.7	IE3
						60	220	18.80	1760	91.7	IE3
						60	230	18.30	1765	91.7	IE3
絕緣等級 Ins. Class		保護方式 Protection		冷卻方式 Cooling		軸承 Bearings		標準 Standard		試驗方法 Test Method	
155(F)		IP-54		TEFC / IC411		6308zz / 6306zz		JIS C4213:2014		JIS C4034-2-1:2011	

## 特性試驗 Characteristics Test

頻率 Frequency (Hz)	無負載試驗 No-Load Test			堵住試驗 Locked-Rotor Test						繞組電阻(端子間) Winding Resistance Between Terminals at 25°C (Ω)	
	電壓 Voltage (V)	電流 Current (A)	輸入功率 Input Power (W)	額定頻率 Rated Frequency(Hz)			1/2 頻率 1/2 Frequency(Hz)				
				電壓 Voltage (V)	電流 Current (A)	輸入功率 Input Power (W)	電壓 Voltage (V)	電流 Current (A)	輸入功率 Input Power (W)		
50	200	10.08	203.0								0.2828
60	200	7.05	160.6								0.2829
60	220	8.21	187.2								0.2829
60	230	9.14	211.1								0.2829

## 負載試驗 Load Characteristics Test

頻率 / 電壓 Freq. / Volt. (Hz / V)	負載率 Load (%)	電流 Current (A)	輸入功率 Input Power (W)	轉矩 Torque (N-m)	轉速 Speed (rpm)	功率因數 Power Factor (%)	效率 Efficiency (%)	起動電流 Starting Current(A)	起動轉矩 Starting Torque(%)	脫載轉矩 Break-Down Torque(%)	最大輸出 Maximum Output(%)
50 Hz 200 V	25	11.08	1625.6	8.952	1492	42.4	86.0	154.0	238.7	367.6	
	50	13.78	3087.6	18.001	1484	64.7	90.6				
	75	17.44	4596.3	27.148	1476	76.1	91.3				
	100	21.68	6159.5	36.419	1467	82.0	90.8				
	125	26.36	7780.8	45.836	1457	85.2	89.9				
	150	31.45	9469.8	55.384	1447	86.9	88.6				
60 Hz 200 V	25	8.51	1583.9	7.458	1791	53.7	88.3	133.0	198.1	308.8	
	50	11.81	3052.0	14.999	1781	74.6	91.7				
	75	15.89	4567.7	22.613	1772	83.0	91.9				
	100	20.49	6144.3	30.356	1760	86.6	91.1				
	125	25.52	7786.5	38.206	1748	88.1	89.8				
	150	31.00	9503.7	46.190	1735	88.5	88.3				
60 Hz 220 V	25	9.32	1607.6	7.453	1792	45.3	87.0	146.3	241.0	375.6	
	50	12.03	3064.6	14.965	1785	66.9	91.3				
	75	15.39	4560.9	22.549	1777	77.8	92.0				
	100	19.27	6103.0	30.202	1769	83.1	91.7				
	125	23.50	7693.1	37.945	1760	85.9	90.9				
	150	28.06	9343.1	45.794	1750	87.4	89.8				
60 Hz 230 V	25	10.02	1627.6	7.449	1793	40.8	85.9	153.0	263.7	411.0	
	50	12.31	3074.2	14.957	1786	62.7	91.0				
	75	15.39	4555.4	22.524	1779	74.3	92.1				
	100	18.91	6075.1	30.168	1771	80.6	92.1				
	125	22.76	7630.8	37.859	1764	84.2	91.7				
	150	22.91	9236.4	45.664	1755	101.2	90.9				

## 溫升試驗 Temperature Rise Test

[負載 Load: 100 %]

## 其他試驗 Others Test

## 絕緣耐壓試驗

## Dielectric Test

頻率 Frequency (Hz)	熱電偶法 Thermocouple Method	溫度計法 Thermometer Method			噪音試驗 Noise Test (dB/1m)(A)	振動試驗 Vibration Test (mm/mm)	絕緣電阻試驗 Insulation Resistance by 500V Megger(MΩ) (MΩ/DC500V)	絕緣耐壓試驗 High-Potential Test (A.C.60Hz/1min) (V / min)
	繞組溫升 Windings Temp. Rise(K)	定子 Core(K)	外殼 Frame(K)	軸承 Bearing(K)				
50	42.5	27.6	23.7	25.2		100	1500	
60	37.7	23.9	20.0	23.0				
60	34.7	27.2	18.7	21.5				
60	33.1	21.1	17.7	20.4				

## 備註 Notes

		年耗電量 Annual power consumption	一小時CO2排放量 One-hour CO2 emissions	核准 (Approved by):  <b>Jong-jyi Luoh</b> 試驗 (Tested by):
		30219 kWh	2618 g / hr	
		30144 kWh	2611 g / hr	
		29941 kWh	2594 g / hr	
		29804 kWh	2582 g / hr	