



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-132M1-4 AEUH-132M1-4 | 7.46 | 4 | 3 | 132M | S1 | 50 | 200 | 28.80 | 1460 | 90.4 | IE3 |
| | | | | | | 60 | 200 | 27.70 | 1750 | 91.7 | IE3 |
| | | | | | | 60 | 220 | 25.40 | 1765 | 91.7 | IE3 |
| | | | | | | 60 | 230 | 24.50 | 1770 | 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 | 12.13 | 207.0 | | | | | | | | 0.2059 |
| 60 | 200 | 8.81 | 166.0 | | | | | | | | 0.2060 |
| 60 | 220 | 10.24 | 201.0 | | | | | | | | 0.2060 |
| 60 | 230 | 11.04 | 219.0 | | | | | | | | 0.2060 |

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 | 13.44 | 2102.5 | 11.944 | 1491 | 45.2 | 88.7 | 197.8 | 233.8 | 354.6 | |
| | 50 | 17.34 | 4051.8 | 24.017 | 1483 | 67.5 | 92.1 | | | | |
| | 75 | 22.33 | 6062.0 | 36.246 | 1474 | 78.4 | 92.3 | | | | |
| | 100 | 27.92 | 8137.5 | 48.658 | 1464 | 84.1 | 91.7 | | | | |
| | 125 | 34.42 | 10303.1 | 61.283 | 1453 | 86.4 | 90.5 | | | | |
| 60 Hz 200 V | 25 | 10.76 | 2062.3 | 9.949 | 1790 | 55.3 | 90.4 | 167.3 | 186.9 | 299.2 | |
| | 50 | 15.23 | 4015.3 | 20.010 | 1780 | 76.1 | 92.9 | | | | |
| | 75 | 20.74 | 6035.8 | 30.202 | 1769 | 84.0 | 92.7 | | | | |
| | 100 | 26.90 | 8129.6 | 40.544 | 1757 | 87.2 | 91.8 | | | | |
| | 125 | 33.65 | 10315.7 | 51.058 | 1744 | 88.5 | 90.4 | | | | |
| 60 Hz 220 V | 25 | 11.63 | 2091.8 | 9.938 | 1792 | 47.2 | 89.2 | 190.8 | 234.7 | 372.2 | |
| | 50 | 15.28 | 4029.9 | 19.965 | 1784 | 69.2 | 92.6 | | | | |
| | 75 | 19.89 | 6020.3 | 30.100 | 1775 | 79.4 | 92.9 | | | | |
| | 100 | 25.08 | 8065.8 | 40.337 | 1766 | 84.4 | 92.5 | | | | |
| | 125 | 30.76 | 10180.3 | 50.709 | 1756 | 86.9 | 91.6 | | | | |
| 60 Hz 230 V | 25 | 12.42 | 2107.3 | 9.932 | 1793 | 42.6 | 88.5 | 198.0 | 262.7 | 410.9 | |
| | 50 | 15.53 | 4033.1 | 19.954 | 1785 | 65.2 | 92.5 | | | | |
| | 75 | 19.70 | 5999.3 | 30.049 | 1778 | 76.4 | 93.3 | | | | |
| | 100 | 24.24 | 8008.9 | 40.246 | 1770 | 82.9 | 93.1 | | | | |
| | 125 | 29.67 | 10082.9 | 50.565 | 1761 | 85.3 | 92.5 | | | | |
| 150 | 35.18 | 12208.2 | 60.989 | 1752 | 87.1 | 91.7 | | | | | |

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 | 44.5 | 26.4 | 30.7 | 29.7 | | 100 | 1800 | |
| 60 | 40.1 | 23.1 | 26.6 | 27.5 | | | | |
| 60 | 35.8 | 20.7 | 24.0 | 24.1 | | | | |
| 60 | 34.3 | 19.8 | 23.0 | 22.8 | | | | |

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): jong-ji Luoh 試驗 (Tested by): |
|--|----------------------------------|-------------------------------------|--|
| | 39923 kWh | 3458 g / hr | |
| | 39884 kWh | 3455 g / hr | |
| | 39571 kWh | 3428 g / hr | |
| | 39292 kWh | 3404 g / hr | |