



| | |
|------------|-------------------|
| Motor Type | IM120-L155-4P-DI |
| Spec | 380V-6krpm-13.8kW |

Line definition

Dimensions

thermal sensor (option)

- PT-1000 red, white
- PTC-130 blue

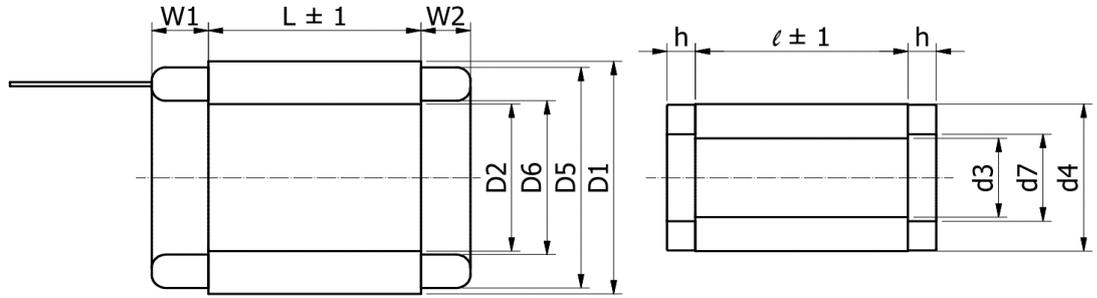
Rotor Type:

Cu

3 leads length :400 mm

- U x 1 red
- V x 1 white
- W x 1 black

AWG 14 (OD= 2.4mm) x2

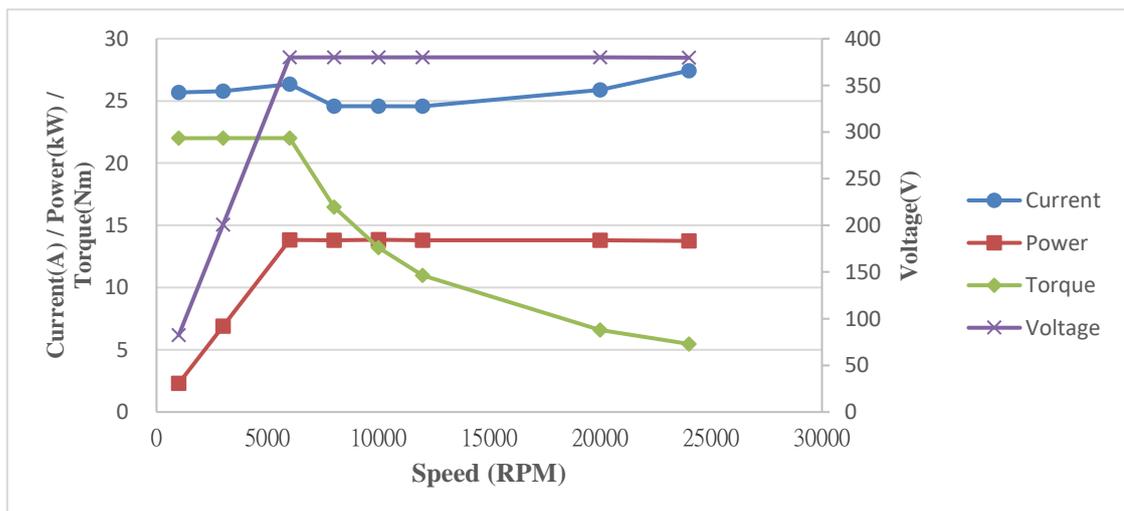


unit:mm

| | | | | | | | | | | | |
|--------------------|-------|----|-----|----|------|------|------|------|----|-----|-------|
| | D1 | D2 | D5 | D6 | W1 | W2 | d3 | d4 | d7 | h | L(=ℓ) |
| Delivery Dimension | 120.3 | 83 | 117 | 86 | ≤ 32 | ≤ 30 | 41 | 83 | 55 | 4.5 | 155 |
| Final Dimension | - | - | - | - | - | - | ≤ 54 | 82.3 | - | - | - |

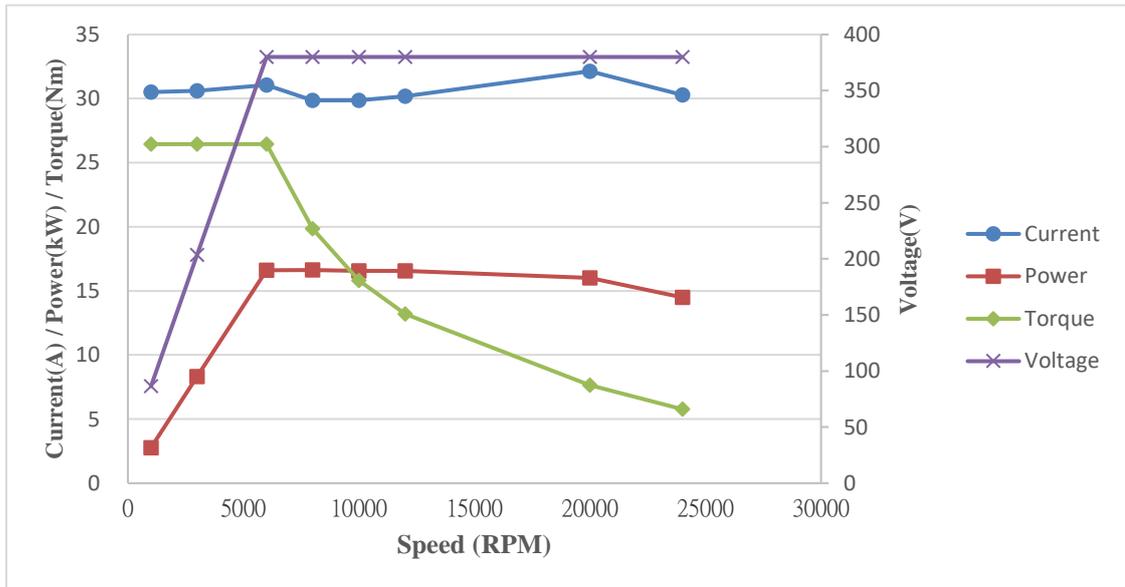
| DI + 53 | Speed | Volt | I | Power | Freq | PF | Slip | Lm | T | Loss |
|------------|-------|------|------|-------|------|-----|------|------|------|------|
| | rpm | Vrms | Arms | kW | Hz | | rpm | mH | Nm | W |
| No Load | 6000 | 356 | 9 | 0.8 | 200 | 21% | 5 | 17.9 | 1.2 | 408 |
| Rated Load | 1000 | 82 | 26 | 2.3 | 36 | 94% | 92 | 17.9 | 22.0 | 1120 |
| | 3000 | 201 | 26 | 6.9 | 103 | 91% | 92 | 17.9 | 22.0 | 1285 |
| | 6000 | 380 | 26 | 13.8 | 203 | 89% | 92 | 16.1 | 22.0 | 1618 |
| | 8000 | 380 | 25 | 13.8 | 271 | 94% | 122 | 23.8 | 16.5 | 1469 |
| | 10000 | 380 | 25 | 13.8 | 339 | 95% | 155 | 24.0 | 13.2 | 1455 |
| | 12000 | 380 | 25 | 13.8 | 406 | 94% | 188 | 24.1 | 11.0 | 1442 |
| | 20000 | 380 | 26 | 13.8 | 679 | 90% | 355 | 23.9 | 6.6 | 1512 |
| 24000 | 380 | 27 | 13.8 | 816 | 85% | 483 | 23.9 | 5.5 | 1630 | |

Parameters
 0 Hz-- 10 V
 214 Hz -- 380V
 827 Hz -- 380V





| S3 | | | | | | | | | | |
|------------|-------|------|------|-------|------|-----|------|------|------|------|
| DI + 50 | Speed | Volt | I | Power | Freq | PF | Slip | Lm | T | Loss |
| | rpm | Vrms | Arms | kW | Hz | | rpm | mH | Nm | W |
| No Load | 6000 | 351 | 9 | 0.7 | 200 | 22% | 5 | 18.8 | 1.2 | 388 |
| Rated Load | 1000 | 86 | 30 | 2.8 | 37 | 95% | 115 | 18.8 | 26.4 | 1579 |
| | 3000 | 203 | 31 | 8.3 | 104 | 93% | 115 | 18.8 | 26.4 | 1758 |
| | 6000 | 380 | 31 | 16.6 | 204 | 92% | 115 | 17.0 | 26.4 | 2106 |
| | 8000 | 380 | 30 | 16.6 | 272 | 95% | 153 | 23.8 | 19.8 | 1983 |
| | 10000 | 380 | 30 | 16.6 | 340 | 94% | 194 | 24.0 | 15.8 | 1967 |
| | 12000 | 380 | 30 | 16.6 | 408 | 93% | 240 | 24.1 | 13.2 | 1986 |
| | 20000 | 380 | 32 | 16.0 | 683 | 86% | 476 | 23.9 | 7.6 | 2136 |
| | 24000 | 380 | 30 | 14.5 | 819 | 82% | 560 | 23.8 | 5.8 | 1907 |





| PEAK | | | | | | | | | | |
|------------|-------|-------|------|-------|--------|-------|------|------|-----|------|
| DQ + 50 | Speed | Volt | I | Power | Freq | PF | Slip | Lm | T | Loss |
| | rpm | Vrms | Arms | kW | Hz | | rpm | mH | Nm | W |
| No Load | 15000 | 313.1 | 7.3 | 0.1 | 500.2 | 11.6% | 5 | 7.40 | 0.1 | 351 |
| Rated Load | 3000 | 95.8 | 26.1 | 2.3 | 118.0 | 87.0% | 541 | 7.40 | 7.3 | 1467 |
| | 9000 | 227.3 | 26.2 | 6.9 | 318.0 | 82.9% | 541 | 7.40 | 7.3 | 1658 |
| | 12000 | 293.2 | 26.3 | 9.2 | 418.0 | 82.2% | 541 | 7.40 | 7.3 | 1766 |
| | 15000 | 359.1 | 26.3 | 11.5 | 518.0 | 81.7% | 541 | 7.40 | 7.3 | 1881 |
| | 18000 | 359.4 | 26.9 | 11.5 | 623.7 | 80.4% | 711 | 8.08 | 6.1 | 1937 |
| | 25000 | 359.4 | 24.4 | 9.7 | 866.1 | 74.8% | 983 | 8.15 | 3.7 | 1623 |
| | 30000 | 359.4 | 23.5 | 8.6 | 1041.7 | 68.9% | 1250 | 8.15 | 2.7 | 1489 |
| | 36000 | 359.4 | 21.8 | 7.2 | 1251.7 | 62.5% | 1550 | 8.13 | 1.9 | 1289 |

