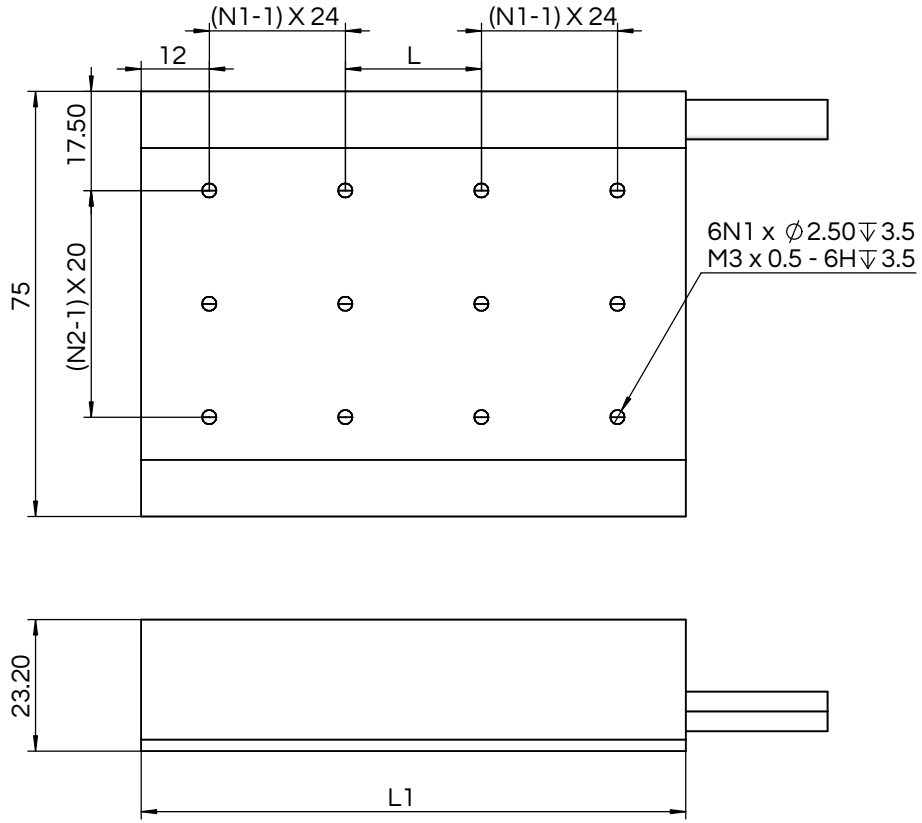
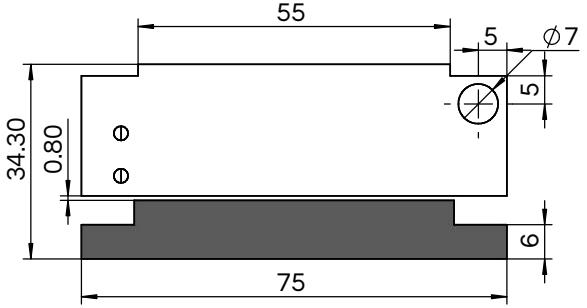



| Technical data | Unit | TJM75-S2 Series | TJM75-S4 Parallel |
|---|---|---|---|
| Peak force | N | 417 | 810 |
| Continuous force | N | 139 | 270 |
| Motor constant at T_max | N/Sqrt(w) | 13.5 | 18.6 |
| Winding code | - | S2 | S4 |
| Peak current | Arms | 9 | 18 |
| Continuous current | Arms | 2.3 | 4.6 |
| Maximum continuous power dissipation | W | 105.8 | 211.5 |
| Resistance | Ω | 10 | 5 |
| Inductance | mH | 39 | 19.5 |
| Back EMF constant | Vpeak/(m/s), L-L | 49 | 47.5 |
| Force constant | N/Arms | 60.4 | 58.7 |
| Electrical time constant | ms | 3.9 | 3.9 |
| Max. DC bus voltage | V | 600 | 600 |
| Attraction force | kN | 0.65 | 1.3 |
| Magnetic period | mm | 20 | 20 |
| Weight of forcer | kg | 0.9 | 1.7 |
| Length of forcer | mm | 96 | 176 |
| Unit mass of stator | kg/m | 5 | 5 |
| Stator length | mm | 80/200/400 | |
| Insulation class | - | B | |
| Protection class | - | IP56 | |
| Operating temperature | °C | 0 to 60 | |
| Storage temperature | °C | -15 to 70 | |

Note:
1.Specifications are measured at an ambient temperature of 25°C and depend on the heat dissipation conditions.
2.Resistance is measured with DC current and includes a standard cable length of 0.5 m.
3.Inductance is measured at a frequency of 1 kHz.
4.Specifications are subject to change without prior notice.
5.Standard cable lengths: 0.5 m and 3 m. Custom lengths on request.

## Motor Assembly




| Forcer | Dimensional Variations | | | |
|---|---|---|---|---|
| | L | $L_1$ | $N_1$ | $N_2$ |
| TJM75-S2 | 24 | 96 | 2 | 3 |
| TJM75-S4 | 56 | 176 | 3 | 3 |

| Wiring Definition | Installation Instructions | Maintenance Instructions |
|---|---|---|
| | | |

| ITEM | DATE | MODIFIED | DESCRIPTION | APPD |
|---|---|---|---|---|
| | | | | |
| | | | | |
| | | | | |

TKL

| SCALE | UNIT | Model | TJM75-S2/S4 | | |
|---|---|---|---|---|---|
| 1:X | mm | Desc | Forcer unit | | |
| GENERAL TOLERANCE | | Surface | | DRN | Tang |
| Up to 6 / 6 to 30 / 30 to 120 / 120 to 300 / 300 to 600 | | DWG.NO | | CHK | Chen |
| ±0.1 / ±0.2 / ±0.3 / ±0.4 / ±0.5 | | Sheet | 1-1 | APPD | Le |

TKOOLLE MOTION CONTROL INTERNATIONAL CO.,LIMITED | DATE | 17-Jul-25