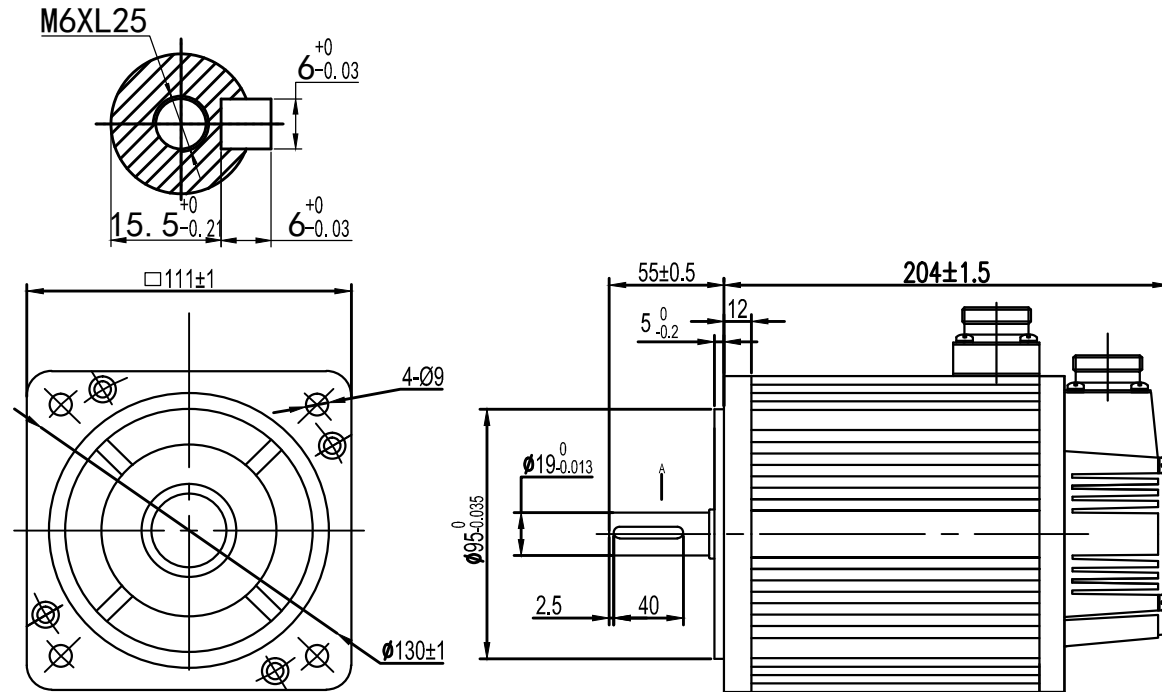


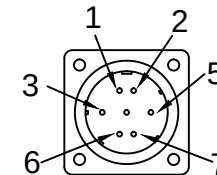
|                  |                     |                                     |
|------------------|---------------------|-------------------------------------|
| Rated voltage    | 200-220             | V AC                                |
| Rated power      | 1500                | W                                   |
| Rated torque     | 5                   | N.m                                 |
| Peak torque      | 15                  | N.m                                 |
| Rated speed      | 3000                | RPM                                 |
| Peak speed       | 4500                | RPM                                 |
| Rated current    | 6                   | A <sub>rms</sub>                    |
| Peak current     | 18                  | A <sub>rms</sub>                    |
| Torque Const     | 0.83                | N.m/A <sub>rms</sub>                |
| Back EMF Const   | 62                  | V/KRPM                              |
| Resistance       | 1.03                | Ω                                   |
| Inductance       | 3.43                | mH                                  |
| Inertia          | 6.3                 | kg m <sup>2</sup> ·10 <sup>-4</sup> |
| Poles            | 8                   |                                     |
| Encoder type     | 17bit multiple-turn |                                     |
| Protection level | IP54                |                                     |
|                  |                     |                                     |



#### Motor side connector

| connector     | winding connector | encoder connector | braker connector |
|---------------|-------------------|-------------------|------------------|
| Terminal      | YD28J4Z           | YD28J7Z           |                  |
| Plastic shell |                   |                   |                  |

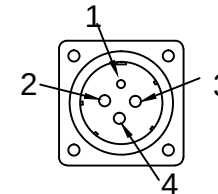
| wiring order of absolute encoder connector |    |    |    |     |     |      |      |
|--------------------------------------------|----|----|----|-----|-----|------|------|
| pos                                        | 1  | 2  | 3  | 4   | 5   | 6    | 7    |
| col                                        |    |    |    |     |     |      |      |
| sig                                        | PE | 5V | 0V | SD+ | SD- | BAT+ | BAT- |



#### Driver side connector

| connector     | winding connector | encoder connector | braker connector |
|---------------|-------------------|-------------------|------------------|
| Terminal      | LS-YDA28K4TS-01   | LS-YDA28K7TS-01   |                  |
| Plastic shell |                   |                   |                  |

| winding connection |    |   |   |   |
|--------------------|----|---|---|---|
| position           | 1  | 2 | 3 | 4 |
| colour             |    |   |   |   |
| signal             | PE | U | V | W |



| Leadshine technology              |         |  |
|-----------------------------------|---------|--|
| 110# 1500W servo motor            | version |  |
| 17-bit absolute encoder and brake | 1.0     |  |
| ELM1500EM-110F-H                  |         |  |