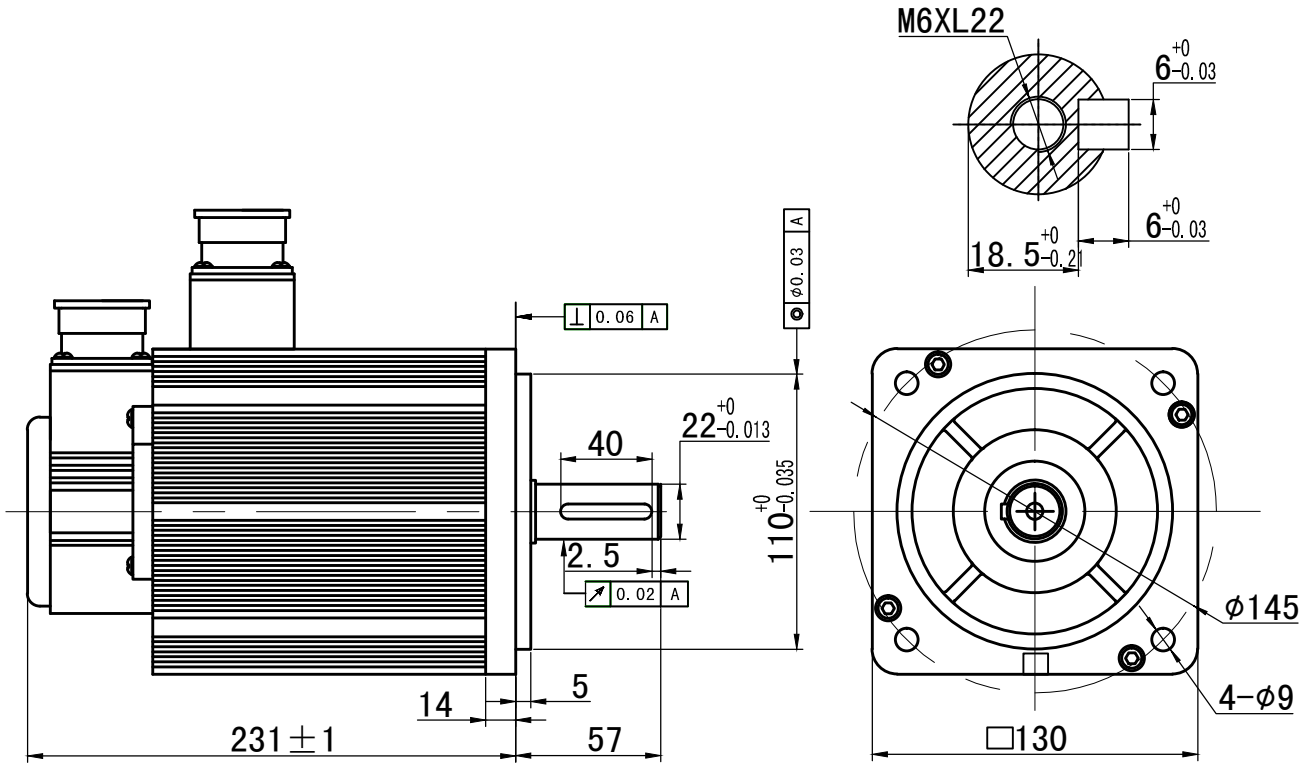
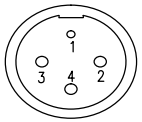
| | | |
|---|---|---|
| Rated voltage | 220 | V AC |
| Rated power | 3000 | W |
| Rated torque | 15 | N.m |
| Peak torque | 30 | N.m |
| Rated speed | 2500 | RPM |
| Max speed | 3000 | RPM |
| Rated current | 13.5 | $A_{rms}$ |
| peak current | 27 | $A_{rms}$ |
| Torque Const | 1.11 | N.m/AYms |
| Back EMF Const | 67 | V/KRPM |
| Resistance | 0.49 | Ω |
| Inductance | 1.68 | mH |
| Inertia | 27.7 | kg $m^2*10^{-4}$ |
| poles | 8 | |
| encoder type | 2500 incremental | |




## Motor side connector

| connector | winding connector | encoder connector | braker connector |
|---|---|---|---|
| male | YD28J4Z | YD28J15Z | |

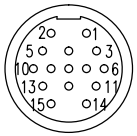
| winding connection | | | | |
|---|---|---|---|---|
| position | 1 | 2 | 3 | 4 |
| signal | PE | U | V | W |




## Driver side connector

| connector | winding connector | encoder connector | braker connector |
|---|---|---|---|
| female | YDA28K4TS-01 | YDA28K15TS-01 | |

| encoder connection | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| position | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| signal | PE | 5V | 0V | A+ | B+ | Z+ | A− | B− | Z− | U+ | V+ | W+ | U− | V− | W− |




Leadshine technology Co .Ltd

130mm ,3000W servo motor
2500 line incremental encoder

ELM3000BM-130F-H

A3