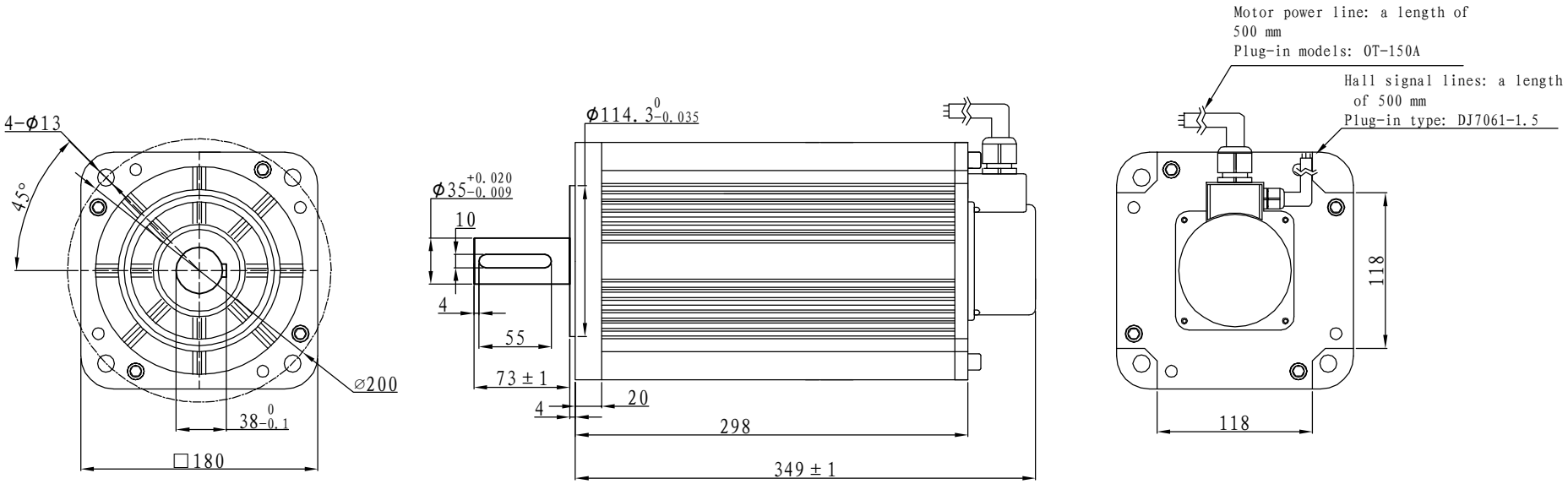
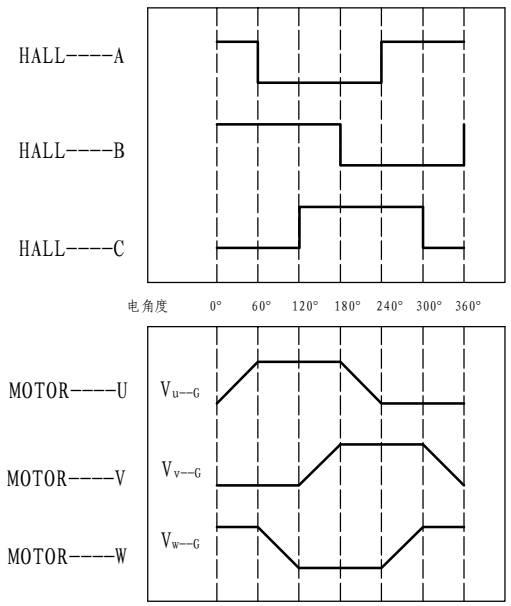
## Demension




### Motor to Hall Relationship




PHASE TO GROUND VOLTAGE
ROTATION CW FROM THE FLANGE

### Line Define

#### Power Wire

| | |
|---|---|
| Red | Motor U |
| Yellow | Motor V |
| Blue | Motor W |

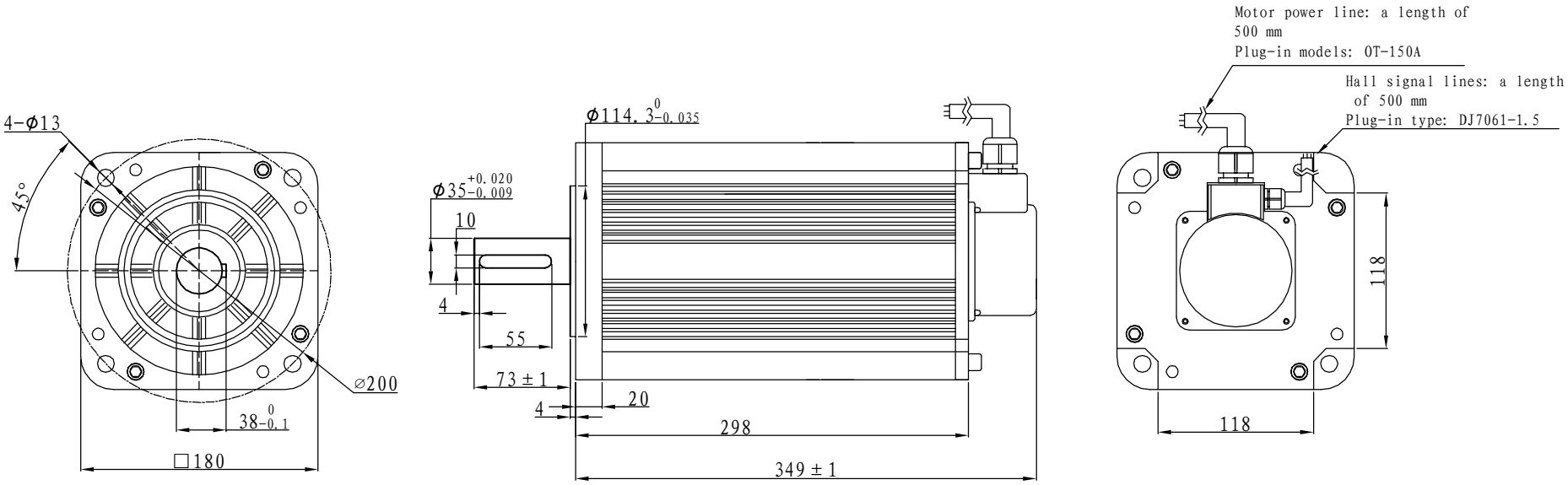
#### Feedback Wire

| Hall line colour | Hall signal definition | Plug serial number |
|---|---|---|
| Orange and black | 5V | 1 |
| Orange | 0V | 2 |
| Yellow | Hall A | 4 |
| Blue | Hall B | 5 |
| Green | Hall C | 6 |

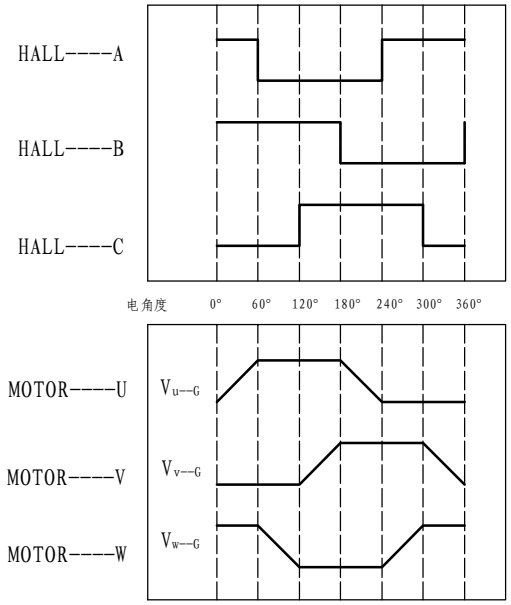
### Tecnichal Data

| | |
|---|---|
| Type | 180WD-M36020-48V |
| Power (KW) | 7.5 |
| Rated voltage (V) | 48 |
| Rated current (A) | 185 |
| Rated speed (rpm) | 2000 |
| Rated torque (NM) | 36 |
| Rotor inertia (Kgcm2) | 148 |
| Protection rank | IP65 |
| Insulation rank | F |
| Appropriate environment | Temperature: 0～50℃<br>Humidity: ＜90%<br>(No dewdrop) |
| Motor weight (KG) | 30 |

## Demension




### Motor to Hall Relationship




PHASE TO GROUND VOLTAGE
ROTATION CW FROM THE FLANGE

### Line Define

#### Power Wire

| | |
|---|---|
| Red | Motor U |
| Yellow | Motor V |
| Blue | Motor W |

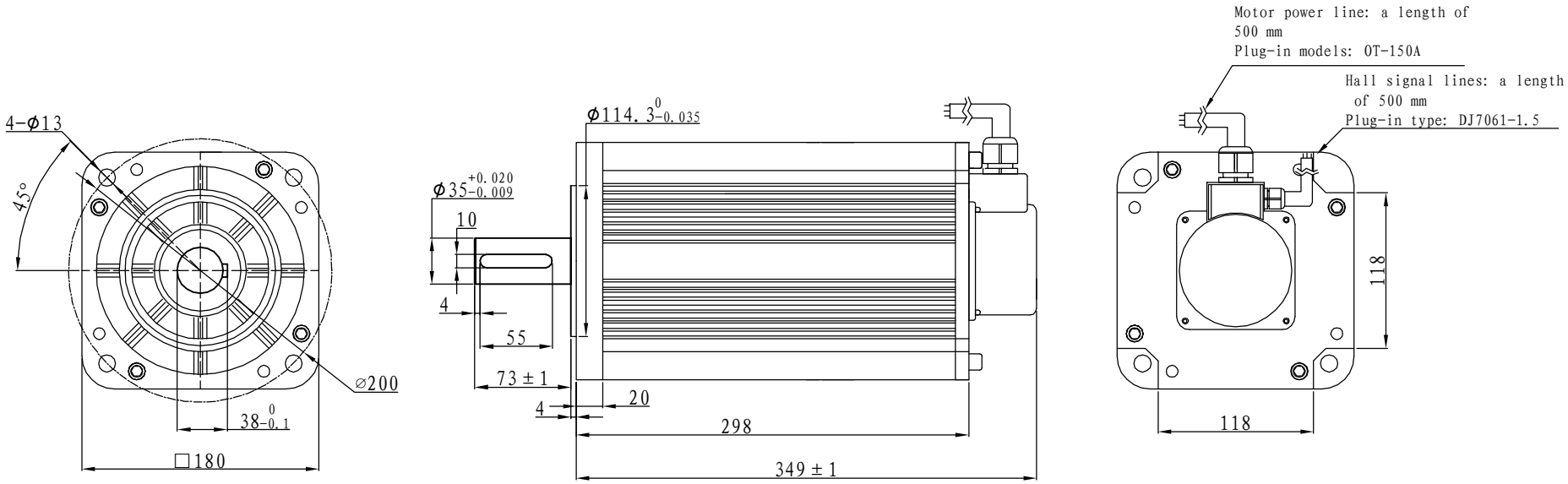
#### Feedback Wire

| Hall line colour | Hall signal definition | Plug serial number |
|---|---|---|
| Orange and black | 5V | 1 |
| Orange | 0V | 2 |
| Yellow | Hall A | 4 |
| Blue | Hall B | 5 |
| Green | Hall C | 6 |

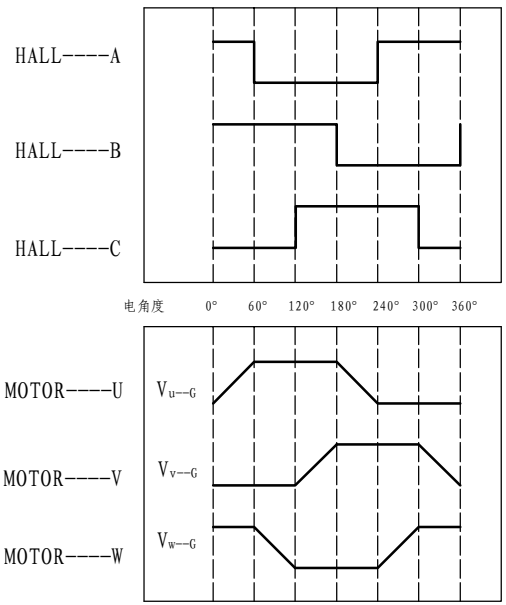
### Tecnichal Data

| | |
|---|---|
| Type | 180WD-M36020-72V |
| Power (KW) | 7.5 |
| Rated voltage (V) | 72 |
| Rated current (A) | 123 |
| Rated speed (rpm) | 2000 |
| Rated torque (NM) | 36 |
| Rotor inertia (Kgcm2) | 148 |
| Protection rank | IP65 |
| Insulation rank | F |
| Appropriate environment | Temperature: 0~50℃<br>Humidity: <90%<br>(No dewdrop) |
| Motor weight (KG) | 30 |

## Demension




### Motor to Hall Relationship




PHASE TO GROUND VOLTAGE
ROTATION CW FROM THE FLANGE

### Line Define

#### Power Wire

| | |
|---|---|
| Red | Motor U |
| Yellow | Motor V |
| Blue | Motor W |

#### Feedback Wire

| Hall line colour | Hall signal definition | Plug serial number |
|---|---|---|
| Orange and black | 5V | 1 |
| Orange | 0V | 2 |
| Yellow | Hall A | 4 |
| Blue | Hall B | 5 |
| Green | Hall C | 6 |

### Tecnichal Data

| | |
|---|---|
| Type | 180WD-M36020-96V |
| Power (KW) | 7.5 |
| Rated voltage (V) | 96 |
| Rated current (A) | 92 |
| Rated speed (rpm) | 2000 |
| Rated torque (NM) | 36 |
| Rotor inertia (Kgcm2) | 148 |
| Protection rank | IP65 |
| Insulation rank | F |
| Appropriate environment | Temperature: 0~50℃<br>Humidity: <90%<br>(No dewdrop) |
| Motor weight (KG) | 30 |