arcoz

Elfin - 15
Collaborative Robot

Model	E15
Weight	60kg
Payload	15kg
Reach	1300mm
Joint rangel	±360°
Tool speed	2m/s
Repeatability	±0.03mm

Basic Parameters

| Model	E15
Power consumption	600W typical application
Joint speed	J1-J2 80°/s • J3-J4 120°/s • J5-J6 150°/s
Degree of freedom	6
End I/O port	Digital input: 3, digital output: 3, analog input: 2
Control box I/O port	Digital input: 16, digital output: 16, analog input: 2, analog output: 2
I/O Source	24V 2A
Communication	TCP/IP and Modbus
Programming	Graphical programming, remote call interface
IP classification	IP54
Collaborative operation	10 advanced security configuration functions
Main material	Aluminum alloy
Working temperature	0-50°C
Power input	200-240V AC, 50-60Hz
Cable	Cable to the control box: 5m; cable to the teach pendant: 5m

Elfin 15 Size specification
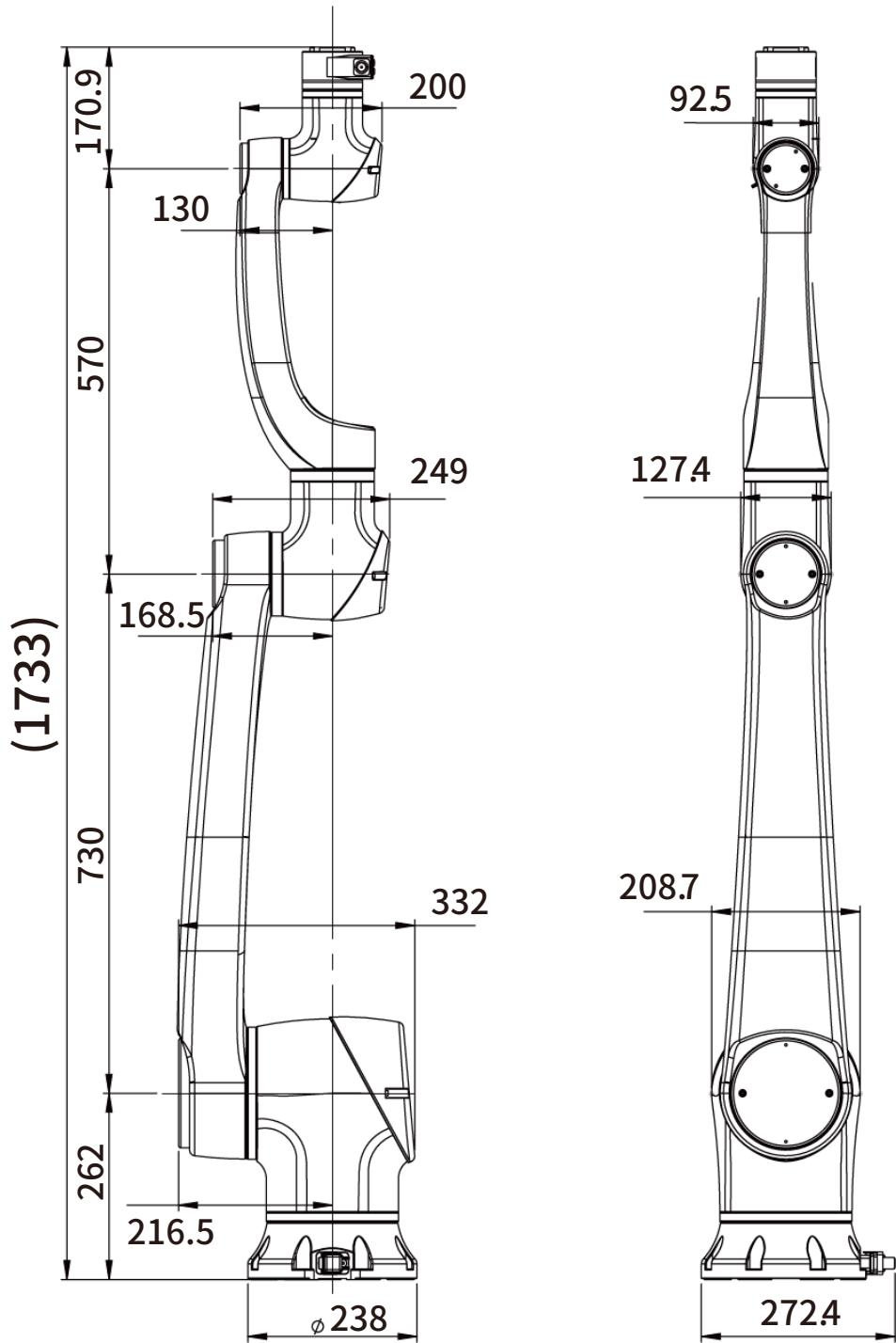
Elfin 15 Installation size

22.5°

8-∅9通（均布）

∅238

∅215

∅4 +0.03/+0.01 ⩔6

3

4 +0.03/+0.01 ⩔6

107.5 ±0.02   107.5

Base installation size

∅50

22.5°

8均布中7-M6⩔7

∅6 +0.012/0 ⩔6

22.5°

∅31.50 H7 (+)

6

C1

∅63 h7 (0/-0.030)

6
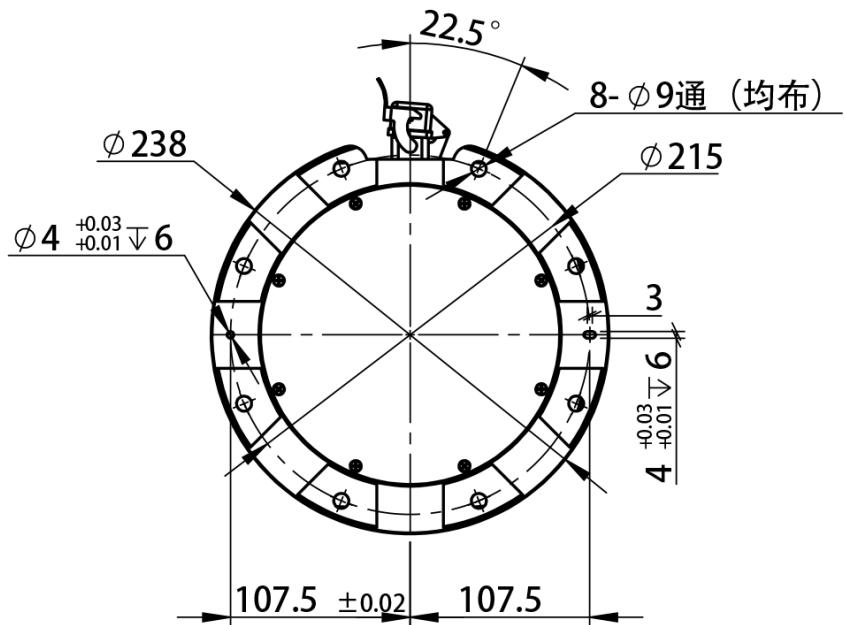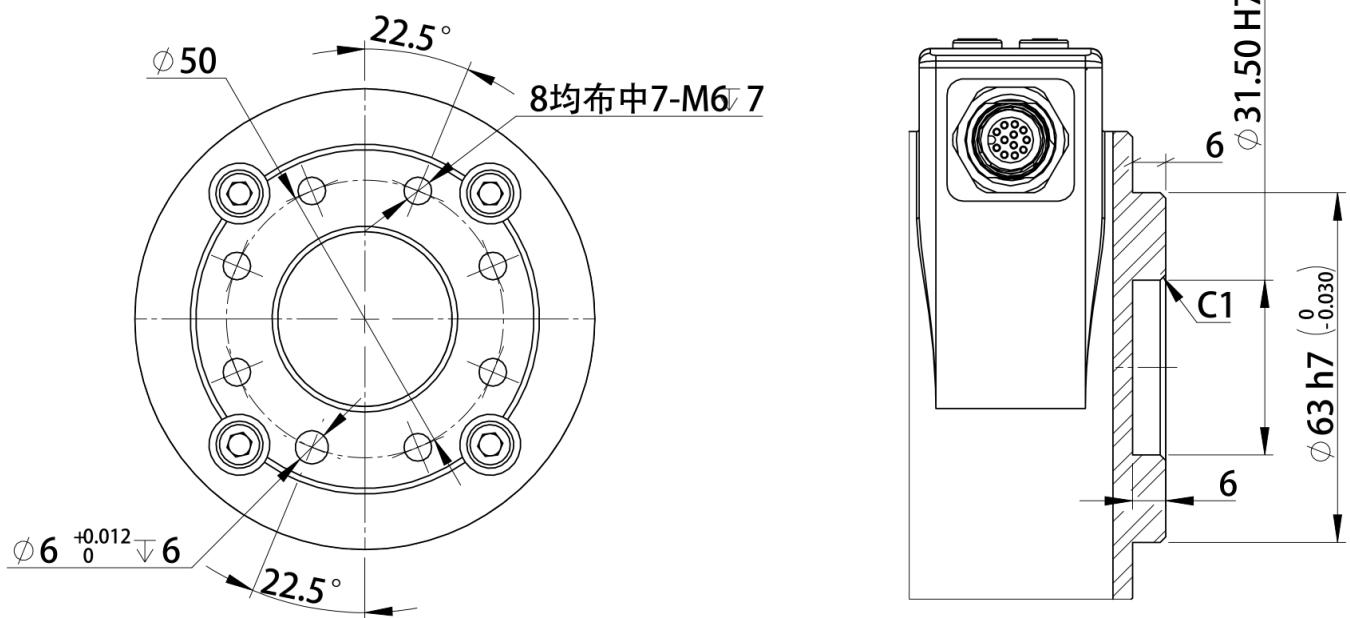
End installation size

Control box

Control box standard

Dimensions	445.2mm x 318.8mm x (360+176)mm
Stand height	176mm
Weight	18.5kg
Power output	48V DC
Working temperature	0~50ºC
Working Humidity	90% relative humidity (non-condensing)
IP classification	IP20

Mini Control Box (Optional)

Dimensions	323×221×80(mm)
Power Input	DC30~60V
I/O Source	DC24V
I/O Port	Inputs 8 , Outputs 8
IP Classification	IP20
Communication	TCP/IP Modbus