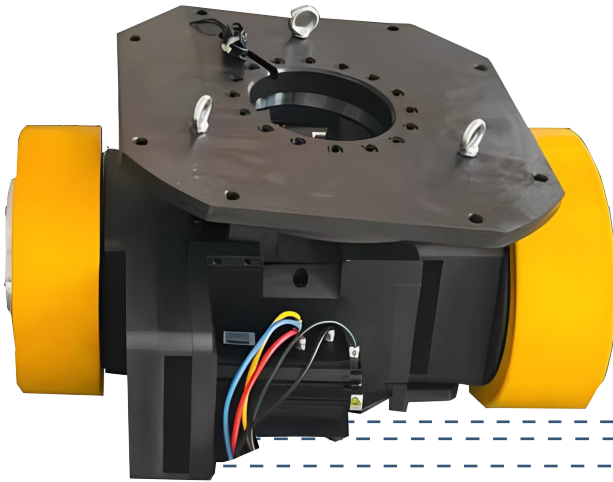


| DIFFERENTIAL DRIVE WHEEL SET

ATOMBOTIX



- **Rated Voltage:** 24/48V
- **Encoder:**
Supports Incremental
Absolute/Safety
- **Communication Method:**
CAN(EtherCAT/RS485 Optional)
- **Applicable Scenarios:**
Forklift Stacker, Pallet Truck,
Lifting AMR/AGV,
Platform AMR/AGV, Heavy Duty AGV,
Elevated Work Platform, etc.



Integrated driving, Steering, Braking & Encoder assembly, built for robots.



Flexible Kinematic Design, Supports multiple kinematic mode.



Servo System, Closed loop control with mm level accuracy.

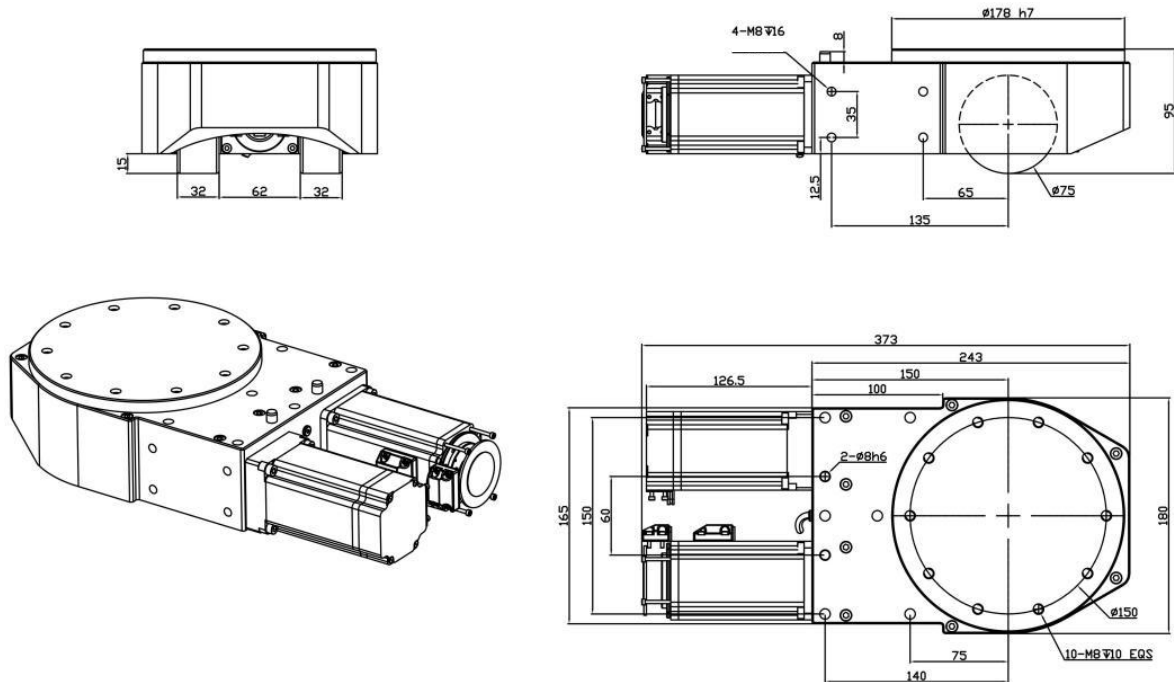


Modular Design, Easy maintenance & debugging.

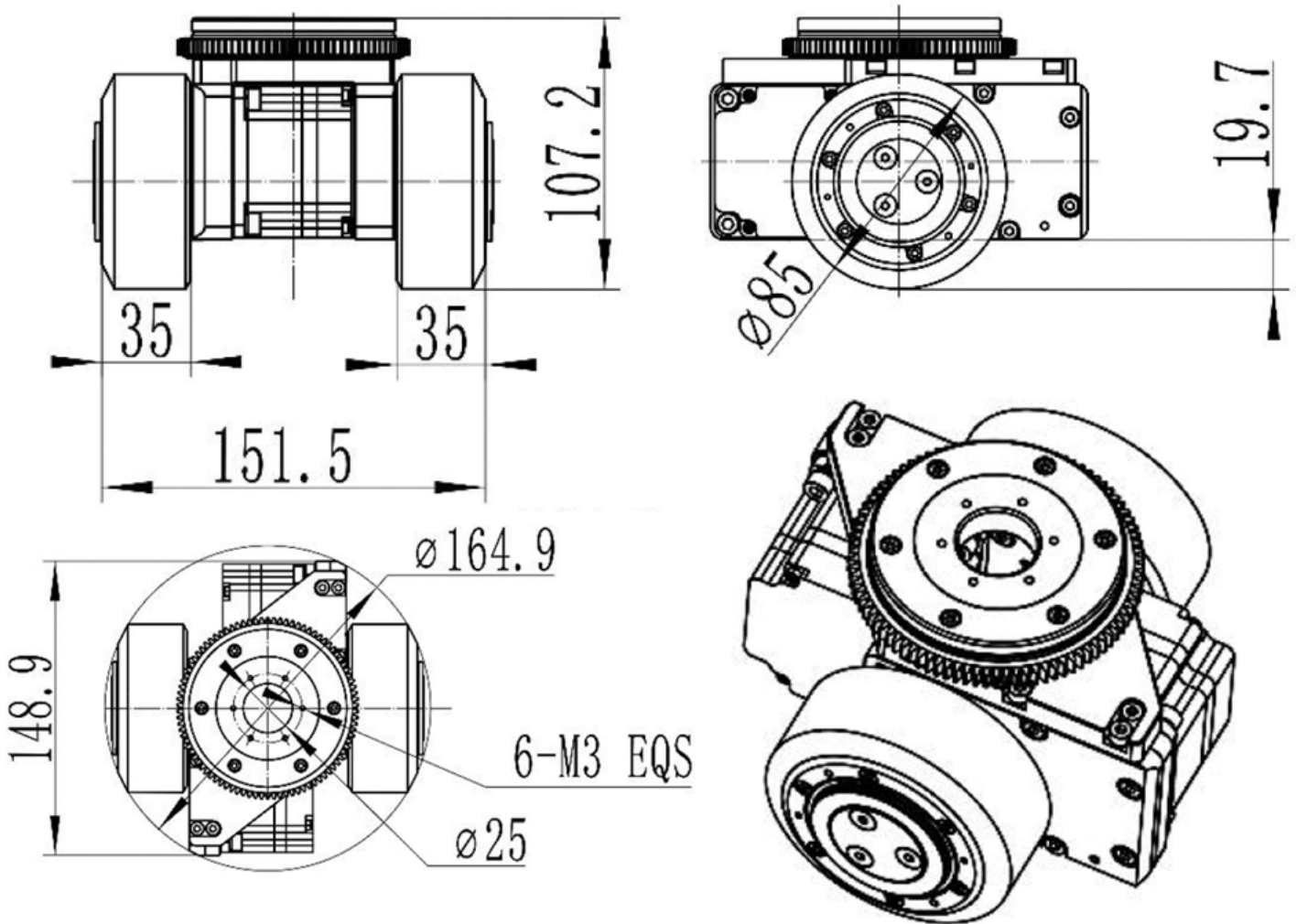


Flexible Customization, Application specific optimization.

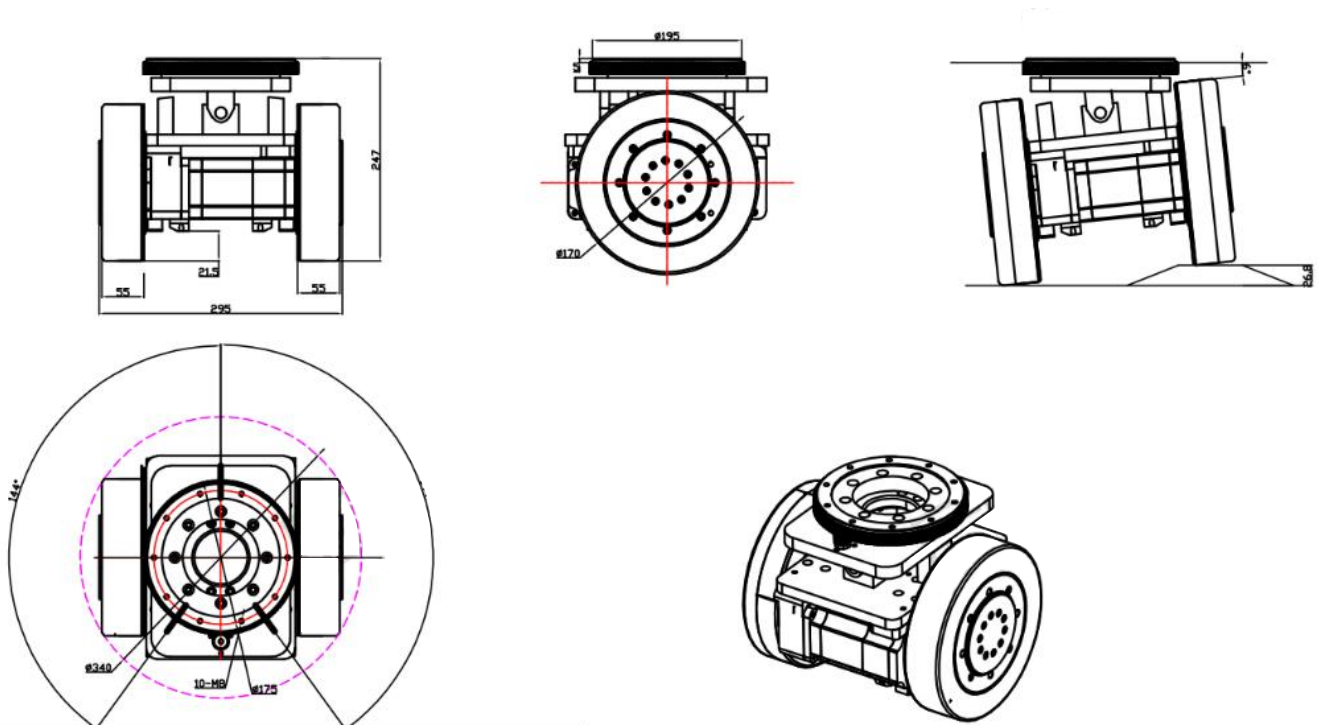
Model	Specification				Drive Motor	
	Voltage	Payload	Wheel Diameter	Height	Power	Nominal Torque
AB-DDS-D75-P0.4-C400	48 V	400 kg	75 mm	95 mm	0.4 kW	6.477
AB-DDS-D85-P0.2-C450	48 V	450 kg	85 mm	107.2 mm	0.2 kW	4.08
AB-DDS-D170-P0.75-C1000	48 V	1000 kg	170 mm	247 mm	0.75 kW	48.552
AB-DDS-D205-P0.75-C1000	48 V	1000 kg	205 mm	264.5 mm	0.75 kW	64.736
AB-DDS-D210-P1.5-C2000	48 V	2000 kg	210 mm	260 mm	1.5 kW	97.308
AB-DDS-D240-P1.5-C2000	48 V	2000 kg	240 mm	265 mm	1.5 kW	97.92
AB-DDS-D300-P3.0-C3000	48 V	3000 kg	300 mm	382.5 mm	3.0 kW	323
AB-DDS-D300-P2.0-C6000	48 V	6000 kg	300 mm	354.5 mm	2.0 kW	299.2
AB-DDS-D400-P3.0-C10000	48 V	10000 kg	400 mm	482 mm	3.0 kW	972.4
AB-DDS-D500-P4.2-C16000	48 V	16000 kg	500 mm	559 mm	4.2 kW	1836



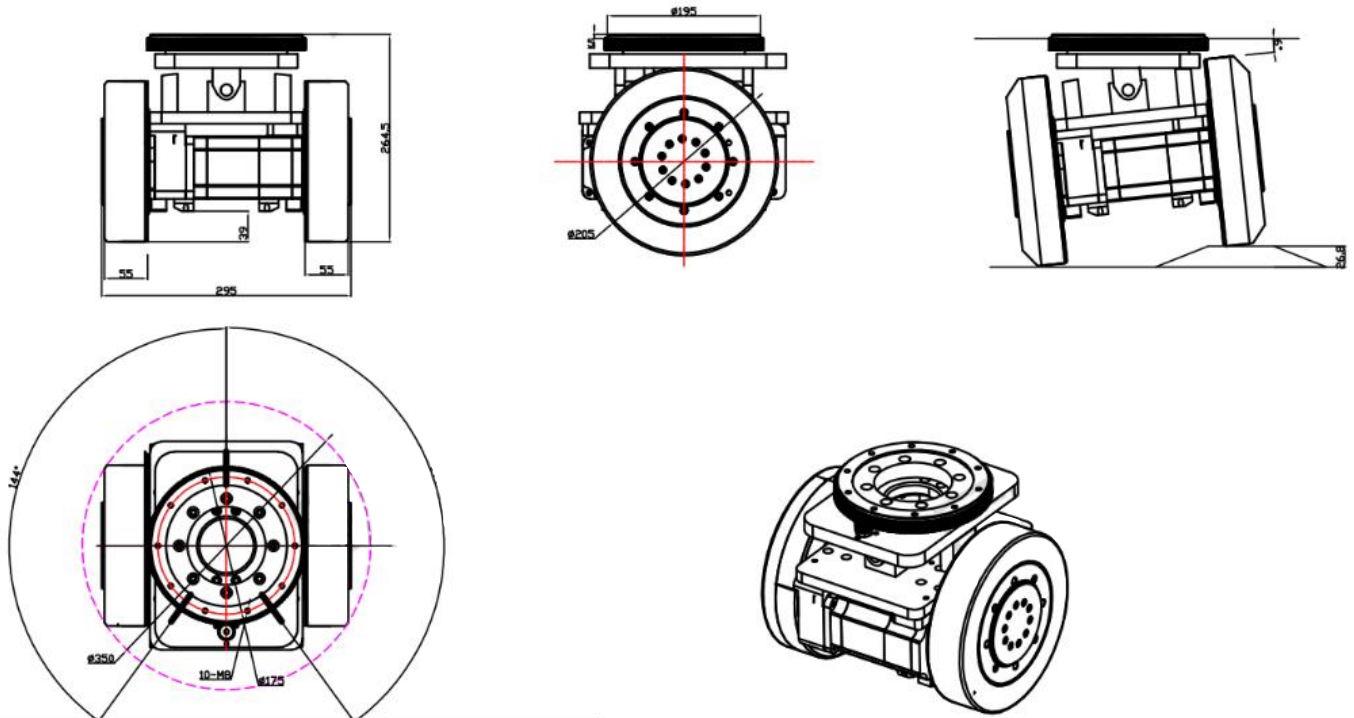
Model	AB-DDS-D75-P0.4-C400
Drive Motor	
Wheel Diameter	75 mm
Height	95 mm
Working Voltage	48 V
Rated Power	0.4 kW
Gear Ratio	6
Nominal Torque	1.27 N·m
RPM	3000
Specification	
Drive Motor Encoder	Incremental Encoder(2500 lines)
Max. Angle Limit	360°
Steering Motor Encoder	Rotary Absolute Encoder
Max. Payload	400 kg



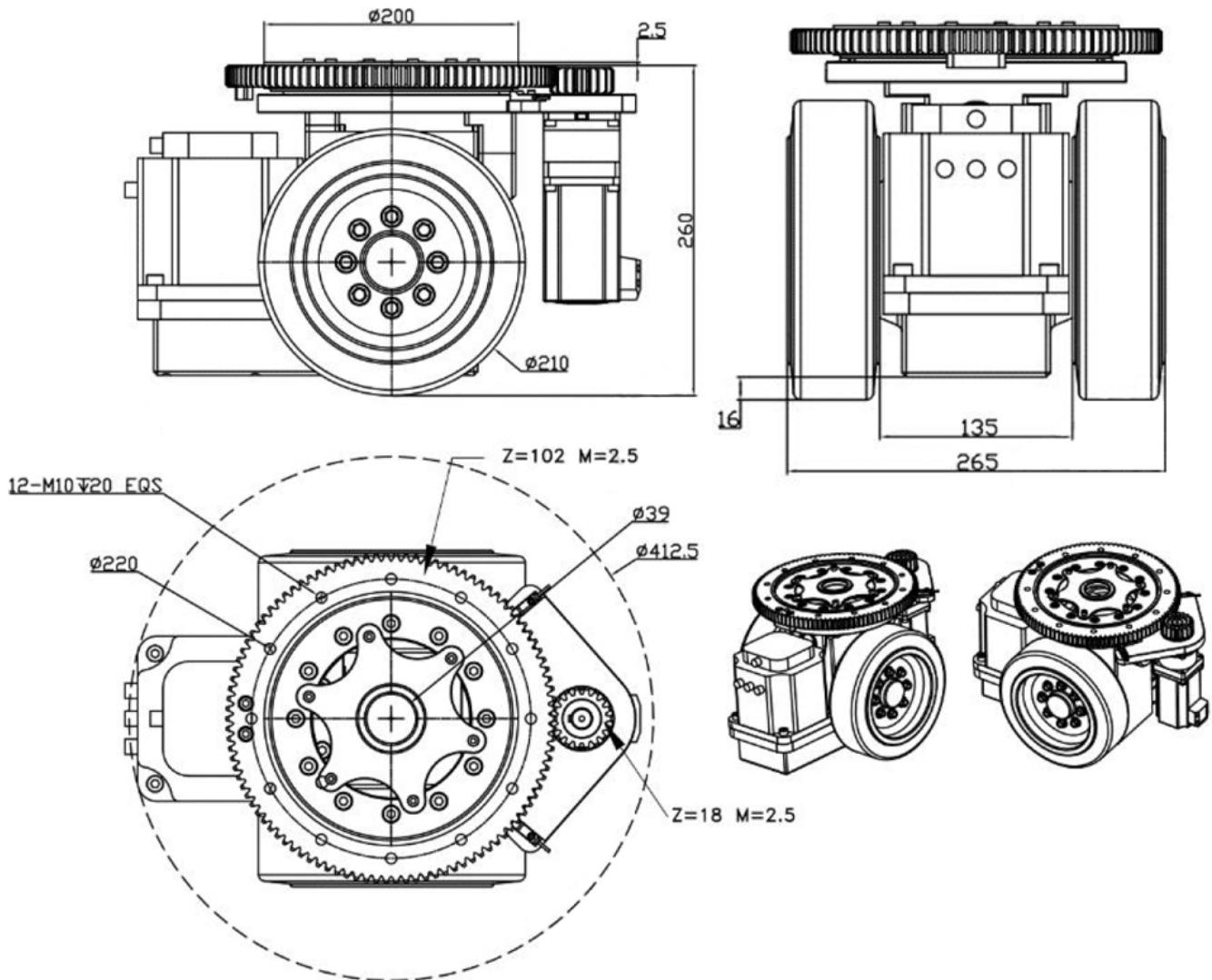
Model	AB-DDS-D85-P0.2-C450
Drive Motor	
Wheel Diameter	85 mm
Height	107.2 mm
Working Voltage	48 V
Rated Power	0.2 kW
Gear Ratio	8
Nominal Torque	0.6 N·m
RPM	3000
Specification	
Drive Motor Encoder	Incremental Encoder(2500 lines)
Max. Angle Limit	±180°
Steering Motor Encoder	Rotary Encoder
Max. Payload	450 kg



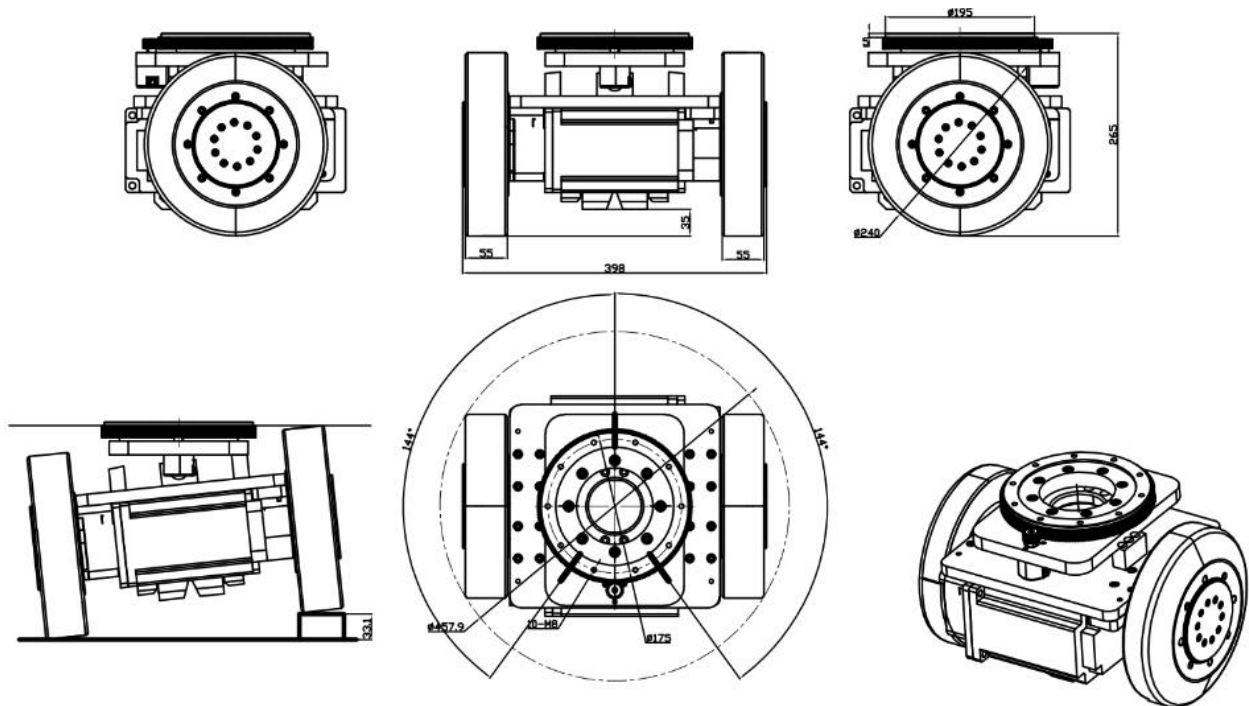
Model	AB-DDS-D170-P0.75-C1000
Drive motor	
Wheel Diameter	170 mm
Height	247 mm
Working Voltage	48 V
Rated Power	0.75 kW
Gear Ratio	24
Nominal Torque	2.38 N·m
RPM	3000
Specification	
Drive Motor Encoder	Incremental Encoder(2500 lines)
Max. Angle Limit	±144°
Steering Motor Encoder	Rotary Encoder
Max. Payload	1000 kg



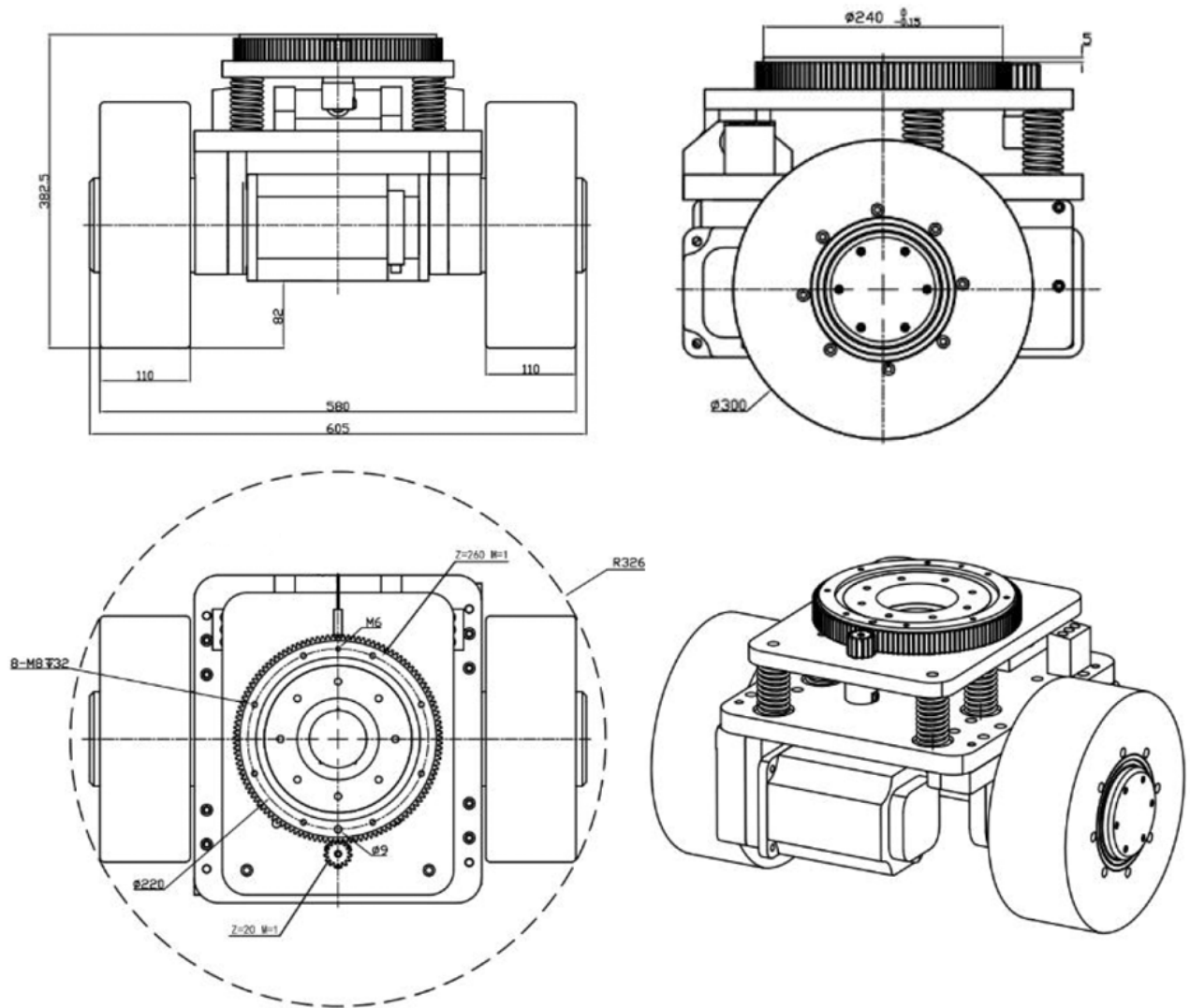
Model	AB-DDS-D205-P0.75-C1000
Drive Motor	
Wheel Diameter	205 mm
Height	264.5 mm
Working Voltage	48 V
Rated Power	0.75 kW
Gear Ratio	32
Nominal Torque	2.38 N·m
RPM	3000
Specification	
Drive Motor Encoder	Incremental Encoder(2500 lines)
Max. Angle Limit	±144°
Steering Motor Encoder	Rotary Encoder
Max. Payload	1000 kg



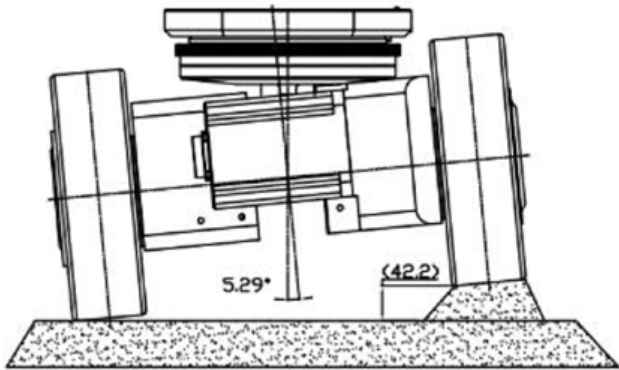
Model	AB-DDS-D210-P1.5-C2000
Drive Motor	
Wheel Diameter	210 mm
Height	260 mm
Working Voltage	48 V
Rated Power	1.5 kW
Gear Ratio	24
Nominal Torque	4.77 N·m
RPM	3000
Specification	
Drive Motor Encoder	Incremental Encoder(2500 lines)
Max. Angle Limit	±120°
Steering Motor Encoder	Rotary Encoder
Max. Payload	2000 kg



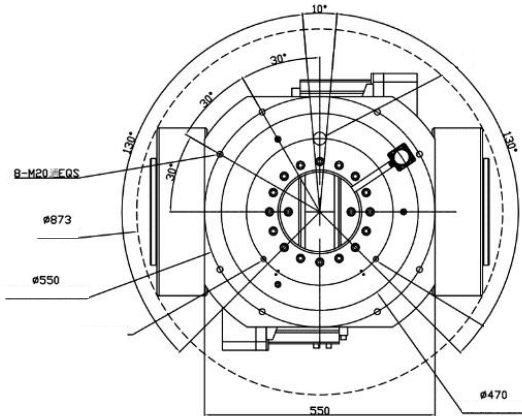
Model	AB-DDS-D240-P1.5-C2000
Drive Motor	
Wheel Diameter	240 mm
Height	265 mm
Working Voltage	48 V
Rated Power	1.5 kW
Gear Ratio	24
Nominal Torque	4.8 N·m
RPM	3000
Specification	
Drive Motor Encoder	Incremental Encoder(2500 lines)
Max. Angle Limit	±144°
Steering Motor Encoder	Rotary Encoder
Max. Payload	2000 kg



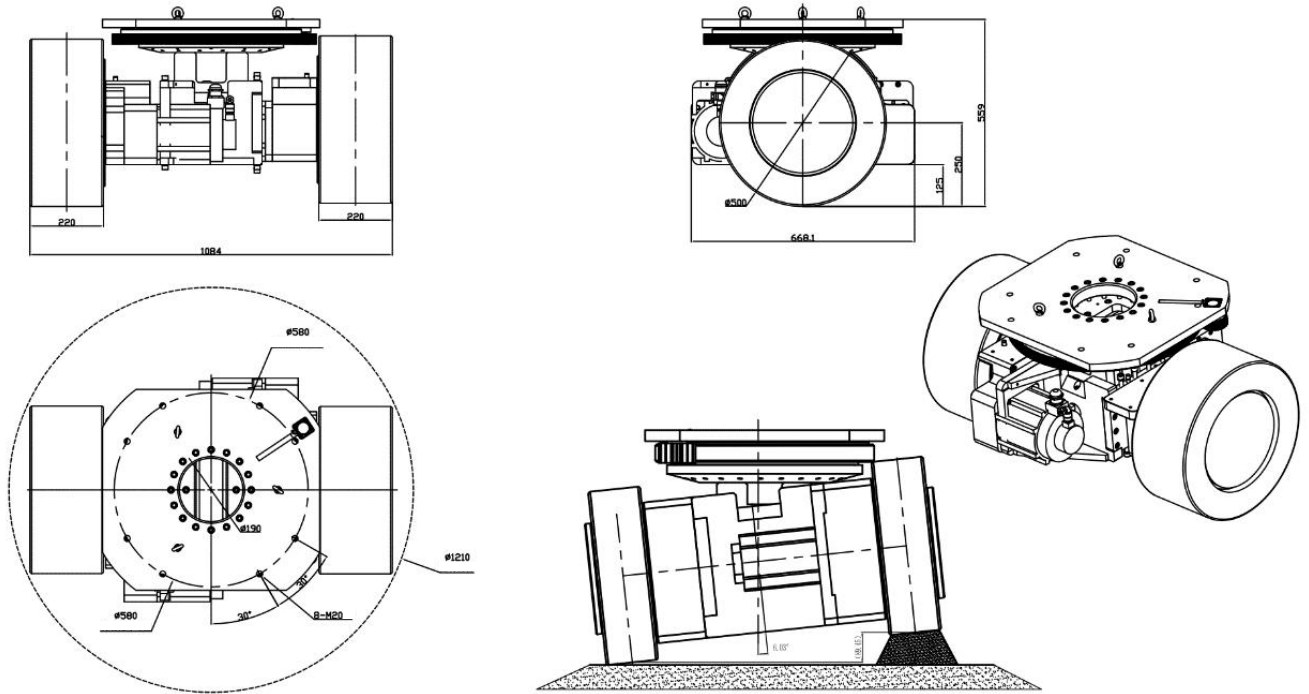
Model	AB-DDS-D300-P3.0-C3000
Drive Motor	
Wheel Diameter	300 mm
Height	382.5 mm
Working Voltage	48 V
Rated Power	3.0 kW
Gear Ratio	40
Nominal Torque	9.5 N·m
RPM	3000
Specification	
Drive Motor Encoder	Incremental Encoder(2500 lines)
Max. Angle Limit	±144°
Steering Motor Encoder	Rotary Encoder
Max. Payload	3000 kg



www.atombotix.com



Model	AB-DDS-D400-P3.0-C10000
Drive Motor	
Wheel Diameter	400 mm
Height	482 mm
Working Voltage	48 V
Rated Power	3.0 kW
Gear Ratio	80
Nominal Torque	14.3 N·m
RPM	2000
Specification	
Drive Motor Encoder	Incremental Encoder(2500 lines)
Max. Angle Limit	±130°
Steering Motor Encoder	Rotary Encoder
Max. Payload	10000 kg



Model	AB-DDS-D500-P4.2-C16000
Drive Motor	
Wheel Diameter	500 mm
Height	559 mm
Working Voltage	48 V
Rated Power	4.2 kW
Gear Ratio	80
Nominal Torque	27 N·m
RPM	1500
Specification	
Drive Motor Encoder	Incremental Encoder(2500 lines)
Max. Angle Limit	±130°
Steering Motor Encoder	Rotary Encoder
Max. Payload	16000 kg

