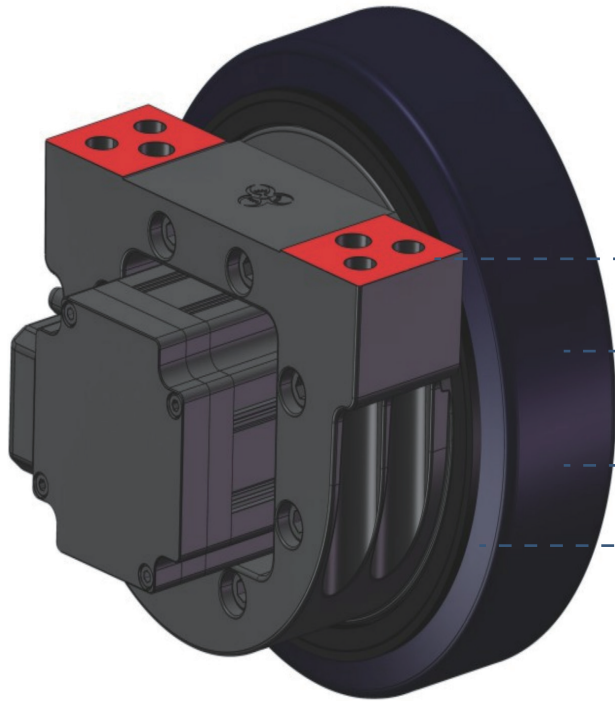




• **Rated Voltage:** 24/48V

• **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.

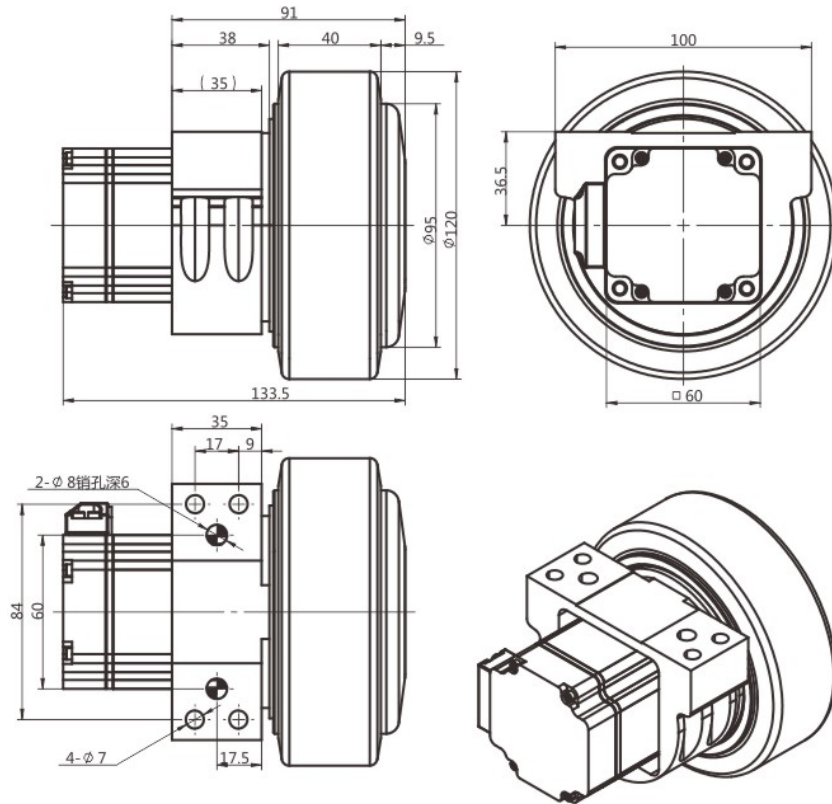
	Specification			Driver Motor				Reducer
Typical Model	Payload (2 sets) (kg)	Wheel Diameter (mm)	Speed (m/s)	Voltage (V)	Motor Power (W)	Motor Speed (RPM)	Torque (N·m)	Ratio
AB-DW-D120-P0.4-C800	800	120	1.15±0.01	48	400	3000	1.27	16
AB-DW-D140-P0.4-C700	700	140	1.35±0.01	48	400	3000	1.27	16
AB-DW-D150-P0.4-C650	650	150	1.45±0.01	48	400	3000	1.27	16
AB-DW-D150-P0.75-C1200	1200	150	1.45±0.01	48	750	3000	2.39	16
AB-DW-D160-P0.4-C600	600	160	1.55±0.01	48	400	3000	1.27	16
AB-DW-D160-P0.75-C1100	1100	160	1.55±0.01	48	750	3000	2.39	16
AB-DW-D180-P0.4-C500	500	180	1.75±0.01	48	400	3000	1.27	16
AB-DW-D180-P0.75-C1000	1000	180	1.75±0.01	48	750	3000	2.39	16
AB-DW-D200-P0.4-C450	450	200	1.95±0.01	48	400	3000	1.27	16
AB-DW-D200-P0.75-C900	900	200	1.95±0.01	48	750	3000	2.39	16
AB-DW-D220-P1.5-C1500	1500	220	2.15±0.01	48	1500	3000	4.77	16
AB-DW-D250-P1.5-C1500	1500	250	2.45±0.01	48	1500	3000	4.77	16

Note1: Reducer Ratio: 16/20/25/28/35/40/50/70, customied

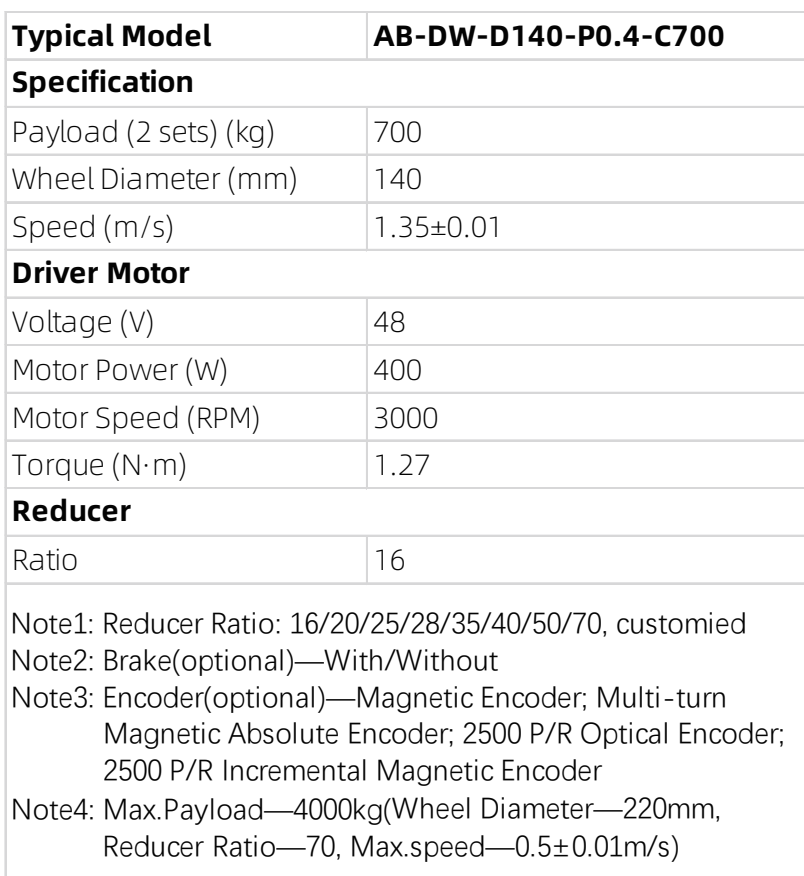
Note2: Brake(optional)—With/Without

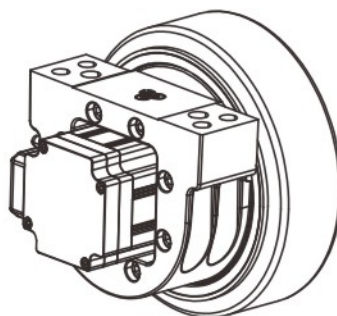
Note3: Encoder(optional)—Magnetic Encoder; Multi-turn Magnetic Absolute Encoder; 2500 P/R Optical Encoder; 2500 P/R Incremental Magnetic Encoder

Note4: Max.Payload—4000kg(Wheel Diameter—220mm, Reducer Ratio—70, Max.speed—0.5±0.01m/s)



Typical Model	AB-DW-D120-P0.4-C800
Specification	
Payload (2 sets) (kg)	800
Wheel Diameter (mm)	120
Speed (m/s)	1.15±0.01
Driver Motor	
Voltage (V)	48
Motor Power (W)	400
Motor Speed (RPM)	3000
Torque (N·m)	1.27
Reducer	
Ratio	16
Note1: Reducer Ratio: 16/20/25/28/35/40/50/70, customied Note2: Brake(optional)—With/Without Note3: Encoder(optional)—Magnetic Encoder; Multi-turn Magnetic Absolute Encoder; 2500 P/R Optical Encoder; 2500 P/RIncremental Magnetic Encoder Note4: Max.Payload—4000kg(Wheel Diameter—220mm, Reducer Ratio—70, Max.speed—0.5±0.01m/s)	





Typical Model	AB-DW-D150-P0.4-C650
Specification	
Payload (2 sets) (kg)	650
Wheel Diameter (mm)	150
Speed (m/s)	1.45±0.01
Driver Motor	
Voltage (V)	48
Motor Power (W)	400
Motor Speed (RPM)	3000
Torque (N·m)	1.27
Reducer	
Ratio	16
Note1: Reducer Ratio: 16/20/25/28/35/40/50/70, customied	
Note2: Brake(optional)—With/Without	
Note3: Encoder(optional)—Magnetic Encoder; Multi-turn Magnetic Absolute Encoder; 2500 P/R Optical Encoder; 2500 P/R Incremental Magnetic Encoder	
Note4: Max.Payload—4000kg(Wheel Diameter—220mm, Reducer Ratio—70, Max.speed—0.5±0.01m/s)	

www.atombotix.com



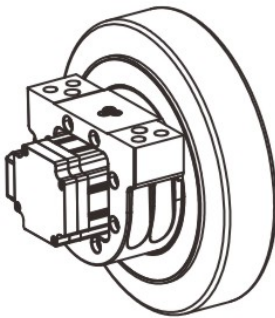
●



●



●

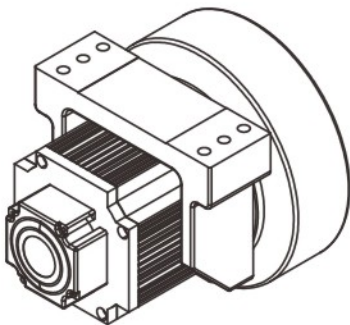


Note1: Reducer Ratio: 16/20/25/28/35/40/50/70, customied
 Note2: Brake(optional)—With/Without
 Note3: Encoder(optional)—Magnetic Encoder; Multi-turn
 Magnetic Absolute Encoder; 2500 P/R Optical Encoder;
 2500 P/R Incremental Magnetic Encoder
 Note4: Max.Payload—4000kg(Wheel Diameter—220mm,
 Reducer Ratio—70, Max.speed— 0.5 ± 0.01 m/s)

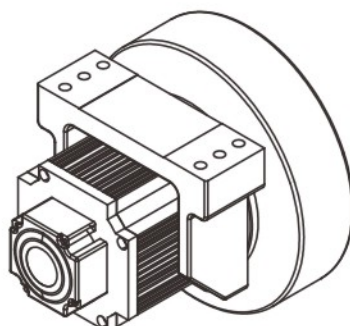


●

Note1: Reducer Ratio: 16/20/25/28/35/40/50/70, customied
 Note2: Brake(optional)—With/Without
 Note3: Encoder(optional)—Magnetic Encoder; Multi-turn
 Magnetic Absolute Encoder; 2500 P/R Optical Encoder;
 2500 P/R Incremental Magnetic Encoder
 Note4: Max.Payload—4000kg(Wheel Diameter—220mm,
 Reducer Ratio—70, Max.speed— 0.5 ± 0.01 m/s)



Note1: Reducer Ratio: 16/20/25/28/35/40/50/70, customised
 Note2: Brake(optional)—With/Without
 Note3: Encoder(optional)—Magnetic Encoder; Multi-turn
 Magnetic Absolute Encoder; 2500 P/R Optical Encoder;
 2500 P/R Incremental Magnetic Encoder
 Note4: Max.Payload—4000kg(Wheel Diameter—220mm,
 Reducer Ratio—70, Max.speed— 0.5 ± 0.01 m/s)



Typical Model	AB-DW-D250-P1.5-C1500
Specification	
Payload (2 sets) (kg)	1500
Wheel Diameter (mm)	250
Speed (m/s)	2.45±0.01
Driver Motor	
Voltage (V)	48
Motor Power (W)	1500
Motor Speed (RPM)	3000
Torque (N·m)	4.77
Reducer	
Ratio	16
Note1: Reducer Ratio: 16/20/25/28/35/40/50/70, customied	
Note2: Brake(optional)—With/Without	
Note3: Encoder(optional)—Magnetic Encoder; Multi-turn Magnetic Absolute Encoder; 2500 P/R Optical Encoder; 2500 P/R Incremental Magnetic Encoder	
Note4: Max.Payload—4000kg(Wheel Diameter—220mm, Reducer Ratio—70, Max.speed—0.5±0.01m/s)	

