

# Standard Specifications

## E35 Controller (KJ125/155)

22-Oct-20

Kawasaki Heavy Industries, Ltd.  
Robot Business Division

Specification number : 90152-0089DEA

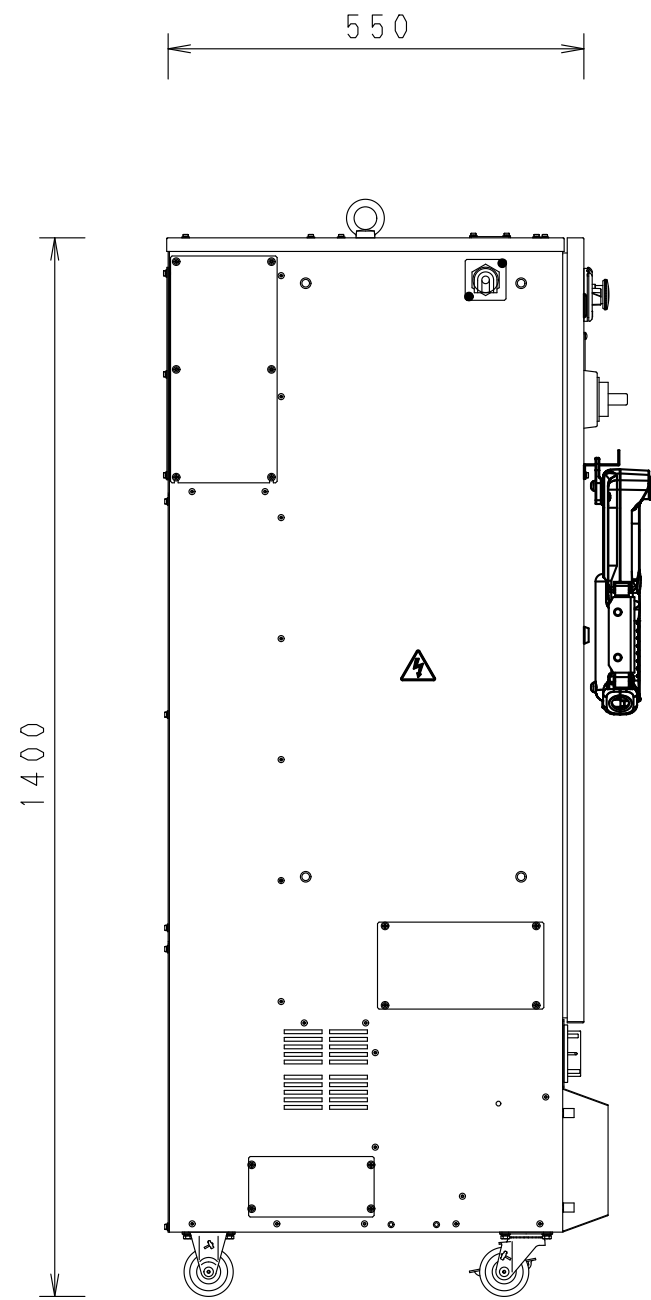
## Controller specifications

|  |  |
|--|--|
| 1. Model<br>(Robot type)   | E35  |
|  | KJ125/155  |
| 2. Dimensions  | W500 (+150) ×D550×H1400mm  |
| 3. Structure   | Enclosed structure: Indirect cooling system  |
| 4. Controlled axes   | Std. 6 axes (Option: Built-in up to 9 axes)  |
| 5. Memory capacity   | 8MB  |
| 6. I/O signals   | External operation sig.: Ext. Emergency Stop, Ext. HOLD signal etc.  |
|  | General-purpose I/O sig.: GPIO board (Input 32/Output 32)<br>NPN(Sink) type or PNP(Source) type                                |
| 7. Cable length<br>* Total length: Max. 40m<br>** Total length: Max. 30m | Robot-controller (non hazardous): 3m (Opt.5/7/10/15/20/25/30m)*  |
|  | Robot-controller (hazardous): 3m (Opt.1/5/7/10/15m)*   |
|  | Teach pendant: 10m (Opt.3/5/15/20/25/30m)**  |
| 8. Mass  | 170kg  |
| 9. Power requirement   | AC440-AC480V±10%, 60Hz, 3 phases   |
|  | Max. 7.3kVA  |
| 10. Ground   | PE (dedicated for robot)   |
|  | Leakage current: max. 10 mA  |
| 11. Installation environment   | Ambient temperature : 0 - 45°C   |
|  | Relative humidity : 35 - 85 % (non-condensation)   |
| 12. Ex. Light Weight Teach Pendant                                       | Intrinsically safe construction, Color LCD with touch panel<br>Emergency Stop SW, Teach Lock SW and Enable SW                  |
| 13. Operation panel  | Emergency Stop SW, Teach/Repeat SW, Control power lamp   |
| 14. External interface   | Ethernet (100BASE-TX/10BASE-T) , USB, RS-232C: each 2port<br>(1port on panel, 1port inside controller)                         |
| 15. Type of control  | Teach mode: Joint, Base, Tool, Fixed Tool operation mode   |
|  | Repeat mode: Joint, Linear, Circular interpolation mode  |
| 16. Teaching method  | Easy operation teaching or AS language programming   |
| 17. Color  | Munsell: 10GY9/1 equivalent  |
| 18. Options  |  |
| Additional GPIO  | GPIO board (Input 32/Output 32) Max. 128<br>NPN(sink) type or PNP(source) type   |
| I/O signal connector   | D-SUB 37 pin (male, female) with cover   |
| Teach pendant option   | Cable hook, connector for TP less  |
| Teach pendant<br>Connector Box   | non hazardous area: 1/3/5/7/10/15m   |
|  | hazardous area: 1/3/5/7/10/15m   |
| Operation panel option   | Motor Power ON, Cycle start, RUN/HOLD, Error reset, Error lamp,<br>Remote/Local SW   |
| Auxiliary storage  | USB memory   |
| AC Outlet  | AC110 - 120V Outlet (depends on Primary input voltage)   |
| PC cable (RS-232C)   | 1.5m, 3m   |
| Motor brake release  | Manual brake release switch  |
| Others   | Cabinet light, GP Field BUS, Software PLC, Analog input/output,<br>Conveyor Synchronization, Paint Equipment Control and so on |

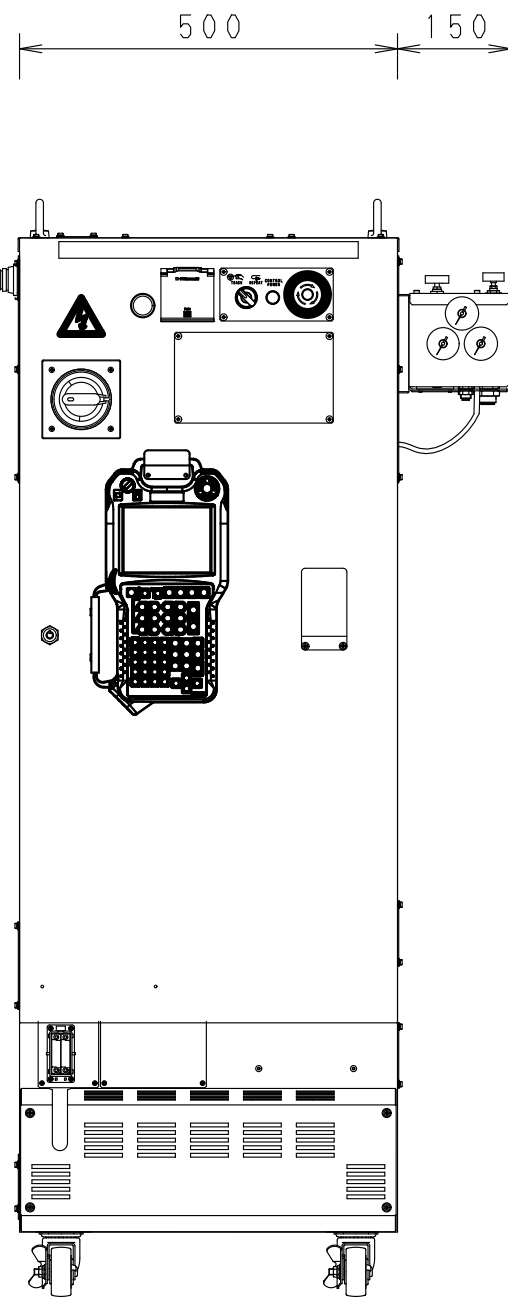
Consult Kawasaki about maintenance parts and spare parts.

E35 CONTROLLER

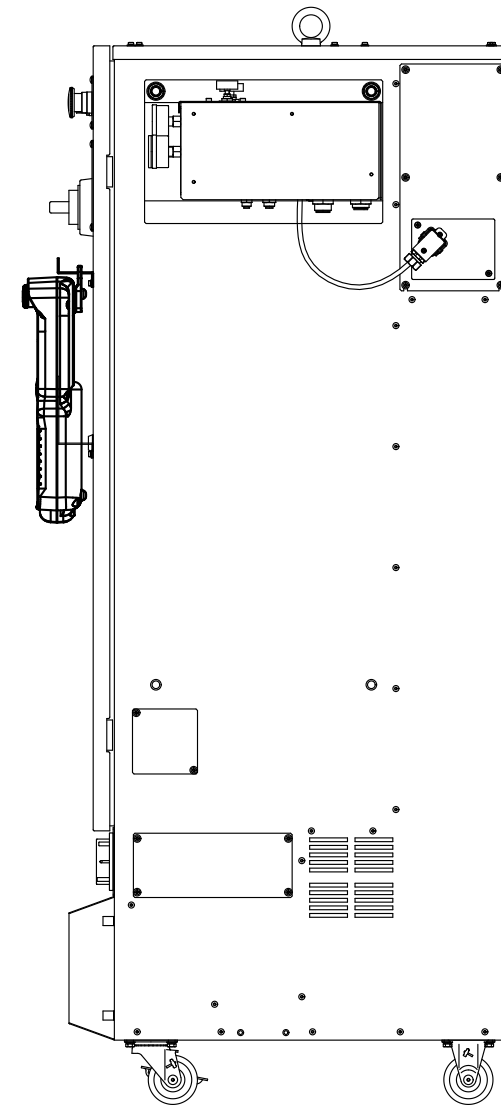
MASS : 170Kg



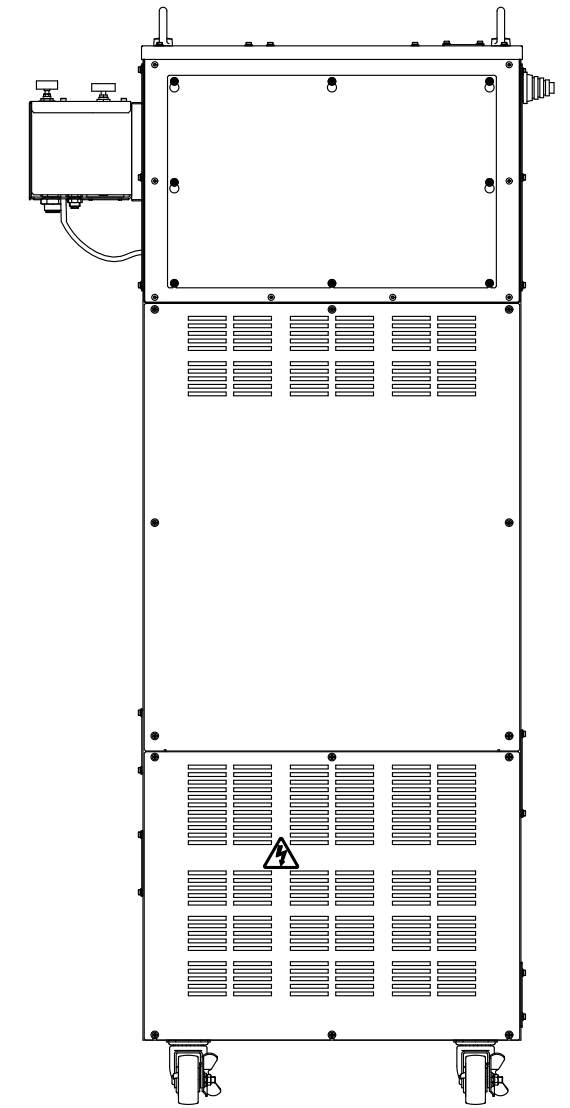
SIDE VIEW



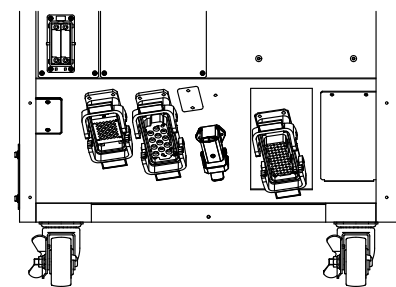
FRONT VIEW



SIDE VIEW



REAR VIEW



WITHOUT CONNECTOR COVER