

Standard Specifications

E58 Controller

June 05, 2020

Kawasaki Heavy Industries, Ltd.
Robot Business Division

Specification number : 90152-0084DEA

Controller specifications

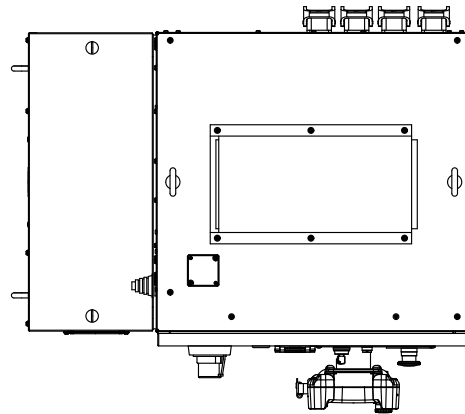
1. Model (Robot type)	E58
	MG10H/MG15H
2. Dimensions	W775×D550×H1370mm
3. Construction	Enclosed structure: Indirect cooling system, IP54 equivalent
4. Controlled axes	Std. 9 axes (Max 16 axes)
5. Memory capacity	8MB
6. I/O signals	External operation sig.: Ext. Emergency Stop, Ext. HOLD signal etc.
	General-purpose I/O sig.: GPIO board (Input 32/Output 32) NPN(Sink) type or PNP(Source) type
7. Cable length	Robot-controller: 5m (Opt.10m/15m)
	Teach pendant: 5m (Opt.10m/15m)
8. Mass	165kg (for Japan)
	215kg (for NA, EU, Asia)
9. Power requirements	AC200-AC220V±10%、50/60Hz、3 phases (JAPAN)
	AC380-AC415V±10%、50/60Hz、3 phases (EU, Asia)
	AC440-AC480V±10%、60Hz、3 phases (NA)
	Max. 15kVA
10. Ground	Less than 100Ω (robot dedicated ground), Leakage current: max. 100mA
11. Installation environment	Ambient temperature: 0 - 45°C
	Relative humidity: 35 - 85% (non-condensation)
12. Teach Pendant	Color LCD with touch panel Emergency Stop SW, Teach Lock SW and Enable SW
13. Operation panel	Emergency Stop SW, Teach/Repeat SW
14. External interface	Ethernet(100BASE-TX/10BASE-T) , USB, RS-232C : each 2port (1port on panel, 1port inside controller)
15. Type of control	Teach mode: Joint, Base, Tool operation mode (option) Fixed Tool operation mode
	Repeat mode: Joint, Linear interpolation mode (option) Circular interpolation mode
16. Teaching method	Easy operation teaching or AS language programming
17. Color	Munsell: 10GY9/1 equivalent
18. Motor brake release	Manual brake release switch
19. Safety Circuit	Category: 4, Performance Level: PL e (EN ISO13849-1) ^{*1}
20. Options	
Additional GPIO	GPIO board (Input 32/Output 32) Max. 128 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
Operation panel option	Motor Power ON, Cycle start, RUN/HOLD, Error reset, Error lamp
External memory	USB memory
Extended safety functions	Cubic-S (Motion area monitoring, Joint monitoring, Speed monitoring etc.)
PC cable (RS-232C)	1.5m, 3m
Others	Cabinet light, GP Field BUS, Software PLC, Analog input/output, Conveyor Synchronization, Vision application and so on

Consult Kawasaki about maintenance parts and spare parts.

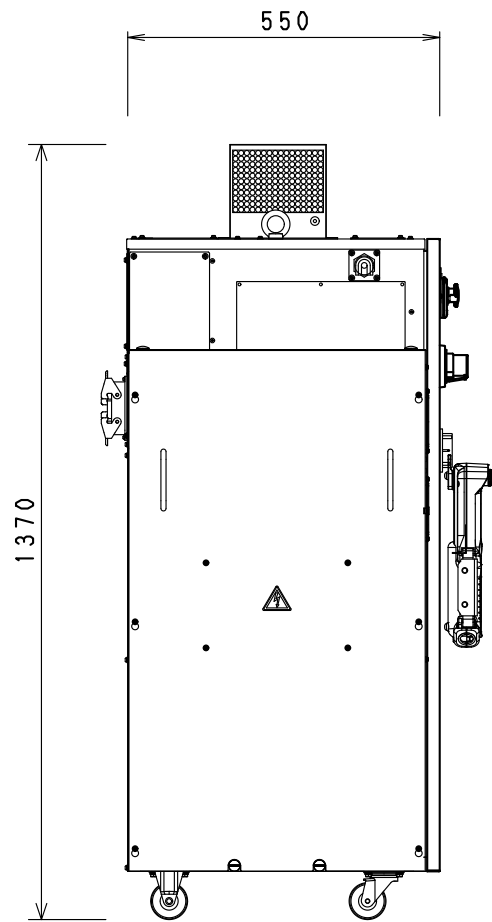
*1 Category and Performance level (PL) are determined by the whole system and conditions.

The safety circuit of this controller is available in the system of category: up to 4, PL: up to e.

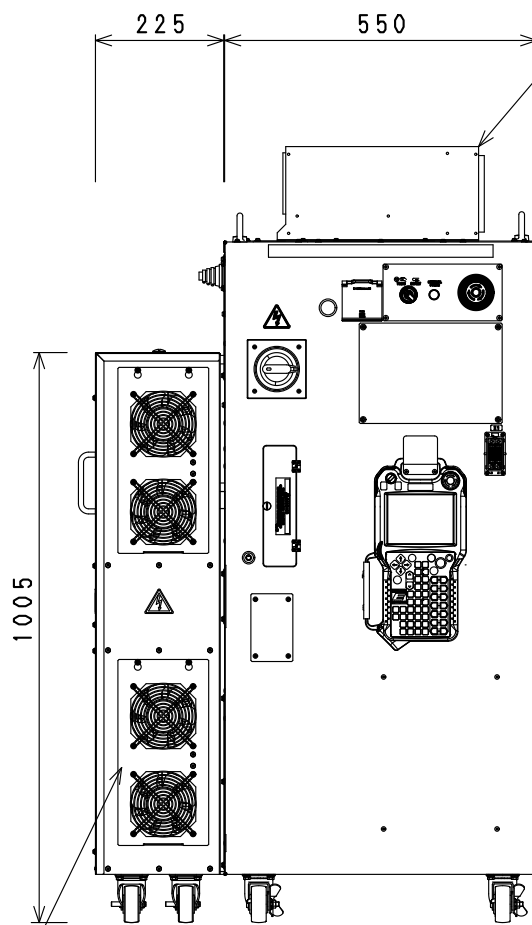
E58 CONTROLLER



TOP VIEW

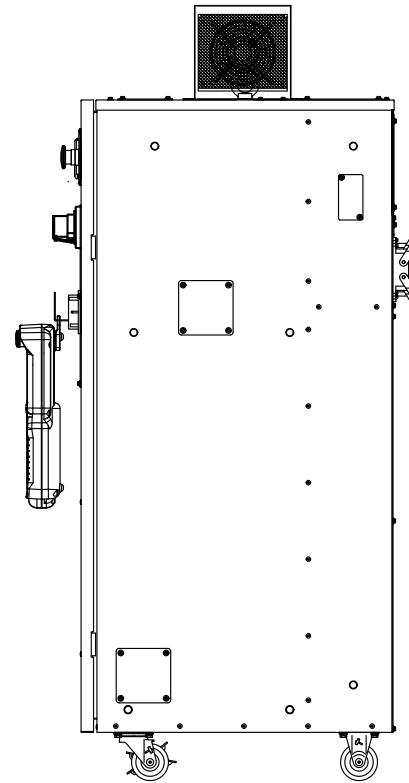


SIDE VIEW

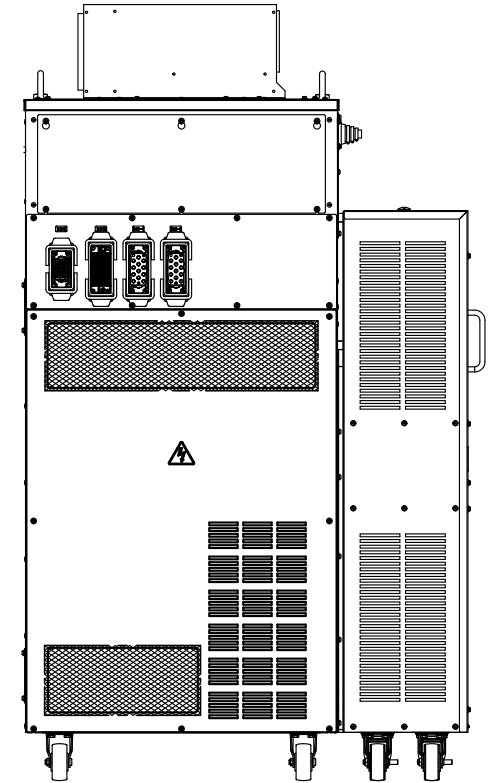


FRONT VIEW

Heat exchanger



SIDE VIEW



REAR VIEW

Transformer FAN
(for primary power transformer spec.)