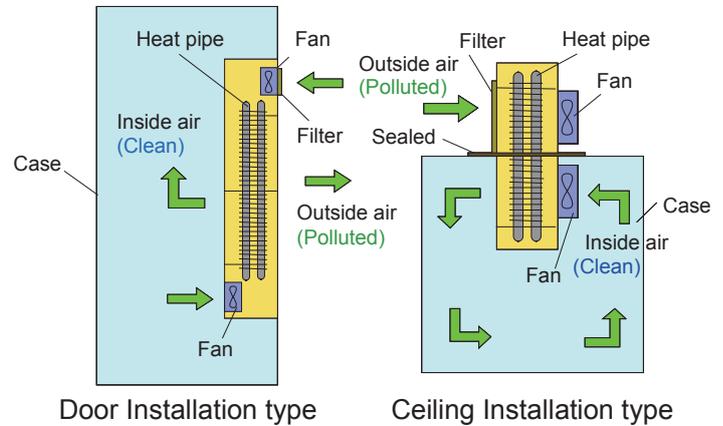


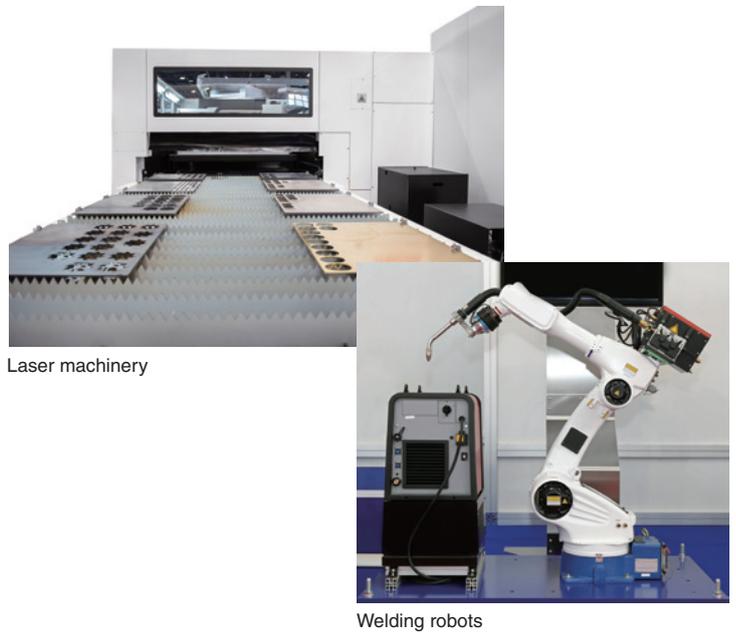
Air Kicker



The Air Kicker is a heat pipe-type cooler for cabinets that was developed as the cabinets on the control panels and operation panels of mainly robots and machine tools have become more air-tight.

Transferring heat with the heat radiating unit using heat pipes, while keeping the cabinet air-tight, separates the inside and outside of cabinet and cools the high-temperature air inside a cabinet that has low-temperature air outside.

The Air Kicker for outdoor use, which was developed for cabinets placed outdoors, has been used with numerous LED road signs and telecommunication base stations, and has been widely accepted for dealing with heat in elongating service lives and enhancing the reliability of precision equipment to be used for long periods. Please do not hesitate to consult Furukawa Electric for equipment of non-standard specifications.



Laser machinery

Welding robots

General Specifications

Model	Door-mounted type								
Model number	D7Z1R280L	D8Z1R350L	D4Z2R270L	D6Z2R270L	D8Z2R270L	D10Z2R270L	D10Z2R460L	D13Z2R460L	
Heat exchange※1 (W)	140/160	200/240	320/380	480/580	680/800	900/1060	1460/1740	2000/2400	
Characteristic coefficient Ψ (W/°C)	7/8	10/12	16/19	24/29	24/40	45/53	73/87	100/120	
Dimensions (height × width × thickness) (mm)	344×177×70	400×200×70	655×188×85	655×264×85	655×340×90	655×415×90	920×423×130	920×538×130	
Weight (kg)	3	4	5	7	9	13	19	24	
Number of fans used (fans per unit)	2	2	2	2	2	4	4	4	
Fan electricity consumption※2 (W)	15/14	15/14	20/18	50/48	50/48	40/35	40/35	40/35	

Model	Ceiling-mounted type				
Model number	C5Z2R300L	C5Z3R300L	C8Z3R360L	C10Z3R440L	C13Z3R460L
Heat exchange※1 (W)	320/350	550/600	1190/1300	1650/1800	2220/2400
Characteristic coefficient Ψ (W/°C)	16/17.5	27.5/30	59.5/65	82.5/90	110/120
Dimensions (height × width × thickness) (mm)	346×195×100	346×195×140	407×310×140	487×385×140	507×500×140
Weight (kg)	6	8	11	25	28
Number of fans used (fans per unit)	2	2	4	4	6
Fan electricity consumption※2 (W)	20/18	50/48	40/35	40/35	40/35

● Door(side)-mounted type is available in indoor and outdoor models

※ Note1 : Performance when $\Delta T = T_1 - T_o = 20^\circ\text{C}$
 T_1 = mean temperature in the case, T_o = outside air temperature

※ Note2 : power consumption is for 60Hz/50Hz
 ※ Ambient temperature : normal temperature of 60°C or less

※ Door(side)-mounted type comes in outdoors and indoors models

※ Painting : Mansel 5Y 7/1 or no paint (zinc-steel plating)

Please contact us for further information about products with nonstandard dimension or performance.