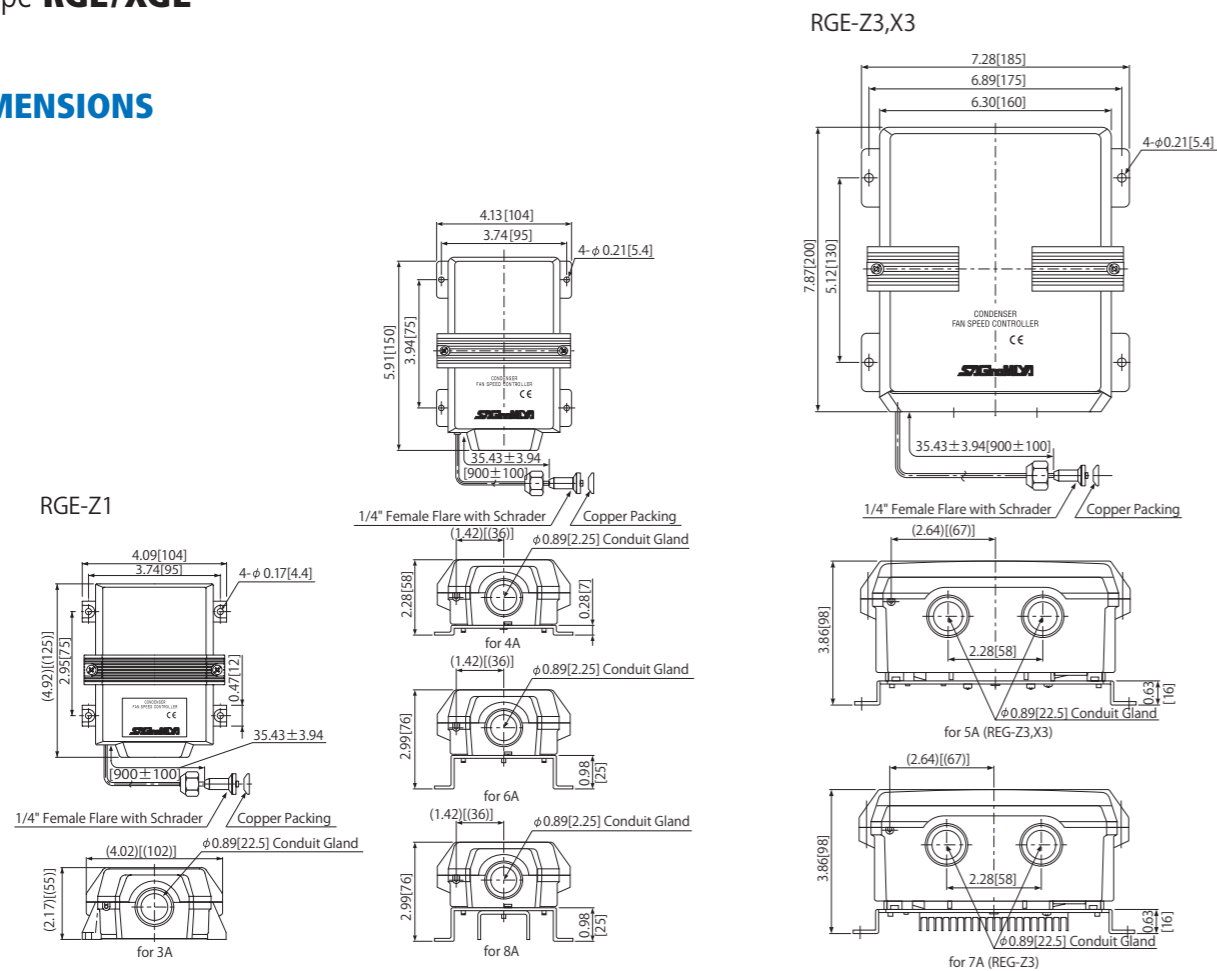


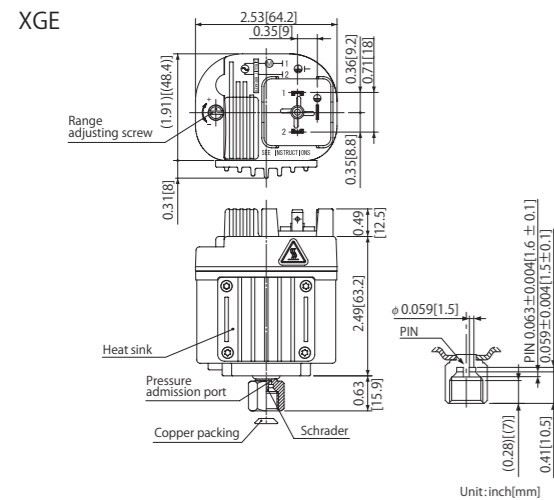
CONDENSER FAN SPEED CONTROLLERS

Type **RGE/XGE**

DIMENSIONS



DIMENSIONS



ACCESSORIES (XGE-1 Plug parts set)

- Plug
- Gasket
- Plug fixing screw
- Plastic bag

NOTES FOR SAFETY

Failure to read and follow all instruction carefully before installing or operating the product could cause personal injury and/or property damage.

Specifications are subject to change without notice.

CONDENSER FAN SPEED CONTROLLERS

Type **RGE/XGE**



CONDENSER FAN SPEED CONTROLLERS

Type **RGE/XGE**

GENERAL DESCRIPTION

- Suitable for controlling the condenser fan speed of condensing unit, packaged air conditioner, and other units which are operated throughout a year.
- Keep condensing pressure constant in winter and intermediate seasons for stable operation.
- One of the following operation models is selectable when low speed.
 - Minimum Speed Operation
 - Cut Off Operation
- Excellent electric noise-resisting design.
- Applicable to the external forced operation switch(RGE).
- UL Recognized
- CE mark applicable.

SPECIFICATIONS

Max. working pressure : 681 psi [4.7MPa]
 Fluid temperature : -4 to 248° F [-20 to 120°C] (RGE) / -4 to 158° F [-20 to 70°C] (XGE)
 Control method : Phase Control
 Enclosure : IP54 (RGE) / IP65 (XGE)

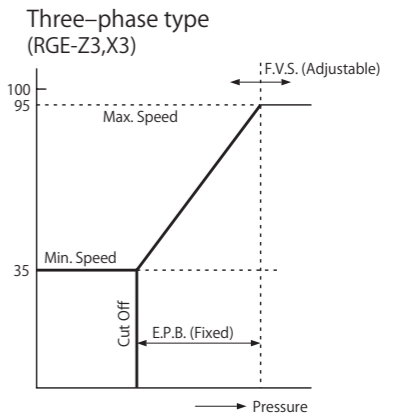
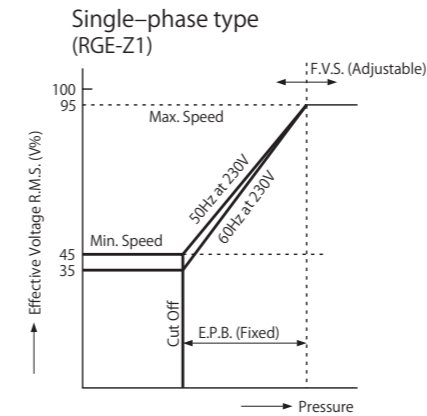
TYPE NUMBER SELECTION

Catalog No.	*1 F.V.S. Setting Adjusting Range (psi[MPa])	*2 E.P.B. (psi[MPa]) Fixed	Electrical Rating		Function	Ambient Temp. (°F [°C])	Refrigerants	Factory Set (psi[MPa])	Wt. (lb[kg])				
			Phase	Ampere									
RGE-Z1L4-7US	116 to 406 [0.8 to 2.8]	87[0.6]	Single phase 200 to 240 V.AC 50/60Hz	0.2 to 3A	At approx. 45% (50Hz), at approx. 35% (60Hz), Cut Off or Minimum Speed function is selectable with changeover switch.	-4 to 131 [-20 to 55]	R22,R404A,R407C (R134a)	*4 276 [1.9]	0.79[0.36]				
RGE-Z1N4-7US		0.2 to 4A		1.10[0.50]									
RGE-Z1P4-7US		0.2 to 6A		1.19[0.54]									
RGE-Z1Q4-7US		0.2 to 8A		1.28[0.58]									
RGE-Z1L6-7US		131[0.9]		0.2 to 3A						0.79[0.36]			
RGE-Z1N6-7US		116[0.8]		0.2 to 4A						1.10[0.50]			
RGE-Z1P6-7US	232 to 566 [1.6 to 3.9]	116[0.8]	Single phase 200 to 240 V.AC 50/60Hz	0.2 to 6A	Default setting: Cut Off	-4 to 122 [-20 to 50]	R410A	464 [3.2]	1.19[0.54]				
RGE-Z1Q6-7US				0.2 to 8A						1.28[0.58]			
RGE-Z3R4-7				116 to 406 [0.8 to 2.8]						87[0.6]	Three phase 200 to 240 V.AC 50/60Hz	0.2 to 5A	At approximately 35%, Cut Off or Minimum Speed function is selectable with changeover switch.
RGE-Z3T4-7	87[0.6]	0.2 to 7A	3.37[1.53]										
RGE-Z3R6-7	232 to 566 [1.6 to 3.9]	116[0.8]	0.2 to 5A	3.09[1.40]									
RGE-Z3T6-7	232 to 566 [1.6 to 3.9]	116[0.8]	Three phase 380 to 415 V.AC 50/60Hz	0.2 to 7A	Function is selectable with changeover switch.	5 to 122 [-15 to 50]	R22,R404A,R407C (R134a)	*4 232 [1.6]	3.09[1.40]				
RGE-X3R4-7				116 to 406 [0.8 to 2.8]						58[0.4]	0.2 to 5A	R410A	464 [3.2]
RGE-X3R6-7				232 to 566 [1.6 to 3.9]						116[0.8]			
XGE-4CC-7US	145 to 363 [1.0 to 2.5]	87[0.6]	Single phase 200 to 240 V.AC 50/60Hz	*3 0.2 to 4A (0.2 to 3A)	Cut Off	-4 to 131 [-20 to 55]	R22,R404A,R407C (R134a)	*4 276 [1.9]	0.42 [0.19]				
XGE-4MC-7US					Minimum Speed								
XGE-6CC-7US	319 to 566 [2.2 to 3.9]	102[0.7]	Single phase 200 to 240 V.AC 50/60Hz	*3 0.2 to 4A (0.2 to 3A)	Cut Off	-4 to 131 [-20 to 55]	R410A	406 [2.8]					
XGE-6MC-7US					Minimum Speed								

*1: The pressure at which the control delivers 95% output effective voltage (VRMS).
 *2: Pressure width where effective voltage corresponds to the minimum speed or causes cut off operation
 *3: Maximum ambient temperature is 104°F [40°C] in case the rated current is 4A.
 *4: When the refrigerant is R134a, please change the pressure setting.
 • Min. speed: Fan motor will be kept running at the specific value (V%) when pressure band decreases less than E.P.B.
 • Cut off: Fan motor will be stopped at the specific value (V%) when pressure band decreases less than E.P.B.

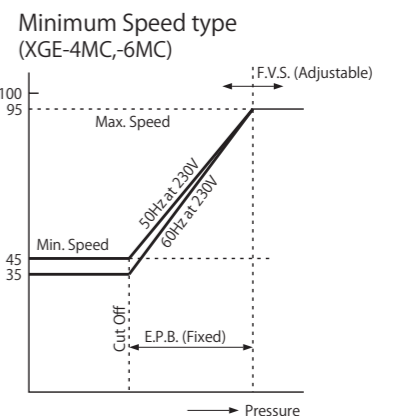
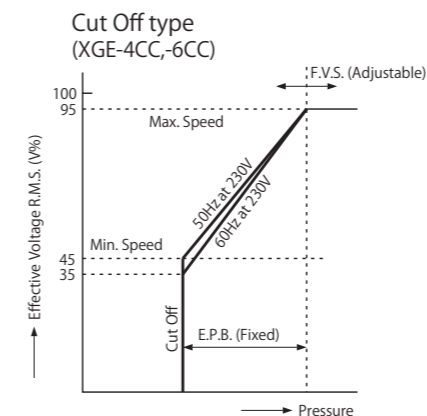
OPERATION

Type RGE



The operating characteristic may vary according to the voltage, frequency, and fan motor characteristics.

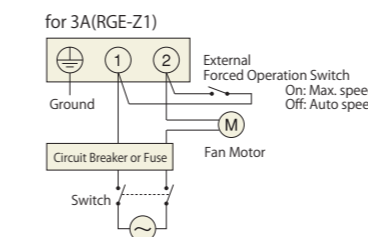
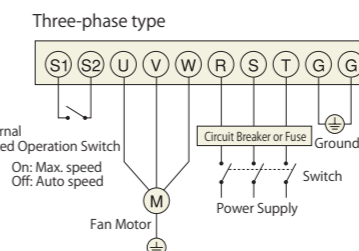
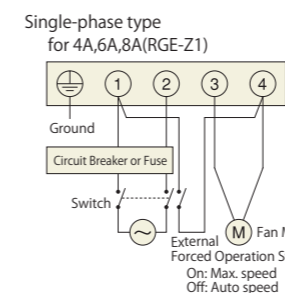
Type XGE



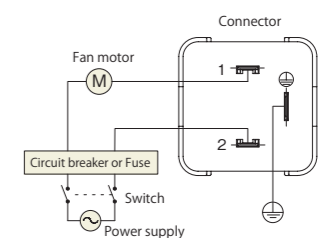
The operating characteristic may vary according to the voltage, frequency, and fan motor characteristics.

WIRING

Type RGE



Type XGE



Supplied with a 4-direction convertible connector and gasket.