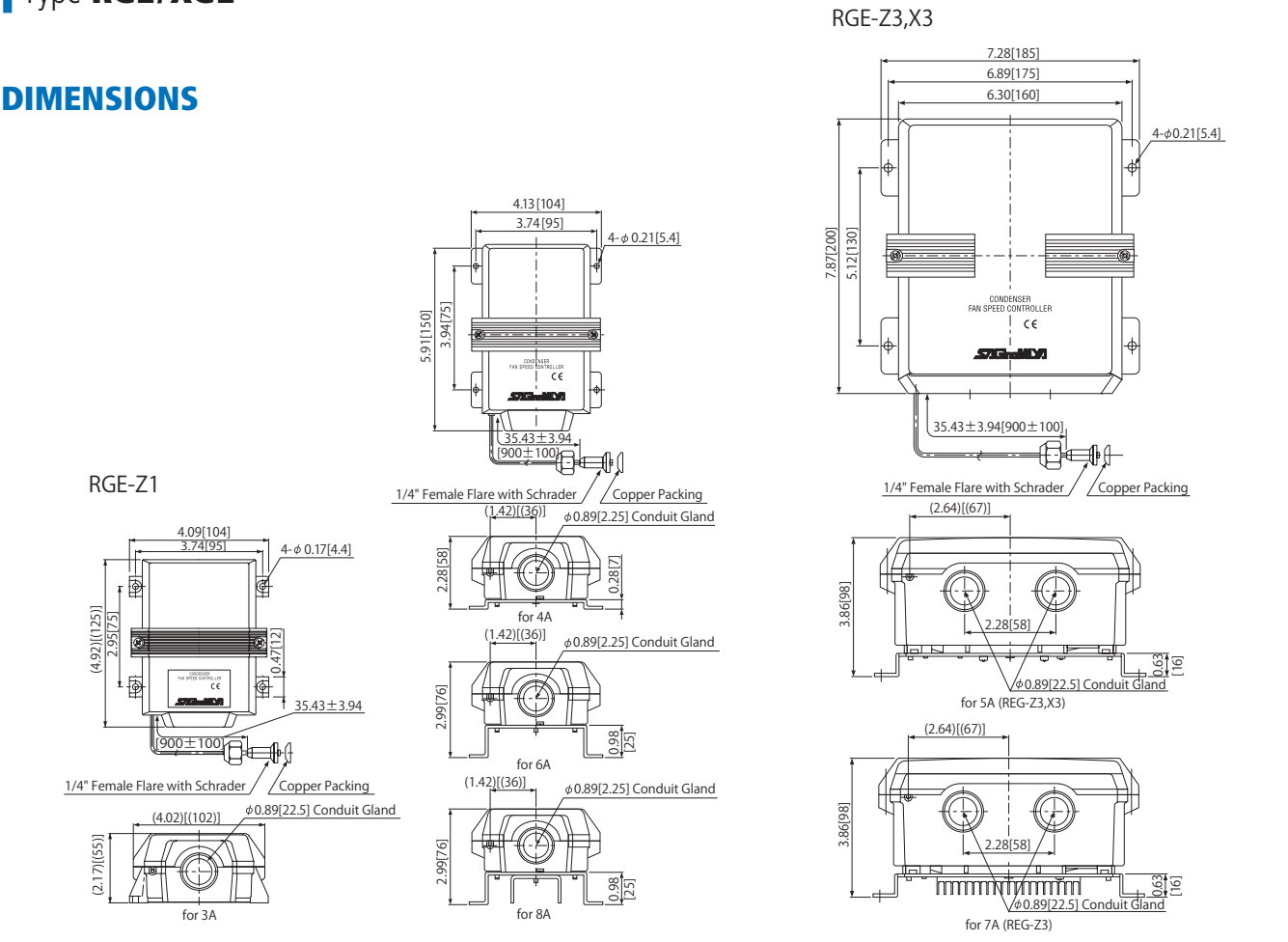


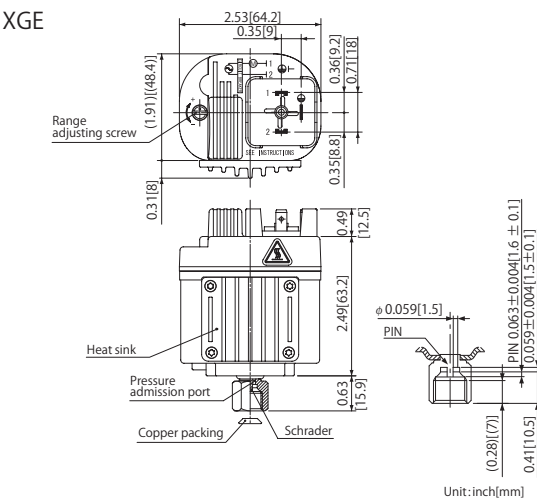
CONDENSER FAN SPEED CONTROLLERS

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 condenser fan speed in condensing units, packaged air conditioners, and other equipment operated throughout the year.
- Maintains constant condensing pressure during winter and intermediate seasons for stable operation.
- One of the following low-speed operation modes can be selected.
 - Minimum Speed Operation
 - Cut-Off Operation
- Excellent electrical noise-resistant design
- Applicable to external forced-operation switch (RGE)
- UL Recognized
- CE marked

Refrigerants: R134a, R404A, R407C, R410A, R32, R1234yf, R454B, R454C
(Please contact us for other details.)

SPECIFICATIONS

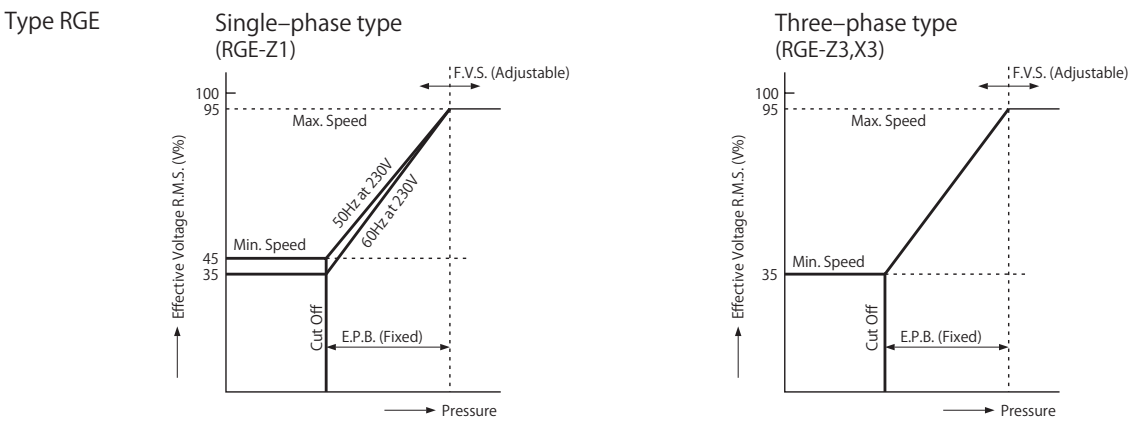
Max. working pressure : 681 psi [4.7MPa]
Fluid teperature : -4 to 248°F [-20 to 120°C] (RGE) / -4 to 158°F [-20 to 70°C] (XGE)
Control method : Phase Control
Enclosure : IP54 (RGE) / IP65 (XGE)

TYPE NUMBER SELECTION

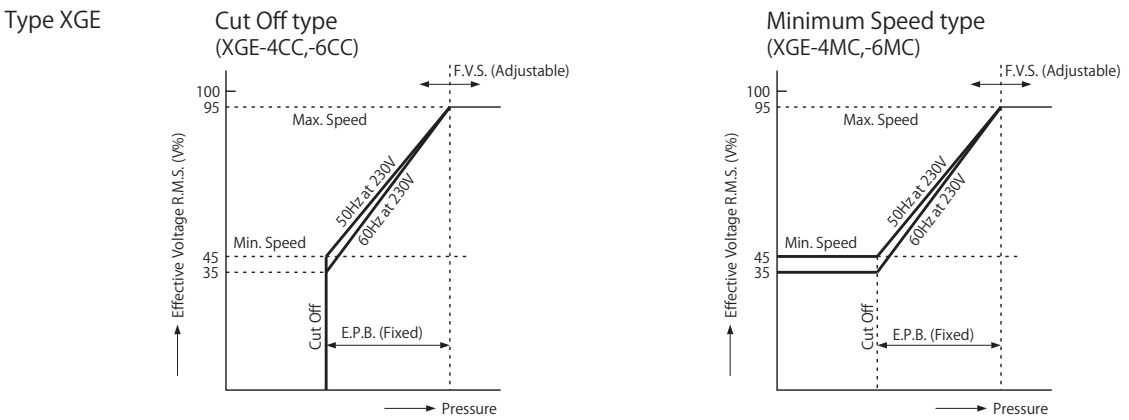
Catalog No.	*1 F.V.S. Setting Adjusting Range (psi[MPa])	*2 E.P.B. (psi[MPa]) Fixed	Electrical Ratnig		Function	Ambient Temperature (°F [°C])	Refrigerants	Factory Setting (psi[MPa])	Wt. (lb[kg])
				Ampere					
RGE-Z1L4-7US	116 to 406 [0.8 to 2.8]	87[0.6]	Single phase 200 to 240 V.AC 50/60Hz	0.2 to 3A	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]	R404A,R407C (R134a)	*4 276 [1.9]	0.79[0.36]
RGE-Z1N4-7US		58[0.4]		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	232 to 566 [1.6 to 3.9]	131[0.9]		0.2 to 3A	Default setting: Cut Off	R410A	464 [3.2]	0.79[0.36]	
RGE-Z1N6-7US		116[0.8]		0.2 to 4A				1.10[0.50]	
RGE-Z1P6-7US				0.2 to 6A				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]	58[0.4]	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.	-4 to 122 [-20 to 50]	R404A,R407C (R134a)	*4 232 [1.6]	3.09[1.40]
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			R410A	464 [3.2]	3.09[1.40]
RGE-Z3T6-7				0.2 to 7A				3.37[1.53]	
RGE-X3R4-7	116 to 406 [0.8 to 2.8]	58[0.4]	Three phase 380 to 415 V.AC 50/60Hz	0.2 to 5A		5 to 122 [-15 to 50]	R404A,R407C (R134a)	*4 232 [1.6]	3.09[1.40]
RGE-X3R6-7	232 to 566 [1.6 to 3.9]	116[0.8]					R410A	464 [3.2]	
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]	R404A,R407C (R134a)	*4 276 [1.9]	0.42 [0.19]
XGE-4MC-7US	319 to 566 [2.2 to 3.9]	102[0.7]			Minimum Speed				
XGE-6CC-7US					Cut Off		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 using 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



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

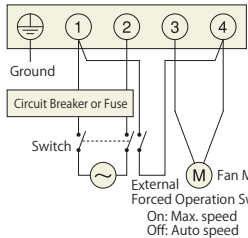


The operating characteristic may vary according to the voltage, frequency, and fan motor characteristics.

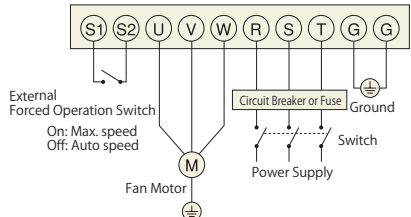
WIRING

Type RGE

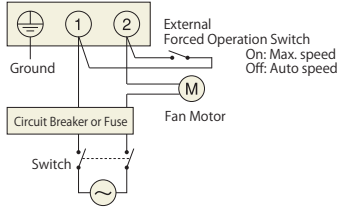
Single-phase type
for 4A,6A,8A(RGE-Z1)



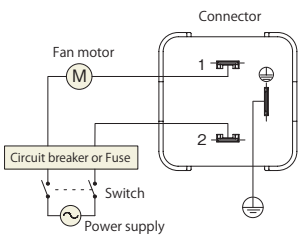
Three-phase type



for 3A(RGE-Z1)



Type XGE



Supplied with a 4-direction convertible connector and gasket.