SHIZUKI

Low Voltage Power Factor Correction Capacitors

SHIZUKI Type **RF-3**

THREE PHASE

380,400,415,440VAC

50Hz or 60Hz

2.5~20kvar

JIS C4901 (1993)

Shizuki Low Voltage Power Factor Correction Capacitors are the most economical means to save electrical power.

Benefits obtained by using the capacitors

1 Electric Power Bills Are Reduced.

Power factor correction capacitors increase power factor by compensating for inductive electrical equipment loads. Select and install a proper capacitor rating to raise the power factor to a desired level depending on the load. For higher power factor sttained by the users, lower electrical charges are generally offered by utility companies.

2 Equipment Cost is Reduced.

Power factor correction capacitors increase power factor and reduce line current. When the capacitors are connected to new installations of plant equipment including welding machines that draw high currents, they will offset the increase in line current caused by the new plant equipment; in other words, they will save the cost of additional distribution equipment.

3 Productivity is Improved and Quality Becomes More Consistent.

Power factor correction will reduce voltage drop and voltage regulation. Connection of power factor correction capacitors to a motor will achieve higher rotation torque due to higher voltage and more consistent motor speed due to less voltage regulation. This will accomplish improvement of productivity and more consistent quality on production made with motors.

4 System Capacity is Gained.

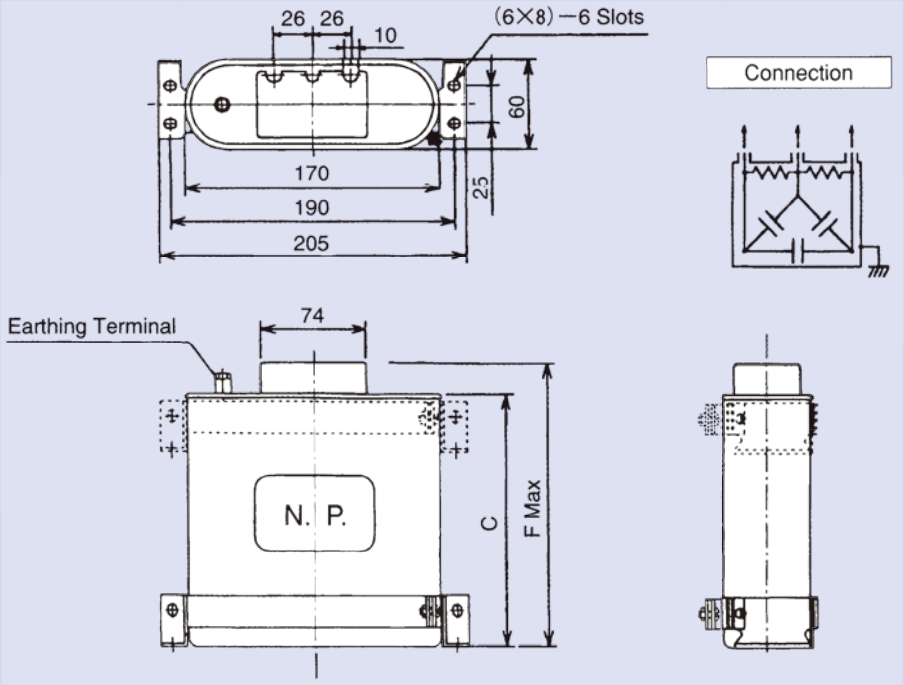
Improved power actor reduces line current. Power factor correction capacitors will relieve capacity of distribution equipment(transformers or circuit breskers). Installation of power factor correction capacitors will enable new loads to be added to the system without overloading the existing distribution equipment.

Specification

Rated voltage	: 380,400,415,440VAC
Frequency/Phase	: 50Hz or 60Hz / Three phase
Withstand voltage	: Between terminals Rated voltage×1.75,5 seconds : Between terminals and case 3,000VAC, 10 seconds
Output(CAP.)tolerance	: 2.5 kvar～20 kvar,−5%～+15%
Applicable standard	: JIS C4901 (1993)
Operating temperature	: −25℃～+45℃
Insulation resistance	: Between terminal and case more than 3,000MΩ
Dissipation factor	: Less than 0.12%
Painting	: Munsell 5Y7/1(Light gray)
Installation	: Indoor only

With safety mechanism & discharge resistor fitted.
Special kvar units not listed below are also available upon request.

Dimensions



●50Hz

Rated voltage (V)	Rated capacity (kvar)	Dimensions C	Dimensions F	Gross mass (kg)
380 or 400	2.5	107	125	1.0
	5.0	107	125	1.0
	7.5	107	125	1.0
	10.0	127	145	1.1
	12.5	147	165	1.3
	15.0	167	185	1.5
	20.0	247	265	2.2
415 or 440	2.5	107	125	1.0
	5.0	107	125	1.0
	7.5	127	145	1.1
	10.0	147	165	1.3
	12.5	167	185	1.5
	15.0	207	225	1.9
	20.0	247	265	2.2

●60Hz

Rated voltage (V)	Rated capacity (kvar)	Dimensions C	Dimensions F	Gross mass (kg)
380 or 400	2.5	107	125	1.0
	5.0	107	125	1.0
	7.5	107	125	1.0
	10.0	127	145	1.1
	12.5	147	165	1.3
	15.0	167	185	1.5
	20.0	247	265	2.2
415 or 440	2.5	107	125	1.0
	5.0	107	125	1.0
	7.5	107	125	1.0
	10.0	147	165	1.3
	12.5	167	185	1.5
	15.0	167	185	1.5
	20.0	247	265	2.2

(All dimensions in millimeter)

Note : Dimensions are subject to change.

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For details contact us.

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