

CONDENSER SERIES REACTOR

Document No.	230706-01
Date	2023.07.05
Writer	KIM DONG KYU
Customer	BA

MODEL : SD-RCAL3(E)-1.4B

3P 440V 20KVAR 7% 50Hz Economy type

Rated Specification

Operating condition	Continuous rating	Load type	Power condenser
Phase	3 ϕ	Cooling system	AN TYPE
Capacity	1.4 KVA	Frequency	50 Hz
Condenser capacity	20 KVAR	Rated circuit voltage	440 V
Rated current	29 A	Reactance	7 %
Insulation class	F CLASS	Coil material	AL

Characteristic Guarantee

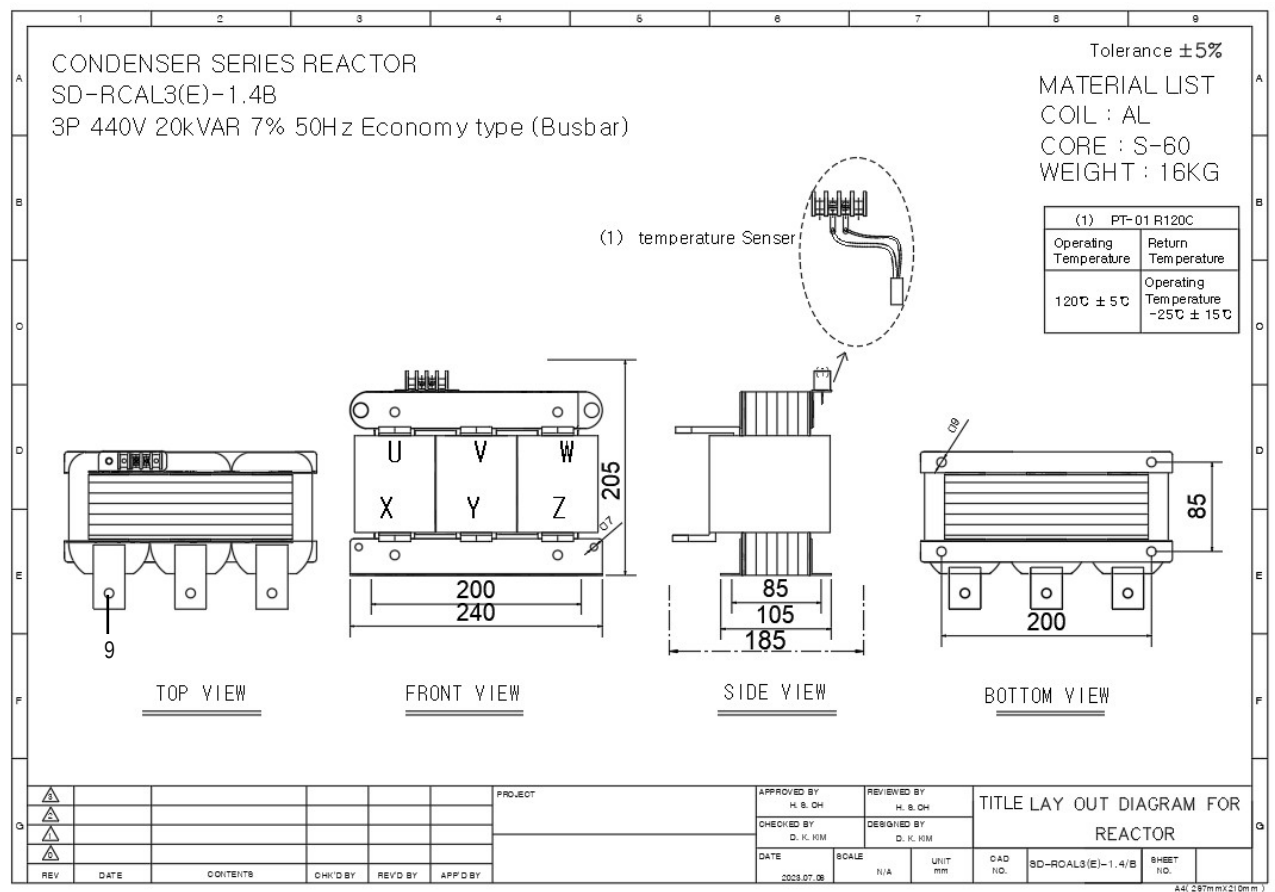
1) Insulation resistance	200m Ω or more
2) Capacity	-5~+10%
3) Temperature rise	MAX 110 $^{\circ}$ C (*When inside 30 $^{\circ}$ C)
4) Frequency withstand voltage	AC 60Hz 3kV / 1min

SPECIFICATION FOR CONDENSER SERIES REACTOR

Materials List

NO	NAME	MATERIAL
1	COIL (WIRE)	AL
2	CORE	S-60
3	INSULATING PAPER	NOMEX
4	VANISH	LIVA 5600

Dimension



CONDENSER SERIES REACTOR

Document No.	230706-02
Date	2023.07.05
Writer	KIM DONG KYU
Customer	BA

MODEL : SD-RCAL3(E)-1.75B

3P 440V 25KVAR 7% 50Hz Economy type

Rated Specification

Operating condition	Continuous rating	Load type	Power condenser
Phase	3 ϕ	Cooling system	AN TYPE
Capacity	1.75 KVA	Frequency	50 Hz
Condenser capacity	25 KVAR	Rated circuit voltage	440 V
Rated current	33.2 A	Reactance	7 %
Insulation class	F CLASS	Coil material	AL

Characteristic Guarantee

1) Insulation resistance	200m Ω or more
2) Capacity	-5~+10%
3) Temperature rise	MAX 110 $^{\circ}\text{C}$ (*When inside 30 $^{\circ}\text{C}$)
4) Frequency withstand voltage	AC 60Hz 3kV / 1min

(주)삼대전기
SAMDAI ELECTRIC Co.,Ltd

NO	NAME	MATERIAL
1	COIL (WIRE)	AL
2	CORE	S-60
3	INSULATING PAPER	NOMEX
4	VANISH	LIVA 5600

CONDENSER SERIES REACTOR
SD-RCAL3(E)-1.75B
3P 440V 25kVAR 7% 50Hz Economy type (Busbar)

Tolerance $\pm 5\%$

MATERIAL LIST
COIL : AL
CORE : S-60
WEIGHT : 17KG

(1) temperature Sensor

TOP VIEW

FRONT VIEW

SIDE VIEW

BOTTOM VIEW

(1) PT-01 R120C	
Operating Temperature	Return Temperature
120°C $\pm$ 5°C	Operating Temperature -25°C $\pm$ 15°C

CONDENSER SERIES REACTOR	Document No.	230706-03
	Date	2023.07.05
	Writer	KIM DONG KYU
	Customer	BA

MODEL : SD-RCAL3(E)-2.1B

3P 440V 30KVAR 7% 50Hz Economy type

Rated Specification

Operating condition	Continuous rating	Load type	Power condenser
Phase	3 ϕ	Cooling system	AN TYPE
Capacity	2.1 KVA	Frequency	50 Hz
Condenser capacity	30 KVAR	Rated circuit voltage	440 V
Rated current	43.6 A	Reactance	7 %
Insulation class	F CLASS	Coil material	AL

Characteristic Guarantee

1) Insulation resistance	200m Ω or more
2) Capacity	-5~+10%
3) Temperature rise	MAX 110 $^{\circ}$ C (*When inside 30 $^{\circ}$ C)
4) Frequency withstand voltage	AC 60Hz 3kV / 1min



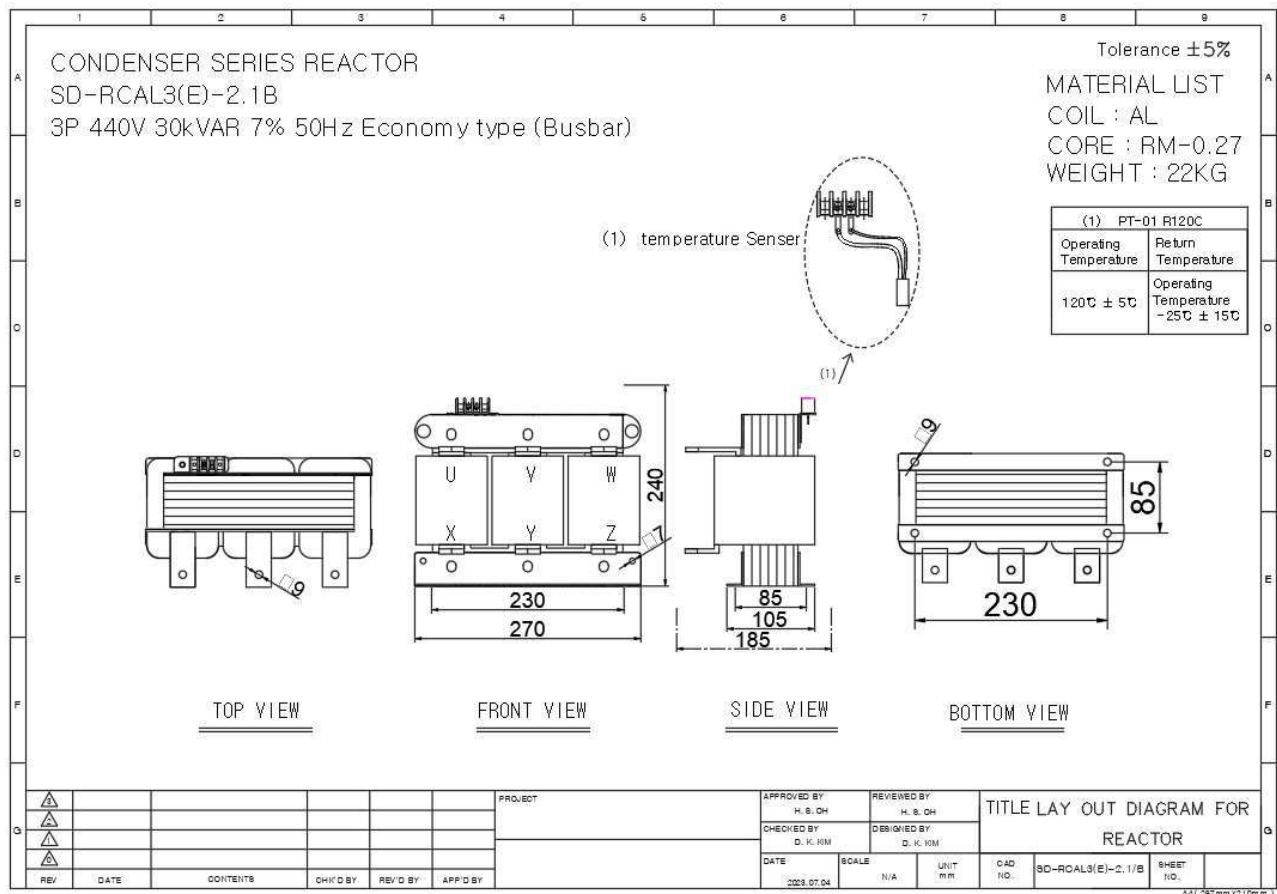
(주)삼대전기
SAMDAL ELECTRIC Co., Ltd

SPECIFICATION FOR CONDENSER SERIES REACTOR

Materials List

NO	NAME	MATERIAL
1	COIL (WIRE)	AL
2	CORE	RM-0.27
3	INSULATING PAPER	NOMEX
4	VANISH	LIVA 5600

Dimension



CONDENSER SERIES REACTOR

Document No.	230706-04
Date	2023.07.05
Writer	KIM DONG KYU
Customer	BA

MODEL : SD-RCAL3(E)-2.8B

3P 440V 40KVAR 7% 50Hz Economy type

Rated Specification

Operating condition	Continuous rating	Load type	Power condenser
Phase	3 ϕ	Cooling system	AN TYPE
Capacity	2.8 KVA	Frequency	50 Hz
Condenser capacity	40 KVAR	Rated circuit voltage	440 V
Rated current	57.9 A	Reactance	7 %
Insulation class	F CLASS	Coil material	AL

Characteristic Guarantee

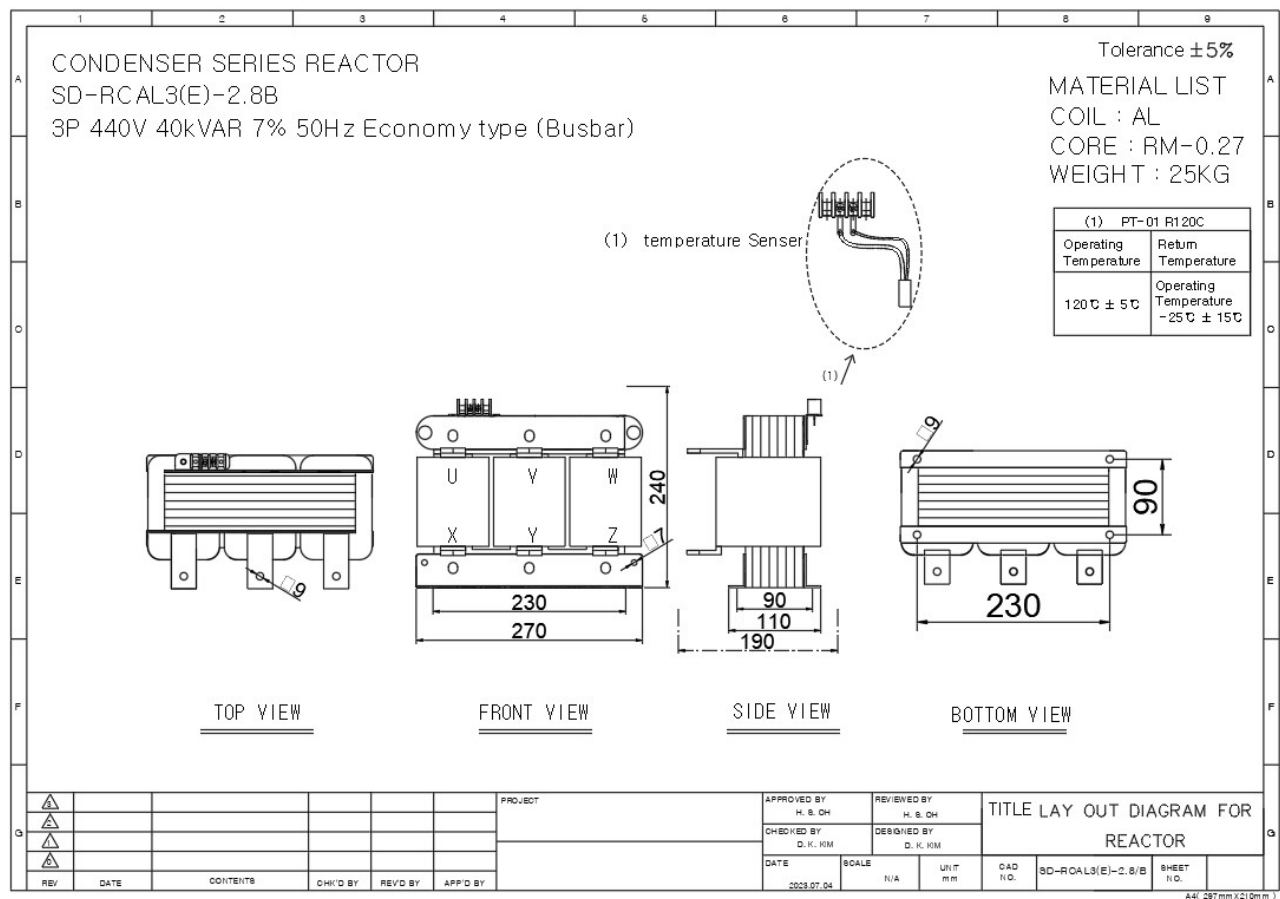
1) Insulation resistance	200m Ω or more
2) Capacity	-5~+10%
3) Temperature rise	MAX 110 $^{\circ}$ C (*When inside 30 $^{\circ}$ C)
4) Frequency withstand voltage	AC 60Hz 3kV / 1min

SPECIFICATION FOR CONDENSER SERIES REACTOR

Materials List

NO	NAME	MATERIAL
1	COIL (WIRE)	AL
2	CORE	RM-0.27
3	INSULATING PAPER	NOMEX
4	VANISH	LIVA 5600

Dimension



CONDENSER SERIES REACTOR

Document No.	230706-05
Date	2023.07.05
Writer	KIM DONG KYU
Customer	BA

MODEL : SD-RCAL3(E)-3.5B

3P 440V 50KVAR 7% 50Hz Economy type

Rated Specification

Operating condition	Continuous rating	Load type	Power condenser
Phase	3 ϕ	Cooling system	AN TYPE
Capacity	3.5 KVA	Frequency	50 Hz
Condenser capacity	50 KVAR	Rated circuit voltage	440 V
Rated current	71.4 A	Reactance	7 %
Insulation class	F CLASS	Coil material	AL

Characteristic Guarantee

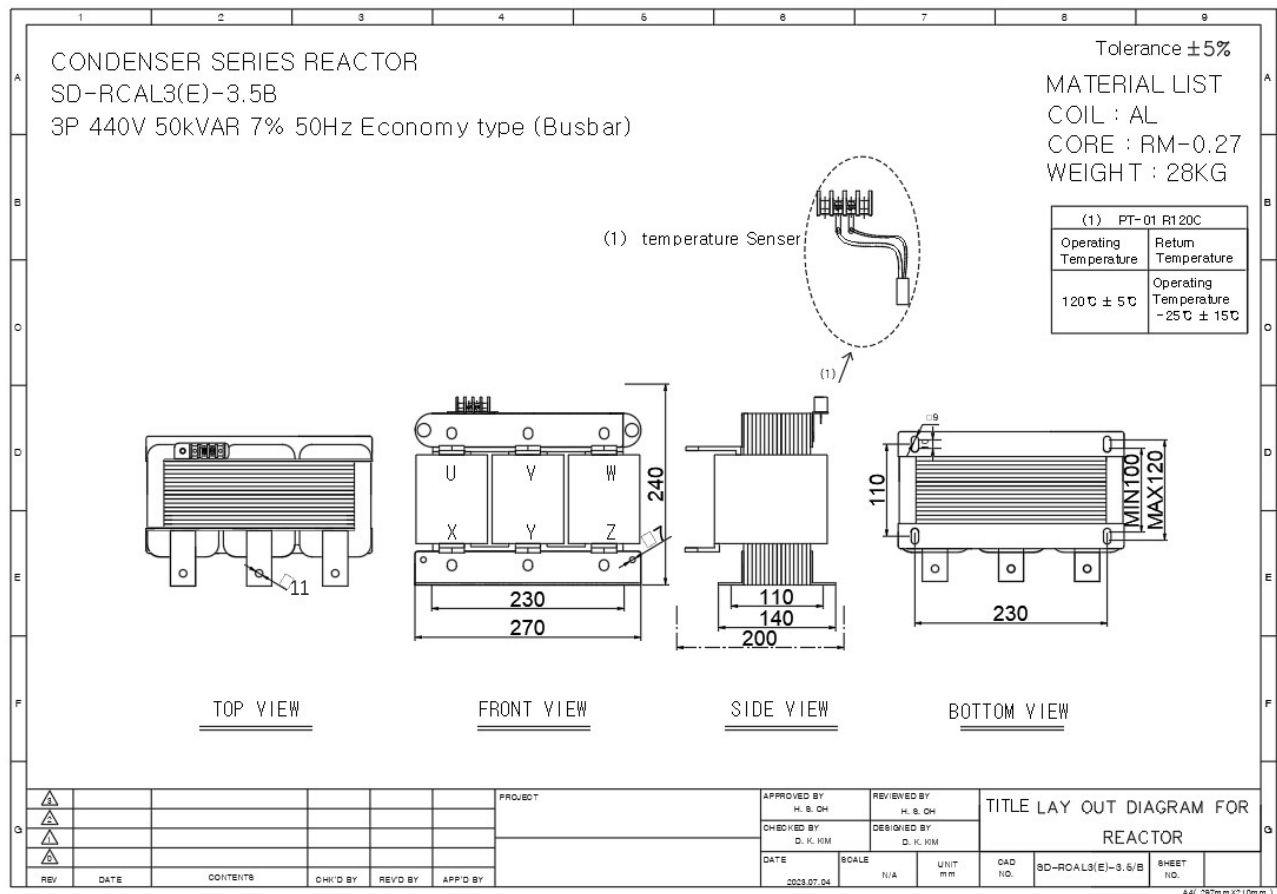
1) Insulation resistance	200m Ω or more
2) Capacity	-5~+10%
3) Temperature rise	MAX 110 $^{\circ}$ C (*When inside 30 $^{\circ}$ C)
4) Frequency withstand voltage	AC 60Hz 3kV / 1min

SPECIFICATION FOR CONDENSER SERIES REACTOR

Materials List

NO	NAME	MATERIAL
1	COIL (WIRE)	AL
2	CORE	RM-0.27
3	INSULATING PAPER	NOMEX
4	VANISH	LIVA 5600

Dimension



CONDENSER SERIES REACTOR

Document No.	230706-06
Date	2023.07.05
Writer	KIM DONG KYU
Customer	BA

MODEL : SD-RCAL3(E)-7B
3P 440V 100KVAR 7% 50Hz Economy type

Rated Specification

Operating condition	Continuous rating	Load type	Power condenser
Phase	3 ϕ	Cooling system	AN TYPE
Capacity	7 KVA	Frequency	50 Hz
Condenser capacity	100 KVAR	Rated circuit voltage	440 V
Rated current	141.7 A	Reactance	7 %
Insulation class	F CLASS	Coil material	AL

Characteristic Guarantee

1) Insulation resistance	200m Ω or more
2) Capacity	-5~+10%
3) Temperature rise	MAX 110 $^{\circ}\text{C}$ (*When inside 30 $^{\circ}\text{C}$)
4) Frequency withstand voltage	AC 60Hz 3kV / 1min

SPECIFICATION FOR CONDENSER SERIES REACTOR

Materials List

NO	NAME	MATERIAL
1	COIL (WIRE)	AL
2	CORE	RM-0.27
3	INSULATING PAPER	NOMEX
4	VANISH	LIVA 5600

Dimension

