



Grid Solutions


NOKIAN CAPACITORS

CAPACITOR UNIT

Capacitor elements of metallized polypropylene-film are self-healing and dry without impregnation liquid. Each capacitor element is assembled with copper busbar inside steel box and individually protected with patented internal protection.


L1-SERIES
L2-SERIES
N6-SERIES

Type	: Self-healing, Dry type
Dielectric	: Metallized polypropylene-film
Internal Connection	: 3-Phase, delta
Frequency	: 50/60 Hz
Internal Protection	: Internal fuse
Discharge Device	: Internal discharge resistor (3 min. 75V)
Flame Protection	: Vermiculite
Rated Voltage	: 200 V to 1000 V
Rated Power	: 10 to 120 KVAR
Over Current	: 1.3 x In Continuous
Over Voltage	: 1.1 x Un Continuous
Dielectric Loss	: ≤ 0.2 W/kVAR
Total Losses	: ≤ 0.4 W/kVAR
Humidity	: 95%
Enclosure	: Rectangular Steel IP42
Temperature category	: -40 °C/+50 °C or +55 °C as request
Standards	: IEC 60831-1/2

TABLE 1 - STANDARD TYPES FOR INDOOR MOUNTING

TYPE	DIMENSION (mm.)		
	HEIGHT	WIDTH	DEPTH
N6D	192	70	377
SL1D	423	127	150
FL2D	341	127	300
SL2D	438	127	300
AL2D	536	127	300
TL2D	633	127	300

TABLE 2 - REACTIVE POWER AT 400V 50HZ

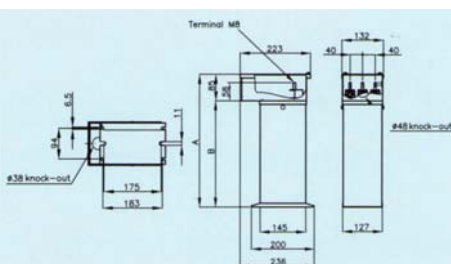
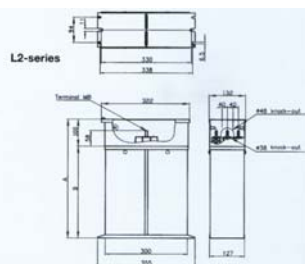
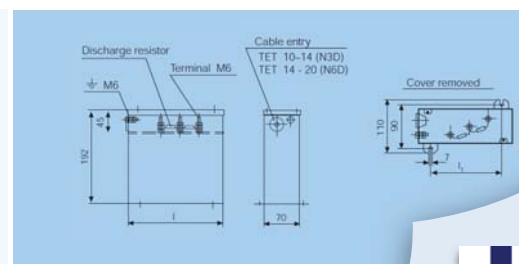
POWER RATING (kVAR)	TYPE	WEIGHT (KG)
15 kVAR	N6D	5
20 kVAR		
25 kVAR		
30 kVAR	SL1D	7
40 kVAR	FL2D	10
50 kVAR	FL2D	10
60 kVAR	SL2D	13
75 kVAR	SL2D	14
80 kVAR	AL2D	15
90 kVAR	AL2D	15
100 kVAR	AL2D	17

*Other power rating and voltages also available on request.

TABLE 3 - REACTIVE POWER AT 525V50HZ

POWER RATING (kVAR)	TYPE	WEIGHT (KG)
30 kVAR	FL2D	14
40 kVAR	FL2D	14
50 kVAR	FL2D	14
60 kVAR	SL2D	15
65 kVAR	SL2D	16
70 kVAR	SL2D	17
75 kVAR	SL2D	17
80 kVAR	SL2D	19
85 kVAR	AL2D	20
90 kVAR	AL2D	21
100 kVAR	AL2D	22
120 kVAR	TL2D	22

DIMENSION


L1-SERIES

L2-SERIES

N6-SERIES

MADE IN FINLAND

Product features

Dry type designation, capacitor elements made of metallized polypropylene film are self-healing and dry without impregnation liquid.

Protection system, Each capacitor element is individually protected with internal fuse protection.

Low dielectric loss, loss of film capacitor is less than 0.2 watt per kvar.

Low losses, Total losses including discharge resistors are less than 0.4 watt per kvar.

Fire protection, All capacitor elements within the capacitor unit are surrounded by vermiculite which is an inorganic, fire proof and nontoxic granular material. In the event of any failure the vermiculite absorbs safely the energy produced within the capacitor box and extinguishes any possible flames.

Long life time, life time of capacitor unit is more than 130,000 hours under normal condition.

High reliability on standards

IEC 600831-1 & 2, The capacitor complies with the requirement of standard. The use of robust terminals removes the risk of damage during installation and reduces maintenance requirements.

ISO 14001, the capacitor has a dry type dielectric and is free from liquids or other impregnating agents. It has been designed for environmentally friendly manufacturing. Our ISO 14001 certification guarantees our commitment to the environment

ISO 9001, Our ISO 9001 quality system registration provides the strongest assurance of our product quality. product quality.

