

Sinusoidal filters for frequency inverters, type TZS single-phase without condensers

Function and description:

Low pass filter is created by combination of inductance L and condensers C. The low pass filters switching frequency of the frequency changer. As result is sinusoidal phase to phase voltage on the filter output.

SKYTLS16-2


TECHNICAL PARAMETERS:

Extent of operating currents	In : 16A
Switching frequency of the inverter	SFr : 8kHz

SKYTLS90XD


TECHNICAL PARAMETERS:

Extent of operating currents	In : 90A
Switching frequency of the inverter	SFr : 5-16kHz

SKYTLS90


TECHNICAL PARAMETERS:

Extent of operating currents	In : 90A
Switching frequency of the inverter	SFr : 5-16kHz

SKYTLS100


TECHNICAL PARAMETERS:

Extent of operating currents	In : 100A
Switching frequency of the inverter	SFr : 5-16kHz

SKYTLS140-0,2


TECHNICAL PARAMETERS:

Extent of operating currents	In : 140A
Switching frequency of the inverter	SFr : 5,7-10kHz

SKYTLS1200


TECHNICAL PARAMETERS:

Extent of operating currents	In : 1200A
Switching frequency of the inverter	SFr : 4kHz

SKY2TSF20-12kHz


TECHNICAL PARAMETERS:

Extent of operating currents	In : 20A
Switching frequency of the inverter	SFr : 12kHz



TECHNICAL PARAMETERS:

Extent of operating currents In : 350A
 Switching frequency of the inverter SFr : 5-16kHz

TECHNICAL PARAMETERS:

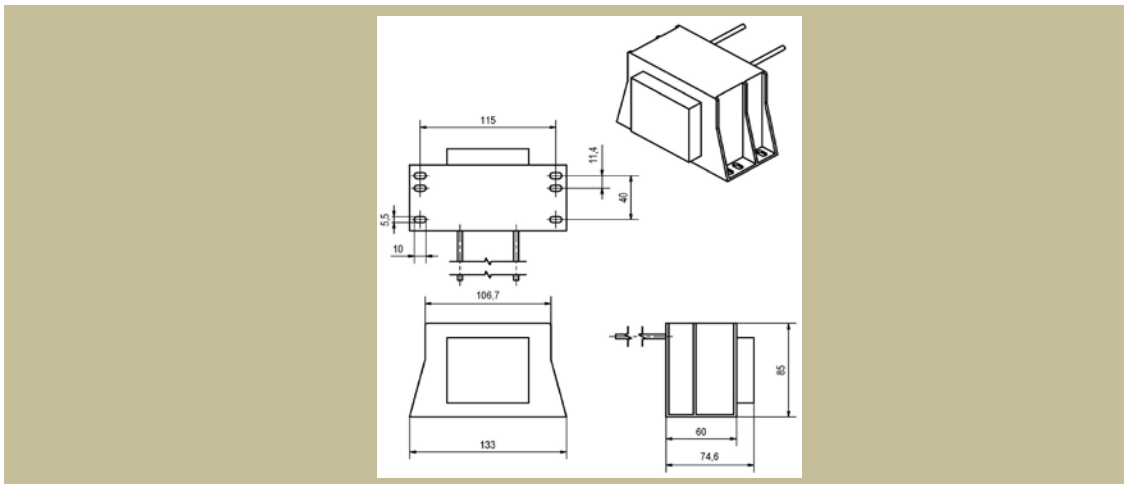
Extent of operating currents In : 180 A
 Switching frequency of the inverter SFr : 6-16kHz

TECHNICAL PARAMETERS:

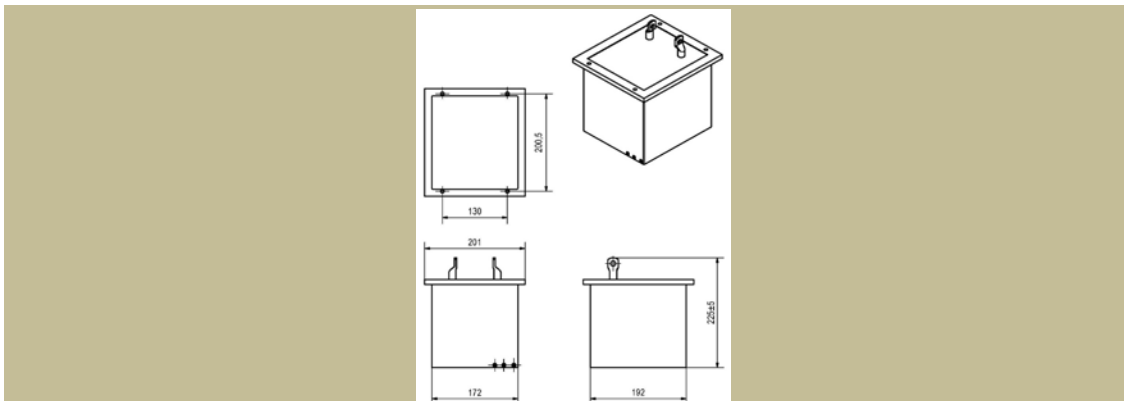
Extent of operating currents In : 90 A
 Switching frequency of the inverter SFr : 5-16kHz

Type	Nominal current [A]	Voltage drop [%]	Weight [kg]	Conductor cross section [mm 2]	basic dimensions [mm]				
					A	B	C	D	E
					length	height	width	pitch	pitch
SKYTLS16-2	16	8	2	CSA 2,5 mm	133	85	74,6	115	40
SKYTLS90XD	90	5-16	23,5	oko 50 x 10	201	225	201	130	200,5
SKYTLS90	90	5-16	28	oko 35 x 8	249	208	235	96	205
SKYTLS100	100	5-16	28	oko 35 x 8	249	208	235	96	205
SKYTLS140-0,2	140	5,7-10	13	oko 70 x 10	180	240	192	140	121
SKYTLS1200	1200	4	50	oko 800x16x2	350	455	420	310	240
SKY2TSF20-12kHz	20	12	3,9	4 - 6	172	142	109	150	64
SKYTSF350-0,06	350	5-16	36	oko 185 x 12	270	345	245	230	180
SKY2TLS180-0,38-6kHz	180	6-16	19	oko 120 x 12	225	293	205	185	111
SKYTLS90XD-rev.1	90	5-16	23,5	20x3 Ø10	201	235	201	130	200,5

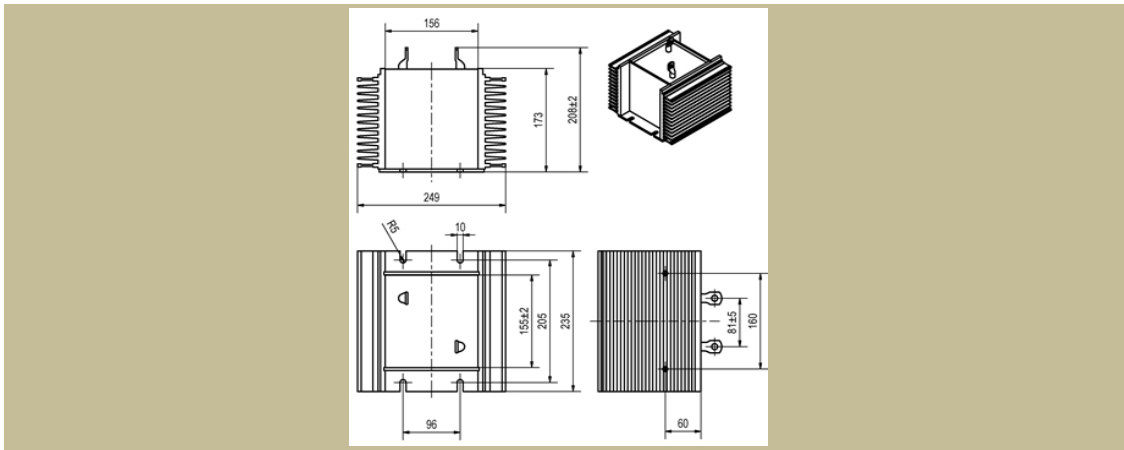
Dimensional drawing : SKYTLS16-2



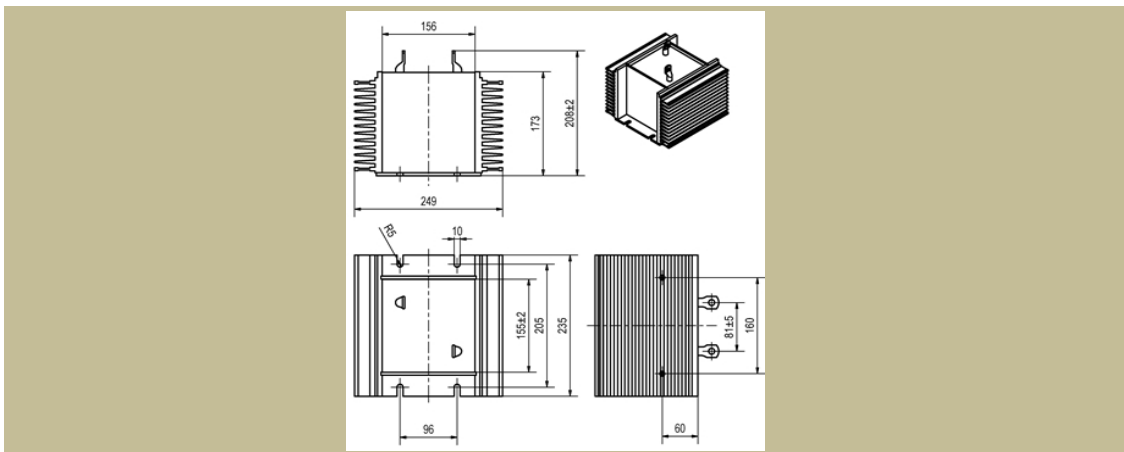
Dimensional drawing: SKYTLS90XD



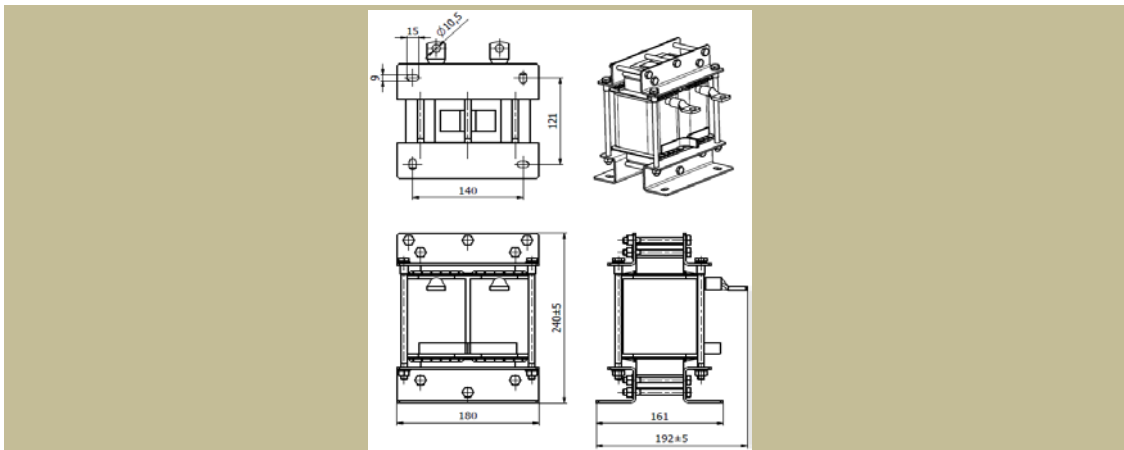
Dimensional drawing : SKYTLS90



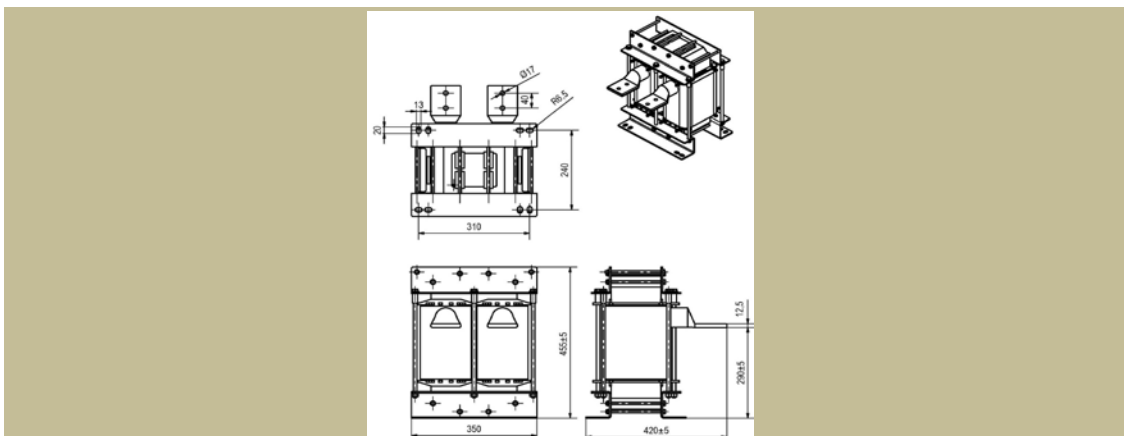
Dimensional drawing : SKYTLS100



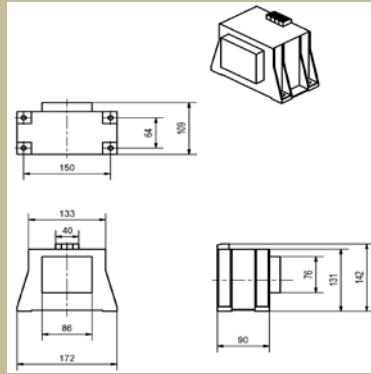
Dimensional drawing : SKYTLS140-0.2



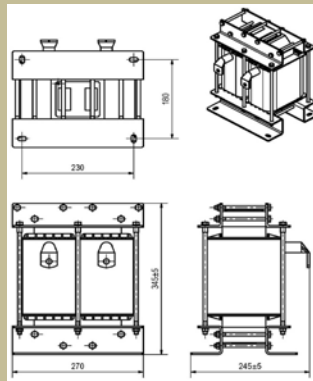
Dimensional drawing : SKYTLS1200



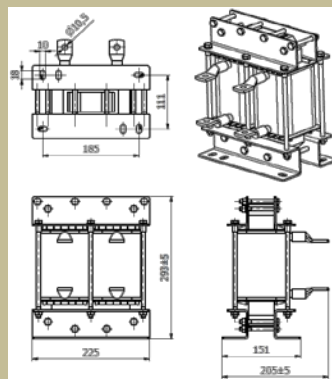
Dimensional drawing : SKY2TSF20-12kHz



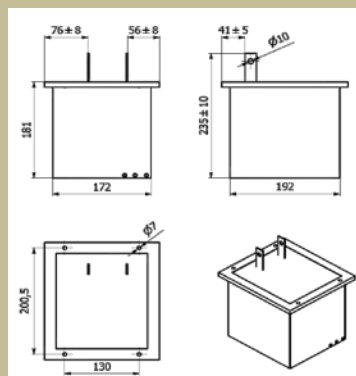
Dimensional drawing : SKYTSF350-0,06



SKY2TLS180-0,38-6kHz



SKYTLS90XD-rev.1



Use:

It is used where we have big distance between the changer and motor. Also it is used where we need to decrease the size of electromagnetic emission and where must be kept low rate of voltage rise du/dt on the motor. By using the sinusoidal filter it is provided

Dimensioning, wiring:

It is dimensioned according to the indicated label values. When installing into switchboards it is necessary to count with power loss of the filter and provide for removal of heat loss by the help of a suitably placed ventilator. It is also necessary to beware of setting of the switching frequency of the changer. The higher is the switching frequency, the lower are radio-frequency losses. Therefore it is important to keep to
