

ST power transformer for control cabinet

Item no. see product data sheet
Performance 75 – 1,600 VA, one fused secondary output
Purpose Power supply 48 VAC



STH power transformer in a housing

Item no. see product data sheet
Performance 75 – 1,600 VA, one fused secondary output
Purpose Power supply 48 VAC



SDS power transformer for control cabinet

Item no. see product data sheet
Performance 2.0 – 10.0 kVA, up to 6 individually fused secondary outputs
Purpose Power supply 48 VAC



SLSH power transformer in a housing

Item no. see product data sheet
Performance 2.0 – 10.0 kVA, up to 6 individually fused secondary outputs
Purpose Power supply 48 VAC



Many ultrasonic humidifiers of the AIRWIN® brand of BOGA GmbH operate with 48 VAC supply voltage. For this purpose, the power transformer of the series ST and STH can be used. To select the appropriate power transformers for the corresponding ultrasonic humidifiers, please see the table below.

Series	Model	Voltage	75	160	200	250	320	400	500	800	1000	1300	1600
UB	8	48 V						x					
	12	48 V							x				
	18	48 V								x			
	24	48 V									x		
NKBD	6	48 V				x							
	12	48 V							x				
	18	48 V								x			
	24	48 V									x		
	30	48 V										x	
RB/P RB/P-D	36	48 V											x
	42	48 V											x
	2	48 V		x									
	4	48 V			x								
	6	48 V				x							
	8	48 V					x						
KMB	10	48 V						x					
	16	48 V								x			
KB	2	48 V	x										
	4	48 V	x	x									
	6	48 V			x								
	8	48 V					x						
	10	48 V						x					
	12	48 V							x				
	14	48 V								x			
	16	48 V									x		



Product data sheet AIRWIN® ST Power Transformer

Accessories AIRWIN®

The power transformers of the ST range are designed for the power supply of AIRWIN® ultrasonic air humidifiers. The mains voltage 230 V 50 Hz is transformed to a secondary voltage of 48/53 V. The ST power transformer is installed in a control cabinet.

Specification

- Primary and secondary side individually fused
- Output voltage between 48 and 53 V selectable to ensure the correct voltage level even for longer distances between transformer and ultrasonic air humidifier
- Performance classes from 75 VA to 1600 VA
- Standing on pedestal, resin impregnation
- according to VDE 0550 parts 1 + 3, VDE 0113, insulation class T40E, protection type IP00, protection class 1, 50 / 60 Hz, ED 100%
- Fuses (5 x 20 mm / 6.3 x 32 mm)

Technical data

Input voltage	230 ± 5%	V
Output voltage	48 / 53	V
Max. ambient humidity	< 80 %	r. H,

Delivery volume

- Power transformer ST

Product specification

Brand	AIRWIN®
Model	see chart
Item no.	see chart



Model	Item no.	Performance	Secondary voltage	Primary voltage	Primary-secondary fuse	Weight	Dimensions
						VA	V
ST 75	7700102	75	48/53	230 / 50	Yes	1.5	105-84-90
ST 160	7700104	160	48/53	230 / 50	Yes	3.0	120-105-100
ST 200	7700106	200	48/53	230 / 50	Yes	3.5	120-105-110
ST 250	7700108	250	48/53	230 / 50	Yes	4.5	120-105-125
ST 320	7700110	320	48/53	230 / 50	Yes	4.5	130-120-105
ST 400	7700112	400	48/53	230 / 50	Yes	5.8	130-120-115
ST 500	7700114	500	48/53	230 / 50	Yes	6.8	130-120-135
ST 800	7700115	800	48/53	230 / 50	Yes	10.2	220-150-135
ST 1000	7701000	1000	48/53	230 / 50	Yes	13.4	220-150-160
ST 1300	7700116	1300	48/53	230 / 50	Yes	15.7	230-174-150
ST 1600	7700117	1600	48/53	230 / 50	Yes	21.0	230-174-180

Rev 08/2019



The power transformers of the STH series are designed for the power supply of AIRWIN® ultrasonic air humidifiers. The mains voltage of 230 V 50 Hz is transformed to a secondary voltage of 48/53 V. The STH power transformer is supplied in a housing with illuminated on/off switch.

Specification

- Power transformer in the housing with ventilation slots in pebble grey similar to RAL 7035
- Primary and secondary side individually fused
- On/off switch
- Output voltage between 48 and 53 V adjustable to ensure of the correct voltage level even for longer distances between transformer and ultrasonic air humidifier
- Performance classes ranging from 75 VA up to 1600 VA
- Standing on pedestals made of PVC, resin impregnation, cable gland
- according to VDE 0550 parts 1 + 3, VDE 0113, insulation class T40E, protection type IP23, protection class 1, 50 / 60 Hz, ED 100%
- Fuses (5 x 20 mm / 6.3 x 32 mm)

Technical data

Input voltage	230 ± 5%	V
Output voltage	48 / 53	V
Max. ambient humidity	< 80 %	r. H.

Scope of delivery

- Power transformer STH

Product specification

Brand	AIRWIN®
Model	see chart
Item no.	see chart



Model	Item no.	Performance	Secondary voltage	Primary voltage	Primary-secondary fuse	Weight	Dimensions
		VA	V	V / Hz		kg	mm (HWD)
STH 75	7700202	75	48/53	230 / 50	Yes	4.3	213-178-220
STH 160	7700204	160	48/53	230 / 50	Yes	5.8	213-178-220
STH 200	7700206	200	48/53	230 / 50	Yes	6.3	213-178-220
STH 250	7700208	250	48/53	230 / 50	Yes	7.3	213-178-220
STH 320	7700210	320	48/53	230 / 50	Yes	7.3	213-178-220
STH 400	7700212	400	48/53	230 / 50	Yes	8.6	213-178-220
STH 500	7700214	500	48/53	230 / 50	Yes	9.6	213-178-220
STH 800	7700215	800	48/53	230 / 50	Yes	17.2	313-271-383
STH 1000	7701001	1000	48/53	230 / 50	Yes	20.4	313-271-383
STH 1300	7700216	1300	48/53	230 / 50	Yes	22.7	313-271-383
STH 1600	7700217	1600	48/53	230 / 50	Yes	28.0	313-271-383

Rev 08/2019



Product data sheet AIRWIN® SDS power transformer

Accessories AIRWIN®

The power transformers of the SDS series are designed for the power supply of AIRWIN® ultrasonic air humidifiers. The mains voltage 230 V 50 Hz is transformed to a secondary voltage of 48/53 V. The SDS power transformer is installed in a control cabinet.

Specification

- Power transformer for 1...x ultrasonic air humidifiers with separate protection
- Primary and secondary side individually fused
- Output voltage between 48 and 53 V selectable to ensure the correct voltage level even for longer distances between transformer and ultrasonic air humidifier
- Performance classes from 2.0 kVA to 10.0 kVA
- Standing on pedestal, resin impregnation
- according to VDE 0550 parts 1 + 3, VDE 0113, insulation class T40E, protection type IP00, protection class 1, 50 / 60 Hz, ED 100%
- up to 6 individually fused secondary outputs with neozed fuses

Technical data

Input voltage	230 ± 5%	V
Output voltage	48 / 53	V
Max. ambient humidity	< 80 %	r. H.

Scope of delivery

- Power transformer SDS

Product specification

Brand	AIRWIN®
Model	see chart
Item no.	see chart



Model	Performance	Secondary voltage	Primary voltage	Primary-secondary fuses	Weight	Dimensions
	kVA	V	V / Hz		kg	mm (hwd)
SDS 2.0	2	48/53	230 / 50	Yes	19.3	228-176-132
SDS 2.5	2.5	48/53	230 / 50	Yes	23.0	320-200-135
SDS 3.0	3	48/53	230 / 50	Yes	27.5	320-200-147
SDS 3.5	3.5	48/53	230 / 50	Yes	34.5	320-200-173
SDS 4.0	4	48/53	230 / 50	Yes	34.5	390-240-153
SDS 4.5	4.5	48/53	230 / 50	Yes	40.0	390-240-168
SDS 5.0	5	48/53	230 / 50	Yes	46.5	390-240-183
SDS 6.3	6.3	48/53	230 / 50	Yes	54.0	455-280-173
SDS 7.5	7.5	48/53	230 / 50	Yes	63.0	455-280-188
SDS 8.8	8.8	48/53	230 / 50	Yes	77.0	455-280-203
SDS 10.0	10	48/53	230 / 50	Yes	91.0	455-280-233

Model	Item no.	1st sec. output	2nd sec. output	3rd sec. output	4th sec. output	5th sec. output	6th sec. output
		"X" = 1	"X" = 2	"X" = 3	"X" = 4	"X" = 5	"X" = 6
SDS 2.0	770120 "X"	7701201	7701202	7701203	7701204	7701205	7701206
SDS 2.5	770121 "X"	7701211	7701212	7701213	7701214	7701215	7701216
SDS 3.0	770122 "X"	7701221	7701222	7701223	7701224	7701225	7701226
SDS 3.5	770123 "X"	--	7701232	7701233	7701234	7701235	7701236
SDS 4.0	770124 "X"	--	7701242	7701243	7701244	7701245	7701246
SDS 4.5	770125 "X"	--	7701252	7701253	7701254	7701255	7701256
SDS 5.0	770126 "X"	--	7701262	7701263	7701264	7701265	7701266
SDS 6.3	770127 "X"	--	7701272	7701273	7701274	7701275	7701276
SDS 7.5	770128 "X"	--	--	7701283	7701284	7701285	7701286
SDS 8.8	770129 "X"	--	--	7701293	7701294	7701295	7701296
SDS 10.0	770130 "X"	--	--	--	7701304	7701305	7701306

Rev 08/2019



Product data sheet AIRWIN® SLSH power transformer

Accessories AIRWIN®

The power transformers of the SLSH series are designed for the power supply of AIRWIN® ultrasonic air humidifiers. The mains voltage 230 V 50 Hz is transformed to a secondary voltage of 48/53 V. The SLSH power transformer is supplied in a housing.

Specification

- Power transformer in a housing with ventilation slots in pebble grey, similar to RAL 7032
- Power transformer for 1...x ultrasonic air humidifiers with separate protection
- Primary and secondary side individually fused
- Output voltage between 48 and 53 V selectable to ensure the correct voltage level even for longer distances between transformer and ultrasonic air humidifier
- Performance classes from 2 kVA to 10.0 VA
- Standing on pedestal, resin impregnation, cable gland in the housing
- according to VDE 0550 parts 1 + 3, VDE 0113, insulation class T40E, protection type IP23, protection class 1, 50 / 60 Hz, ED 100%
- up to 6 individually fused secondary outputs with Neozed fuses

Technical data

Input voltage	230 ± 5%	V
Output voltage	48 / 53	V
Max. ambient humidity	< 80 %	r. H.

Scope of delivery

- Power transformer SLSH

Product specification

Brand	AIRWIN®
Model	see chart
Item no.	see chart



Model	Performance	Secondary voltage	Primary voltage	Primary-secondary fuses	Weight	Dimensions
	kVA	V	V / Hz		kg	mm (hwd)
SLSH 2.0	2	48/53	230 / 50	Yes	27.7	275-500-350
SLSH 2.5	2.5	48/53	230 / 50	Yes	31.4	275-500-350
SLSH 3.0	3	48/53	230 / 50	Yes	35.9	275-500-350
SLSH 3.5	3.5	48/53	230 / 50	Yes	42.9	275-500-350
SLSH 4.0	4	48/53	230 / 50	Yes	42.9	275-500-350
SLSH 4.5	4.5	48/53	230 / 50	Yes	48.4	275-500-350
SLSH 5.0	5	48/53	230 / 50	Yes	54.9	275-500-350
SLSH 6.3	6.3	48/53	230 / 50	Yes	62.4	275-500-350
SLSH 7.5	7.5	48/53	230 / 50	Yes	71.4	285-650-450
SLSH 8.8	8.8	48/53	230 / 50	Yes	85.4	285-650-450
SLSH 10.0	10	48/53	230 / 50	Yes	103.2	285-650-450

Model	Item no.	1st sec. output	2nd sec. output	3rd sec. output	4th sec. output	5th sec. output	6th sec. output
		"X" = 1	"X" = 2	"X" = 3	"X" = 4	"X" = 5	"X" = 6
SLSH 2.0	770220 "X"	7702201	7702202	7702203	7702204	7702205	7702206
SLSH 2.5	770221 "X"	7702211	7702212	7702213	7702214	7702215	7702216
SLSH 3.0	770222 "X"	7702221	7702222	7702223	7702224	7702225	7702226
SLSH 3.5	770223 "X"	--	7702232	7702233	7702234	7702235	7702236
SLSH 4.0	770224 "X"	--	7702242	7702243	7702244	7702245	7702246
SLSH 4.5	770225 "X"	--	7702252	7702253	7702254	7702255	7702256
SLSH 5.0	770226 "X"	--	7702262	7702263	7702264	7702265	7702266
SLSH 6.3	770227 "X"	--	7702272	7702273	7702274	7702275	7702276
SLSH 7.5	770228 "X"	--	--	7702283	7702284	7702285	7702286
SLSH 8.8	770229 "X"	--	--	7702293	7702294	7702295	7702296
SLSH 10.0	770230 "X"	--	--	--	7702304	7702305	7702306

Rev 08/2019

