



Texa WID

Anticondensation Heaters

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Texa WID Anticondensation Heaters

brenclosures.com.au/wid.htm



Texa WID Features

- Click in assembly on 35 mm DIN rail
- Optional temperature control thermostat
- Approvals - CE, IEC protection class I (except the fan forced with thermostat and heaters with covers which are class II)
- Materials - Die-cast aluminium/ Plastic UL94 V-0
- Protection rating - IP20 to IP54 depending on option

The Texa WID range are anticondensation heaters available in heating capacities from 10 to 550W, and in configurations for natural and fan forced convection.

They are used in enclosures where low temperature or high humidity may cause condensation to form in the enclosure, damaging equipment.

WID Selection Guide - Standard Heater

Catalogue No	Heating (W)	Power Supply (V)	IP Rating	Dimensions (mm)		
				Height	Width	Depth
TX-WID01ZX0X	10	110-250 AC/DC	IP54	61	50	25
TX-WID02ZX0X	20	110-250 AC/DC	IP54	71	50	25
TX-WID03ZX0X	30	110-250 AC/DC	IP54	81	50	25
TX-WID05ZX0X	45	110-250 AC/DC	IP20	107	70	50
TX-WID10ZX0X	100	110-250 AC/DC	IP20	182	70	50
TX-WID15ZX0X	150	110-250 AC/DC	IP20	262	70	50

WID Selection Guide - Standard Heater with Cover

Catalogue No	Heating (W)	Power Supply (V)	IP rating	Dimensions (mm)		
				Height	Width	Depth
TX-WID05ZX0P*	50	110-250 AC/DC	IP20	110	60	90
TX-WID10ZX0P*	100	110-250 AC/DC	IP20	110	60	90
TX-WID15ZX0P*	150	110-250 AC/DC	IP20	150	60	90

* Available on request

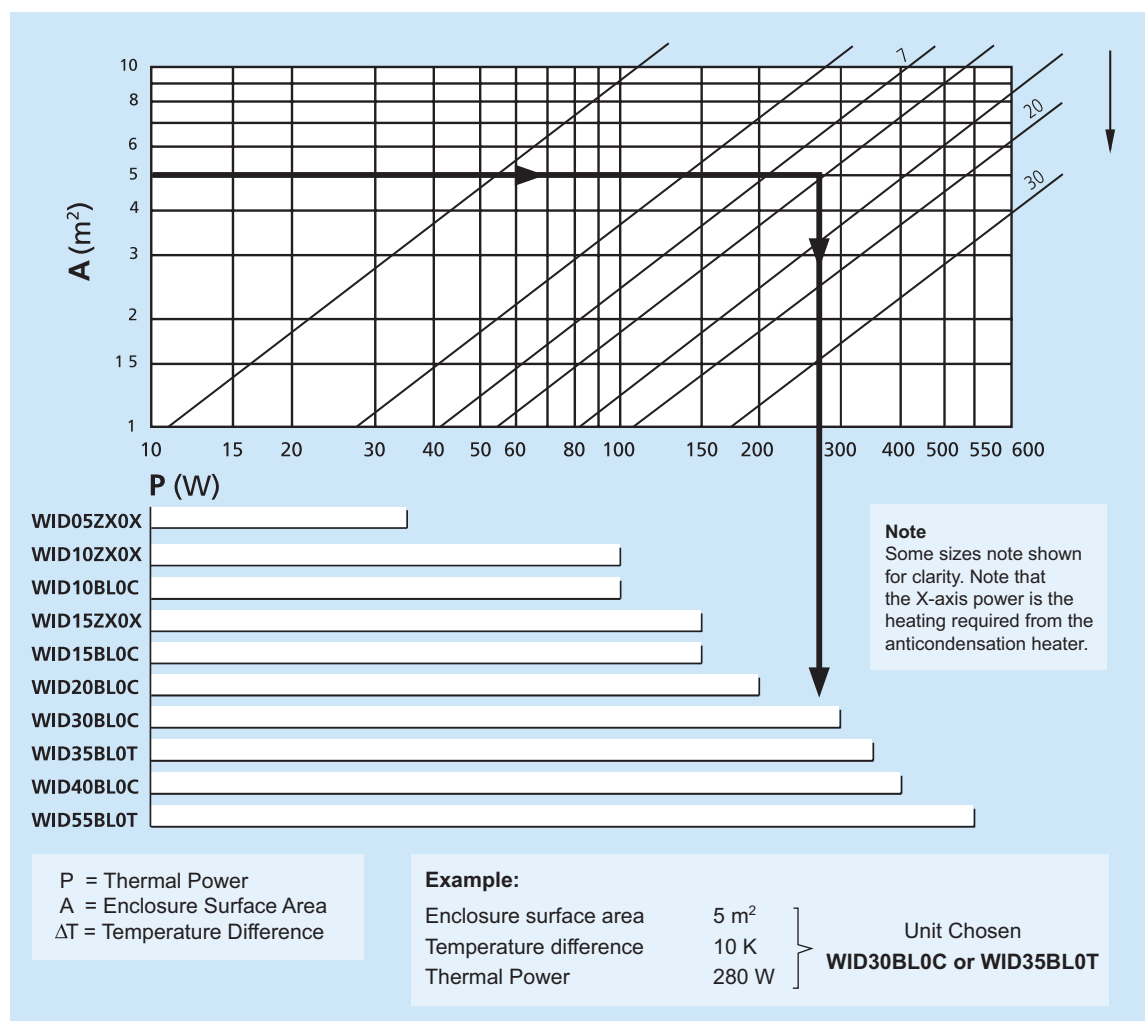
WID Selection Guide - Fan Forced Compact Heaters

Catalogue No	Heating (W)	Power Supply (V/Ph/Hz)	IP Rating	Dimensions (mm)		
				Height	Width	Depth
TX-WID10BL0C	100	230/1/50-60	IP20	112	80	47
TX-WID15BL0C	150	230/1/50-60	IP20	112	80	47
TX-WID20BL0C	200	230/1/50-60	IP20	151	119	47
TX-WID30BL0C	300	230/1/50-60	IP20	151	119	47
TX-WID40BL0C	400	230/1/50-60	IP20	151	119	47

WID Selection Guide - Fan Forced with Thermostat

Catalogue No	Heating (W)	Power Supply (V/Ph/Hz)	IP Rating	Dimensions (mm)		
				Height	Width	Depth
TX-WID35BL0T	350	230/1/50-60	IP20	165	100	128
TX-WID55BL0T	550	230/1/50-60	IP20	165	100	128

Quick Selection Guide



WID Anticondensation Heaters

Anticondensation heaters are required in order to prevent failures or corrosion caused by water condensing inside the enclosure. Such conditions are likely when the ambient temperature is low or when humidity is high and the equipment inside the enclosure is not powered, or fails to dissipate enough heat to keep the enclosure temperature, above the minimum threshold.

Safety

Surface temperature is limited via a Positive Temperature Co-efficient Device (PTC). This ensures safe operation and a self adjusted heating power. All heaters are class 1 and have an IP20 protection level.

Quick Assembly

Assembly is quick and simple. All units are designed for click-in assembly on 35mm DIN rail.

Long Life

The fanned versions of the heaters feature fans of a high volumetric efficiency and quality. Their life is approximately 50,000 working hours at an ambient temperature of 25°C

Flexible Power Supply

The WID heater series in the catalogue feature the following powers:

- 110-250V AC/DC WID..ZX0X
- 230V 50/60 Hz WID..BL0C and WID...BL0T

Wide Range

Compact, reliable and highly efficient the WID heater series cover a range of powers from 40 to 550W and are available in three types:

- WID..ZX0X Standard
- WID..BL0C Ventilated compact
- WID..BL0T Ventilated with built in thermostat

Special Products

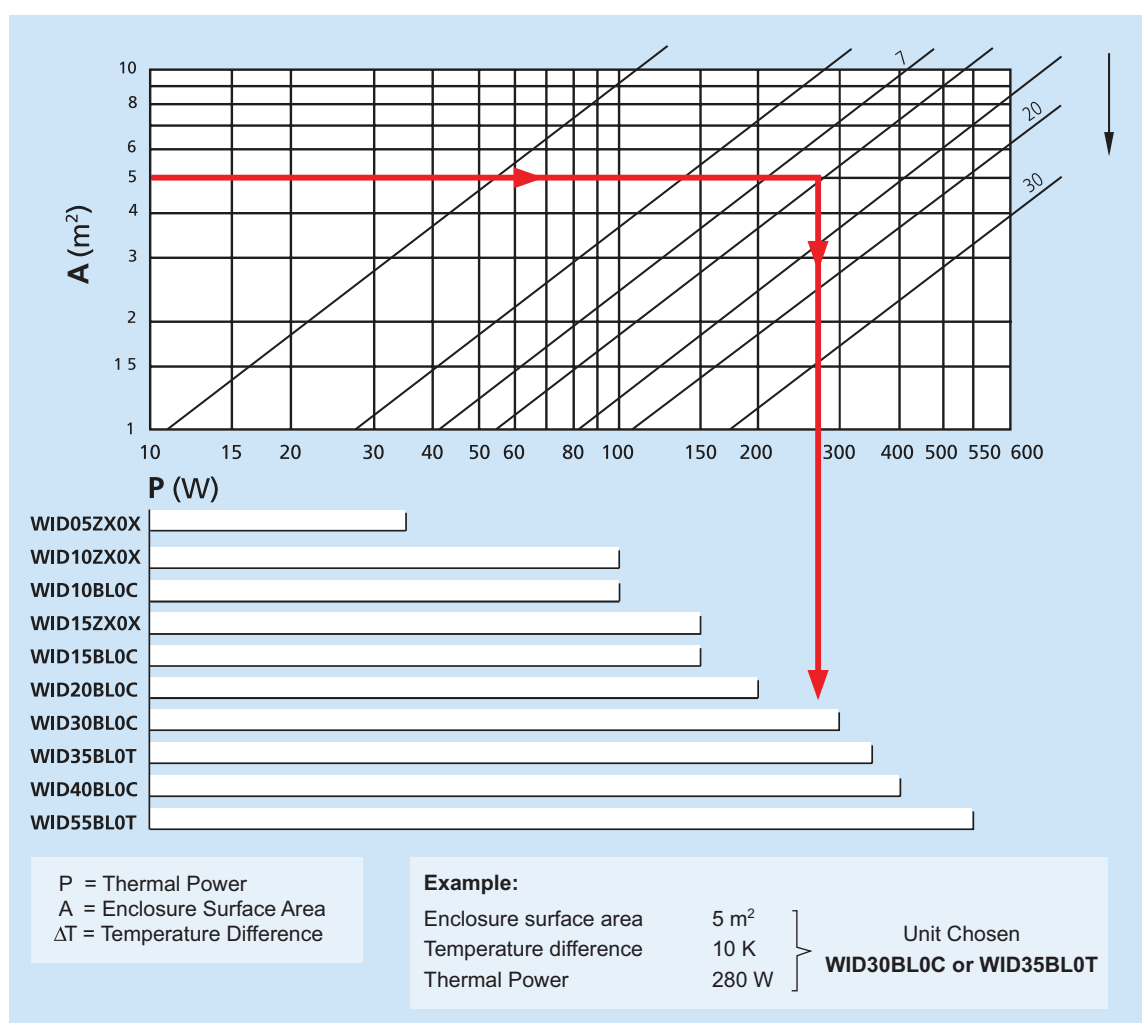
On request and for larger quantities other voltages can also be supplied.



Application Tips

- To ensure optimum temperature, the heaters must be controlled by either a thermostat or humidistat (see Texa accessories on page 254-255)
- To ensure maximum efficiency the heaters must be installed at the bottom of the enclosure with the flow of air aimed upwards, and the fan and electrical connection at the bottom. A minimum clearance of 50mm must be left under and over the heater to ensure the flow of warm air is not throttled.
- All electrical components made with a thermoplastic material must be kept at least 50mm away from the heater.
- If the enclosure is very large, it is advisable to install several heaters, distributed evenly, instead of a single, more powerful heater. In this configuration, heat is distributed more evenly.

Quick Selection Guide



Quick Selection Guide

WID..Z heater

Heating Capacity (W)		10	20	30	45	100	150
Dimensions mm	H	61	71	81	109	184	264
	W	50	50	50	70	70	70
	D	25	25	25	80	50	50
Power Supply V/ph/Hz		110-250 AC/DC	110-250 AC/DC	110-250 AC/DC	110-250 AC/DC	110-250 AC/DC	110-250 AC/DC
Catalogue Number		TX-WID01ZX0X	TX-WID02ZX0X	TX-WID03ZX0X	TX-WID05ZX0X	TX-WID10ZX0X	TX-WID15ZX0X
Page		250			251		

WID..BLOC compact heaters

Heating Capacity (W)		100	150	200	300	400
Dimensions mm	H	112	112	151	151	151
	W	80	80	119	119	119
	D	47	47	47	47	47
Power Supply V/ph/Hz		230/50-60	230/50-60	230/50-60	230/50-60	230/50-60
Catalogue Number		TX-WID10BL0C	TX-WID15BL0C	TX-WID20BL0C	TX-WID30BL0C	TX-WID40BL0C
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WID..BLOT ventilating heaters with thermostat

Heating Capacity (W)		350	550
Dimensions mm	H	165	165
	W	100	100
	D	128	128
Power Supply V/ph/Hz		230/50-60	230/50-60
Catalogue Number		TX-WID35BL0T	TX-WID55BL0T
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WID..ZX0X

Anticondensation Heaters 10-30W



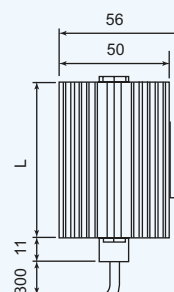
Characteristics	M.U.	TX-WID01ZX0X	TX-WID02ZX0X	TX-WID03ZX0X
Heating capacity*	W	10	20	30
Power supply	V~ Hz	110-250 V AC/DC	110-250 V AC/DC	110-250 V AC/DC
Dimensions HxWxD	mm	61x50x25	71x50x25	81x50x25
Max. current	A	0.8	1.0	1.5
Heating element	-	PTC self-regulated	PTC self-regulated	PTC self-regulated
Electrical connection	-	Cable L = 0.3 m	Cable L = 0.3 m	Cable L = 0.3 m
Protection class IEC	-	I	I	I
Protection level EN60529	-	IP54	IP54	IP54
Radiator	-	Die-cast aluminium	Die-cast aluminium	Die-cast aluminium
Mounting on clip for DIN bar	mm	35	35	35
Weight	Kg	0.1	0.2	0.2
Conformity	-	CE	CE	CE

* At ambient temperature 20°C

Accessories / Options

0-60°C thermostat, NC 10A	TX-AAWTC10
10-60°C thermostat, 10A change-over contact	TX-AAWTS10
RH 35-95% humidistat, 5A change-over contact	TX-AAWHS10

Front Elevation



	L
WID01	50
WID02	60
WID03	70

Side Elevation

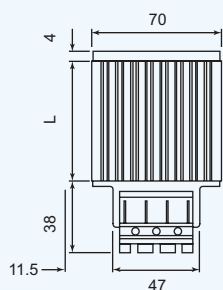


WID..ZX0X

Anticondensation Heaters 45-150W

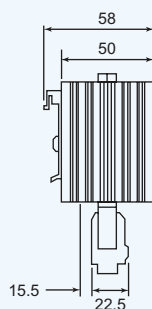


Front Elevation



	L
WID05	65
WID10	140
WID15	20

Side Elevation



Characteristics	M.U.	TX-WID05ZX0X	TX-WID10ZX0X	TX-WID15ZX0X
Heating capacity*	W	45	100	150
Power supply	V~ Hz	110-250 V AC/DC	110-250 V AC/DC	110-250 V AC/DC
Dimensions HxWxD	mm	107x70x50	182x70x50	262x70x50
Max. current	A	1.0	2.4	4.5
Heating element	-	PTC self-regulated	PTC self-regulated	PTC self-regulated
Electrical connection	-	3-pole terminal board	3-pole terminal board	3-pole terminal board
Protection class IEC	-	I	I	I
Protection level EN60529	-	IP20	IP20	IP20
Radiator	-	Die-cast aluminium	Die-cast aluminium	Die-cast aluminium
Mounting on clip for DIN bar	mm	35	35	35
Weight	Kg	0.3	0.5	0.7
Conformity	-	CE	CE	CE

* At ambient temperature 20°C

Accessories / Options

0-60°C thermostat, NC 10A	TX-AAWTC10
10-60°C thermostat, 10A change-over contact	TX-AAWTS10
RH 35-95% humidistat, 5A change-over contact	TX-AAWHS10

Non-metallic

General Purpose

Stainless Steel

Mining & Hazardous

Switchboard Building

Datacoms

Climate Control

Technical Drawings

Enclosure Selection



WID..BLOC

Anticondensation Heaters 100-400 W

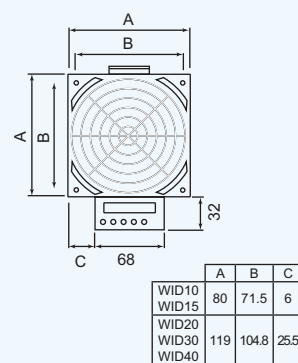


Characteristics	M.U.	TX- WID10BL0C	TX- WID15BL0C	TX- WID20BL0C	TX- WID30BL0C	TX- WID40BL0C
Heating capacity	W	100	150	200	300	400
Power supply	V~Hz	230 1~50-60	230 1~50-60	230 1~50-60	230 1~50-60	230 1~50-60
Dimensions HxWxD	mm	112x80x47	112x80x47	151x119x47	151x119x47	151x119x47
Heating element	-	Highly efficient heating cartridge	Highly efficient heating cartridge	Highly efficient heating cartridge	Highly efficient heating cartridge	Highly efficient heating cartridge
Capacity	m³/h	35	35	108	108	108
Fan	Support	-	Bearings	Bearings	Bearings	Bearings
	Life at 25°C	h	50.000	50.000	50.000	50.000
Electrical protection	-	For a failure on the fan	For a failure on the fan	For a failure on the fan	For a failure on the fan	For a failure on the fan
Air outlet temperature*	°C	45	45	45	45	45
Heating element electrical connection	-	3-pole terminal board	3-pole terminal board	3-pole terminal board	3-pole terminal board	3-pole terminal board
Fan electrical connection	-	2-pole terminal board	2-pole terminal board	2-pole terminal board	2-pole terminal board	2-pole terminal board
Protection class IEC	-	I	I	I	I	I
Protection level EN60529	-	IP20	IP20	IP20	IP20	IP20
Radiator	-	Die-cast aluminium	Die-cast aluminium	Die-cast aluminium	Die-cast aluminium	Die-cast aluminium
Mounting on clip for DIN bar	mm	35	35	35	35	35
Weight	Kg	0.6	0.6	0.9	0.9	0.9
Conformity	-	CE	CE	CE	CE	CE

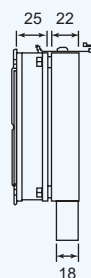
* 50 mm above the element

Accessories / Options	
0-60°C thermostat, NC 10A	TX-AAWTC10
10-60°C thermostat, 10A change-over contact	TX-AAWTS10
RH 35-95% humidistat, 5A change-over contact	TX-AAWHS10

Front Elevation

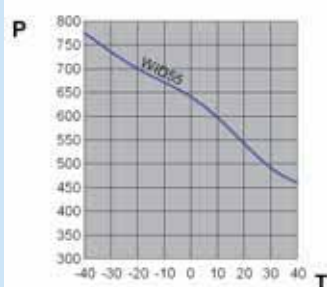


Side Elevation



WID..BL0T **Anticondensation Heaters 350-550 W**

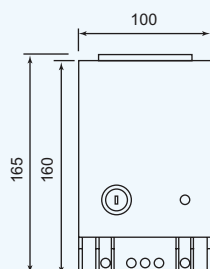
Performance Chart



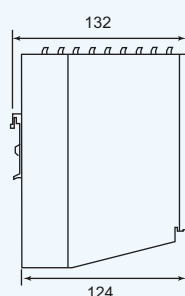
P = Heating Capacity (W)
T = Temperature (°C)



Front Elevation



Side Elevation



Characteristics		M.U.	TX-WID35BL0T	TX-WID55BL0T
Heating capacity*		W	350	550
Power supply		V ~ Hz	230 1~ 50-60	230 1~ 50-60
Max. current		A	7.5	8.5
Dimensions HxWxD		mm	165x100x132	165x100x132
Heating element		-	PTC self-regulated	PTC self-regulated
Fan	Capacity	m³/h	35	45
	Support	-	Bearings	Bearings
Life a 25°C		h	50.000	50.000
Electrical protection		-	For a failure on the fan	For a failure on the fan
Temperature limits		°C	0-60	0-60
Electrical connection		-	2-pole terminal board	2-pole terminal board
Protection class IEC		-	II	II
Protection level EN60529		-	IP20	IP20
Mounting on clip for DIN bar		mm	35	35
Weight		Kg	0.9	1.1
Conformity		-	CE	CE

Accessories / Options

10-60°C thermostat, 10A change-over contact	TX-AAWTS10
RH 35-95% humidistat, 5A change-over contact	TX-AAWHS10

Non-metallic

General Purpose

Stainless Steel

Mining & Hazardous

Switchboard Building

Datacoms

Climate Control

Technical Drawings

Enclosure Selection



ANCILLARY

TEXA WID

TEXA WID Anticondensation Heaters

The Texa WID range are anticondensation heaters available in heating capacities from 10 to 550W, and in configurations for natural and fan forced convection.

They are used in enclosures where low temperature or high humidity may cause condensation to form in the enclosure, damaging equipment.

Safety

Surface temperature is limited via a PTC. This ensures a safe operation and a self-adjusting heating power. All heaters are class 1 and have an IP20 protection rating.

Quick & easy to assemble

Assembly is very quick and easy, with all units designed for click-in installation on 35mm DIN rail.

Reliability & minimal maintenance

The WID fanned units feature fans of an extremely high volumetric efficiency, and have an expected life of 50,000 working hours at an ambient temperature of 25°C.

Wide range

Compact, reliable and highly efficient the WID heater series cover a range of powers from 40 to 550W and are available in three sizes: -

- WID..ZX0X Standard
- WID..ZX0P Standard with cover
- WID..BL0C Ventilated compact
- WID..BL0T Ventilated with built in thermostat



Contact your local B&R office for details
www.brenclosures.com.au



TECHNICAL INFORMATION

WID range anticondensation heaters are available with a range of powers from 40 to 550W. They are also available for a range of power supplies. The table below gives information on the range available, as well as overall dimensions:

Heating Capacity (W)	Power Supply V/Hz	Dimensions (mm)			Comments	Catalogue No
		Height	Width	Depth		
10	110-250 AC/DC	61	50	25	Natural Convection	TX-WID01ZX0X
20	110-250 AC/DC	71	50	25	Natural Convection	TX-WID02ZX0X
30	110-250 AC/DC	81	50	25	Natural Convection	TX-WID03ZX0X
45	110-250 AC/DC	107	70	50	Natural Convection	TX-WID05ZX0X
50	110-250 AC/DC	110	60	90	Nat. Convection with protected surface	TX-WID05ZX0P
100	110-250 AC/DC	182	70	50	Natural Convection	TX-WID10ZX0X
100	110-250 AC/DC	110	60	90	Nat. Convection with protected surface	TX-WID10ZX0P
150	110-250 AC/DC	262	70	50	Natural Convection	TX-WID15ZX0X
150	110-250 AC/DC	150	60	90	Nat. Convection with protected surface	TX-WID15ZX0P
100	230/50-60	112	80	47	Compact Heater	TX-WID10BL0C
150	230/50-60	112	80	47	Compact Heater	TX-WID15BL0C
200	230/50-60	151	119	47	Compact Heater	TX-WID20BL0C
300	230/50-60	151	119	47	Compact Heater	TX-WID30BL0C
400	230/50-60	151	119	47	Compact Heater	TX-WID40BL0C
350	230/50-60	165	100	128	Ventilated c/w thermostat	TX-WID35BL0T
550	230/50-60	165	100	128	Ventilated c/w thermostat	TX-WID55BL0T



ACCESSORIES GUIDE

	Thermostat	Humidistat
WID..ZX0P	•	•
WID..ZX0X	•	•
WID..BL0C	•	•
WID..BL0T	(built in)	•



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