



Texa DLK Ventilating Towers

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Texa DLK Ventilating Towers

brenclosures.com.au/dlk.htm



Texa DLK Features

- Optional temperature control thermostat
- 50,000 hours life expectancy
- Approvals - CE
- Materials
Mild steel powdercoated
- Surface finish - powdercoated
- Protection rating - IP44 (with IP54 option)

The Texa DLK range are roof mounted ventilating towers with air flow capacities from 600 to 4520 m³/h.

Used with the TX-FIL35XN0B filter they provide the air capacity to allow significant cooling using external air.

Inclusions

All fixing required for assembly.

DLK Selection Guide - 115V

Catalogue No	Air Flow Rate (m ³ /h)	Power Supply (V/Ph/Hz)	Dimensions (mm)			Matching Filter
			Height	Width	Depth	
TX-DLK19CX0A	550/590	115/1/50-60	106	375	375	TX-FIL35XN0A
TX-DLK22CX0A	800/950	115/1/50-60	106	375	375	TX-FIL35XN0A

DLK Selection Guide - 240V

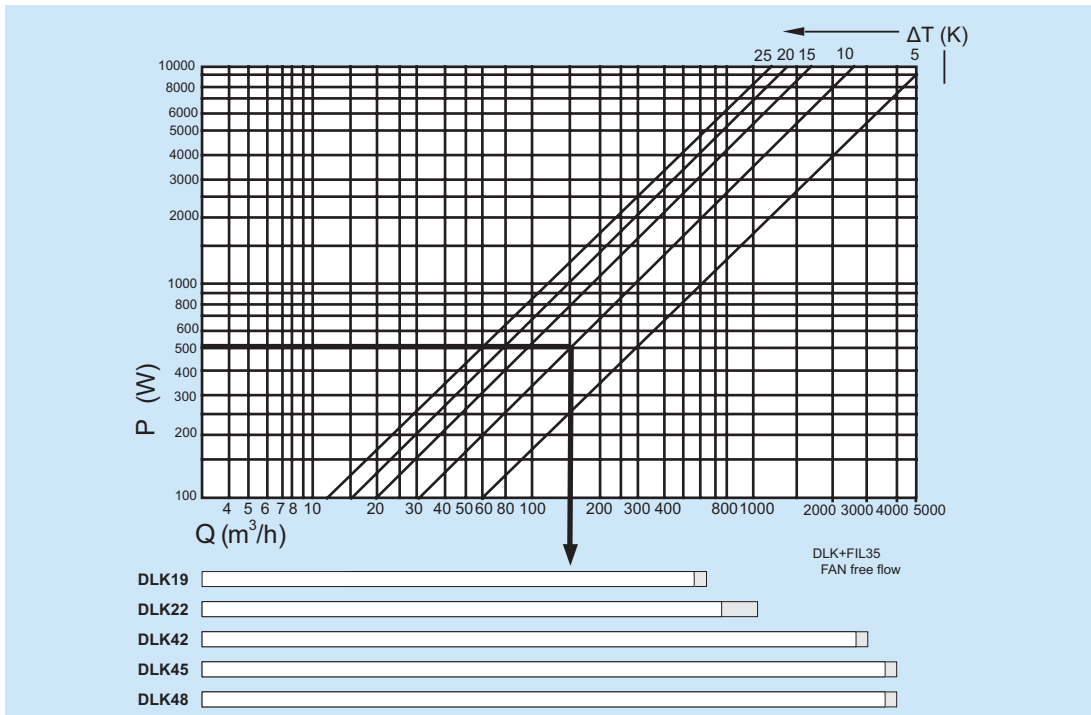
Catalogue No	Air Flow Rate (m ³ /h)	Power Supply (V/Ph/Hz)	Dimensions (mm)			Matching Filter
			Height	Width	Depth	
TX-DLK19BX0A	550/590	230/1/50-60	106	375	375	TX-FIL35XN0A
TX-DLK22BX0A	800/950	230/1/50-60	106	375	375	TX-FIL35XN0A
TX-DLK42BX0A*	2100/2390	230/1/50-60	315	637	637	TX-FIL35XN0A
TX-DLK45CX0A*	2750/3180	230/1/50-60	315	637	637	TX-FIL35XN0A
TX-DLK48BX0A*	3670/4270	230/1/50-60	315	637	637	TX-FIL35XN0A

* Available on request

DLK Selection Guide - Filters

Catalogue No	Air Flow Rate (m ³ /h)	Power Supply (V/Ph/Hz)	Dimensions (mm)		
			Height	Width	Depth
TX-DLR19XX0A	—	—	106	375	375
TX-FIL35XN0A	—	—	325	325	28

Quick Selection Guide



Introduction

General Purpose

Special Purpose

Multiple Application

Datagrams

Ancillary Items

Enclosure Selection

DLK Ventilating Towers

DLK roof ventilation towers are easy to install and have a pleasing and innovative design. They are a good option when there is no room on the enclosure walls, or when the air flow needed for cooling is greater than that provided by the FAN series of ventilated units.

Available Air Flow Rates

Two different sizes are available, producing flow rates of 600 and 1,050 m³/h. Radial fans are used for their high volumetric efficiency. They have an expected life of 50,000 working hours at an ambient temperature of 25°C.

High Protection Level

The covering structures labyrinth configuration and the self-adhesive seal for coupling to the enclosure, provide the DLK/DLR units with an IP44 protection rating.

Quick and Safe Wiring

DLK units are all designed for easy and safe wiring by means of a terminal board.

Natural Ventilating Unit (DLR)

A version is also available without a fan (TX-DLR19XX0A). This is used when natural ventilation is enough to cool the enclosure and you want to maintain its high protection level.

Power Supplies Available

The DLK ventilation towers are available for single-phase AC power at 230V and 115V. On request larger quantities or other voltages can be supplied.

Low Noise

A low noise level was one of the most important factors taken into account when designing the DLK units. They are designed to minimize noise disturbance and to provide a quiet working environment.

Filtering Unit

The DLK ventilation towers are used together with the FIL35XN0A filtering grill to allow a continuous flow of cool air through the enclosure.



Application Tips

- When choosing a DLK ventilation tower, maintain a safety margin of at least 10% to compensate for any decrease in the flow rate, due to fouling of the filter cloth over time.
- If you are using the EU5 high filtering capacity filter, remember that the air flow rate will be less than that given in the graphs following.
- The DLK ventilation tower can be switched on by a thermostat that will power it only when the temperature exceeds a set threshold (e.g. 35°C). In this way, the fan works only when cooling is needed. This saves energy, extends the life of the filter cloth, and reduces maintenance.

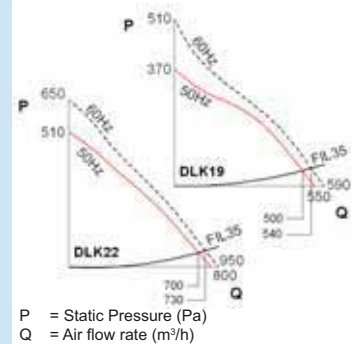
Quick Selection Guide

	DLR	DLK Ventilating Towers			
Air Flow Rate m ³ /h	-	600		1050	
Dimensions mm	H	102	102	102	102
	W	400	400	400	400
	D	350	350	350	350
Power Supply V/ph/Hz	-	230/1/50-60	115/1/50-60	230/1/50-60	115/1/50-60
Catalogue Number	TX-DLR19XX0A	TX-DLK19BX0A	TX-DLK19CX0A	TX-DLK22BX0A	TX-DLK22CX0A
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DLK Ventilating Towers 600-1050 m³/h

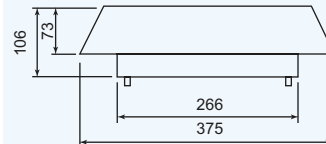


Performance Chart

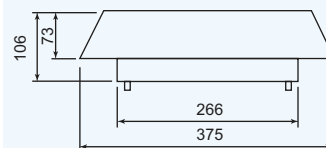


Characteristics	M.U.	TX-DLR19XX0A	TX-DLK19BX0A	TX-DLK19CX0A	TX-DLK22BX0A	TX-DLK22CX0A
Fan air flow rate	m ³ /h	-	600/625	600/625	1050/1085	1050/1085
Fan + tower air flow rate	m ³ /h	-	550/590	550/590	800/950	800/950
Power supply	V~Hz	-	230 1~50-60	115 1~50-60	230 1~50-60	115 1~50-60
Dimensions HxWxD	mm	106x375x375	106x375x375	106x375x375	106x375x375	106x375x375
Absorbed electric power	W	-	70/90	65/80	120/155	110/135
max. current	A	-	0.32/0.4	0.58/0.73	0.52/0.65	1.13/1.42
Over current protection	-	-	Inside motor	Inside motor	Inside motor	Inside motor
Electrical connection	-	-	Cable	Cable	Cable	Cable
Duty cycle	-	-	100%	100%	100%	100%
Temperature limits	°C	-	-20 +60	-20 +60	-20 +60	-20 +60
Protection level EN60529	-	IP44	IP44	IP44	IP44	IP44
Noise level	dB(A)	-	62/64	62/64	72/71	72/71
DLK + FIL35XN0A capacity	m ³ /h	-	500/540	500/540	700/730	700/730
Direction of the air flow	-	-	Outside towards the inside	Outside towards the inside	Outside towards the inside	Outside towards the inside
Motor support	-	-	Bearings	Bearings	Bearings	Bearings
Conformity	-	CE	CE	CE	CE	CE
Colour	-	-	RAL 7032 ripple			

Front Elevation



Side Elevation



Accessories / Options

Pack of 10 cloth filters for FAN35	TX-FIL35XN0A
Pack of 10 cloth filters for FAN35 high filtering capacity	TX-AAFFN35
0-60°C thermostat, NO 10A	TX-AAFTO12
5-60°C thermostat, change-over contact 10A	TX-AAWTS10



ANCILLARY

TEXA DLK

TEXA DLK Ventilating Towers

The Texa DLK range are roof mounted ventilating towers with air flow capacities from 600 to 4520 m³/h.

High performance and capacity

The range of air flowrates that DLK ventilating towers can produce is from 600m³/h to 4520m³/h, which is generally on the higher end of most ventilating requirements. There is also a unit without a fan that is suitable when natural circulation is enough to cool the enclosure.

Quick & easy to assemble

A template is supplied showing where the enclosure needs to be drilled, and all drillings have been designed to be as simple as possible. Importantly, all assembly elements are included in the supply, so there are no hidden extras, no matter what installation is required. Lastly, the DLK series are all designed for easy and safe wiring by means of a terminal board.

Reliability & minimal maintenance

The DLK units have an extremely high volumetric efficiency, and have an expected life of 50,000 working hours at an ambient temperature of 25°C. They are all designed to ensure quick and safe electrical connect via a terminal board.

Maintenance is quick and easy, with ready access to filter cloths.

Protection

The standard cloth filter is an EU4 type which has a filtering efficiency equivalent to 91%. It features a progressive filtering surface made from synthetic fibres. An IP44 protection rating can be maintained as a result of this filter design, and the special self adhesive seal arrangement. An EU5 filter cloth is also available as an optional extra, and improves the filtering efficiency to 97%.



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

TECHNICAL INFORMATION

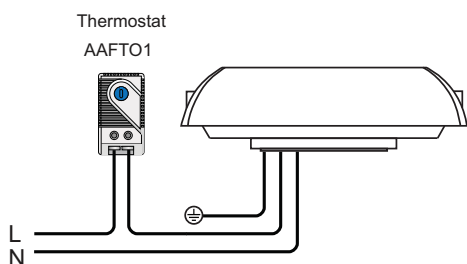
DLK range ventilating units are available for flowrates of between 600 and 4520m³/h. They are also available suitable for a range of power supplies. The table below gives information on the range available, as well as overall dimensions:

Air Flow Rate (m ³ /h)	Power Supply V/ ph/Hz	Dimensions (mm)			Catalogue No
		Height	Width	Depth	
-	-	106	375	375	TX-DLR19XX0A
550/590	230/1/50-60	106	375	375	TX-DLK19BX0A
550/590	115/1/50-60	106	375	375	TX-DLK19CX0A
800/950	230/1/50-60	106	375	375	TX-DLK22BX0A
800/950	115/1/50-60	106	375	375	TX-DLK22CX0A
2100/2390	230/1/50-60	315	637	637	TX-DLK42BX0A
2750/3180	230/1/50-60	315	637	637	TX-DLK45CX0A
3670/4270	230/1/50-60	315	637	637	TX-DLK48BX0A

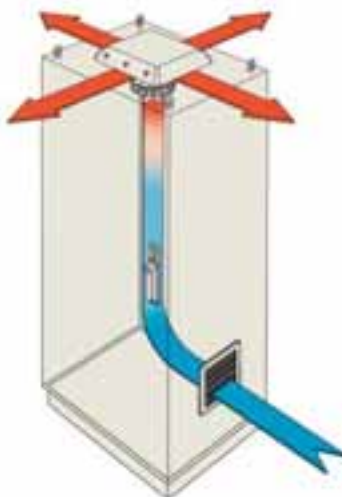


ACCESSORIES GUIDE

Catalogue No	Inlet Vent FIL35XN0B	Cloth Filters EU4	Cloth Filters EU5	Thermostat
TX-DLR19XX0A	•	•	•	•
TX-DLK19BX0A	•	•	•	•
TX-DLK19CX0A	•	•	•	•
TX-DLK22BX0A	•	•	•	•
TX-DLK22CX0A	•	•	•	•
TX-DLK42BX0A	•	•	•	•
TX-DLK45CX0A	•	•	•	•
TX-DLK48BX0A	•	•	•	•



Control diagram of a ventilated tower with AAFTO12 Thermostat



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