

Blow Through Low profile units

Agriculture storage cooler



The BTL range of units are based upon AIA's industrial EVFI/CBFI series and has been specially designed for refrigerated storage rooms for agricultural products.

The BTL series is a blow through unit which has been optimised for air temperatures around 0°C and small Δt to avoid product dehydration.

Refrigerants	all H(C)FC, brine
Capacities	16 up to 62 kW*
Air volume	3.75 to 13.06m ³ /s

*Higher capacity on request

Standard Features

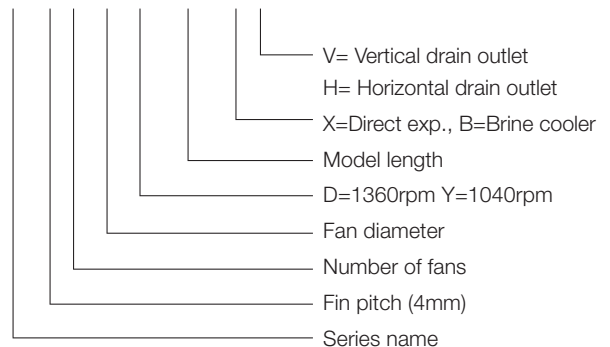
- High surface area 16 mm copper tube/aluminium coil geometry
- Offered with 4 or 7 mm fin pitch
- Aluminium casework (Corrosion class C4)
- Equipped with Schrader valve
- Quick-release panels
- Hinged drain tray
- Heat exchanger pressure tested in compliance with 97/23/EC. Allowable pressure DX 30 bar. Allowable pressure Brine 10 bar.
- 3-10 fans
- Fan diameter 450 mm
- 3~400V 50Hz IP54 motors with either 4 or 6 pole Delta/Star connection (1360/1040 rpm)
- Motor protection by thermal contact

Options

- Epoxy coated aluminium fins
- Copper fins
- 3~230V 50Hz
- Electric defrost, 1~/230V 50Hz
 - E1 * coil and drain tray
 - E2 only drain tray

* Electric coil heaters available up to size 5530. Off cycle, hot gas or warm fluid defrost only on sizes greater than 5530.

BTL 4-8-45-D-8130-X-V



BTL model with 4mm fin space 1360rpm

Model	Nr of fans	Capacity kW	Air flow m³/s	Tube vol. l	Surface m²	Dry weight kg	Defrost drip tray kW	Defrost coil kW
2730	3	17,2	3,75	35	205,6	164	2,6	20,8
3330	4	21,2	4,97	43	257,0	198	3,0	27,0
3930	4	24,6	5,11	52	308,4	221	2,9	29,0
4230	5	28,9	6,25	56	334,1	265	4,0	32,0
5530	6	35,5	7,50	74	445,4	345	4,0	44,0
5530	8	39,6	9,31	74	445,4	365	4,0	44,0
6830	8	45,2	10,00	92	556,8	435	5,6	-
8130	10	57,7	12,50	110	668,1	495	6,6	-

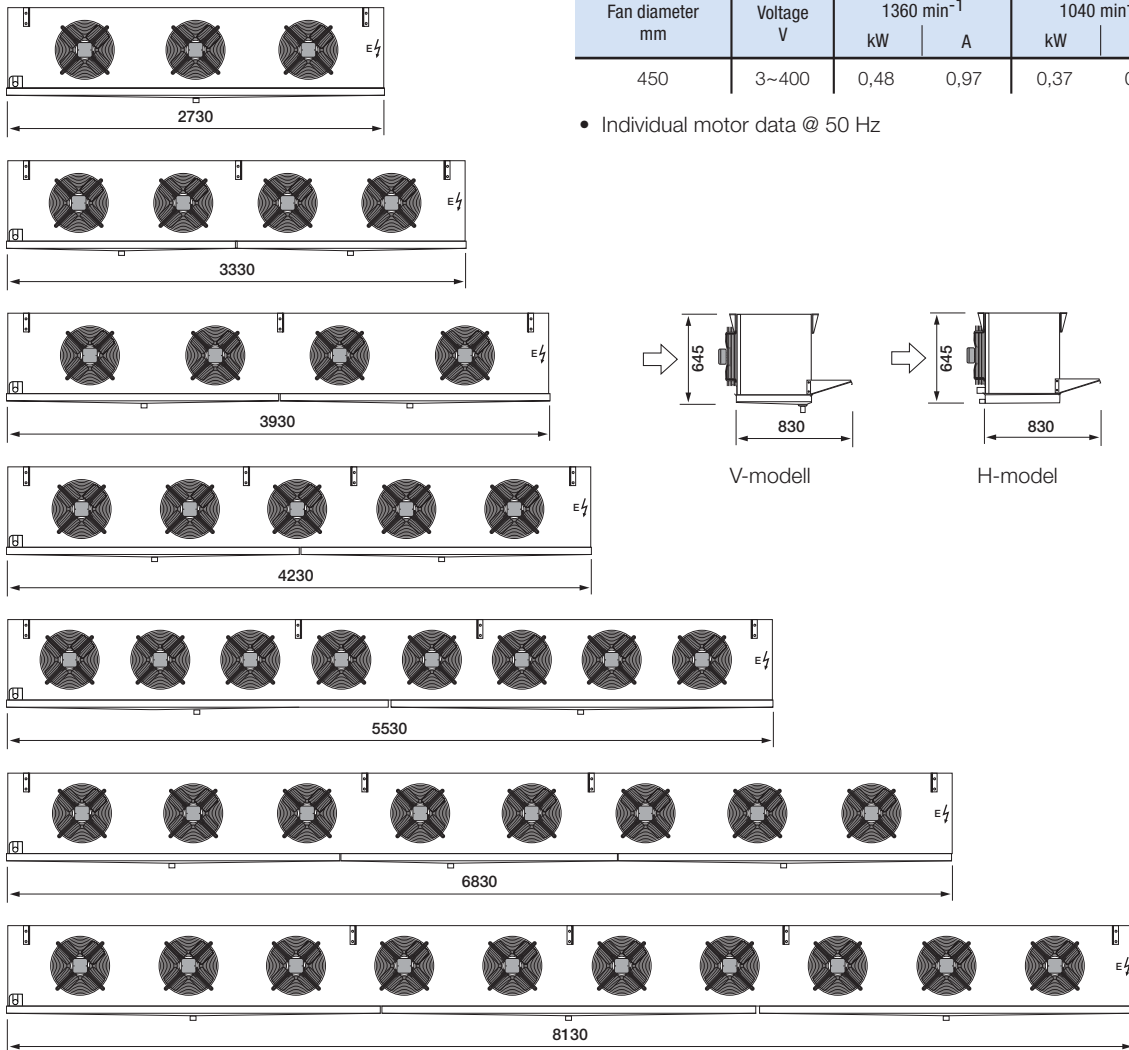
DX cooler capacity is based on R404A t2 = -4 and Δt1 = 6K (air inlet +2°C/85%)

BTL model with 7mm fin space 1360rpm

Model	Nr of fans	Capacity kW	Air flow m³/s	Tube vol. l	Surface m²	Dry weight kg	Defrost drip tray kW	Defrost coil kW
2730	3	17,6	3,96	35	121,1	133	2,6	13,0
3330	4	21,7	5,14	43	151,5	169	3,0	15,0
3930	4	25,6	5,42	52	181,9	192	2,9	17,4
4230	5	29,4	6,60	56	197,2	215	4,0	20,0
5530	6	36,5	8,06	74	262,7	267	4,0	26,0
5530	8	41,2	10,00	74	262,7	287	4,0	26,0
6830	8	46,3	10,56	92	328,5	340	5,6	-
8130	10	58,5	13,06	110	394,3	393	6,6	-

DX cooler capacity is based on R404A t2 = -5 and Δt1 = 7K (air inlet +2°C/85%)

Dimensions



Motor Data

Fan diameter mm	Voltage V	Fan speed			
		1360 min ⁻¹		1040 min ⁻¹	
		kW	A	kW	A
450	3~400	0,48	0,97	0,37	0,66

- Individual motor data @ 50 Hz