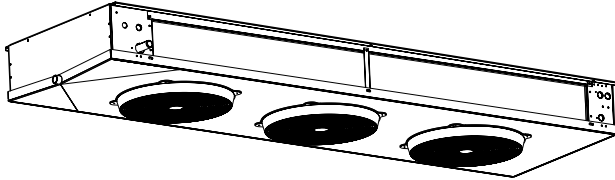




# BTL Two-Way Low Profile Evaporators

**60**  
Hz



## DEFROST KIT & FUSE PACKAGE SELECTION GUIDE

Bulletin B30-BTL-DFK


**PRODUCT SUPPORT**  
 web: [www.b-rp.ca/btl](http://www.b-rp.ca/btl)  
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**Defrost Kit &  
Fuse Package  
Online Selection Tool:**

**[www.b-rp.ca/dfk](http://www.b-rp.ca/dfk)**

### NOMENCLATURE

**BTL 115 M A - S1 A**

**Product Name** \_\_\_\_\_  
 Two Way Low Profile Evaporator

**X 100 = Nominal Capacity** \_\_\_\_\_  
 (10°F TD, 60Hz), Btu/H

**Evap Temp Range** \_\_\_\_\_  
 M = Medium Temp (10 - 45°F), 8 FPI.  
 L = Low Temp (-20 - 0°F), 8 FPI.

Design Version

**Unit Electrical Designation**  
 S1 = 115/1/60  
 S2 = 208-230/1/60  
 S6 = 200-220/1/50

**Defrost Type**  
 A = Air Defrost  
 E = Electric Defrost

**Medium Temperature, 6 FPI, with Standard Shaded Pole Motors**

TEMP	FPI	# of Fans	Model BTL	Voltage	1 X EVAPORATOR		2 X EVAPORATOR	
					Defrost Kit	Fuse Package	Defrost Kit	Fuse Package
ME - MEDIUM TEMPERATURE	6	1	010ME-S1A	115/1/60	DFK-01	FP-001	DFK-05	FP-004
			010ME-S2A	208-230/1/60	DFK-02	FP-004	DFK-06	FP-008
			015ME-S1A	115/1/60	DFK-01	FP-001	DFK-05	FP-004
			015ME-S2A	208-230/1/60	DFK-02	FP-004	DFK-06	FP-008
			020ME-S1A	115/1/60	DFK-01	FP-001	DFK-05	FP-004
			020ME-S2A	208-230/1/60	DFK-02	FP-004	DFK-06	FP-008
			025ME-S1A	115/1/60	DFK-01	FP-001	DFK-05	FP-004
			025ME-S2A	208-230/1/60	DFK-02	FP-004	DFK-06	FP-008
			032ME-S1A	115/1/60	DFK-01	FP-001	DFK-05	FP-004
		032ME-S2A	208-230/1/60	DFK-02	FP-004	DFK-06	FP-008	
		038ME-S1A	115/1/60	DFK-01	FP-001	DFK-05	FP-004	
		038ME-S2A	208-230/1/60	DFK-02	FP-004	DFK-06	FP-008	
		060ME-S1A	115/1/60	DFK-01	FP-001	DFK-05	FP-004	
		060ME-S2A	208-230/1/60	DFK-02	FP-004	DFK-06	FP-008	
		077ME-S1A	115/1/60	DFK-01	FP-002	DFK-05	FP-006	
		077ME-S2A	208-230/1/60	DFK-02	FP-004	DFK-06	FP-008	
		115ME-S1A	115/1/60	DFK-01	FP-003	DFK-05	FP-007	
		115ME-S2A	208-230/1/60	DFK-02	FP-004	DFK-06	FP-008	

**Low Temperature, 6 FPI, with Standard Shaded Pole Motors**

TEMP	FPI	# of Fans	Model BTL	Voltage	1 X EVAPORATOR		2 X EVAPORATOR	
					Defrost Kit	Fuse Package	Defrost Kit	Fuse Package
LE - LOW TEMPERATURE	6	1	009LE-S1A	115/1/60	DFK-01	FP-001	DFK-05	FP-004
			009LE-S2A	208-230/1/60	DFK-02	FP-004	DFK-06	FP-008
			013LE-S1A	115/1/60	DFK-01	FP-001	DFK-05	FP-004
			013LE-S2A	208-230/1/60	DFK-02	FP-004	DFK-06	FP-008
			017LE-S1A	115/1/60	DFK-01	FP-001	DFK-05	FP-004
			017LE-S2A	208-230/1/60	DFK-02	FP-004	DFK-06	FP-008
			021LE-S1A	115/1/60	DFK-01	FP-001	DFK-05	FP-004
			021LE-S2A	208-230/1/60	DFK-02	FP-004	DFK-06	FP-008
			028LE-S1A	115/1/60	DFK-01	FP-001	DFK-05	FP-004
		028LE-S2A	208-230/1/60	DFK-02	FP-004	DFK-06	FP-008	
		033LE-S1A	115/1/60	DFK-01	FP-001	DFK-05	FP-004	
		033LE-S2A	208-230/1/60	DFK-02	FP-004	DFK-06	FP-008	
		052LE-S1A	115/1/60	DFK-01	FP-001	DFK-05	FP-004	
		052LE-S2A	208-230/1/60	DFK-02	FP-004	DFK-06	FP-008	
		066LE-S1A	115/1/60	DFK-01	FP-002	DFK-05	FP-006	
		066LE-S2A	208-230/1/60	DFK-02	FP-004	DFK-06	FP-008	
		099LE-S1A	115/1/60	DFK-01	FP-003	DFK-05	FP-007	
		099LE-S2A	208-230/1/60	DFK-02	FP-004	DFK-06	FP-008	

**Medium Temperature, 6 FPI, with optional EC Motors**

TEMP	FPI	# of Fans	Model BTL	Voltage	1 X EVAPORATOR		2 X EVAPORATOR	
					Defrost Kit	Fuse Package	Defrost Kit	Fuse Package
ME - MEDIUM	6	1	033LE-S1A-ECM	115/1/60	DFK-01	FP-001	DFK-05	FP-004
			033LE-S2A-ECM	208-230/1/60	DFK-02	FP-004	DFK-06	FP-008
		2	052LE-S1A-ECM	115/1/60	DFK-01	FP-001	DFK-05	FP-004
			052LE-S2A-ECM	208-230/1/60	DFK-02	FP-004	DFK-06	FP-008
			066LE-S1A-ECM	115/1/60	DFK-01	FP-002	DFK-05	FP-006
			066LE-S2A-ECM	208-230/1/60	DFK-02	FP-004	DFK-06	FP-008
	3	099LE-S1A-ECM	115/1/60	DFK-01	FP-003	DFK-05	FP-007	
		099LE-S2A-ECM	208-230/1/60	DFK-02	FP-004	DFK-06	FP-008	

**Low Temperature, 6 FPI, with optional EC Motors**

TEMP	FPI	# of Fans	Model BTL	Voltage	1 X EVAPORATOR		2 X EVAPORATOR	
					Defrost Kit	Fuse Package	Defrost Kit	Fuse Package
LE - LOW	6	1	038ME-S1A-ECM	115/1/60	DFK-01	FP-001	DFK-05	FP-004
			038ME-S2A-ECM	208-230/1/60	DFK-02	FP-004	DFK-06	FP-008
		2	060ME-S1A-ECM	115/1/60	DFK-01	FP-001	DFK-05	FP-004
			060ME-S2A-ECM	208-230/1/60	DFK-02	FP-004	DFK-06	FP-008
			077ME-S1A-ECM	115/1/60	DFK-01	FP-002	DFK-05	FP-006
			077ME-S2A-ECM	208-230/1/60	DFK-02	FP-004	DFK-06	FP-008
	3	115ME-S1A-ECM	115/1/60	DFK-01	FP-003	DFK-05	FP-007	
		115ME-S2A-ECM	208-230/1/60	DFK-02	FP-004	DFK-06	FP-008	

**Defrost Kits**

Number of Evaps.	Kit Part Number	Description
1	<b>DFK-01</b>	Time Clock, HtrCont - 1x 40A (3P), FB 1x 30A (1P)
1	<b>DFK-02</b>	Time Clock, HtrCont - 1x 40A (3P), FB 1x 30A (2P)
1	<b>DFK-03</b>	Time Clock, HtrCont - 1x 40A (3P), FB 1x 30A (3P)
1	<b>DFK-04</b>	Time Clock, HtrCont - 1x 40A (3P), FB 1x 60A (2P)
2	<b>DFK-05</b>	Time Clock, HtrCont - 1x 40A (3P), FB 2x 30A (1P)
2	<b>DFK-06</b>	Time Clock, HtrCont - 1x 40A (3P), FB 2x 30A (2P)
2	<b>DFK-07</b>	Time Clock, HtrCont - 1x 40A (3P), FB 2x 30A (3P)
2	<b>DFK-08</b>	Time Clock, HtrCont - 1x 50A (3P), FB 2x 60A (2P)
2	<b>DFK-09</b>	Time Clock, HtrCont - 1x 50A (3P), FB 2x 30A (2P)
1	<b>DFK-10</b>	Time Clock, HtrCont - 1x 40A (3P), FanCont - 1x 40A (3P), FB 2x 30A (2P)
1	<b>DFK-11</b>	Time Clock, HtrCont - 1x 40A (3P), FanCont - 1x 40A (3P), FB 2x 30A (3P)
2	<b>DFK-12</b>	Time Clock, HtrCont - 1x 40A (3P), FanCont - 1x 40A (3P), FB 4x 30A (2P)
2	<b>DFK-13</b>	Time Clock, HtrCont - 1x 40A (3P), FanCont - 1x 40A (3P), FB 4x 30A (3P)
1	<b>DFK-14</b>	Time Clock, HtrCont - 1x 40A (3P), FanCont - 1x 40A (3P), FB 1x 30A (2P), FB 1x 30A (3P)
1	<b>DFK-15</b>	Time Clock, HtrCont - 1x40A (3P), FanCont - 1x 40A (3P), FB 1x 30A (2P), FB 1x 60A (2P)
1	<b>DFK-16</b>	Time Clock, HtrCont - 1x 40A (3P), FanCont - 1x 40A (3P), FB 1x 30A (2P), FB 1x 60A (3P)
1	<b>DFK-17</b>	Time Clock, HtrCont - 1x 40A (3P), FanCont - 1x 40A (3P), FB 1x 30A (3P), FB 1x 60A (3P)
2	<b>DFK-18</b>	Time Clock, HtrCont - 1x 40A (3P), FanCont - 1x 40A (3P), FB 2x 30A (2P), FB 2x 30A (3P)
2	<b>DFK-19</b>	Time Clock, HtrCont - 1x 50A (3P), FanCont - 1x 40A (3P), FB 4x 30A (2P)
2	<b>DFK-20</b>	Time Clock, HtrCont - 1x 50A (3P), FanCont - 1x 40A (3P), FB 4x 30A (3P)
1	<b>DFK-21</b>	Time Clock, HtrCont - 1x 50A (3P), FanCont - 1x 40A (3P), FB 1x 30A (2P), FB 1x 60A (2P)
1	<b>DFK-22</b>	Time Clock, HtrCont - 1x 50A (3P), FanCont - 1x 40A (3P), FB 1x 30A (3P), FB 1x 60A (3P)
2	<b>DFK-23</b>	Time Clock, HtrCont - 1x 50A (3P), FanCont - 1x 40A (3P), FB 2x 30A (2P), FB 2x 30A (3P)
2	<b>DFK-24</b>	Time Clock, HtrCont - 1x 50A (3P), FanCont - 1x 40A (3P), FB 2x 30A (3P), FB 2x 60A (3P)
1	<b>DFK-25</b>	Time Clock, HtrCont - 2x 40A (3P), FanCont - 1x 40A (3P), FB 1x 30A (2P), FB 2x 60A (2P)
1	<b>DFK-26</b>	Time Clock, HtrCont - 2x 40A (3P), FanCont - 1x 40A (3P), FB 1x 30A (3P), FB 2x 60A (3P)
2	<b>DFK-27</b>	Time Clock, HtrCont - 2x 40A (3P), FanCont - 1x 40A (3P), FB 2x 30A (2P), FB 2x 60A (2P)
2	<b>DFK-28</b>	Time Clock, HtrCont - 2x 40A (3P), FanCont - 1x 40A (3P), FB 2x 30A (2P), FB 2x 60A (3P)
2	<b>DFK-29</b>	Time Clock, HtrCont - 2x 40A (3P), FanCont - 1x 40A (3P), FB 2x 30A (3P), FB 2x 60A (3P)
2	<b>DFK-30</b>	Time Clock, HtrCont - 2x 40A (3P), FanCont - 1x 50A (3P), FB 2x 30A (2P), FB 2x 60A (3P)
1	<b>DFK-31</b>	Time Clock, HtrCont - 2x 50A (3P), FanCont - 1x 40A (3P), FB 1x 30A (3P), FB 2x 60A (3P)
2	<b>DFK-32</b>	Time Clock, HtrCont - 2x 50A (3P), FanCont - 1x 40A (3P), FB 2x 30A (2P), FB 2x 60A (2P)
2	<b>DFK-33</b>	Time Clock, HtrCont - 2x 50A (3P), FanCont - 1x 40A (3P), FB 2x 30A (3P), FB 2x 60A (3P)
2	<b>DFK-34</b>	Time Clock, HtrCont - 4x 40A (3P), FanCont - 1x 40A (3P), FB 2x 30A (2P), FB 4x 60A (2P)
2	<b>DFK-35</b>	Time Clock, HtrCont - 4x 40A (3P), FanCont - 1x 40A (3P), FB 2x 30A (3P), FB 4x 60A (3P)
2	<b>DFK-36</b>	Time Clock, HtrCont - 4x 40A (3P), FanCont - 1x 50A (3P), FB 2x 30A (2P), FB 4x 60A (2P)
2	<b>DFK-37</b>	Time Clock, HtrCont - 4x 40A (3P), FanCont - 1x 50A (3P), FB 2x 30A (3P), FB 4x 60A (3P)
2	<b>DFK-38</b>	Time Clock, HtrCont - 4x 50A (3P), FanCont - 1x 50A (3P), FB 2x 30A (3P), FB 4x 60A (3P)
1	<b>DFK-39</b>	Time Clock, HtrCont1 - 1x 40A (3P), HtrCont2 - 2x 50A (3P), FanCont - 1x 40A (3P), FB 4x 60A (3P)

NOTE: HtrCont = Heater Contactor, FanCont = Fan Contactor, FB = Fuse Block, (1P), (2P), (3P) = Number of Poles

**Fuse Packages**

Package Part Number	Description
FP-001	FUSES (1) 15AMP
FP-002	FUSES (1) 20AMP
FP-003	FUSES (1) 25AMP
FP-004	FUSES (2) 15AMP
FP-006	FUSES (2) 20AMP
FP-007	FUSES (2) 25AMP
FP-008	FUSES (4) 15AMP
FP-010	FUSES (4) 25AMP
FP-012	FUSES (2) 35AMP
FP-013	FUSES (3) 15AMP
FP-014	FUSES (3) 20AMP
FP-015	FUSES (4) 20AMP
FP-016	FUSES (4) 20AMP (6) 45AMP
FP-017	FUSES (4) 35AMP
FP-018	FUSES (6) 15AMP
FP-019	FUSES (6) 20AMP
FP-020	FUSES (2) 30AMP
FP-021	FUSES (4) 30AMP
FP-022	FUSES (8) 15AMP
FP-023	FUSES (2) 25AMP (3) 50AMP
FP-024	FUSES (2) 20AMP (3) 45AMP
FP-025	FUSES (6) 20AMP (6) 60AMP
FP-026	FUSES (6) 15AMP (12) 40AMP
FP-027	FUSES (6) 15AMP (6) 40AMP
FP-028	FUSES (6) 20AMP (12) 40AMP
FP-029	FUSES (6) 15AMP (6) 50AMP
FP-030	FUSES (6) 15AMP (6) 45AMP
FP-031	FUSES (6) 15AMP (6) 35AMP
FP-032	FUSES (6) 15AMP (6) 30AMP
FP-033	FUSES (6) 25AMP (12) 50AMP
FP-034	FUSES (6) 20AMP (12) 35AMP
FP-035	FUSES (4) 25AMP (6) 50AMP
FP-036	FUSES (6) 25AMP (12) 60AMP
FP-037	FUSES (6) 20AMP (12) 60AMP
FP-038	FUSES (6) 20AMP (12) 50AMP
FP-039	FUSES (6) 20AMP (12) 45AMP
FP-040	FUSES (6) 15AMP (12) 45AMP
FP-041	FUSES (5) 15AMP
FP-042	FUSES (10) 15AMP
FP-043	FUSES (3) 25AMP (6) 60AMP
FP-044	FUSES (3) 20AMP (6) 60AMP
FP-045	FUSES (3) 20AMP (6) 50AMP
FP-046	FUSES (3) 25AMP (6) 45AMP
FP-047	FUSES (3) 15AMP (6) 45AMP
FP-048	FUSES (4) 15AMP (4) 45AMP
FP-049	FUSES (4) 15AMP (4) 40AMP
FP-050	FUSES (3) 15AMP (3) 60AMP
FP-051	FUSES (4) 20AMP (6) 50AMP
FP-052	FUSES (4) 15AMP (6) 45AMP
FP-053	FUSES (4) 15AMP (6) 30AMP

Package Part Number	Description
FP-054	FUSES (3) 15AMP (6) 35AMP
FP-055	FUSES (2) 15AMP (2) 45AMP
FP-056	FUSES (2) 15AMP (2) 40AMP
FP-057	FUSES (2) 20AMP (3) 50AMP
FP-058	FUSES (2) 15AMP (3) 45AMP
FP-059	FUSES (2) 15AMP (3) 30AMP
FP-060	FUSES (2) 15AMP (2) 35AMP
FP-061	FUSES (2) 15AMP (2) 50AMP
FP-062	FUSES (2) 15AMP (2) 60AMP
FP-063	FUSES (2) 15AMP (3) 25AMP
FP-064	FUSES (2) 15AMP (3) 35AMP
FP-065	FUSES (2) 15AMP (3) 40AMP
FP-066	FUSES (2) 15AMP (3) 20AMP
FP-067	FUSES (4) 15AMP (4) 35AMP
FP-068	FUSES (4) 15AMP (4) 50AMP
FP-069	FUSES (4) 15AMP (4) 60AMP
FP-070	FUSES (4) 15AMP (6) 25AMP
FP-071	FUSES (4) 15AMP (6) 35AMP
FP-072	FUSES (4) 15AMP (6) 40AMP
FP-073	FUSES (4) 15AMP (6) 20AMP
FP-074	FUSES (3) 20AMP (3) 60AMP
FP-075	FUSES (3) 20AMP (6) 35AMP
FP-076	FUSES (3) 25AMP (6) 50AMP
FP-077	FUSES (3) 35AMP (9) 45AMP
FP-078	FUSES (3) 15AMP (3) 35AMP
FP-079	FUSES (3) 15AMP (3) 45AMP
FP-080	FUSES (3) 15AMP (3) 50AMP
FP-081	FUSES (3) 20AMP (6) 40AMP
FP-082	FUSES (3) 15AMP (3) 40AMP
FP-083	FUSES (3) 15AMP (6) 40AMP
FP-084	FUSES (6) 15AMP (6) 60AMP
FP-085	FUSES (6) 15AMP (12) 35AMP
FP-086	FUSES (3) 35AMP (3) 45AMP (6) 60AMP
FP-087	FUSES (4) 20AMP (4) 40AMP (4) 50AMP
FP-088	FUSES (4) 15AMP (4) 35AMP (4) 40AMP
FP-089	FUSES (2) 20AMP (2) 40AMP (2) 50AMP
FP-090	FUSES (2) 15AMP (2) 35AMP (2) 40AMP
FP-091	FUSES (2) 20AMP (2) 35AMP (2) 40AMP
FP-092	FUSES (2) 25AMP (2) 40AMP (2) 50AMP
FP-093	FUSES (4) 20AMP (4) 35AMP (4) 40AMP
FP-094	FUSES (6) 15AMP (6) 25AMP
FP-095	FUSES (3) 15AMP (3) 25AMP
FP-096	FUSES (3) 15AMP (3) 30AMP
FP-097	FUSES (4) 15AMP (4) 30AMP
FP-098	FUSES (4) 15AMP (4) 25AMP
FP-099	FUSES (4) 15AMP (4) 20AMP
FP-100	FUSES (2) 15AMP (2) 20AMP
FP-101	FUSES (2) 15AMP (2) 25AMP
FP-102	FUSES (2) 15AMP (2) 30AMP
FP-103	FUSES (4) 25AMP (4) 40AMP (4) 50AMP

NOTE: FUSES 30AMP and Below - Class CC Type, FUSES 35AMP and Above - Class J Type

**PRODUCT SUPPORT**

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*email:* [evaps@b-rp.ca](mailto:evaps@b-rp.ca)  
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