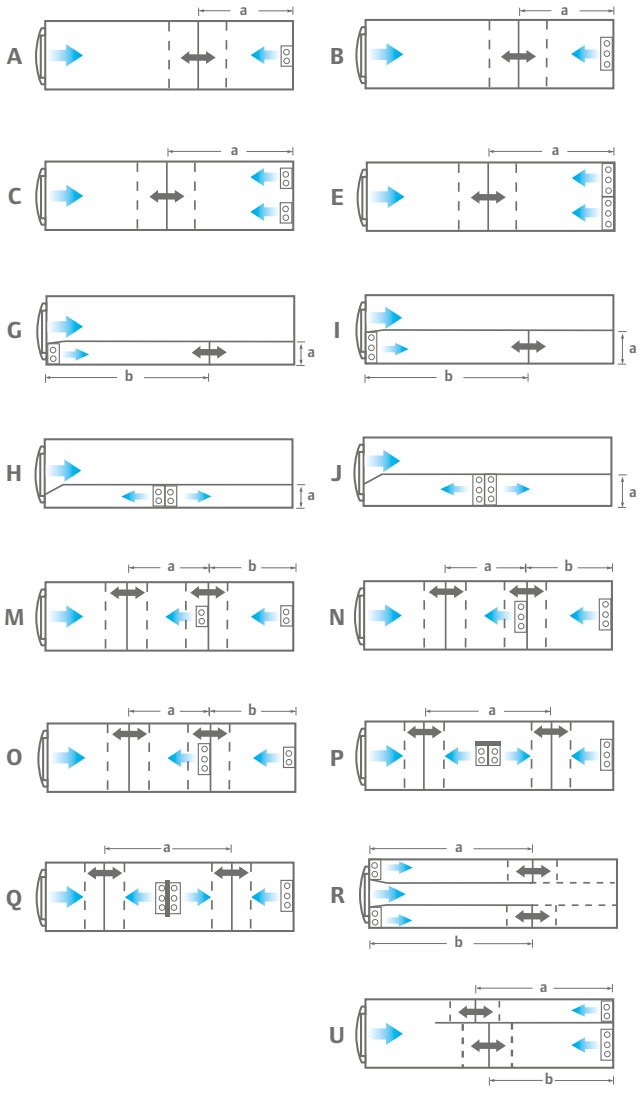
THERMO KING

SLXe Spectrum

Multi-temperature configuration guide

Configuration



CONFIGURATION	DIMENSION	EVAPORATOR/S			
		S-2	S-3	S-2 + S-2	S-3 + S-3
A OR B	a	3.5	5.3		
C OR E	a			7.1	9.5
G OR I	a : b	0.8 : 9.5	1.25 : 9.5		
H OR J	a			0.8	1.25
M, N OR O	a	3.5	5.3		
M, N OR O	b	3.5	5.3		
P OR Q	a			7.1	9.5
R	a	9.5			
U	a	9.5			
U	b		8.0		

Good practice

Maximum number of fans per system

- The trailer host will support a maximum of nine evaporator fans.

Evaporator location

- The best airflow is achieved when a remote evaporator is installed equidistant from each side wall.
- In full-length lane applications, evaporators installed back-to-back will require less pipe-work to install, and will provide better air distribution as the air-streams are not "competing".
- Remote Evaporators: We recommend to leave a minimum distance of 1300 mm (1 pallet + 100 mm approximately) between the discharge of the remote evaporator and the moveable bulkhead.
- Host Unit: We recommend to leave a minimum distance of 2500 mm (2 pallets + 100 mm) between the discharge of the Host Unit and the moveable bulkhead.
- Side covers are OPTIONAL with Spectrum Trailer remote evaporators.
- A minimum of 100 mm clearance must be provided between the top of the load and the air intake of a remote evaporator.

Defrost Drainage

- Drain tubes must have a continuous downward gradient of at least 8 degrees from the evaporator to the wall.
- Where remote evaporators are transverse (blowing across the box), optional Drain Kit 880041 is recommended. This kit routes drain water from the conventional side exit to the back of the evaporator.

Host Unit Return Air

- In lane configurations, care must be taken to avoid the inner walls and floor obstructing return air to the host. Not only is host performance impaired, but temperature management will suffer too if return air does not flow over the return air sensor.

Door Switches

- Door switches automatically turn off remote evaporators when the corresponding door is opened. This avoids the entry of warm, moist air into the load space. Door switches are recommended for all multi-temp installations.

Door Curtains

- It is always recommended to use good quality insulated curtains on all doors to limit the amount of warm, moist air entering the load space during door openings.

Maximum recommended dimensions (m)

N.B. These are guidelines based on airflow and air velocity requirements.
For each application, a heat load calculation must be performed.
All calculations are based upon the following assumptions:
Trailer wall k value = 0.4W/m^{2}K
Internal trailer length up to 13.5 m, height up to 2.5 m, width up to 2.5 m.
Zero heat load from produce carried.

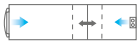
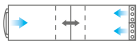
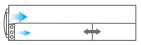
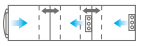
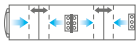
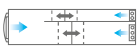
For information on configurations not shown here,
contact your Thermo King Area Sales/Service Manager.

Ingersoll Rand

THERMO KING

SLXe Spectrum

Multi-temperature configuration guide

CONFIGURATION	KIT 1	KIT 2	KIT 3	KIT 4	2 ZONES
A	800635				
B	800635	800637			
C	800638				
E	800638	800637			
G	800928				
H	800931				
I	800928	800637			
J	800931	800637			
CONFIGURATION	**KIT 1**	**KIT 2**	**KIT 3**	**KIT 4**	**3 ZONES**
M	800929				
N	800929	800637	800637		
O	800929	800637			
P	800931	800635	800637		
Q	800931	800635	800637	800637	
R	800930				
U	800636	800637			

Side Cover Kit	Option 720040
Transverse Drain Kit	Option 880041

Ingersoll Rand