

Chilled

Size	PUF Thickness (mm)	Back up (Hours)	Min. Refrigerant Temp. (°C)	Refrigeration Capacity (KW)	No. of thermoTab™ active 1370C Plates Required	Total weight of plates (kgs)	thermoTab™ active 1370C Plate Dimensions (mm)
8 ft	100	10	-15	1.02	4	244	1290 x 690 x 49
	100	16	-15	1.37	5	305	
	150	10	-15	0.82	3	183	
	150	16	-15	1.1	4	244	
10 ft	100	10	-15	1.12	4	244	1290 x 690 x 49
	100	16	-15	1.53	6	366	
	150	10	-15	0.89	3	183	
	150	16	-15	1.16	4	244	
14 ft	100	10	-15	1.31	5	305	1290 x 690 x 49
	100	16	-15	1.84	7	427	
	150	10	-15	1.02	4	244	
	150	16	-15	1.37	5	305	

ASSUMPTIONS:

- 1 PCM charging duration: **10 hours**
- 2 No. of doors: **1**
- 3 Door opening duration: **30 mins** throughout the operation
- 4 Factor of safety: **15%**
- 5 Ambient Temp.: **40°C**

Frozen

Size	PUF Thickness (mm)	Back up (Hours)	Min. Refrigerant Temp. (°C)	Refrigeration Capacity (KW)	No. of thermoTab™ active 1370F Plates Required	Total weight of plates (kgs)	thermoTab™ active 1370F Plate Dimensions (mm)
8 ft	100	10	-38	1.92	8	512	1290 x 690 x 49
	100	16	-38	2.49	10	640	
	150	10	-38	1.6	7	448	
	150	16	-38	1.98	8	512	
10 ft	100	10	-38	2.07	9	576	1290 x 690 x 49
	100	16	-38	2.74	11	704	
	150	10	-38	1.7	7	448	
	150	16	-38	2.15	9	576	
14 ft	100	10	-38	2.39	10	640	1290 x 690 x 49
	100	16	-38	3.25	13	832	
	150	10	-38	1.91	8	512	
	150	16	-38	2.49	10	640	

ASSUMPTIONS:

- 1** PCM charging duration: **10 hours**
- 2** No. of doors: **1**
- 3** Door opening duration: **30 mins** throughout the operation
- 4** Factor of safety: **15%**
- 5** Ambient Temp.: **40°C**