

Convenience Store Quick Sizing Guide for Glass Door Merchandisers

Number of Glass Doors	Walk-In Room Size			Qty	RDI Model	Voltage	Qty	RDI Evap Asm Item #	Voltage	Req'd Room BTUH	BTUH @ Ambient 95°F	Walk-In Room Temperature
	L	W	H									
Coolers				Hermetics								
4	11' 3"	10'	10'	1	PR299MOP-3	208-230/3/60	1	AM46-230-1EC-PR-4	115/1/60	16,305	23,847	35°F
5	13' 9"	10'	10'	1	PR299MOP-3	208-230/3/60	1	AM46-230-1EC-PR-4	115/1/60	19,835	23,847	35°F
6	16' 9"	10'	10'	1	PR299MOP-3	208-230/3/60	2	AM26-115-1EC-PR-4T	115/1/60	22,742	23,847	35°F
7	18' 0"	10'	10'	1	PR349MOP-3	208-230/3/60	2	AM26-115-1EC-PR-4T	115/1/60	25,087	27,034	35°F
8	21' 6"	10'	10'	1	PR399MOP-3	208-230/3/60	2	AM26-145-1EC-PR-4T	115/1/60	27,639	36,889	35°F
9	24' 0"	10'	10'	1	PR399MOP-3	208-230/3/60	2	AM26-145-1EC-PR-4T	115/1/60	28,097	36,889	35°F
10	26' 8"	10'	10'	1	PR399MOP-3	208-230/3/60	3	AM26-115-1EC-PR-4T	115/1/60	32,698	36,889	35°F
11	29' 0"	10'	10'	1	PR499MOP-3	208-230/3/60	3	AM26-115-1EC-PR-4T	115/1/60	37,178	42,850	35°F
12	31' 8"	10'	10'	1	PR499MOP-3	208-230/3/60	3	AM26-115-1EC-PR-4T	115/1/60	37,178	42,850	35°F
13	34' 2"	10'	10'	1	PR499MOP-3	208-230/3/60	3	AM26-115-1EC-PR-4T	115/1/60	42,092	42,850	35°F
14	36' 8"	10'	10'	2	PR299MOP-3	208-230/3/60	4	AM26-115-1EC-PR-4T	115/1/60	44,007	47,600	35°F
15	40' 0"	10'	10'	2	PR299MOP-3	208-230/3/60	4	AM26-115-1EC-PR-4T	115/1/60	46,096	47,600	35°F
Freezers				SCROLLS								
2	6' 8"	10'	10'	1	PR449LZOP	208-230/3/60	1	EL46-164-2EC-PR-4	208-230/1/60	12,338	15617	-10°F
3	9' 0"	10'	10'	1	PR449LZOP	208-230/3/60	1	EL46-164-2EC-PR-4	208-230/1/60	13,562	15617	-10°F
4	11' 6"	10'	10'	1	PR449LZOP	208-230/3/60	1	EL46-164-2EC-PR-4	208-230/1/60	14,644	15617	-10°F
Freezers				Semi Hermetics								
2	6' 8"	10'	10'	1	PR304LOP	208-230/3/60	1	EL36-140-2EC-PR-4	208-230/1/60	12,338	13180	-10°F
3	9' 0"	10'	10'	1	PR344LOP	208-230/3/60	1	EL46-164-2EC-PR-4	208-230/1/60	13,562	17650	-10°F
4	11' 6"	10'	10'	1	PR344LOP	208-230/3/60	1	EL46-164-2EC-PR-4	208-230/1/60	14,644	17650	-10°F

1. Determine how many glass doors the cooler or freezer is going to require.
2. Look across from the selected # of doors and note if the walk-in no larger than the dimensions listed in L (Length) W (Width) H (Height)
3. The correct sized RDI condensing unit model and RDI Evap Asm Item numbers and voltage will be selected.
4. Note the larger walk-ins will require multiple evaporator assemblies in order to distribute the cold air evenly through the walk-in.
5. The column shown in red is the required BTUH for that walk-in and the column in black shows how many BTUHs are provided at outdoor temp of 95°F
6. The last column shows the intended room temperature of the walk-in cooler or freezer. The systems selected should provide that temperature