

Air System Design Load Summary for RTU

Project Name: Canadian Tire
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	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jul 1500 COOLING OA DB / WB 87.0 °F / 71.0 °F			HEATING DATA AT DES HTG HEATING OA DB / WB -4.0 °F / -5.3 °F		
ZONE LOADS	Details	Sensible (BTU/hr)	Latent (BTU/hr)	Details	Sensible (BTU/hr)	Latent (BTU/hr)
Window & Skylight Solar Loads	0 ft²	0	-	0 ft²	-	-
Wall Transmission	911 ft²	1012	-	911 ft²	4919	-
Roof Transmission	1881 ft²	4990	-	1881 ft²	5576	-
Window Transmission	0 ft²	0	-	0 ft²	0	-
Skylight Transmission	0 ft²	0	-	0 ft²	0	-
Door Loads	0 ft²	0	-	0 ft²	0	-
Floor Transmission	2148 ft²	0	-	2148 ft²	0	-
Partitions	915 ft²	853	-	915 ft²	183	-
Ceiling	0 ft²	0	-	0 ft²	0	-
Overhead Lighting	2148 W	6232	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	2400 W	7642	-	0	0	-
People	12	2390	2460	0	0	0
Infiltration	-	1614	1348	-	9951	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	24733	3808	-	20629	0
Zone Conditioning	-	25739	3808	-	20936	0
Plenum Wall Load	0%	0	-	0	0	-
Plenum Roof Load	0%	0	-	0	0	-
Plenum Lighting Load	0%	0	-	0	0	-
Return Fan Load	1078 CFM	0	-	1078 CFM	0	-
Ventilation Load	300 CFM	3357	3181	300 CFM	23397	0
Supply Fan Load	1378 CFM	0	-	1378 CFM	0	-
Space Fan Coil Fans	-	0	-	-	0	-
Duct Heat Gain / Loss	0%	0	-	0%	0	-
>> Total System Loads	-	29097	6988	-	44332	0
Central Cooling Coil	-	29097	6989	-	0	0
Central Heating Coil	-	0	-	-	44332	-
>> Total Conditioning	-	29097	6989	-	44332	0
Key:	Positive values are clg loads Negative values are htg loads			Positive values are htg loads Negative values are clg loads		