

ADDISON



TRSW/G-B

TRS-SERIES ROOFTOP UNITS

FOR COMMERCIAL/INDUSTRIAL HEATING, COOLING AND/OR DEHUMIDIFICATION

www.addison-hvac.com

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Nomenclature

TRS	A	240	C	A	3	A
Model	Type	Unit Size	Cabinet Size	Air Flow	Voltage	Design Series
TRSW/G	A = A/C	036	A = 36-84	A = Vertical Supply / Vertical Return	3 = 208-230/3	A
	F = AHU	048	B = 96-210	C = Horizontal Supply / Vertical Return	4 = 460/3	
	G = GSHP	060	C = 200-240	E = Vertical Supply / 100% Outside Air		
	H = ASHP	072		F = Horizontal Supply / 100% Outside Air		
	W = WSHP	084				
		096				
		120				
		150				
		180				
		210				
		200				
		240				
		300				
		360				
		420				

SERIES TRSW/G - A CABINET

SPECIFICATIONS

MODEL TRS	036	048	06	072	084
RECIRCULATING AIR UNITS					
Performance per ISO 13256-1 - Water Loop 1					
Airflow (CFM)	1,200	1,600	2,000	2,400	2,800
Cooling Capacity (BTUH)	38,090	52,095	70,075	75,224	85,534
Condenser Water Flow (GPM)	7.5	10.0	12.5	15.0	17.5
EER	14.4	15.4	15.0	13.5	12.6
Heating Capacity (BTUH)	46,211	61,121	81,384	94,842	110,539
COP	5.17	5.19	4.85	5.13	4.90
Performance per ISO 13256-1 - Ground Loop 2					
Airflow (CFM)	1,200	1,600	2,000	2,400	2,800
Cooling Capacity (BTUH)	39,752	54,352	72,901	78,308	88,826
Condenser Water Flow (GPM)	7.5	10.0	12.5	15.0	17.5
EER	16.4	17.8	16.75	15.2	14.1
Heating Capacity (BTUH)	29,231	39,327	51,538	60,250	70,261
COP	3.61	3.79	3.39	3.64	3.70
Physical Data					
No. Refrig. Circuits	1	1	1	1	1
Refrig. Charge R410A (oz./ckt.)	98	122	130	159	161
Evap. Area (sq. ft.)	4.00	4.00	4.00	7.50	7.50
Evap. Row / fpi	4 / 12	4 / 12	4 / 12	4 / 12	4 / 12
Supply Fan HP Range	1/2 - 3	1/2 - 3	1/2 - 3	1/2 - 3	1/2 - 3
Supply Fan size/type	9x7 FC	9x7 FC	12 x 9 / FC	12 x 9 / FC	12 x 9 / FC
Filter Area (sq. ft.)	13.30	13.30	13.30	13.30	13.30
Drain Conn. (mpt.)	1-1/4"	1-1/4"	1-1/4"	1-1/4"	1-1/4"
Base Unit Weight (lb.)	1490	1540	1590	1630	1650

- Rating based on 80.6°F DB/66.2°F WB entering air, 86.0°F entering water temperature condition for cooling and 68°F DB/59.0°F WB entering air, 68.0°F entering water for heating.
- Rating based on 80.6°F DB/66.2°F WB entering air, 77.0°F entering water temperature condition for cooling and 68°F DB/59.0°F WB entering air, 32°F entering fluid for heating

100% OUTDOOR AIR UNITS

Performance at 95°F DB / 76°F WB EAT, 85°F EWT					
Nominal Airflow (CFM)	600	800	1,000	1,200	1,400
Condenser Water Flow (GPM)	7.5	10.0	12.5	15.0	17.5
Total Cooling Capacity Qt	39,951	54,253	72,997	78,695	90,228
Sensible Cooling Capacity Qs	24,668	33,404	44,201	49,261	57,210
EER	15.2	16.2	15.9	14.2	13.3
Performance at 95°F DB / 76°F WB EAT, 77°F EWT					
Nominal Airflow (CFM)	600	800	1,000	1,200	1,400
Condenser Water Flow (GPM)	7.5	10.0	12.5	15.0	17.5
Total Cooling Capacity Qt	41,313	56,080	75,305	81,162	93,018
Sensible Cooling Capacity Qs	25,210	34,193	45,172	50,250	58,257
EER	16.9	18.4	17.5	15.7	14.6
Physical Data					
No. Refrig. Circuits	1	1	1	1	1
Refrig. Charge R410A (oz./ckt.)	105	130	137	201	201
Evap. Area (sq. ft.)	3.00	3.00	3.00	6.25	6.25
Evap. Row / fpi	6 / 12	6 / 12	6 / 12	6 / 12	6 / 12
Supply Fan HP Range	1/2 - 3	1/2 - 3	1/2 - 3	1/2 - 3	1/2 - 3
Supply Fan size/type	9x7 FC	9x7 FC	12x9 FC	12x9 FC	12x9 FC
Filter Area (sq. ft.)	13.30	13.30	13.30	13.30	13.30
Drain Conn. (mpt.)	1-1/4"	1-1/4"	1-1/4"	1-1/4"	1-1/4"

SERIES TRSW/G - A CABINET

COOLING CAPACITY DATA - RECIRCULATING

TRSW036 RECIRCULATING					
EWT	45	55	65	75	85
GPM	7.5				
P (PSI)	3.82				
CFM	1,200				
Total Capacity- BTU/h	47,289	45,553	43,754	41,941	40,099
Watts	1,350	1,555	1,766	1,983	2,220
Heat Rejected - BTU/h	51,905	50,589	49,227	47,875	46,562
TRSW048 RECIRCULATING					
EWT	45	55	65	75	85
GPM	10.0				
P (PSI)	3.88				
CFM	1,600				
Total Capacity- BTU/h	64,101	61,720	59,323	56,852	54,339
Watts	1,357	1,803	2,202	2,578	2,950
Heat Rejected - BTU/h	68,772	67,536	66,128	64,577	62,965
TRSW060 RECIRCULATING					
EWT	45	55	65	75	85
GPM	12.5				
P (PSI)	4.73				
CFM	2,000				
Total Capacity- BTU/h	85,070	82,066	79,021	75,864	72,708
Watts	2,994	3,265	3,559	3,882	4,245
Heat Rejected - BTU/h	95,086	92,660	90,249	87,819	85,501
TRSW072 RECIRCULATING					
EWT	45	55	65	75	85
GPM	15.0				
P (PSI)	4.21				
CFM	2,400				
Total Capacity- BTU/h	91,792	8,874	85,398	82,135	78,866
Watts	3,333	3,667	4,023	4,426	4,885
Heat Rejected - BTU/h	10,3043	100,594	98,070	95,712	93,535
TRSW084 RECIRCULATING					
EWT	45	55	65	75	85
GPM	17.5				
P (PSI)	6.29				
CFM	2,800				
Total Capacity- BTU/h	99,426	99,899	96,364	92,836	89,107
Watts	4,220	4,661	5,078	5,548	6,085
Heat Rejected - BTU/h	11,3708	11,5111	112,492	110,065	107,652

Notes:

1. Cooling capacities shown are based on 80°F DBT / 67°F WBT entering air coil conditions.
2. Cooling capacities shown are gross capacities.
For net capacities, multiply blower BHP (Break Horse Power) required times 2,545 and subtract from total and sensible Btu/h in tables.
3. Consult Addison Sizing and Application Program (ASAP) for other design parameters.
This can be found on our website, www.addison-hvac.com.
4. To convert water pressure drop from PSI to feet of H₂O, multiply by 2.31.

SERIES TRSW/G - A CABINET

COOLING CAPACITY DATA -100% OUTDOOR AIR

TRSW036 100% OUTDOOR AIR					
EWT	45	55	65	75	85
GPM	7.5				
P (PSI)	3.82				
CFM	600				
Total Capacity- BTU/h	47,805	46,250	44,626	43,010	41,316
Watts	1,357	1,563	1,777	1,993	2,232
Heat Rejected - BTU/h	52,872	51,740	50,558	49,403	48,248
TRSW048 100% OUTDOOR AIR					
EWT	45	55	65	75	85
GPM	10.0				
P (PSI)	3.88				
CFM	800				
Total Capacity- BTU/h	64,287	62,241	60,088	57,895	55,618
Watts	1,362	1,799	2,201	2,581	2,959
Heat Rejected - BTU/h	69,530	68,593	67,456	66,192	64,834
TRSW060 100% OUTDOOR AIR					
EWT	45	55	65	75	85
GPM	12.5				
P (PSI)	4.72				
CFM	1,000				
Total Capacity- BTU/h	84,594	82,076	79,387	76,704	73,854
Watts	2,996	3,269	3,565	3,888	4,252
Heat Rejected - BTU/h	95,235	93,285	91,248	89,276	87,282
TRSW072 100% OUTDOOR AIR					
EWT	45	55	65	75	85
GPM	15.0				
P (PSI)	4.21				
CFM	1,200				
Total Capacity- BTU/h	92,383	89,677	86,921	83,988	80,913
Watts	3,342	3,679	4,040	4,447	4,906
Heat Rejected - BTU/h	104,425	102,397	100,415	98,402	96,413
TRSW084 100% OUTDOOR AIR					
EWT	45	55	65	75	85
GPM	17.5				
P (PSI)	6.25				
CFM	1,400				
Total Capacity- BTU/h	105,059	102,096	99,071	95,836	92,371
Watts	4,314	4,713	5,135	5,612	6,155
Heat Rejected - BTU/h	120,401	118,292	116,215	114,103	111,974

Notes:

1. Cooling capacities shown are based on 95°F DBT / 76°F WBT entering air coil conditions.
2. Cooling capacities shown are gross capacities.
For net capacities, multiply blower BHP (Break Horse Power) required times 2,545 and subtract from total and sensible Btu/h in tables.
3. Consult Addison Sizing and Application Program (ASAP) for other design parameters.
This can be found on our website, www.addison-hvac.com.
4. To convert water pressure drop from PSI to feet of H2O, multiply by 2.31.

SERIES TRSW/G - A CABINET

HEATING CAPACITY DATA - RECIRCULATING

TRSW036 RECIRCULATING					
EWT	30	40	50	60	70
GPM	7.5				
P (PSI)	4.56				
CFM	1,200				
Total Capacity- BTU/h	27,070	31,049	35,827	40,690	45,601
Watts	2,022	2,080	2,145	2,220	2,296
Heat Rejected - BTU/h	19,723	23,801	28,307	33,083	38,461
TRSW048 RECIRCULATING					
EWT	30	40	50	60	70
GPM	10.0				
P (PSI)	4.66				
CFM	1,600				
Total Capacity- BTU/h	36,088	42,080	50,485	54,718	60,850
Watts	2,684	2,803	2,935	3,041	3,139
Heat Rejected - BTU/h	26,523	32,092	37,546	43,668	50,718
TRSW060 RECIRCULATING					
EWT	30	40	50	60	70
GPM	12.5				
P (PSI)	5.68				
CFM	2,000				
Total Capacity- BTU/h	48,995	56,119	64,457	72,779	81,434
Watts	4,164	4,287	4,399	4,509	4,620
Heat Rejected - BTU/h	34,561	41,348	49,188	57,308	65,751
TRSW072 RECIRCULATING					
EWT	30	40	50	60	70
GPM	15.0				
P (PSI)	4.87				
CFM	2,400				
Total Capacity- BTU/h	56,367	64,352	73,893	83,526	94,356
Watts	4,275	4,407	4,558	4,712	4,898
Heat Rejected - BTU/h	41,486	49,079	57,903	67,339	77,749
TRSW084 RECIRCULATING					
EWT	30	40	50	60	70
GPM	17.5				
P (PSI)	7.25				
CFM	2,800				
Total Capacity- BTU/h	75,318	76,975	87,421	98,533	110,417
Watts	5,243	5,170	5,535	5,817	6,133
Heat Rejected - BTU/h	57,021	56,696	67,123	77,779	88,958

Notes:

1. Heating mode capacity tables use 20% P.G. by volume for entering fluid temperature below 40°F.
2. Heating capacities shown are based on 70°F entering air coil condition.
3. Consult Addison Sizing and Application Program (ASAP) for other design parameters. This can be found on our website, www.addison-hvac.com.
4. To convert water pressure drop from PSI to feet of H2O, multiply by 2.31.

SERIES TRSW/G - A CABINET

HEATING CAPACITY DATA - RECIRCULATING

TRSW036 100% OUTDOOR AIR					
EAT-DB	60°F				
EWT	30°	40°	50°	60°	70°
GPM	7.5				
P (PSI)	4.56				
CFM	600				
Heating Capacity- BTU/h	26,870	30,652	34,639	39,539	44,187
Watts	2,096	2,217	2,349	2,530	2,719
Heat Absorbed - BTU/h	19,384	23,085	28,295	31,356	35,548
TRSW036 50% OUTDOOR AIR					
EAT-DB	50°F				
EWT	30°	40°	50°	60°	70°
GPM	7.5				
P (PSI)	4.56				
CFM	600				
Total Capacity- BTU/h	27,305	31,201	35,776	40,100	45,283
Watts	1,879	1,992	2,130	2,273	2,466
Heat Rejected - BTU/h	20,791	24,518	28,649	33,489	37,576
TRSW036 25% OUTDOOR AIR					
EAT-DB	40°F				
EWT	30°	40°	50°	60°	70°
GPM	7.5				
P (PSI)	4.56				
CFM	600				
Total Capacity- BTU/h	27,769	31,815	36,500	41,333	46,182
Watts	1,681	1,789	1,916	2,062	2,227
Heat Rejected - BTU/h	22,192	25,780	30,227	35,106	39,264
TRSW048 100% OUTDOOR AIR					
EAT-DB	60°F				
EWT	30°	40°	50°	60°	70°
GPM	10.0				
P (PSI)	4.66				
CFM	800				
Total Capacity- BTU/h	36,651	41,758	47,528	52,922	58,882
Watts	2,788	2,973	3,201	3,418	3,671
Heat Rejected - BTU/h	27,097	30,846	36,427	42,381	47,833
TRSW048 50% OUTDOOR AIR					
EAT-DB	50°F				
EWT	30°	40°	50°	60°	70°
GPM	10.0				
P (PSI)	4.66				
CFM	800				
Total Capacity- BTU/h	37,153	42,281	48,240	54,143	60,013
Watts	2,504	2,670	2,877	3,096	3,317
Heat Rejected - BTU/h	28,695	33,240	38,399	43,884	50,068
TRSW048 25% OUTDOOR AIR					
EAT-DB	60°F				
EWT	30°	40°	40°	60°	70°
GPM	10.0				
P (PSI)	4.66				
CFM	800				
Total Capacity- BTU/h	38,078	43,118	49,243	55,122	61,583
Watts	2,263	2,404	2,587	2,781	2,998
Heat Rejected - BTU/h	30,167	35,014	40,395	46,101	52,399

Notes:

1. Heating mode capacity tables use 20% P.G. by volume for entering fluid temperature below 40°F.
2. Consult Addison Sizing and Application Program (ASAP) for other design parameters. This can be found on our website, www.addison-hvac.com.
3. To convert water pressure drop from PSI to feet of H2O, multiply by 2.31.

SERIES TRSW/G - A CABINET

HEATING CAPACITY DATA - 100% OUTDOOR AIR

TRSW060 100% OUTDOOR AIR					
EAT-DB	60°F				
EWT	30°	40°	50°	60°	70°
GPM	12.5				
P (PSI)	5.67				
CFM	1,000				
Heating Capacity- BTU/h	48,566	55,436	63,278	70,958	78,806
Watts	4,270	4,511	4,772	5,038	5,326
Heat Absorbed - BTU/h	34,043	40,016	47,192	53,790	60,936
EAT-DB					
EAT-DB	50°F				
EWT	30°	40°	50°	60°	70°
GPM	12.5				
P (PSI)	5.68				
CFM	1,000				
Total Capacity- BTU/h	49,789	56,530	64,514	72,219	80,210
Watts	3,916	4,131	4,385	4,626	4,887
Heat Rejected - BTU/h	36,510	42,675	49,554	56,785	64,096
EAT-DB					
EAT-DB	40°F				
EWT	30°	40°	50°	60°	70°
GPM	12.5				
P (PSI)	5.69				
CFM	1,000				
Total Capacity- BTU/h	51,060	57,832	65,791	73,638	81,728
Watts	3,582	3,785	4,031	4,255	4,495
Heat Rejected - BTU/h	39,024	45,053	52,378	59,939	67,198
TRSW072 100% OUTDOOR AIR					
EAT-DB	60°F				
EWT	30°	40°	50°	60°	70°
GPM	15.0				
P (PSI)	4.86				
CFM	1,200				
Total Capacity- BTU/h	55,714	63,519	72,312	81,079	90,827
Watts	4,486	4,752	5,078	5,421	5,823
Heat Rejected - BTU/h	40,408	47,322	54,786	63,290	71,987
EAT-DB					
EAT-DB	50°F				
EWT	30°	40°	50°	60°	70°
GPM	15.0				
P (PSI)	4.86				
CFM	1,200				
Total Capacity- BTU/h	57,023	64,595	72,872	82,949	92,011
Watts	4,096	4,325	4,602	4,966	5,315
Heat Rejected - BTU/h	42,77	49,715	59,301	66,949	74,978
EAT-DB					
EAT-DB	40°F				
EWT	30°	40°	50°	60°	70°
GPM	15.0				
P (PSI)	4.87				
CFM	1,200				
Total Capacity- BTU/h	58,178	65,837	75,270	83,570	93,615
Watts	3,751	3,951	4,231	4,503	4,858
Heat Rejected - BTU/h	45,329	53,077	61,661	70,189	78,153

Notes:

1. Heating mode capacity tables use 20% P.G. by volume for entering fluid temperature below 40°F.
2. Consult Addison Sizing and Application Program (ASAP) for other design parameters. This can be found on our website, www.addison-hvac.com.
3. To convert water pressure drop from PSI to feet of H2O, multiply by 2.31

SERIES TRSW/G - A CABINET

HEATING CAPACITY DATA - 100% OUTDOOR AIR

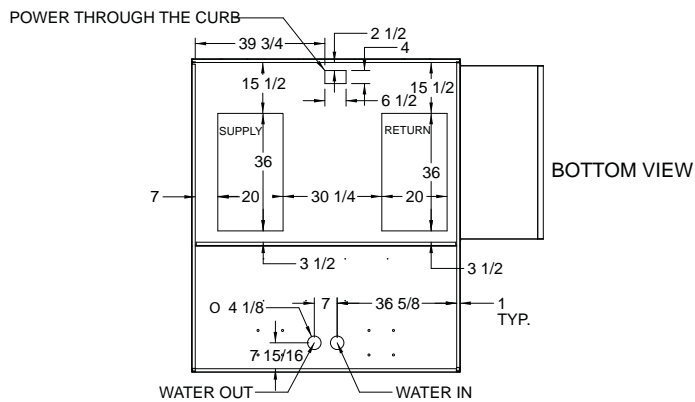
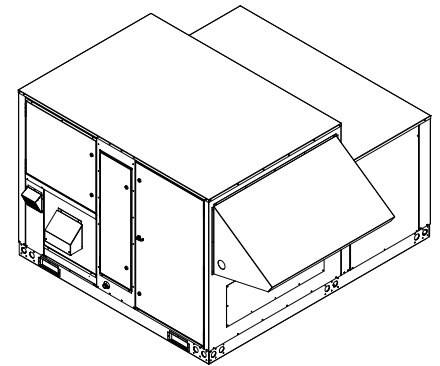
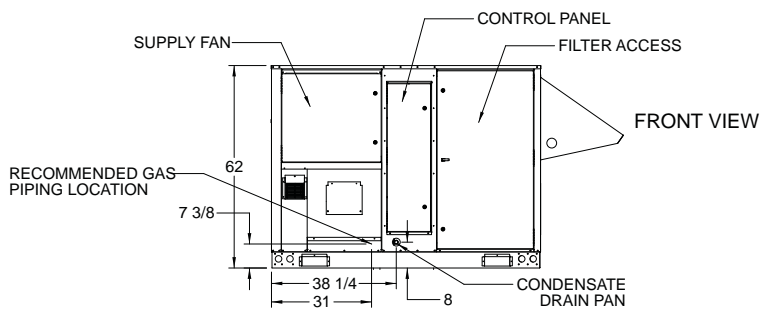
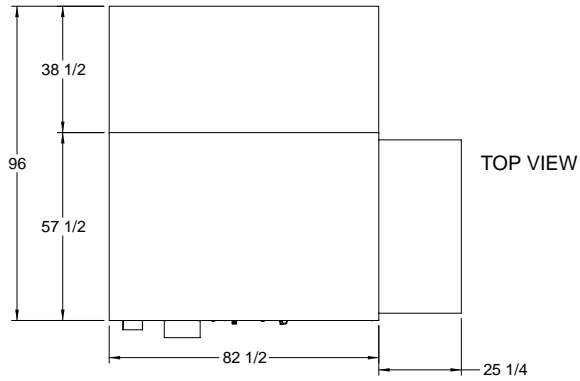
TRSW084 100% OUTDOOR AIR					
EAT-DB	60°F				
EWT	30°	40°	50°	60°	70°
GPM	17.5				
P (PSI)	7.24				
CFM	1,400				
Heating Capacity- BTU/h	66,037	75,764	85,970	96,306	107,196
Watts	5,254	5,682	6,155	6,663	7,237
Heat Absorbed - BTU/h	47,575	54,235	63,792	72,818	82,071
EAT-DB					
EAT-DB	50°F				
EWT	30°	40°	50°	60°	70°
GPM	17.5				
P (PSI)	7.25				
CFM	1,400				
Total Capacity- BTU/h	66,648	75,724	86,908	97,437	108,600
Watts	4,748	5,116	5,596	6,074	6,620
Heat Rejected - BTU/h	50,400	58,111	67,392	76,567	87,428
EAT-DB					
EAT-DB	40°F				
EWT	30°	40°	50°	60°	70°
GPM	17.5				
P (PSI)	7.26				
CFM	1,400				
Total Capacity- BTU/h	67,319	76,647	87,989	98,958	110,359
Watts	4,287	4,637	5,089	5,553	6,071
Heat Rejected - BTU/h	52,487	61,127	70,650	81,105	90,679

Notes:

1. Heating mode capacity tables use 20% P.G. by volume for entering fluid temperature below 40°F.
2. Consult Addison Sizing and Application Program (ASAP) for other design parameters. This can be found on our website, www.addison-hvac.com.
3. To convert water pressure drop from PSI to feet of H2O, multiply by 2.31

SERIES TRSW/G - A CABINET

BASE UNIT

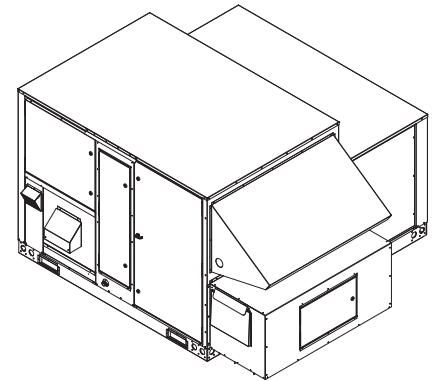
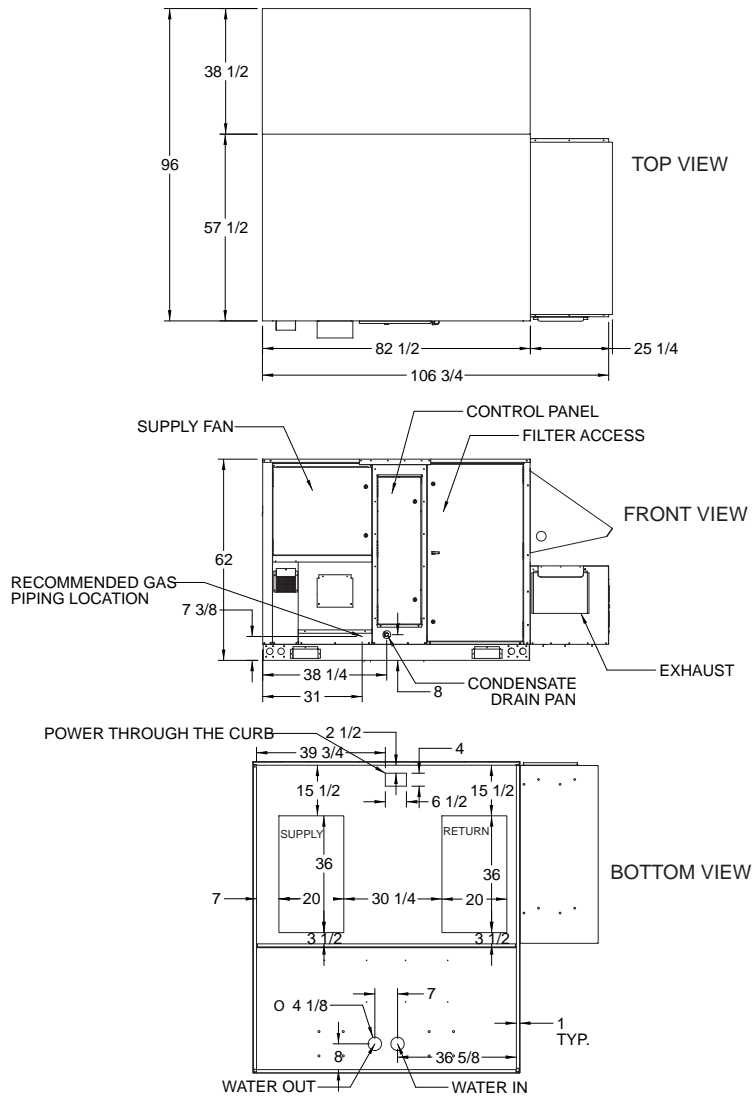


Service Clearance:

Addison recommends a minimum of 24" to 36" on all sides of unit except for the control panel side, which should have at least 60" clearance.

SERIES TRSW/G - A CABINET

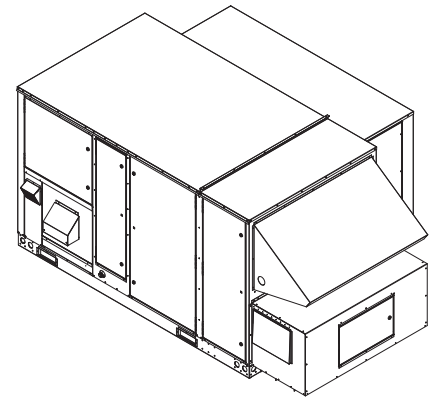
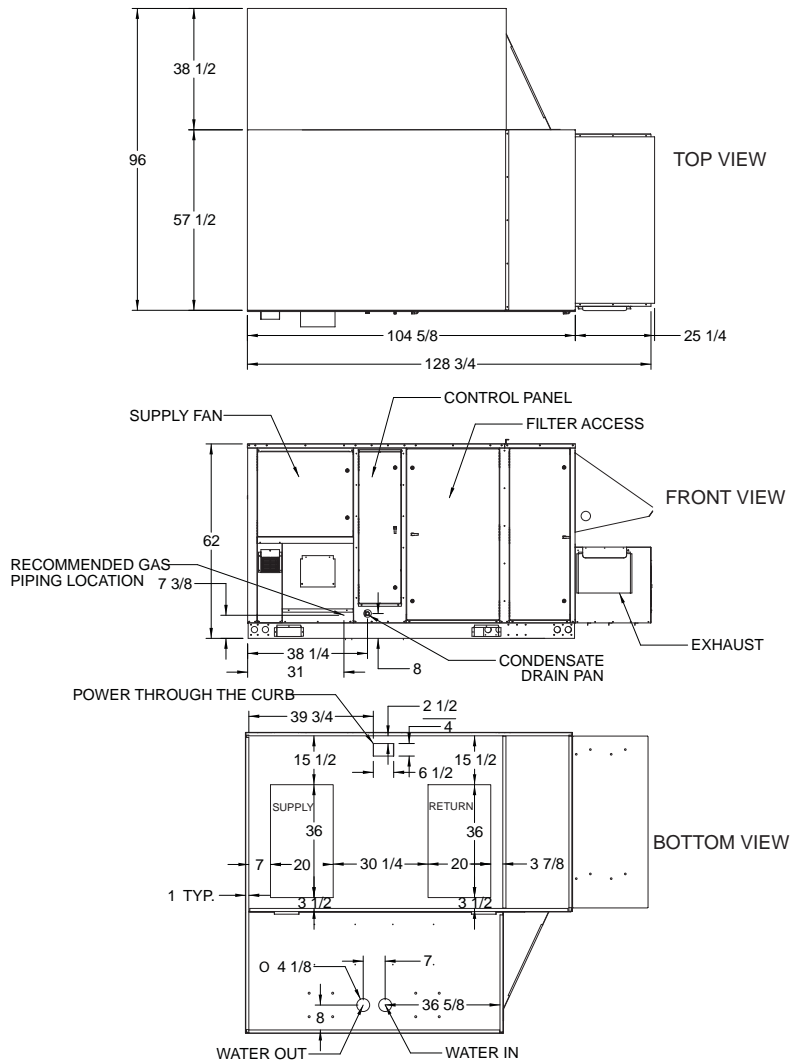
BASE UNIT WITH EXHAUST



Service Clearance:
 Addison recommends a minimum of 24" to 36" on all sides of unit except for the control panel side, which should have at least 60" clearance.

SERIES TRSW/G - A CABINET

BASE UNIT WITH WHEEL

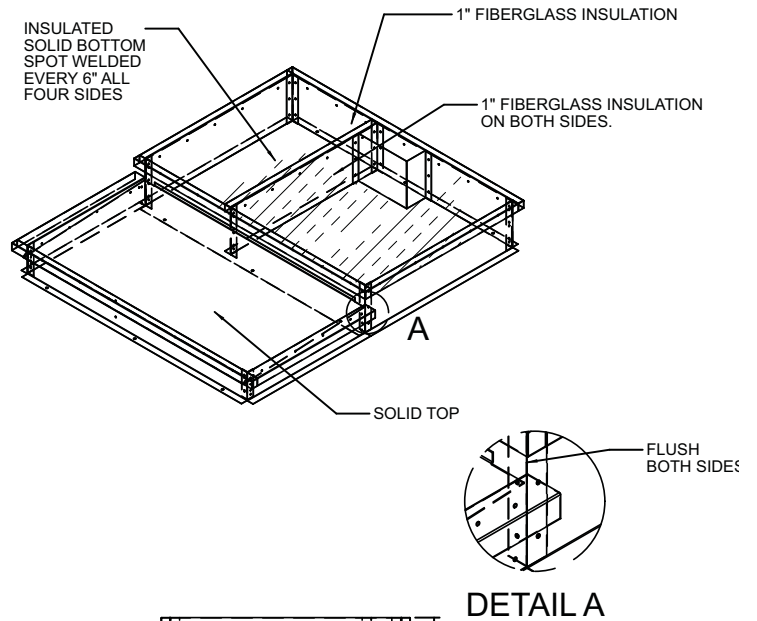
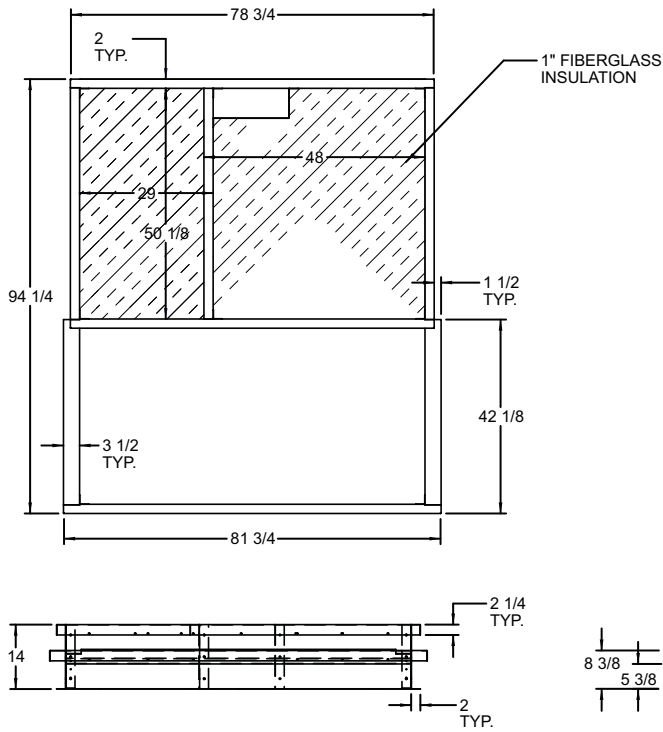


Service Clearance:

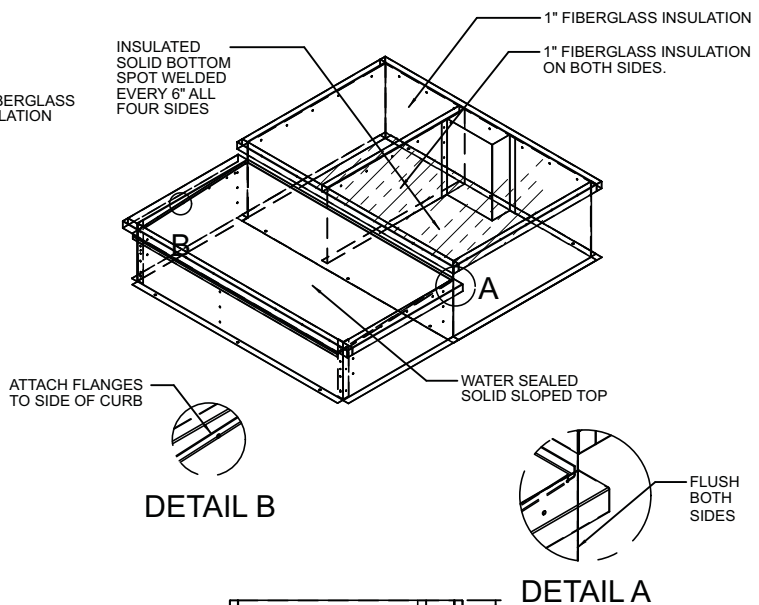
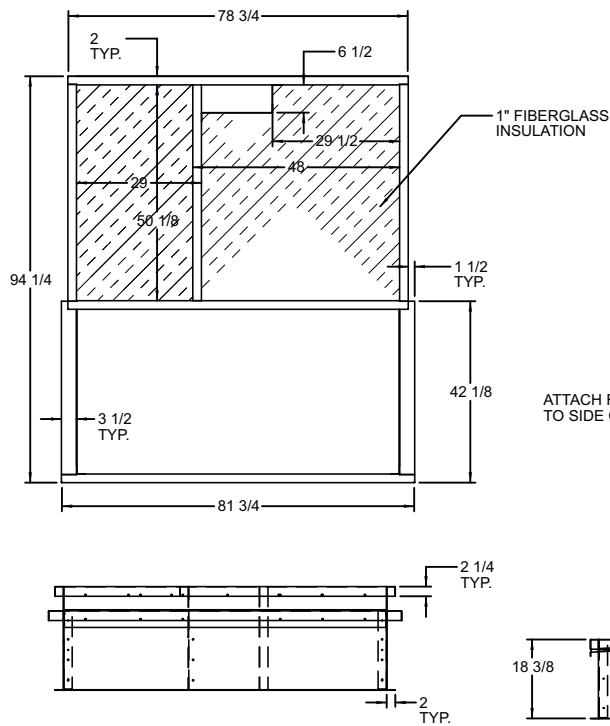
Addison recommends a minimum of 24" to 36" on all sides of unit except for the control panel side, which should have at least 60" clearance.

SERIES TRSW/G - A CABINET

ROOF CURB



14 INCH CURB



24 INCH CURB

SERIES TRSW/G - B CABINET

SPECIFICATIONS

MODEL TRS	096	120	150	180	210
RECIRCULATING AIR UNITS					
Performance per ISO 13256-1 - Water Loop 1					
Airflow (CFM)	3,200	4,000	5,000	6,000	6,000
Cooling Capacity (BTUH)	109,084	142,372	164,390	199,072	222,472
Condenser Water Flow (GPM)	20.0	25.0	31.25	37.5	43.8
EER	14.4	15.2	14.9	14.9	15.3
Heating Capacity (BTUH)	128,592	164,834	198,666	241,608	265,856
COP	5.20	5.19	5.29	5.18	5.50
Performance per ISO 13256-1 - Ground Loop 2					
Airflow (CFM)	3,200	4,000	5,000	6,000	6,000
Cooling Capacity (BTUH)	113,778	148,344	171,048	206,992	231,598
Condenser Water Flow (GPM)	20.0	25.0	31.25	37.5	43.8
EER	16.3	17.0	16.81	16.7	17.2
Heating Capacity (BTUH)	82,078	105,706	128,646	155,900	167,484
COP	3.86	3.63	3.82	3.95	4.03
Physical Data					
No. Refrig. Circuits	2	2	2	2	2
Refrig. Charge R410A (oz./ckt.)	151	159	175	208	259
Evap. Area (sq. ft.)	12.00	12.00	12.00	12.00	12.00
Evap. Row / fpi	4/12	4/12	4/12	4/12	6/12
Supply Fan HP Range	2-7.5	2-7.5	3-10	3-10	3-10
Supply Fan size/type	12 x 12 FC	12 x 12 FC	15 x 15 FC	15 x 15 FC	15 x 15 FC
Filter Area (sq. ft.)	13.30	13.30	13.30	13.30	13.30
Drain Conn. (mpt.)	1-1/4"	1-1/4"	1-1/4"	1-1/4"	1-1/4"
Base Unit Weight (lb.)	1750	1800	1860	1900	1920

1. Rating based on 80.6°F DB/66.2°F WB entering air, 86.0°F entering water temperature condition for cooling and 68°F DB/59.0°F WB entering air, 68.0°F entering water for heating.

2. Rating based on 80.6°F DB/66.2°F WB entering air, 77.0°F entering water temperature condition for cooling and 68°F DB/59.0°F WB entering air, 32°F entering fluid for heating.

100% OUTDOOR AIR UNITS

Performance at 95°F DB / 76°F WB EAT, 85°F EWT					
Nominal Airflow (CFM)	1,600	2,000	2,500	3,000	3,500
Condenser Water Flow (GPM)	10.0	12.5	15.6	18.8	21.9
Total Cooling Capacity Qt	112,204	146,012	173,282	211,496	224,158
Sensible Cooling Capacity Qs	68,764	88,764	106,460	129,592	135,156
EER	15.1	15.9	15.9	15.8	15.5
Performance at 95°F DB / 76°F WB EAT, 77°F EWT					
Nominal Airflow (CFM)	1,600	2,000	2,500	3,000	3,000
Condenser Water Flow (GPM)	10.0	12.5	15.6	18.8	21.9
Total Cooling Capacity Qt	115,894	150,656	178,902	218,086	231,092
Sensible Cooling Capacity Qs	70,314	90,704	108,732	132,322	138,096
EER	16.7	17.6	17.7	17.5	17.1
Physical Data					
No. Refrig. Circuits	2	2	2	2	2
Refrig. Charge R410A (oz./ckt.)	233	232	264	259	273
Evap. Area (sq. ft.)	8.00	8.00	12.00	12.00	12.00
Evap. Row / fpi	6/12	6/12	6/12	6/12	6/12
Supply Fan HP Range	1-10	1-10	1-10	1-10	1-10
Supply Fan size/type	1-1/4"	1-1/4"	1-1/4"	1-1/4"	1-1/4"
Filter Area (sq. ft.)	13.30	13.30	13.30	13.30	13.30
Drain Conn. (mpt.)	1-1/4"	1-1/4"	1-1/4"	1-1/4"	1-1/4"

SERIES TRSW/G - B CABINET

COOLING CAPACITY DATA - RECIRCULATING

TRSW096 RECIRCULATING					
EWT	45	55	65	75	85
GPM	20.0				
P (PSI)	4.05				
CFM	3,200				
Total Capacity- BTU/h	133,902	129,096	124,162	119,028	113,734
Watts	4,568	5,038	5,536	6,090	6,710
Heat Rejected - BTU/h	149,208	145,374	141,436	137,528	133,648
TRSW120 RECIRCULATING					
EWT	45	55	65	75	85
GPM	25.0				
P (PSI)	4.73				
CFM	4,000				
Total Capacity- BTU/h	173,208	167,104	160,802	154,340	147,660
Watts	6,002	6,542	7,126	7,770	8,492
Heat Rejected - BTU/h	193,236	188,286	183,242	178,230	173,254
TRSW150 RECIRCULATING					
EWT	45	55	65	75	85
GPM	31.3				
P (PSI)	5.08				
CFM	5,000				
Total Capacity- BTU/h	201,460	193,992	186,570	178,966	171,458
Watts	6,400	7,112	7,884	8,706	9,642
Heat Rejected - BTU/h	223,232	217,170	211,366	205,524	200,226
TRSW180 RECIRCULATING					
EWT	45	55	65	75	85
GPM	37.5				
P (PSI)	4.18				
CFM	6,000				
Total Capacity- BTU/h	241,294	232,742	224,290	215,584	206,654
Watts	8,326	9,140	9,992	10,940	12,016
Heat Rejected - BTU/h	269,822	262,762	255,968	249,236	242,752
TRSW210 RECIRCULATING					
EWT	45	55	65	75	85
GPM	43.8				
P (PSI)	5.51				
CFM	6,000				
Total Capacity- BTU/h	267,346	260,630	251,068	241,150	230,868
Watts	8,966	9,908	10,892	11,958	13,136
Heat Rejected - BTU/h	297,730	292,886	285,372	277,758	270,136

Notes:

1. Cooling capacities shown are based on 80°F DBT / 67°F WBT entering air coil conditions.
2. Cooling capacities shown are gross capacities.
For net capacities, multiply blower BHP (Break Horse Power) required times 2,545 and subtract from total and sensible Btu/h in tables.
3. Consult Addison Sizing and Application Program (ASAP) for other design parameters.
This can be found on our website, www.addison-hvac.com.
4. To convert water pressure drop from PSI to feet of H2O, multiply by 2.31.

SERIES TRSW/G - B CABINET

COOLING CAPACITY DATA - 100% OUTDOOR AIR

TRSW096 RECIRCULATING					
EWT	45	55	65	75	85
GPM	20.0				
P (PSI)	3.87				
CFM	1,600				
Total Capacity- BTU/h	131,328	127,368	123,208	118,834	114,264
Watts	4,548	5,024	5,536	6,098	6,734
Heat Rejected - BTU/h	147,708	144,700	141,602	138,454	135,338
TRSW120 RECIRCULATING					
EWT	45	55	65	75	85
GPM	25.0				
P (PSI)	4.73				
CFM	2,000				
Total Capacity- BTU/h	169,292	164,238	158,896	153,398	147,710
Watts	5,994	6,538	7,130	7,780	8,502
Heat Rejected - BTU/h	190,548	186,628	182,592	178,552	174,532
TRSW150 RECIRCULATING					
EWT	45	55	65	75	85
GPM	31.3				
P (PSI)	5.07				
CFM	2,500				
Total Capacity- BTU/h	203,342	196,922	190,528	183,870	176,916
Watts	6,420	7,142	7,908	8,750	9,684
Heat Rejected - BTU/h	226,814	221,832	217,004	212,200	207,404
TRSW180 RECIRCULATING					
EWT	45	55	65	75	85
GPM	37.5				
P (PSI)	4.18				
CFM	3,000				
Total Capacity- BTU/h	246,258	238,794	231,236	223,360	215,184
Watts	8,434	9,250	10,116	11,078	12,162
Heat Rejected - BTU/h	277,172	271,208	265,366	259,510	253,752
TRSW210 RECIRCULATING					
EWT	45	55	65	75	85
GPM	43.8				
P (PSI)	5.51				
CFM	3,000				
Total Capacity- BTU/h	260,824	253,492	245,716	237,526	228,892
Watts	8,926	9,866	10,866	11,948	13,144
Heat Rejected - BTU/h	293,284	287,826	282,142	276,300	270,378

- Notes:
1. Cooling capacities shown are based on 95°F DBT / 76°F WBT entering air coil conditions.
 2. Cooling capacities shown are gross capacities. For net capacities, multiply blower BHP (Break Horse Power) required times 2,545 and subtract from total and sensible Btu/h in tables.
 3. Consult Addison Sizing and Application Program (ASAP) for other design parameters. This can be found on our website, www.addison-hvac.com.
 4. To convert water pressure drop from PSI to feet of H₂O, multiply by 2.31.

SERIES TRSW/G - B CABINET

HEATING CAPACITY DATA - RECIRCULATING

TRSW096 RECIRCULATING					
EWT	30	40	50	60	70
GPM	20.0				
P (PSI)	4.57				
CFM	3,200				
Total Capacity- BTU/h	75,346	88,568	101,478	114,702	128,160
Watts	5,502	5,752	6,022	6,320	6,640
Heat Rejected - BTU/h	55,568	66,070	79,054	91,740	106,014
TRSW120 RECIRCULATING					
EWT	45	55	65	75	85
GPM	25.0				
P (PSI)	5.68				
CFM	4,000				
Total Capacity- BTU/h	98,310	113,878	130,598	147,366	164,936
Watts	7,852	8,084	8,304	8,500	8,700
Heat Rejected - BTU/h	70,124	85,218	101,224	117,780	135,030
TRSW150 RECIRCULATING					
EWT	45	55	65	75	85
GPM	31.3				
P (PSI)	5.88				
CFM	5,000				
Total Capacity- BTU/h	120,324	135,750	157,264	176,994	197,694
Watts	8,762	9,002	9,326	9,628	9,882
Heat Rejected - BTU/h	87,068	103,012	122,798	142,032	162,166
TRSW180 RECIRCULATING					
EWT	45	55	65	75	85
GPM	37.5				
P (PSI)	4.29				
CFM	6,000				
Total Capacity- BTU/h	148,060	166,910	192,968	216,238	241,448
Watts	10,472	10,898	11,508	12,080	12,736
Heat Rejected - BTU/h	107,812	127,260	149,852	173,070	196,896
TRSW210 RECIRCULATING					
EWT	45	55	65	75	85
GPM	43.8				
P (PSI)	5.51				
CFM	6,000				
Total Capacity- BTU/h	158,350	180,216	209,654	237,344	266,406
Watts	11,088	11,546	12,118	12,652	13,210
Heat Rejected - BTU/h	116,580	137,924	165,366	191,898	219,720

- Notes:
1. Cooling capacities shown are based on 80°F DBT / 67°F WBT entering air coil conditions.
 2. Cooling capacities shown are gross capacities. For net capacities, multiply blower BHP (Break Horse Power) required times 2,545 and subtract from total and sensible Btu/h in tables.
 3. Consult Addison Sizing and Application Program (ASAP) for other design parameters. This can be found on our website, www.addison-hvac.com.
 4. To convert water pressure drop from PSI to feet of H2O, multiply by 2.31.

SERIES TRSW/G - B CABINET

HEATING CAPACITY DATA - 100% OUTDOOR AIR

TRSW096 100% OUTDOOR AIR					
EAT-DB	60°F				
EWT	30°	40°	50°	60°	70°
GPM	20.0				
P (PSI)	4.66				
CFM	1,600				
Heating Capacity- BTU/h	74,788	86,372	98,772	110,194	122,766
Watts	5,850	6,296	6,826	7,356	8,000
Heat Absorbed - BTU/h	53,730	64,346	74,934	86,700	97,864
EAT-DB					
EAT-DB	50°F				
EWT	30°	40°	50°	60°	70°
GPM	20.0				
P (PSI)	4.67				
CFM	1,600				
Total Capacity- BTU/h	76,770	87,644	100,424	112,496	124,926
Watts	5,316	5,700	6,194	6,710	7,292
Heat Rejected - BTU/h	58,544	67,906	78,520	90,070	102,452
EAT-DB					
EAT-DB	40°F				
EWT	30°	40°	50°	60°	70°
GPM	20.0				
P (PSI)	4.68				
CFM	1,600				
Total Capacity- BTU/h	78,342	89,120	102,062	114,656	127,896
Watts	4,812	5,162	5,620	6,116	6,684
Heat Rejected - BTU/h	61,754	71,490	82,884	94,158	107,374
TRSW120 100% OUTDOOR AIR					
EAT-DB	60°F				
EWT	30°	40°	50°	60°	70°
GPM	25.0				
P (PSI)	5.68				
CFM	2,000				
Total Capacity- BTU/h	97,732	111,446	126,866	142,312	157,998
Watts	8,318	8,768	9,278	9,802	10,358
Heat Rejected - BTU/h	68,902	80,980	94,708	108,836	123,278
EAT-DB					
EAT-DB	50°F				
EWT	30°	40°	50°	60°	70°
GPM	25.0				
P (PSI)	5.69				
CFM	2,000				
Total Capacity- BTU/h	100,116	113,564	129,446	144,876	160,770
Watts	7,628	8,038	8,534	9,010	9,518
Heat Rejected - BTU/h	73,816	86,282	100,226	114,714	129,520
EAT-DB					
EAT-DB	60°F				
EWT	30°	40°	40°	60°	70°
GPM	25.0				
P (PSI)	5.69				
CFM	2,000				
Total Capacity- BTU/h	102,586	116,076	132,070	147,644	162,508
Watts	6,974	7,366	7,838	8,286	8,716
Heat Rejected - BTU/h	78,836	91,034	105,864	120,578	138,412

Notes:

1. Heating mode capacity tables use 20% P.G. by volume for entering fluid temperature below 40°F.
2. Consult Addison Sizing and Application Program (ASAP) for other design parameters. This can be found on our website, www.addison-hvac.com.
3. To convert water pressure drop from PSI to feet of H2O, multiply by 2.31.

SERIES TRSW/G - B CABINET

HEATING CAPACITY DATA - 100% OUTDOOR AIR

TRSW150 100% OUTDOOR AIR					
EAT-DB	60°F				
EWT	30°	40°	50°	60°	70°
GPM	31.2				
P (PSI)	5.89				
CFM	2,500				
Heating Capacity- BTU/h	118,784	134,962	153,800	171,710	190,362
Watts	9,122	9,646	10,316	10,972	11,694
Heat Absorbed - BTU/h	85,642	99,946	116,970	133,718	150,612
TRSW150 100% OUTDOOR AIR					
EAT-DB	50°F				
EWT	30°	40°	50°	60°	70°
GPM	31.2				
P (PSI)	5.89				
CFM	2,500				
Total Capacity- BTU/h	121,138	136,542	156,076	174,570	193,670
Watts	8,298	8,736	9,360	9,992	10,680
Heat Rejected - BTU/h	91,398	106,276	123,668	140,702	158,154
TRSW150 100% OUTDOOR AIR					
EAT-DB	40°F				
EWT	30°	40°	50°	60°	70°
GPM	31.2				
P (PSI)	5.91				
CFM	2,500				
Total Capacity- BTU/h	123,540	139,340	159,118	177,896	197,044
Watts	7,572	7,960	8,514	9,102	9,736
Heat Rejected - BTU/h	97,290	112,328	130,080	147,346	166,760
TRSW180 100% OUTDOOR AIR					
EAT-DB	60°F				
EWT	30°	40°	50°	60°	70°
GPM	37.6				
P (PSI)	4.29				
CFM	3,000				
Total Capacity- BTU/h	146,880	172,142	189,124	210,692	233,662
Watts	10,890	11,928	12,704	13,704	14,850
Heat Rejected - BTU/h	106,228	118,484	142,958	163,112	183,114
TRSW180 100% OUTDOOR AIR					
EAT-DB	50°F				
EWT	30°	40°	50°	60°	70°
GPM	37.6				
P (PSI)	4.29				
CFM	3,000				
Total Capacity- BTU/h	147,858	167,546	191,498	213,978	237,366
Watts	9,810	10,566	11,540	12,502	13,582
Heat Rejected - BTU/h	112,330	130,602	151,306	171,420	192,038
TRSW180 100% OUTDOOR AIR					
EAT-DB	40°F				
EWT	30°	40°	50°	60°	70°
GPM	37.6				
P (PSI)	4.29				
CFM	3,000				
Total Capacity- BTU/h	150,358	170,880	194,712	217,620	241,396
Watts	8,872	9,596	10,508	11,420	12,438
Heat Rejected - BTU/h	119,124	138,100	158,964	179,658	202,140

Notes:

1. Heating mode capacity tables use 20% P.G. by volume for entering fluid temperature below 40°F.
2. Consult Addison Sizing and Application Program (ASAP) for other design parameters. This can be found on our website, www.addison-hvac.com.
3. To convert water pressure drop from PSI to feet of H2O, multiply by 2.31

SERIES TRSW/G - B CABINET

HEATING CAPACITY DATA - 100% OUTDOOR AIR

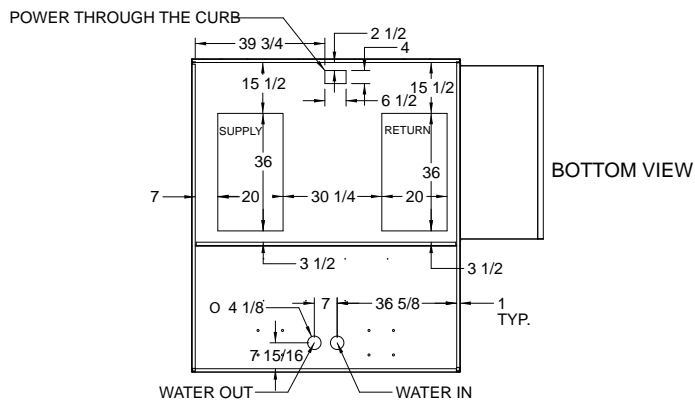
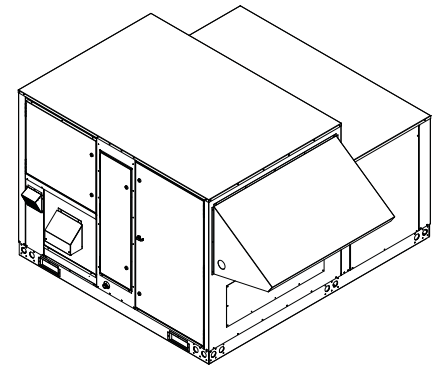
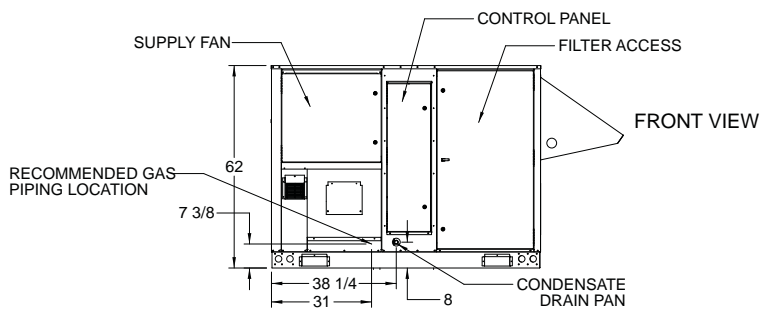
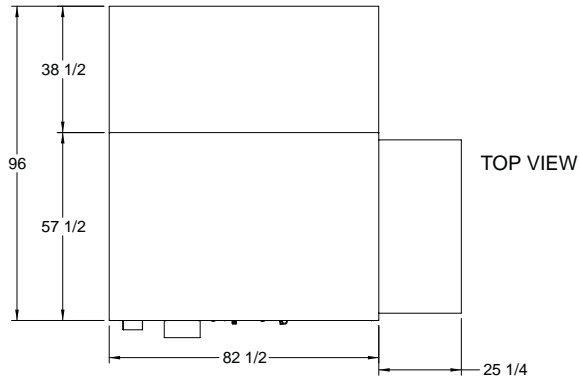
TRSW210 100% OUTDOOR AIR					
EAT-DB	60°F				
EWT	30°	40°	50°	60°	70°
GPM	43.8				
P (PSI)	5.62				
CFM	3,500				
Heating Capacity- BTU/h	156,442	178,670	204,966	229,804	255,520
Watts	11,682	12,516	13,520	14,514	15,592
Heat Absorbed - BTU/h	114,468	133,934	157,244	179,880	202,794
EAT-DB					
EAT-DB	50°F				
EWT	30°	40°	50°	60°	70°
GPM	43.8				
P (PSI)	5.62				
CFM	3,500				
Total Capacity- BTU/h	158,594	180,444	207,634	233,584	260,144
Watts	10,586	11,336	12,314	13,268	14,290
Heat Rejected - BTU/h	131,134	141,104	165,334	188,890	212,830
EAT-DB					
EAT-DB	40°F				
EWT	30°	40°	50°	60°	70°
GPM	43.8				
P (PSI)	5.63				
CFM	3,500				
Total Capacity- BTU/h	160,456	183,462	209,894	237,948	265,348
Watts	9,554	10,280	11,178	12,140	13,114
Heat Rejected - BTU/h	127,432	148,966	172,500	197,428	222,204

Notes:

1. Heating mode capacity tables use 20% P.G. by volume for entering fluid temperature below 40°F.
2. Consult Addison Sizing and Application Program (ASAP) for other design parameters. This can be found on our website, www.addison-hvac.com.
3. To convert water pressure drop from PSI to feet of H2O, multiply by 2.31

SERIES TRSW/G - B CABINET

BASE UNIT

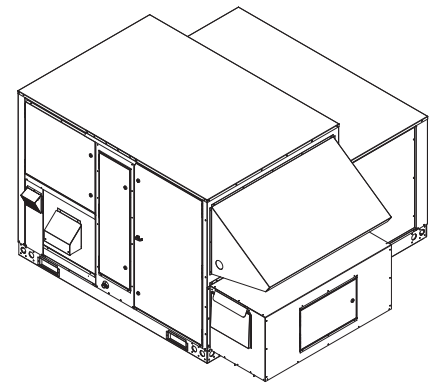
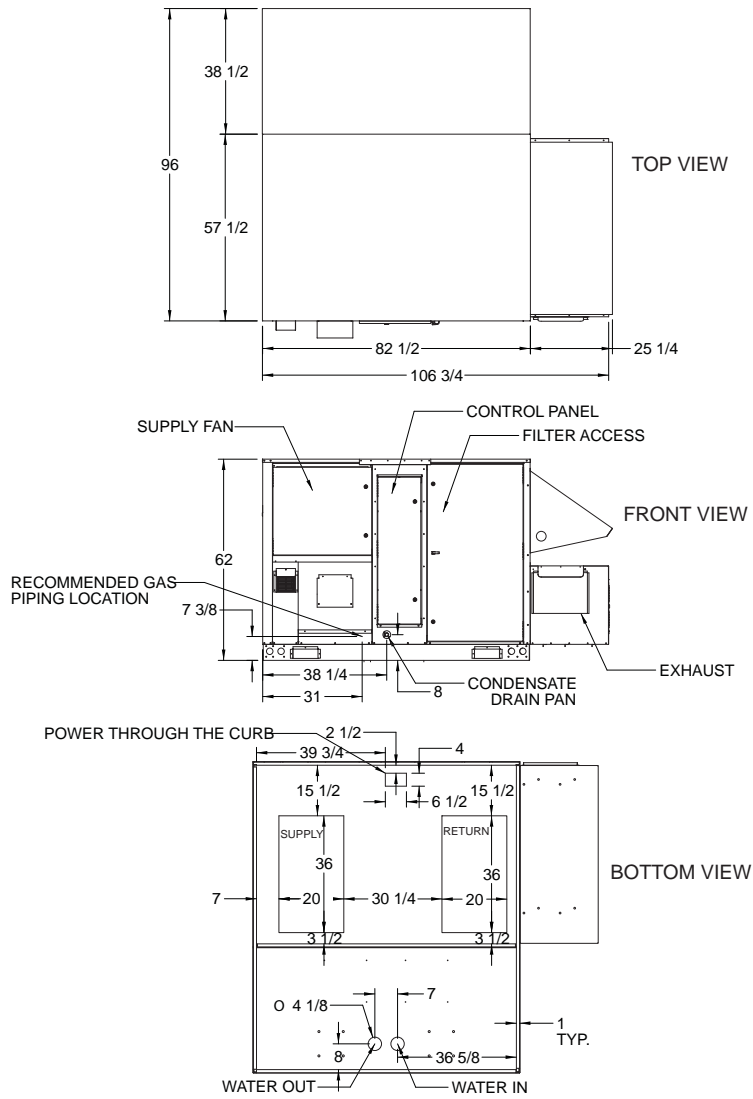


Service Clearance:

Addison recommends a minimum of 24" to 36" on all sides of unit except for the control panel side, which should have at least 60" clearance.

SERIES TRSW/G - B CABINET

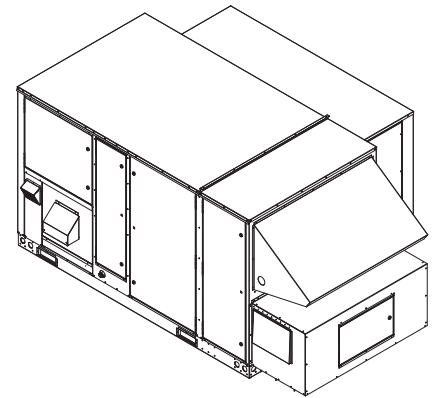
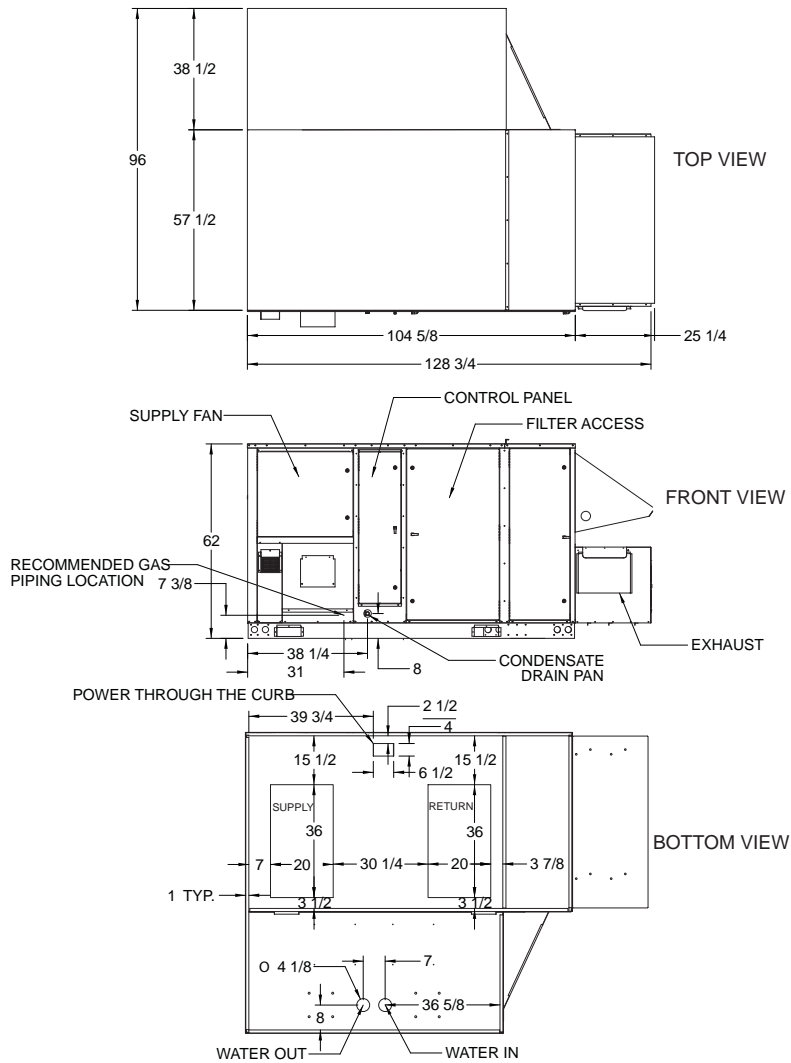
BASE UNIT WITH EXHAUST



Service Clearance:
 Addison recommends a minimum of 24" to 36" on all sides of unit except for the control panel side, which should have at least 60" clearance.

SERIES TRSW/G - B CABINET

BASE UNIT WITH WHEEL

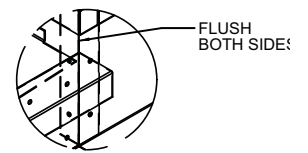
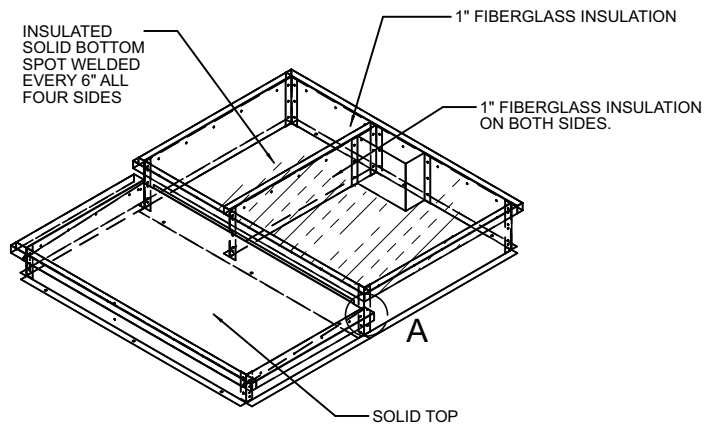
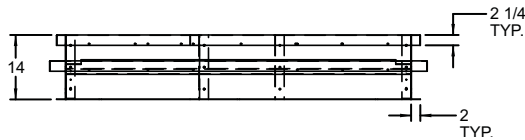
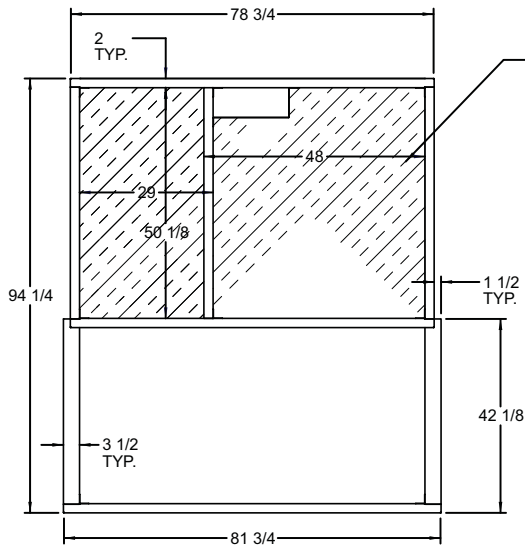


Service Clearance:

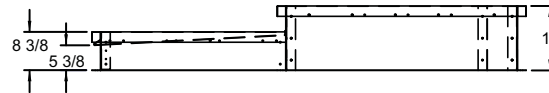
Addison recommends a minimum of 24" to 36" on all sides of unit except for the control panel side, which should have at least 60" clearance.

SERIES TRSW/G - B CABINET

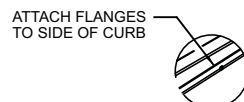
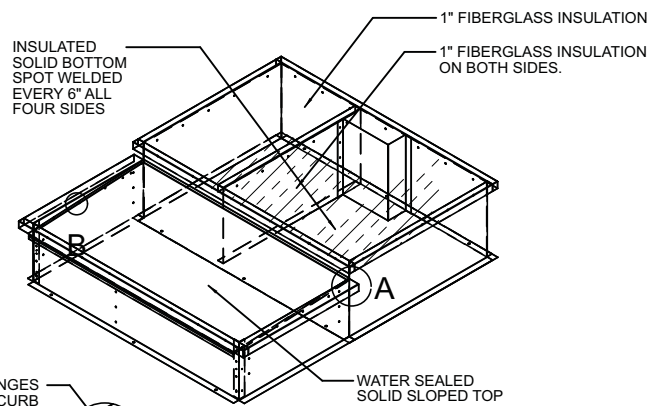
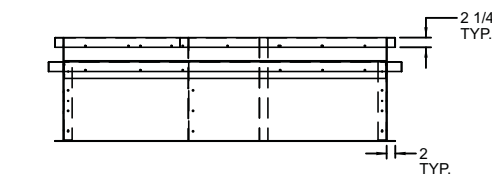
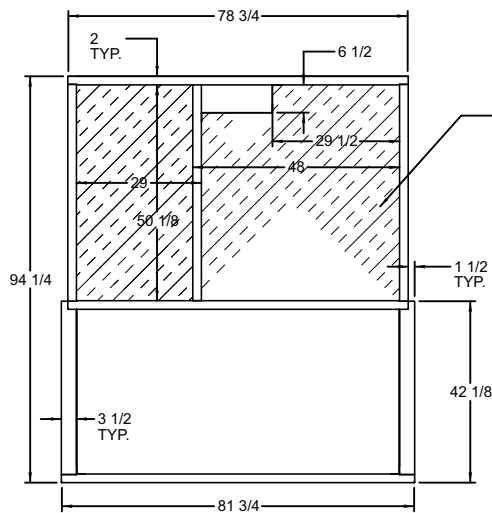
ROOF CURB



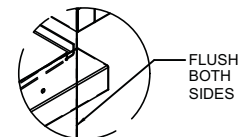
DETAIL A



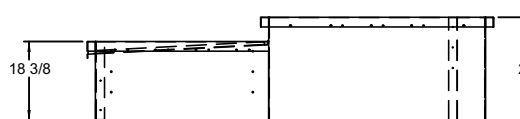
14 INCH CURB



DETAIL B



DETAIL A



24 INCH CURB

SERIES TRSW/G - C CABINET

SPECIFICATIONS

MODEL TRS	200	240	300	360	420
RECIRCULATING AIR UNITS					
Performance per ISO 13256-1 - Water Loop 1					
Airflow (CFM)	6,000	8,000	10,000	12,000	12,000
Cooling Capacity (BTUH)	225,066	263,654	358,174	414,688	477,606
Condenser Water Flow (GPM)	41.7	50.0	62.5	75.0	87.6
EER	15.8	16.4	13.9	14.3	14.7
Heating Capacity (BTUH)	264,276	298,834	439,652	497,222	583,648
COP	5.31	5.61	4.90	4.92	4.98
Performance per ISO 13256-1 - Ground Loop 2					
Airflow (CFM)	6,000	8,000	10,000	12,000	12,000
Cooling Capacity (BTUH)	234,082	274,346	372,950	430,604	496,578
Condenser Water Flow (GPM)	41.7	50.0	62.5	75.0	75.0
EER	17.7	18.5	15.59	15.9	16.5
Heating Capacity (BTUH)	167,404	190,026	285,872	315,926	373,286
COP	3.95	4.18	3.77	3.69	3.82
Physical Data					
No. Refrig. Circuits	2	2	2	2	2
Refrig. Charge R410A (oz./ckt.)	310	314	363	370	488
Evap. Area (sq. ft.)	23.00	23.00	23.00	23.00	23.00
Evap. Row / fpi	4/12	4/12	4/12	4/12	6/12
Supply Fan HP Range	3-10	3-15	3-15	3-20	3-20
Supply Fan size/type	15 x 15 FC	15 x 15 FC	18 x 18 FC	18 x 18 FC	18 x 18 FC
Filter Area (sq. ft.)	24.00	24.00	24.00	24.00	24.00
Drain Conn. (mpt.)	1-1/4"	1-1/4"	1-1/4"	1-1/4"	1-1/4"
Base Unit Weight (lb.)	3150	3200	3300	3380	3800

- Rating based on 80.6°F DB/66.2°F WB entering air, 86.0°F entering water temperature condition for cooling and 68°F DB/59.0°F WB entering air, 68.0°F entering water for heating.
- Rating based on 80.6°F DB/66.2°F WB entering air, 77.0°F entering water temperature condition for cooling and 68°F DB/59.0°F WB entering air, 32°F entering fluid for heating

100% OUTDOOR AIR UNITS

Performance at 95°F DB / 76°F WB EAT, 85°F EWT					
Nominal Airflow (CFM)	3,000	4,000	5,000	6,000	6,000
Condenser Water Flow (GPM)	41.7	50.0	62.5	75.0	87.6
Total Cooling Capacity Qt	226,358	269,712	370,354	434,516	477,358
Sensible Cooling Capacity Qs	136,278	169,274	222,630	264,354	283,402
EER	16.0	16.8	14.4	14.9	14.8
Performance at 95°F DB / 76°F WB EAT, 77°F EWT					
Nominal Airflow (CFM)	3,000	4,000	5,000	6,000	6,000
Condenser Water Flow (GPM)	41.7	50.0	62.5	75.0	75.0
Total Cooling Capacity Qt	233,310	278,314	382,274	447,888	491,448
Sensible Cooling Capacity Qs	139,226	172,720	227,636	269,844	289,558
EER	17.6	18.7	15.9	16.3	16.4
Physical Data					
No. Refrig. Circuits	2	2	2	2	2
Refrig. Charge R410A (oz./ckt.)	304	309	431	422	486
Evap. Area (sq. ft.)	15.30	15.30	23.00	23.00	23.00
Evap. Row / fpi	6/12	6/12	6/12	6/12	6/12
Supply Fan HP Range	3-10	3-15	3-15	3-20	3-20
Supply Fan size/type	15 x 15 FC	15 x 15 FC	18 x 18 FC	18 x 18 FC	18 x 18 FC
Filter Area (sq. ft.)	24.00	24.00	24.00	24.00	24.00
Drain Conn. (mpt.)	1-1/4"	1-1/4"	1-1/4"	1-1/4"	1-1/4"

SERIES TRSW/G - C CABINET

COOLING CAPACITY DATA - RECIRCULATING

TRSW200 RECIRCULATING					
EWT	45	55	65	75	85
GPM	41.7				
P (PSI)	5.38				
CFM	6,000				
Total Capacity- BTU/h	272,630	263,230	253,752	243,856	233,638
Watts	8,746	9,692	10,670	11,724	12,884
Heat Rejected - BTU/h	302,604	295,052	287,566	279,898	272,244
TRSW240 RECIRCULATING					
EWT	45	55	65	75	85
GPM	50.0				
P (PSI)	7.48				
CFM	8,000				
Total Capacity- BTU/h	318,208	307,412	296,054	284,430	272,398
Watts	9,954	10,988	12,110	13,334	14,702
Heat Rejected - BTU/h	351,988	343,394	334,538	325,710	316,934
TRSW300 RECIRCULATING					
EWT	45	55	65	75	85
GPM	62.5				
P (PSI)	4.50				
CFM	10,000				
Total Capacity- BTU/h	438,194	423,322	407,834	391,778	375,138
Watts	15,672	17,044	18,610	20,398	22,438
Heat Rejected - BTU/h	490,748	478,684	466,620	454,700	443,018
TRSW360 RECIRCULATING					
EWT	45	55	65	75	85
GPM	75.0				
P (PSI)	6.70				
CFM	12,000				
Total Capacity- BTU/h	500,420	484,588	467,908	450,454	432,254
Watts	20,182	20,898	22,026	23,584	25,586
Heat Rejected - BTU/h	568,496	553,288	538,554	524,444	511,048
TRSW420 RECIRCULATING					
EWT	45	55	65	75	85
GPM	87.6				
P (PSI)	5.57				
CFM	12,000				
Total Capacity- BTU/h	576,286	557,854	538,478	517,996	497,104
Watts	19,586	21,674	23,932	26,404	29,154
Heat Rejected - BTU/h	643,792	630,102	615,986	601,426	587,554

Notes:

1. Cooling capacities shown are based on 80°F DBT / 67°F WBT entering air coil conditions.
2. Cooling capacities shown are gross capacities.
For net capacities, multiply blower BHP (Break Horse Power) required times 2,545 and subtract from total and sensible Btu/h in tables.
3. Consult Addison Sizing and Application Program (ASAP) for other design parameters.
This can be found on our website, www.addison-hvac.com.
4. To convert water pressure drop from PSI to feet of H2O, multiply by 2.31.

SERIES TRSW/G - C CABINET

COOLING CAPACITY DATA -100% OUTDOOR AIR

TRSW200 100% OUTDOOR AIR					
EWT	45	55	65	75	85
GPM	41.7				
P (PSI)	5.38				
CFM	3,000				
Total Capacity- BTU/h	262,994	255,350	247,582	239,440	230,794
Watts	8,664	9,644	10,634	11,704	12,882
Heat Rejected - BTU/h	295,006	289,304	283,538	277,664	271,632
TRSW240 100% OUTDOOR AIR					
EWT	45	55	65	75	85
GPM	50.0				
P (PSI)	7.48				
CFM	4,000				
Total Capacity- BTU/h	313,984	304,848	295,100	284,872	274,150
Watts	9,926	10,974	12,110	13,358	14,750
Heat Rejected - BTU/h	349,980	343,058	335,824	328,456	321,058
TRSW300 100% OUTDOOR AIR					
EWT	45	55	65	75	85
GPM	62.5				
P (PSI)	4.50				
CFM	5,000				
Total Capacity- BTU/h	436,406	423,640	410,196	396,072	381,274
Watts	15,682	17,086	18,684	20,508	22,588
Heat Rejected - BTU/h	492,258	482,390	472,470	462,592	452,874
TRSW360 100% OUTDOOR AIR					
EWT	45	55	65	75	85
GPM	75.0				
P (PSI)	6.70				
CFM	6,000				
Total Capacity- BTU/h	506,670	492,702	477,808	462,078	445,438
Watts	20,384	21,138	22,294	23,876	25,902
Heat Rejected - BTU/h	578,714	565,488	552,630	540,324	528,558
TRSW420 100% OUTDOOR AIR					
EWT	45	55	65	75	85
GPM	87.6				
P (PSI)	5.58				
CFM	6,000				
Total Capacity- BTU/h	553,062	538,240	522,502	505,830	488,280
Watts	19,238	21,402	23,714	26,254	29,092
Heat Rejected - BTU/h	623,770	613,796	603,458	586,926	582,498

Notes:

1. Cooling capacities shown are based on 95°F DBT / 76°F WBT entering air coil conditions.
2. Cooling capacities shown are gross capacities.
For net capacities, multiply blower BHP (Break Horse Power) required times 2,545 and subtract from total and sensible Btu/h in tables.
3. Consult Addison Sizing and Application Program (ASAP) for other design parameters.
This can be found on our website, www.addison-hvac.com.
4. To convert water pressure drop from PSI to feet of H2O, multiply by 2.31.

SERIES TRSW/G - C CABINET

HEATING CAPACITY DATA - RECIRCULATING

TRSW200 RECIRCULATING					
EWT	30	40	50	60	70
GPM	41.7				
P (PSI)	5.56				
CFM	6,000				
Total Capacity- BTU/h	157,982	181,554	209,348	236,638	264,574
Watts	11,286	11,786	12,430	13,030	13,650
Heat Rejected - BTU/h	115,988	138,162	163,406	189,376	217,292
TRSW240 RECIRCULATING					
EWT	30	40	50	60	70
GPM	50.0				
P (PSI)	7.70				
CFM	8,000				
Total Capacity- BTU/h	179,346	206,200	237,146	266,394	299,970
Watts	12,258	12,774	13,422	14,006	14,744
Heat Rejected - BTU/h	133,868	159,216	189,452	217,904	250,190
TRSW300 RECIRCULATING					
EWT	30	40	50	60	70
GPM	62.5				
P (PSI)	5.36				
CFM	10,000				
Total Capacity- BTU/h	267,312	303,554	348,614	391,485	436,206
Watts	19,382	20,260	21,398	22,542	23,812
Heat Rejected - BTU/h	194,802	229,658	271,418	311,154	352,628
TRSW360 RECIRCULATING					
EWT	30	40	50	60	70
GPM	75.0				
P (PSI)	7.97				
CFM	12,000				
Total Capacity- BTU/h	296,644	339,534	391,070	441,342	495,452
Watts	22,160	23,210	24,406	25,694	27,234
Heat Rejected - BTU/h	215,428	254,160	303,660	351,324	401,028
TRSW420 RECIRCULATING					
EWT	30	40	50	60	70
GPM	87.6				
P (PSI)	6.58				
CFM	12,000				
Total Capacity- BTU/h	352,350	402,032	461,114	521,258	583,400
Watts	25,760	27,096	28,636	30,300	32,160
Heat Rejected - BTU/h	255,804	301,542	357,168	414,958	471,830

Notes:

1. Heating mode capacity tables use 20% P.G. by volume for entering fluid temperature below 40°F.
2. Heating capacities shown are based on 70°F entering air coil condition.
3. Consult Addison Sizing and Application Program (ASAP) for other design parameters. This can be found on our website, www.addison-hvac.com.
4. To convert water pressure drop from PSI to feet of H2O, multiply by 2.31.

SERIES TRSW/G - C CABINET

HEATING CAPACITY DATA - 100% OUTDOOR AIR

TRSW200 100% OUTDOOR AIR					
EAT-DB	60°F				
EWT	30°	40°	50°	60°	70°
GPM	41.6				
P (PSI)	5.55				
CFM	3,000				
Heating Capacity- BTU/h	155,890	177,708	201,534	227,444	252,096
Watts	12,098	13,040	14,124	15,374	16,638
Heat Absorbed - BTU/h	112,706	132,396	153,354	174,414	195,814
EAT-DB					
EAT-DB	50°F				
EWT	30°	40°	50°	60°	70°
GPM	41.6				
P (PSI)	5.56				
CFM	3,000				
Total Capacity- BTU/h	158,046	179,686	206,004	231,076	256,508
Watts	10,998	11,858	12,966	14,082	15,282
Heat Rejected - BTU/h	119,482	139,400	161,358	183,648	206,034
EAT-DB					
EAT-DB	40°F				
EWT	30°	40°	50°	60°	70°
GPM	41.6				
P (PSI)	5.56				
CFM	3,000				
Total Capacity- BTU/h	160,258	182,618	209,288	235,044	261,262
Watts	9,974	10,796	11,842	12,902	14,042
Heat Rejected - BTU/h	125,878	146,362	169,616	192,782	216,148
TRSW240 100% OUTDOOR AIR					
EAT-DB	60°F				
EWT	30°	40°	50°	60°	70°
GPM	50.0				
P (PSI)	7.70				
CFM	4,000				
Total Capacity- BTU/h	177,748	203,122	232,496	261,548	291,758
Watts	12,772	13,724	14,848	16,038	17,378
Heat Rejected - BTU/h	131,628	154,348	181,166	207,040	232,654
EAT-DB					
EAT-DB	50°F				
EWT	30°	40°	50°	60°	70°
GPM	50.0				
P (PSI)	7.70				
CFM	4,000				
Total Capacity- BTU/h	180,794	206,100	236,580	266,230	295,930
Watts	11,476	12,344	13,436	14,564	15,798
Heat Rejected - BTU/h	140,082	163,826	190,202	217,944	243,802
EAT-DB					
EAT-DB	60°F				
EWT	30°	40°	40°	60°	70°
GPM	10.0				
P (PSI)	4.66				
CFM	800				
Total Capacity- BTU/h	183,874	209,614	240,710	271,094	302,624
Watts	10,284	11,094	12,142	13,220	14,444
Heat Rejected - BTU/h	148,644	171,522	200,404	227,756	255,830

Notes:

1. Heating mode capacity tables use 20% P.G. by volume for entering fluid temperature below 40°F.
2. Consult Addison Sizing and Application Program (ASAP) for other design parameters. This can be found on our website, www.addison-hvac.com.
3. To convert water pressure drop from PSI to feet of H₂O, multiply by 2.31.

SERIES TRSW/G - C CABINET

HEATING CAPACITY DATA - 100% OUTDOOR AIR

TRSW300 100% OUTDOOR AIR					
EAT-DB	60°F				
EWT	30°	40°	50°	60°	70°
GPM	62.6				
P (PSI)	5.36				
CFM	5,000				
Heating Capacity- BTU/h	264,666	298,188	340,632	379,616	419,522
Watts	20,454	22,022	24,150	26,248	28,570
Heat Absorbed - BTU/h	189,854	220,188	256,004	288,880	321,994
TRSW300 100% OUTDOOR AIR					
EAT-DB	50°F				
EWT	30°	40°	50°	60°	70°
GPM	62.6				
P (PSI)	5.36				
CFM	5,000				
Total Capacity- BTU/h	268,422	301,528	345,464	385,374	426,202
Watts	18,464	19,918	21,936	23,924	26,128
Heat Rejected - BTU/h	202,516	234,232	269,648	303,912	338,378
TRSW300 100% OUTDOOR AIR					
EAT-DB	40°F				
EWT	30°	40°	50°	60°	70°
GPM	62.6				
P (PSI)	5.36				
CFM	5,000				
Total Capacity- BTU/h	271,042	308,452	351,148	391,760	433,468
Watts	16,612	18,118	19,944	21,808	23,894
Heat Rejected - BTU/h	215,486	245,988	283,430	318,844	354,634
TRSW360 100% OUTDOOR AIR					
EAT-DB	60°F				
EWT	30°	40°	50°	60°	70°
GPM	75.0				
P (PSI)	7.97				
CFM	6,000				
Total Capacity- BTU/h	294,236	335,826	383,548	430,522	479,152
Watts	22,870	24,604	26,732	29,036	31,672
Heat Rejected - BTU/h	212,730	248,504	290,742	330,660	371,302
TRSW360 100% OUTDOOR AIR					
EAT-DB	50°F				
EWT	30°	40°	50°	60°	70°
GPM	75.0				
P (PSI)	7.98				
CFM	6,000				
Total Capacity- BTU/h	298,190	339,396	389,312	437,420	487,276
Watts	20,694	22,274	24,314	26,488	28,990
Heat Rejected - BTU/h	223,718	265,038	305,492	347,746	390,208
TRSW360 100% OUTDOOR AIR					
EAT-DB	40°F				
EWT	30°	40°	50°	60°	70°
GPM	15.0				
P (PSI)	4.87				
CFM	1,200				
Total Capacity- BTU/h	301,868	344,572	394,526	443,848	495,014
Watts	18,716	20,226	22,126	24,180	26,560
Heat Rejected - BTU/h	235,358	275,162	322,572	366,300	410,672

Notes:

1. Heating mode capacity tables use 20% P.G. by volume for entering fluid temperature below 40°F.
2. Consult Addison Sizing and Application Program (ASAP) for other design parameters. This can be found on our website, www.addison-hvac.com.
3. To convert water pressure drop from PSI to feet of H2O, multiply by 2.31

SERIES TRSW/G - C CABINET

HEATING CAPACITY DATA - 100% OUTDOOR AIR

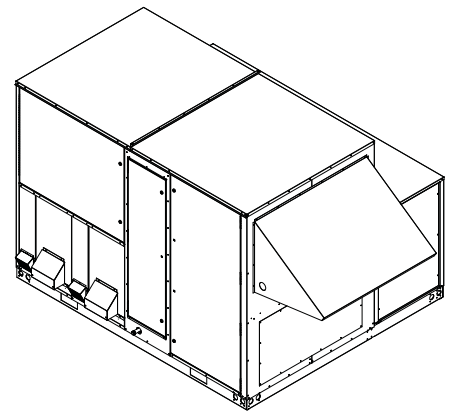
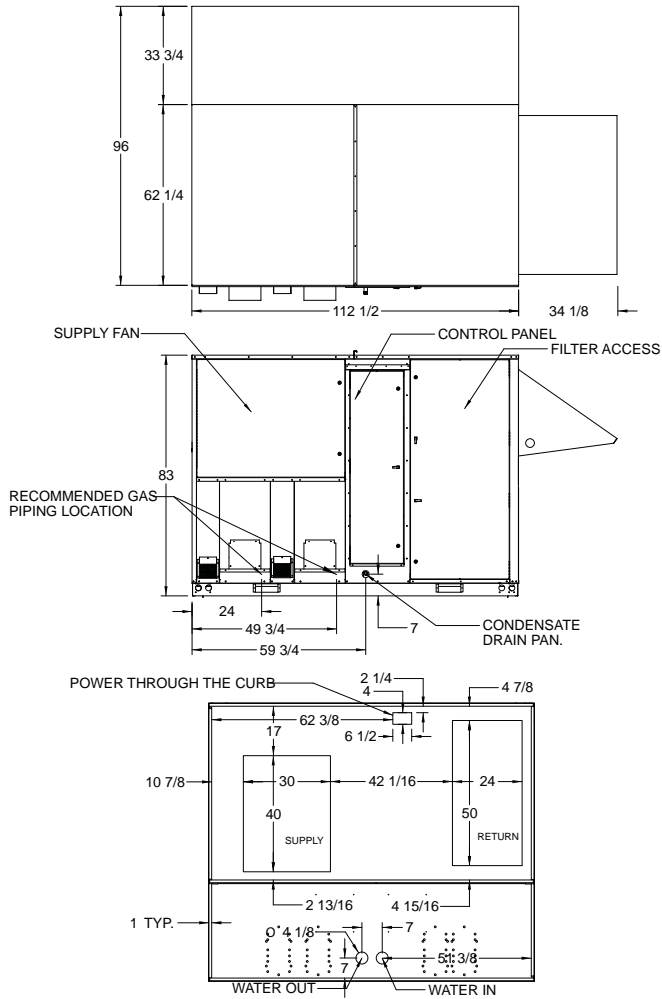
TRSW420 100% OUTDOOR AIR					
EAT-DB	60°F				
EWT	30°	40°	50°	60°	70°
GPM	87.6				
P (PSI)	6.57				
CFM	6,000				
Heating Capacity- BTU/h	346,244	393,850	449,226	502,522	556,372
Watts	28,978	31,574	34,800	38,156	40,594
Heat Absorbed - BTU/h	240,606	281,692	327,788	370,676	413,110
EAT-DB	50°F				
EWT	30°	40°	50°	60°	70°
GPM	87.6				
P (PSI)	6.58				
CFM	6,000				
Total Capacity- BTU/h	347,504	396,968	454,568	508,922	564,202
Watts	26,020	28,462	31,540	34,688	38,184
Heat Rejected - BTU/h	258,942	300,300	344,970	389,820	434,466
EAT-DB	40°F				
EWT	30°	40°	50°	60°	70°
GPM	87.6				
P (PSI)	6.58				
CFM	6,000				
Total Capacity- BTU/h	354,750	403,336	459,054	514,546	571,310
Watts	23,554	25,786	28,504	31,460	34,772
Heat Rejected - BTU/h	271,122	312,594	364,220	411,318	458,616

Notes:

1. Heating mode capacity tables use 20% P.G. by volume for entering fluid temperature below 40°F.
2. Consult Addison Sizing and Application Program (ASAP) for other design parameters. This can be found on our website, www.addison-hvac.com.
3. To convert water pressure drop from PSI to feet of H2O, multiply by 2.31

SERIES TRSW/G - C CABINET

BASE UNIT

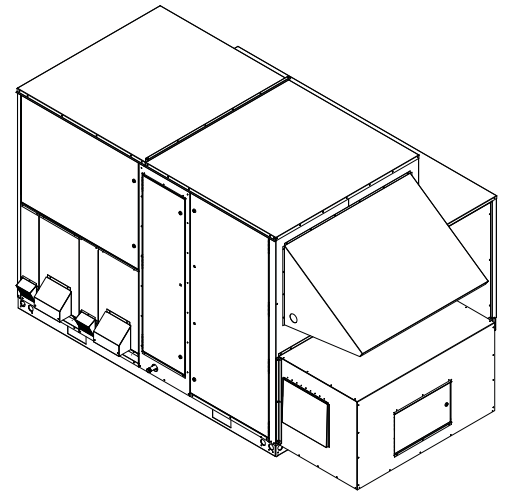
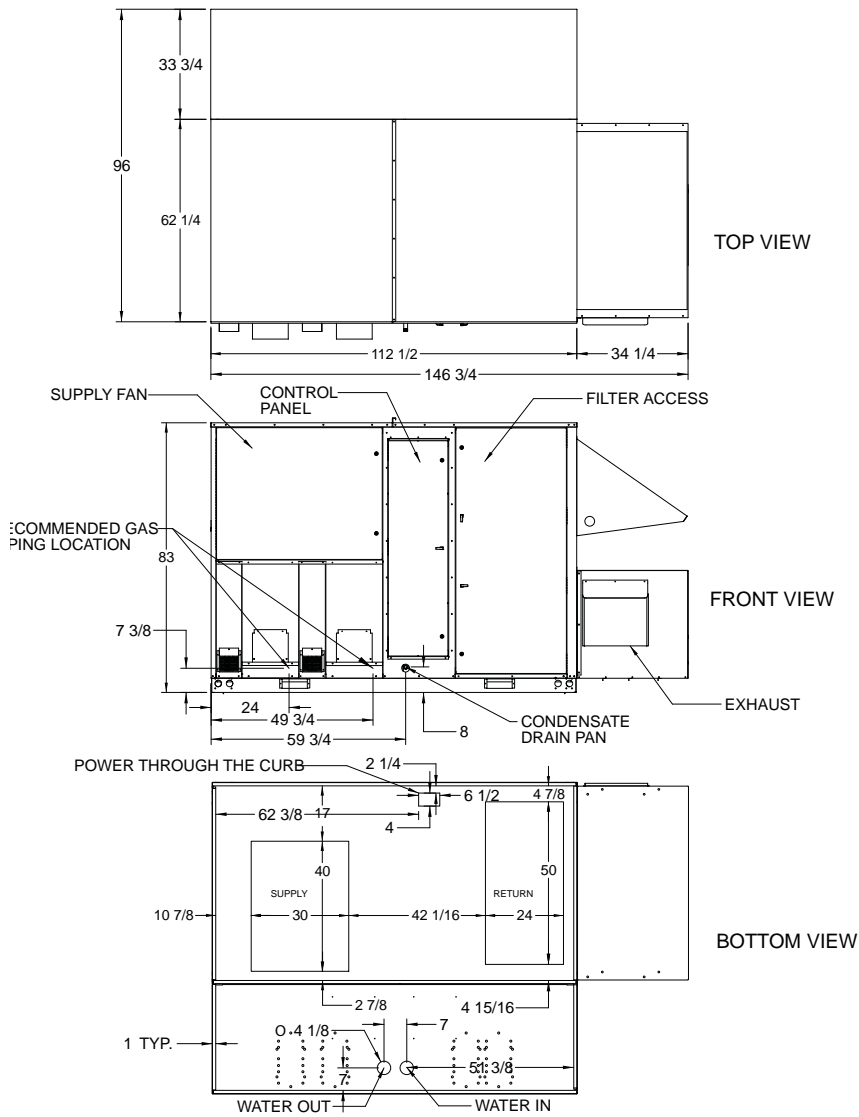


Service Clearance:

Addison recommends a minimum of 24" to 36" on all sides of unit except for the control panel side, which should have at least 60" clearance.

SERIES TRSW/G - C CABINET

BASE UNIT WITH EXHAUST

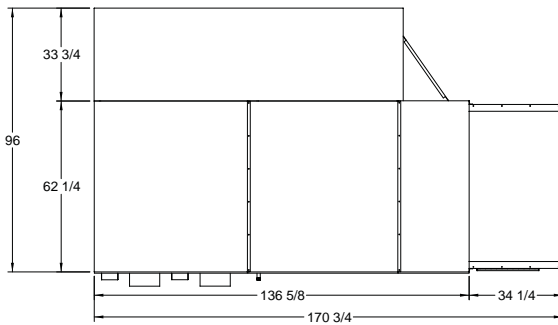


Service Clearance:

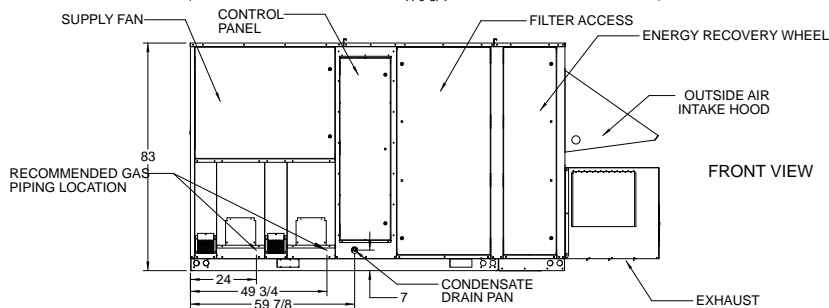
Addison recommends a minimum of 24" to 36" on all sides of unit except for the control panel side, which should have at least 60" clearance.

SERIES TRSW/G - C CABINET

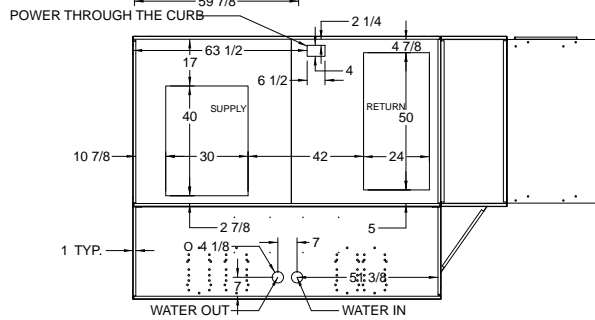
BASE UNIT WITH WHEEL



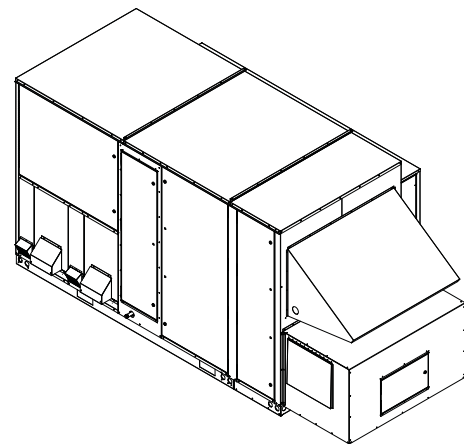
TOP VIEW



FRONT VIEW



BOTTOM VIEW

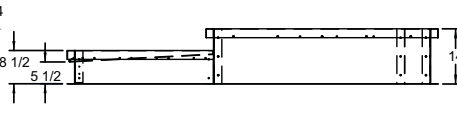
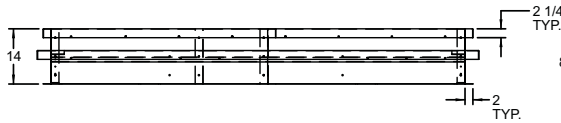
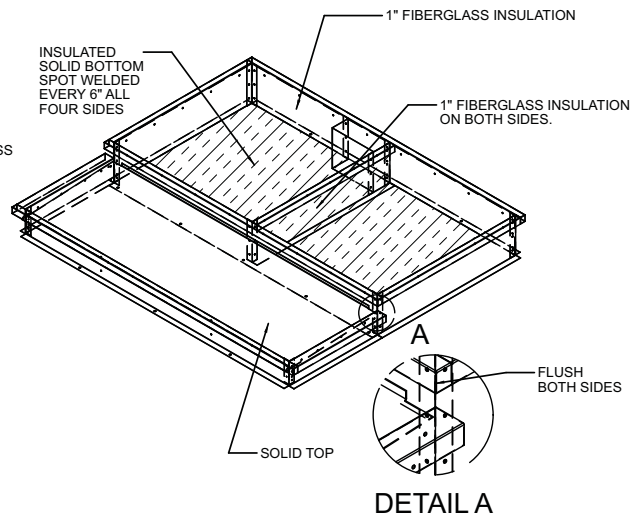
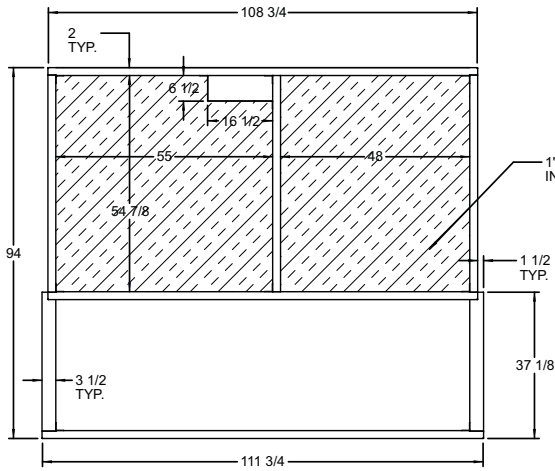


Service Clearance:

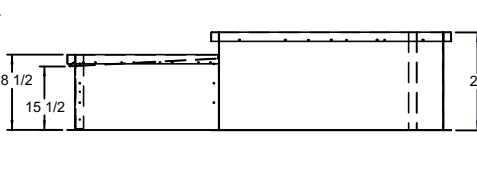
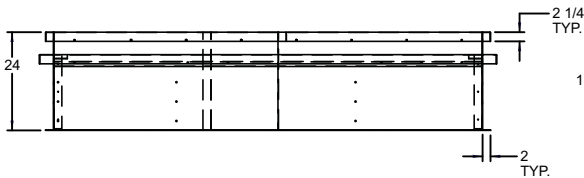
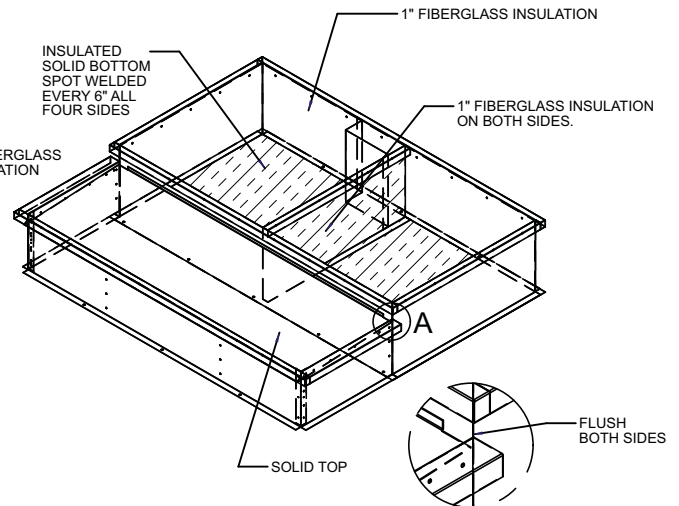
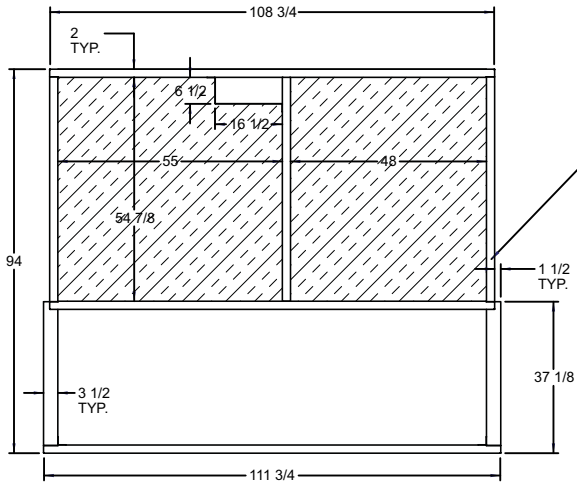
Addison recommends a minimum of 24" to 36" on all sides of unit except for the control panel side, which should have at least 60" clearance.

SERIES TRSW/G - C CABINET

ROOF CURB



14 INCH CURB



24 INCH CURB

SERIES TRSW/G A-C CABINET

ELECTRICAL DATA

COMPRESSORS

Cabinet	A				
Model	036	048	060	072	084
Quantity	1	1	1	1	1
Rated Load Amps — (RLA) each					
208-230/60/3	10.4	16.1	20.6	22.5	25.0
460/60/3	5.8	7.1	9.7	10.6	12.2
Locked Rotor Amps — (LRA)					
208-230/60/3	73.0	91.0	155.0	149.0	164.0
460/60/3	38.0	46.0	75.0	75.0	100.0
Cabinet					
B					
Model	096	120	150	180	210
Quantity	2	2	2	2	2
Rated Load Amps — (RLA) each					
208-230/60/3	16.1	20.6	22.5	29.5	29.5
460/60/3	7.1	9.7	10.6	14.8	14.8
Locked Rotor Amps — (LRA)					
208-230/60/3	91.0	155.0	149.0	195.0	195.0
460/60/3	46.0	75.0	75.0	95.0	95.0
Cabinet					
C					
Model	200	240	300	360	420
Quantity	2	2	2	2	4
Rated Load Amps — (RLA) each					
208-230/60/3	29.5	48.1	55.8	30.2	28.8
460/60/3	14.8	18.6	27.0	16.7	13.1
Locked Rotor Amps — (LRA)					
208-230/60/3	195.0	245.0	340.0	225.0	225
460/60/3	95.0	150.0	173.0	114.0	114

SUPPLY / EXHAUST FAN MOTORS

Cabinet	A				
HP	3/4	1	1 1/2		
Full Load Amps — (FLA)					
208-230/60/3	3.4	3.2	4.8		
460/60/3	1.7	1.5	2		
Cabinet					
A,B					
HP	2	3			
Full Load Amps — (FLA)					
208-230/60/3	6.3	9.8			
460/60/3	2.9	4.1			
Cabinet					
B,C					
HP	5	7.5	10	15	20
Full Load Amps — (FLA)					
208-230/60/3	15.7	22.3	29.0	43.4	57.0
460/60/3	6.8	10.0	12.9	18.9	24.5

ENERGY CONSERVATION WHEEL

Cabinet	A,B				
Wheel Size			364		
Motor Size			1/2		
Full Load Amps — (FLA) each					
208-230/60/3			2.5		
460/60/3			1.3		
Cabinet					
C					
Wheel Size			424		
Motor Size			1/2		
Full Load Amps — (FLA) each					
208-230/60/3			2.5		
460/60/3			1.3		
Cabinet					
B,C					
Wheel Size			484		
Motor Size			1/2		
Full Load Amps — (FLA) each					
208-230/60/3			2.5		
460/60/3			1.3		

Total Unit FLA, MCA and MFS Calculation

For units without factory-mounted electric heat:

1. Total Units Amps = (all compressor RLA) + (all condenser fan FLA) + (supply fan motor FLA) + (return/exhaust fan motor FLA) + (energy conservation wheel FLA)
2. MCA = (1.25 x largest compressor RLA) + (other compressor RLA + supply fan motor FLA + all condenser fan motor FLA + return/exhaust fan motor FLA + energy conservation wheel FLA)
3. MFS = (2.25 x largest compressor RLA) + (other compressor RLA + supply fan motor FLA + all condenser fan motor FLA + return/exhaust fan motor FLA + energy conservation wheel FLA)

For units with factory-mounted electric heat:

1. Total Units Amps — select the largest of the following:

- a. (all compressor RLA) + (all condenser fan FLA) + (supply fan motor FLA) + (return/exhaust fan motor FLA) + (energy conservation wheel FLA)
- b. electric heater amps + (supply fan motor FLA) + (return/exhaust fan motor FLA) + (energy conservation wheel FLA)

2. MCA — select the largest of the following:

- a. (1.25 x largest compressor RLA) + (other compressor RLA + all condenser fan motor FLA + supply fan motor FLA + return/exhaust fan motor FLA + energy conservation wheel FLA)
- b. (1.25 x electric heater amps) + (supply fan motor FLA + return/exhaust fan motor FLA) + (energy conservation wheel FLA)

3. MFS — select the largest of the following:

- a. (2.25 x largest compressor RLA) + (other compressor RLA + supply fan motor FLA + all condenser fan motor FLA + return/exhaust fan motor FLA + energy conservation wheel FLA)
- b. (2.25 x supply fan motor FLA) + electric heat amps + return/exhaust fan motor FLA + energy conservation wheel FLA

Notes:

- a. For MFS, round down to the nearest fuse size: 15, 20, 25, 30, 35, 40, 45, 60, 70, 80, 90, 100, 110, 125, 175, 200, 250, 300
- b. Under no circumstances should the MFS value be less than MCA. If the value computed for MFS is less than the MCA value, increase the MFS value to the fuse size that just exceeds the MCA value.
- c. MCA = Minimum CKT Ampacity, MFS = Maximum Fuse Size
- d. See page 5 for electric heat data



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Further Information: Applications, engineering and detailed guidance on systems design, installation and equipment performance is available through ADDISON representatives. Please contact us for any further information you may require, including the Installation, Operation and Service Manual.

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