

Job Name:	
Tag#	



Submittal Data Sheet

FTXB18AXVJU / RXB18AXVJU

1.5-Ton Wall Mounted Heat Pump System



Complete warranty details available from your local dealer or at www.daikincomfort.com. To receive the 10-Year Parts Limited Warranty, online registration must be completed within 60 days of installation. Online registration is not required in California or Quebec. *If product is installed in a commercial application, limited warranty period is 5 years.*

Indoor Specifications

Airflow Rate (cfm)	Cooling		Heating	
	H	M	H	M
	430	374	435	374
	L		L	
	318		318	
Sound (dBA) H / M / L	40 / 37 / 35		40 / 37 / 35	
Dimensions (H × W × D) (in)		12-5/8 × 46-1/8 × 9-1/2		
Weight (Lbs)		31		

Outdoor Specifications

Compressor	Hermetically Sealed Swing Type			
Refrigerant	R-410A			
Factory Charge (Lbs)	2.75			
Refrigerant Oil	PVE (FVC50K)			
Airflow Rate (cfm)	Cooling		Heating	
	H	1690	H	1690
Sound Pressure Level (dBA)	53			
Dimensions (H x W x D) (in)	25-11/16 x 33-11/16 x 12-15/16			
Weight (Lbs)	82			

Efficiency

Cooling		Heating	
SEER	17	HSPF	9
EER	10.5	COP	3.3

Performance

Cooling (Btu/hr)	
Rated (Min/Max)	18,000 (4,300 – 21,200)
Sensible @ AHRI	12,864
Operating Range	50°F – 115°F

Rated Cooling Conditions: Indoor: 80°F DB/67°F WB
Outdoor: 95°F DB/75°F WB

Heating (Btu/hr)	
1: @ 47° Rated (Min/Max)	17,900 (4,000 – 22,500)
2: @ 17° Rated	10,200
3: @ 5°	8,765
Operating Range	5°F – 65°F

1: Rated Heating Conditions: Indoor: 70°F DB/60°F WB
Outdoor: 47°F DB/43°F WB
2: Rated Heating Conditions: Indoor: 70°F DB/60°F WB
Outdoor: 17°F DB/15°F WB
3: Heating Conditions: Indoor: 69.8°F DB
Outdoor: 5°F WB

Electrical

	208/60/1	230/60/1
System MCA	16.2	16.2
System MFA	20	20
Compressor RLA	16	16
Outdoor fan motor FLA	.50	.50
Outdoor fan motor W	61	61
Indoor fan motor FLA	.24	.24
Indoor fan motor W	40	40

MFA: Max. fuse amps MCA: Min. circuit amps (A) FLA: Full load amps (A)
RLA: Rated load amps (A) W: Fan motor rated output (W)

Piping

Liquid (in)	1/4
Gas (in)	1/2
Drain (in)	3/4
Max. Interunit Piping Length (ft)	98.4
Max. Interunit Height Difference (ft)	32.8
Chargeless (ft)	24.6
Additional Charge of Refrigerant (oz/ft)	.21

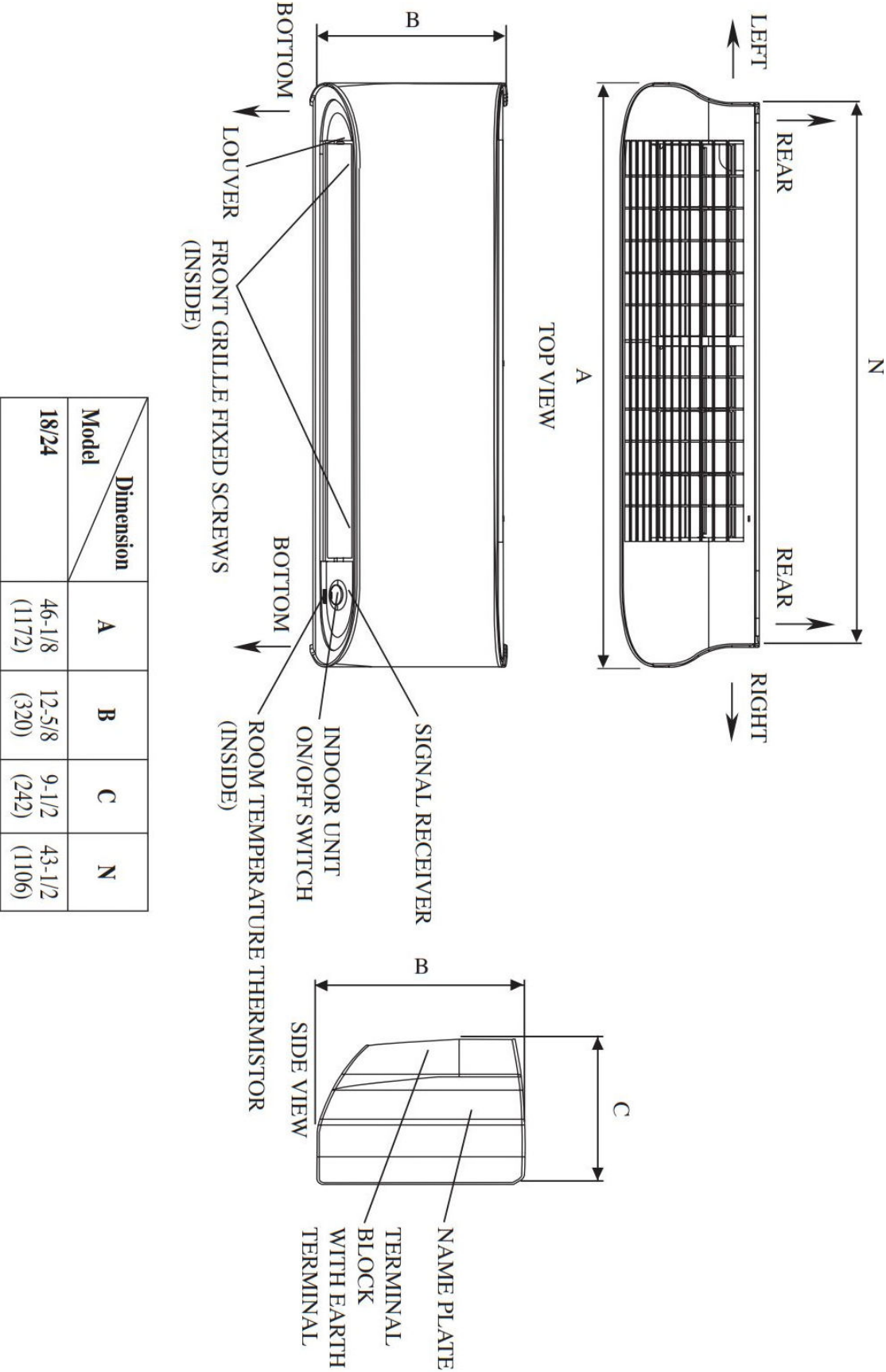
Daikin North America LLC San Felipe, Suite 500 Houston, TX 77056

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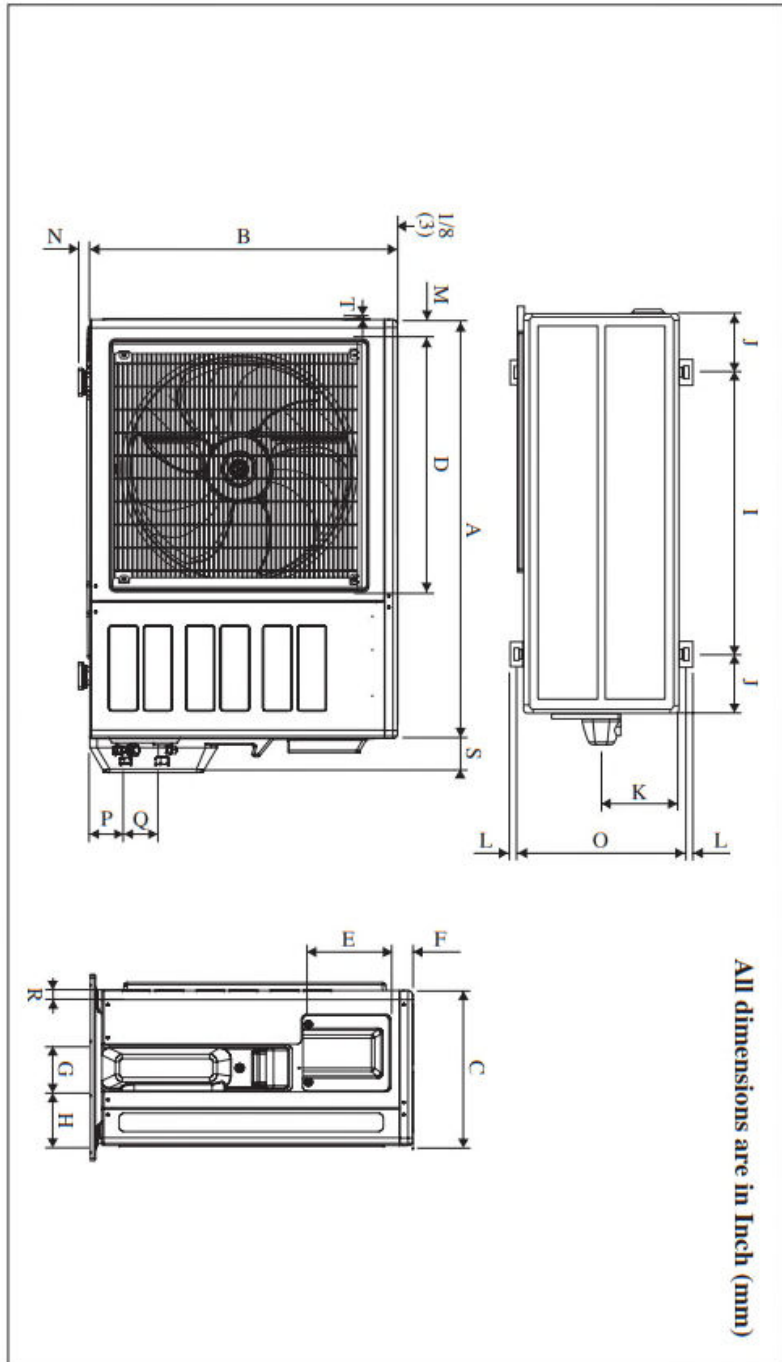
FTXB18AXVJU Dimensional Data



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Model	Dimension	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
18		33-11/16 (855)	24-3/4 (628)	12-15/16 (328)	20-1/2 (520)	7-1/16 (179)	1-13/16 (46)	4 (101)	4-7/16 (113)	23-3/4 (603)	4-15/16 (126)	6-7/16 (164)	9/16 (15)	1-5/16 (34)	15/16 (23)	14-1/4 (362)
24		33-11/16 (855)	28-3/4 (730)	12-15/16 (328)	20-1/2 (520)	7-1/16 (179)	1-13/16 (46)	4 (101)	4-7/16 (113)	23-3/4 (603)	4-15/16 (126)	6-7/16 (164)	9/16 (15)	1-5/16 (34)	15/16 (23)	14-1/4 (362)
Model	Dimension	P	Q	R	S	T										
18		2-7/8 (73)	2-15/16 (75)	5/16 (8)	2-5/8 (67)	1/4 (7)										
24		2-7/8 (73)	2-15/16 (75)	5/16 (8)	2-5/8 (67)	1/4 (7)										



FTXB18AXVJU / RXB18AXVJU Performance Tables



Cooling Mode

AFR (CFM)	EWB	EDB	Outdoor temperature																	
			66.2°F			77.0°F			86.0°F			95.0°F			104.0°F			114.8°F		
			TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI
318	61.6°F	69.2°F	16971	11207	1.30	16371	10914	1.41	15762	10620	1.52	15130	10316	1.65	13893	9600	1.79	12826	9030	1.97
		74.6°F	16994	13419	1.30	16390	13112	1.41	15783	12807	1.52	15152	12489	1.65	13921	11664	1.79	12876	11005	1.97
		80.0°F	17128	15215	1.30	16558	14869	1.41	15976	14518	1.53	15374	14147	1.65	14186	13165	1.80	13198	12364	1.98
		85.4°F	17655	17655	1.31	17148	17148	1.42	16628	16628	1.54	16093	16093	1.67	14917	14917	1.81	13956	13956	2.00
		74.6°F	18719	10463	1.32	18063	10198	1.43	17400	9926	1.55	16711	9646	1.68	15358	8984	1.82	14198	8460	2.01
		80.0°F	18732	11971	1.32	18072	11701	1.43	17411	11433	1.55	16725	11156	1.68	15373	10436	1.82	14216	9886	2.01
	67.0°F	85.4°F	18761	14772	1.32	18113	14457	1.43	17473	14137	1.55	16810	13797	1.68	15478	12902	1.82	14359	12210	2.01
		90.8°F	18983	18983	1.32	18365	18365	1.43	17770	17770	1.55	17164	17164	1.69	15881	15881	1.83	14847	14847	2.02
		80.0°F	20594	10241	1.34	19881	9993	1.46	19157	9743	1.58	18408	9475	1.71	16927	8829	1.86	15669	8324	2.05
		85.4°F	20601	12480	1.34	19889	12214	1.46	19160	11937	1.58	18412	11653	1.71	16933	10908	1.86	15675	10344	2.05
		90.8°F	20612	14575	1.34	19899	14298	1.46	19174	14014	1.58	18425	13724	1.71	16955	12884	1.86	15714	12239	2.05
		96.2°F	20679	16528	1.35	19996	16197	1.46	19302	15860	1.58	18600	15510	1.72	17152	14541	1.86	15948	13796	2.05
	72.4°F	69.2°F	17659	11688	1.31	17021	11387	1.42	16376	11084	1.54	15707	10772	1.66	14412	10030	1.81	13296	9440	1.99
		74.6°F	17712	14187	1.31	17075	13855	1.42	16436	13524	1.54	15772	13184	1.67	14490	12300	1.81	13394	11608	1.99
		80.0°F	17925	16114	1.31	17323	15738	1.42	16725	15334	1.54	16125	14877	1.67	14886	13818	1.82	13869	12926	2.00
		85.4°F	18672	18672	1.32	18132	18132	1.43	17579	17579	1.56	17008	17008	1.69	15759	15759	1.83	14730	14730	2.03
		74.6°F	19454	11058	1.33	18761	10780	1.44	18058	10499	1.56	17331	10210	1.69	15916	9514	1.84	14704	8968	2.02
		80.0°F	19488	12736	1.33	18793	12455	1.44	18090	12173	1.56	17364	11884	1.70	15954	11110	1.84	14749	10519	2.03
374	61.6°F	85.4°F	21401	13285	1.36	20647	13010	1.47	19877	12720	1.59	19089	12423	1.73	17544	11635	1.87	16229	11041	2.06
		90.8°F	21440	15568	1.36	20695	15270	1.47	19935	14959	1.60	19150	14640	1.73	17618	13732	1.88	16330	13038	2.07
		96.2°F	21572	17598	1.36	20876	17265	1.47	20146	16906	1.60	19414	16512	1.74	17911	15452	1.88	16699	14577	2.08
	67.0°F	69.2°F	18313	12197	1.32	17641	11887	1.43	16964	11574	1.55	16261	11250	1.68	14914	10478	1.82	13748	9861	2.01
		74.6°F	18409	14821	1.32	17739	14469	1.43	17072	14115	1.55	16382	13744	1.68	15046	12826	1.82	13900	12093	2.01
		80.0°F	18705	16984	1.33	18093	16546	1.44	17482	16082	1.56	16855	15585	1.69	15576	14437	1.83	14514	13479	2.02
		85.4°F	19641	19641	1.34	19066	19066	1.45	18480	18480	1.57	17872	17872	1.71	16548	16548	1.86	15455	15455	2.05
		74.6°F	20156	11699	1.34	19427	11410	1.45	18688	11117	1.58	17928	10816	1.71	16453	10083	1.85	15190	9511	2.04
		80.0°F	20215	13535	1.34	19489	13226	1.46	18756	12916	1.58	18000	12600	1.71	16527	11784	1.85	15274	11148	2.04
	72.4°F	85.4°F	20382	16657	1.35	19661	16294	1.46	18957	15921	1.58	18230	15522	1.71	16785	14497	1.86	15582	13665	2.05
		90.8°F	20824	20824	1.35	20215	20215	1.47	19592	19592	1.59	18946	18946	1.73	17552	17552	1.88	16415	16415	2.07
		80.0°F	22117	11444	1.37	21331	11194	1.48	20529	10913	1.61	19703	10626	1.74	18098	9915	1.89	16726	9363	2.08
		85.4°F	22163	14109	1.37	21373	13842	1.48	20570	13540	1.61	19743	13233	1.74	18140	12391	1.89	16777	11747	2.08
		90.8°F	22240	16535	1.37	21471	16246	1.49	20681	15904	1.61	19868	15553	1.75	18279	14578	1.89	16934	13835	2.09
		96.2°F	22437	18670	1.37	21735	18330	1.49	20983	17929	1.62	20229	17484	1.75	18691	16308	1.90	17435	15353	2.10

Heating Mode

Indoor DB°F	Outdoor WB°F											
	5.0		14.0		23.0		32.0		42.8		50.0	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
60.8	8981	1.14	11141	1.23	13302	1.30	15493	1.38	18086	1.48	19814	1.54
64.4	8888	1.20	11049	1.28	13240	1.36	15400	1.44	17993	1.53	19721	1.60
68.0	8796	1.25	10956	1.34	13148	1.41	15308	1.50	17900	1.59	19629	1.66
69.8	8765	1.28	10925	1.37	13086	1.44	15246	1.52	17870	1.62	19598	1.68
71.6	8703	1.31	10895	1.39	13055	1.47	15215	1.55	17808	1.65	19536	1.71
75.2	8611	1.37	10802	1.45	12962	1.53	15123	1.61	17715	1.70	19444	1.77

Remark:

AFR: Air flow rate (CFM)

EWB: Entering Wet Bulb Temp. (°F)

EDB: Entering Dry Bulb Temp. (°F)

TC: Total Cooling Capacity (Btu/h)

SC: Sensible Cooling Capacity (Btu/h)

PI: Power Input (kW)

Notes:

1. Ratings shown are net capacities.
2. Shows nominal capacities.
3. Direct interpolation is permissible. Do not extrapolate.

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