

Job Name:	
Tag#	



## Submittal Data Sheet

FTKB18AXVJU / RKB18AXVJU

1.5-Ton Wall Mounted Cooling Only System



### Efficiency

Cooling	
SEER	17
EER	10.5

### Performance

Cooling (Btu/hr)	
Rated (Min/Max)	18,000 (4,300 – 21,200)
Sensible @ AHRI	12,932
Operating Range	50°F – 115°F

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

### Electrical

	208/60/1	230/60/1
System MCA	13.2	13.2
System MFA	20	20
Compressor RLA	13	13
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)

### Indoor Specifications

Airflow Rate (cfm)	Cooling	
	H	M
	430	374
	L	
	318	
Sound (dBA) H / M / L	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	
	H	1690
Sound Pressure Level (dBA)	53	
Dimensions (H × W × D) (in)	25-11/16 × 33-11/16 × 12-15/16	
Weight (Lbs)	82	

### Piping

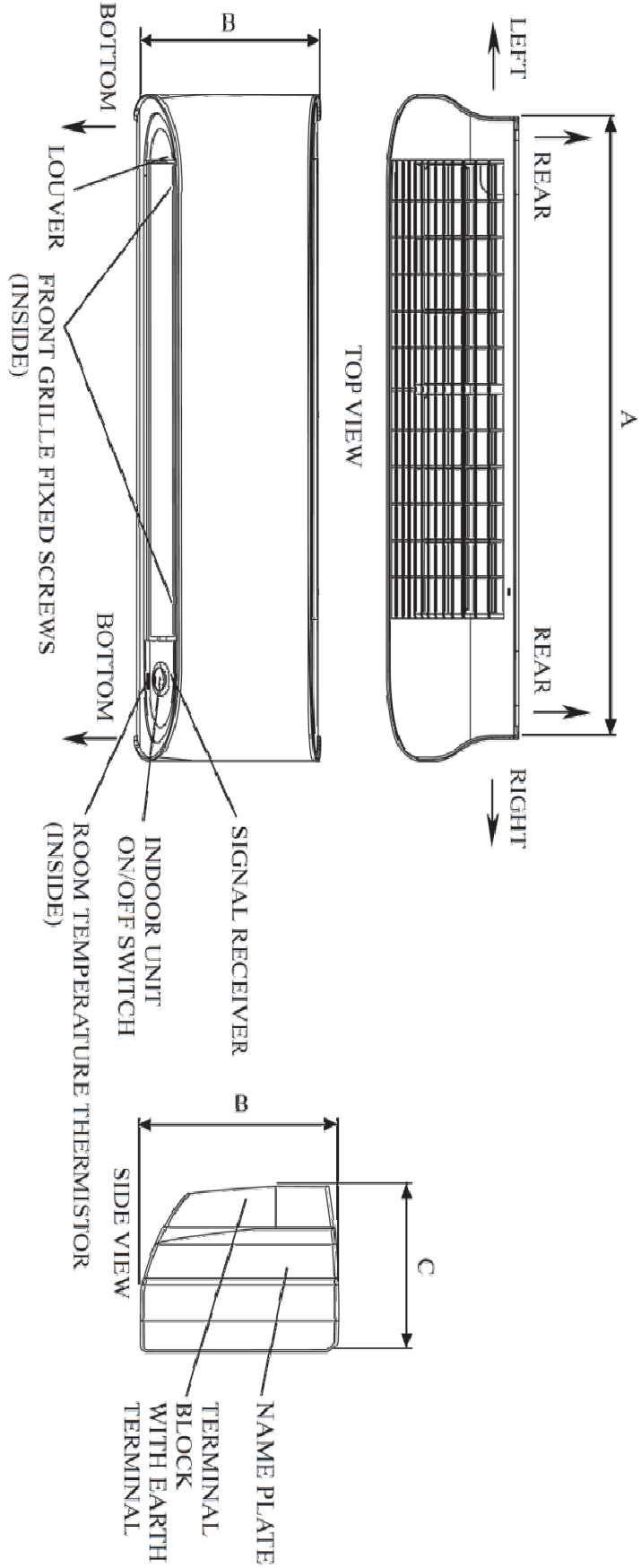
Liquid (in)	1/4
Gas (in)	1/2
Drain (in)	3/4
Max. Interunit Piping Length (ft)	98.4
Max. Interunit Height Difference (ft)	32.8
Chargeless (ft)	24.6
Additional Charge of Refrigerant (oz/ft)	.21

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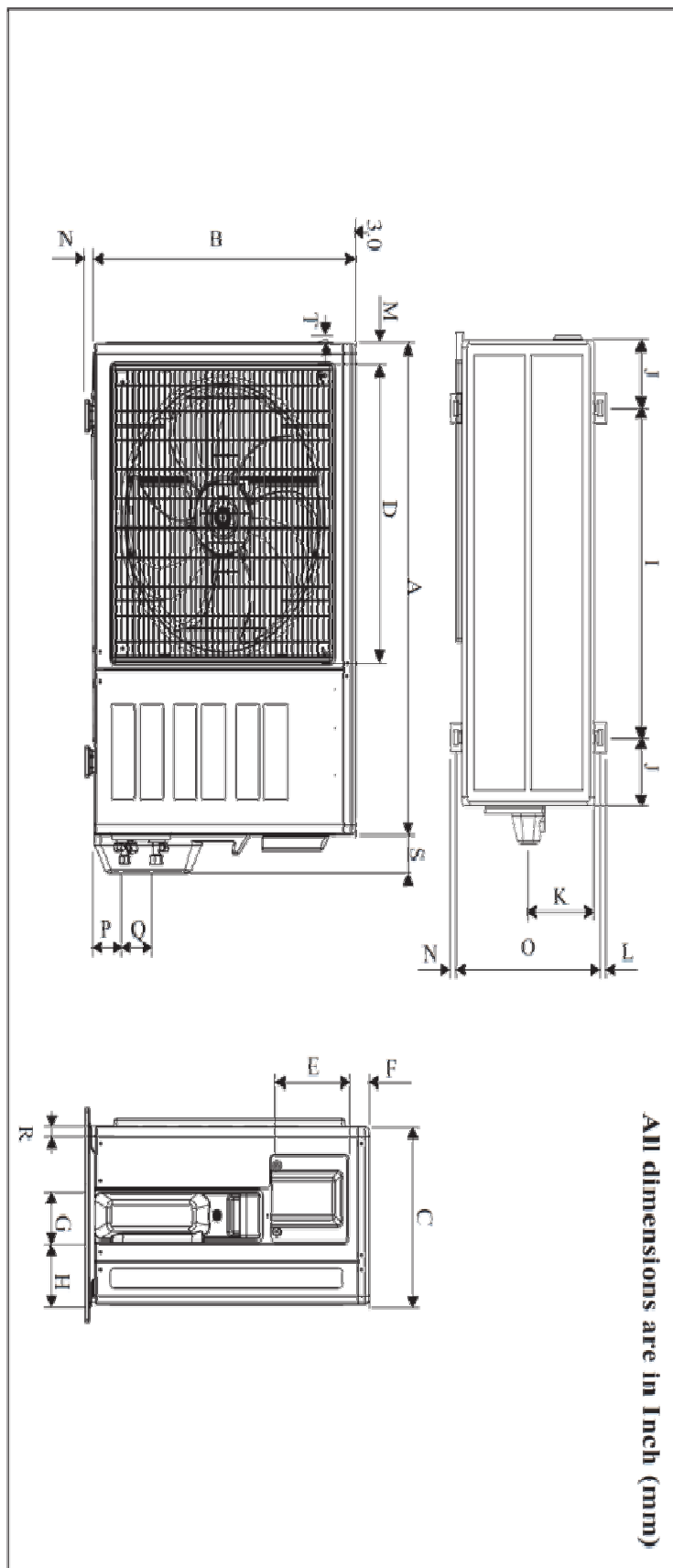
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Submittal Revision Date: May 2019

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Model	Dimension		
	A	B	C
18/24	46-1/8 (1172)	12-5/8 (320)	9-1/2 (242)



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)	5-3/4 (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)	5-3/4 (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)										

# FTKB18AXVJU / RKB18AXVJU 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
	67.0°F	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
		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
	72.4°F	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
374	61.6°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
	67.0°F	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
		85.4°F	19581	15712	1.33	18900	15372	1.44	18223	15028	1.57	17527	14660	1.70	16137	13708	1.84	14972	12950	2.03
		90.8°F	19908	19908	1.34	19301	19301	1.45	18686	18686	1.57	18066	18066	1.71	16734	16734	1.86	15645	15645	2.05
	72.4°F	80.0°F	21375	10826	1.36	20623	10572	1.47	19856	10305	1.59	19067	10027	1.73	17521	9352	1.87	16206	8824	2.06
		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
430	61.6°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
	67.0°F	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
		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
	72.4°F	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

### 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.