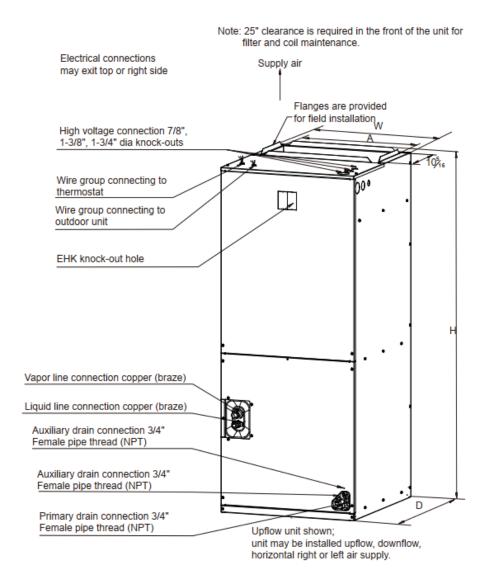
Submittal

TAG:

PRODUCT NAME				
LOCATION				
ARCHITECT				
ENGINEER				
CONTRACTOR				
SUBMITTED BY			DATA	
	UNIT SU	MMARY	1	
Quantity				
Unit Designation				
Model No.				
Cooling Input				
Cooling Output				
CFM/ESP				
Electrical				
Minimum Ampacity				
Max Overcurrent Protection				
Net Unit Weight				
Accessory				
Catalog Form Number				
ACCESSORIES		NOTES		

High-Efficiency Air Handlers LCM7 Series

Cooling capacity: 36 kBTU/h



Model Size	Unit Height "H" in. [mm]	Unit Width "W" in. [mm]	Unit Length "D" in. [mm]	Supply Duct "A"	Unit Weight (lbs.[kg])
24	41-3/8 [1050]	18-1/8 [460]	20-1/2 [520]	16 [406]	101 [46]
36	46-1/2 [1180]	19-5/8 [500]	21-5/8 [550]	18 [456]	121 [55]
48	54-1/2 [1385]	22 [560]	24 [610]	19-1/2 [496]	151 [69]
60	54-1/2 [1385]	22 [560]	24 [610]	19-1/2 [496]	159 [72]
61	54-1/2 [1385]	22 [560]	24 [610]	19-1/2 [496]	161 [73]

Specifications

NOMINAL RATING Cooling (BTU/h) 34200 CFM (High/Low range) 1240 External Static Pressure (in.w.c) [Pa] 0.58 [145] ELECTRICAL DATA Voltage / Phase(60Hz) 208V/230V-1ph-60Hz Min. / Max. Voltage (V) 187/253 Min. Circuit Amps (MCA) (A) 4.2 Max. Overcurrent Protection (MOP) (A) 15 FAN MOTOR Motor Type ECM Capacitor (uF) / Horsepower (HP) 1/2 Rated RPM 1050 MOC 3.3 FAN BLOWER Material Metal Type Centrifugal Diameter(in.) [mm] 10 [278.5] Height(in.) [mm] 10 [271] Coil Drain Connection FPT (in.) 3/4 EVAPORATOR COIL Type Aluminum Tube Material Aluminum Tube Size (in.) 9/32 SOUND POWER (dB) 70 REFRIGERANT CONNECTION SIZE Liquid Line Size (O.D.) (in.) 3/8		LCM7-36-15
CFM (High/Low range) External Static Pressure (in.w.c) [Pa] ELECTRICAL DATA Voltage / Phase(60Hz) Min. / Max. Voltage (V) Min. Circuit Amps (MCA) (A) Max. Overcurrent Protection (MOP) (A) FAN MOTOR Motor Type Capacitor (uF) Horsepower (HP) MOC 3.3 FAN BLOWER Material Metal Type Centrifugal Diameter(in.) [mm] Diameter(in.) [mm] Coil Drain Connection FPT (in.) Tube Material Aluminum Tube Size (in.) SOUND POWER (dB) REFRIGERANT CONNECTION SIZE Liquid Line Size (O.D.) (in.) A08V/230V-1ph-60Hz 208V/230V-1ph-60Hz Aluxi 187/253 4.2 208V/230V-1ph-60Hz 4.2 Contriph-60Hz 4.2 208V/230V-1ph-60Hz 4.2 Comparion 15 REFRIGERANT CONNECTION SIZE Liquid Line Size (O.D.) (in.) 3/8	NOMINAL RATING	
CFM (High/Low range) External Static Pressure (in.w.c) [Pa] ELECTRICAL DATA Voltage / Phase(60Hz) Min. / Max. Voltage (V) Min. Circuit Amps (MCA) (A) Max. Overcurrent Protection (MOP) (A) FAN MOTOR Motor Type Capacitor (uF) Horsepower (HP) MOC 3.3 FAN BLOWER Material Metal Type Centrifugal Diameter(in.) [mm] Diameter(in.) [mm] Coil Drain Connection FPT (in.) Tube Material Aluminum Tube Size (in.) SOUND POWER (dB) REFRIGERANT CONNECTION SIZE Liquid Line Size (O.D.) (in.) A08V/230V-1ph-60Hz 187/253 A4.2 208V/230V-1ph-60Hz A1.2 208V/230V-1ph-60Hz A1.2 208V/230V-1ph-60Hz A1.2 208V/230V-1ph-60Hz A1.2 208V/230V-1ph-60Hz A1.2 A1.2 208V/230V-1ph-60Hz A1.2 A1.2 A1.2 A1.2 A1.3 A1.3	Cooling (BTU/h)	34200
ELECTRICAL DATA Voltage / Phase(60Hz) 208V/230V-1ph-60Hz Min. / Max. Voltage (V) 187/253 Min. Circuit Amps (MCA) (A) 4.2 Max. Overcurrent Protection (MOP) (A) 15 FAN MOTOR Motor Type ECM Capacitor (uF) / Horsepower (HP) 1/2 Rated RPM 1050 MOC 3.3 FAN BLOWER Material Metal Type Centrifugal Diameter(in.) [mm] 10 [278.5] Height(in.) [mm] 10 [271] Coil Drain Connection FPT (in.) 3/4 EVAPORATOR COIL Type Aluminum Tube Material Aluminum Tube Size (in.) 9/32 SOUND POWER (dB) 70 REFRIGERANT CONNECTION SIZE Liquid Line Size (O.D.) (in.) 3/8		1240
ELECTRICAL DATA Voltage / Phase(60Hz) 208V/230V-1ph-60Hz Min. / Max. Voltage (V) 187/253 Min. Circuit Amps (MCA) (A) 4.2 Max. Overcurrent Protection (MOP) (A) 15 FAN MOTOR Motor Type ECM Capacitor (uF) / Horsepower (HP) 1/2 Rated RPM 1050 MOC 3.3 FAN BLOWER Material Metal Type Centrifugal Diameter(in.) [mm] 10 [278.5] Height(in.) [mm] 10 [271] Coil Drain Connection FPT (in.) 3/4 EVAPORATOR COIL Type Aluminum Tube Material Aluminum Tube Size (in.) 9/32 SOUND POWER (dB) 70 REFRIGERANT CONNECTION SIZE Liquid Line Size (O.D.) (in.) 3/8	External Static Pressure (in.w.c)	0.58 [145]
Voltage / Phase(60Hz) Min. / Max. Voltage (V) 187/253 Min. Circuit Amps (MCA) (A) Max. Overcurrent Protection (MOP) (A) FAN MOTOR Motor Type Capacitor (uF) Horsepower (HP) 1/2 Rated RPM 1050 MOC 3.3 FAN BLOWER Material Metal Type Centrifugal Diameter(in.) [mm] 10 [278.5] Height(in.) [mm] 10 [271] Coil Drain Connection FPT (in.) Type Aluminum Tube Material Aluminum Tube Size (in.) P/32 SOUND POWER (dB) REFRIGERANT CONNECTION SIZE Liquid Line Size (O.D.) (in.) 15 208V/230V-1ph-60Hz 4.2 ECM 4.2 4.2 4.2 4.2 4.2 4.2 4.2 4.2 4.2 4.		0.50 [115]
Min. / Max. Voltage (V) Min. Circuit Amps (MCA) (A) Max. Overcurrent Protection (MOP) (A) FAN MOTOR Motor Type Capacitor (uF) Horsepower (HP) Rated RPM MOC Augustation Moc Moc Type Centrifugal Diameter(in.) [mm] Diameter(in.) [mm] Coil Drain Connection FPT (in.) Type Aluminum Tube Material Tube Material Aluminum Tube Size (in.) Policy Aluminum Tube Size (in.) REFRIGERANT CONNECTION SIZE Liquid Line Size (O.D.) (in.) 15 15 16 17 17 18 18 19 10 10 10 10 10 10 10 10 10		2001/2001/4 5011
Min. Circuit Amps (MCA) (A) Max. Overcurrent Protection (MOP) (A) FAN MOTOR Motor Type Capacitor (uF) Horsepower (HP) Rated RPM MOC 3.3 FAN BLOWER Material Metal Type Centrifugal Diameter(in.) [mm] 10 [278.5] Height(in.) [mm] Coil Drain Connection FPT (in.) Type Aluminum Aluminum Tube Material Aluminum Tube Size (in.) REFRIGERANT CONNECTION SIZE Liquid Line Size (O.D.) (in.) 15 4.2 ECM 4.2 4.2 4.2 4.2 4.2 4.2 4.2 4.		
Max. Overcurrent Protection (MOP) (A) FAN MOTOR Motor Type Capacitor (uF) Horsepower (HP) Rated RPM MOC 3.3 FAN BLOWER Material Type Centrifugal Diameter(in.) [mm] Diameter(in.) [mm] Coil Drain Connection FPT (in.) EVAPORATOR COIL Type Aluminum Tube Material Aluminum Tube Size (in.) REFRIGERANT CONNECTION SIZE Liquid Line Size (O.D.) (in.) Aluminum 15 ECM Motor // // // // // // // // //		
MOP) (A) IS	_ · · · · · · · · · · · · · · · · · · ·	
Motor Type ECM Capacitor (uF) / Horsepower (HP) 1/2 Rated RPM 1050 MOC 3.3 FAN BLOWER Material Metal Type Centrifugal Diameter(in.) [mm] 10 [278.5] Height(in.) [mm] 10 [271] Coil Drain Connection FPT (in.) 3/4 EVAPORATOR COIL Type Aluminum Tube Material Aluminum Tube Size (in.) 9/32 SOUND POWER (dB) 70 REFRIGERANT CONNECTION SIZE Liquid Line Size (O.D.) (in.) 3/8		15
Capacitor (uF) Horsepower (HP) Rated RPM MOC 3.3 FAN BLOWER Material Type Centrifugal Diameter(in.) [mm] Coil Drain Connection FPT (in.) EVAPORATOR COIL Type Aluminum Tube Material Aluminum Tube Size (in.) REFRIGERANT CONNECTION SIZE Liquid Line Size (O.D.) (in.) Aluminum Juba 10 [271] Aluminum-Hydrophilic Aluminum Aluminum 70 878	FAN MOTOR	
Horsepower (HP) 1/2 Rated RPM 1050 MOC 3.3 FAN BLOWER Material Metal Type Centrifugal Diameter(in.) [mm] 10 [278.5] Height(in.) [mm] 10 [271] Coil Drain Connection FPT (in.) 3/4 EVAPORATOR COIL Type Aluminum-Hydrophilic Aluminum Tube Material Aluminum Tube Size (in.) 9/32 SOUND POWER (dB) 70 REFRIGERANT CONNECTION SIZE Liquid Line Size (O.D.) (in.) 3/8	Motor Type	ECM
Rated RPM 1050 MOC 3.3 FAN BLOWER Material Metal Type Centrifugal Diameter(in.) [mm] 10 [278.5] Height(in.) [mm] 10 [271] Coil Drain Connection FPT (in.) 3/4 EVAPORATOR COIL Type Aluminum-Hydrophilic Aluminum Tube Material Aluminum Tube Size (in.) 9/32 SOUND POWER (dB) 70 REFRIGERANT CONNECTION SIZE Liquid Line Size (O.D.) (in.) 3/8	Capacitor (uF)	/
MOC 3.3 FAN BLOWER Material Metal Type Centrifugal Diameter(in.) [mm] 10 [278.5] Height(in.) [mm] 10 [271] Coil Drain Connection FPT (in.) 3/4 EVAPORATOR COIL Type Aluminum-Hydrophilic Aluminum Tube Material Aluminum Tube Size (in.) 9/32 SOUND POWER (dB) 70 REFRIGERANT CONNECTION SIZE Liquid Line Size (O.D.) (in.) 3/8	Horsepower (HP)	1/2
FAN BLOWER Material Metal Type Centrifugal Diameter(in.) [mm] 10 [278.5] Height(in.) [mm] 10 [271] Coil Drain Connection FPT (in.) 3/4 EVAPORATOR COIL Type Aluminum-Hydrophilic Aluminum Tube Material Aluminum Tube Size (in.) 9/32 SOUND POWER (dB) 70 REFRIGERANT CONNECTION SIZE Liquid Line Size (O.D.) (in.) 3/8	Rated RPM	1050
Material Metal Type Centrifugal Diameter(in.) [mm] 10 [278.5] Height(in.) [mm] 10 [271] Coil Drain Connection FPT (in.) 3/4 EVAPORATOR COIL Type Aluminum-Hydrophilic Aluminum Tube Material Aluminum Tube Size (in.) 9/32 SOUND POWER (dB) 70 REFRIGERANT CONNECTION SIZE Liquid Line Size (O.D.) (in.) 3/8	MOC	3.3
Type Centrifugal Diameter(in.) [mm] 10 [278.5] Height(in.) [mm] 10 [271] Coil Drain Connection FPT (in.) 3/4 EVAPORATOR COIL Type Aluminum-Hydrophilic Aluminum Tube Material Aluminum Tube Size (in.) 9/32 SOUND POWER (dB) 70 REFRIGERANT CONNECTION SIZE Liquid Line Size (O.D.) (in.) 3/8	FAN BLOWER	
Diameter(in.) [mm] 10 [278.5] Height(in.) [mm] 10 [271] Coil Drain Connection FPT (in.) 3/4 EVAPORATOR COIL Type Aluminum-Hydrophilic Aluminum Tube Material Aluminum Tube Size (in.) 9/32 SOUND POWER (dB) 70 REFRIGERANT CONNECTION SIZE Liquid Line Size (O.D.) (in.) 3/8	Material	Metal
Height(in.) [mm] 10 [271] Coil Drain Connection FPT (in.) 3/4 EVAPORATOR COIL Type Aluminum-Hydrophilic Aluminum Tube Material Aluminum Tube Size (in.) 9/32 SOUND POWER (dB) 70 REFRIGERANT CONNECTION SIZE Liquid Line Size (O.D.) (in.) 3/8	Туре	Centrifugal
Coil Drain Connection FPT (in.) 3/4 EVAPORATOR COIL Type Aluminum-Hydrophilic Aluminum Tube Material Aluminum Tube Size (in.) 9/32 SOUND POWER (dB) 70 REFRIGERANT CONNECTION SIZE Liquid Line Size (O.D.) (in.) 3/8	Diameter(in.) [mm]	10 [278.5]
Type Aluminum-Hydrophilic Aluminum Tube Material Aluminum Tube Size (in.) 9/32 SOUND POWER (dB) 70 REFRIGERANT CONNECTION SIZE Liquid Line Size (O.D.) (in.) 3/8	Height(in.) [mm]	10 [271]
Type Aluminum-Hydrophilic Aluminum Tube Material Aluminum Tube Size (in.) 9/32 SOUND POWER (dB) 70 REFRIGERANT CONNECTION SIZE Liquid Line Size (O.D.) (in.) 3/8	Coil Drain Connection FPT (in.)	3/4
Tube Material Aluminum Tube Size (in.) 9/32 SOUND POWER (dB) 70 REFRIGERANT CONNECTION SIZE Liquid Line Size (O.D.) (in.) 3/8	EVAPORATOR COIL	
Tube Size (in.) 9/32 SOUND POWER (dB) 70 REFRIGERANT CONNECTION SIZE Liquid Line Size (O.D.) (in.) 3/8	Туре	
SOUND POWER (dB) 70 REFRIGERANT CONNECTION SIZE Liquid Line Size (O.D.) (in.) 3/8	Tube Material	Aluminum
REFRIGERANT CONNECTION SIZE Liquid Line Size (O.D.) (in.) 3/8	Tube Size (in.)	9/32
Liquid Line Size (O.D.) (in.) 3/8	SOUND POWER (dB)	70
	REFRIGERANT CONNECTION SIZE	
Susting Line Size (O.D.) (in)	Liquid Line Size (O.D.) (in.)	3/8
Suction Line Size (U.D.) (In.)	Suction Line Size (O.D.) (in.)	3/4
DIMENSIONS	DIMENSIONS	
Width (In.) [mm] 19-5/8 [500]	Width (In.) [mm]	19-5/8 [500]
Height (In.) [mm] 46-1/2 [1180]	Height (In.) [mm]	46-1/2 [1180]
Depth (In.) [mm] 21-5/8 [550]	Depth (In.) [mm]	21-5/8 [550]
Packaged dimension (W × H × D) 22-5/16 × 47-1/8 × 25-3/8 (In.) [mm] [567 × 1197 × 644]		
SERVICE VALVE		<u> </u>
Liquid (in.) 3/8	Liquid (in.)	3/8
Suction (in.) 3/4	Suction (in.)	3/4
WEIGHT	WEIGHT	
Net weight (lbs.) [kg] 121 [55]	Net weight (lbs.) [kg]	121 [55]
Shipping weight (lbs.) [kg] 134 [61]	Shipping weight (lbs.) [kg]	134 [61]

Airflow Data

	Outdoor		CFM Wet Coil Without Filter and Electric He											
Model Number	Unit Size	Motor Speed					External St	atic Pressu	ıre (in w.c))				
	(Ton)			0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8		
			Current / A	0.63	0.67	0.7	0.74	0.77	0.81	0.84	0.88	0.9		
		1	Power / W	72	78	82	87	92	97	102	107	112		
			CFM	676	608	550	492	422	369	311	274	233		
			Current / A	0.81	0.85	0.89	0.93	0.97	1	w.c) 5 0.6 0.7 61 0.84 0.88 7 102 107 9 311 274 1.04 1.09 4 4 130 136 2 457 406 36 1.41 1.45 2 178 183 5 618 577 65 1.69 1.75 60 215 223 6 737 677 91 1.95 2 4 249 255 49 811.8 774.8 61 0.84 0.88 7 102 107 9 311 274 4 130 136 2 457 406 66 1.41 1.45 2 178 183 5 618 577 9 1.75	1.12			
		2	Power / W	98	103	109	114	120	124		140			
			CFM	770	717	666	615	552	512	457	406	364		
			Current / A	1.14	1.18	1.22	1.26	1.31	1.36	1.41	1.45	1.49		
24	1.5	3	Power / W	143	148	154	159	166	172	178	183	189		
			CFM	903	856	808	767	722	665	618	577	535		
			Current / A	1.42	1.46	1.51	1.55	1.6	1.65	1.69	1.75	1.8		
		4	Power / W	179	185	191	197	203	210	215	223	229		
			CFM	987	945	900	861	821	766	737	677	636		
			Current / A	1.66	1.71	1.76	1.81	1.86	1.91	1.95	2	2.06		
		5	Power / W	211	217	224	230	237	244	249	255	264		
			CFM	1055.6	1012.3	970.6	930.3	883.4	844.9	811.8	774.8	715.3		
			Current / A	0.63	0.67	0.7	0.74	0.77	0.81	0.84	0.88	0.9		
		1	Power / W	72	78	82	87	92	97	102	107	112		
			CFM	676	608	550	492	422	369	311	274	233		
			Current / A	0.81	0.85	0.89	0.93	0.97	1	1.04	1.09	1.12		
		2	Power / W	98	103	109	114	120	124	130	136	140		
			CFM	770	717	666	615	552	512	457	406	364		
			Current / A	1.14	1.18	1.22	1.26	1.31	1.36	1.41	1.45	1.49		
24	2	3	Power / W	143	148	154	159	166	172	0.6 0.84 102 311 1.04 130 457 1.41 178 618 1.69 215 737 1.95 249 811.8 0.84 102 311 1.04 130 457 1.41 178 618 1.69 215 737 1.95 249 811.8 0.84 102 311 1.04 130 457 1.41 178 618 1.69 215 737 1.95 249 812 1.41 178 618 1.69 215 737 1.95 249 812 1.41 178 618 1.69 215 737 1.95 249 812 1.41 158 566 1.83 218 794 2.25 276 1009 2.79 350 1231 3.35 424 1323 1.4 158 566 1.83 218 794 2.25 276 1009 2.79 350 1231 3.35 424 1323 1.4 158 566 1.83 218 794 2.25 276 1009 2.79 350 1231 3.35 424 1323 1.4 158 566 1.83 218 794 2.25	183	189		
			CFM	903	856	808	767	722	665	618	577	535		
			Current / A	1.42	1.46	1.51	1.55	1.6	1.65	457 406 1.41 1.45 178 183 618 577 1.69 1.75 215 223 737 677 1.95 2 249 255 8 811.8 774.8 0.84 0.88 102 107 311 274 1.04 1.09 130 136 457 406 1.41 1.45 178 183 618 577 1.69 1.75 215 223 737 677 1.95 2 249 255 812 775 1.4 / 158 / 566 / 1.83 1.89 218 255 794 733 2.25 2.35 279 2.87 350 361 1.231 1176 3.	1.75	1.8		
		4	Power / W	179	185	191	197	203	210		229			
			CFM	987	945	900	861	821	766		677	636		
			Current / A	1.66	1.71	1.76	1.81	1.86	1.91		2	2.06		
		5	Power / W	211	217	224	230	237	244	249	255	264		
			CFM	1056	1012	971	930	883	845	812	775	715		
		1	Current / A	1.05	1.09	1.14	1.19	1.27	1.33	1.4	/	/		
			Power / W	113	119	126	133	144	151	158	/	/		
			CFM	1013	946	891	823	709	634	566	/	/		
			Current / A	1.45	1.5	1.56	1.61	1.66	1.76	1.83	1.89	1.95		
				2	Power / W	166	174	181	188	195	208	218	255	234
			CFM	1180	1123	1072	1023	969	865	794	733	674		
			Current / A	1.87	1.93	1.99	2.05	2.1	2.15	2.25	2.35	2.42		
36	2.5	3	Power / W	224	232	240	248	255	262	276	288	299		
			CFM	1335	1283	1231	1189	1146	1093	1009	923	864		
			Current / A	2.42	2.49	2.55	2.61	2.67	2.73	2.79	2.87	2.99		
		4	Power / W	299	308	317	325	334	342	0.6 0.84 102 311 1.04 130 457 1.41 178 618 1.69 215 737 1.95 249 811.8 0.84 102 311 1.04 130 457 1.41 178 618 1.69 215 737 1.95 249 812 1.4 1.58 566 1.83 218 794 2.25 276 1009 2.79 350 1231 3.35 424 1323 1.4 158 566 1.83 218 794 225 276 1009 2.79 350 1231 3.35 424 1323 1.4 158 566 1.83 218 794 225 276 1009	361	378		
			CFM	1484	1437	1386	1347	1309	1271		1176	1075		
			Current / A	2.92	2.99	3.07	3.14	3.19	3.25			3.50		
		5	Power / W	369	378	388	397	404	411		0.88 107 274 1.09 136 406 1.45 183 577 1.75 223 677 2 255 774.8 7 0.88 107 274 1.09 136 406 1.45 183 577 1.75 223 677 2 2 55 774.8 7 0.88 107 274 1.09 136 406 1.45 183 577 1.75 223 677 2 255 775 / / / / / 1.89 255 733 2.35 288 923 2.87 361 1176 3.49 441 1248 1 / / / / / / / / / / / / / / / / / /	443		
			CFM	1560	1520	1480	1442	1403	1378			1179		
			Current / A	1.05	1.09	1.14	1.19	1.27	1.33			/		
		1	Power / W	113	119	126	133	144	151			/		
			CFM	1013	946	891	823	709	634			1.05		
36	3	2	Current / A	1.45	1.5	1.56	1.61	1.66	1.76			1.95		
		2	Power / W	166	174	181	188	195	208	0.84 0.88 102 107 311 274 1.04 1.09 130 136 457 406 1.41 1.45 178 183 618 577 1.69 1.75 215 223 737 677 1.95 2 249 255 811.8 774.8 0.84 0.88 102 107 311 274 1.04 1.09 130 136 457 406 1.41 1.45 178 183 618 577 1.69 1.75 215 223 737 677 1.95 2 249 255 812 775 1.4 / 1.58 / 249 255 812 775 1.4 / 158 <td>234</td>	234			
			CFM	1180	1123	1072	1023	969	865			674		
		3	Current / A Power / W	1.87	1.93 232	1.99	2.05	2.1	2.15			2.42		
			Power / W	224	232	240	248	255	262	2/6	288	299		

			CFM	1335	1283	1231	1189	1146	1093	1009	923	864
			Current / A	2.42	2.49	2.55	2.61					2.99
		4	Power / W	299	308	317	325					378
		4	CFM		1437							
				1484		1386	1347					1075
		_	Current / A	2.92	2.99	3.07	3.14					3.50
		5	Power / W	369	378	388	397					443
			CFM	1560	1520	1480	1442					1179
			Current / A	1.56	1.63	1.71	1.77					/
		1	Power / W	198	209	220	226					/
			CFM	1420	1374	1320	1269		3.84 3.92 3.99 4.07 523 537 548 560 1805 1765 1722 1678 4.57 4.67 4.74 4.83 634 651 662 675		/	
			Current / A	2.10	2.20	2.28	2.34					2.78
		2	Power / W	267	279	289	297					353
			CFM	1613	1558	1516	1469					1147
			Current / A	2.78	2.87	2.96	3.03					3.41
48/60	3.5	3	Power / W	369	383	398	408	419	428	439	450	465
			CFM	1796	1757	1707	1663	1622	1580	1539	1467	1451
			Current / A	3.46	3.55	3.67	3.75	3.84	3.92	3.99	4.07	4.15
		4	Power / W	472	482	502	513	523	537	548	560	573
			CFM	1978	1944	1887	1850	1805	1765	1722	1678	1632
			Current / A	4.17	4.26	4.38	4.47	4.57				4.92
		5	Power / W	575	590	605	621					690
			CFM	2123	2092	2051	2011	1971				1818
			Current / A	1.56	1.63	1.71	1.77					/
48/60		1	Power / W	198	209	220	226					/
			CFM	1420	1374	1320	1269					/
			Current / A	2.10	2.20	2.28	2.34			2.54 2.6 339 35 1327 127 3.25 3.3 439 45 1539 146 3.99 4.0 548 56		2.78
		2	Power / W	281	294	305	313					371
			CFM	1613	1558	1516	1469					1147
			Current / A	2.78	2.87	2.96	3.03					3.41
	4	3	Power / W	369	383	398	408					465
			CFM	1796	1757	1707	1663					1451
		4	Current / A	3.46	3.55	3.67	3.75					4.15
			Power / W	472	482	502	513					573
		5	CFM	1978	1944	1887	1850					1632
			Current / A	4.17	4.26	4.38	4.47					4.92
			Power / W	575	590	605	621					690
			CFM	2123	2092	2051	2011					1818
		1	Current / A Power / W	1.56	1.63	1.71	1.77					/
		1	•	198	209	220	226					/
			CFM	1420	1374	1320	1269					/ 2.70
		2	Current / A	2.10	2.20	2.28	2.34					2.78
		2	Power / W CFM	267 1613	279 1558	289	297 1469					353 1147
			CFIVI Current / A	2.78	2.87	1516 2.96						
48/60	5	3	Power / W	369	383	398	3.03 408					3.41 465
40,00			CFM	1796	1757	1707	1663					1451
			Current / A	3.46	3.55	3.67	3.75					4.15
		4	Power / W	472	482	502	513					573
			CFM	1978	1944	1887	1850					1632
			Current / A	4.17	4.26	4.38	4.47					4.92
		5	Power / W	575	590	605	621					690
			CFM	2123	2092	2051	2011					1818
			Current / A	1.58	1.64	1.72	1.78					2.15
		1	Power / W	199	208	220	229					280
		_	CFM	1395	1352	1296	1243	1190	1094	1010	940	888
61	6		Current / A	2.11	2.21	2.28	2.36	2.41	2.48	2.56	2.70	2.77
		2	Power / W	273	289	298	310	318	329	340	360	370
		_	CFM	1587	1537	1492	1435	1401	1348	1293	1180	1116
	1	<u> </u>							_0.0			

		Current / A	2.78	2.84	2.92	3.04	3.10	3.18	3.26	3.32	3.43	
		3	Power / W	372	380	391	406	415	428	439	450	465
			CFM	1782	1769	1691	1643	1610	1564	1523	1484	1424
			Current / A	3.47	3.55	3.64	3.73	3.93	3.90	4.00	4.07	3.94
		4	Power / W	470	480	492	510	521	530	550	560	571
			CFM	1962	1931	1885	1844	1798	1764	1715	1683	1635
			Current / A	4.26	4.30	4.38	4.45	4.52	4.64	4.74	4.83	4.92
		5	Power / W	589	590	605	617	628	642	660	670	688
			CFM	2123	2075	2034	1996	1962	1919	1882	1844	1805

⁻⁻⁻ Shaded boxes represent airflow outside the required 300 to 450 cfm/ton, which are not recommended.

NOTES: Airflow based upon cooling performance at 230V with no electric heat or filter. Airflow at 208V is approximately the same as 230V because the multi-tap ECM motor provides constant torque with no drop off relative to motor operating speed.

The air distribution system has the greatest effect on airflow and is in the control of the installing contractor. For this reason, the contractor should use only industry-recognized procedures.

Heat pump systems require a specified airflow for electric heat operating. Each ton of cooling requires between 350 and 450 cubic feet of air per minute (CFM), or 400 CFM nominally.

Duct design and construction should be carefully done. System performance can be lowered dramatically through poor planning or workmanship.

Air supply diffusers must be selected and located carefully. They must be sized and positioned to deliver treated air along the perimeter of the space. If they are too small for their intended airflow, they would become noisy. If they are not located properly, they cause drafts. Return air grilles must be properly sized to carry air back to the blower. If they are too small, they also can cause noise.

Installers should balance the air distribution system to ensure sufficient, quiet airflow to all spaces to ensure maximum occupant comfort.

An air velocity meter or airflow hood can be used to balance and verify branch and system airflow (CFM).

Features

- High heat-transfer efficiency and low static-pressure drop A-shaped coil.
- Foil-faced insulation to prevent energy loss through the cabinet.
- Factory-sealed cabinet certified to achieve 2% or less air leakage rate at 1.0-inch water column.
- Multi-stage blower Speed Control to align with varying capacity demands.
- Multi-speed constant-torque ECM motor.
- · 4-position installation: Upflow, Horizontal Right, Downflow, Horizontal Left.
- Horizontal and vertical condensate drain pans standard, primary and secondary condensate fittings.
- Field-installed electric heater kits 5, 7.5, 10, 15, 20 kW available as accessories. Multiple electrical entry locations.
- Dual front panel, volute and coil with slide track, TXV with threaded connection for easy maintenance.
- Integrated filter rack with toolless door access.
- Easy-to-braze copper evaporator connection.
- TXV designed for easy piston replacement.
- · All-aluminum heat exchanger extends product lifetime.
- · Advanced internal welding process to reduce potential corrosion.
- · AHRI and ETL listed.
- Polymer condensate drain pan with UVC inhibitor to extends product lifetime.
- Fully-insulated cabinet design.
- R454B refrigerant sensor ensures safe operation.
- R454B refrigerant sensor is factory-installed, making unit suitable for more room types and applications.



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