



Everest Touch-Fi Series

DUCTED SPLIT

AIR CONDITIONERS

Capacity 18-80K

EDJ & ESJ - SD 50Hz

R410A



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INTRODUCTION

These concealed Ductable Split Indoor & Outdoor units have been developed & produced to provide not only the ultimate indoor comfort, but also to guarantee long & trouble free operations.

Here lies the reason for the choice of only the highest quality components and design strategit to meet the most important objective such as:

- EFFICIENCY
- RELIABILITY
- FLEXIBILITY
- EASY INSTALLABILITY
- SERVICEABILITY
- AFFORDABILITY

CONCEALED DUCTABLE SPLIT SYSTEM - CAPACITY 18,000 to 70,000 BTU/HR



EDJ
18K & 24K



ESJ
30K, 36K, 42K, 48K, 60K, 70K & 80K



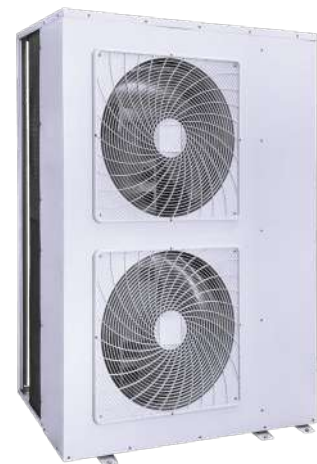
CST
18K



CST
24K, 30K & 36K



CSS
42K, 48K, 60K & 70K



CSS
80K

SALIENT FEATURES

Indoor Split Units

- The Ducted indoor units are the new range of Concealed ductable split units with compact design, suitable for Horizontal installation in most standard drop ceiling application, having flexibility in installation & low labour cost.
- The Concealed ductable Indoor split units are designed by latest fan coil technology, highly efficient in performance and ideal for both commercial and residential application with whisper quiet operation.
- Ducted indoor units are Leak tested by electronic machines, piped, internally wired and having holding charge of refrigerant R410A.
- The Ducted units are available in 220-240 Volts / 1 Phase / 50Hz power supply with 230 volts control circuit as standard.
- The Ducted indoor units are equipped with Efficient and dependable metering of the refrigerant is provided by Flowrator, a device which improves overall system reliability and is easily accessible for routine maintenance.
- The Indoor split units are made from high quality Galvanized steel for high reliability and long period of operation.
- The coils are made of seamless inner grooved copper tube / Corrugated Aluminum fin.
- The units are designed with advanced refrigerant circuitry keeping in mind for the minimum pressure drop for best output.
- Ducted indoor units are insulated through 5mm insulation wherever required & evaporator is fully covered with drain pan.
- The units are completely factory wired with single point power input provided for utility, main power supply and control connections.
- The units are fitted with 3mm washable filters to restrict dust particles to enter inside the indoor unit as well as the cooling space.
- The units are provided wired controller with touch pad display wall pad and also having LCD wireless remote hand set.
- The Ducted indoor units (70K/80K) having high efficient DC motor & units (18/24/30/36/42/48/60K) have permanent split capacitor motor (PSC) having compact design, consist of inbuilt permanently lubricated bearing & inbuilt thermal overload protector (OLP).
- The Ducted indoor units are provided with double inlet metal blower.

Outdoor Split Units

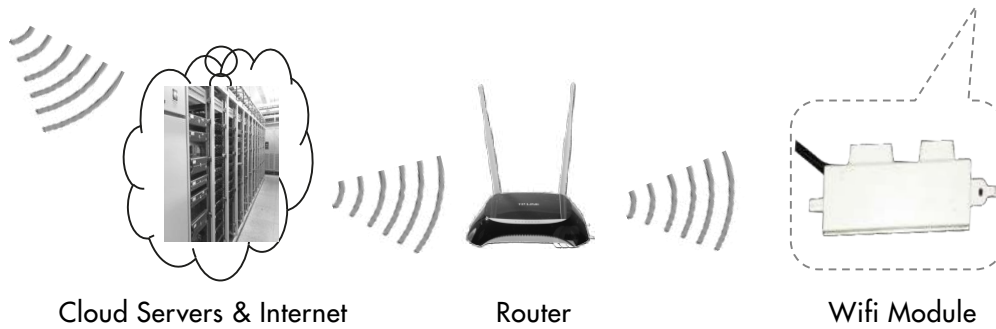
- The outdoor units are the new range of Outdoor split units, suitable for side discharge flow & installation on the roof or on the ground.
- The Ducted series from 1.5TR to 3TR capacities are available in 220-240 Volts / 1 Phase / 50 Hz and 3.5TR and above capacities are available in 380-420 Volts / 3 Phase / 50 Hz power supply.
- The units are designed & tested in accordance with ISO13253 standard.
- The units are Leak tested with electronic machines, piped, internally wired and fully charged with refrigerant R410A.
- The Outdoor units are made from high quality Galvanized, weather resistant steel and wherever necessary powder coated for lasting protection and durability.
- Compressors are fully hermetic type designed for high efficiency and provided with inbuilt thermal overload protector.
- The outdoor units (30K & above) are provided with contactors to avoid load on PCB during compressor function.
- Condenser coils are made of seamless inner grooved copper tube and aluminum corrugated fins mechanically bonded for maximum heat transfer. The Coils are factory tested for leaks at 550psig pressure.
- Condenser coils are designed to have minimum pressure drop for refrigerant flow to get best output.
- Easy accessible control box.
- Higher capacity units (36K & above) are provided with Low pressure control & High pressure control switch to safeguard compressor.
- All models are provided with built in 3 minutes Time delay for safe operation of the compressor.
- Outdoor units are provided with plastic mesh to safeguard & avoid access of condenser.
- The outdoor units are provided with Plastic direct drive axial fan which is designed aerodynamically for efficient air flow.
- The outdoor units 18 / 24 / 30 / 36 / 42 / 48 / 60K motors are provided with inbuilt permanent lubricated bearing & inbuilt thermal overload protector (OLP) & 70K/80K unit provided with DC motor.

FEATURES

- The Micro processor based Touch screen smart wall pad with wifi.
- Built in time delay.
- 10m cable length as standard and extendable up to 25m
- BMS - Optional



Mobile / Tab / Ipad



Cloud Servers & Internet

Router

Wifi Module

Blower

Direct driven, double inlet double width high efficiency metal blower delivers uniform airflow with lower noise.



Motor

High efficiency, multispeed resilient mounted motor with class B insulation.



Profeller Fan

High efficiency, aerodynamic profile fan propeller suitable for high wind pressure and high ambient temperature of the region for longer life.



Optional

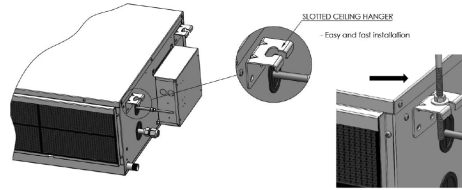
Outdoor metallic propeller fan s a optional.



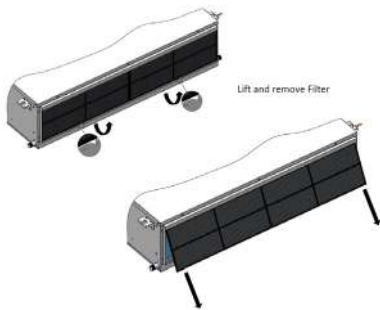
FEATURES

Installation

Tooled up slotted hanging bracket for of ease of installation. Mounting rods can be fixed and slide in slot for alignment during indoor hanging from ceiling.



Serviceability

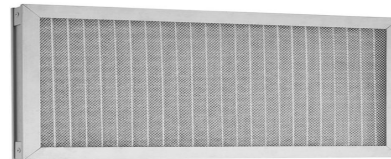


Filters

Indoor units are provided with synthetic washable filter as standard.



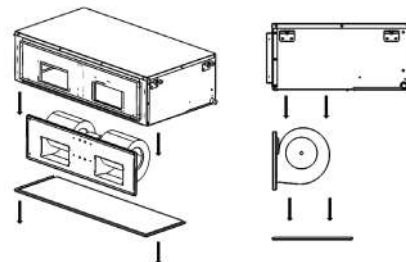
Optional: Aluminum Filter



Blower & Motor

The unit bottom has two panels for servicing purpose.

Removing front bottom panel, the blower and motor can be easily taken out for servicing purpose without removing the indoor unit.

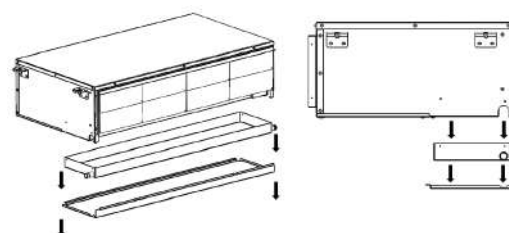


- Easy Blower & Motor assembly access from bottom

Drain Pan

The unit comes with insulated metallic drain pan.

Removing rear bottom panel, the drain pan can be easily taken out for servicing purpose without removing the indoor unit.



- Easy Drain pan access from bottom

EVEREST SERIES DUCTED SPLIT PRODUCT DATA BOOK

ENGINEERING SPECIFICATIONS

Indoor & Outdoor Models

TECHNICAL SPECIFICATIONS												
Models - Ducted with Side Discharge Condenser		Indoor Unit	EDJ18FC2U2B ALSTXX	EDJ24FC2U2B ALSTXX	ESJ30FC2U2A AESTXX	ESJ36FC2U2A AESTXX	ESJ42FC2U2A AESSXX	ESJ48FC2U2A AFSSXX	ESJ60FC2U2A AFSSXX	ESJ70FC2U2A AKSSXX	ESJ80FC2U2A AKSSXX	
		Outdoor Unit	CST18FC2U2B ACDJXX	CST24FC2U2B ASDJXX	CST30FC2U2 AASSJXX	CST36FC2U2 AASSJXX	CSS42GC2U2 AATSJXX	CSS48GC2U2 AATSJXX	CSS60GC2U2 AATSJXX	CSS70GC2U2 AATSJXX	CSS80GC2U2 AAUSJXX	
Nominal Capacities	T1: Cooling @ 35°C	Btu/h	18,000	23,600	27,600	35,400	41,800	48,600	56,000	67,400	80,000	
Power Consumption		Watts	1565	2052	2400	3078	3635	4226	4870	5861	6780	
Running Current		Amps	7.49	9.82	11.48	14.73	6.50	7.55	8.70	10.48	11.15	
EER		Btu/hr/W	11.500	11.500	11.500	11.500	11.500	11.500	11.500	11.500	11.800	
Nominal Capacities	T3: Cooling @ 46°C	Btu/h	16,000	20,200	23,200	31,600	37,400	44,000	51,800	59,200	72,000	
Power Consumption		Watts	1928	2434	2795	3807	4506	5301	6241	7133	8571	
Running Current		Amps	9.22	11.64	13.37	18.22	8.05	9.48	11.16	12.75	14.10	
EER		Btu/hr/W	8.300	8.300	8.300	8.300	8.300	8.300	8.300	8.300	8.400	
Refrigerant Type		R-410A										
Power Supply		V/Ph/Hz	230/1/50									
Indoor Unit	Fan	Fan Type	Double inlet Double width									
		Air flow Rate	m3/h	1100	1395	1785	2125	2550	2975	3483	4080	4590
		Input Power	W	150	190	350	380	400	430	450	400	400
		Fan Motor Protection	Auto Reset Thermal Overload									
		Sound Pressure (H/M/L)	dBa	48/43/41	49/45/42	54/49/46	55/50/47	56/51/47	57/52/48	58/53/48	59/54/49	60/55/50
	Coil	Tube	Material	Inner Groove Copper Tube								
			Diameter	mm	7.00	7.00	9.52	7.94	9.52	7.94	9.52	7.94
		Fin	Material	Aluminum								
			No. Of Rows		3	3	3	4	3	4	3	4
		Fin per inch		17	17	16	18	14	18	14	14	14
Coil Area	Sqm	0.23	0.23	0.30	0.34	0.34	0.43	0.43	0.43	0.51	0.51	
Expansion device / Location		Flow rator / IDU										
Unit Dimensions	Height	mm	278	278	378	378	378	435	435	435	435	
	Width	mm	1,100	1,100	1,100	1,100	1,100	1,200	1,200	1,400	1,400	
	Depth	mm	622	622	660	660	660	700	700	700	700	
Net Weight	kg	45	45	65	68	68	75	75	78	78	78	
System Operation Control		Wired controller with remote										
Condensate Drainage (O.D.)	mm	25.4										
Air Filter		Synthetic, Washable										
Power Supply		V/Ph/Hz	230/1/50				400/3/50					
Air Discharge		Type	Side									
Compressor	Quantity		1	1	1	1	1	1	1	1	1	
	Compressor Type		Rotary				Scroll					
	Vibration Isolator		Rubber mount									
	Protection Device		Auto Reset Thermal Overload									
Fan	Quantity		1	1	1	1	2	2	2	2	2	
	Fan / Type Drive		Propeller/Direct Drive									
	Fan Speed	rpm	900	870	870	870	870	870	870	870	870	
	Blade Material		Plastic									
Coil	Type	Construction	Fin tube construction									
		Tube	Inner groove copper tube									
	Material	Fin	Aluminum									
		Rows deep	No's	3	2	2.5	2.5	2	2	2	2	3
Coil Area	Sqm	0.49	0.80	0.80	0.80	1.37	1.37	1.37	1.37	1.67		
Dimensions	Height	mm	650	800	800	800	1335	1335	1335	1335	1552	
	Width	mm	870	1000	1000	1000	1000	1000	1000	1000	1120	
	Depth	mm	320	415	415	415	415	415	415	415	528	
Net Weight	kg	61	68	70	71	107	111	111	111	111	150	
Piping	Type		Flare + Nuts									
	Pipe Size	Suction	inch	1/2	5/8	5/8	5/8	3/4	3/4	3/4	3/4	7/8
		Liquid	inch	1/4	1/4	3/8	3/8	3/8	1/2	1/2	1/2	1/2

► T1 : Nominal Cooling Capacity is based on 80.6°F (27°C) dry bulb, 66.2°F (19°C) wet bulb indoor conditions and 95°F (35°C) dry bulb ambient outdoor temperature at high speed.

► T3 : Cooling Capacity is based on 84.6°F (29°C) dry bulb, 66.2°F (19°C) wet bulb indoor conditions and 115°F (46°C) dry bulb ambient outdoor temperature at high speed.

► Specifications are subjected to change without notice in accordance with our policy of continuous research and product development

► Noise test data is @ 1 meters distance, as per factory test standard

EVEREST SERIES DUCTED SPLIT PRODUCT DATA BOOK

COOLING PERFORMANCE DATA

Fan Speed			Hi			Med			Low		
External Static Pressure in.wg			0	0.1	0.2	0	0.1	0.2	0	0.1	0.2
Model	Air On	Air On	Total Capacity BTUH								
	Condenser (°F)	Evaporator (°F)									
EDJ18	95	76/63	17900	17378	16603	16886	16395	15663	15931	15467	14777
	95	80/67	18837	18288	17472	17770	17253	16483	16765	16276	15550
	95	80.6/62.6	17980	17457	16678	16963	16469	15734	16003	15536	14844
	95	80.6/66.2	18540	18000	17197	17491	16981	16224	16501	16020	15305
	95	84.2/66.2	18725	18180	17369	17665	17151	16386	16666	16180	15459
	105	76/63	16866	16374	15644	15911	15448	14759	15010	14573	13923
	105	80/67	17936	17413	16637	16921	16428	15695	15963	15498	14807
	105	80.6/62.6	16942	16448	15715	15983	15517	14825	15078	14639	13986
	105	80.6/66.2	17428	16920	16165	16441	15962	15250	15511	15059	14387
	105	84.2/66.2	17603	17090	16328	16606	16123	15404	15666	15210	14532
	115	76/63	15832	15371	14685	14936	14501	13854	14090	13680	13070
	115	80/67	17035	16539	15801	16071	15603	14907	15161	14719	14063
	115	80.6/62.6	15903	15440	14751	15003	14566	13916	14154	13742	13129
	115	80.6/66.2	16315	15840	15134	15392	14943	14277	14520	14098	13469
	115	84.2/66.2	16480	16000	15286	15547	15094	14421	14667	14240	13605
	125	76/63	14053	13644	13035	13257	12871	12297	12507	12143	11601
	125	80/67	15200	14758	14099	14340	13922	13301	13528	13134	12548
	125	80.6/62.6	13956	13549	12945	13166	12782	12212	12420	12059	11521
	125	80.6/66.2	14379	13961	13338	13566	13170	12583	12798	12425	11871
	125	84.2/66.2	14896	14462	13817	14053	13643	13035	13257	12871	12297

Fan Speed			Hi			Med			Low		
External Static Pressure in.wg			0	0.1	0.2	0	0.1	0.2	0	0.1	0.2
Model	Air On	Air On	Sensible Capacity BTUH								
	Condenser (°F)	Evaporator (°F)									
EDJ18	95	76/63	16887	16395	15664	15536	15083	14410	14293	13876	13258
	95	80/67	16618	16134	15415	15289	14844	14182	14066	13656	13047
	95	80.6/62.6	16200	15673	15027	14904	14419	13825	13712	13266	12719
	95	80.6/66.2	16135	15665	14966	14844	14412	13769	13656	13259	12667
	95	84.2/66.2	16296	15821	15116	14992	14556	13906	13793	13391	12794
	105	76/63	15697	15240	14560	14441	14021	13396	13286	12899	12324
	105	80/67	16467	15987	15274	15149	14708	14052	13937	13531	12928
	105	80.6/62.6	14827	14368	13753	13641	13219	12653	12550	12161	11641
	105	80.6/66.2	15507	15056	14384	14267	13851	13234	13125	12743	12175
	105	84.2/66.2	15733	15275	14594	14475	14053	13426	13317	12929	12352
	115	76/63	14513	14090	13462	13352	12963	12385	12284	11926	11394
	115	80/67	16300	15825	15120	14996	14559	13910	13796	13395	12797
	115	80.6/62.6	13465	13072	12489	12387	12027	11490	11396	11065	10571
	115	80.6/66.2	14872	14439	13795	13682	13284	12691	12588	12221	11676
	115	84.2/66.2	15161	14719	14063	13948	13542	12938	12832	12458	11903
	125	76/63	10205	9907	9465	9388	9115	8708	8637	8386	8012
	125	80/67	12134	11780	11255	11163	10838	10354	10270	9971	9526
	125	80.6/62.6	10924	10606	10133	10050	9758	9323	9246	8977	8577
	125	80.6/66.2	11701	11360	10853	10765	10451	9985	9903	9615	9186
	125	84.2/66.2	12274	11917	11385	11292	10963	10474	10389	10086	9636

Fan Speed			Hi			Med			Low		
External Static Pressure in.wg			0	0.1	0.2	0	0.1	0.2	0	0.1	0.2
Model	Air On	Air On	Power Input (kW)								
	Condenser (°F)	Evaporator (°F)									
EDJ18	95	76/63	1.490	1.473	1.461	1.449	1.431	1.420	1.408	1.391	1.380
	95	80/67	1.608	1.588	1.576	1.563	1.544	1.532	1.519	1.501	1.489
	95	80.6/62.6	1.479	1.462	1.450	1.438	1.421	1.409	1.398	1.381	1.370
	95	80.6/66.2	1.584	1.565	1.552	1.539	1.521	1.509	1.496	1.479	1.467
	95	84.2/66.2	1.584	1.565	1.552	1.539	1.521	1.509	1.496	1.479	1.467
	105	76/63	1.663	1.643	1.630	1.617	1.597	1.585	1.571	1.553	1.540
	105	80/67	1.794	1.773	1.759	1.744	1.723	1.709	1.695	1.675	1.661
	105	80.6/62.6	1.650	1.630	1.617	1.604	1.585	1.572	1.559	1.540	1.528
	105	80.6/66.2	1.767	1.747	1.733	1.718	1.698	1.684	1.670	1.650	1.637
	105	84.2/66.2	1.767	1.747	1.733	1.718	1.698	1.684	1.670	1.650	1.637
	115	76/63	1.836	1.814	1.800	1.785	1.763	1.749	1.735	1.714	1.700
	115	80/67	1.980	1.957	1.941	1.925	1.902	1.887	1.871	1.849	1.834
	115	80.6/62.6	1.820	1.799	1.784	1.769	1.748	1.734	1.720	1.700	1.686
	115	80.6/66.2	1.951	1.928	1.913	1.897	1.874	1.859	1.843	1.822	1.807
	115	84.2/66.2	1.951	1.928	1.913	1.897	1.874	1.859	1.843	1.822	1.807
	125	76/63	1.928	1.905	1.890	1.874	1.852	1.837	1.821	1.800	1.785
	125	80/67	2.078	2.053	2.037	2.020	1.996	1.980	1.963	1.940	1.924
	125	80.6/62.6	1.912	1.889	1.874	1.859	1.837	1.822	1.807	1.785	1.771
	125	80.6/66.2	2.049	2.024	2.008	1.991	1.968	1.952	1.936	1.913	1.897
	125	84.2/66.2	2.049	2.024	2.008	1.991	1.968	1.952	1.936	1.913	1.897

Fan Speed			High			Med			Low		
External Static Pressure in.wg			0	0.1	0.2	0	0.1	0.2	0	0.1	0.2
Model	Air On	Air On	EER								
	Condenser (°F)	Evaporator (°F)									
EDJ18	95	76/63	12.01	11.80	11.37	11.66	11.45	11.03	11.31	11.12	10.71
	95	80/67	11.72	11.51	11.09	11.37	11.17	10.76	11.04	10.85	10.45
	95	80.6/62.6	12.16	11.94	11.50	11.80	11.59	11.16	11.45	11.25	10.84
	95	80.6/66.2	11.71	11.50	11.08	11.36	11.16	10.75	11.03	10.83	10.43
	95	84.2/66.2	11.82	11.62	11.19	11.48	11.27	10.86	11.14	10.94	10.54
	105	76/63	10.14	9.96	9.60	9.84	9.67	9.31	9.55	9.39	9.04
	105	80/67	10.00	9.82	9.46	9.70	9.53	9.18	9.42	9.25	8.91
	105	80.6/62.6	10.27	10.09	9.72	9.97	9.79	9.43	9.67	9.50	9.15
	105	80.6/66.2	9.86	9.69	9.33	9.57	9.40	9.06	9.29	9.13	8.79
	105	84.2/66.2	9.96	9.79	9.42	9.67	9.50	9.15	9.38	9.22	8.88
	115	76/63	8.62	8.47	8.16	8.37	8.22	7.92	8.12	7.98	7.69
	115	80/67	8.60	8.45	8.14	8.35	8.20	7.90	8.10	7.96	7.67
	115	80.6/62.6	8.74	8.58	8.27	8.48	8.33	8.02	8.23	8.09	7.79
	115	80.6/66.2	8.36	8.22	7.91	8.12	7.97	7.68	7.88	7.74	7.45
	115	84.2/66.2	8.45	8.30	7.99	8.20	8.05	7.76	7.96	7.82	7.53
	125	76/63	7.29	7.16	6.90	7.08	6.95	6.70	6.87	6.75	6.50
	125	80/67	7.32	7.19	6.92	7.10	6.98	6.72	6.89	6.77	6.52
	125	80.6/62.6	7.30	7.17	6.91	7.08	6.96	6.70	6.88	6.76	6.51
	125	80.6/66.2	7.02	6.90	6.64	6.81	6.69	6.45	6.61	6.50	6.26
	125	84.2/66.2	7.27	7.14	6.88	7.06	6.93	6.68	6.85	6.73	6.48

EVEREST SERIES DUCTED SPLIT PRODUCT DATA BOOK

COOLING PERFORMANCE DATA

Fan Speed			Hi			Med			Low		
External Static Pressure in.wg			0	0.1	0.2	0	0.1	0.2	0	0.1	0.2
Model	Air On	Air On	Total Capacity BTUH								
	Condenser	Evaporator									
	(°F)	(°F)									
EDJ24	95	76/63	23468	22785	21769	22140	21495	20537	20887	20278	19374
	95	80/67	24697	23978	22908	23299	22620	21612	21980	21340	20388
	95	80.6/62.6	23574	22888	21867	22240	21592	20629	20981	20370	19462
	95	80.6/66.2	24308	23600	22547	22932	22264	21271	21634	21004	20067
	95	84.2/66.2	24551	23836	22773	23161	22487	21484	21850	21214	20268
	105	76/63	21728	21095	20154	20498	19901	19014	19338	18775	17937
	105	80/67	23102	22429	21429	21794	21159	20216	20560	19962	19071
	105	80.6/62.6	21826	21190	20245	20591	19991	19099	19425	18859	18018
	105	80.6/66.2	22453	21799	20827	21182	20565	19648	19983	19401	18536
	105	84.2/66.2	22679	22018	21036	21395	20772	19845	20184	19596	18722
	115	76/63	19988	19405	18540	18856	18307	17491	17789	17271	16501
	115	80/67	21507	20880	19949	20289	19698	18820	19141	18583	17754
	115	80.6/62.6	20078	19493	18624	18941	18390	17569	17869	17349	16575
	115	80.6/66.2	20598	19998	19106	19432	18866	18025	18332	17798	17004
	115	84.2/66.2	20806	20200	19299	19628	19057	18207	18517	17978	17176
	125	76/63	17742	17225	16457	16738	16250	15525	15790	15330	14647
	125	80/67	19190	18631	17801	18104	17577	16793	17079	16582	15842
	125	80.6/62.6	17619	17106	16343	16622	16137	15418	15681	15224	14545
	125	80.6/66.2	18154	17625	16839	17127	16628	15886	16157	15687	14987
	125	84.2/66.2	18806	18258	17444	17741	17225	16456	16737	16250	15525

Fan Speed			Hi			Med			Low		
External Static Pressure in.wg			0	0.1	0.2	0	0.1	0.2	0	0.1	0.2
Model	Air On	Air On	Sensible Capacity BTUH								
	Condenser	Evaporator									
	(°F)	(°F)									
EDJ24	95	76/63	22140	21495	20537	20369	19776	18894	18739	18194	17382
	95	80/67	21788	21154	20210	20045	19461	18594	18442	17905	17106
	95	80.6/62.6	21240	20549	19702	19541	18905	18126	17978	17393	16676
	95	80.6/66.2	21154	20538	19622	19462	18895	18052	17905	17383	16608
	95	84.2/66.2	21366	20744	19818	19657	19084	18233	18084	17557	16774
	105	76/63	20223	19634	18758	18605	18063	17257	17116	16618	15877
	105	80/67	21210	20592	19673	19513	18944	18100	17952	17429	16652
	105	80.6/62.6	19102	18510	17719	17574	17029	16301	16168	15667	14997
	105	80.6/66.2	19979	19397	18532	18381	17845	17050	16910	16418	15686
	105	84.2/66.2	20270	19680	18802	18648	18105	17298	17157	16657	15914
	115	76/63	18323	17789	16996	16857	16366	15636	15508	15057	14385
	115	80/67	20579	19980	19089	18933	18381	17561	17418	16911	16157
	115	80.6/62.6	16999	16504	15768	15639	15184	14506	14388	13969	13346
	115	80.6/66.2	18776	18229	17416	17274	16771	16023	15892	15429	14741
	115	84.2/66.2	19141	18583	17754	17609	17096	16334	16201	15729	15027
	125	76/63	12883	12508	11950	11853	11507	10994	10904	10587	10115
	125	80/67	15319	14873	14209	14093	13683	13073	12966	12588	12027
	125	80.6/62.6	13792	13390	12793	12689	12319	11770	11674	11334	10828
	125	80.6/66.2	14772	14342	13702	13590	13194	12606	12503	12139	11597
	125	84.2/66.2	15496	15045	14374	14256	13841	13224	13116	12734	12166

Fan Speed			Hi			Med			Low		
External Static Pressure in.wg			0	0.1	0.2	0	0.1	0.2	0	0.1	0.2
Model	Air On	Air On	Power Input (kW)								
	Condenser	Evaporator									
	(°F)	(°F)									
EDJ24	95	76/63	1.954	1.931	1.915	1.899	1.877	1.862	1.846	1.824	1.810
	95	80/67	2.108	2.083	2.066	2.049	2.024	2.008	1.991	1.968	1.952
	95	80.6/62.6	1.940	1.917	1.901	1.885	1.863	1.848	1.832	1.811	1.796
	95	80.6/66.2	2.077	2.052	2.036	2.018	1.995	1.979	1.962	1.939	1.923
	95	84.2/66.2	2.077	2.052	2.036	2.018	1.995	1.979	1.962	1.939	1.923
	105	76/63	2.136	2.111	2.094	2.076	2.052	2.035	2.018	1.994	1.978
	105	80/67	2.304	2.277	2.258	2.239	2.213	2.195	2.177	2.151	2.134
	105	80.6/62.6	2.119	2.094	2.077	2.060	2.035	2.019	2.002	1.978	1.962
	105	80.6/66.2	2.270	2.243	2.225	2.206	2.180	2.163	2.145	2.119	2.102
	105	84.2/66.2	2.270	2.243	2.225	2.206	2.180	2.163	2.145	2.119	2.102
	115	76/63	2.318	2.290	2.272	2.253	2.226	2.208	2.190	2.164	2.147
	115	80/67	2.500	2.471	2.451	2.430	2.401	2.382	2.362	2.334	2.315
	115	80.6/62.6	2.298	2.271	2.253	2.234	2.207	2.190	2.171	2.146	2.128
	115	80.6/66.2	2.463	2.434	2.415	2.394	2.366	2.347	2.327	2.300	2.281
	115	84.2/66.2	2.463	2.434	2.415	2.394	2.366	2.347	2.327	2.300	2.281
	125	76/63	2.434	2.405	2.386	2.366	2.337	2.319	2.299	2.272	2.254
	125	80/67	2.623	2.592	2.571	2.550	2.520	2.499	2.478	2.449	2.429
	125	80.6/62.6	2.414	2.385	2.366	2.346	2.319	2.299	2.281	2.254	2.236
	125	80.6/66.2	2.586	2.556	2.535	2.514	2.484	2.464	2.444	2.415	2.395
	125	84.2/66.2	2.586	2.556	2.535	2.514	2.484	2.464	2.444	2.415	2.395

Fan Speed			High			Med			Low		
External Static Pressure in.wg			0	0.1	0.2	0	0.1	0.2	0	0.1	0.2
Model	Air On	Air On	EER								
	Condenser	Evaporator									
	(°F)	(°F)									
EDJ24	95	76/63	12.01	11.80	11.36	11.66	11.45	11.03	11.31	11.12	10.71
	95	80/67	11.72	11.51	11.09	11.37	11.17	10.76	11.04	10.84	10.44
	95	80.6/62.6	12.15	11.94	11.50	11.80	11.59	11.16	11.45	11.25	10.83
	95	80.6/66.2	11.71	11.50	11.08	11.36	11.16	10.75	11.03	10.83	10.43
	95	84.2/66.2	11.82	11.62	11.19	11.47	11.27	10.86	11.14	10.94	10.54
	105	76/63	10.17	9.99	9.63	9.87	9.70	9.34	9.58	9.41	9.07
	105	80/67	10.03	9.85	9.49	9.73	9.56	9.21	9.45	9.28	8.94
	105	80.6/62.6	10.30	10.12	9.75	10.00	9.82	9.46	9.70	9.53	9.18
	105	80.6/66.2	9.89	9.72	9.36	9.60	9.43	9.08	9.32	9.16	8.82
	105	84.2/66.2	9.99	9.82	9.45	9.70	9.53	9.18	9.41	9.25	8.91
	115	76/63	8.62	8.47	8.16	8.37	8.22	7.92	8.12	7.98	7.69
	115	80/67	8.60	8.45	8.14	8.35	8.20	7.90	8.10	7.96	7.67
	115	80.6/62.6	8.74	8.58	8.27	8.48	8.33	8.02	8.23	8.09	7.79
	115	80.6/66.2	8.36	8.22	7.91	8.12	7.97	7.68	7.88	7.74	7.45
	115	84.2/66.2	8.45	8.30	7.99	8.20	8.05	7.76	7.96	7.82	7.53
	125	76/63	7.29	7.16	6.90	7.08	6.95	6.70	6.87	6.75	6.50
	125	80/67	7.32	7.19	6.92	7.10	6.98	6.72	6.89	6.77	6.52
	125	80.6/62.6	7.30	7.17	6.91	7.08	6.96	6.70	6.88	6.76	6.51
	125	80.6/66.2	7.02	6.90	6.64	6.81	6.69	6.45	6.61	6.50	6.26
	125	84.2/66.2	7.27	7.14	6.88	7.06	6.93	6.68	6.85	6.73	6.48

EVEREST SERIES DUCTED SPLIT PRODUCT DATA BOOK

COOLING PERFORMANCE DATA

Fan Speed			Hi					Med					Low				
External Static Pressure in.wg			0	0.1	0.2	0.3	0.4	0	0.1	0.2	0.3	0.4	0	0.1	0.2	0.3	0.4
Model	Air On	Air On	Total Capacity BTUH														
	Condenser	Evaporator															
	(°F)	(°F)															
ESJ30	95	76/63	28086	27291	26496	25966	25436	25839	25108	24376	23889	23401	23565	22898	22231	21787	21342
	95	80/67	30134	29281	28428	27859	27291	27723	26938	26154	25631	25108	25283	24568	23852	23375	22898
	95	80.6/62.6	28378	27575	26772	26237	25701	26108	25369	24630	24138	23645	23811	23137	22463	22014	21564
	95	80.6/66.2	29256	28428	27600	27048	26496	26916	26154	25392	24884	24376	24547	23852	23158	22694	22231
	95	84.2/66.2	29549	28712	27876	27318	26761	27185	26415	25646	25133	24620	24792	24091	23389	22921	22454
	105	76/63	25847	25116	24384	23896	23409	23779	23106	22433	21985	21536	21687	21073	20459	20050	19641
	105	80/67	27732	26947	26162	25638.8	25116	25513	24791	24069	23588	23106	23268	22609	21951	21512	21073
	105	80.6/62.6	26055	25317	24580	24088	23597	23970	23292	22614	22161	21709	21861	21242	20624	20211	19799
	105	80.6/66.2	26801	26043	25284	24778	24273	24657	23959	23261	22796	22331	22487	21851	21214	20790	20366
	105	84.2/66.2	27070	26304	25538	25027	24516	24905	24200	23495	23025	22555	22713	22070	21427	20999	20570
	115	76/63	23608	22940	22272	21827	21381	21720	21105	20490	20080	19671	19808	19248	18687	18313	17940
	115	80/67	25330	24613	23896	23418	22940	23303	22644	21984	21545	21105	21253	20651	20050	19649	19248
	115	80.6/62.6	23731	23060	22388	21940	21492	21833	21215	20597	20185	19773	19911	19348	18784	18409	18033
	115	80.6/66.2	24346	23657	22968	22509	22049	22398	21764	21131	20708	20285	20427	19849	19271	18886	18500
	115	84.2/66.2	24592	23896	23200	22736	22272	22625	21984	21344	20917	20490	20634	20050	19466	19076	18687
	125	76/63	19428	18878	18328	17961	17595	17873	17368	16862	16525	16187	16301	15839	15378	15070	14763
	125	80/67	22625	21984	21344	20917	20490	20815	20226	19636	19244	18851	18983	18446	17908	17550	17192
	125	80.6/62.6	19206	18663	18119	17757	17394	17670	17170	16670	16336	16003	16115	15659	15203	14899	14595
	125	80.6/66.2	21395	20790	20184	19780	19377	19683	19126	18569	18198	17827	17951	17443	16935	16596	16258
	125	84.2/66.2	22133	21506	20880	20462	20045	20362	19786	19210	18825	18441	18570	18045	17519	17169	16818

Fan Speed			Hi					Med					Low				
External Static Pressure in.wg			0	0.1	0.2	0.3	0.4	0	0.1	0.2	0.3	0.4	0	0.1	0.2	0.3	0.4
Model	Air On	Air On	Sensible Capacity BTUH														
	Condenser	Evaporator															
	(°F)	(°F)															
ESJ30	95	76/63	25858	25127	24395	23907	23419	23790	23116	22443	21994	21545	21696	21082	20468	20059	19649
	95	80/67	25752	25024	24295	23809	23323	23692	23022	22351	21904	21457	21607	20996	20384	19977	19569
	95	80.6/62.6	24865	24162	23458	22989	22520	22876	22229	21581	21150	20718	20863	20273	19682	19289	18895
	95	80.6/66.2	24848	24144	23441	22972	22503	22860	22213	21566	21135	20703	20848	20258	19668	19275	18881
	95	84.2/66.2	25096	24386	23676	23202	22728	23088	22435	21781	21346	20910	21057	20461	19865	19467	19070
	105	76/63	23986	23307	22628	22176	21723	22067	21442	20818	20402	19985	20125	19556	18986	18606	18227
	105	80/67	23816	23142	22468	22019	21569	21911	21291	20671	20257	19844	19983	19417	18852	18475	18098
	105	80.6/62.6	22698	22055	21413	20985	20556	20882	20291	19700	19306	18912	19044	18505	17966	17607	17248
	105	80.6/66.2	22559	21921	21282	20857	20431	20755	20167	19580	19188	18797	18928	18393	17857	17500	17143
	105	84.2/66.2	24106	23424	22742	22287	21832	22178	21550	20922	20504	20086	20226	19654	19081	18700	18318
	115	76/63	22113	21487	20862	20444	20027	20344	19768	19193	18809	18425	18554	18029	17504	17154	16804
	115	80/67	21880	21261	20642	20229	19816	20130	19560	18990	18610	18231	18358	17839	17319	16973	16626
	115	80.6/62.6	20530	19949	19368	18981	18593	18888	18353	17819	17462	17106	17226	16738	16251	15926	15601
	115	80.6/66.2	20271	19697	19124	18741	18359	18649	18122	17594	17242	16890	17008	16527	16046	15725	15404
	115	84.2/66.2	23116	22462	21808	21372	20936	21267	20665	20063	19662	19261	19396	18847	18298	17932	17566
	125	76/63	14415	14007	13599	13327	13055	13262	12886	12511	12261	12011	12095	11752	11410	11182	10954
	125	80/67	16287	15826	15365	15058	14751	14984	14560	14136	13853	13571	13666	13279	12892	12634	12377
	125	80.6/62.6	15362	14928	14493	14203	13913	14133	13733	13333	13067	12800	12890	12525	12160	11917	11674
	125	80.6/66.2	15948	15497	15046	14745	14444	14672	14257	13842	13565	13288	13381	13003	12624	12371	12119
	125	84.2/66.2	16564	16095	15627	15314	15002	15239	14808	14377	14089	13801	13898	13505	13111	12849	12587

Fan Speed			Hi					Med					Low				
External Static Pressure in.wg			0	0.1	0.2	0.3	0.4	0	0.1	0.2	0.3	0.4	0	0.1	0.2	0.3	0.4
Model	Air On	Air On	Power Input (kW)														
	Condenser	Evaporator															
	(°F)	(°F)															
ESJ30	95	76/63	2.313	2.286	2.258	2.240	2.222	2.248	2.222	2.195	2.178	2.160	2.185	2.159	2.134	2.117	2.100
	95	80/67	2.495	2.465	2.436	2.417	2.397	2.425	2.396	2.368	2.349	2.330	2.357	2.329	2.301	2.283	2.265
	95	80.6/62.6	2.296	2.268	2.242	2.224	2.206	2.231	2.205	2.179	2.161	2.144	2.169	2.143	2.118	2.101	2.084
	95	80.6/66.2	2.458	2.429	2.400	2.381	2.362	2.389	2.361	2.333	2.314	2.296	2.322	2.295	2.267	2.249	2.231
	95	84.2/66.2	2.458	2.429	2.400	2.381	2.362	2.389	2.361	2.333	2.314	2.296	2.322	2.295	2.267	2.249	2.231
	105	76/63	2.503	2.474	2.444	2.425	2.405	2.433	2.404	2.376	2.357	2.338	2.365	2.337	2.309	2.291	2.272
	105	80/67	2.700	2.668	2.636	2.615	2.594	2.625	2.593	2.563	2.542	2.522	2.551	2.521	2.491	2.471	2.451
	105	80.6/62.6	2.483	2.454	2.425	2.405	2.386	2.414	2.385	2.357	2.338	2.319	2.346	2.318	2.291	2.272	2.254
	105	80.6/66.2	2.660	2.629	2.598	2.577	2.556	2.586	2.555	2.525	2.505	2.485	2.513	2.484	2.454	2.434	2.415
	105	84.2/66.2	2.660	2.629	2.598	2.577	2.556	2.586	2.555	2.525	2.505	2.485	2.513	2.484	2.454	2.434	2.415
	115	76/63	2.694	2.662	2.630	2.609	2.588	2.618	2.587	2.556	2.536	2.516	2.545	2.515	2.485	2.465	2.445
	115	80/67	2.905	2.871	2.837	2.814	2.792	2.824	2.791	2.757	2.735	2.714	2.745	2.712	2.680	2.659	2.638
	115	80.6/62.6	2.671	2.639	2.608	2.587	2.566	2.596	2.565	2.535	2.514	2.494	2.523	2.493	2.464	2.444	2.424
	115	80.6/66.2	2.862	2.829	2.795	2.773	2.750	2.782	2.749	2.717	2.695	2.673	2.704	2.672	2.641	2.620	2.599
	115	84.2/66.2	2.862	2.829	2.795	2.773	2.750	2.782	2.749	2.717	2.695	2.673	2.704	2.672	2.641	2.620	2.599
	125	76/63	2.828	2.795	2.761	2.739	2.717	2.749	2.716	2.684	2.663	2.641	2.672	2.640	2.609	2.588	2.567
	125	80/67	3.049	3.012	2.977	2.953	2.929	2.963	2.928	2.893	2.870	2.847	2.880	2.846	2.812	2.790	2.767
	125	80.6/62.6	2.805	2.772	2.739	2.717	2.695	2.727	2.694	2.662	2.641	2.620	2.650	2.619	2.588	2.567	2.547
	125	80.6/66.2	3.006	2.970	2.935	2.911	2.888	2.921	2.887	2.853	2.830	2.807	2.840	2.806	2.773	2.751	2.729
	125	84.2/66.2	3.006	2.970	2.935	2.911	2.888	2.921	2.887	2.853	2.830	2.807	2.840	2.806	2.773	2.751	2.729

Fan Speed			High					Med					Low				
External Static Pressure in.wg			0	0.1	0.2	0.3	0.4	0	0.1	0.2	0.3	0.4	0	0.1	0.2	0.3	0.4
Model	Air On	Air On	EER														
	Condenser	Evaporator															
	(°F)	(°F)															
ESJ30	95	76/63	12.14	11.94	11.73	11.59	11.45	11.49	11.30	11.10	10.97	10.83	10.78	10.60	10.42	10.29	10.16
	95	80/67	12.08	11.88	11.67	11.53	11.38	11.43	11.24	11.05	10.91	10.78	10.73				

EVEREST SERIES DUCTED SPLIT PRODUCT DATA BOOK

COOLING PERFORMANCE DATA

Fan Speed			Hi					Med					Low				
External Static Pressure in.wg			0	0.1	0.2	0.3	0.4	0	0.1	0.2	0.3	0.4	0	0.1	0.2	0.3	0.4
Model	Air On	Air On	Total Capacity BTUH														
	Condenser	Evaporator															
	(°F)	(°F)															
ESJ36	95	76/63	36023	35004	33984	33304	32625	33141	32203	31265	30640	30015	30225	29369	28514	27944	27373
	95	80/67	38650	37556	36462	35733	35004	35558	34551	33545	32874	32203	32429	31511	30593	29981	29369
	95	80.6/62.6	36398	35368	34338	33651	32964	33486	32539	31591	30959	30327	30540	29675	28811	28235	27659
	95	80.6/66.2	37524	36462	35400	34692	33984	34522	33545	32568	31917	31265	31484	30593	29702	29108	28514
	95	84.2/66.2	37899	36827	35754	35039	34324	34867	33880	32894	32236	31578	31799	30899	29999	29399	28799
	105	76/63	34090	33125	32160	31517	30874	31362	30475	29587	28995	28404	28603	27793	26984	26444	25904
	105	80/67	36575	35540	34505	33814.9	33125	33649	32697	31745	31110	30475	30688	29820	28951	28372	27793
	105	80.6/62.6	34361	33388	32416	31768	31119	31612	30717	29823	29226	28630	28830	28014	27198	26654	26110
	105	80.6/66.2	35343	34342	33342	32675	32008	32515	31595	30675	30061	29448	29654	28815	27975	27416	26856
	105	84.2/66.2	35698	34687	33677	33003	32330	32842	31912	30983	30363	29744	29952	29104	28256	27691	27126
	115	76/63	32156	31246	30336	29729	29123	29584	28746	27909	27351	26793	26980	26217	25453	24944	24435
	115	80/67	34501	33524	32548	31897	31246	31741	30842	29944	29345	28746	28948	28128	27309	26763	26217
	115	80.6/62.6	32324	31409	30494	29884	29274	29738	28896	28054	27493	26932	27121	26353	25586	25074	24562
	115	80.6/66.2	33161	32223	31284	30658	30033	30508	29645	28781	28206	27630	27823	27036	26249	25724	25199
	115	84.2/66.2	33496	32548	31600	30968	30336	30816	29944	29072	28491	27909	28104	27309	26514	25983	25453
	125	76/63	26462	25713	24964	24465	23965	24345	23656	22967	22508	22048	22203	21574	20946	20527	20108
	125	80/67	30816	29944	29072	28491	27909	28351	27549	26746	26211	25676	25856	25124	24393	23905	23417
	125	80.6/62.6	26160	25420	24680	24186	23692	24068	23386	22705	22251	21797	21950	21328	20707	20293	19879
	125	80.6/66.2	29142	28317	27492	26942	26392	26810	26051	25293	24787	24281	24451	23759	23067	22606	22144
	125	84.2/66.2	30146	29293	28440	27871	27302	27735	26950	26165	25642	25118	25294	24578	23862	23385	22908

Fan Speed			Hi					Med					Low				
External Static Pressure in.wg			0	0.1	0.2	0.3	0.4	0	0.1	0.2	0.3	0.4	0	0.1	0.2	0.3	0.4
Model	Air On	Air On	Sensible Capacity BTUH														
	Condenser	Evaporator															
	(°F)	(°F)															
ESJ36	95	76/63	33166	32228	31289	30663	30037	30513	29649	28786	28210	27634	27828	27040	26253	25728	25203
	95	80/67	33030	32095	31161	30537	29914	30388	29528	28668	28094	27521	27714	26929	26145	25622	25099
	95	80.6/62.6	31893	30990	30087	29486	28884	29341	28511	27680	27127	26573	26759	26002	25245	24740	24235
	95	80.6/66.2	31870	30968	30066	29464	28863	29320	28490	27661	27107	26554	26740	25983	25226	24722	24217
	95	84.2/66.2	32188	31277	30366	29759	29152	29613	28775	27937	27378	26820	27007	26243	25479	24969	24460
	105	76/63	31643	30747	29852	29255	28658	29112	28288	27464	26915	26365	26550	25798	25047	24546	24045
	105	80/67	31416	30527	29638	29045	28452	28903	28085	27267	26722	26176	26359	25613	24867	24370	23873
	105	80.6/62.6	29928	29081	28234	27669	27105	27534	26755	25975	25456	24936	25111	24400	23689	23216	22742
	105	80.6/66.2	29740	28899	28057	27496	26935	27361	26587	25812	25296	24780	24953	24247	23541	23070	22599
	105	84.2/66.2	31837	30936	30035	29435	28834	29290	28461	27632	27080	26527	26713	25957	25201	24697	24193
	115	76/63	30120	29267	28415	27847	27278	27710	26926	26142	25619	25096	25272	24557	23841	23364	22888
	115	80/67	29802	28959	28115	27553	26991	27418	26642	25866	25349	24831	25005	24298	23590	23118	22646
	115	80.6/62.6	27963	27172	26381	25833	25275	25726	24998	24270	23785	23299	23462	22798	22134	21692	21249
	115	80.6/66.2	27611	26829	26048	25527	25006	25402	24683	23964	23485	23005	23167	22511	21855	21418	20981
	115	84.2/66.2	31486	30595	29704	29110	28516	28967	28148	27328	26781	26235	26418	25671	24923	24424	23926
	125	76/63	19634	19078	18523	18152	17782	18063	17552	17041	16700	16359	16474	16007	15541	15230	14920
	125	80/67	22184	21557	20929	20510	20092	20410	19832	19254	18869	18484	18614	18087	17560	17209	16858
	125	80.6/62.6	20925	20332	19740	19345	18951	19251	18706	18161	17798	17434	17557	17060	16563	16232	15900
	125	80.6/66.2	21723	21108	20493	20083	19673	19985	19419	18854	18477	18099	18226	17710	17195	16851	16507
	125	84.2/66.2	22562	21923	21285	20859	20433	20757	20169	19582	19190	18799	18930	18394	17859	17501	17144

Fan Speed			Hi					Med					Low				
External Static Pressure in.wg			0	0.1	0.2	0.3	0.4	0	0.1	0.2	0.3	0.4	0	0.1	0.2	0.3	0.4
Model	Air On	Air On	Power Input (kW)														
	Condenser	Evaporator															
	(°F)	(°F)															
ESJ36	95	76/63	2.966	2.931	2.896	2.873	2.850	2.883	2.849	2.815	2.793	2.770	2.803	2.769	2.736	2.715	2.693
	95	80/67	3.200	3.162	3.124	3.099	3.074	3.110	3.073	3.037	3.012	2.988	3.023	2.987	2.952	2.928	2.905
	95	80.6/62.6	2.944	2.909	2.875	2.852	2.829	2.862	2.828	2.794	2.772	2.750	2.782	2.749	2.716	2.694	2.673
	95	80.6/66.2	3.152	3.115	3.078	3.053	3.029	3.064	3.028	2.992	2.968	2.944	2.978	2.943	2.908	2.885	2.862
	105	76/63	3.318	3.278	3.239	3.213	3.188	3.225	3.186	3.149	3.123	3.099	3.134	3.097	3.061	3.036	3.012
	105	80/67	3.578	3.536	3.494	3.466	3.438	3.478	3.437	3.396	3.369	3.342	3.381	3.341	3.301	3.275	3.249
	105	80.6/62.6	3.291	3.252	3.213	3.188	3.162	3.199	3.161	3.123	3.098	3.074	3.109	3.072	3.036	3.012	2.988
	105	80.6/66.2	3.526	3.484	3.443	3.415	3.388	3.427	3.386	3.346	3.319	3.293	3.331	3.291	3.252	3.226	3.201
	105	84.2/66.2	3.526	3.484	3.443	3.415	3.388	3.427	3.386	3.346	3.319	3.293	3.331	3.291	3.252	3.226	3.201
	115	76/63	3.669	3.625	3.582	3.554	3.525	3.566	3.524	3.482	3.454	3.427	3.466	3.425	3.385	3.358	3.331
	115	80/67	3.957	3.910	3.864	3.833	3.803	3.847	3.801	3.756	3.726	3.696	3.739	3.695	3.651	3.622	3.593
	115	80.6/62.6	3.638	3.595	3.552	3.524	3.495	3.536	3.494	3.452	3.425	3.397	3.436	3.396	3.356	3.329	3.302
	115	80.6/66.2	3.899	3.853	3.807	3.777	3.746	3.790	3.745	3.700	3.671	3.641	3.684	3.640	3.597	3.568	3.539
	115	84.2/66.2	3.899	3.853	3.807	3.777	3.746	3.790	3.745	3.700	3.671	3.641	3.684	3.640	3.597	3.568	3.539
	125	76/63	3.852	3.806	3.761	3.731	3.701	3.744	3.700	3.656	3.627	3.598	3.639	3.596	3.554	3.525	3.497
	125	80/67	4.152	4.103	4.054	4.022	3.990	4.036	3.988	3.941	3.909	3.878	3.923	3.877	3.831	3.800	3.770
	125	80.6/62.6	3.821	3.776	3.731	3.701	3.671	3.714	3.670	3.626	3.597	3.569	3.610	3.567	3.525	3.497	3.469
	125	80.6/66.2	4.094	4.045	3.997	3.965	3.934	3.979	3.932	3.885	3.854	3.824	3.868	3.822	3.777	3.746	3.716
	125	84.2/66.2	4.094	4.045	3.997	3.965	3.934	3.979	3.932	3.885	3.854	3.824	3.868	3.822	3.777	3.746	3.716

Fan Speed			High					Med					Low				
External Static Pressure in.wg			0	0.1	0.2	0.3	0.4	0	0.1	0.2	0.3	0.4	0	0.1	0.2	0.3	0.4
Model	Air On	Air On	EER														
	Condenser	Evaporator															
	(°F)	(°F)															
ESJ36	95	76/63	12.14	11.94	11.73	11.59	11.45	11.49	11.30	11.11	10.97	10.83	10.78	10.61	10.42	10.29	10.17
	95	80/67	12.08	11.88	11.67	11.53	11.39	11.43	11.24	11.05	10.91	10.78	10.73	10.55	10.36	10.24	10.11
	95	80.6/62.6	12.36	12.16	11.94	11.80	11.65	11.70	11.51	11.31	11.17	11.03	10.98				

EVEREST SERIES DUCTED SPLIT PRODUCT DATA BOOK

COOLING PERFORMANCE DATA

Fan Speed			Hi					Med					Low				
External Static Pressure in wg			0	0.1	0.2	0.3	0.4	0	0.1	0.2	0.3	0.4	0	0.1	0.2	0.3	0.4
Model	Air On	Air On	Total Capacity BTUH														
	Condenser (°F)	Evaporator (°F)															
ESJ42	95	76/63	42536	41332	40128	39325	38523	39133	38025	36918	36179	35441	35689	34679	33669	32996	32322
	95	80/67	45637	44346	43054	42193	41332	41986	40798	39610	38817	38025	38291	37208	36124	35402	34679
	95	80.6/62.6	42979	41762	40546	39735	38924	39540	38421	37302	36556	35810	36061	35040	34020	33339	32659
	95	80.6/66.2	44308	43054	41800	40964	40128	40763	39610	38456	37687	36918	37176	36124	35072	34370	33669
	95	84.2/66.2	44751	43485	42218	41374	40529	41171	40006	38841	38064	37287	37548	36485	35423	34714	34006
	105	76/63	40297	39156	38016	37256	36495	37073	36024	34975	34275	33576	33811	32854	31897	31259	30621
	105	80/67	43235	42012	40788	39972	39156	39776	38651	37525	36774	36024	36276	35249	34223	33538	32854
	105	80.6/62.6	40618	39468	38319	37552	36786	37368	36311	35253	34548	33843	34080	33115	32151	31508	30865
	105	80.6/66.2	41778	40595	39413	38625	37836	38436	37348	36260	35535	34810	35053	34061	33069	32408	31746
	105	84.2/66.2	42198	41003	39809	39013	38217	38822	37723	36624	35892	35159	35405	34403	33401	32733	32065
	115	76/63	38058	36981	35904	35186	34468	35014	34023	33032	32371	31710	31932	31029	30125	29522	28920
	115	80/67	40833	39678	38522	37752	36981	37567	36503	35440	34731	34023	34261	33291	32321	31675	31029
	115	80.6/62.6	38256	37174	36091	35369	34647	35196	34200	33204	32540	31876	32099	31190	30282	29676	29071
	115	80.6/66.2	39248	38137	37026	36285	35545	36108	35086	34064	33383	32701	32930	31998	31066	30445	29824
	115	84.2/66.2	39644	38522	37400	36652	35904	36472	35440	34408	33720	33032	33263	32321	31380	30752	30125
	125	76/63	31319	30432	29546	28955	28364	28813	27998	27182	26639	26095	26278	25534	24790	24294	23799
	125	80/67	36472	35440	34408	33720	33032	33555	32605	31655	31022	30389	30602	29736	28870	28292	27715
	125	80.6/62.6	30962	30086	29209	28625	28041	28485	27679	26873	26335	25798	25978	25243	24508	24018	23528
	125	80.6/66.2	34490	33514	32538	31887	31236	31731	30833	29935	29336	28738	28939	28120	27301	26755	26209
	125	84.2/66.2	35680	34670	33660	32987	32314	32825	31896	30967	30348	29729	29937	29089	28242	27677	27112

Fan Speed			Hi					Med					Low				
External Static Pressure in wg			0	0.1	0.2	0.3	0.4	0	0.1	0.2	0.3	0.4	0	0.1	0.2	0.3	0.4
Model	Air On	Air On	Sensible Capacity BTUH														
	Condenser (°F)	Evaporator (°F)															
ESJ42	95	76/63	39162	38054	36946	36207	35468	36029	35010	33990	33310	32630	32859	31929	30999	30379	29759
	95	80/67	39002	37898	36794	36058	35322	35882	34866	33851	33174	32497	32724	31798	30872	30254	29637
	95	80.6/62.6	37659	36593	35527	34816	34106	34646	33665	32685	32031	31377	31597	30703	29808	29212	28616
	95	80.6/66.2	37631	36566	35501	34791	34081	34621	33641	32661	32008	31355	31574	30681	29787	29191	28596
	95	84.2/66.2	38008	36932	35856	35139	34422	34962	33978	32988	32328	31668	31890	30988	30085	29483	28882
	105	76/63	37405	36347	35288	34582	33876	34413	33439	32465	31816	31166	31385	30496	29608	29016	28424
	105	80/67	37137	36086	35035	34334	33634	34166	33199	32232	31587	30943	31159	30278	29396	28808	28220
	105	80.6/62.6	35377	34376	33375	32707	32040	32547	31626	30705	30091	29477	29683	28843	28003	27443	26883
	105	80.6/66.2	35155	34160	33165	32502	31838	32343	31427	30512	29902	29291	29496	28662	27827	27270	26714
	105	84.2/66.2	37637	36571	35506	34796	34086	34626	33646	32666	32012	31359	31579	30685	29791	29195	28599
	115	76/63	35648	34639	33630	32958	32285	32796	31888	30940	30321	29702	29910	29064	28217	27653	27089
	115	80/67	35272	34274	33274	32610	31945	32450	31532	30614	30001	29389	29595	28757	27920	27361	26803
	115	80.6/62.6	33096	32159	31223	30598	29974	30448	29587	28725	28150	27576	27769	26983	26197	25673	25149
	115	80.6/66.2	32679	31754	30829	30212	29596	30064	29213	28363	27795	27228	27419	26643	25867	25349	24832
	115	84.2/66.2	37265	36211	35156	34453	33750	34284	33314	32344	31697	31050	31267	30382	29497	28907	28317
	125	76/63	23238	22580	21922	21484	21045	21379	20774	20169	19765	19362	19497	18946	18394	18026	17658
	125	80/67	26256	25513	24770	24275	23779	24156	23472	22789	22333	21877	22030	21407	20783	20367	19952
	125	80.6/62.6	24765	24064	23363	22896	22429	22784	22139	21494	21064	20634	20779	20191	19603	19211	18819
	125	80.6/66.2	25710	24982	24254	23769	23284	23653	22984	22314	21868	21422	21572	20961	20350	19943	19536
	125	84.2/66.2	26703	25947	25191	24687	24184	24567	23871	23176	22712	22249	22405	21771	21136	20714	20291

Fan Speed			Hi					Med					Low				
External Static Pressure in wg			0	0.1	0.2	0.3	0.4	0	0.1	0.2	0.3	0.4	0	0.1	0.2	0.3	0.4
Model	Air On	Air On	Power Input (kW)														
	Condenser (°F)	Evaporator (°F)															
ESJ42	95	76/63	3.503	3.462	3.421	3.393	3.366	3.405	3.365	3.325	3.298	3.272	3.310	3.270	3.232	3.206	3.180
	95	80/67	3.779	3.734	3.690	3.660	3.631	3.673	3.629	3.586	3.558	3.529	3.570	3.528	3.486	3.458	3.430
	95	80.6/62.6	3.477	3.436	3.395	3.368	3.341	3.380	3.340	3.300	3.274	3.247	3.285	3.246	3.208	3.182	3.157
	95	80.6/66.2	3.723	3.679	3.635	3.606	3.577	3.619	3.576	3.533	3.505	3.477	3.517	3.476	3.434	3.407	3.380
	95	84.2/66.2	3.723	3.679	3.635	3.606	3.577	3.619	3.576	3.533	3.505	3.477	3.517	3.476	3.434	3.407	3.380
	105	76/63	3.923	3.876	3.830	3.800	3.769	3.813	3.768	3.723	3.693	3.664	3.706	3.662	3.619	3.590	3.561
	105	80/67	4.231	4.181	4.132	4.099	4.066	4.113	4.064	4.016	3.984	3.952	3.998	3.950	3.903	3.872	3.841
	105	80.6/62.6	3.891	3.845	3.800	3.769	3.739	3.782	3.738	3.693	3.664	3.634	3.676	3.633	3.590	3.561	3.533
	105	80.6/66.2	4.169	4.119	4.071	4.038	4.006	4.052	4.004	3.957	3.925	3.893	3.939	3.892	3.846	3.815	3.784
	105	84.2/66.2	4.169	4.119	4.071	4.038	4.006	4.052	4.004	3.957	3.925	3.893	3.939	3.892	3.846	3.815	3.784
	115	76/63	4.343	4.291	4.240	4.206	4.173	4.221	4.171	4.121	4.088	4.056	4.103	4.054	4.006	3.974	3.942
	115	80/67	4.684	4.628	4.574	4.537	4.501	4.553	4.499	4.446	4.410	4.375	4.425	4.373	4.321	4.286	4.252
	115	80.6/62.6	4.306	4.255	4.204	4.170	4.137	4.185	4.135	4.086	4.054	4.021	4.068	4.020	3.972	3.940	3.909
	115	80.6/66.2	4.615	4.560	4.506	4.470	4.434	4.486	4.432	4.380	4.345	4.310	4.360	4.308	4.257	4.223	4.189
	115	84.2/66.2	4.615	4.560	4.506	4.470	4.434	4.486	4.432	4.380	4.345	4.310	4.360	4.308	4.257	4.223	4.189
	125	76/63	4.559	4.505	4.452	4.416	4.381	4.432	4.379	4.327	4.293	4.258	4.308	4.257	4.206	4.172	4.139
	125	80/67	4.915	4.856	4.799	4.760	4.722	4.777	4.720	4.665	4.627	4.590	4.643	4.588	4.534	4.498	4.462
	125	80.6/62.6	4.522	4.469	4.416	4.381	4.346	4.396	4.344	4.292	4.258	4.224	4.273	4.222	4.172	4.139	4.106
	125	80.6/66.2	4.846	4.788	4.731	4.693	4.656	4.710	4.654	4.599	4.562	4.526	4.578	4.524	4.470	4.434	4.399
	125	84.2/66.2	4.846	4.788	4.731	4.693	4.656	4.710	4.654	4.599	4.562	4.526	4.578	4.524	4.470	4.434	4.399

Fan Speed			High					Med					Low				
External Static Pressure in wg			0	0.1	0.2	0.3	0.4	0	0.1	0.2	0.3	0.4	0	0.1	0.2	0.3	0.4
Model	Air On	Air On	EER														
	Condenser (°F)	Evaporator (°F)															
ESJ42	95	76/63	12.14	11.94	11.73	11.59	11.44	11.49	11.30	11.10	10.97	10.83	10.78	10.60	10.42	10.29	10.16
	95	80/67	12.08	11.88	11.67	11.53	11.38	11.43	11.24	11.04	10.91	10.77	10.73	10.55	10.36	10.24	10.11
	95	80.6/62.6	12.36	12.15	11.94	11.80	11.65										

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Fan Speed			Hi				Med				Low							
External Static Pressure in.wg			0	0.1	0.2	0.3	0.4	0	0.1	0.2	0.3	0.4	0	0.1	0.2	0.3	0.4	
Model	Air On	Air On	Total Capacity BTUH															
	Condenser (°F)	Evaporator (°F)																
ESJ48	95	76/63	49455	48056	46656	45723	44790	45499	44211	42924	42065	41207	41495	40321	39146	38363	37580	
	95	80/67	53061	51560	50058	49057	48056	48817	47435	46053	45132	44211	44521	43261	42001	41161	40321	
	95	80.6/62.6	49971	48556	47142	46199	45256	45973	44672	43371	42503	41636	41927	40741	39554	38763	37972	
	95	80.6/66.2	51516	50058	48600	47628	46656	47395	46053	44712	43818	42924	43224	42001	40777	39962	39146	
	95	84.2/66.2	52031	50559	49086	48104	47123	47869	46514	45159	44256	43353	43656	42421	41185	40361	39538	
	105	76/63	47115	45781	44448	43559	42670	43346	42119	40892	40074	39256	39531	38412	37294	36548	35802	
	105	80/67	50550	49120	47689	46735	45781	46506	45190	43874	42996	42119	42414	41213	40013	39213	38412	
	105	80.6/62.6	47489	46145	44801	43905	43009	43690	42453	41217	40393	39568	39845	38718	37590	36838	36086	
	105	80.6/66.2	48845	47462	46080	45158	44237	44937	43665	42394	41546	40698	40983	39823	38663	37890	37116	
	105	84.2/66.2	49336	47939	46543	45612	44681	45389	44104	42820	41963	41107	41395	40223	39051	38270	37489	
	115	76/63	44774	43507	42240	41395	40550	41192	40027	38861	38084	37306	37568	36504	35441	34732	34023	
	115	80/67	48039	46680	45320	44414	43507	44196	42945	41694	40861	40027	40307	39166	38025	37265	36504	
	115	80.6/62.6	45008	43734	42460	41611	40762	41407	40235	39063	38282	37501	37763	36694	35626	34913	34201	
	115	80.6/66.2	46174	44867	43560	42689	41818	42480	41277	40075	39274	38472	38741	37645	36549	35818	35087	
	115	84.2/66.2	46640	45320	44000	43120	42240	42909	41694	40480	39670	38861	39133	38025	36918	36179	35441	
	125	76/63	36846	35803	34760	34065	33370	33898	32939	31979	31340	30700	30915	30040	29165	28582	27998	
	125	80/67	42909	41694	40480	39670	38861	39476	38359	37242	36497	35752	36002	34983	33964	33285	32606	
	125	80.6/62.6	36426	35395	34364	33677	32989	33512	32563	31615	30983	30350	30563	29698	28833	28256	27679	
	125	80.6/66.2	40577	39428	38280	37514	36749	37331	36274	35218	34513	33809	34046	33082	32118	31476	30834	
	125	84.2/66.2	41976	40788	39600	38808	38016	38618	37525	36432	35703	34975	35220	34223	33226	32561	31897	

Fan Speed			Hi				Med				Low							
External Static Pressure in.wg			0	0.1	0.2	0.3	0.4	0	0.1	0.2	0.3	0.4	0	0.1	0.2	0.3	0.4	
Model	Air On	Air On	Sensible Capacity BTUH															
	Condenser (°F)	Evaporator (°F)																
ESJ48	95	76/63	45533	44245	42956	42097	41238	41891	40705	39519	38729	37939	38204	37123	36042	35321	34600	
	95	80/67	45347	44063	42780	41924	41069	41719	40538	39357	38570	37783	38048	36971	35894	35176	34458	
	95	80.6/62.6	43785	42546	41306	40480	39654	40282	39142	38002	37242	36482	36737	35697	34658	33965	33271	
	95	80.6/66.2	43753	42515	41277	40451	39626	40253	39114	37975	37215	36456	36711	35672	34633	33940	33248	
	95	84.2/66.2	44191	42940	41690	40856	40022	40656	39505	38354	37587	36820	37078	36029	34979	34280	33580	
	105	76/63	43736	42498	41261	40435	39610	40237	39098	37960	37201	36441	36696	35658	34619	33927	33234	
	105	80/67	43422	42193	40964	40145	39325	39948	38817	37687	36933	36179	36433	35401	34370	33683	32995	
	105	80.6/62.6	41361	40190	39019	38239	37459	38052	36975	35898	35180	34462	34703	33721	32739	32084	31429	
	105	80.6/66.2	41099	39936	38773	37998	37222	37811	36741	35671	34958	34244	34484	33508	32532	31881	31231	
	105	84.2/66.2	44016	42770	41525	40694	39864	40495	39349	38203	37439	36675	36931	35886	34841	34144	33447	
	115	76/63	41939	40752	39565	38774	37983	38584	37492	36400	35672	34944	35189	34193	33197	32533	31869	
	115	80/67	41497	40322	39148	38365	37582	38177	37097	36016	35296	34575	34817	33832	32847	32190	31533	
	115	80.6/62.6	38936	37834	36732	35998	35263	35822	34808	33794	33118	32442	32669	31745	30820	30204	29587	
	115	80.6/66.2	38445	37357	36269	35544	34818	35370	34369	33368	32700	32033	32257	31344	30431	29823	29214	
	115	84.2/66.2	43842	42601	41360	40533	39706	40334	39193	38051	37290	36529	36785	35744	34703	34009	33315	
	125	76/63	27338	26565	25791	25275	24759	25151	24440	23728	23253	22779	22938	22289	21640	21207	20774	
	125	80/67	30890	30016	29141	28558	27976	28419	27614	26810	26274	25738	25918	25184	24451	23962	23473	
	125	80.6/62.6	29135	28311	27486	26937	26387	26805	26046	25287	24782	24276	24446	23754	23062	22601	22140	
	125	80.6/66.2	30247	29391	28535	27964	27393	27827	27039	26252	25727	25202	25378	24660	23942	23463	22984	
	125	84.2/66.2	31415	30526	29637	29044	28451	28902	28084	27266	26721	26175	26358	25612	24866	24369	23872	

Fan Speed			Hi				Med				Low							
External Static Pressure in.wg			0	0.1	0.2	0.3	0.4	0	0.1	0.2	0.3	0.4	0	0.1	0.2	0.3	0.4	
Model	Air On	Air On	Power Input (kW)															
	Condenser (°F)	Evaporator (°F)																
ESJ48	95	76/63	4.073	4.024	3.977	3.945	3.913	3.959	3.912	3.865	3.834	3.804	3.848	3.802	3.757	3.727	3.697	
	95	80/67	4.393	4.341	4.289	4.255	4.221	4.270	4.219	4.169	4.136	4.103	4.150	4.101	4.053	4.020	3.988	
	95	80.6/62.6	4.042	3.994	3.947	3.916	3.884	3.929	3.883	3.837	3.806	3.775	3.819	3.774	3.729	3.699	3.670	
	95	80.6/66.2	4.328	4.277	4.226	4.192	4.159	4.207	4.157	4.108	4.075	4.042	4.089	4.041	3.993	3.961	3.929	
	95	84.2/66.2	4.328	4.277	4.226	4.192	4.159	4.207	4.157	4.108	4.075	4.042	4.089	4.041	3.993	3.961	3.929	
	105	76/63	4.591	4.536	4.482	4.447	4.411	4.462	4.409	4.357	4.322	4.288	4.337	4.286	4.235	4.201	4.167	
	105	80/67	4.952	4.893	4.835	4.796	4.758	4.813	4.756	4.700	4.662	4.625	4.678	4.623	4.568	4.531	4.495	
	105	80.6/62.6	4.554	4.500	4.446	4.411	4.376	4.426	4.374	4.322	4.287	4.253	4.302	4.251	4.201	4.167	4.134	
	105	80.6/66.2	4.879	4.821	4.764	4.725	4.688	4.742	4.686	4.630	4.593	4.556	4.609	4.554	4.500	4.464	4.429	
	105	84.2/66.2	4.879	4.821	4.764	4.725	4.688	4.742	4.686	4.630	4.593	4.556	4.609	4.554	4.500	4.464	4.429	
	115	76/63	5.109	5.048	4.988	4.948	4.909	4.966	4.907	4.849	4.810	4.771	4.827	4.769	4.713	4.675	4.638	
	115	80/67	5.510	5.445	5.381	5.337	5.295	5.356	5.293	5.230	5.188	5.147	5.206	5.144	5.083	5.043	5.002	
	115	80.6/62.6	5.065	5.005	4.946	4.906	4.867	4.923	4.865	4.807	4.769	4.731	4.786	4.729	4.673	4.635	4.598	
	115	80.6/66.2	5.429	5.365	5.301	5.259	5.217	5.277	5.214	5.153	5.111	5.070	5.129	5.068	5.008	4.968	4.928	
	115	84.2/66.2	5.429	5.365	5.301	5.259	5.217	5.277	5.214	5.153	5.111	5.070	5.129	5.068	5.008	4.968	4.928	
	125	76/63	5.364	5.300	5.237	5.195	5.154	5.214	5.152	5.091	5.050	5.010	5.068	5.008	4.948	4.909	4.869	
	125	80/67	5.782	5.713	5.646	5.600	5.556	5.620	5.553	5.487	5.444	5.400	5.463	5.398	5.334	5.291	5.249	
	125	80.6/62.6	5.320	5.257	5.195	5.153	5.112	5.171	5.110	5.050	5.009	4.969	5.027	4.967	4.908	4.869	4.830	
	125	80.6/66.2	5.700	5.633	5.566	5.522	5.477	5.541	5.475	5.410	5.367	5.324	5.386	5.322	5.259	5.217	5.175	
	125	84.2/66.2	5.700	5.633	5.566	5.522	5.477	5.541	5.475	5.410	5.367	5.324	5.386	5.322	5.259	5.217	5.175	

Fan Speed			High				Med				Low							
External Static Pressure in.wg			0	0.1	0.2	0.3	0.4	0	0.1	0.2	0.3	0.4	0	0.1	0.2	0.3	0.4	
Model	Air On	Air On	EER															
	Condenser (°F)	Evaporator (°F)																
ESJ48	95	76/63	12.14	11.94	11.73	11.59	11.45	11.49	11.30	11.10	10.97	10.83	10.78	10.60	10.42	10.29	10.16	
	95	80/67	12.08	11.88	11.67	11.53	11.38	11.43	11.24	11.05	10.91	10.78	10.73	10.55	10.36	10.24	10.11	
	95	80.6/62.6	12.36	12.16	11.94	11.80	1											

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Fan Speed			Hi					Med					Low				
External Static Pressure in.wg			0	0.1	0.2	0.3	0.4	0	0.1	0.2	0.3	0.4	0	0.1	0.2	0.3	0.4
Model	Air On	Air On	Total Capacity BTUH														
	Condenser	Evaporator															
	(°F)	(°F)															
ESJ60	95	76/63	56986	55373	53760	52685	51610	52427	50943	49459	48470	47481	47813	46460	45107	44205	43303
	95	80/67	61141	59410	57680	56526	55373	56250	54658	53066	52004	50943	51300	49848	48396	47428	46460
	95	80.6/62.6	57579	55950	54320	53234	52147	52973	51474	49974	48975	47975	48311	46944	45577	44665	43754
	95	80.6/66.2	59360	57680	56000	54880	53760	54611	53066	51520	50490	49459	49805	48396	46986	46047	45107
	95	84.2/66.2	59954	58257	56560	55429	54298	55157	53596	52035	50994	49954	50303	48880	47456	46507	45558
	105	76/63	54849	53296	51744	50709	49674	50461	49033	47604	46652	45700	46020	44718	43415	42547	41679
	105	80/67	58848	57183	55517	54407	53296	54140	52608	51076	50054	49033	49376	47978	46581	45649	44718
	105	80.6/62.6	55283	53718	52154	51110	50067	50860	49421	47981	47022	46062	46384	45072	43759	42884	42009
	105	80.6/66.2	56859	55250	53641	52568	51495	52311	50830	49350	48363	47376	47707	46357	45007	44107	43207
	105	84.2/66.2	57431	55805	54180	53096	52013	52836	51341	49846	48849	47852	48187	46823	45459	44550	43641
	115	76/63	52712	51220	49728	48733	47739	48495	47122	45750	44835	43920	44227	42975	41724	40889	40055
	115	80/67	56555	54955	53354	52287	51220	52031	50558	49086	48104	47122	47452	46109	44766	43871	42975
	115	80.6/62.6	52986	51487	49987	48987	47988	48747	47368	45988	45068	44149	44458	43199	41941	41102	40263
	115	80.6/66.2	54359	52820	51282	50256	49231	50010	48595	47179	46236	45292	45609	44318	43028	42167	41307
	115	84.2/66.2	54908	53354	51800	50764	49728	50515	49086	47656	46703	45750	46070	44766	43462	42593	41724
	125	76/63	43377	42150	40922	40104	39285	39907	38778	37648	36895	36142	36395	35365	34335	33648	32962
	125	80/67	50515	49086	47656	46703	45750	46474	45159	43844	42967	42090	42384	41185	39985	39186	38386
	125	80.6/62.6	42883	41669	40456	39647	38838	39452	38336	37219	36475	35731	35981	34962	33944	33265	32586
	125	80.6/66.2	47770	46418	45066	44165	43263	43948	42705	41461	40632	39802	40081	38947	37812	37056	36300
	125	84.2/66.2	49417	48019	46620	45688	44755	45464	44177	42890	42033	41175	41463	40290	39116	38334	37551

Fan Speed			Hi					Med					Low				
External Static Pressure in.wg			0	0.1	0.2	0.3	0.4	0	0.1	0.2	0.3	0.4	0	0.1	0.2	0.3	0.4
Model	Air On	Air On	Sensible Capacity BTUH														
	Condenser	Evaporator															
	(°F)	(°F)															
ESJ60	95	76/63	52466	50981	49497	48507	47517	48269	46903	45537	44626	43715	44021	42775	41530	40699	39868
	95	80/67	52251	50772	49294	48308	47322	48071	46711	45350	44443	43536	43841	42600	41359	40532	39705
	95	80.6/62.6	50452	49024	47596	46644	45692	46415	45102	43788	42912	42037	42331	41133	39935	39136	38337
	95	80.6/66.2	50415	48989	47562	46610	45659	46382	45069	43757	42882	42006	42301	41103	39906	39108	38310
	95	84.2/66.2	50920	49478	48037	47077	46116	46846	45520	44194	43310	42427	42724	41514	40305	39499	38693
	105	76/63	50920	49479	48038	47077	46116	46846	45521	44195	43311	42427	42724	41515	40306	39499	38693
	105	80/67	50552	49121	47691	46737	45783	46508	45192	43875	42998	42120	42415	41215	40014	39214	38414
	105	80.6/62.6	48145	46783	45420	44512	43603	44294	43040	41786	40951	40115	40396	39252	38109	37347	36585
	105	80.6/66.2	47838	46484	45130	44228	43325	44011	42765	41520	40689	39859	40138	39002	37866	37109	36351
	105	84.2/66.2	51267	49816	48365	47397	46430	47165	45830	44495	43606	42716	43015	41797	40580	39768	38957
	115	76/63	49374	47976	46579	45647	44716	45424	44138	42853	41996	41139	41426	40254	39082	38300	37518
	115	80/67	48853	47470	46088	45166	44244	44945	43673	42401	41553	40705	40990	39830	38669	37896	37123
	115	80.6/62.6	45839	44541	43244	42379	41514	42172	40978	39785	38989	38193	38461	37372	36284	35558	34832
	115	80.6/66.2	45261	43980	42699	41845	40991	41640	40461	39283	38497	37712	37975	36901	35826	35109	34393
	115	84.2/66.2	51614	50153	48692	47718	46744	47484	46141	44797	43901	43005	43306	42080	40855	40037	39220
	125	76/63	32185	31274	30363	29756	29148	29610	28772	27934	27375	26817	27004	26240	25476	24966	24457
	125	80/67	36366	35336	34307	33621	32935	33456	32510	31563	30931	30300	30512	29649	28785	28209	27634
	125	80.6/62.6	34300	33330	32359	31712	31064	31556	30663	29770	29175	28579	28779	27965	27150	26607	26064
	125	80.6/66.2	35609	34601	33593	32921	32249	32760	31833	30906	30288	29669	29877	29032	28186	27622	27059
	125	84.2/66.2	36984	35937	34891	34193	33495	34025	33062	32099	31457	30815	31031	30153	29275	28689	28104

Fan Speed			Hi					Med					Low				
External Static Pressure in.wg			0	0.1	0.2	0.3	0.4	0	0.1	0.2	0.3	0.4	0	0.1	0.2	0.3	0.4
Model	Air On	Air On	Power Input (kW)														
	Condenser	Evaporator															
	(°F)	(°F)															
ESJ60	95	76/63	4.693	4.638	4.583	4.546	4.510	4.562	4.508	4.454	4.419	4.383	4.434	4.382	4.330	4.295	4.261
	95	80/67	5.062	5.002	4.943	4.904	4.864	4.921	4.862	4.805	4.766	4.728	4.783	4.726	4.670	4.633	4.596
	95	80.6/62.6	4.658	4.603	4.549	4.512	4.476	4.528	4.474	4.421	4.386	4.351	4.401	4.349	4.297	4.263	4.229
	95	80.6/66.2	4.988	4.928	4.870	4.831	4.792	4.848	4.790	4.734	4.696	4.658	4.712	4.656	4.601	4.564	4.528
	95	84.2/66.2	4.988	4.928	4.870	4.831	4.792	4.848	4.790	4.734	4.696	4.658	4.712	4.656	4.601	4.564	4.528
	105	76/63	5.354	5.290	5.228	5.186	5.144	5.204	5.142	5.081	5.041	5.000	5.058	4.998	4.939	4.900	4.860
	105	80/67	5.775	5.706	5.639	5.594	5.549	5.613	5.542	5.481	5.437	5.394	5.456	5.391	5.327	5.285	5.243
	105	80.6/62.6	5.311	5.248	5.186	5.144	5.103	5.162	5.101	5.041	5.000	4.960	5.018	4.958	4.899	4.860	4.821
	105	80.6/66.2	5.690	5.622	5.556	5.511	5.467	5.530	5.465	5.400	5.357	5.314	5.375	5.312	5.249	5.207	5.165
	105	84.2/66.2	5.690	5.622	5.556	5.511	5.467	5.530	5.465	5.400	5.357	5.314	5.375	5.312	5.249	5.207	5.165
	115	76/63	6.015	5.943	5.873	5.826	5.779	5.846	5.777	5.708	5.663	5.617	5.682	5.615	5.549	5.504	5.460
	115	80/67	6.488	6.411	6.335	6.284	6.234	6.306	6.231	6.157	6.108	6.059	6.129	6.057	5.985	5.937	5.889
	115	80.6/62.6	5.963	5.893	5.823	5.776	5.730	5.796	5.728	5.660	5.615	5.570	5.634	5.567	5.501	5.457	5.414
	115	80.6/66.2	6.392	6.316	6.241	6.191	6.142	6.213	6.139	6.066	6.018	5.970	6.039	5.967	5.896	5.849	5.802
	115	84.2/66.2	6.392	6.316	6.241	6.191	6.142	6.213	6.139	6.066	6.018	5.970	6.039	5.967	5.896	5.849	5.802
	125	76/63	6.315	6.240	6.166	6.117	6.068	6.138	6.065	5.993	5.946	5.898	5.966	5.896	5.826	5.779	5.733
	125	80/67	6.807	6.726	6.647	6.593	6.541	6.617	6.538	6.461	6.409	6.358	6.431	6.355	6.280	6.229	6.180
	125	80.6/62.6	6.264	6.190	6.116	6.067	6.019	6.088	6.016	5.945	5.897	5.850	5.918	5.848	5.778	5.732	5.686
	125	80.6/66.2	6.711	6.632	6.553	6.501	6.449	6.523	6.446	6.370	6.319	6.268	6.341	6.266	6.191	6.142	6.093
	125	84.2/66.2	6.711	6.632	6.553	6.501	6.449	6.523	6.446	6.370	6.319	6.268	6.341	6.266	6.191	6.142	6.093

Fan Speed			High					Med					Low				
External Static Pressure in.wg			0	0.1	0.2	0.3	0.4	0	0.1	0.2	0.3	0.4	0	0.1	0.2	0.3	0.4
Model	Air On	Air On	EER														
	Condenser	Evaporator															
	(°F)	(°F)															
ESJ60	95	76/63	12.14	11.94	11.73	11.59	11.44	11.49	11.30	11.10	10.97	10.83	10.78	10.60	10.42	10.29	10.16
	95	80/67	12.08	11.88	11.67	11.53	11.38	11.43	11.24	11.04	10.91	10.77	10.73				

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Fan Speed			Hi					Med					Low				
External	Static Pressure in.wg		0	0.1	0.2	0.3	0.4	0	0.1	0.2	0.3	0.4	0	0.1	0.2	0.3	0.4
Model	Air On	Air On	Total Capacity BTUH														
	Condenser	Evaporator															
	(°F)	(°F)															
ESJ70	95	76/63	68586	66645	64704	63410	62116	63099	61314	59528	58337	57147	57547	55918	54289	53203	52118
	95	80/67	73587	71505	69422	68034	66645	67700	65784	63868	62591	61314	61743	59995	58248	57083	55918
	95	80.6/62.6	69301	67339	65378	64070	62763	63757	61952	60148	58945	57742	58146	56500	54855	53758	52661
	95	80.6/66.2	71444	69422	67400	66052	64704	65728	63868	62008	60768	59528	59944	58248	56551	55420	54289
	95	84.2/66.2	72158	70116	68074	66713	65351	66386	64507	62628	61376	60123	60544	58830	57117	55974	54832
	105	76/63	64414	62591	60768	59553	58337	59261	57584	55907	54788	53670	54046	52516	50987	49967	48947
	105	80/67	69111	67155	65199	63895	62591	63582	61783	59983	58783	57584	57987	56346	54705	53610	52516
	105	80.6/62.6	64928	63091	61253	60028	58803	59734	58043	56353	55226	54099	54477	52936	51394	50366	49338
	105	80.6/66.2	66784	64894	63004	61744	60484	61442	59703	57964	56804	55645	56035	54449	52863	51806	50748
	105	84.2/66.2	67455	65546	63637	62364	61092	62059	60302	58546	57375	56204	56598	54996	53394	52326	51258
	115	76/63	60242	58537	56832	55695	54559	55423	53854	52285	51240	50194	50545	49115	47684	46731	45777
	115	80/67	64635	62805	60976	59756	58537	59464	57781	56098	54976	53854	54231	52696	51161	50138	49115
	115	80.6/62.6	60556	58842	57128	55985	54843	55711	54134	52558	51507	50455	50809	49371	47933	46974	46015
	115	80.6/66.2	62124	60366	58608	57436	56264	57155	55537	53919	52841	51763	52125	50650	49174	48191	47207
	115	84.2/66.2	62752	60976	59200	58016	56832	57732	56098	54464	53375	52285	52651	51161	49671	48678	47684
	125	76/63	49574	48171	46768	45833	44897	45608	44317	43027	42166	41305	41595	40417	39240	38455	37671
	125	80/67	57732	56098	54464	53375	52285	53113	51610	50107	49105	48103	48439	47068	45697	44784	43870
	125	80.6/62.6	49009	47622	46235	45310	44386	45089	43812	42536	41686	40835	41121	39957	38793	38017	37241
	125	80.6/66.2	54594	53049	51504	50474	49444	50227	48805	47384	46436	45488	45807	44510	43214	42350	41485
	125	84.2/66.2	56477	54878	53280	52214	51149	51959	50488	49018	48037	47057	47386	46045	44704	43810	42916

Fan Speed			Hi					Med					Low				
External	Static Pressure in.wg		0	0.1	0.2	0.3	0.4	0	0.1	0.2	0.3	0.4	0	0.1	0.2	0.3	0.4
Model	Air On	Air On	Sensible Capacity BTUH														
	Condenser	Evaporator															
	(°F)	(°F)															
ESJ70	95	76/63	63147	61360	59573	58381	57190	58095	56451	54807	53711	52615	52983	51483	49984	48984	47984
	95	80/67	62888	61108	59328	58142	56955	57857	56220	54582	53490	52399	52766	51272	49779	48783	47788
	95	80.6/62.6	60722	59004	57285	56139	54994	55864	54283	52702	51648	50594	50948	49506	48064	47103	46142
	95	80.6/66.2	60679	58961	57244	56099	54954	55824	54244	52664	51611	50558	50912	49471	48030	47069	46109
	95	84.2/66.2	61285	59551	57816	56660	55504	56382	54787	53191	52127	51063	51421	49966	48510	47540	46570
	105	76/63	59787	58095	56403	55275	54147	55004	53447	51891	50853	49815	50164	48744	47324	46378	45431
	105	80/67	59360	57680	56000	54880	53760	54611	53066	51520	50490	49459	49805	48396	46986	46047	45107
	105	80.6/62.6	56555	54954	53353	52286	51219	52030	50558	49085	48103	47122	47452	46109	44766	43870	42975
	105	80.6/66.2	56202	54612	53021	51961	50900	51706	50243	48780	47804	46828	47156	45822	44487	43597	42707
	105	84.2/66.2	60136	58434	56732	55598	54463	55325	53759	52194	51150	50106	50457	49029	47601	46649	45697
	115	76/63	56427	54830	53233	52168	51104	51913	50444	48974	47995	47015	47345	46005	44665	43771	42878
	115	80/67	55832	54252	52672	51618	50565	51365	49912	48458	47489	46520	46845	45519	44194	43310	42426
	115	80.6/62.6	52387	50905	49422	48433	47445	48196	46832	45468	44559	43649	43955	42711	41467	40638	39808
	115	80.6/66.2	51726	50262	48799	47823	46847	47588	46241	44895	43997	43099	43401	42172	40944	40125	39306
	115	84.2/66.2	58987	57317	55648	54535	53422	54268	52732	51196	50172	49148	49492	48092	46691	45757	44823
	125	76/63	36783	35742	34701	34007	33313	33840	32882	31925	31286	30648	30862	29989	29115	28533	27951
	125	80/67	41561	40385	39208	38424	37640	38236	37154	36072	35350	34629	34871	33884	32897	32239	31581
	125	80.6/62.6	39200	38091	36982	36242	35502	36064	35044	34023	33343	32662	32891	31960	31029	30408	29788
	125	80.6/66.2	40696	39544	38392	37624	36856	37440	36380	35321	34614	33908	34145	33179	32213	31568	30924
	125	84.2/66.2	42267	41071	39875	39077	38280	38886	37786	36685	35951	35218	35464	34460	33457	32788	32118

Fan Speed			Hi					Med					Low				
External	Static Pressure in.wg		0	0.1	0.2	0.3	0.4	0	0.1	0.2	0.3	0.4	0	0.1	0.2	0.3	0.4
Model	Air On	Air On	Power Input (kW)														
	Condenser	Evaporator															
	(°F)	(°F)															
ESJ70	95	76/63	5.648	5.581	5.515	5.471	5.427	5.490	5.425	5.361	5.318	5.275	5.336	5.273	5.211	5.169	5.128
	95	80/67	6.093	6.020	5.949	5.901	5.854	5.922	5.852	5.782	5.736	5.690	5.756	5.688	5.620	5.575	5.531
	95	80.6/62.6	5.606	5.540	5.474	5.430	5.387	5.449	5.385	5.321	5.278	5.236	5.297	5.234	5.172	5.131	5.089
	95	80.6/66.2	6.003	5.931	5.861	5.814	5.768	5.834	5.765	5.697	5.651	5.606	5.671	5.604	5.537	5.493	5.449
	95	84.2/66.2	6.003	5.931	5.861	5.814	5.768	5.834	5.765	5.697	5.651	5.606	5.671	5.604	5.537	5.493	5.449
	105	76/63	6.261	6.187	6.114	6.065	6.016	6.086	6.014	5.942	5.895	5.848	5.918	5.845	5.776	5.730	5.684
	105	80/67	6.754	6.674	6.594	6.542	6.489	6.565	6.487	6.410	6.359	6.308	6.381	6.305	6.230	6.180	6.131
	105	80.6/62.6	6.211	6.137	6.065	6.016	5.968	6.037	5.966	5.895	5.848	5.801	5.868	5.799	5.730	5.684	5.638
	105	80.6/66.2	6.654	6.575	6.497	6.445	6.393	6.468	6.391	6.315	6.265	6.214	6.286	6.212	6.138	6.089	6.040
	105	84.2/66.2	6.654	6.575	6.497	6.445	6.393	6.468	6.391	6.315	6.265	6.214	6.286	6.212	6.138	6.089	6.040
	115	76/63	6.874	6.793	6.712	6.658	6.605	6.682	6.603	6.524	6.472	6.420	6.495	6.418	6.342	6.291	6.240
	115	80/67	7.415	7.327	7.240	7.182	7.125	7.207	7.122	7.037	6.981	6.925	7.005	6.922	6.840	6.786	6.731
	115	80.6/62.6	6.816	6.735	6.655	6.602	6.549	6.625	6.546	6.469	6.417	6.366	6.439	6.363	6.288	6.237	6.187
	115	80.6/66.2	7.305	7.219	7.133	7.076	7.019	7.101	7.016	6.933	6.878	6.823	6.902	6.820	6.739	6.685	6.632
	115	84.2/66.2	7.305	7.219	7.133	7.076	7.019	7.101	7.016	6.933	6.878	6.823	6.902	6.820	6.739	6.685	6.632
	125	76/63	7.218	7.132	7.047	6.991	6.935	7.015	6.932	6.850	6.795	6.741	6.819	6.738	6.658	6.605	6.552
	125	80/67	7.780	7.688	7.597	7.536	7.476	7.562	7.473	7.384	7.325	7.266	7.350	7.263	7.177	7.120	7.063
	125	80.6/62.6	7.159	7.074	6.990	6.934	6.879	6.959	6.876	6.795	6.740	6.686	6.764	6.684	6.604	6.552	6.499
	125	80.6/66.2	7.670	7.580	7.490	7.430	7.370	7.456	7.367	7.280	7.222	7.164	7.247	7.161	7.076	7.019	6.963
	125	84.2/66.2	7.670	7.580	7.490	7.430	7.370	7.456	7.367	7.280	7.222	7.164	7.247	7.161	7.076	7.019	6.963

Fan Speed			High					Med					Low				
External	Static Pressure in.wg		0	0.1	0.2	0.3	0.4	0	0.1	0.2	0.3	0.4	0	0.1	0.2	0.3	0.4
Model	Air On	Air On	EER														
	Condenser	Evaporator															
	(°F)	(°F)															
ESJ70	95	76/63	12.14	11.94	11.73	11.59	11.45	11.49	11.30	11.10	10.97	10.83	10.78	10.60	10.42	10.29	10.16
	95	80/67	12.08	11.88	11.67	11.53											

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Fan Speed			Hi					Med					Low				
External Static Pressure in wg			0	0.1	0.2	0.3	0.4	0	0.1	0.2	0.3	0.4	0	0.1	0.2	0.3	0.4
Model	Air On	Air On	Total Capacity BTUH														
	Condenser	Evaporator															
	(°F)	(°F)															
ESJ80	95	76/63	81408	79104	76800	75264	73728	74895	72776	70656	69243	67830	68305	66371	64438	63150	61861
	95	80/67	87344	84872	82400	80752	79104	80356	78082	75808	74292	72776	73285	71211	69137	67754	66371
	95	80.6/62.6	82256	79928	77600	76048	74496	75676	73534	71392	69964	68536	69016	67063	65110	63807	62505
	95	80.6/66.2	84800	82400	80000	78400	76800	78016	75808	73600	72128	70656	71151	69137	67123	65781	64438
	95	84.2/66.2	85648	83224	80800	79184	77568	78796	76566	74336	72849	71363	71862	69828	67794	66439	65083
	105	76/63	77338	75149	72960	71501	70042	71151	69137	67123	65781	64438	64889	63053	61216	59992	58768
	105	80/67	82977	80628	78280	76714	75149	76339	74178	72018	70577	69137	69621	67650	65680	64366	63053
	105	80.6/62.6	77952	75746	73540	72069	70598	71716	69687	67657	66304	64951	65405	63554	61703	60469	59235
	105	80.6/66.2	80178	77909	75640	74127	72614	73764	71676	69589	68197	66805	67273	65369	63465	62196	60926
	105	84.2/66.2	80984	78692	76400	74872	73344	74505	72397	70288	68882	67476	67949	66026	64103	62821	61539
	115	76/63	73267	71194	69120	67738	66355	67406	65498	63590	62199	61047	61474	59734	57994	56835	55675
	115	80/67	78610	76385	74160	72677	71194	72321	70274	68227	66863	65498	65957	64090	62223	60979	59734
	115	80.6/62.6	73649	71564	69480	68090	66701	67757	65839	63922	62643	61365	61794	60045	58296	57131	55965
	115	80.6/66.2	75557	73418	71280	69854	68429	69512	67545	65578	64266	62954	63395	61601	59807	58611	57415
	115	84.2/66.2	76320	74160	72000	70560	69120	70214	68227	66240	64915	63590	64036	62223	60411	59203	57994
	125	76/63	60293	58586	56880	55742	54605	55469	53899	52330	51283	50236	50588	49156	47725	46770	45816
	125	80/67	70214	68227	66240	64915	63590	64597	62769	60941	59722	58503	58913	57245	55578	54466	53355
	125	80.6/62.6	59606	57919	56232	55107	53983	54837	53285	51733	50699	49664	50012	48596	47181	46237	45294
125	80.6/66.2	66398	64519	62640	61387	60134	61087	59358	57629	56476	55324	55711	54134	52557	51506	50455	
125	84.2/66.2	68688	66744	64800	63504	62208	63193	61404	59616	58424	57231	57632	56001	54370	53282	52195	

Fan Speed			Hi					Med					Low				
External Static Pressure in wg			0	0.1	0.2	0.3	0.4	0	0.1	0.2	0.3	0.4	0	0.1	0.2	0.3	0.4
Model	Air On	Air On	Sensible Capacity BTUH														
	Condenser	Evaporator															
	(°F)	(°F)															
ESJ80	95	76/63	74952	72831	70709	69295	67881	68956	67004	65053	63752	62451	62888	61108	59328	58141	56955
	95	80/67	74645	72532	70419	69011	67603	68673	66729	64786	63490	62194	62630	60857	59085	57903	56721
	95	80.6/62.6	72074	70034	67994	66634	65274	66308	64431	62555	61303	60052	60473	58761	57050	55909	54768
	95	80.6/66.2	72022	69984	67945	66586	65227	66260	64385	62510	61259	60009	60429	58719	57009	55869	54728
	95	84.2/66.2	72742	70683	68625	67252	65880	66923	65029	63135	61872	60609	61034	59306	57579	56427	55276
	105	76/63	71790	69758	67726	66372	65017	66047	64177	62308	61062	59816	60234	58530	56825	55688	54552
	105	80/67	71274	69257	67240	65895	64550	65572	63716	61861	60623	59386	59802	58109	56417	55289	54160
	105	80.6/62.6	67894	65927	64051	62770	61489	62462	60695	58927	57748	56570	56966	55353	53741	52666	51592
	105	80.6/66.2	67466	65557	63647	62374	61102	62069	60312	58556	57385	56213	56607	55005	53403	52335	51267
	105	84.2/66.2	72241	70197	68152	66789	65426	66462	64581	62700	61446	60192	60613	58898	57183	56039	54895
	115	76/63	68628	66685	64743	63448	62153	63137	61350	59563	58372	57181	57581	55952	54322	53235	52149
	115	80/67	67904	65982	64060	62779	61498	62471	60703	58935	57757	56578	56974	55362	53749	52674	51599
	115	80.6/62.6	63714	61911	60108	58906	57703	58617	56958	55299	54193	53087	53459	51946	50433	49424	48415
	115	80.6/66.2	62911	61130	59350	58163	56976	57878	56240	54602	53510	52418	52784	51291	49797	48801	47805
	115	84.2/66.2	71741	69710	67680	66326	64973	66002	64134	62266	61020	59775	60193	58490	56786	55651	54515
	125	76/63	44736	43469	42203	41359	40515	41157	39992	38827	38051	37274	37535	36473	35410	34702	33994
	125	80/67	50547	49116	47686	46732	45778	46503	45187	43871	42993	42116	42411	41211	40010	39210	38410
	125	80.6/62.6	47676	46327	44978	44078	43178	43862	42621	41379	40552	39724	40002	38870	37738	36983	36228
125	80.6/66.2	49495	48094	46693	45759	44825	45535	44246	42958	42099	41239	41528	40353	39177	38394	37610	
125	84.2/66.2	51406	49951	48497	47527	46557	47294	45955	44617	43725	42832	43132	41911	40691	39877	39063	

Fan Speed			Hi					Med					Low				
External Static Pressure in wg			0	0.1	0.2	0.3	0.4	0	0.1	0.2	0.3	0.4	0	0.1	0.2	0.3	0.4
Model	Air On	Air On	Power Input (kW)														
	Condenser	Evaporator															
	(°F)	(°F)															
ESJ80	95	76/63	6.534	6.457	6.380	6.329	6.278	6.351	6.276	6.201	6.152	6.103	6.173	6.100	6.028	5.979	5.932
	95	80/67	7.048	6.964	6.882	6.827	6.772	6.851	6.769	6.689	6.636	6.582	6.659	6.580	6.502	6.450	6.398
	95	80.6/62.6	6.485	6.409	6.333	6.282	6.232	6.304	6.229	6.155	6.106	6.057	6.127	6.055	5.983	5.935	5.888
	95	80.6/66.2	6.944	6.861	6.780	6.726	6.672	6.749	6.669	6.590	6.537	6.485	6.560	6.483	6.406	6.354	6.304
	95	84.2/66.2	6.944	6.861	6.780	6.726	6.672	6.749	6.669	6.590	6.537	6.485	6.560	6.483	6.406	6.354	6.304
	105	76/63	7.397	7.309	7.223	7.165	7.108	7.190	7.105	7.020	6.964	6.909	6.989	6.906	6.824	6.769	6.715
	105	80/67	7.979	7.884	7.791	7.728	7.666	7.755	7.663	7.572	7.512	7.452	7.538	7.449	7.360	7.302	7.243
	105	80.6/62.6	7.338	7.251	7.165	7.107	7.050	7.132	7.048	6.964	6.908	6.853	6.932	6.850	6.769	6.715	6.661
	105	80.6/66.2	7.861	7.768	7.676	7.614	7.553	7.641	7.550	7.461	7.401	7.342	7.427	7.339	7.252	7.194	7.136
	105	84.2/66.2	7.861	7.768	7.676	7.614	7.553	7.641	7.550	7.461	7.401	7.342	7.427	7.339	7.252	7.194	7.136
	115	76/63	8.260	8.162	8.065	8.001	7.937	8.029	7.934	7.839	7.777	7.715	7.804	7.711	7.620	7.559	7.499
	115	80/67	8.910	8.804	8.700	8.630	8.561	8.660	8.557	8.456	8.388	8.321	8.418	8.318	8.219	8.153	8.088
	115	80.6/62.6	8.190	8.093	7.997	7.933	7.869	7.961	7.866	7.773	7.711	7.649	7.738	7.646	7.555	7.495	7.435
	115	80.6/66.2	8.778	8.674	8.571	8.502	8.434	8.532	8.431	8.331	8.264	8.198	8.293	8.195	8.098	8.033	7.969
	115	84.2/66.2	8.778	8.674	8.571	8.502	8.434	8.532	8.431	8.331	8.264	8.198	8.293	8.195	8.098	8.033	7.969
	125	76/63	8.673	8.570	8.468	8.400	8.333	8.430	8.330	8.231	8.165	8.100	8.194	8.097	8.001	7.937	7.873
	125	80/67	9.349	9.238	9.128	9.055	8.983	9.087	8.979	8.873	8.802	8.731	8.832	8.728	8.624	8.555	8.487
	125	80.6/62.6	8.602	8.500	8.400	8.332	8.266	8.362	8.262	8.164	8.099	8.034	8.127	8.031	7.936	7.872	7.809
125	80.6/66.2	9.217	9.108	9.000	8.928	8.856	8.959	8.853	8.748	8.678	8.608	8.708	8.605	8.503	8.435	8.367	
125	84.2/66.2	9.217	9.108	9.000	8.928	8.856	8.959	8.853	8.748	8.678	8.608	8.708	8.605	8.503	8.435	8.367	

Fan Speed			High					Med					Low				
External Static Pressure in wg			0	0.1	0.2	0.3	0.4	0	0.1	0.2	0.3	0.4	0	0.1	0.2	0.3	0.4
Model	Air On	Air On	EER														
	Condenser	Evaporator															
	(°F)	(°F)															
ESJ80	95	76/63	12.46	12.25	12.04	11.89	11.74	11.79	11.60	11.39	11.26	11.12	11.06	10.88	10.69	10.56	10.43
	95	80/67	12.39	12.19	11.97	11.83	11.68	11.73	11.53	11.33	11.20	11.06	11.01	10.			

EVEREST SERIES DUCTED SPLIT PRODUCT DATA BOOK

AIR FLOW CHART

CFM

Model	Speed	Air flow (CFM)				
		External Static pressure (Pa)				
		0	25	50	75	100
EDJ18	High	685	647	617	NA	NA
	Med	646	598	530	NA	NA
	Low	540	509	476	NA	NA
EDJ24	High	875	821	778	NA	NA
	Med	796	746	697	NA	NA
	Low	708	668	624	NA	NA
ESJ30	High	1136	1092	1050	1008	968
	Med	1045	1005	966	927	890
	Low	961	924	889	853	819
ESJ36	High	1352	1300	1250	1200	1152
	Med	1244	1196	1150	1104	1060
	Low	1144	1100	1058	1016	975
ESJ42	High	1622	1560	1500	1440	1382
	Med	1498	1440	1385	1330	1276
	Low	1363	1311	1260	1210	1162
ESJ48	High	1893	1820	1750	1680	1613
	Med	1731	1664	1600	1536	1475
	Low	1575	1514	1456	1398	1342
ESJ60	High	2302	2173	2049	1886	1734
	Med	2083	1881	1723	1662	1581
	Low	1615	1563	1489	1397	1301
ESJ70	High	2697	2545	2400	2210	2031
	Med	2440	2203	2018	1947	1852
	Low	1892	1830	1744	1637	1524
ESJ80	High	3034	2864	2700	2486	2285
	Med	2745	2478	2271	2190	2083
	Low	2129	2059	1962	1842	1714

CMH

Model	Speed	Air flow (CMH)				
		External Static pressure (Pa)				
		0	25	50	75	100
EDJ18	High	1165	1100	1049	NA	NA
	Med	1098	1017	901	NA	NA
	Low	918	865	809	NA	NA
EDJ24	High	1488	1395	1323	NA	NA
	Med	1353	1268	1184	NA	NA
	Low	1204	1136	1062	NA	NA
ESJ30	High	1931	1856	1785	1714	1645
	Med	1776	1708	1642	1577	1513
	Low	1634	1571	1511	1450	1392
ESJ36	High	2298	2210	2125	2040	1958
	Med	2115	2033	1955	1877	1802
	Low	1945	1871	1799	1727	1658
ESJ42	High	2758	2652	2550	2448	2350
	Med	2547	2449	2355	2260	2170
	Low	2317	2228	2143	2057	1975
ESJ48	High	3218	3094	2975	2856	2742
	Med	2942	2829	2720	2611	2507
	Low	2677	2574	2475	2376	2281
ESJ60	High	3913	3694	3483	3207	2947
	Med	3541	3197	2929	2825	2687
	Low	2746	2656	2531	2376	2212
ESJ70	High	4584	4327	4080	3757	3452
	Med	4148	3745	3431	3310	3148
	Low	3216	3112	2965	2783	2591
ESJ80	High	5157	4868	4590	4226	3884
	Med	4667	4213	3860	3723	3541
	Low	3619	3501	3336	3131	2914

PIPE SELECTION CHART - SUCTION

R410A, 50 Hz

Suction line Pipe selection chart

Unit Size	Pipe Size	Equivalent Pipe length (m) - Vertical + Horizontal									
		7.5	10	15	20	25	30	35	40	45	50
18K	1/2"*	1/2"	1/2"	1/2"	1/2"	1/2"	--				
24K	5/8"*	5/8"	5/8"	5/8"	5/8"	5/8"	--				
30K	5/8"*	5/8"	5/8"	5/8"	5/8"	5/8"	--				
36K	5/8"*	5/8"	5/8"	5/8"	5/8"	5/8"	5/8"	--			
42K	3/4"*	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	--		
	7/8"	--							7/8"	7/8"	7/8"
48K	3/4"*	3/4"	3/4"	3/4"	3/4"	3/4"	--				
	7/8"	--					7/8"	7/8"	7/8"	7/8"	7/8"
60K	3/4"*	3/4"	3/4"	3/4"	--						
	7/8"	--			7/8"	7/8"	7/8"	7/8"	7/8"	7/8"	7/8"
70K	3/4"*	3/4"	3/4"	3/4"	--						
	7/8"	--			7/8"	7/8"	7/8"	7/8"	7/8"	7/8"	7/8"
80K	7/8"*	7/8"	7/8"	7/8"	--						
	1 1/8"	--			1 1/8"	1 1/8"	1 1/8"	1 1/8"	1 1/8"	1 1/8"	1 1/8"

*Standard pipe size.

R410A, 50 Hz

Capacity loss multiplier

Unit Size	Pipe Size	Equivalent Pipe length (m) - Vertical + Horizontal									
		7.5	10	15	20	25	30	35	40	45	50
18K	1/2"*	0	0.994	0.988	0.983	0.978	--				
24K	5/8"*	0	0.994	0.988	0.983	0.978	--				
30K	5/8"*	0	0.992	0.986	0.981	0.976	--				
36K	5/8"*	0	0.991	0.988	0.983	0.978	0.973	--			
42K	3/4"*	0	0.989	0.982	0.977	0.972	0.967	0.963	--		
	7/8"	--						0.967	0.953	0.943	
48K	3/4"*	0	0.987	0.980	0.975	0.970	0.965	0.970	--		
	7/8"	--					0.962	0.939	0.933		
60K	3/4"*	0	0.985	0.978	--						
	7/8"	--			0.973	0.968	0.963	0.968	0.959	0.926	0.923
70K	3/4"*	0	0.983	0.976	--						
	7/8"	--			0.971	0.966	0.961	0.966	0.957	0.924	0.922
80K	7/8"*	0	0.981	0.974	--						
	1 1/8"	--			0.969	0.964	0.959	0.964	0.955	0.922	0.920

General Notes:

- 1) The above chart is applicable for Rotary/Scroll compressors
- 2) For Scroll compressor the max elevation allowed is 30 meters and the total Equivalent length of piping is to be limited to 50 meters
- 3) When the Outdoor unit is located above indoor unit, install a suction riser every 5 meters
- 4) The capacity derating as per the performance chart applicable at various ambient temperatures
- 5) The total length exceed more than 20 mts the following components to be installed at site
 - 5.1) hard start kit (start capacitor and relay) must be installed on outdoor unit
 - 5.2) Crankcase heater must be installed on compressor

PIPE SELECTION CHART - LIQUID

R410A, 50 Hz

Liquid line Pipe selection

Model	Pipe Size	Equivalent Pipe length (m) - Vertical + Horizontal									
		7.5	10	15	20	25	30	35	40	45	50
18K	1/4"*	1/4"	1/4"	1/4"	1/4"	3/8"	--				
24K	1/4"*	1/4"	1/4"	1/4"	1/4"	3/8"	--				
30K	3/8"*	3/8"	3/8"	3/8"	3/8"	3/8"	--				
36K	3/8"*	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	--			
42K	3/8"*	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"
48K	1/2"*	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"
60K	1/2"*	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"
70K	1/2"*	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"
80K	1/2"*	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"

*Standard pipe size.

General Notes:

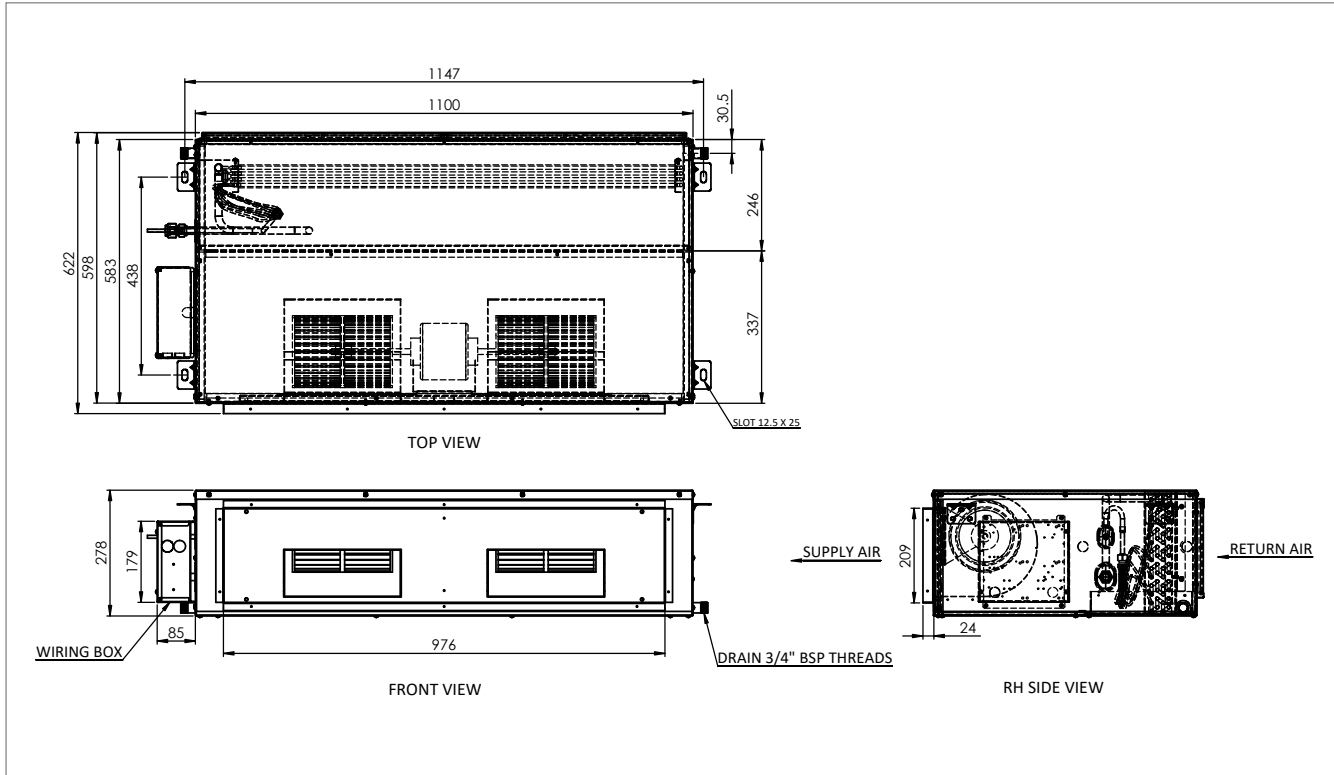
- 1) The above chart is applicable for Rotary/Scroll compressors
- 2) For rotary compressor refer below table
- 3) For Scroll compressor the max elevation allowed is 30 meters and the total Equivalent length of piping is to be limited to 50 meters
- 4) Outdoor units are factory charged with Refrigerant (R410A) for standard pipe length of 5 meter only.

Pipe Length for Models With Rotary Compressor		
Unit Size	18/24/30K	36K
Max. Length	25 meter	30 meter
Max. Elevation	15 meter	20 meter

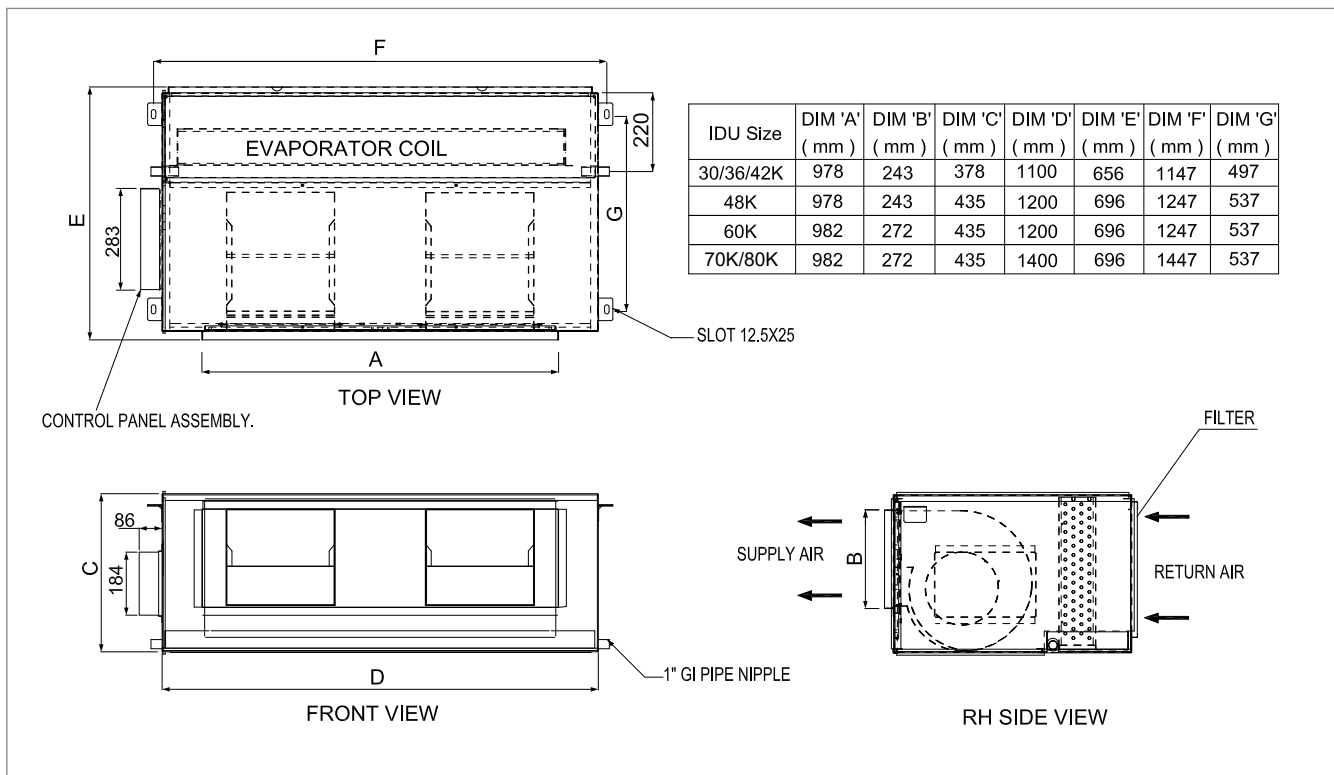
Extra Refrigerant Charging	
R410a	
Liquid line size	Charge(gm/m)
1/4"	20
3/8"	25
1/2"	30

GENERAL ARRANGEMENT DRAWINGS - INDOOR

Indoor - 18K & 24K

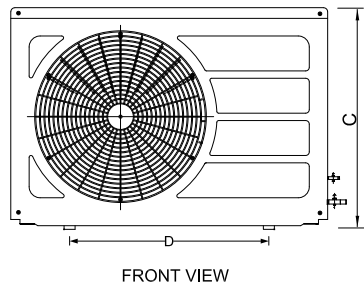
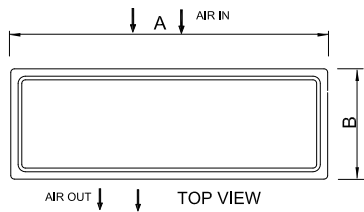


Indoor - 30K, 36K, 42K, 48K, 60K, 70K & 80K



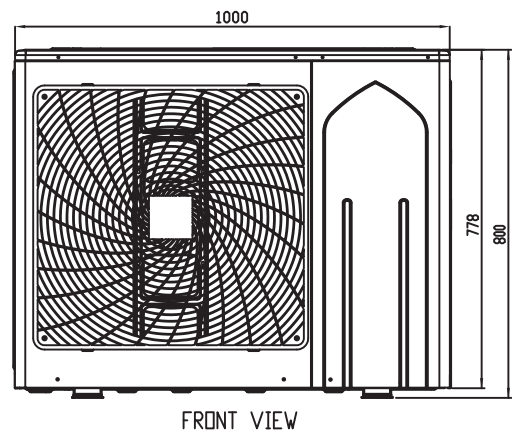
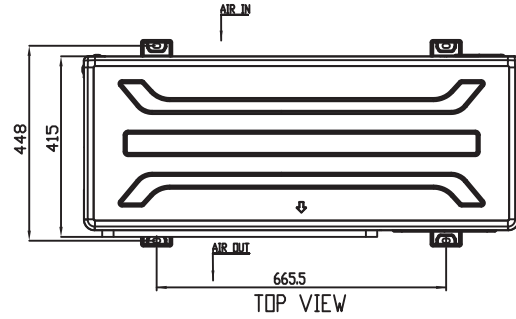
GENERAL ARRANGEMENT DRAWINGS - OUTDOOR

Outdoor - 18K

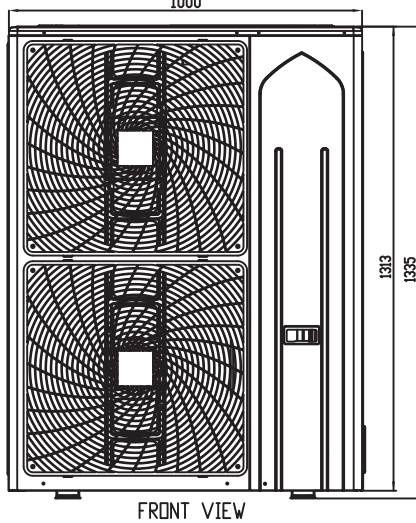
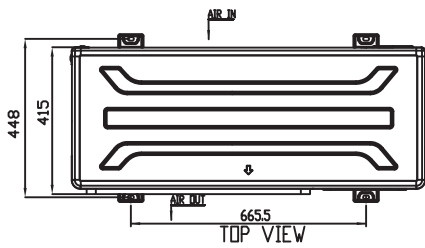


MODEL	DIM 'A' (mm)	DIM 'B' (mm)	DIM 'C' (mm)	DIM 'D' (mm)
18K	870	320	650	550

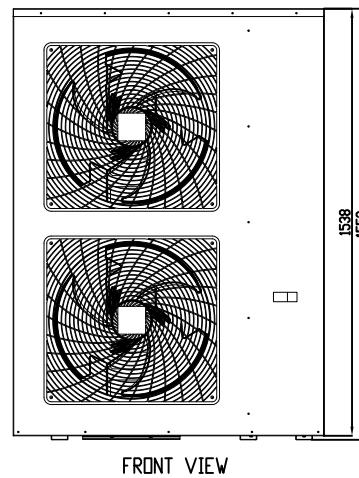
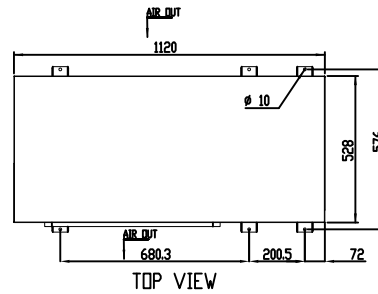
Outdoor - 24K, 30K & 36K



Outdoor - 42K, 48K, 60K & 70K

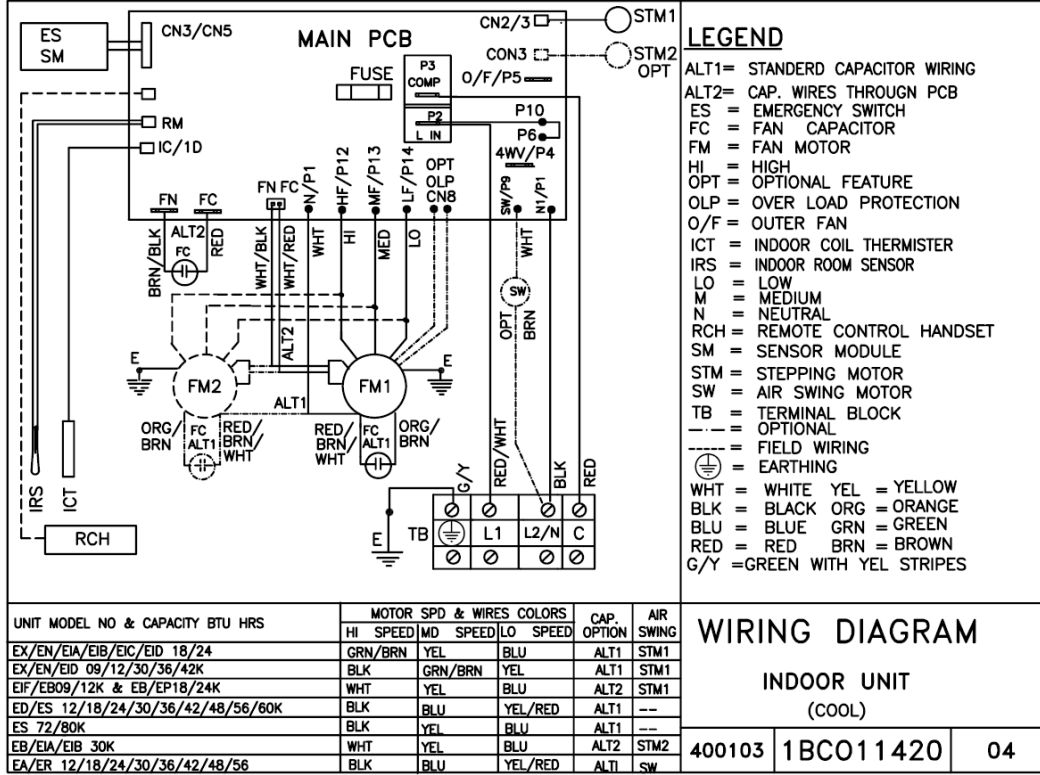


Outdoor - 80K

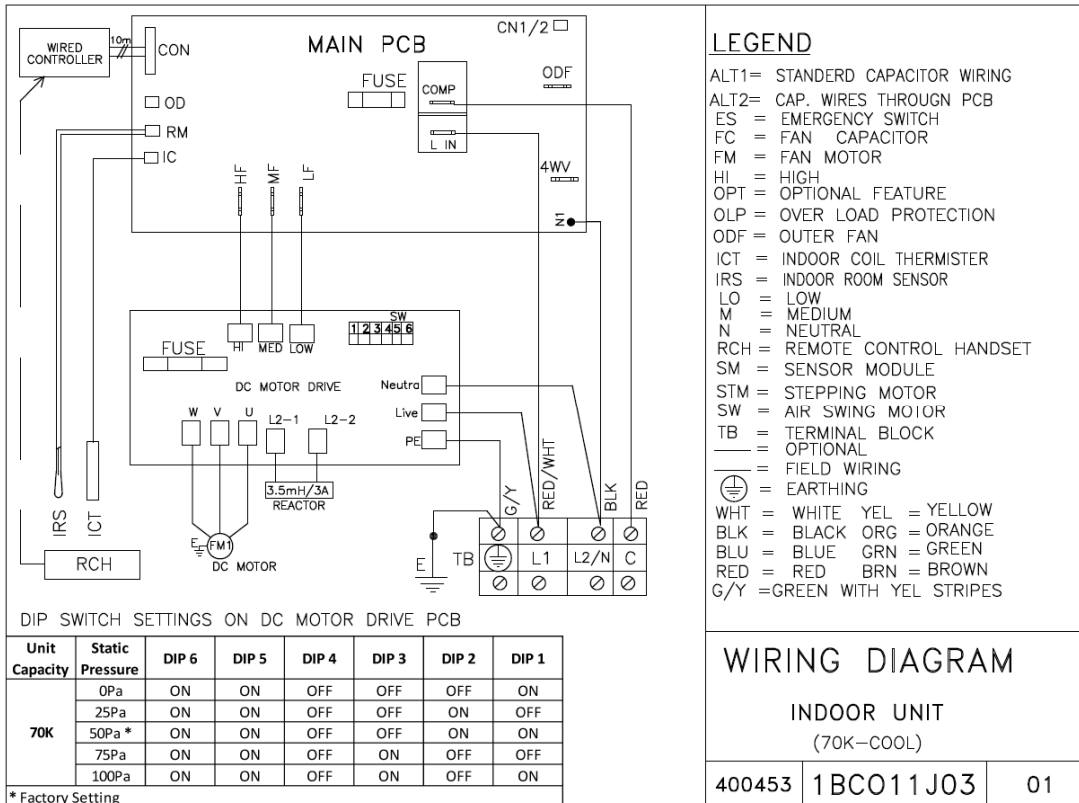


WIRING DIAGRAM - INDOOR

Indoor - 18K, 24K, 30K, 36K, 42K, 48K & 60K

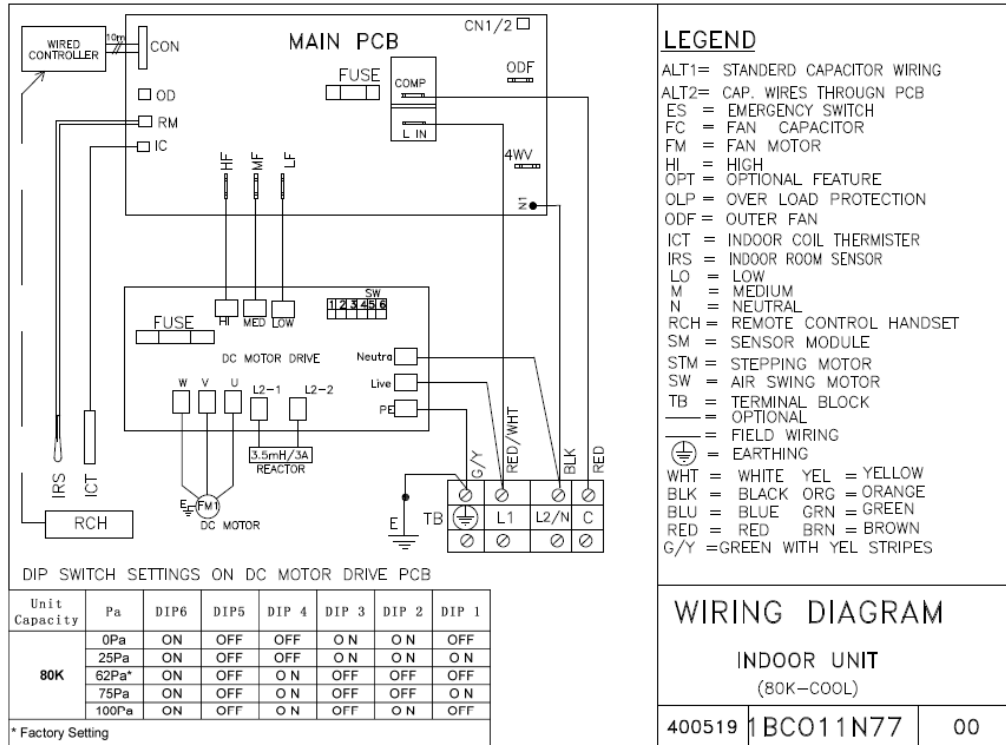


Indoor - 70K



WIRING DIAGRAM - INDOOR

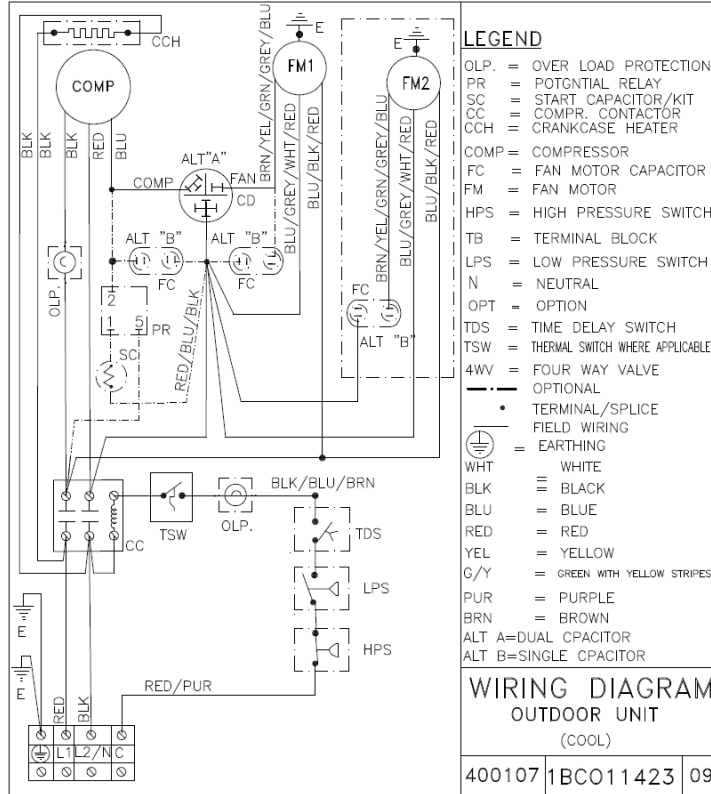
Indoor - 80K



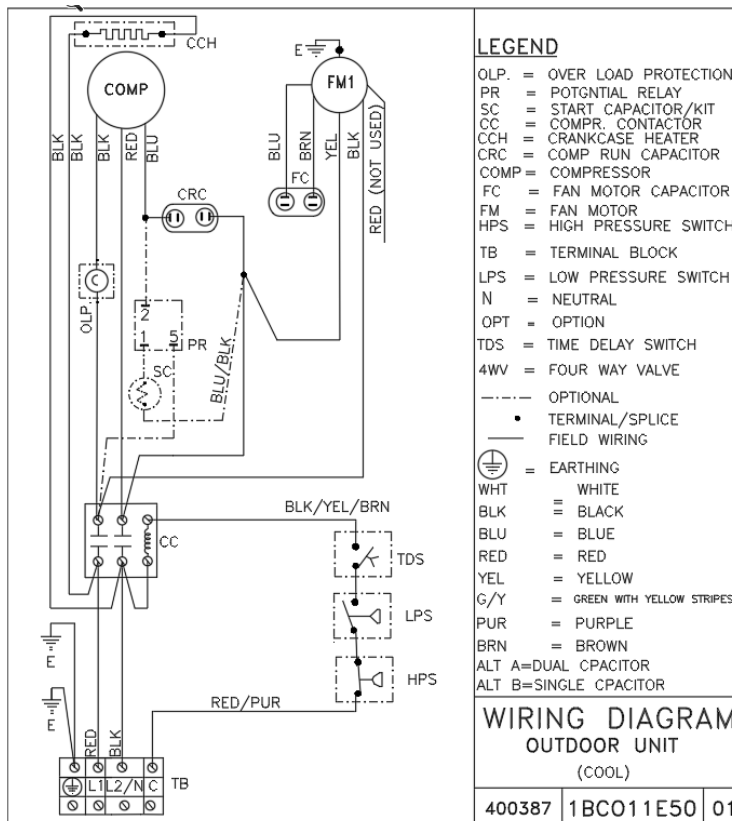
EVEREST SERIES DUCTED SPLIT PRODUCT DATA BOOK

WIRING DIAGRAM - OUTDOOR

Outdoor - 18K

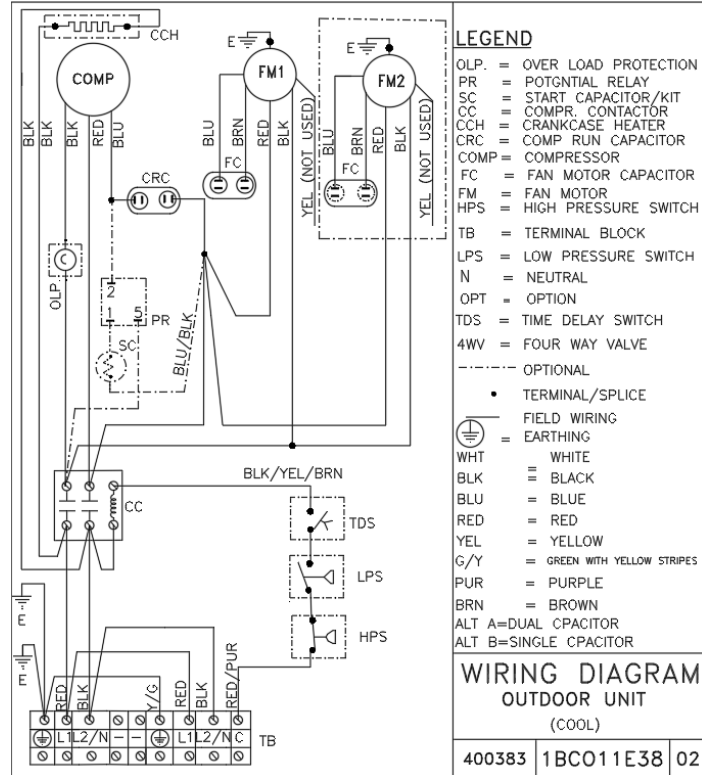


Outdoor - 24K

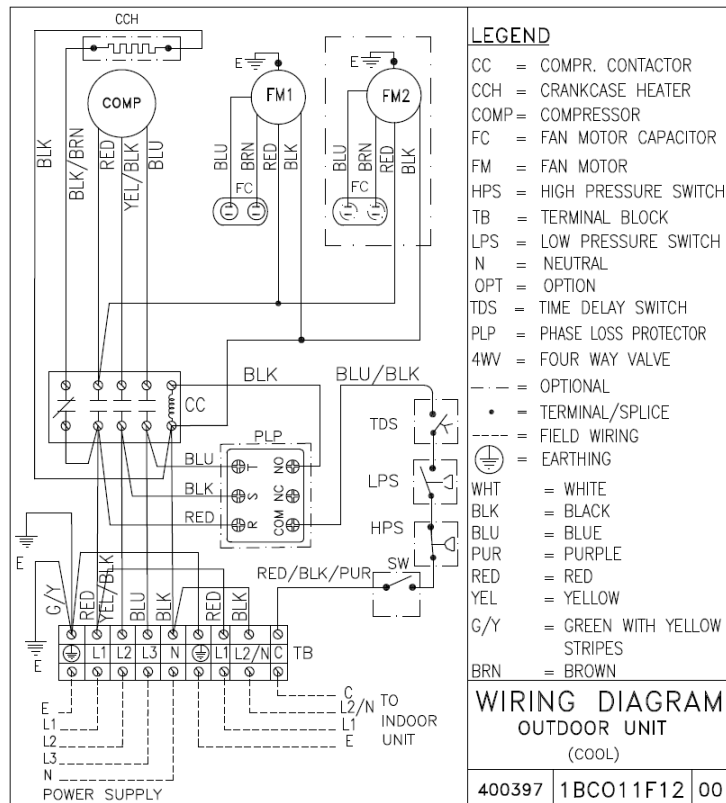


WIRING DIAGRAM - OUTDOOR

Outdoor - 30K - 36K

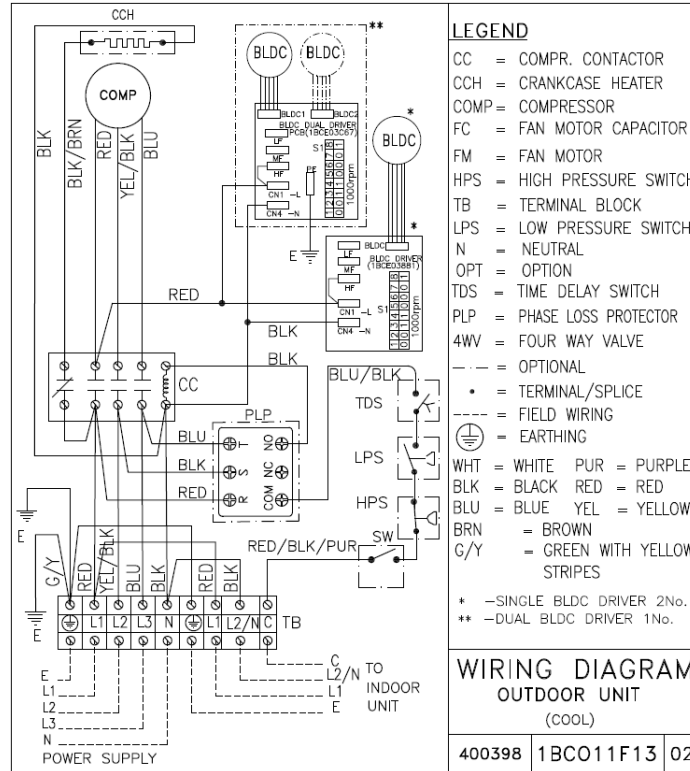


Outdoor - 42K - 48K - 60K - 80K



WIRING DIAGRAM - OUTDOOR

Outdoor - 70K





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04/09/2022

* Certification varies from one product to another



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