EDC/ESC

ESMA
HIEER SERIES

PRODUCT CATALOGUE

CONTENTS

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.

Herein lies the reason for the choice of only the highest quality components and design strategies to meet the most important objectives such as:

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

CONCEALED DUCTABLE SPLIT SYSTEM
CAPACITY 18,000 – 60,000 BTU/HR

Salient Features

SALIENT FEATURES: INDOOR SPLIT UNITS

The EDC & ESC series 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.

The EDC & ESC series units are Leak tested by electronic machines, piped, internally wired and having holding charge of refrigerant R410A.

These EDC & ESC units (1.5TR - 5TR capacities) are available in 220 ~ 240 Volts / 1 Phase / 50 Hz power supply with 240 volts control circuit as standard.

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 EDC & ESC units are designed with advanced refrigerant circuitry keeping in mind for the minimum pressure drop for best output.

EDC / ESC units are insulated through 5mm insulation & evaporator is fully covered with drain pan. These EDC & ESC units are completely factory wired with single point power input provided with knockouts for utility, main power supply and control connections.

The EDC & ESC units are fitted with 3mm washable filters to restrict dust particles to enter inside the indoor unit as well as the cooling space. Automatically Dehumidifies the room efficiently without lowering the required temperature.

The EDC & ESC units are provided wired controller with LCD display & also having LCD remote hand set.

The EDC / ESC (18 / 24 / 30 / 36 / 42K) units are with high efficient DC motor & ESC (48 / 60K) models have permanent split capacitor motor (PSC) having compact design, consist of inbuilt permanently lubricated bearing & inbuilt thermal overload protector (OLP).

EDC / ESC units (30 / 36 / 42K) provide with double inlet plastic blower & EDC/ESC units (18/24/48/60k) are provided with double inlet metal blower.

SALIENT FEATURES: OUTDOOR SPLIT UNITS

The outdoor units are the new range of Outdoor split units, suitable for side and up flow installation on the roof or on the ground.

The outdoor split models are available in different voltage with 220 ~ 240 volts single phase & 380 ~ 420 volts 3 phase.
These Outdoor 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 (Mentioned in technical specifications).

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 (above 30K) 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.
The units are equipped with Efficient and dependable metering of the refrigerant is provided by Capillary Tube, a device which improves overall system reliability and is easily accessible for routine maintenance.

Easy accessible control box.

Higher capacity units (above 36K) 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.

These 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 K) motors are provided with inbuilt permanent lubricated bearing & inbuilt thermal overload protector (OLP) 48/60K unit provided with DC motor.

UNIT SPECIFICATIONS

ENGINEERING SPECIFICATIONS: INDOOR & OUTDOOR

Models - Ducted with Side Discharge Condenser				Indoor Unit	EDC			ESC			
					18	24	30	36	42	48	60
				Outdoor Unit	CST			CSS			
					18	24	30	36	42	48	60
Nominal Capacities			Cooling @ 35°C	Btu/h	18,000	23,200	29,500	34,700	41,250	46,400	54,000
Power Consumption				Watts	1550	1950	2450	3015	3570	4030	4610
Running Current				Amps	6.85	8.62	10.83	13.32	5.84	6.59	7.54
EER				Btu/hr/W	11.613	11.897	12.041	11.509	11.555	11.514	11.714
Nominal Capacities			Cooling @ 46°C	Btu/h	16,100	20,000	25,925	31,500	37,800	41,500	48,500
Power Consumption				Watts	1920	2300	2795	3780	4400	4950	5650
Running Current				Amps	8.48	10.16	12.35	16.70	7.19	8.09	9.24
EER				Btu/hr/W	8.385	8.696	9.275	8.333	8.591	8.384	8.584
Refrigerant Type					R-410A						
Indoor Unit	Power Supply			V/Ph/Hz	230/1/50						
	Fan	Fan Type			Double inlet Double width						
		Air flow Rate		m3/h	995	1325	1655	1985	2320	2650	3315
		Input Power		W	80	100	155	165	180	450	500
		Fan Motor Protection			Auto Reset Thermal Overload						
		Sound Pressure (H/M/L)		dBA	46/42/39	47/43/41	49/44/42	50/48/46	52/49/47	53/51/48	55/51/49
	Coil	Tube	Material		Inner Groove Copper Tube						
			Diameter	mm	7.94	7.94	7.94	7.94	7.94	9.52	9.52
		Fin	Material		Aluminum						
			No. of Rows		3	3	4	4	4	4	4
			Fin per inch		17	17	17	17	17	17	17
	Coil Area			Sqm	0.28	0.28	0.41	0.41	0.41	0.54	0.54
	Unit Dimensions	Height		mm	260	260	307	307	307	441	441
		Width			1,190	1,190	1,279	1,279	1,279	1,536	1,536
		Depth			643	643	830	830	830	867	867
	Net Weight			kg	32	32	47	47	49	76	76
	System Operation Control				Wired controller with remote						
	Condensate Drainage (O.D.)			mm	25						
	Air Filter				Synthetic, Washable						
Outdoor Unit	Power Supply			V/Ph/Hz	230/1/50			400/3/50			
	Air Discharge			Type	Side						
	Compressor	Quantity			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
		Fan / Type Drive			Propeller/Direct Drive						
		Fan Speed		rpm	900	870	870	870	870	870	850
		Blade Material			Plastic						
	Coil	Type	Construction		Fin Tube construction						
		Material	Tube		Inner groove copper tube						
			Fin		Aluminum						
		Rows deep		Nos	3	3	3	3	3	3	3
	Coil Area			Sqm	0.49	0.76	0.76	0.76	1.29	1.29	1.29
	Dimensions	Height		mm	650	790	790	790	1320	1320	1320
		Width			870	1000	1000	1000	1000	1000	1000
		Depth			320	415	415	415	415	415	415
	Weight			kg	61	68	70	71	107	111	116
	Piping	Type			Flare + Nuts						
		Pipe Size	Suction	inch	1/2	5/8	5/8	5/8	3/4	3/4	3/4
			Liquid		1/4	1/4	3/8	3/8	3/8	1/2	1/2
Laodability		Container Size		20	52	34	28	28	22	14	14
				40 FT	104	72	60	60	44	30	30
				40 HC	120	86	70	70	48	39	39

- 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 continous research and product development
- Noise test data is @ 1 meters distance, as per factory test standard

DUCTED SPLIT UNITS (COOL) - QUICK SELECTION CHART - R410A - 50HZ

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 Condenser (°F)	Air On Evaporator (°F)	Total Capacity BTUH								
EDC 18	95	76/63	16556	16074	15753	15232	14788	14492	14013	13605	13333
	95	80/67	18837	18288	17922	17330	16825	16488	15943	15479	15169
	95	80.6/62.6	17613	17100	16758	16204	15732	15417	14908	14473	14184
	95	80.6/66.2	18540	18000	17640	17057	16560	16229	15692	15235	14930
	95	84.2/66.2	18725	18180	17816	17227	16726	16391	15849	15388	15080
	105	76/63	15646	15190	14886	14394	13975	13695	13242	12857	12600
	105	80/67	17989	17465	17116	16550	16068	15746	15226	14782	14487
	105	80.6/62.6	16644	16160	15836	15313	14867	14569	14088	13677	13404
	105	80.6/66.2	17474	16965	16626	16076	15608	15296	14790	14359	14072
	105	84.2/66.2	17654	17140	16797	16242	15769	15453	14943	14507	14217
	115	76/63	14735	14306	14020	13556	13161	12898	12472	12108	11866
	115	80/67	17141	16642	16309	15770	15311	15004	14508	14086	13804
	115	80.6/62.6	15676	15219	14915	14422	14001	13721	13268	12881	12624
	115	80.6/66.2	16408	15930	15611	15095	14656	14362	13888	13483	13213
	115	84.2/66.2	16583	16100	15778	15256	14812	14516	14036	13627	13354
	125	76/63	13079	12698	12444	12033	11683	11449	11070	10748	10533
	125	80/67	15295	14850	14553	14072	13662	13389	12946	12569	12318
	125	80.6/62.6	13756	13355	13088	12655	12287	12041	11643	11304	11078
	125	80.6/66.2	14461	14040	13759	13304	12917	12658	12240	11883	11646
	125	84.2/66.2	14980	14544	14253	13782	13380	13113	12679	12310	12064

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 Condenser (°F)	Air On Evaporator (°F)	Sensible Capacity BTUH								
EDC 18	95	76/63	14735	14306	14020	13556	13161	12898	12472	12108	11866
	95	80/67	15678	15221	14917	14423	14003	13723	13270	12883	12625
	95	80.6/62.6	14971	14484	14244	13773	13325	13105	12671	12259	12056
	95	80.6/66.2	15221	14778	14482	14004	13596	13324	12883	12508	12258
	95	84.2/66.2	15374	14926	14627	14144	13732	13457	13012	12633	12381
	105	76/63	12470	12106	11864	11472	11138	10915	10554	10247	10042
	105	80/67	17296	16793	16457	15913	15449	15140	14640	14213	13929
	105	80.6/62.6	15979	15513	15203	14700	14272	13987	13524	13130	12868
	105	80.6/66.2	16985	16490	16160	15626	15171	14867	14376	13957	13678
	105	84.2/66.2	17160	16660	16327	15787	15327	15021	14524	14101	13819
	115	76/63	13114	12732	12478	12065	11714	11479	11100	10777	10561
	115	80/67	15924	15460	15151	14650	14224	13939	13478	13086	12824
	115	80.6/62.6	12885	12510	12260	11854	11509	11279	10906	10588	10377
	115	80.6/66.2	14521	14098	13816	13359	12970	12711	12291	11933	11694
	115	84.2/66.2	14811	14380	14092	13626	13229	12965	12536	12171	11928
	125	76/63	9221	8952	8773	8483	8236	8071	7805	7577	7426
	125	80/67	11854	11509	11278	10906	10588	10376	10033	9741	9546
	125	80.6/62.6	10454	10150	9947	9618	9338	9151	8849	8591	8419
	125	80.6/66.2	11424	11092	10870	10510	10204	10000	9670	9388	9200
	125	84.2/66.2	11984	11635	11402	11026	10704	10490	10143	9848	9651

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 Condenser (°F)	Air On Evaporator (°F)	Power Input (kW)								
EDC 18	95	76/63	1.476	1.459	1.447	1.435	1.418	1.406	1.395	1.378	1.367
	95	80/67	1.592	1.573	1.561	1.548	1.529	1.517	1.504	1.486	1.474
	95	80.6/62.6	1.465	1.448	1.436	1.424	1.407	1.396	1.384	1.368	1.357
	95	80.6/66.2	1.569	1.550	1.538	1.525	1.507	1.495	1.482	1.464	1.453
	95	84.2/66.2	1.569	1.550	1.538	1.525	1.507	1.495	1.482	1.464	1.453
	105	76/63	1.652	1.633	1.620	1.606	1.587	1.574	1.561	1.542	1.530
	105	80/67	1.782	1.761	1.747	1.732	1.712	1.698	1.684	1.664	1.650
	105	80.6/62.6	1.639	1.620	1.607	1.593	1.574	1.562	1.548	1.530	1.518
	105	80.6/66.2	1.756	1.735	1.721	1.707	1.686	1.673	1.659	1.639	1.626
	105	84.2/66.2	1.756	1.735	1.721	1.707	1.686	1.673	1.659	1.639	1.626
	115	76/63	1.828	1.807	1.792	1.777	1.756	1.742	1.727	1.707	1.693
	115	80/67	1.972	1.949	1.933	1.917	1.894	1.879	1.863	1.841	1.826
	115	80.6/62.6	1.813	1.791	1.777	1.762	1.741	1.727	1.713	1.692	1.679
	115	80.6/66.2	1.943	1.920	1.905	1.889	1.866	1.851	1.836	1.814	1.799
	115	84.2/66.2	1.943	1.920	1.905	1.889	1.866	1.851	1.836	1.814	1.799
	125	76/63	1.920	1.897	1.882	1.866	1.844	1.829	1.814	1.792	1.778
	125	80/67	2.069	2.045	2.028	2.011	1.988	1.972	1.955	1.932	1.916
	125	80.6/62.6	1.904	1.882	1.867	1.851	1.829	1.814	1.799	1.778	1.763
	125	80.6/66.2	2.040	2.016	2.000	1.983	1.960	1.944	1.928	1.905	1.889
	125	84.2/66.2	2.040	2.016	2.000	1.983	1.960	1.944	1.928	1.905	1.889

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 Condenser (°F)	Air On Evaporator (°F)	EER								
EDC 18	95	76/63	11.217	11.021	10.887	10.616	10.431	10.305	10.049	9.873	9.753
	95	80/67	11.831	11.624	11.484	11.198	11.002	10.869	10.599	10.414	10.288
	95	80.6/62.6	12.022	11.812	11.669	11.379	11.180	11.045	10.770	10.582	10.454
	95	80.6/66.2	11.819	11.613	11.472	11.187	10.992	10.859	10.589	10.404	10.278
	95	84.2/66.2	11.938	11.729	11.587	11.299	11.102	10.967	10.695	10.508	10.381
	105	76/63	9.469	9.304	9.191	8.963	8.806	8.700	8.483	8.335	8.234
	105	80/67	10.094	9.918	9.798	9.554	9.387	9.273	9.043	8.885	8.777
	105	80.6/62.6	10.155	9.978	9.857	9.612	9.444	9.330	9.098	8.939	8.831
	105	80.6/66.2	9.952	9.778	9.660	9.420	9.255	9.143	8.916	8.760	8.654
	105	84.2/66.2	10.055	9.879	9.759	9.517	9.350	9.237	9.008	8.850	8.743
	115	76/63	8.059	7.918	7.822	7.628	7.495	7.404	7.220	7.094	7.008
	115	80/67	8.692	8.540	8.436	8.227	8.083	7.985	7.786	7.650	7.558
	115	80.6/62.6	8.647	8.496	8.393	8.184	8.041	7.944	7.746	7.611	7.519
	115	80.6/66.2	8.444	8.297	8.197	7.993	7.853	7.758	7.565	7.433	7.343
	115	84.2/66.2	8.535	8.385	8.284	8.078	7.937	7.841	7.646	7.512	7.421
	125	76/63	6.813	6.694	6.613	6.449	6.336	6.259	6.104	5.997	5.924
	125	80/67	7.391	7.262	7.174	6.996	6.874	6.791	6.622	6.506	6.427
	125	80.6/62.6	7.224	7.098	7.012	6.838	6.718	6.637	6.472	6.359	6.282
	125	80.6/66.2	7.088	6.964	6.880	6.709	6.592	6.512	6.350	6.239	6.164
	125	84.2/66.2	7.343	7.214	7.127	6.950	6.828	6.746	6.578	6.463	6.385

DUCTED SPLIT UNITS (COOL) - QUICK SELECTION CHART - R410A - 50HZ

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 Condenser (°F)	Air On Evaporator (°F)	Total Capacity BTUH								
EDC 24	95	76/63	21339	20718	20303	19632	19060	18679	18061	17535	17185
	95	80/67	24278	23571	23100	22336	21686	21252	20549	19951	19552
	95	80.6/62.6	22701	22040	21599	20885	20277	19871	19214	18655	18282
	95	80.6/66.2	23896	23200	22736	21984	21344	20917	20226	19636	19244
	95	84.2/66.2	24135	23432	22963	22204	21557	21126	20428	19833	19436
	105	76/63	20165	19578	19187	18552	18012	17652	17068	16571	16240
	105	80/67	23186	22510	22060	21331	20710	20295	19624	19053	18672
	105	80.6/62.6	21453	20828	20411	19736	19162	18778	18158	17629	17276
	105	80.6/66.2	22522	21866	21429	20720	20117	19714	19063	18507	18137
	105	84.2/66.2	22747	22085	21643	20927	20318	19912	19253	18692	18319
	115	76/63	18992	18439	18070	17472	16964	16624	16075	15606	15294
	115	80/67	22093	21450	21021	20326	19734	19339	18700	18155	17792
	115	80.6/62.6	20204	19616	19223	18588	18046	17685	17101	16603	16271
	115	80.6/66.2	20382	19789	19393	18752	18206	17842	17252	16749	16414
	115	84.2/66.2	20600	20000	19600	18952	18400	18032	17436	16928	16589
	125	76/63	16858	16367	16040	15509	15058	14756	14269	13853	13576
	125	80/67	19714	19140	18757	18137	17609	17256	16686	16200	15876
	125	80.6/62.6	17730	17213	16869	16311	15836	15519	15006	14569	14278
	125	80.6/66.2	18639	18096	17734	17148	16648	16315	15776	15316	15010
	125	84.2/66.2	19308	18746	18371	17763	17246	16901	16342	15866	15549

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 Condenser (°F)	Air On Evaporator (°F)	Sensible Capacity BTUH								
EDC 24	95	76/63	18992	18439	18070	17472	16964	16624	16075	15606	15294
	95	80/67	20207	19618	19226	18590	18049	17688	17103	16605	16273
	95	80.6/62.6	19296	18668	18359	17752	17174	16891	16332	15800	15539
	95	80.6/66.2	19619	19047	18666	18049	17523	17173	16605	16122	15799
	95	84.2/66.2	19815	19238	18853	18230	17699	17345	16771	16283	15957
	105	76/63	16072	15604	15292	14786	14355	14068	13603	13207	12943
	105	80/67	22293	21644	21211	20510	19912	19514	18869	18319	17953
	105	80.6/62.6	20595	19995	19595	18947	18395	18027	17431	16924	16585
	105	80.6/66.2	21891	21254	20829	20140	19553	19162	18529	17989	17629
	105	84.2/66.2	21741	21108	20686	20002	19419	19031	18402	17866	17508
	115	76/63	16903	16410	16082	15551	15098	14796	14306	13890	13612
	115	80/67	20525	19927	19528	18883	18333	17966	17372	16866	16529
	115	80.6/62.6	16608	16124	15802	15279	14834	14537	14057	13647	13374
	115	80.6/66.2	18205	17675	17321	16748	16261	15935	15409	14960	14661
	115	84.2/66.2	18399	17863	17506	16927	16434	16105	15573	15119	14817
	125	76/63	11885	11539	11308	10934	10616	10403	10059	9766	9571
	125	80/67	15278	14833	14537	14056	13647	13374	12932	12555	12304
	125	80.6/62.6	13475	13082	12820	12397	12035	11795	11405	11073	10851
	125	80.6/66.2	14725	14296	14010	13547	13152	12889	12463	12100	11858
	125	84.2/66.2	15446	14996	14697	14211	13797	13521	13074	12693	12439

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 Condenser (°F)	Air On Evaporator (°F)	Power Input (kW)								
EDC 24	95	76/63	1.857	1.835	1.820	1.805	1.784	1.769	1.754	1.734	1.720
	95	80/67	2.003	1.979	1.963	1.947	1.924	1.908	1.892	1.870	1.855
	95	80.6/62.6	1.843	1.821	1.807	1.792	1.770	1.756	1.741	1.721	1.707
	95	80.6/66.2	1.973	1.950	1.934	1.918	1.895	1.880	1.864	1.842	1.828
	95	84.2/66.2	1.973	1.950	1.934	1.918	1.895	1.880	1.864	1.842	1.828
	105	76/63	2.024	2.000	1.984	1.967	1.944	1.928	1.912	1.889	1.874
	105	80/67	2.183	2.157	2.140	2.122	2.096	2.080	2.062	2.038	2.021
	105	80.6/62.6	2.007	1.984	1.968	1.951	1.928	1.913	1.897	1.874	1.859
	105	80.6/66.2	2.151	2.125	2.108	2.090	2.066	2.049	2.032	2.008	1.992
	105	84.2/66.2	2.151	2.125	2.108	2.090	2.066	2.049	2.032	2.008	1.992
	115	76/63	2.190	2.164	2.147	2.129	2.104	2.087	2.069	2.045	2.028
	115	80/67	2.363	2.335	2.316	2.296	2.269	2.251	2.232	2.206	2.188
	115	80.6/62.6	2.172	2.146	2.129	2.111	2.086	2.069	2.052	2.027	2.011
	115	80.6/66.2	2.328	2.300	2.282	2.262	2.236	2.218	2.199	2.173	2.156
	115	84.2/66.2	2.328	2.300	2.282	2.262	2.236	2.218	2.199	2.173	2.156
	125	76/63	2.300	2.272	2.254	2.235	2.209	2.191	2.173	2.147	2.130
	125	80/67	2.479	2.450	2.430	2.409	2.381	2.362	2.342	2.314	2.296
	125	80.6/62.6	2.281	2.254	2.236	2.217	2.191	2.173	2.155	2.130	2.113
	125	80.6/66.2	2.444	2.415	2.396	2.376	2.347	2.329	2.309	2.282	2.263
	125	84.2/66.2	2.444	2.415	2.396	2.376	2.347	2.329	2.309	2.282	2.263

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 Condenser (°F)	Air On Evaporator (°F)	EER								
EDC 24	95	76/63	11.491	11.291	11.154	10.877	10.687	10.557	10.295	10.115	9.992
	95	80/67	12.121	11.909	11.765	11.473	11.272	11.136	10.859	10.669	10.540
	95	80.6/62.6	12.316	12.101	11.955	11.658	11.454	11.315	11.034	10.841	10.710
	95	80.6/66.2	12.109	11.897	11.754	11.461	11.261	11.125	10.848	10.659	10.530
	95	84.2/66.2	12.230	12.016	11.871	11.576	11.374	11.236	10.957	10.765	10.635
	105	76/63	9.965	9.791	9.672	9.432	9.267	9.155	8.927	8.771	8.665
	105	80/67	10.622	10.437	10.310	10.054	9.878	9.759	9.516	9.350	9.237
	105	80.6/62.6	10.687	10.500	10.373	10.115	9.938	9.818	9.574	9.407	9.293
	105	80.6/66.2	10.473	10.290	10.165	9.913	9.739	9.622	9.382	9.218	9.107
	105	84.2/66.2	10.401	10.219	10.096	9.845	9.673	9.556	9.318	9.155	9.044
	115	76/63	8.671	8.519	8.416	8.207	8.064	7.966	7.768	7.632	7.540
	115	80/67	9.352	9.188	9.077	8.851	8.697	8.591	8.378	8.231	8.132
	115	80.6/62.6	9.304	9.141	9.030	8.806	8.652	8.547	8.335	8.189	8.090
	115	80.6/66.2	9.086	8.927	8.819	8.600	8.449	8.347	8.140	7.997	7.901
	115	84.2/66.2	8.850	8.696	8.590	8.377	8.230	8.131	7.929	7.790	7.696
	125	76/63	7.331	7.202	7.115	6.938	6.817	6.735	6.567	6.452	6.374
	125	80/67	7.953	7.814	7.719	7.527	7.396	7.306	7.125	7.000	6.915
	125	80.6/62.6	7.773	7.637	7.544	7.357	7.228	7.141	6.963	6.842	6.759
	125	80.6/66.2	7.626	7.493	7.403	7.218	7.092	7.007	6.832	6.713	6.632
	125	84.2/66.2	7.900	7.762	7.668	7.478	7.347	7.258	7.078	6.954	6.870

DUCTED SPLIT UNITS (COOL) - QUICK SELECTION CHART - R410A - 50HZ

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 Condenser (°F)	Air On Evaporator (°F)	Total Capacity BTUH								
EDC 30	95	76/63	27134	26344	25817	24963	24236	23751	22966	22297	21851
	95	80/67	30871	29972	29373	28401	27574	27023	26129	25368	24861
	95	80.6/62.6	28866	28025	27465	26556	25783	25267	24432	23720	23246
	95	80.6/66.2	30385	29500	28910	27954	27140	26597	25718	24969	24469
	95	84.2/66.2	30689	29795	29199	28234	27411	26863	25975	25218	24714
	105	76/63	25641	24895	24397	23590	22903	22445	21703	21071	20649
	105	80/67	29482	28623	28051	27123	26333	25807	24954	24227	23742
	105	80.6/62.6	27278	26484	25954	25096	24365	23878	23088	22416	21967
	105	80.6/66.2	28638	27804	27248	26347	25579	25068	24239	23533	23062
	105	84.2/66.2	28696	27860	27303	26400	25631	25119	24288	23581	23109
	115	76/63	24149	23446	22977	22217	21570	21139	20440	19844	19448
	115	80/67	28093	27275	26729	25845	25093	24591	23778	23085	22623
	115	80.6/62.6	25691	24942	24443	23635	22947	22488	21744	21111	20689
	115	80.6/66.2	26421	25651	25138	24307	23599	23127	22363	21711	21277
	115	84.2/66.2	26703	25925	25407	24567	23851	23374	22601	21943	21504
	125	76/63	21436	20811	20395	19721	19146	18764	18143	17615	17262
	125	80/67	25067	24337	23851	23062	22390	21942	21217	20599	20187
	125	80.6/62.6	22544	21888	21450	20741	20137	19734	19081	18526	18155
	125	80.6/66.2	23700	23010	22550	21804	21169	20746	20060	19476	19086
	125	84.2/66.2	24551	23836	23359	22587	21929	21491	20780	20175	19771

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 Condenser (°F)	Air On Evaporator (°F)	Sensible Capacity BTUH								
EDC 30	95	76/63	24149	23446	22977	22217	21570	21139	20440	19844	19448
	95	80/67	25694	24946	24447	23638	22950	22491	21747	21114	20692
	95	80.6/62.6	24536	23737	23345	22573	21838	21477	20767	20091	19759
	95	80.6/66.2	24946	24220	23735	22950	22282	21836	21114	20499	20089
	95	84.2/66.2	25196	24462	23972	23180	22505	22055	21326	20704	20290
	105	76/63	20436	19841	19444	18801	18254	17889	17297	16793	16458
	105	80/67	28347	27521	26971	26079	25320	24813	23993	23294	22828
	105	80.6/62.6	26187	25424	24916	24092	23390	22923	22165	21519	21089
	105	80.6/66.2	27836	27025	26485	25609	24863	24366	23560	22874	22417
	105	84.2/66.2	27892	27080	26538	25661	24914	24415	23608	22920	22462
	115	76/63	21493	20867	20449	19773	19197	18813	18191	17662	17308
	115	80/67	26098	25338	24831	24010	23311	22845	22089	21446	21017
	115	80.6/62.6	21118	20503	20092	19428	18862	18485	17874	17353	17006
	115	80.6/66.2	23598	22911	22452	21710	21078	20656	19973	19392	19004
	115	84.2/66.2	23850	23155	22692	21942	21303	20877	20186	19599	19207
	125	76/63	15112	14672	14379	13903	13498	13228	12791	12418	12170
	125	80/67	19427	18861	18484	17873	17352	17005	16443	15964	15645
	125	80.6/62.6	17134	16635	16302	15763	15304	14998	14502	14079	13798
	125	80.6/66.2	18723	18178	17814	17225	16724	16389	15847	15386	15078
	125	84.2/66.2	19641	19069	18687	18070	17543	17192	16624	16140	15817

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 Condenser (°F)	Air On Evaporator (°F)	Power Input (kW)								
EDC 30	95	76/63	2.333	2.305	2.287	2.268	2.241	2.223	2.204	2.178	2.161
	95	80/67	2.517	2.487	2.467	2.446	2.417	2.398	2.378	2.349	2.331
	95	80.6/62.6	2.316	2.288	2.270	2.251	2.224	2.206	2.188	2.162	2.145
	95	80.6/66.2	2.479	2.450	2.430	2.410	2.381	2.362	2.342	2.315	2.296
	95	84.2/66.2	2.479	2.450	2.430	2.410	2.381	2.362	2.342	2.315	2.296
	105	76/63	2.497	2.468	2.448	2.427	2.399	2.379	2.359	2.332	2.313
	105	80/67	2.694	2.662	2.641	2.618	2.587	2.567	2.545	2.515	2.495
	105	80.6/62.6	2.477	2.448	2.428	2.408	2.379	2.360	2.341	2.313	2.294
	105	80.6/66.2	2.654	2.623	2.602	2.580	2.549	2.529	2.507	2.478	2.458
	105	84.2/66.2	2.654	2.623	2.602	2.580	2.549	2.529	2.507	2.478	2.458
	115	76/63	2.662	2.630	2.609	2.587	2.556	2.536	2.515	2.485	2.465
	115	80/67	2.871	2.837	2.814	2.791	2.757	2.735	2.712	2.680	2.659
	115	80.6/62.6	2.639	2.608	2.587	2.565	2.535	2.514	2.493	2.464	2.444
	115	80.6/66.2	2.829	2.795	2.773	2.749	2.717	2.695	2.672	2.641	2.620
	115	84.2/66.2	2.829	2.795	2.773	2.749	2.717	2.695	2.672	2.641	2.620
	125	76/63	2.795	2.761	2.739	2.716	2.684	2.663	2.640	2.609	2.588
	125	80/67	3.012	2.977	2.953	2.928	2.893	2.870	2.846	2.812	2.790
	125	80.6/62.6	2.772	2.739	2.717	2.694	2.662	2.641	2.619	2.588	2.567
	125	80.6/66.2	2.970	2.935	2.911	2.887	2.853	2.830	2.806	2.773	2.751
	125	84.2/66.2	2.970	2.935	2.911	2.887	2.853	2.830	2.806	2.773	2.751

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 Condenser (°F)	Air On Evaporator (°F)	EER								
EDC 30	95	76/63	11.630	11.427	11.288	11.008	10.815	10.684	10.419	10.237	10.113
	95	80/67	12.267	12.053	11.907	11.611	11.408	11.270	10.990	10.798	10.667
	95	80.6/62.6	12.465	12.247	12.099	11.798	11.592	11.452	11.167	10.972	10.839
	95	80.6/66.2	12.255	12.041	11.895	11.599	11.397	11.259	10.979	10.787	10.656
	95	84.2/66.2	12.378	12.161	12.014	11.715	11.511	11.371	11.089	10.895	10.763
	105	76/63	10.267	10.088	9.966	9.718	9.548	9.433	9.198	9.037	8.928
	105	80/67	10.944	10.753	10.623	10.359	10.178	10.055	9.805	9.633	9.517
	105	80.6/62.6	11.011	10.818	10.688	10.422	10.240	10.116	9.864	9.692	9.575
	105	80.6/66.2	10.791	10.602	10.474	10.213	10.035	9.913	9.667	9.498	9.383
	105	84.2/66.2	10.812	10.623	10.495	10.234	10.055	9.933	9.686	9.517	9.402
	115	76/63	9.073	8.914	8.807	8.588	8.437	8.335	8.128	7.986	7.890
	115	80/67	9.785	9.614	9.498	9.262	9.100	8.990	8.766	8.613	8.509
	115	80.6/62.6	9.735	9.565	9.449	9.214	9.053	8.944	8.721	8.569	8.465
	115	80.6/66.2	9.507	9.341	9.228	8.998	8.841	8.734	8.517	8.368	8.267
	115	84.2/66.2	9.440	9.275	9.163	8.935	8.779	8.673	8.457	8.310	8.209
	125	76/63	7.670	7.536	7.445	7.260	7.133	7.047	6.872	6.752	6.670
	125	80/67	8.321	8.176	8.077	7.876	7.739	7.645	7.455	7.325	7.236
	125	80.6/62.6	8.133	7.991	7.894	7.698	7.563	7.472	7.286	7.159	7.072
	125	80.6/66.2	7.980	7.841	7.746	7.553	7.421	7.331	7.149	7.024	6.939
	125	84.2/66.2	8.266	8.122	8.024	7.824	7.687	7.594	7.406	7.276	7.188

DUCTED SPLIT UNITS (COOL) - QUICK SELECTION CHART - R410A - 50HZ

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 Condenser (°F)	Air On Evaporator (°F)	Total Capacity BTUH														
ESC 36	95	76/63	32846	31917	30987	30367	29748	30219	29363	28508	27938	27368	27559	26779	25999	25479	24959
	95	80/67	37885	36813	35741	35026	34311	34855	33868	32882	32224	31566	31787	30888	29988	29388	28789
	95	80.6/62.6	34943	33954	32965	32306	31646	32147	31238	30328	29721	29115	29318	28489	27659	27106	26553
	95	80.6/66.2	36782	35741	34700	34006	33312	33839	32882	31924	31286	30647	30862	29988	29115	28532	27950
	95	84.2/66.2	37150	36098	35047	34346	33645	34178	33211	32243	31598	30954	31170	30288	29406	28818	28230
	105	76/63	31282	30396	29511	28921	28331	28779	27965	27150	26607	26064	26247	25504	24761	24266	23771
	105	80/67	35679	34669	33659	32986	32313	32824	31895	30966	30347	29728	29936	29088	28241	27676	27112
	105	80.6/62.6	32330	31415	30500	29890	29280	29744	28902	28060	27499	26938	27126	26358	25591	25079	24567
	105	80.6/66.2	33166	32227	31289	30663	30037	30513	29649	28786	28210	27634	27828	27040	26253	25727	25202
	105	84.2/66.2	35270	34272	33274	32608	31943	32448	31530	30612	29999	29387	29593	28755	27918	27359	26801
	115	76/63	29717	28876	28035	27474	26914	27340	26566	25792	25276	24761	24934	24228	23522	23052	22582
	115	80/67	34392	33418	32445	31796	31147	31640	30745	29849	29252	28655	28856	28039	27223	26678	26134
	115	80.6/62.6	31721	30823	29925	29327	28728	29183	28357	27531	26980	26430	26615	25862	25108	24606	24104
	115	80.6/66.2	33056	32121	31185	30561	29938	30412	29551	28690	28116	27543	27735	26950	26165	25642	25119
	115	84.2/66.2	33390	32445	31500	30870	30240	30719	29849	28980	28400	27821	28016	27223	26430	25901	25373
	125	76/63	26378	25632	24885	24387	23890	24268	23581	22894	22436	21978	22132	21506	20880	20462	20044
	125	80/67	30719	29849	28980	28400	27821	28261	27461	26662	26128	25595	25774	25045	24315	23829	23343
	125	80.6/62.6	26078	25340	24602	24109	23617	23991	23312	22633	22181	21728	21880	21261	20642	20229	19816
	125	80.6/66.2	29049	28227	27405	26857	26309	26725	25969	25213	24708	24204	24374	23684	22994	22534	22074
	125	84.2/66.2	30051	29201	28350	27783	27216	27647	26864	26082	25560	25039	25214	24500	23787	23311	22835

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 Condenser (°F)	Air On Evaporator (°F)	Sensible Capacity BTUH														
ESC 36	95	76/63	30241	29386	28530	27959	27388	27822	27035	26247	25722	25197	25374	24656	23938	23459	22980
	95	80/67	32377	31461	30544	29934	29323	29787	28944	28101	27539	26977	27166	26397	25628	25115	24603
	95	80.6/62.6	30617	29751	28884	28307	27729	28168	27371	26574	26042	25511	25689	24962	24235	23750	23266
	95	80.6/66.2	31240	30355	29471	28882	28292	28740	27927	27114	26571	26029	26211	25469	24728	24233	23738
	95	84.2/66.2	31552	30659	29766	29171	28575	29028	28206	27385	26837	26289	26473	25724	24975	24475	23976
	105	76/63	29038	28217	27395	26847	26299	26715	25959	25203	24699	24195	24364	23675	22985	22526	22066
	105	80/67	31042	30164	29285	28700	28114	28559	27751	26943	26404	25865	26046	25309	24572	24080	23589
	105	80.6/62.6	28163	27366	26569	26037	25506	25910	25177	24443	23954	23466	23630	22961	22292	21846	21401
	105	80.6/66.2	29381	28550	27718	27164	26610	27031	26266	25501	24991	24481	24652	23955	23257	22792	22327
	105	84.2/66.2	31469	30579	29688	29094	28500	28952	28132	27313	26767	26220	26404	25657	24909	24411	23913
	115	76/63	27835	27047	26260	25734	25209	25608	24884	24159	23676	23193	23355	22694	22033	21592	21152
	115	80/67	29708	28867	28026	27466	26905	27331	26558	25784	25269	24753	24926	24221	23515	23045	22575
	115	80.6/62.6	25709	24981	24253	23768	23283	23652	22982	22313	21867	21421	21570	20960	20349	19943	19536
	115	80.6/66.2	27523	26744	25965	25446	24927	25321	24605	23888	23410	22933	23093	22440	21786	21350	20915
	115	84.2/66.2	31387	30498	29610	29018	28426	28876	28058	27241	26696	26152	26335	25589	24844	24347	23850
	125	76/63	19572	19018	18464	18095	17725	18006	17496	16987	16647	16307	16422	15957	15492	15182	14872
	125	80/67	22114	21488	20863	20445	20028	20345	19769	19194	18810	18426	18555	18030	17504	17154	16804
	125	80.6/62.6	20858	20268	19678	19284	18891	19190	18647	18103	17741	17379	17501	17006	16510	16180	15850
	125	80.6/66.2	21654	21041	20428	20020	19611	19922	19358	18794	18418	18042	18169	17654	17140	16797	16455
	125	84.2/66.2	22490	21854	21217	20793	20369	20691	20105	19520	19129	18739	18870	18336	17802	17446	17090

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 Condenser (°F)	Air On Evaporator (°F)	Power Input (kW)														
ESC 36	95	76/63	2.906	2.871	2.837	2.814	2.792	2.824	2.791	2.758	2.736	2.714	2.745	2.713	2.680	2.659	2.638
	95	80/67	3.134	3.097	3.060	3.036	3.011	3.046	3.010	2.975	2.951	2.927	2.961	2.926	2.891	2.868	2.845
	95	80.6/62.6	2.884	2.850	2.816	2.793	2.771	2.803	2.770	2.737	2.715	2.694	2.725	2.692	2.661	2.639	2.618
	95	80.6/66.2	3.088	3.051	3.015	2.991	2.967	3.001	2.966	2.931	2.907	2.884	2.917	2.883	2.849	2.826	2.803
	95	84.2/66.2	3.088	3.051	3.015	2.991	2.967	3.001	2.966	2.931	2.907	2.884	2.917	2.883	2.849	2.826	2.803
	105	76/63	3.274	3.235	3.197	3.171	3.146	3.183	3.145	3.108	3.083	3.058	3.093	3.057	3.021	2.996	2.972
	105	80/67	3.532	3.490	3.448	3.421	3.394	3.433	3.392	3.352	3.325	3.298	3.337	3.297	3.258	3.232	3.206
	105	80.6/62.6	3.248	3.209	3.171	3.146	3.121	3.157	3.120	3.083	3.058	3.033	3.069	3.032	2.996	2.972	2.949
	105	80.6/66.2	3.480	3.438	3.398	3.370	3.343	3.382	3.342	3.302	3.276	3.250	3.287	3.248	3.210	3.184	3.159
	105	84.2/66.2	3.480	3.438	3.398	3.370	3.343	3.382	3.342	3.302	3.276	3.250	3.287	3.248	3.210	3.184	3.159
	115	76/63	3.643	3.600	3.557	3.529	3.500	3.541	3.499	3.457	3.430	3.402	3.442	3.401	3.361	3.334	3.307
	115	80/67	3.929	3.883	3.837	3.806	3.776	3.819	3.774	3.729	3.699	3.670	3.712	3.668	3.625	3.596	3.567
	115	80.6/62.6	3.612	3.569	3.527	3.499	3.471	3.511	3.469	3.428	3.401	3.373	3.412	3.372	3.332	3.305	3.279
	115	80.6/66.2	3.871	3.825	3.780	3.750	3.720	3.763	3.718	3.674	3.645	3.616	3.658	3.614	3.571	3.543	3.514
	115	84.2/66.2	3.871	3.825	3.780	3.750	3.720	3.763	3.718	3.674	3.645	3.616	3.658	3.614	3.571	3.543	3.514
	125	76/63	3.825	3.779	3.735	3.705	3.675	3.718	3.674	3.630	3.601	3.572	3.614	3.571	3.528	3.500	3.472
	125	80/67	4.123	4.074	4.026	3.993	3.962	4.007	3.960	3.913	3.882	3.851	3.895	3.849	3.803	3.773	3.743
	125	80.6/62.6	3.794	3.749	3.704	3.675	3.645	3.688	3.644	3.601	3.572	3.543	3.584	3.542	3.500	3.472	3.444
	125	80.6/66.2	4.065	4.017	3.969	3.937	3.906	3.951	3.904	3.858	3.827	3.796	3.840	3.795	3.750	3.720	3.690
	125	84.2/66.2	4.065	4.017	3.969	3.937	3.906	3.951	3.904	3.858	3.827	3.796	3.840	3.795	3.750	3.720	3.690

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 Condenser (°F)	Air On Evaporator (°F)	EER														
ESC 36	95	76/63	11.304	11.116	10.922	10.790	10.655	10.700	10.522	10.338	10.213	10.085	10.039	9.872	9.700	9.582	9.462
	95	80/67	11.924	11.725	11.520	11.381	11.239	11.286	11.098	10.904	10.772	10.637	10.589	10.413	10.231	10.107	9.981
	95	80.6/62.6	12.116	11.914	11.706	11.565	11.420	11.468	11.277	11.080	10.946	10.809	10.760	10.581	10.396	10.270	10.142
	95	80.6/66.2	11.912	11.714	11.509	11.370	11.228	11.275	11.087	10.893	10.762	10.627	10.579	10.403	10.221	10.097	9.971
	95	84.2/66.2	12.031	11.831	11.624	11.484	11.340	11.388	11.198	11.002	10.869	10.733	10.685	10.507	10.323	10.198	10.071
	105	76/63	9.554	9.395	9.231	9.119	9.005	9.043	8.892	8.737	8.631	8.523	8.485	8.343	8.198	8.098	7.997
	105	80/67	9.592	9.433	9.268	9.156	9.041	9.079	8.928	8.772	8.666	8.558	8.519	8.377	8.231	8.131	8.029
	105	80.6/62.6	9.954	9.788	9.617	9.501	9.382	9.421	9.265	9.103	8.993	8.880	8.840	8.693	8.541	8.438	8.332
	105	80.6/66.2	9.532	9.373	9.209	9.098	8.984	9.022	8.872	8.717	8.611	8.504	8.465	8.324	8.179	8.080	7.979
	105	84.2/66.2	10.136	9.968	9.794	9.675	9.554	9.594	9.434	9.270	9.157	9.043	9.002	8.852	8.697	8.592	8.485
	115	76/63	8.158	8.022	7.882	7.786	7.689	7.721	7.593	7.460	7.370	7.278	7.245	7.124	7.000	6.915	6.828
	115	80/67	7.733	7.604	7.471	7.381	7.289	7.319	7.197	7.072	6.986	6.899	6.867	6.753	6.635	6.555	6.473
	115	80.6/62.6	8.228	8.091	7.949	7.853	7.755	7.787	7.658	7.524	7.433	7.340	7.307	7.185	7.060	6.974	6.887
	115	80.6/66.2	7.633	7.506	7.375	7.286	7.195	7.225	7.105	6.980	6.896	6.810	6.779	6.666	6.550	6.470	6.389
	115	84.2/66.2	8.625	8.482	8.333	8.233	8.130	8.164	8.028	7.888	7.792	7.695	7.660	7.532	7.401	7.311	7.220
	125	76/63	6.897	6.782	6.663	6.583	6.500	6.528	6.419	6.307	6.231	6.153	6.125	6.023	5.918	5.846	5.773
	125	80/67	6.576	6.467	6.354	6.277	6.198	6.224	6.121	6.014	5.941	5.867	5.840	5.743	5.643	5.574	5.505
	125	80.6/62.6	6.874	6.759	6.641	6.561	6.479	6.506	6.398	6.286	6.210	6.132	6.104	6.003	5.898	5.827	5.754
	125	80.6/66.2	6.407	6.301	6.190	6.116	6.039	6.064	5.964	5.859	5.788	5.716	5.690	5.595	5.498	5.431	5.363
	125	84.2/66.2	6.571	6.462	6.349	6.272	6.194	6.220	6.116	6.010	5.937	5.863	5.836	5.739	5.639	5.570	5.501

DUCTED SPLIT UNITS (COOL) - QUICK SELECTION CHART - R410A - 50HZ

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 Condenser (°F)	Air On Evaporator (°F)	Total Capacity BTUH														
ESC 42	95	76/63	39046	37941	36836	36100	35363	35923	34906	33889	33212	32534	32762	31834	30907	30289	29671
	95	80/67	45037	43762	42488	41638	40788	41434	40261	39089	38307	37525	37788	36718	35649	34936	34223
	95	80.6/62.6	41539	40363	39188	38404	37620	38216	37134	36053	35331	34610	34853	33866	32880	32222	31565
	95	80.6/66.2	43725	42488	41250	40425	39600	40227	39089	37950	37191	36432	36687	35649	34610	33918	33226
	95	84.2/66.2	44162	42912	41663	40829	39996	40629	39479	38330	37563	36796	37054	36005	34957	34257	33558
	105	76/63	37353	36296	35239	34534	33830	34365	33393	32420	31772	31123	31341	30454	29567	28976	28384
	105	80/67	42413	41213	40013	39212	38412	39020	37916	36812	36075	35339	35586	34579	33572	32901	32229
	105	80.6/62.6	38600	37507	36415	35686	34958	35512	34507	33502	32832	32162	32387	31470	30553	29942	29331
	105	80.6/66.2	39593	38472	37352	36604	35857	36425	35394	34363	33676	32989	33220	32280	31339	30713	30086
	105	84.2/66.2	42115	40923	39731	38937	38142	38746	37649	36553	35822	35091	35336	34336	33336	32669	32003
	115	76/63	35661	34651	33642	32969	32296	32808	31879	30951	30332	29713	29921	29074	28227	27662	27098
	115	80/67	41270	40102	38934	38155	37377	37968	36894	35819	35103	34387	34627	33647	32667	32014	31360
	115	80.6/62.6	35661	34651	33642	32969	32296	32808	31879	30951	30332	29713	29921	29074	28227	27662	27098
	115	80.6/66.2	39667	38545	37422	36674	35925	36494	35461	34428	33740	33051	33282	32341	31399	30771	30143
	115	84.2/66.2	40068	38934	37800	37044	36288	36863	35819	34776	34080	33385	33619	32667	31716	31081	30447
	125	76/63	31654	30758	29862	29265	28668	29121	28297	27473	26924	26374	26559	25807	25055	24554	24053
	125	80/67	36863	35819	34776	34080	33385	33914	32954	31994	31354	30714	30929	30054	29178	28595	28011
	125	80.6/62.6	31293	30407	29522	28931	28341	28790	27975	27160	26617	26074	26256	25513	24770	24275	23779
	125	80.6/66.2	34859	33873	32886	32228	31571	32070	31163	30255	29650	29045	29248	28420	27593	27041	26489
	125	84.2/66.2	36061	35041	34020	33340	32659	33176	32237	31298	30672	30046	30257	29400	28544	27973	27402

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 Condenser (°F)	Air On Evaporator (°F)	Sensible Capacity BTUH														
ESC 42	95	76/63	35950	34932	33915	33237	32558	33074	32138	31202	30578	29954	30163	29310	28456	27887	27318
	95	80/67	38489	37399	36310	35584	34858	35410	34407	33405	32737	32069	32293	31380	30466	29856	29247
	95	80.6/62.6	36397	35367	34337	33650	32963	33485	32537	31590	30958	30326	30538	29674	28810	28234	27657
	95	80.6/66.2	37136	36085	35034	34334	33633	34165	33198	32232	31587	30942	31159	30277	29395	28807	28219
	95	84.2/66.2	37508	36446	35385	34677	33969	34507	33530	32554	31903	31252	31470	30580	29689	29095	28502
	105	76/63	34676	33695	32713	32059	31405	31902	30999	30096	29494	28892	29095	28271	27448	26899	26350
	105	80/67	37069	36020	34971	34271	33572	34104	33138	32173	31530	30886	31102	30222	29342	28755	28168
	105	80.6/62.6	33623	32672	31720	31086	30451	30934	30058	29183	28599	28015	28211	27413	26615	26082	25550
	105	80.6/66.2	35082	34089	33096	32434	31773	32276	31362	30449	29840	29231	29435	28602	27769	27214	26658
	105	84.2/66.2	37586	36522	35458	34749	34040	34579	33600	32622	31969	31317	31536	30643	29751	29156	28561
	115	76/63	33402	32457	31512	30881	30251	30730	29860	28991	28411	27831	28026	27233	26439	25911	25382
	115	80/67	35649	34641	33632	32959	32286	32798	31869	30941	30322	29703	29911	29065	28218	27654	27090
	115	80.6/62.6	30850	29977	29104	28522	27940	28382	27579	26776	26240	25705	25885	25152	24419	23931	23443
	115	80.6/66.2	33028	32093	31159	30535	29912	30386	29526	28666	28093	27519	27712	26928	26143	25620	25098
	115	84.2/66.2	37664	36598	35532	34821	34111	34651	33670	32689	32036	31382	31602	30707	29813	29217	28620
	125	76/63	23486	22821	22157	21714	21271	21607	20996	20384	19977	19569	19706	19148	18590	18219	17847
	125	80/67	26537	25786	25035	24534	24034	24414	23723	23032	22572	22111	22266	21636	21005	20585	20165
	125	80.6/62.6	25030	24322	23613	23141	22669	23028	22376	21724	21290	20855	21001	20407	19812	19416	19020
	125	80.6/66.2	25985	25249	24514	24024	23533	23906	23229	22553	22102	21651	21802	21185	20568	20157	19745
	125	84.2/66.2	26988	26225	25461	24951	24442	24829	24127	23424	22955	22487	22644	22003	21363	20935	20508

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 Condenser (°F)	Air On Evaporator (°F)	Power Input (kW)														
ESC 42	95	76/63	3.440	3.400	3.359	3.332	3.306	3.344	3.304	3.265	3.239	3.213	3.251	3.212	3.174	3.148	3.123
	95	80/67	3.711	3.667	3.624	3.595	3.566	3.607	3.564	3.522	3.494	3.466	3.506	3.465	3.423	3.396	3.369
	95	80.6/62.6	3.415	3.374	3.334	3.308	3.281	3.319	3.280	3.241	3.215	3.189	3.226	3.188	3.150	3.125	3.100
	95	80.6/66.2	3.656	3.613	3.570	3.541	3.513	3.554	3.512	3.470	3.442	3.415	3.454	3.413	3.373	3.346	3.319
	95	84.2/66.2	3.656	3.613	3.570	3.541	3.513	3.554	3.512	3.470	3.442	3.415	3.454	3.413	3.373	3.346	3.319
	105	76/63	3.840	3.795	3.750	3.720	3.690	3.733	3.689	3.645	3.616	3.587	3.628	3.585	3.543	3.514	3.486
	105	80/67	4.142	4.093	4.045	4.012	3.980	4.026	3.979	3.932	3.900	3.869	3.914	3.867	3.821	3.791	3.761
	105	80.6/62.6	3.810	3.764	3.720	3.690	3.661	3.703	3.659	3.616	3.587	3.558	3.599	3.557	3.514	3.486	3.458
	105	80.6/66.2	4.081	4.033	3.985	3.953	3.921	3.967	3.920	3.873	3.842	3.812	3.856	3.810	3.765	3.735	3.705
	105	84.2/66.2	4.081	4.033	3.985	3.953	3.921	3.967	3.920	3.873	3.842	3.812	3.856	3.810	3.765	3.735	3.705
	115	76/63	4.240	4.190	4.140	4.107	4.074	4.122	4.073	4.024	3.992	3.960	4.006	3.959	3.912	3.880	3.849
	115	80/67	4.574	4.520	4.466	4.430	4.395	4.446	4.393	4.341	4.306	4.272	4.321	4.270	4.219	4.186	4.152
	115	80.6/62.6	4.204	4.154	4.105	4.072	4.040	4.087	4.038	3.990	3.958	3.927	3.972	3.925	3.879	3.847	3.817
	115	80.6/66.2	4.506	4.453	4.400	4.365	4.330	4.380	4.328	4.277	4.243	4.209	4.257	4.207	4.157	4.124	4.091
	115	84.2/66.2	4.506	4.453	4.400	4.365	4.330	4.380	4.328	4.277	4.243	4.209	4.257	4.207	4.157	4.124	4.091
	125	76/63	4.452	4.399	4.347	4.312	4.278	4.327	4.276	4.225	4.192	4.158	4.206	4.156	4.107	4.074	4.042
	125	80/67	4.799	4.742	4.686	4.649	4.611	4.665	4.609	4.555	4.518	4.482	4.534	4.480	4.427	4.392	4.357
	125	80.6/62.6	4.416	4.364	4.312	4.278	4.243	4.292	4.242	4.191	4.158	4.124	4.172	4.123	4.074	4.041	4.009
	125	80.6/66.2	4.732	4.675	4.620	4.583	4.546	4.599	4.545	4.491	4.455	4.419	4.470	4.417	4.365	4.330	4.295
	125	84.2/66.2	4.732	4.675	4.620	4.583	4.546	4.599	4.545	4.491	4.455	4.419	4.470	4.417	4.365	4.330	4.295

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 Condenser (°F)	Air On Evaporator (°F)	EER														
ESC 42	95	76/63	11.349	11.160	10.965	10.833	10.697	10.742	10.563	10.379	10.253	10.125	10.079	9.911	9.738	9.620	9.500
	95	80/67	11.971	11.772	11.566	11.426	11.283	11.331	11.142	10.947	10.815	10.680	10.631	10.454	10.271	10.147	10.020
	95	80.6/62.6	12.164	11.962	11.753	11.610	11.465	11.513	11.322	11.124	10.989	10.852	10.803	10.623	10.437	10.311	10.182
	95	80.6/66.2	11.959	11.760	11.555	11.415	11.272	11.319	11.131	10.936	10.804	10.669	10.621	10.444	10.261	10.137	10.010
	95	84.2/66.2	12.079	11.878	11.670	11.529	11.385	11.433	11.242	11.046	10.912	10.776	10.727	10.548	10.364	10.239	10.111
	105	76/63	9.726	9.565	9.397	9.284	9.168	9.206	9.053	8.895	8.787	8.677	8.638	8.494	8.346	8.245	8.142
	105	80/67	9.763	9.601	9.433	9.319	9.202	9.241	9.087	8.928	8.820	8.710	8.670	8.526	8.377	8.276	8.172
	105	80.6/62.6	10.132	9.964	9.789	9.671	9.550	9.590	9.431	9.266	9.154	9.039	8.998	8.848	8.694	8.589	8.481
	105	80.6/66.2	9.701	9.540	9.373	9.260	9.144	9.182	9.029	8.872	8.764	8.655	8.615	8.472	8.324	8.223	8.120
	105	84.2/66.2	10.319	10.148	9.970	9.850	9.726	9.767	9.605	9.437	9.323	9.206	9.164	9.012	8.854	8.747	8.638
	115	76/63	8.410	8.270	8.125	8.027	7.927	7.960	7.827	7.691	7.598	7.503	7.469	7.344	7.216	7.129	7.039
	115	80/67	7.972	7.839	7.702	7.609	7.514	7.545	7.420	7.290	7.202	7.112	7.080	6.962	6.840	6.757	6.673
	115	80.6/62.6	8.482	8.341	8.195	8.096	7.995	8.028	7.895	7.757	7.663	7.567	7.533	7.407	7.278	7.190	7.100
	115	80.6/66.2	7.869	7.738	7.603	7.511	7.417	7.448	7.324	7.196	7.109	7.020	6.988	6.872	6.752	6.670	6.587
	115	84.2/66.2	8.892	8.744	8.591	8.487	8.381	8.416	8.276	8.131	8.033	7.932	7.896	7.765	7.629	7.537	7.443
	125	76/63	7.110	6.991	6.869	6.786	6.701	6.729	6.617	6.502	6.423	6.343	6.314	6.209	6.100	6.027	5.951
	125	80/67	6.779	6.667	6.550	6.471	6.390	6.417	6.310	6.200	6.125	6.048	6.021	5.920	5.817	5.747	5.675
	125	80.6/62.6	7.086	6.968	6.846	6.764	6.679	6.707	6.595	6.480	6.402	6.322	6.293	6.188	6.080	6.007	5.931
	125	80.6/66.2	6.605	6.495	6.382	6.305	6.226	6.252	6.148	6.040	5.967	5.893	5.866	5.768	5.668	5.599	5.529
	125	84.2/66.2	6.775	6.662	6.545	6.466	6.385	6.412	6.305	6.195	6.120	6.044	6.016	5.916	5.813	5.743	5.671

DUCTED SPLIT UNITS (COOL) - QUICK SELECTION CHART - R410A - 50HZ

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 Condenser (°F)	Air On Evaporator (°F)	Total Capacity BTUH														
ESC 48	95	76/63	43921	42678	41435	40606	39778	40408	39264	38120	37358	36596	36852	35809	34766	34070	33375
	95	80/67	50660	49226	47792	46836	45880	46607	45288	43969	43089	42210	42505	41302	40099	39297	38495
	95	80.6/62.6	46725	45402	44080	43198	42317	42987	41770	40554	39743	38931	39204	38094	36985	36245	35505
	95	80.6/66.2	49184	47792	46400	45472	44544	45249	43969	42688	41834	40980	41267	40099	38931	38153	37374
	95	84.2/66.2	49676	48270	46864	45927	44989	45702	44408	43115	42253	41390	41680	40500	39321	38534	37748
	105	76/63	41536	40361	39185	38401	37618	38213	37132	36050	35329	34608	34851	33864	32878	32220	31563
	105	80/67	47708	46358	45008	44108	43208	43892	42650	41407	40579	39751	40029	38896	37764	37008	36253
	105	80.6/62.6	42938	41723	40508	39697	38887	39503	38385	37267	36522	35776	36027	35007	33987	33308	32628
	105	80.6/66.2	44058	42811	41564	40732	39901	40533	39386	38239	37474	36709	36966	35920	34874	34176	33479
	105	84.2/66.2	46833	45507	44182	43298	42415	43086	41867	40647	39834	39022	39295	38183	37070	36329	35588
	115	76/63	39151	38043	36935	36196	35458	36019	35000	33980	33301	32621	32849	31920	30990	30370	29750
	115	80/67	45310	44027	42745	41890	41035	41685	40505	39325	38539	37752	38017	36941	35865	35147	34430
	115	80.6/62.6	39151	38043	36935	36196	35458	36019	35000	33980	33301	32621	32849	31920	30990	30370	29750
	115	80.6/66.2	43550	42318	41085	40263	39442	40066	38932	37798	37042	36286	36540	35506	34472	33783	33093
	115	84.2/66.2	43990	42745	41500	40670	39840	40471	39325	38180	37416	36653	36909	35865	34820	34124	33427
	125	76/63	34752	33769	32785	32129	31474	31972	31067	30162	29559	28956	29158	28333	27508	26958	26408
	125	80/67	40471	39325	38180	37416	36653	37233	36179	35126	34423	33721	33957	32996	32035	31394	30753
	125	80.6/62.6	34356	33384	32412	31763	31115	31608	30713	29819	29222	28626	28826	28010	27195	26651	26107
	125	80.6/66.2	38271	37188	36105	35383	34661	35210	34213	33217	32552	31888	32111	31202	30294	29688	29082
	125	84.2/66.2	39591	38471	37350	36603	35856	36424	35393	34362	33675	32988	33218	32278	31338	30711	30085

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 Condenser (°F)	Air On Evaporator (°F)	Sensible Capacity BTUH														
ESC 48	95	76/63	40438	39294	38149	37386	36623	37203	36150	35097	34395	33693	33929	32969	32009	31369	30728
	95	80/67	43294	42069	40843	40026	39210	39830	38703	37576	36824	36073	36325	35297	34269	33584	32898
	95	80.6/62.6	40941	39782	38623	37851	37078	37666	36600	35534	34823	34112	34351	33379	32407	31758	31110
	95	80.6/66.2	41773	40590	39408	38620	37832	38431	37343	36256	35530	34805	35049	34057	33065	32404	31742
	95	84.2/66.2	42190	40996	39802	39006	38210	38815	37717	36618	35886	35153	35399	34398	33396	32728	32060
	105	76/63	38555	37464	36373	35645	34918	35471	34467	33463	32794	32124	32349	31434	30518	29908	29297
	105	80/67	41216	40050	38883	38106	37328	37919	36846	35773	35057	34342	34582	33603	32625	31972	31320
	105	80.6/62.6	37405	36347	35288	34582	33877	34413	33439	32465	31816	31166	31385	30496	29608	29016	28424
	105	80.6/66.2	39017	37913	36808	36072	35336	35895	34880	33864	33186	32509	32737	31810	30884	30266	29648
	105	84.2/66.2	41771	40588	39406	38618	37830	38429	37341	36254	35529	34804	35047	34055	33063	32402	31741
	115	76/63	36672	35634	34596	33904	33212	33738	32783	31828	31192	30555	30769	29898	29027	28447	27866
	115	80/67	39139	38031	36924	36185	35447	36008	34989	33970	33290	32611	32839	31910	30980	30361	29741
	115	80.6/62.6	33870	32911	31953	31314	30675	31160	30278	29397	28809	28221	28418	27614	26810	26273	25737
	115	80.6/66.2	36261	35235	34208	33524	32840	33360	32416	31472	30842	30213	30424	29563	28702	28128	27554
	115	84.2/66.2	41351	40180	39010	38230	37450	38043	36966	35889	35171	34454	34695	33713	32731	32076	31422
	125	76/63	25785	25055	24326	23839	23353	23722	23051	22380	21932	21484	21635	21022	20410	20002	19594
	125	80/67	29135	28310	27486	26936	26386	26804	26045	25287	24781	24275	24445	23753	23061	22600	22139
	125	80.6/62.6	27480	26702	25925	25406	24888	25282	24566	23851	23374	22897	23057	22404	21752	21317	20882
	125	80.6/66.2	28528	27721	26913	26375	25837	26246	25503	24760	24265	23770	23936	23259	22581	22130	21678
	125	84.2/66.2	29630	28791	27953	27394	26835	27260	26488	25717	25202	24688	24861	24157	23454	22985	22515

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 Condenser (°F)	Air On Evaporator (°F)	Power Input (kW)														
ESC 48	95	76/63	3.884	3.838	3.792	3.762	3.732	3.775	3.730	3.686	3.657	3.627	3.669	3.626	3.583	3.554	3.526
	95	80/67	4.189	4.140	4.090	4.058	4.025	4.072	4.024	3.976	3.944	3.913	3.958	3.911	3.865	3.834	3.803
	95	80.6/62.6	3.855	3.809	3.764	3.734	3.704	3.747	3.703	3.659	3.629	3.600	3.642	3.599	3.556	3.528	3.500
	95	80.6/66.2	4.127	4.078	4.030	3.998	3.966	4.012	3.964	3.917	3.886	3.855	3.899	3.853	3.807	3.777	3.747
	95	84.2/66.2	4.127	4.078	4.030	3.998	3.966	4.012	3.964	3.917	3.886	3.855	3.899	3.853	3.807	3.777	3.747
	105	76/63	4.327	4.276	4.225	4.191	4.158	4.206	4.156	4.107	4.074	4.041	4.088	4.040	3.992	3.960	3.928
	105	80/67	4.667	4.612	4.557	4.521	4.485	4.537	4.483	4.430	4.394	4.359	4.410	4.357	4.306	4.271	4.237
	105	80.6/62.6	4.292	4.241	4.191	4.158	4.124	4.172	4.123	4.074	4.041	4.009	4.055	4.007	3.960	3.928	3.897
	105	80.6/66.2	4.598	4.544	4.490	4.454	4.418	4.470	4.417	4.364	4.329	4.295	4.345	4.293	4.242	4.208	4.174
	105	84.2/66.2	4.598	4.544	4.490	4.454	4.418	4.470	4.417	4.364	4.329	4.295	4.345	4.293	4.242	4.208	4.174
	115	76/63	4.770	4.714	4.658	4.621	4.584	4.637	4.582	4.528	4.491	4.455	4.507	4.454	4.401	4.366	4.331
	115	80/67	5.146	5.085	5.024	4.984	4.944	5.001	4.942	4.884	4.845	4.806	4.861	4.804	4.747	4.709	4.671
	115	80.6/62.6	4.730	4.674	4.618	4.581	4.545	4.597	4.543	4.489	4.453	4.417	4.469	4.416	4.363	4.328	4.294
	115	80.6/66.2	5.070	5.009	4.950	4.910	4.871	4.928	4.869	4.811	4.773	4.735	4.790	4.733	4.677	4.639	4.602
	115	84.2/66.2	5.070	5.009	4.950	4.910	4.871	4.928	4.869	4.811	4.773	4.735	4.790	4.733	4.677	4.639	4.602
	125	76/63	5.009	4.949	4.891	4.851	4.813	4.868	4.811	4.754	4.716	4.678	4.732	4.676	4.621	4.584	4.547
	125	80/67	5.399	5.335	5.272	5.230	5.188	5.248	5.186	5.124	5.083	5.042	5.101	5.040	4.981	4.941	4.901
	125	80.6/62.6	4.968	4.909	4.851	4.812	4.774	4.829	4.772	4.715	4.677	4.640	4.694	4.638	4.583	4.546	4.510
	125	80.6/66.2	5.323	5.260	5.198	5.156	5.115	5.174	5.113	5.052	5.012	4.971	5.029	4.969	4.911	4.871	4.832
	125	84.2/66.2	5.323	5.260	5.198	5.156	5.115	5.174	5.113	5.052	5.012	4.971	5.029	4.969	4.911	4.871	4.832

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 Condenser (°F)	Air On Evaporator (°F)	EER														
ESC 48	95	76/63	11.309	11.121	10.926	10.794	10.659	10.704	10.526	10.342	10.217	10.089	10.043	9.876	9.703	9.586	9.466
	95	80/67	11.928	11.730	11.525	11.386	11.243	11.290	11.102	10.908	10.776	10.642	10.593	10.417	10.235	10.111	9.985
	95	80.6/62.6	12.121	11.919	11.711	11.569	11.425	11.472	11.282	11.084	10.950	10.813	10.764	10.585	10.400	10.274	10.146
	95	80.6/66.2	11.917	11.718	11.514	11.374	11.232	11.279	11.092	10.898	10.766	10.631	10.583	10.407	10.225	10.101	9.975
	95	84.2/66.2	12.036	11.836	11.629	11.488	11.344	11.392	11.202	11.007	10.874	10.738	10.689	10.511	10.327	10.202	10.075
	105	76/63	9.599	9.439	9.274	9.162	9.048	9.086	8.934	8.778	8.672	8.564	8.525	8.383	8.236	8.137	8.035
	105	80/67	9.642	9.481	9.315	9.203	9.088	9.126	8.974	8.817	8.710	8.601	8.562	8.420	8.273	8.173	8.071
	105	80.6/62.6	10.003	9.837	9.665	9.548	9.429	9.468	9.311	9.148	9.037	8.924	8.884	8.736	8.583	8.479	8.373
	105	80.6/66.2	9.581	9.422	9.257	9.145	9.031	9.068	8.918	8.762	8.656	8.547	8.509	8.367	8.221	8.121	8.020
	105	84.2/66.2	10.185	10.015	9.840	9.721	9.599	9.640	9.479	9.314	9.201	9.086	9.045	8.894	8.739	8.633	8.525
	115	76/63	8.207	8.070	7.929	7.834	7.736	7.768	7.639	7.505	7.414	7.322	7.289	7.167	7.042	6.957	6.870
	115	80/67	7.780	7.650	7.517	7.426	7.333	7.364	7.241	7.114	7.028	6.940	6.909	6.794	6.675	6.595	6.512
	115	80.6/62.6	8.277	8.140	7.997	7.901	7.802	7.835	7.704	7.570	7.478	7.384	7.351	7.229	7.102	7.016	6.929
	115	80.6/66.2	7.679	7.552	7.420	7.330	7.238	7.269	7.148	7.023	6.938	6.851	6.820	6.706	6.589	6.510	6.428
	115	84.2/66.2	8.677	8.533	8.384	8.282	8.179	8.213	8.076	7.935	7.839	7.741	7.706	7.578	7.445	7.355	7.263
	125	76/63	6.938	6.823	6.704	6.623	6.540	6.567	6.458	6.345	6.268	6.190	6.162	6.059	5.953	5.881	5.808
	125	80/67	6.616	6.506	6.392	6.315	6.236	6.262	6.158	6.050	5.977	5.902	5.875	5.778	5.677	5.608	5.538
	125	80.6/62.6	6.915	6.800	6.681	6.601	6.518	6.545	6.436	6.324	6.247	6.169	6.141	6.039	5.934	5.862	5.788
	125	80.6/66.2	6.446	6.339	6.228	6.153	6.076	6.101	6.000	5.895	5.824	5.751	5.725	5.629	5.531	5.464	5.396
	125	84.2/66.2	6.611	6.501	6.388	6.310	6.231	6.258	6.153	6.046	5.973	5.898	5.871	5.774	5.673	5.604	5.534

DUCTED SPLIT UNITS (COOL) - QUICK SELECTION CHART - R410A - 50HZ

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 Condenser (°F)	Air On Evaporator (°F)	Total Capacity BTUH														
ESC 60	95	76/63	51115	49669	48222	47258	46293	47026	45695	44364	43477	42590	42888	41674	40460	39651	38842
	95	80/67	58957	57289	55620	54508	53395	54241	52706	51170	50147	49124	49467	48067	46667	45734	44801
	95	80.6/62.6	54378	52839	51300	50274	49248	50028	48612	47196	46252	45308	45625	44334	43043	42182	41321
	95	80.6/66.2	57240	55620	54000	52920	51840	52661	51170	49680	48686	47693	48027	46667	45308	44402	43496
	95	84.2/66.2	57812	56176	54540	53449	52358	53187	51682	50177	49173	48170	48507	47134	45761	44846	43931
	105	76/63	48435	47064	45694	44780	43866	44560	43299	42038	41197	40356	40639	39489	38339	37572	36805
	105	80/67	55523	53951	52380	51332	50285	51081	49635	48190	47226	46262	46586	45267	43949	43070	42191
	105	80.6/62.6	50066	48649	47233	46288	45343	46061	44758	43454	42585	41716	42008	40819	39630	38837	38045
	105	80.6/66.2	51369	49915	48461	47492	46523	47259	45922	44584	43693	42801	43101	41881	40661	39848	39034
	105	84.2/66.2	54611	53066	51520	50490	49459	50242	48820	47398	46450	45502	45821	44524	43227	42363	41498
	115	76/63	45755	44460	43165	42302	41438	42095	40903	39712	38918	38123	38390	37304	36217	35493	34768
	115	80/67	52952	51454	49955	48956	47957	48716	47337	45959	45039	44120	44429	43172	41914	41076	40238
	115	80.6/62.6	45755	44460	43165	42302	41438	42095	40903	39712	38918	38123	38390	37304	36217	35493	34768
	115	80.6/66.2	50896	49455	48015	47055	46094	46824	45499	44174	43290	42407	42704	41495	40287	39481	38675
	115	84.2/66.2	51410	49955	48500	47530	46560	47297	45959	44620	43728	42835	43135	41914	40693	39880	39066
	125	76/63	40614	39464	38315	37549	36782	37365	36307	35250	34545	33840	34077	33112	32148	31505	30862
	125	80/67	47297	45959	44620	43728	42835	43513	42282	41050	40229	39408	39684	38561	37438	36689	35940
	125	80.6/62.6	40151	39015	37879	37121	36363	36939	35894	34848	34151	33454	33688	32735	31782	31146	30510
	125	80.6/66.2	44727	43461	42195	41351	40507	41149	39984	38819	38043	37267	37527	36465	35403	34695	33987
	125	84.2/66.2	46269	44960	43650	42777	41904	42567	41363	40158	39355	38552	38822	37723	36624	35892	35159

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 Condenser (°F)	Air On Evaporator (°F)	Sensible Capacity BTUH														
ESC 60	95	76/63	47062	45730	44398	43510	42622	43297	42071	40846	40029	39212	39487	38369	37252	36506	35761
	95	80/67	50385	48959	47533	46582	45632	46354	45042	43730	42856	41981	42275	41079	39882	39085	38287
	95	80.6/62.6	47647	46298	44950	44051	43152	43835	42594	41354	40527	39700	39977	38846	37715	36960	36206
	95	80.6/66.2	48615	47239	45863	44946	44029	44726	43460	42194	41350	40506	40790	39635	38481	37711	36942
	95	84.2/66.2	49101	47711	46322	45395	44469	45173	43894	42616	41764	40911	41198	40032	38866	38088	37311
	105	76/63	44960	43687	42415	41566	40718	41363	40192	39021	38241	37461	37723	36655	35588	34876	34164
	105	80/67	48063	46703	45342	44436	43529	44218	42966	41715	40881	40046	40327	39185	38044	37283	36522
	105	80.6/62.6	43615	42380	41146	40323	39500	40126	38990	37854	37097	36340	36595	35559	34523	33833	33142
	105	80.6/66.2	45496	44208	42921	42062	41204	41856	40672	39487	38697	37908	38173	37093	36012	35292	34572
	105	84.2/66.2	48713	47335	45956	45037	44118	44816	43548	42279	41434	40588	40872	39716	38559	37788	37016
	115	76/63	42857	41644	40432	39623	38814	39429	38313	37197	36453	35709	35959	34941	33924	33245	32567
	115	80/67	45741	44446	43152	42289	41426	42081	40891	39700	38906	38112	38378	37292	36206	35482	34758
	115	80.6/62.6	39583	38463	37342	36596	35849	36416	35386	34355	33668	32981	33212	32272	31332	30705	30078
	115	80.6/66.2	42377	41178	39979	39179	38379	38987	37884	36780	36045	35309	35556	34550	33544	32873	32202
	115	84.2/66.2	48325	46958	45590	44678	43766	44459	43201	41943	41104	40265	40547	39399	38252	37487	36722
	125	76/63	30134	29282	28429	27860	27292	27724	26939	26154	25631	25108	25284	24568	23853	23376	22899
	125	80/67	34049	33085	32122	31479	30837	31325	30438	29552	28961	28370	28568	27760	26951	26412	25873
	125	80.6/62.6	32115	31206	30297	29691	29085	29546	28710	27874	27316	26759	26946	26183	25421	24912	24404
	125	80.6/66.2	33340	32397	31453	30824	30195	30673	29805	28937	28358	27779	27974	27182	26390	25863	25335
	125	84.2/66.2	34628	33648	32668	32014	31361	31858	30956	30054	29453	28852	29054	28232	27410	26861	26313

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 Condenser (°F)	Air On Evaporator (°F)	Power Input (kW)														
ESC 60	95	76/63	4.443	4.390	4.338	4.303	4.269	4.318	4.267	4.217	4.183	4.149	4.197	4.148	4.098	4.066	4.033
	95	80/67	4.792	4.735	4.679	4.642	4.605	4.658	4.603	4.548	4.512	4.476	4.528	4.474	4.421	4.385	4.350
	95	80.6/62.6	4.410	4.357	4.306	4.271	4.237	4.286	4.235	4.185	4.152	4.118	4.166	4.117	4.068	4.035	4.003
	95	80.6/66.2	4.721	4.665	4.610	4.573	4.537	4.589	4.535	4.481	4.445	4.410	4.461	4.408	4.355	4.321	4.286
	95	84.2/66.2	4.721	4.665	4.610	4.573	4.537	4.589	4.535	4.481	4.445	4.410	4.461	4.408	4.355	4.321	4.286
	105	76/63	4.944	4.885	4.827	4.789	4.750	4.805	4.748	4.692	4.655	4.617	4.671	4.616	4.561	4.524	4.488
	105	80/67	5.333	5.269	5.207	5.165	5.124	5.183	5.122	5.061	5.021	4.981	5.038	4.978	4.919	4.880	4.841
	105	80.6/62.6	4.904	4.846	4.789	4.750	4.712	4.767	4.710	4.655	4.617	4.580	4.633	4.578	4.524	4.488	4.452
	105	80.6/66.2	5.254	5.192	5.130	5.089	5.048	5.107	5.046	4.986	4.946	4.907	4.964	4.905	4.847	4.808	4.770
	105	84.2/66.2	5.254	5.192	5.130	5.089	5.048	5.107	5.046	4.986	4.946	4.907	4.964	4.905	4.847	4.808	4.770
	115	76/63	5.445	5.380	5.317	5.274	5.232	5.293	5.230	5.168	5.126	5.085	5.144	5.083	5.023	4.983	4.943
	115	80/67	5.873	5.804	5.735	5.689	5.643	5.709	5.641	5.574	5.530	5.485	5.549	5.483	5.418	5.375	5.332
	115	80.6/62.6	5.399	5.335	5.271	5.229	5.187	5.248	5.185	5.124	5.083	5.042	5.101	5.040	4.980	4.941	4.901
	115	80.6/66.2	5.786	5.718	5.650	5.605	5.560	5.624	5.558	5.492	5.448	5.404	5.467	5.402	5.338	5.295	5.253
	115	84.2/66.2	5.786	5.718	5.650	5.605	5.560	5.624	5.558	5.492	5.448	5.404	5.467	5.402	5.338	5.295	5.253
	125	76/63	5.717	5.649	5.582	5.538	5.493	5.557	5.491	5.426	5.382	5.339	5.401	5.337	5.274	5.232	5.190
	125	80/67	6.163	6.089	6.017	5.969	5.921	5.990	5.919	5.849	5.802	5.756	5.822	5.753	5.685	5.640	5.594
	125	80.6/62.6	5.671	5.603	5.537	5.493	5.449	5.512	5.447	5.382	5.339	5.296	5.358	5.294	5.231	5.189	5.148
	125	80.6/66.2	6.076	6.004	5.933	5.885	5.838	5.906	5.836	5.766	5.720	5.674	5.740	5.672	5.605	5.560	5.516
	125	84.2/66.2	6.076	6.004	5.933	5.885	5.838	5.906	5.836	5.766	5.720	5.674	5.740	5.672	5.605	5.560	5.516

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 Condenser (°F)	Air On Evaporator (°F)	EER														
ESC 60	95	76/63	11.505	11.314	11.116	10.982	10.844	10.890	10.709	10.521	10.394	10.264	10.218	10.048	9.872	9.753	9.631
	95	80/67	12.136	11.934	11.725	11.583	11.438	11.486	11.295	11.098	10.964	10.827	10.777	10.598	10.413	10.287	10.158
	95	80.6/62.6	12.331	12.126	11.914	11.770	11.623	11.672	11.478	11.277	11.141	11.001	10.951	10.769	10.581	10.453	10.322
	95	80.6/66.2	12.124	11.922	11.714	11.572	11.427	11.475	11.284	11.087	10.953	10.816	10.767	10.588	10.403	10.277	10.148
	95	84.2/66.2	12.245	12.041	11.831	11.688	11.541	11.590	11.397	11.198	11.062	10.924	10.874	10.694	10.507	10.380	10.250
	105	76/63	9.797	9.634	9.466	9.351	9.234	9.273	9.119	8.959	8.851	8.740	8.700	8.556	8.406	8.304	8.201
	105	80/67	9.839	9.676	9.506	9.391	9.274	9.313	9.158	8.998	8.889	8.778	8.738	8.593	8.442	8.340	8.236
	105	80.6/62.6	10.209	10.039	9.864	9.744	9.622	9.663	9.502	9.336	9.223	9.108	9.066	8.915	8.760	8.654	8.545
	105	80.6/66.2	9.777	9.615	9.447	9.332	9.216	9.254	9.100	8.941	8.833	8.723	8.683	8.539	8.389	8.288	8.184
	105	84.2/66.2	10.394	10.222	10.043	9.921	9.797	9.838	9.675	9.506	9.391	9.273	9.231	9.077	8.919	8.811	8.701
	115	76/63	8.403	8.263	8.119	8.021	7.920	7.954	7.821	7.684	7.592	7.497	7.463	7.338	7.210	7.123	7.034
	115	80/67	7.966	7.833	7.696	7.603	7.508	7.539	7.414	7.284	7.196	7.106	7.074	6.956	6.835	6.752	6.668
	115	80.6/62.6	8.475	8.334	8.188	8.089	7.988	8.022	7.888	7.750	7.657	7.561	7.527	7.401	7.272	7.184	7.094
	115	80.6/66.2	7.863	7.732	7.597	7.505	7.411	7.442	7.318	7.190	7.104	7.015	6.983	6.867	6.747	6.665	6.582
	115	84.2/66.2	8.885	8.737	8.584	8.480	8.374	8.409	8.269	8.125	8.027	7.926	7.890	7.759	7.623	7.531	7.437
	125	76/63	7.104	6.986	6.864	6.781	6.696	6.724	6.612	6.497	6.418	6.338	6.309	6.204	6.096	6.022	5.947
	125	80/67	6.774	6.661	6.545	6.466	6.385	6.412	6.305	6.195	6.120	6.043	6.016	5.916	5.812	5.742	5.670
	125	80.6/62.6	7.080	6.963	6.841	6.758	6.674	6.702	6.590	6.475	6.397	6.317	6.288	6.183	6.075	6.002	5.927
	125	80.6/66.2	6.600	6.490	6.377	6.300	6.221	6.247	6.143	6.036	5.963	5.888	5.861	5.764	5.663	5.595	5.525
	125	84.2/66.2	6.769	6.657	6.540	6.461	6.380	6.407	6.300	6.190	6.115	6.039	6.012	5.912	5.808	5.738	5.666

DUCTED MODELS - 50Hz						
Model	Speed	Air flow in CFM / External Static pressure (Pa)				
		0	25	50	75	100
EDC18	High	605	585	558	NA	NA
	Med	527	506	477	NA	NA
	Low	448	423	396	NA	NA
EDC24	High	823	779	738	NA	NA
	Med	766	730	691	NA	NA
	Low	686	646	602	NA	NA
EDC30	High	1012	974	920	NA	NA
	Med	915	877	828	NA	NA
	Low	736	693	653	NA	NA
ESC36	High	1306	1174	1168	1095	1021
	Med	1141	961	956	897	837
	Low	929	841	737	690	639
ESC42	High	1521	1359	1365	1256	1161
	Med	1368	1224	1229	1134	1053
	Low	1121	1052	1003	927	864
ESC48	High	1691	1636	1559	1463	1362
	Med	1508	1444	1356	1234	1115
	Low	1298	1225	1142	1024	887
ESC60	High	2181	2074	1950	1801	1655
	Med	1691	1636	1559	1463	1362
	Low	1508	1444	1356	1234	1115

DUCTED MODELS - 50Hz						
Model	Speed	Airflow in CMH / External Static pressure (Inch wg)				
		0.0	0.1	0.2	0.3	0.4
EDC18	High	1029	995	949	NA	NA
	Med	896	860	811	NA	NA
	Low	762	719	673	NA	NA
EDC24	High	1399	1325	1255	NA	NA
	Med	1302	1241	1175	NA	NA
	Low	1166	1098	1023	NA	NA
EDC30	High	1720	1655	1564	NA	NA
	Med	1556	1491	1408	NA	NA
	Low	1251	1179	1110	NA	NA
ESC36	High	2220	1996	1985	1862	1736
	Med	1940	1634	1626	1525	1423
	Low	1579	1430	1252	1173	1086
ESC42	High	2586	2310	2320	2135	1974
	Med	2326	2081	2090	1928	1790
	Low	1906	1788	1705	1576	1469
ESC48	High	2875	2781	2650	2487	2315
	Med	2564	2455	2304	2098	1896
	Low	2207	2083	1942	1741	1508
ESC60	High	3708	3526	3315	3062	2814
	Med	2875	2781	2650	2487	2315
	Low	2564	2455	2305	2098	1896

PIPE SELECTION CHART - SUCTION

R410A, 50/60 Hz
Suction Line Pipe selection chart

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

*- Standard pipe size supplied by factory will be 5 m.

R410A, 50/60 Hz
Capacity loss multiplier

		Equivalent Pipe length (m) - Vertical + Horizontal							
	Pipe Size	7.5	10	15	20	25	30	35	40
18	1/2"*	0	0.992	0.984	0.979	0.974	0.969	0.964	
	5/8"								0.969
24	5/8"*	0	0.994	0.982	0.977	0.972	0.967	0.963	0.958
30	5/8"*	0	0.99	0.982	0.977	0.972	0.967		
	3/4"							0.972	0.967
36	5/8"*	0	0.991	0.988	0.983	0.978	0.973		
	3/4"							0.978	0.973
42	3/4"*	0	0.989	0.982	0.977	0.972	0.967	0.963	
	7/8"								0.967
48	3/4"*	0	0.981	0.979	0.974	0.969			
	7/8"						0.971	0.969	0.964
60	3/4"*	0	0.982	0.978					
	7/8"				0.974	0.971	0.965	0.961	0.958
70	7/8"*	0	0.982	0.978					
	1 1/8"				0.974	0.971	0.965	0.961	0.958

General Notes:

1) The above chart is applicable for Recip / Scroll compressors

2) For rotary compressor the max elevation allowed is 10 meters and the total Equivalent length of piping is to be limited to 15 meters

3) For Recip / Scroll compressor the max elevation allowed is 20 meters and the total Equivalent length of piping is to be limited to 40 meters

4) When the Outdoor unit is located above indoor unit, install a suction riser every 5 meters

5) The capacity derating as per the performance chart applicable at various ambiant temperatures

6) The total length exceed more than 20 mts the following components to be installed at site

6.1) hard start kit (start capacitor and relay) must be installed on outdoor unit

PIPE SELECTION CHART - LIQUID

R410A, 50 Hz/60Hz

Liquid line Pipe selection (Outdoor unit above indoor unit) Max Elevation: 20 Meters

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

*- Standard pipe size supplied by factory will be 5 m.
The maximum elevation on Outdoor unit above indoor unit: 20 m.
Total Equivalent length of piping : 40 m.

R410A, 50 Hz/60Hz

Liquid line Sizing (Indoor unit above outdoor unit) Max Elevation: 15 Meters

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

*- Standard pipe size supplied by factory will be 5 m.
The maximum elevation on indoor unit above outdoor unit: 15 m.
Total Equivalent length of piping : 40 m.

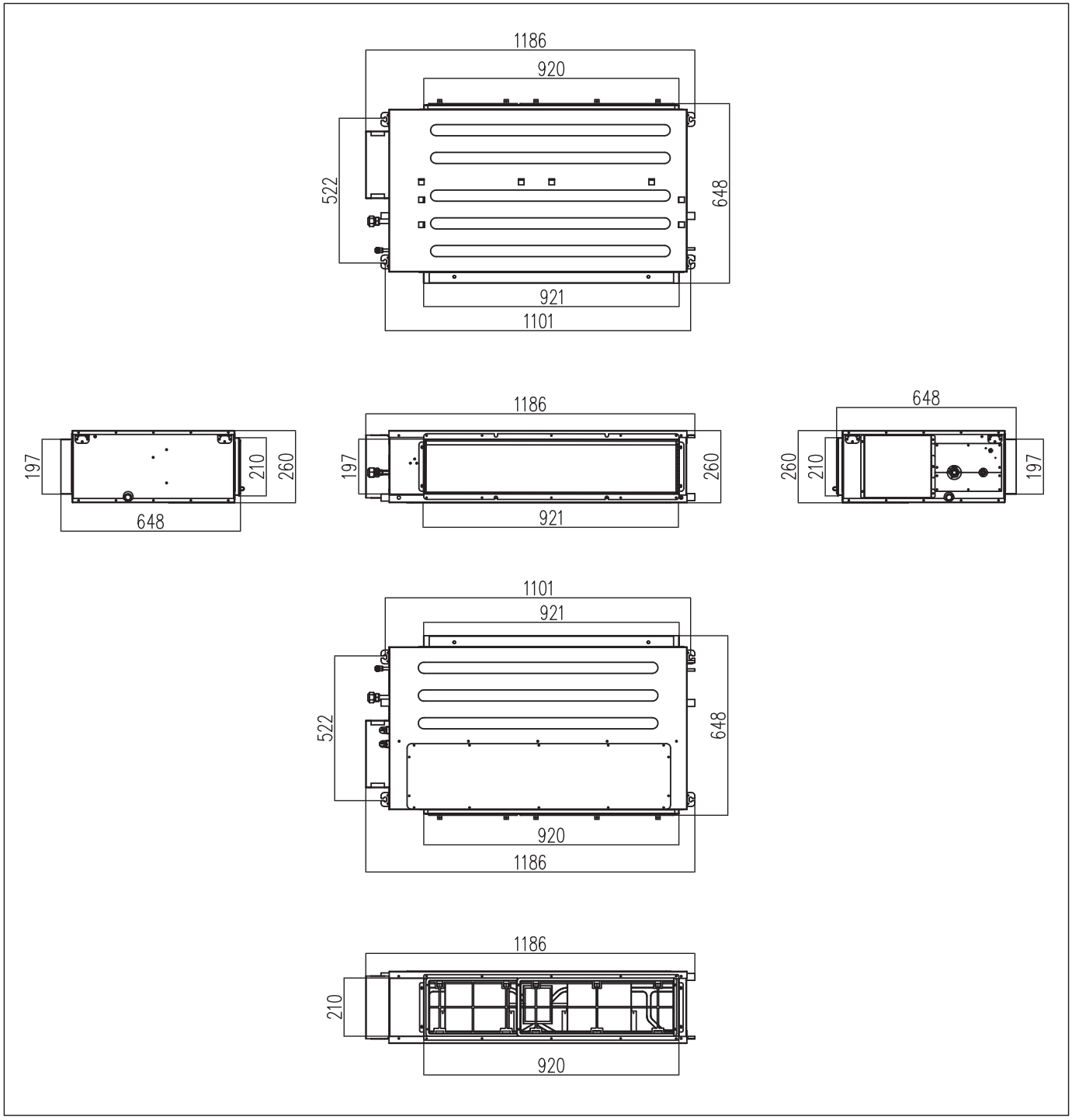
General Notes:

1) The above chart is applicable for Recip / Scroll compressors
2) For rotary compressor the max elevation allowed is 10 meters and the total Equivalent length of piping is to be limited to 15 meters.
3) For Recip / Scroll compressor the max elevation allowed is 20 meters and the total Equivalent length of piping is to be limited to 40 meters

Extra Refrigerant Charging

Liquid Line Size	R410a
1/4	20
3/8	25
1/2	30

GENERAL ARRANGEMENT OF LO STATIC SERIES: 18 & 24K



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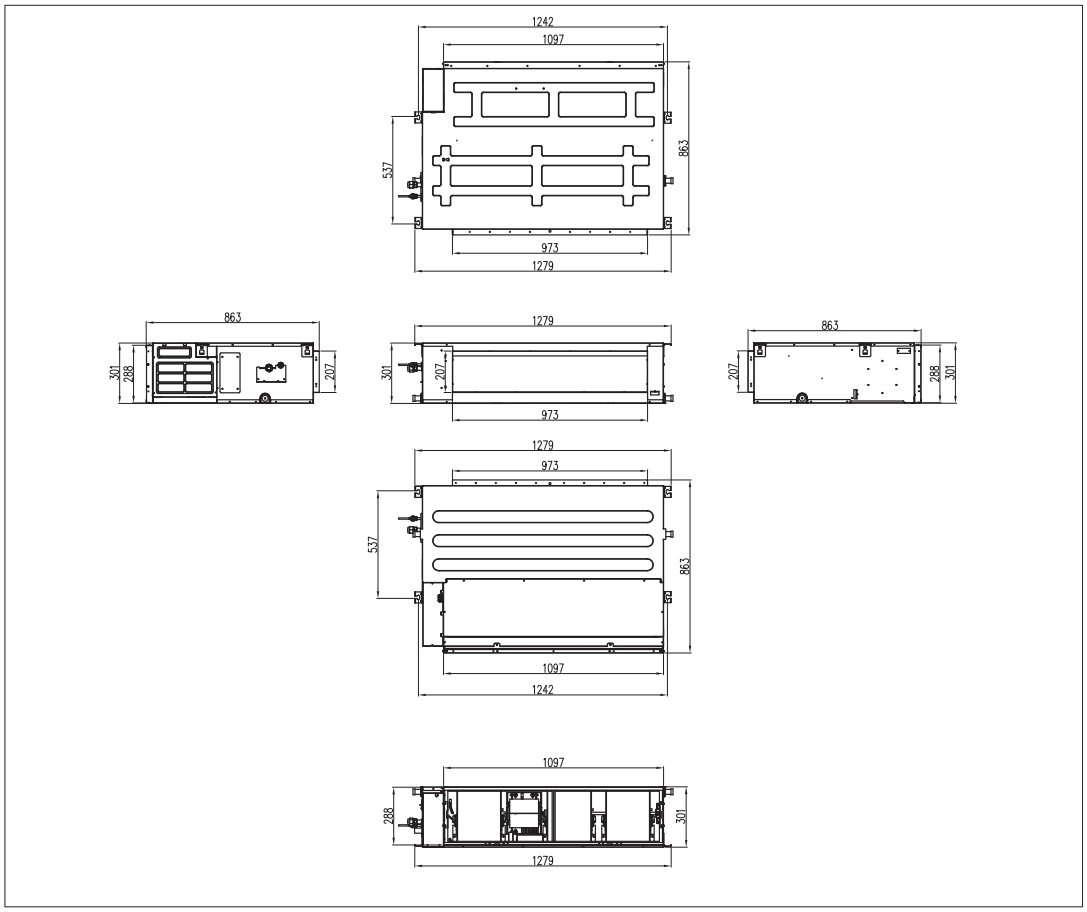
GENERAL ARRANGEMENT OF LO/HI STATIC SERIES: 30K LO STATIC, 36 & 42K Hi STATIC



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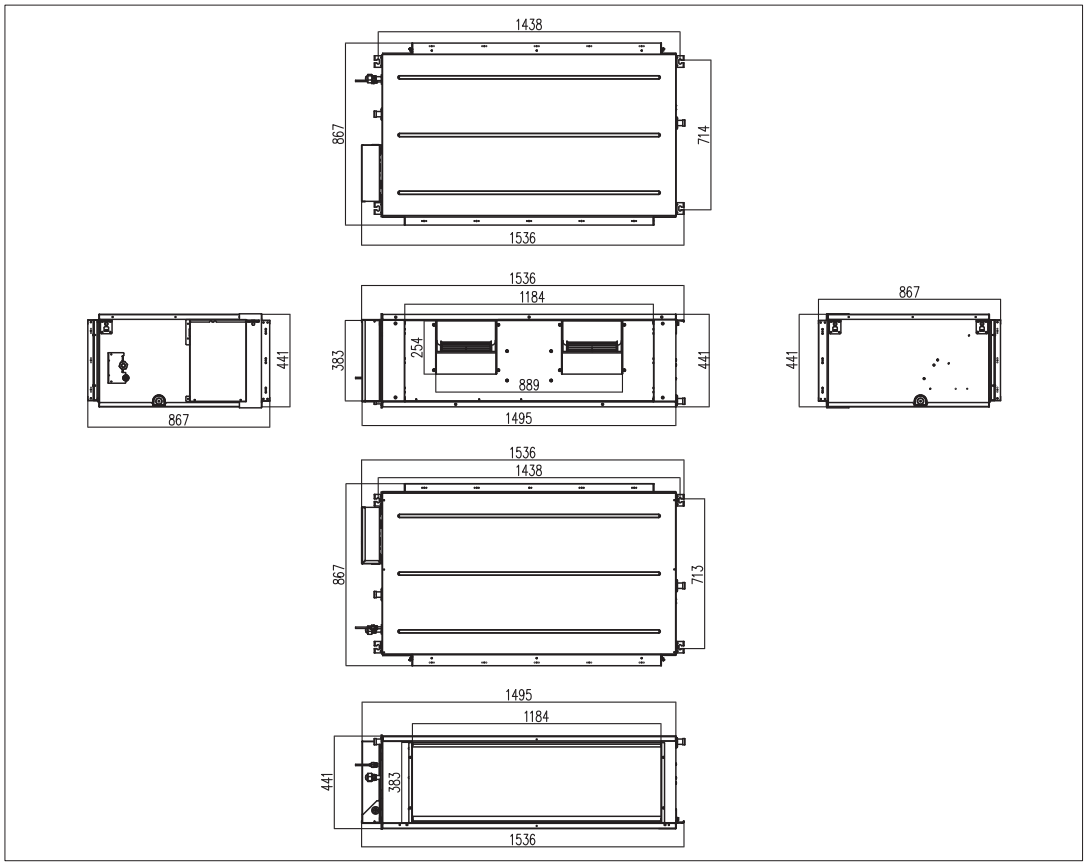
GENERAL ARRANGEMENT OF HI STATIC SERIES: 48 & 60K



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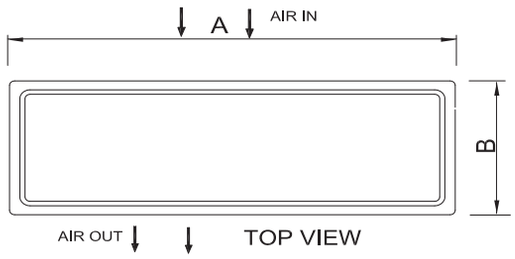
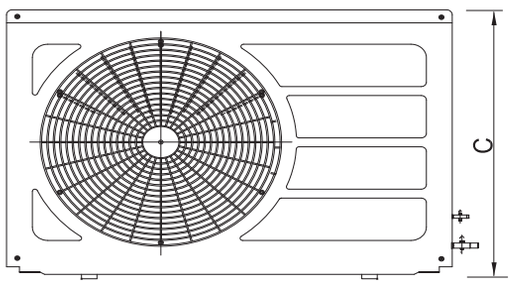
18K SIDE DISCHARGE MODEL

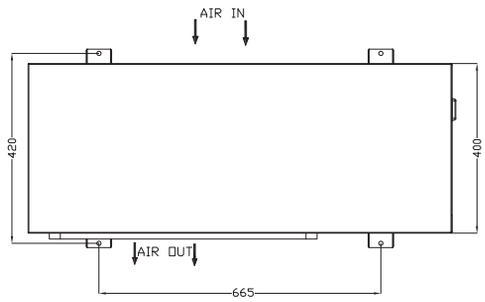


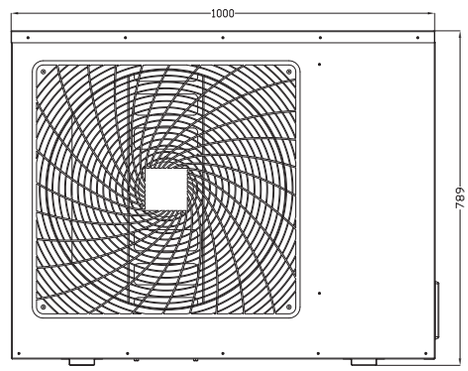


CST 18 SIDE DISCHARGE MODEL

MODEL	DIM 'A' (mm)	DIM 'B' (mm)	DIM 'C' (mm)
CST 18	870	320	650

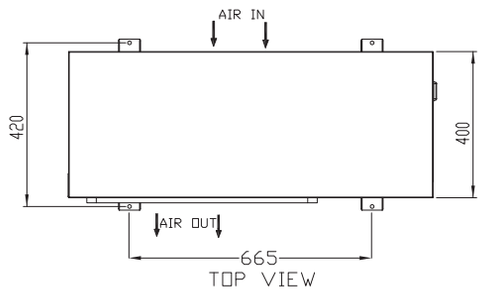
24/30/36K SIDE DISCHARGE MODELS

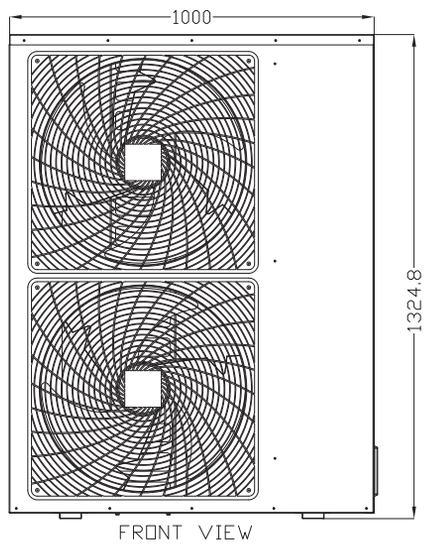




CST24/CST30/CST36 SIDE DISCHARGE MODELS

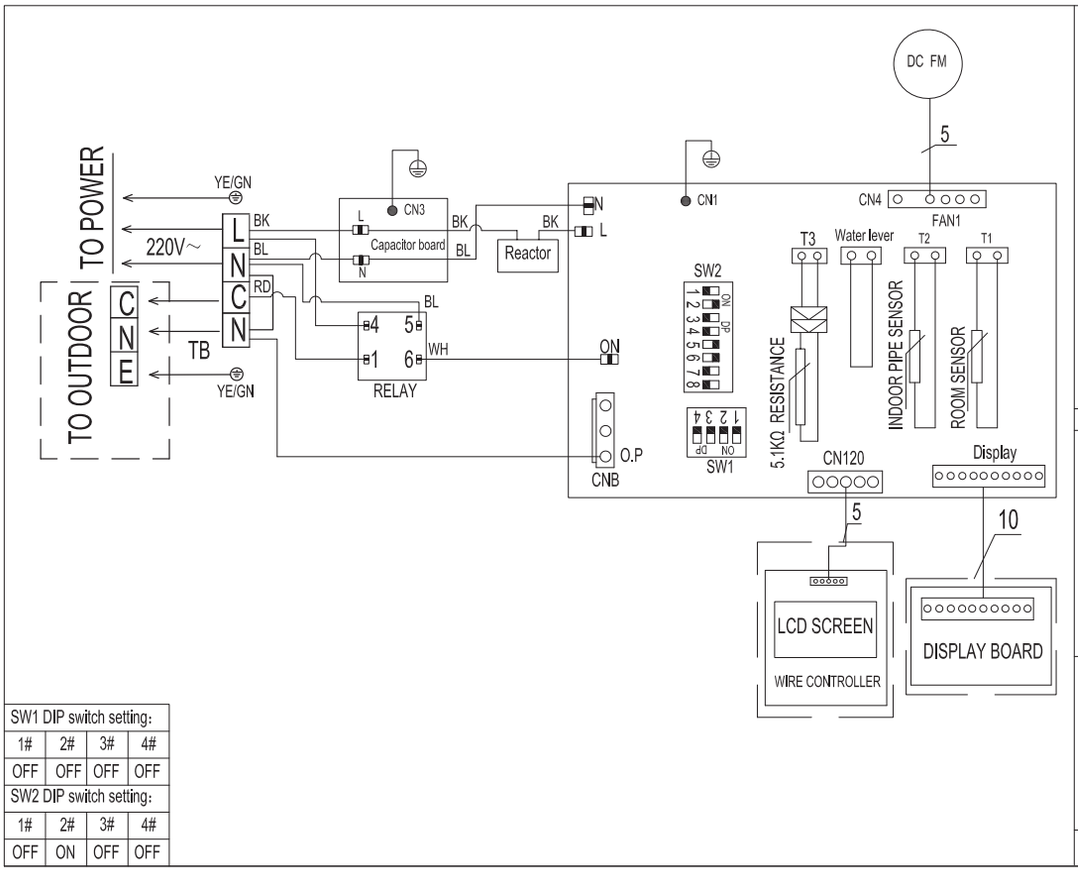
42/48/60K SIDE DISCHARGE MODELS





CSS42/CSS48/CSS60 SIDE DISCHARGE MODELS

18/24K COOL INDOOR UNIT



SW1 DIP switch setting:			
1#	2#	3#	4#
OFF	OFF	OFF	OFF
SW2 DIP switch setting:			
1#	2#	3#	4#
OFF	ON	OFF	OFF

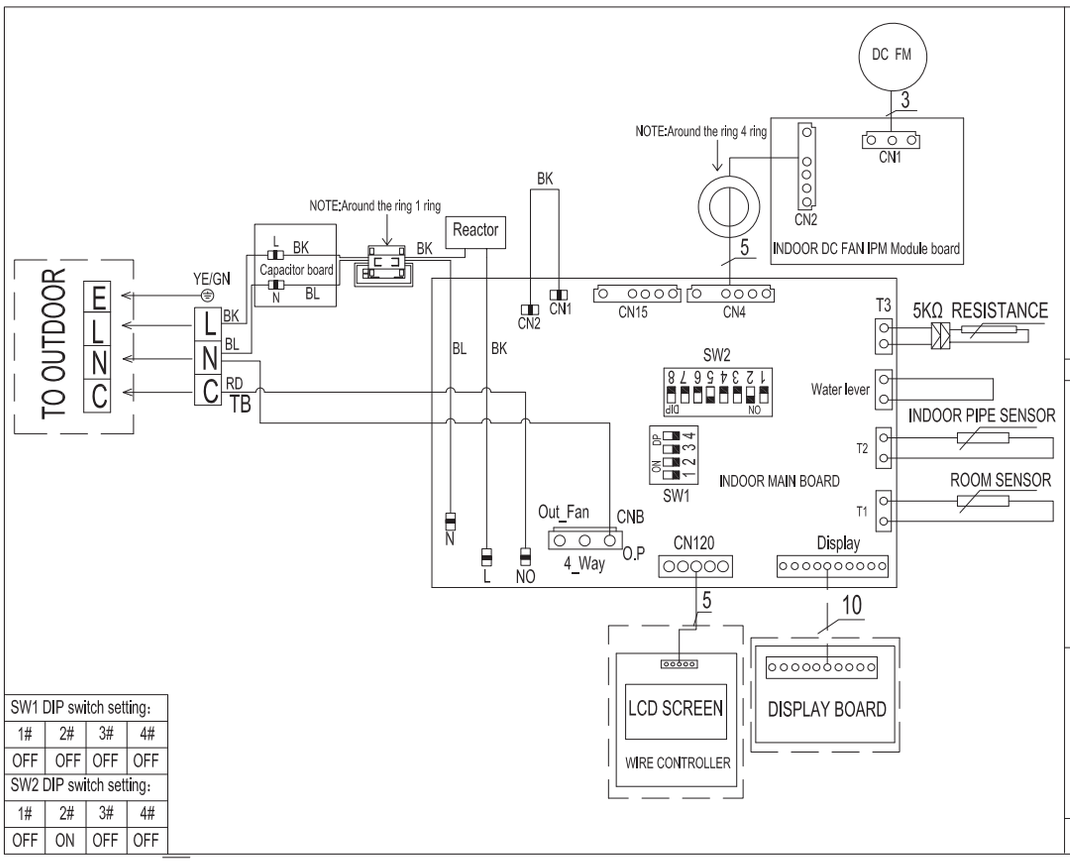
LEGEND

L	=	LINE
N	=	NEUTRAL
C	=	COMPRESSOR
FM	=	FAN MOTOR
TR	=	TRANSFORMER
TB	=	TERMINAL BLOCK
CN	=	CONNECTION
SW	=	SWITCHING
O.P.	=	OVERLOAD PROT.
⏚	=	EARTHING
———	=	MAIN LINE
– –	=	OPTIONAL LINE
RD	=	RED
BK	=	BLACK
BL	=	BLUE
OR	=	ORANGE
GY	=	GREY
GN	=	GREEN
WH	=	WHITE
YE	=	YELLOW
BR	=	BROWN

WIRING DIAGRAM
INDOOR UNIT
18K COOL ONLY

400368 1BC011D86 00

30/36/42K COOL INDOOR UNIT



SW1 DIP switch setting:			
1#	2#	3#	4#
OFF	OFF	OFF	OFF
SW2 DIP switch setting:			
1#	2#	3#	4#
OFF	ON	OFF	OFF

LEGEND

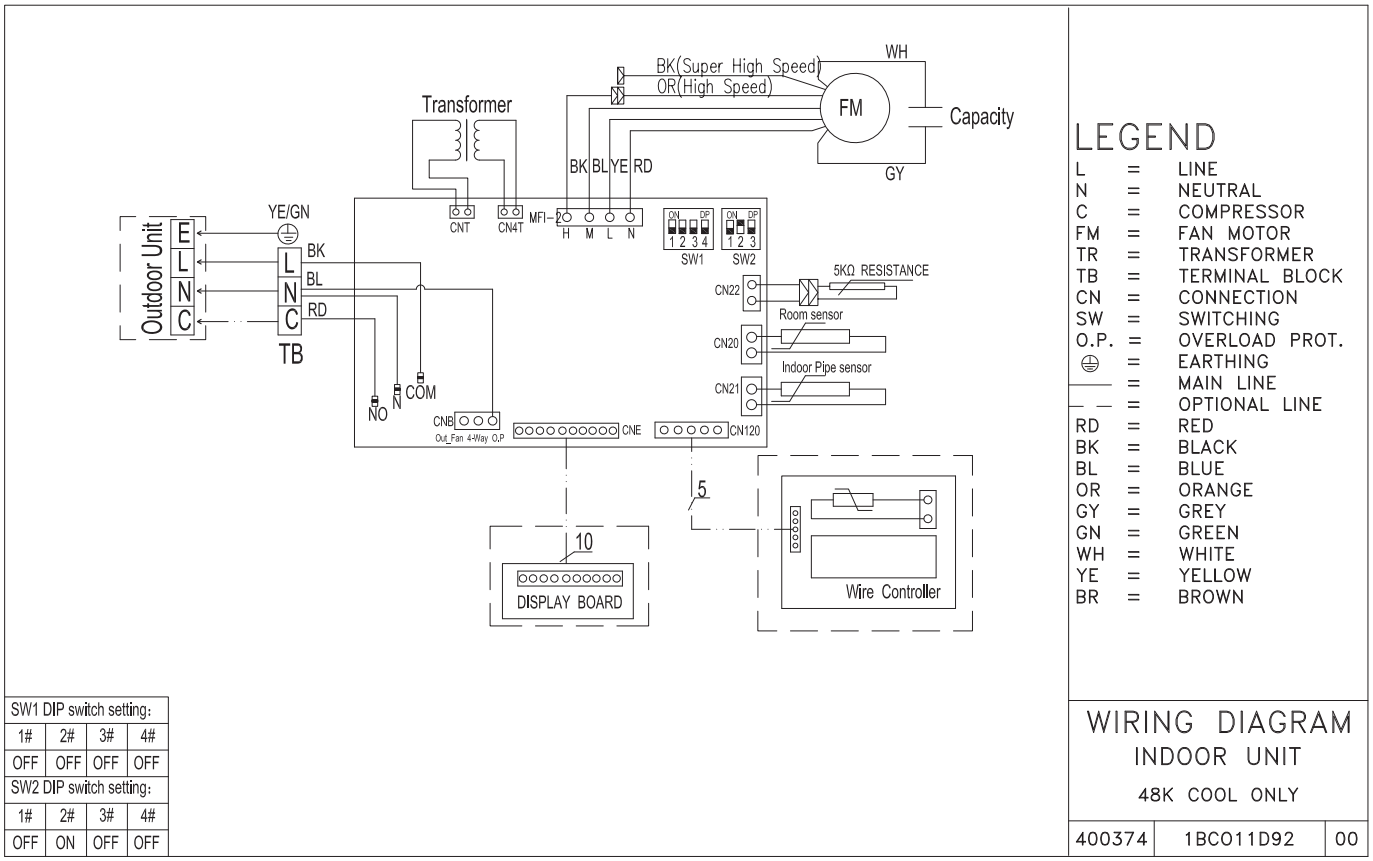
L	=	LINE
N	=	NEUTRAL
C	=	COMPRESSOR
FM	=	FAN MOTOR
TR	=	TRANSFORMER
TB	=	TERMINAL BLOCK
CN	=	CONNECTION
SW	=	SWITCHING
O.P.	=	OVERLOAD PROT.
⏚	=	EARTHING
———	=	MAIN LINE
– –	=	OPTIONAL LINE
RD	=	RED
BK	=	BLACK
BL	=	BLUE
OR	=	ORANGE
GY	=	GREY
GN	=	GREEN
WH	=	WHITE
YE	=	YELLOW
BR	=	BROWN

WIRING DIAGRAM
INDOOR UNIT
30K COOL ONLY

400372 1BC011D90 00

Note: Wiring diagram given above for reference only. Refer wiring diagram pasted on unit for details.

48/60K COOL INDOOR UNIT



SW1 DIP switch setting:			
1#	2#	3#	4#
OFF	OFF	OFF	OFF
SW2 DIP switch setting:			
1#	2#	3#	4#
OFF	ON	OFF	OFF

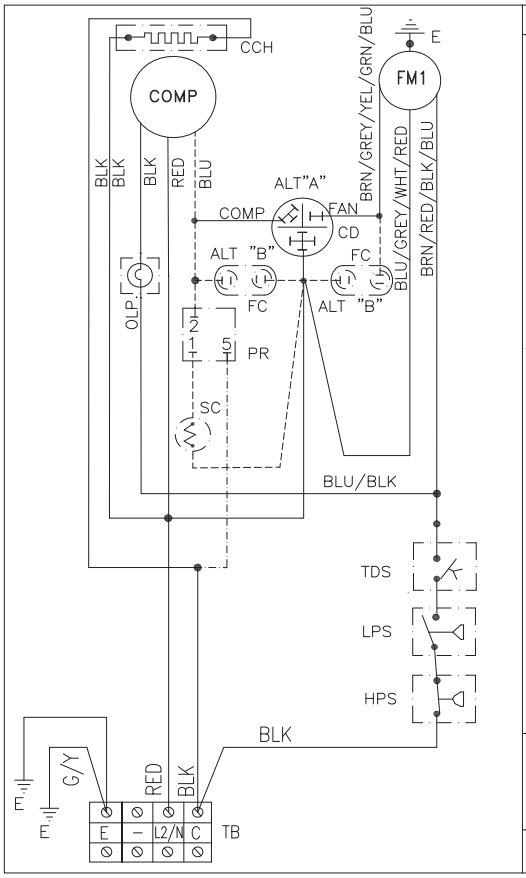
LEGEND

L	=	LINE
N	=	NEUTRAL
C	=	COMPRESSOR
FM	=	FAN MOTOR
TR	=	TRANSFORMER
TB	=	TERMINAL BLOCK
CN	=	CONNECTION
SW	=	SWITCHING
O.P.	=	OVERLOAD PROT.
⏚	=	EARTHING
———	=	MAIN LINE
— —	=	OPTIONAL LINE
RD	=	RED
BK	=	BLACK
BL	=	BLUE
OR	=	ORANGE
GY	=	GREY
GN	=	GREEN
WH	=	WHITE
YE	=	YELLOW
BR	=	BROWN

WIRING DIAGRAM
INDOOR UNIT
48K COOL ONLY

400374	1BC011D92	00

18/24K COOL OUTDOOR UNIT



LEGEND

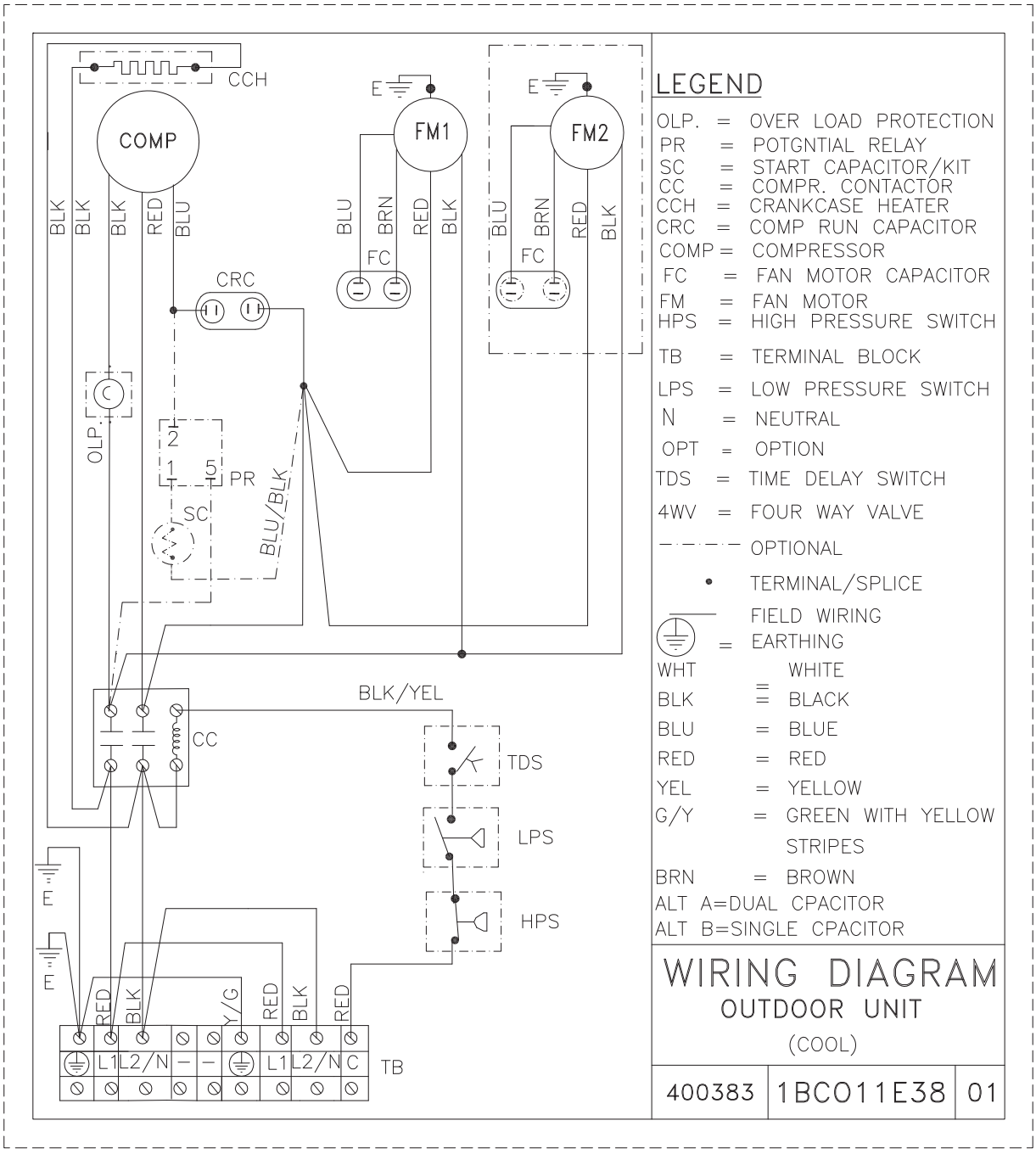
OLP.	=	OVER LOAD PROTECTION
SC	=	START CAPACITOR/KIT
PR	=	POTGNTIAL RELAY
CC	=	COMPR. CONTACTOR
CCH	=	CRANKCASE HEATER
COMP	=	COMPRESSOR
FC	=	FAN MOTOR CAPACITOR
FM	=	FAN MOTOR
HPS	=	HIGH PRESSURE SWITCH
TB	=	TERMINAL BLOCK
LPS	=	LOW PRESSURE SWITCH
N	=	NEUTRAL
OPT	=	OPTION
TDS	=	TIME DELAY SWITCH
4WV	=	FOUR WAY VALVE
— · —		OPTIONAL
•		TERMINAL/SPLICE
———		FIELD WIRING
⏚	=	EARTHING
WHT	=	WHITE
BLK	=	BLACK
BLU	=	BLUE
RED	=	RED
YEL	=	YELLOW
G/Y	=	GREEN WITH YELLOW STRIPES
BRN	=	BROWN
ALT"A"	=	DUAL CAPACITOR
ALT"B"	=	SINGLE CAPACITOR

WIRING DIAGRAM
OUTDOOR UNIT
(COOL)

400100	1BC011415	09

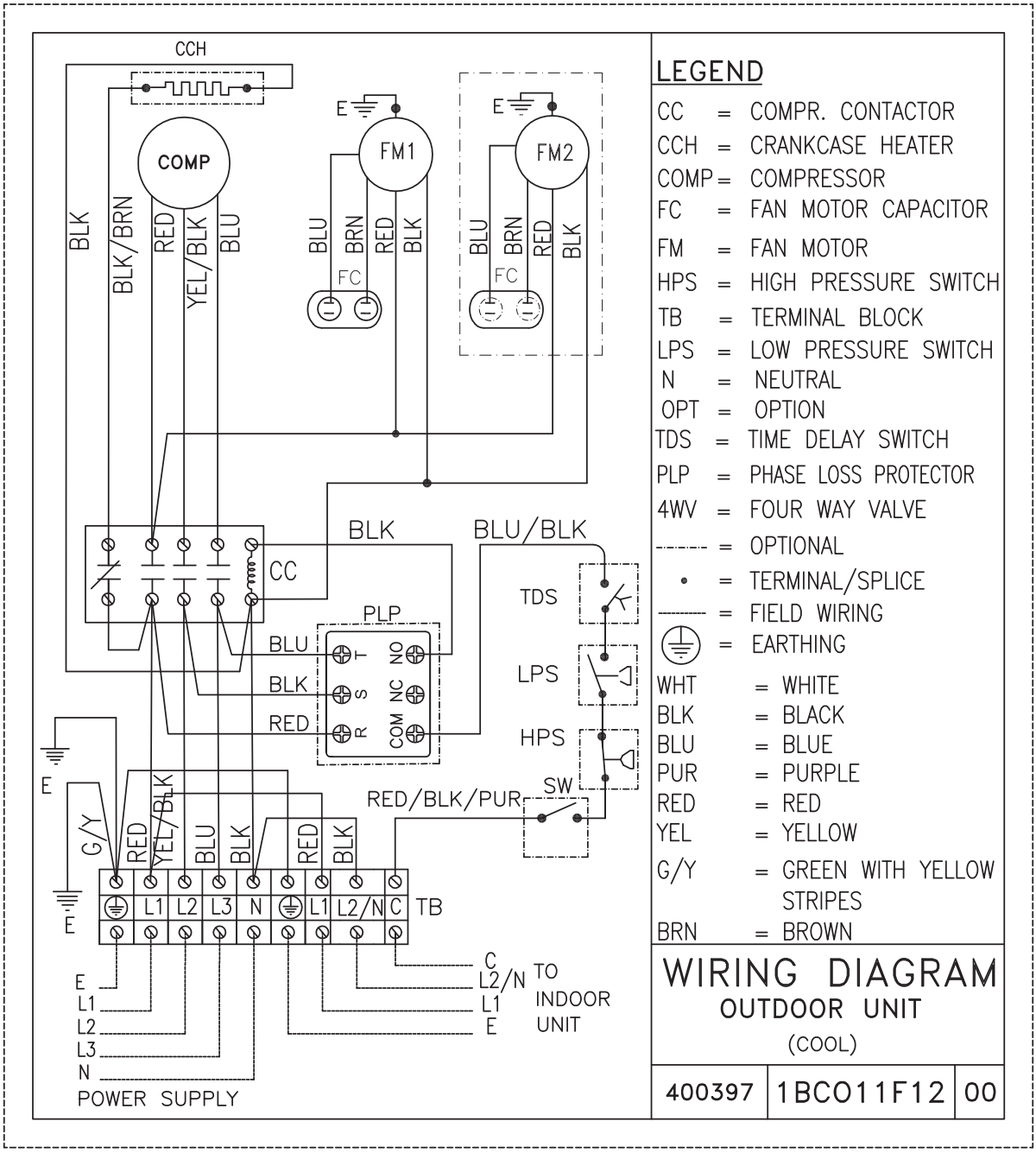
Note: Wiring diagram given above for reference only. Refer wiring diagram pasted on unit for details.

WIRING DIAGRAM-OUTDOOR UNIT
30/36 COOL ONLY



Note: Wiring diagram given above for reference only. Refer wiring diagram pasted on unit for details.

WIRING DIAGRAM-OUTDOOR UNIT
42/48/60 COOL ONLY 3 PHASE



Note: Wiring diagram given above for reference only. Refer wiring diagram pasted on unit for details.

ESMA DUCTED / Version 3 / Nov 17

AWAL GULF

Corporate Head Office:
Tel: +973 17 738 333 - Fax: +973 17 731 541
P.O. Box 15919, Manama - Kingdom of Bahrain
export@awalgulf.com.bh - www.awalgulf.com

@awalgulfmanufacturing
@AwalGulfManufacturing
Awal Gulf Manufacturing