



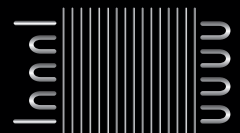
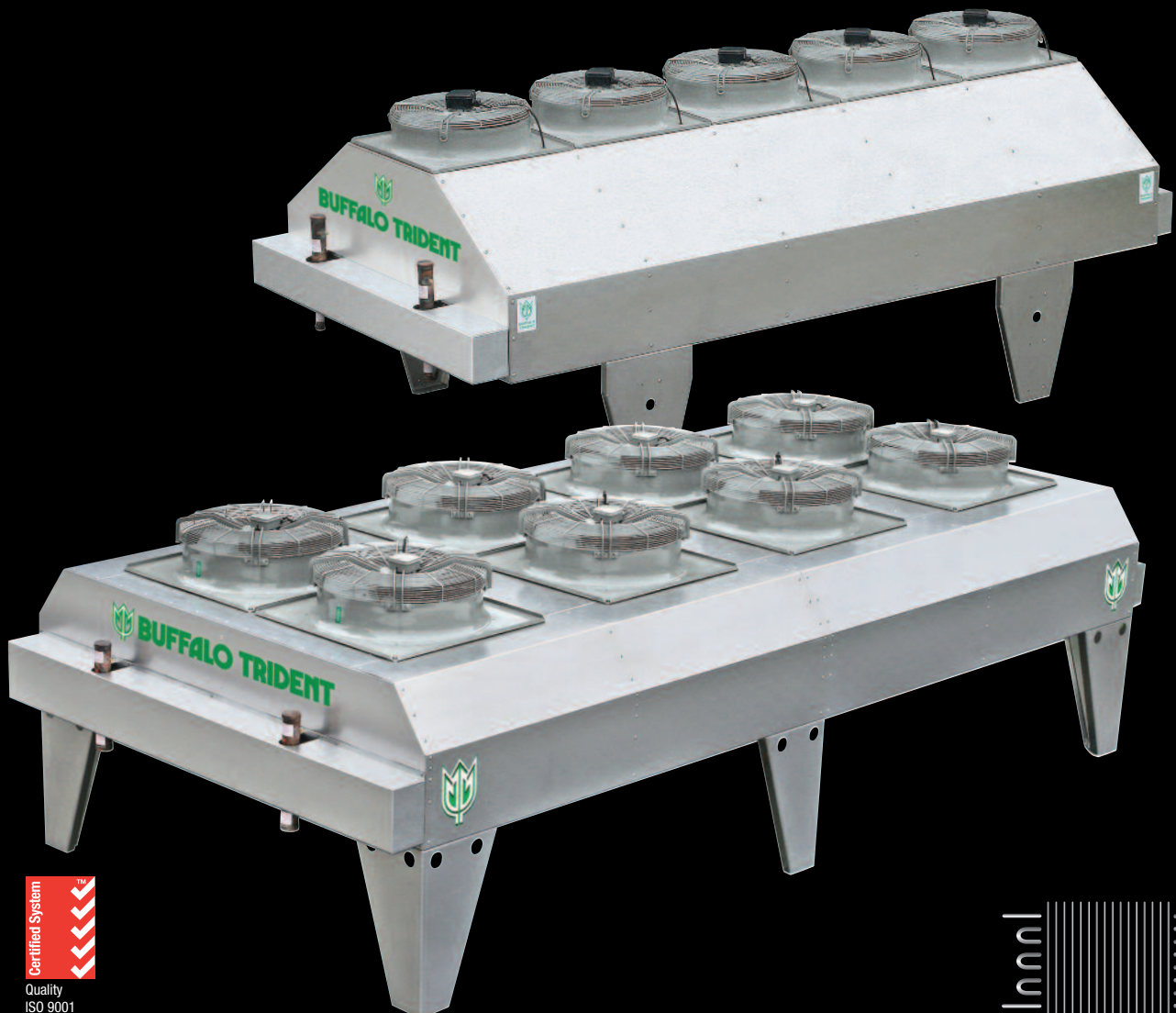
THE HEART OF FRESHNESS

DELTA SERIES

AIR COOLED CONDENSERS

Innovation in
Condenser Design

DELTA Series





CONDENSER CAPACITY – DV/DH SERIES B

Condenser Capacity – Total Heat Rejection (Kilowatts)

4 Pole Motors – “4P”

R22 High Speed (Connect in Delta Δ)						
TD/K	Model DV/DH					
	110B	121B	137B	165B	192B	220B
1	9.107	10.061	11.383	13.660	15.936	18.213
5	45.533	50.307	56.916	68.299	79.682	91.065
10	91.065	100.614	113.833	136.599	159.365	182.131
15	136.598	150.920	170.749	204.898	239.047	273.196
20	182.131	201.227	227.666	273.197	318.729	364.262
Low Speed (Connect in Star $\star$)						
1	6.485	7.400	8.106	9.728	11.349	12.970
5	32.426	37.002	40.532	48.638	56.745	64.849
10	64.851	74.005	81.064	97.276	113.489	129.698
15	97.277	111.007	121.595	145.914	170.234	194.546
20	129.703	148.010	162.127	194.553	226.978	259.395

6 Pole Motors – “Q”

R22 High Speed (Connect in Delta Δ)						
TD/K	Model DV/DH					
	110B-Q	121B-Q	137B-Q	165B-Q	192B-Q	220B-Q
1	6.678	7.845	8.348	10.017	11.687	13.356
5	33.391	39.227	41.739	50.086	58.434	66.781
10	66.781	78.453	83.477	100.172	116.867	133.563
15	100.172	117.680	125.216	150.258	175.301	200.344
20	133.563	156.906	166.955	200.344	233.735	267.125
Low Speed (Connect in Star $\star$)						
1	5.037	5.748	6.296	7.555	8.815	10.074
5	25.185	28.740	31.481	37.777	44.073	50.368
10	50.370	57.480	62.962	75.554	88.147	100.736
15	75.555	86.219	94.443	113.332	132.220	151.104
20	100.740	114.959	125.924	151.109	176.294	201.472

R404A High Speed (Connect in Delta Δ)						
TD/K	Model DV/DH					
	110B	121B	137B	165B	192B	220B
1	9.562	10.564	11.952	14.343	16.733	19.124
5	47.809	52.822	59.762	71.714	83.666	95.619
10	95.619	105.644	119.525	143.428	167.333	191.237
15	143.428	158.466	179.287	215.143	250.999	286.856
20	191.237	211.289	239.049	286.857	334.666	382.475
Low Speed (Connect in Star $\star$)						
1	6.809	7.771	8.512	10.214	11.916	13.618
5	34.047	38.853	42.558	51.070	59.582	68.091
10	68.094	77.705	85.117	102.140	119.163	136.182
15	102.141	116.558	127.675	153.210	178.745	204.274
20	136.188	155.410	170.234	204.280	238.327	272.365

R404A High Speed (Connect in Delta Δ)						
TD/K	Model DV/DH					
	110B-Q	121B-Q	137B-Q	165B-Q	192B-Q	220B-Q
1	7.012	8.238	8.765	10.518	12.271	14.024
5	35.060	41.188	43.826	52.590	61.355	70.120
10	70.120	82.376	87.651	105.181	122.711	140.241
15	105.181	123.564	131.477	157.771	184.066	210.361
20	140.241	164.752	175.303	210.362	245.422	280.482
Low Speed (Connect in Star $\star$)						
1	5.289	6.035	6.611	7.933	9.255	10.577
5	26.444	30.177	33.055	39.666	46.277	52.886
10	52.889	60.354	66.110	79.332	92.554	105.773
15	79.333	90.530	99.165	118.998	138.831	158.659
20	105.777	120.707	132.220	158.664	185.108	211.546

R407C High Speed (Connect in Delta Δ)						
TD/K	Model DV/DH					
	110B	121B	137B	165B	192B	220B
1	8.833	9.760	11.042	13.250	15.458	17.667
5	44.167	48.798	55.209	66.250	77.292	88.334
10	88.334	97.595	110.418	132.501	154.584	176.667
15	132.500	146.393	165.627	198.751	231.876	265.001
20	176.667	195.190	220.836	265.001	309.168	353.334
Low Speed (Connect in Star $\star$)						
1	6.292	7.178	7.863	9.436	11.008	12.581
5	31.453	35.892	39.316	47.179	55.042	62.903
10	62.906	71.785	78.632	94.358	110.084	125.807
15	94.359	107.677	117.948	141.537	165.127	188.710
20	125.812	143.570	157.263	188.716	220.169	251.613

R407C High Speed (Connect in Delta Δ)						
TD/K	Model DV/DH					
	110B-Q	121B-Q	137B-Q	165B-Q	192B-Q	220B-Q
1	6.478	7.610	8.097	9.717	11.336	12.956
5	32.389	38.050	40.487	48.584	56.681	64.778
10	64.778	76.100	80.973	97.167	113.361	129.556
15	97.167	114.149	121.460	145.751	170.042	194.334
20	129.556	152.199	161.946	194.334	226.723	259.112
Low Speed (Connect in Star $\star$)						
1	4.886	5.576	6.107	7.329	8.550	9.771
5	24.429	27.878	30.537	36.644	42.751	48.857
10	48.859	55.755	61.073	73.288	85.502	97.714
15	73.288	83.633	91.610	109.932	128.254	146.571
20	97.718	111.510	122.146	146.576	171.005	195.428

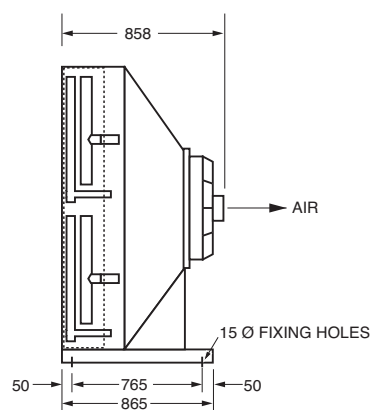
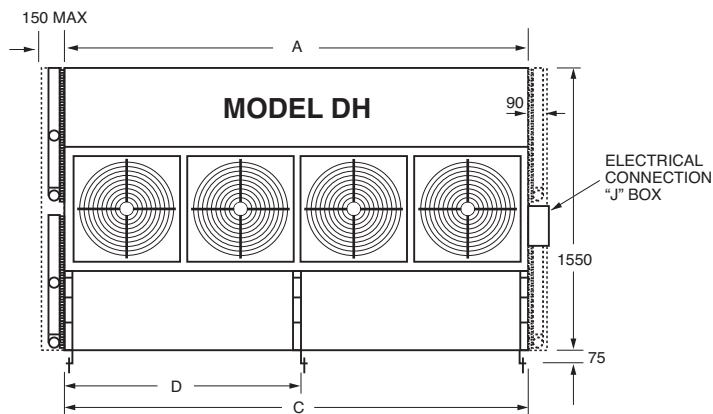
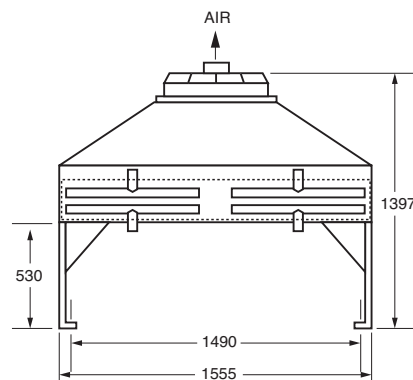
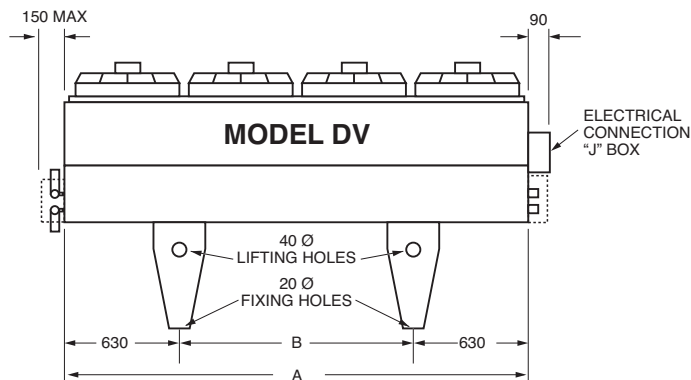
R134a High Speed (Connect in Delta Δ)						
TD/K	Model DV/DH					
	110B	121B	137B	165B	192B	220B
1	8.742	9.659	10.928	13.113	15.299	17.485
5	43.711	48.295	54.640	65.567	76.495	87.423
10	87.423	96.589	109.280	131.135	152.990	174.846
15	131.134	144.884	163.919	196.702	229.485	262.269
20	174.846	193.178	218.559	262.269	305.980	349.691
Low Speed (Connect in Star $\star$)						
1	6.226	7.104	7.782	9.339	10.895	12.451
5	31.129	35.522	38.911	46.693	54.475	62.255
10	62.257	71.045	77.821	93.385	108.949	124.510
15	93.386	106.567	116.732	140.078	163.424	186.765
20	124.515	142.090	155.642	186.770	217.899	249.019

R134a High Speed (Connect in Delta Δ)						
TD/K	Model DV/DH					
	110B-Q	121B-Q	137B-Q	165B-Q	192B-Q	220B-Q
1	6.411	7.532	8.014	9.617	11.219	12.822
5	32.055	37.658	40.069	48.083	56.096	64.110
10	64.110	75.315	80.138	96.165	112.193	128.220
15	96.165	112.973	120.208	144.248	168.289	192.330
20	128.220	150.630	160.277	192.331	224.386	256.440
Low Speed (Connect in Star $\star$)						
1	4.836	5.518	6.044	7.253	8.462	9.671
5	24.178	27.590	30.222	36.266	42.310	48.353
10	48.355	55.180	60.444	72.532	84.621	96.707
15	72.533	82.771	90.665	108.798	126.931	145.060
20	96.710	110.361	120.887	145.064	169.242	193.413

Capacity Correction Factors

REFRIGERANT	R22	R507A	R407B
CAPACITY MULTIPLIER	1.000	1.045	0.975

SPECIFICATIONS – DV/DH SERIES B



Technical Data

MODEL	110B	121B	137B	165B	192B	220B
Air Flow High l/sec	9031	11710	11289	13547	15804	18062
Air Flow Low l/sec	5939	7720	7424	8909	10393	11878
No. of Motors (500mm)	4	5	5	6	7	8
Motor Power: High Speed						
Total Watts - 3 Phase	3160	3950	3950	4740	5530	6320
Total Amps - 3 Phase, 400V*	5.8	7.3	7.3	8.7	10.2	11.6
Total Amps - 3 Phase, 440V	6.0	7.5	7.5	9.0	10.5	12.0
Motor Power: Low Speed						
Total Watts - 3 Phase	1960	2450	2450	2940	3430	3920
Total Amps - 3 Phase, 400V*	3.6	4.5	4.5	5.3	6.2	7.1
Total Amps - 3 Phase, 440V	3.6	4.5	4.5	5.4	6.3	7.2

MODEL	110B-Q	121B-Q	137B-Q	165B-Q	192B-Q	220B-Q
Air Flow High l/sec	6008	7828	7510	9012	10514	12016
Air Flow Low l/sec	4232	5582	5290	6348	7406	8464
No. of Motors (500mm)	4	5	5	6	7	8
Motor Power: High Speed						
Total Watts - 3 Phase	1120	1400	1400	1680	1960	2240
Total Amps - 3 Phase, 400V*	2.8	3.5	3.5	4.2	4.9	5.6
Total Amps - 3 Phase, 440V	3.2	4.0	4.0	4.8	5.6	6.4
Motor Power: Low Speed						
Total Watts - 3 Phase	560	700	700	840	980	1120
Total Amps - 3 Phase, 400V*	1.3	1.7	1.7	2.0	2.3	2.6
Total Amps - 3 Phase, 440V	1.8	2.3	2.3	2.8	3.2	3.7

* Based on Manufacturers Nominal Data. (3Ph, 400V $\pm 10\%$, 50Hz).

Note - Actual amps may vary in application.

Physical Data (All Series)

MODEL	110B	121B	137B	165B	192B	220B
No. of Rows	4	3	4	4	4	4
Tubes High/Wide	48	48	48	48	48	48
Inlet Connections mm	41	41	54	54	54	54
Outlet Connections mm	32	32	32	32	35	41
*Operating Charge R22 (kg)	9.84	9.41	12.23	14.61	17.00	19.36
** Pump Down Capacity (kg)	52.88	49.21	65.67	78.5	91.34	104.02
Weight Unpacked (kg)	318	364	397	477	557	636
Dimensions (mm):						
A	2440	3048	3048	3658	4267	4877
B	1180	1788	1788	2398	3007	3617
C	2408	3016	3016	3626	4235	4845
D	—	—	—	1829	2439	2439

* Based on -4°C SST, $+25^{\circ}\text{C}$ Suction gas temp., 40°C Condensing, and 2°C Sub cooling.

** Pump down capacity based on 80% of total volume – Refrigerant R22.



CONDENSER CAPACITY – LDV/LDH 4 POLE SERIES B

Condenser Capacity – Total Heat Rejection (Kilowatts)

R22		LDV/LDH High Speed (Connect in Delta Δ)											
TD/K	227B	252B	273B	302B	340B	378B	409B	454B	505B	547B	568B	631B	684B
1	16.3	18.0	19.2	21.4	24.5	27.0	28.7	32.7	36.0	38.4	40.8	45.0	48.0
5	81.7	90.1	96.0	106.8	122.5	134.8	143.6	163.3	180.1	192.0	204.2	225.2	240.0
10	163.3	180.1	192.0	213.5	245.0	269.6	287.2	326.6	360.3	384.0	408.3	450.4	480.0
15	245.0	270.2	288.0	320.3	367.5	404.5	430.8	490.0	540.4	576.0	612.5	675.5	720.0
20	326.6	360.3	384.0	427.0	490.0	539.3	574.4	653.3	720.5	768.0	816.7	900.7	960.1
Low Speed (Connect in Star $\star$)													
1	13.7	14.9	15.6	18.1	20.5	22.3	23.4	27.3	29.8	31.2	34.2	37.2	38.9
5	68.4	74.3	77.9	90.4	102.5	111.6	116.8	136.7	148.8	155.8	170.9	186.1	194.7
10	136.7	148.6	155.8	180.7	205.1	223.3	233.7	273.5	297.7	311.6	341.8	372.1	389.4
15	205.1	222.9	233.6	271.1	307.6	334.9	350.5	410.2	446.5	467.4	512.8	558.2	584.2
20	273.5	297.2	311.5	361.4	410.1	446.5	467.4	546.9	595.3	623.1	683.7	744.2	778.9

R404A		LDV/LDH High Speed (Connect in Delta Δ)											
TD/K	227B	252B	273B	302B	340B	378B	409B	454B	505B	547B	568B	631B	684B
1	17.1	18.9	20.2	22.5	25.7	28.3	30.2	34.3	37.8	40.3	42.9	47.3	50.4
5	85.7	94.6	100.8	112.1	128.6	141.6	150.8	171.5	189.1	201.6	214.4	236.4	252.0
10	171.5	189.1	201.6	224.2	257.2	283.1	301.6	343.0	378.3	403.2	428.8	472.9	504.0
15	257.2	283.7	302.4	336.3	385.8	424.7	452.3	514.4	567.4	604.8	643.1	709.3	756.0
20	343.0	378.3	403.2	448.4	514.4	566.2	603.1	685.9	756.6	806.4	857.5	945.8	1008.1
Low Speed (Connect in Star $\star$)													
1	14.4	15.6	16.4	19.0	21.5	23.4	24.5	28.7	31.3	32.7	35.9	39.1	40.9
5	71.8	78.0	81.8	94.9	107.7	117.2	122.7	143.6	156.3	163.6	179.5	195.4	204.5
10	143.6	156.0	163.5	189.8	215.3	234.4	245.4	287.1	312.5	327.1	358.9	390.7	408.9
15	215.3	234.0	245.3	284.7	323.0	351.6	368.1	430.7	468.8	490.7	538.4	586.1	613.4
20	287.1	312.0	327.1	379.6	430.6	468.8	490.7	574.2	625.1	654.3	717.9	781.4	817.8

R407C		LDV/LDH High Speed (Connect in Delta Δ)											
TD/K	227B	252B	273B	302B	340B	378B	409B	454B	505B	547B	568B	631B	684B
1	15.8	17.5	18.6	20.8	23.8	26.2	27.9	31.7	34.9	37.2	39.6	43.7	46.6
5	79.2	87.4	93.1	103.6	118.8	130.8	139.3	158.4	174.7	186.2	198.0	218.4	232.8
10	158.4	174.7	186.2	207.1	237.6	261.6	278.6	316.8	349.5	372.5	396.1	436.9	465.6
15	237.6	262.1	279.3	310.7	356.4	392.3	417.9	475.3	524.2	558.7	594.1	655.3	698.4
20	316.8	349.5	372.5	414.2	475.3	523.1	557.2	633.7	698.9	744.9	792.2	873.7	931.3
Low Speed (Connect in Star $\star$)													
1	13.3	14.4	15.1	17.6	19.9	21.7	22.7	26.5	28.9	30.2	33.2	36.1	37.8
5	66.3	72.1	75.5	87.7	99.5	108.3	113.3	132.6	144.4	151.1	165.8	180.5	188.9
10	132.6	144.1	151.1	175.3	198.9	216.6	226.7	265.2	288.7	302.2	331.6	361.0	377.8
15	198.9	216.2	226.6	263.0	298.4	324.8	340.0	397.9	433.1	453.3	497.4	541.4	566.6
20	265.2	288.3	302.2	350.6	397.8	433.1	453.4	530.5	577.5	604.4	663.2	721.9	755.5

R134a		LDV/LDH High Speed (Connect in Delta Δ)											
TD/K	227B	252B	273B	302B	340B	378B	409B	454B	505B	547B	568B	631B	684B
1	15.7	17.3	18.4	20.5	23.5	25.9	27.6	31.4	34.6	36.9	39.2	43.2	46.1
5	78.4	86.5	92.2	102.5	117.6	129.4	137.9	156.8	172.9	184.3	196.0	216.2	230.4
10	156.8	172.9	184.3	205.0	235.2	258.9	275.7	313.6	345.9	368.6	392.0	432.3	460.8
15	235.2	259.4	276.5	307.5	352.8	388.3	413.6	470.4	518.8	552.9	588.0	648.5	691.2
20	313.6	345.9	368.6	410.0	470.4	517.7	551.4	627.1	691.7	737.2	784.0	864.7	921.7
Low Speed (Connect in Star $\star$)													
1	13.1	14.3	15.0	17.4	19.7	21.4	22.4	26.3	28.6	29.9	32.8	35.7	37.4
5	65.6	71.3	74.8	86.8	98.4	107.2	112.2	131.3	142.9	149.6	164.1	178.6	186.9
10	131.3	142.6	149.5	173.5	196.9	214.3	224.3	262.5	285.8	299.1	328.2	357.2	373.9
15	196.9	214.0	224.3	260.3	295.3	321.5	336.5	393.8	428.6	448.7	492.2	535.9	560.8
20	262.5	285.3	299.1	347.0	393.7	428.7	448.7	525.0	571.5	598.2	656.3	714.5	747.7

Capacity Correction Factors

REFRIG.	R22	R507A	R407B
CAP. MULT.	1.000	1.045	0.975



CONDENSER CAPACITY – LDV/LDH 6 POLE SERIES B

Condenser Capacity – Total Heat Rejection (Kilowatts)

R22		LDV/LDH High Speed (Connect in Delta Δ)											
TD/K	227B-Q	252B-Q	273B-Q	302B-Q	340B-Q	378B-Q	409B-Q	454B-Q	505B-Q	547B-Q	568B-Q	631B-Q	684B-Q
1	16.2	17.6	18.4	22.5	24.3	26.3	27.6	32.4	35.2	36.9	40.5	44.0	46.1
5	81.1	88.0	92.2	112.3	121.6	131.7	137.9	162.1	175.9	184.3	202.7	219.9	230.4
10	162.1	175.9	184.3	224.6	243.2	263.3	275.7	324.2	351.9	368.7	405.3	439.8	460.9
15	243.2	263.9	276.5	336.9	364.7	395.0	413.6	486.3	527.8	553.0	608.0	659.8	691.3
20	324.2	351.9	368.7	449.2	486.3	526.7	551.5	648.4	703.7	737.3	810.6	879.7	921.7
Low Speed (Connect in Star $\star$)													
1	13.8	14.6	15.1	19.5	20.7	21.9	22.7	27.5	29.2	30.2	34.4	36.6	37.8
5	68.9	73.0	75.6	97.4	103.3	109.6	113.4	137.7	146.2	151.2	172.2	182.8	189.0
10	137.7	146.0	151.2	194.7	206.6	219.3	226.8	275.5	292.4	302.4	344.4	365.5	378.0
15	206.6	218.9	226.7	292.1	309.9	328.9	340.2	413.2	438.6	453.6	516.6	548.3	566.9
20	275.5	291.9	302.3	389.4	413.2	438.6	453.6	551.0	584.7	604.8	688.8	731.0	755.9

R404A		LDV/LDH High Speed (Connect in Delta Δ)											
TD/K	227B-Q	252B-Q	273B-Q	302B-Q	340B-Q	378B-Q	409B-Q	454B-Q	505B-Q	547B-Q	568B-Q	631B-Q	684B-Q
1	17.0	18.5	19.4	23.6	25.5	27.7	29.0	34.0	36.9	38.7	42.6	46.2	48.4
5	85.1	92.4	96.8	118.0	127.7	138.3	144.8	170.2	184.7	193.5	212.8	230.9	242.0
10	170.2	184.7	193.5	235.9	255.3	276.5	289.5	340.4	369.4	387.1	425.6	461.8	483.9
15	255.3	277.1	290.3	353.9	383.0	414.8	434.3	510.6	554.2	580.6	638.4	692.7	725.9
20	340.4	369.4	387.1	471.8	510.6	553.0	579.0	680.8	738.9	774.2	851.2	923.7	967.8
Low Speed (Connect in Star $\star$)													
1	14.5	15.3	15.9	20.5	21.7	23.0	23.8	28.9	30.7	31.7	36.2	38.4	39.7
5	72.3	76.6	79.4	102.3	108.5	115.1	119.1	144.6	153.5	158.7	180.8	191.9	198.4
10	144.6	153.2	158.7	204.5	216.9	230.3	238.1	289.3	307.0	317.5	361.6	383.8	396.9
15	216.9	229.9	238.1	306.8	325.4	345.4	357.2	433.9	460.5	476.2	542.4	575.7	595.3
20	289.3	306.5	317.4	409.0	433.8	460.5	476.3	578.5	614.0	635.0	723.2	767.6	793.7

R407C		LDV/LDH High Speed (Connect in Delta Δ)											
TD/K	227B-Q	252B-Q	273B-Q	302B-Q	340B-Q	378B-Q	409B-Q	454B-Q	505B-Q	547B-Q	568B-Q	631B-Q	684B-Q
1	15.7	17.1	17.9	21.8	23.6	25.5	26.7	31.4	34.1	35.8	39.3	42.7	44.7
5	78.6	85.3	89.4	109.0	117.9	127.7	133.7	157.2	170.6	178.8	196.6	213.3	223.5
10	157.2	170.6	178.8	217.9	235.9	255.4	267.5	314.5	341.3	357.6	393.2	426.6	447.0
15	235.9	256.0	268.2	326.9	353.8	383.2	401.2	471.7	511.9	536.4	589.7	640.0	670.6
20	314.5	341.3	357.6	435.8	471.7	510.9	534.9	629.0	682.6	715.2	786.3	853.3	894.1
Low Speed (Connect in Star $\star$)													
1	13.4	14.2	14.7	18.9	20.0	21.3	22.0	26.7	28.4	29.3	33.4	35.5	36.7
5	66.8	70.8	73.3	94.5	100.2	106.4	110.0	133.6	141.8	146.7	167.0	177.3	183.3
10	133.6	141.6	146.6	188.9	200.4	212.7	220.0	267.2	283.6	293.3	334.0	354.5	366.6
15	200.4	212.4	219.9	283.4	300.6	319.1	330.0	400.8	425.4	440.0	501.1	531.8	549.9
20	267.2	283.1	293.3	377.8	400.8	425.4	440.0	534.4	567.2	586.6	668.1	709.1	733.2

R134a		LDV/LDH High Speed (Connect in Delta Δ)											
TD/K	227B-Q	252B-Q	273B-Q	302B-Q	340B-Q	378B-Q	409B-Q	454B-Q	505B-Q	547B-Q	568B-Q	631B-Q	684B-Q
1	15.6	16.9	17.7	21.6	23.3	25.3	26.5	31.1	33.8	35.4	38.9	42.2	44.2
5	77.8	84.4	88.5	107.9	116.7	126.4	132.4	155.6	168.9	177.0	194.6	211.1	221.2
10	155.6	168.9	177.0	215.7	233.4	252.8	264.7	311.2	337.8	353.9	389.1	422.2	442.4
15	233.4	253.3	265.4	323.6	350.1	379.2	397.1	466.9	506.7	530.9	583.7	633.4	663.6
20	311.2	337.8	353.9	431.4	466.9	505.6	529.4	622.5	675.6	707.8	778.2	844.5	884.9
Low Speed (Connect in Star $\star$)													
1	13.2	14.0	14.5	18.7	19.8	21.1	21.8	26.4	28.1	29.0	33.1	35.1	36.3
5	66.1	70.1	72.6	93.5	99.2	105.3	108.9	132.2	140.3	145.1	165.3	175.4	181.4
10	132.2	140.1	145.1	187.0	198.3	210.5	217.7	264.5	280.7	290.3	330.6	350.9	362.8
15	198.3	210.2	217.7	280.5	297.5	315.8	326.6	396.7	421.0	435.4	495.9	526.3	544.3
20	264.5	280.2	290.2	374.0	396.6	421.0	435.5	528.9	561.4	580.6	661.2	701.8	725.7

Capacity Correction Factors

REFRIG.	R22	R507A	R407B
CAP. MULT.	1.000	1.045	0.975



CONDENSER CAPACITY – LDV/LDH 8 POLE SERIES B

Condenser Capacity – Total Heat Rejection (Kilowatts)

R22		LDV/LDH High Speed (Connect in Delta Δ)											
TD/K	227B-NQ	252B-NQ	273B-NQ	302B-NQ	340B-NQ	378B-NQ	409B-NQ	454B-NQ	505B-NQ	547B-NQ	568B-NQ	631B-NQ	684B-NQ
1	13.6	14.4	15.2	18.4	20.4	21.5	22.7	27.2	28.8	30.4	34.0	36.0	38.0
5	67.9	71.9	75.9	91.7	101.9	107.7	113.6	135.9	143.9	151.9	169.9	179.9	189.8
10	135.9	143.8	151.8	183.3	203.8	215.3	227.2	271.7	287.8	303.7	339.7	359.7	379.7
15	203.8	215.8	227.8	275.0	305.7	323.0	340.7	407.6	431.6	455.6	509.6	539.6	569.5
20	271.8	287.7	303.7	366.6	407.5	430.7	454.3	543.4	575.5	607.5	679.4	719.4	759.4
Low Speed (Connect in Star Δ)													
1	11.6	12.1	12.2	16.0	17.4	18.2	18.3	23.3	24.2	24.4	29.1	30.3	30.4
5	58.2	60.5	60.9	80.0	87.2	90.8	91.4	116.3	121.1	121.8	145.4	151.4	152.2
10	116.3	121.0	121.8	159.9	174.5	181.7	182.7	232.6	242.3	243.6	290.8	302.8	304.5
15	174.5	181.4	182.6	239.9	261.7	272.5	274.1	349.0	363.4	365.4	436.3	454.2	456.7
20	232.6	241.9	243.5	319.8	348.9	363.4	365.4	465.3	484.6	487.2	581.7	605.6	608.9

R404A		LDV/LDH High Speed (Connect in Delta Δ)											
TD/K	227B-NQ	252B-NQ	273B-NQ	302B-NQ	340B-NQ	378B-NQ	409B-NQ	454B-NQ	505B-NQ	547B-NQ	568B-NQ	631B-NQ	684B-NQ
1	14.3	15.1	15.9	19.3	21.4	22.6	23.9	28.5	30.2	31.9	35.7	37.8	39.9
5	71.3	75.5	79.7	96.3	107.0	113.0	119.3	142.7	151.1	159.5	178.3	188.8	199.3
10	142.7	151.0	159.4	192.5	214.0	226.1	238.5	285.3	302.1	318.9	356.7	377.7	398.7
15	214.0	226.6	239.2	288.8	320.9	339.1	357.8	428.0	453.2	478.4	535.0	566.5	598.0
20	285.4	302.1	318.9	385.0	427.9	452.2	477.0	570.6	604.3	637.9	713.4	755.4	797.4
Low Speed (Connect in Star Δ)													
1	12.2	12.7	12.8	16.8	18.3	19.1	19.2	24.4	25.4	25.6	30.5	31.8	32.0
5	61.1	63.5	63.9	84.0	91.6	95.4	95.9	122.1	127.2	127.9	152.7	159.0	159.8
10	122.1	127.0	127.8	167.9	183.2	190.8	191.8	244.3	254.4	255.8	305.4	318.0	319.7
15	183.2	190.5	191.8	251.9	274.8	286.1	287.8	366.4	381.6	383.6	458.1	476.9	479.5
20	244.3	254.0	255.7	335.8	366.4	381.5	383.7	488.6	508.8	511.5	610.8	635.9	639.4

R407C		LDV/LDH High Speed (Connect in Delta Δ)											
TD/K	227B-NQ	252B-NQ	273B-NQ	302B-NQ	340B-NQ	378B-NQ	409B-NQ	454B-NQ	505B-NQ	547B-NQ	568B-NQ	631B-NQ	684B-NQ
1	13.2	14.0	14.7	17.8	19.8	20.9	22.0	26.4	27.9	29.5	33.0	34.9	36.8
5	65.9	69.8	73.6	89.0	98.8	104.4	110.2	131.8	139.6	147.3	164.8	174.5	184.2
10	131.8	139.5	147.3	177.9	197.7	208.9	220.3	263.6	279.1	294.6	329.5	348.9	368.3
15	197.7	209.3	220.9	266.9	296.5	313.3	330.5	395.3	418.7	441.9	494.3	523.4	552.5
20	263.6	279.1	294.6	355.8	395.3	417.7	440.7	527.1	558.2	589.3	659.0	697.8	736.6
Low Speed (Connect in Star Δ)													
1	11.3	11.7	11.8	15.6	16.9	17.6	17.7	22.6	23.5	23.6	28.2	29.4	29.5
5	56.4	58.7	59.1	77.6	84.6	88.1	88.6	112.8	117.5	118.1	141.1	146.9	147.7
10	112.8	117.3	118.1	155.2	169.2	176.2	177.2	225.7	235.0	236.3	282.1	293.7	295.3
15	169.2	176.0	177.2	232.8	253.8	264.3	265.8	338.5	352.5	354.4	423.2	440.6	443.0
20	225.7	234.7	236.2	310.4	338.4	352.5	354.4	451.3	470.0	472.6	564.2	587.5	590.7

R134a		LDV/LDH High Speed (Connect in Delta Δ)											
TD/K	227B-NQ	252B-NQ	273B-NQ	302B-NQ	340B-NQ	378B-NQ	409B-NQ	454B-NQ	505B-NQ	547B-NQ	568B-NQ	631B-NQ	684B-NQ
1	13.0	13.8	14.6	17.6	19.6	20.7	21.8	26.1	27.6	29.2	32.6	34.5	36.5
5	65.2	69.0	72.9	88.0	97.8	103.4	109.0	130.4	138.1	145.8	163.1	172.7	182.3
10	130.4	138.1	145.8	176.0	195.6	206.7	218.1	260.8	276.2	291.6	326.1	345.3	364.5
15	195.7	207.1	218.7	264.0	293.4	310.1	327.1	391.3	414.4	437.4	489.2	518.0	546.8
20	260.9	276.2	291.5	352.0	391.2	413.4	436.1	521.7	552.5	583.2	652.2	690.6	729.0
Low Speed (Connect in Star Δ)													
1	11.2	11.6	11.7	15.4	16.7	17.4	17.5	22.3	23.3	23.4	27.9	29.1	29.2
5	55.8	58.1	58.4	76.8	83.7	87.2	87.7	111.7	116.3	116.9	139.6	145.4	146.1
10	111.7	116.1	116.9	153.6	167.5	174.4	175.4	223.3	232.6	233.8	279.2	290.7	292.3
15	167.5	174.2	175.3	230.4	251.2	261.6	263.1	335.0	348.9	350.8	418.8	436.1	438.4
20	223.3	232.2	233.8	307.2	335.0	348.8	350.8	446.7	465.2	467.7	558.4	581.4	584.6

Capacity Correction Factors

REFRIG.	R22	R507A	R407B
CAP. MULT.	1.000	1.045	0.975



CONDENSER CAPACITY – LDV/LDH 8 POLE SERIES B

Condenser Capacity – Total Heat Rejection (Kilowatts)

R22		LDV/LDH High Speed (Connect in Delta Δ)											
TD/K	227B-SQ	252B-SQ	273B-SQ	302B-SQ	340B-SQ	378B-SQ	409B-SQ	454B-SQ	505B-SQ	547B-SQ	568B-SQ	631B-SQ	684B-SQ
1	12.9	13.6	14.3	17.4	19.3	20.4	21.4	25.8	27.3	28.7	32.2	34.1	35.8
5	64.4	68.2	71.6	86.8	96.6	102.1	107.2	128.8	136.4	143.3	161.0	170.5	179.1
10	128.8	136.4	143.3	173.6	193.2	204.1	214.3	257.6	272.7	286.5	322.0	340.9	358.2
15	193.2	204.5	214.9	260.4	289.7	306.2	321.5	386.3	409.1	429.8	483.0	511.4	537.3
20	257.6	272.7	286.5	347.2	386.3	408.2	428.6	515.1	545.5	573.1	644.0	681.9	716.4
Low Speed (Connect in Star $\star$)													
1	9.8	10.1	9.8	13.2	14.7	15.1	14.7	19.6	20.2	19.6	24.4	25.2	24.5
5	48.9	50.4	48.9	65.9	73.3	75.7	73.4	97.8	100.9	97.8	122.2	126.2	122.3
10	97.8	100.8	97.8	131.7	146.6	151.4	146.8	195.5	201.9	195.7	244.4	252.4	244.6
15	146.6	151.2	146.7	197.6	219.9	227.1	220.1	293.3	302.8	293.5	366.6	378.6	366.8
20	195.5	201.6	195.6	263.4	293.2	302.8	293.5	391.0	403.8	391.3	488.8	504.7	489.1

R404A		LDV/LDH High Speed (Connect in Delta Δ)											
TD/K	227B-SQ	252B-SQ	273B-SQ	302B-SQ	340B-SQ	378B-SQ	409B-SQ	454B-SQ	505B-SQ	547B-SQ	568B-SQ	631B-SQ	684B-SQ
1	13.5	14.3	15.0	18.3	20.3	21.4	22.5	27.0	28.6	30.1	33.8	35.8	37.6
5	67.6	71.6	75.2	91.2	101.4	107.2	112.5	135.2	143.2	150.4	169.0	179.0	188.1
10	135.2	143.2	150.4	182.3	202.8	214.3	225.0	270.4	286.4	300.9	338.1	358.0	376.1
15	202.8	214.8	225.6	273.5	304.2	321.5	337.5	405.6	429.5	451.3	507.1	537.0	564.2
20	270.4	286.4	300.9	364.6	405.6	428.7	450.0	540.9	572.7	601.7	676.2	716.0	752.2
Low Speed (Connect in Star $\star$)													
1	10.3	10.6	10.3	13.9	15.4	15.9	15.4	20.5	21.2	20.5	25.7	26.5	25.7
5	51.3	52.9	51.4	69.2	77.0	79.5	77.0	102.6	106.0	102.7	128.3	132.5	128.4
10	102.6	105.8	102.7	138.3	153.9	159.0	154.1	205.3	212.0	205.4	256.6	265.0	256.8
15	154.0	158.7	154.1	207.5	230.9	238.5	231.1	307.9	318.0	308.2	384.9	397.5	385.2
20	205.3	211.6	205.4	276.6	307.9	318.0	308.2	410.6	423.9	410.9	513.2	530.0	513.6

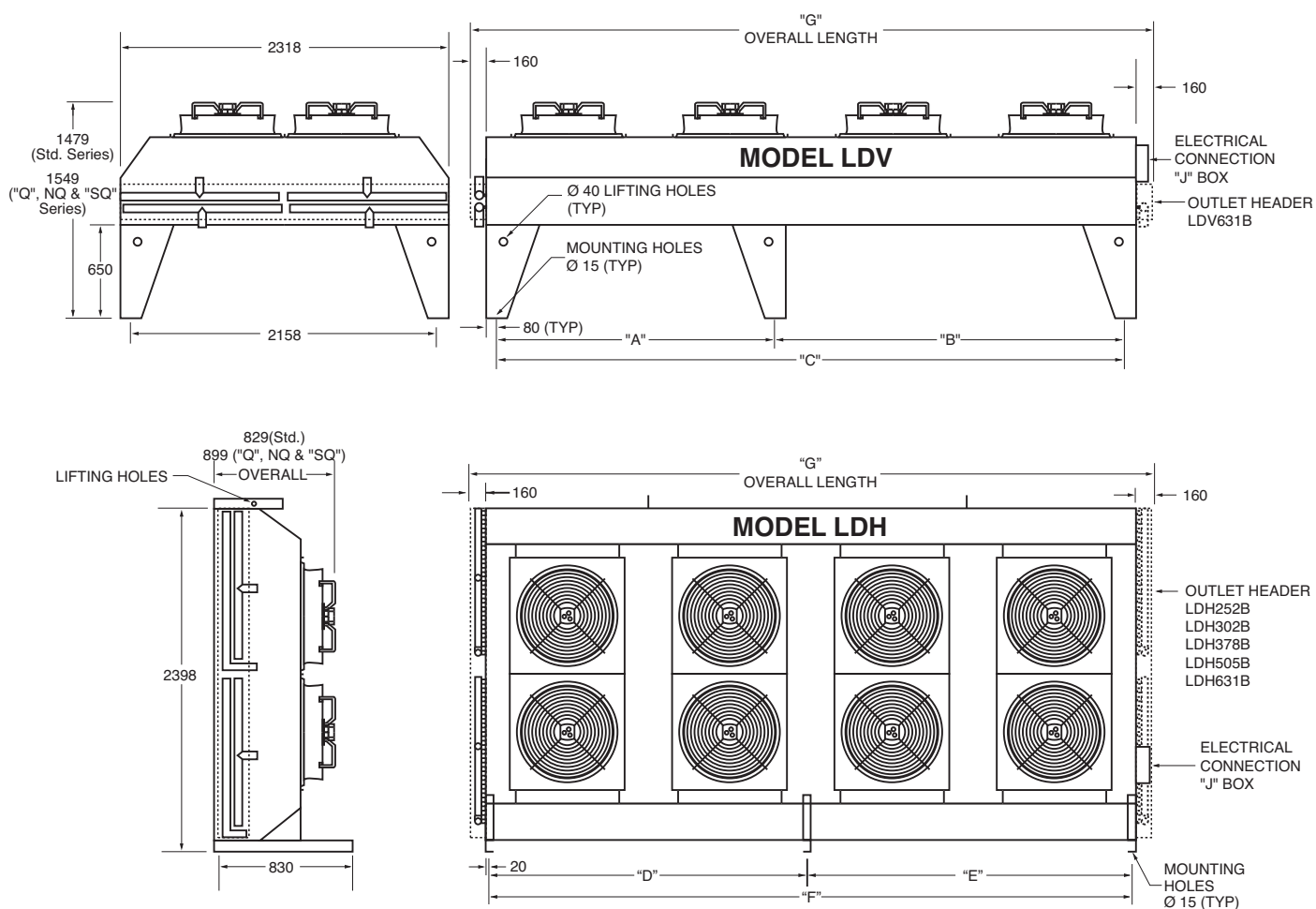
R407C		LDV/LDH High Speed (Connect in Delta Δ)											
TD/K	227B-SQ	252B-SQ	273B-SQ	302B-SQ	340B-SQ	378B-SQ	409B-SQ	454B-SQ	505B-SQ	547B-SQ	568B-SQ	631B-SQ	684B-SQ
1	12.5	13.2	13.9	16.9	18.7	19.8	20.8	25.0	26.5	27.8	31.2	33.1	34.7
5	62.5	66.1	69.5	84.2	93.7	99.0	103.9	124.9	132.3	139.0	156.2	165.4	173.7
10	124.9	132.3	139.0	168.4	187.4	198.0	207.9	249.8	264.5	277.9	312.3	330.7	347.4
15	187.4	198.4	208.4	252.6	281.1	297.0	311.8	374.7	396.8	416.9	468.5	496.1	521.2
20	249.8	264.5	277.9	336.8	374.7	396.0	415.8	499.6	529.1	555.9	624.6	661.4	694.9
Low Speed (Connect in Star $\star$)													
1	9.5	9.8	9.5	12.8	14.2	14.7	14.2	19.0	19.6	19.0	23.7	24.5	23.7
5	47.4	48.9	47.4	63.9	71.1	73.4	71.2	94.8	97.9	94.9	118.5	122.4	118.6
10	94.8	97.8	94.9	127.8	142.2	146.9	142.3	189.6	195.8	189.8	237.1	244.8	237.2
15	142.2	146.6	142.3	191.7	213.3	220.3	213.5	284.5	293.7	284.7	355.6	367.2	355.8
20	189.6	195.5	189.8	255.6	284.4	293.7	284.7	379.3	391.6	379.6	474.1	489.6	474.5

R134a		LDV/LDH High Speed (Connect in Delta Δ)											
TD/K	227B-SQ	252B-SQ	273B-SQ	302B-SQ	340B-SQ	378B-SQ	409B-SQ	454B-SQ	505B-SQ	547B-SQ	568B-SQ	631B-SQ	684B-SQ
1	12.4	13.1	13.8	16.7	18.5	19.6	20.6	24.7	26.2	27.5	30.9	32.7	34.4
5	61.8	65.5	68.8	83.4	92.7	98.0	102.9	123.6	130.9	137.5	154.6	163.6	171.9
10	123.6	130.9	137.5	166.7	185.4	196.0	205.7	247.2	261.8	275.1	309.1	327.3	343.9
15	185.4	196.4	206.3	250.1	278.2	293.9	308.6	370.9	392.7	412.6	463.7	490.9	515.8
20	247.2	261.8	275.1	333.4	370.9	391.9	411.5	494.5	523.6	550.1	618.2	654.6	687.7
Low Speed (Connect in Star $\star$)													
1	9.4	9.7	9.4	12.7	14.1	14.5	14.1	18.8	19.4	18.8	23.5	24.2	23.5
5	46.9	48.4	46.9	63.3	70.4	72.7	70.4	93.8	96.9	93.9	117.3	121.1	117.4
10	93.8	96.7	93.9	126.5	140.7	145.4	140.9	187.7	193.8	187.8	234.6	242.3	234.8
15	140.8	145.1	140.8	189.8	211.1	218.0	211.3	281.5	290.7	281.7	351.9	363.4	352.2
20	187.7	193.5	187.8	253.0	281.5	290.7	281.8	375.4	387.6	375.7	469.2	484.6	469.6

Capacity Correction Factors

REFRIG.	R22	R507A	R407B
CAP. MULT.	1.000	1.045	0.975

SPECIFICATIONS – LDV/LDH SERIES B



Physical Data (All Series)

MODELS LDV/LDH	227B	252B	273B	302B	340B	378B	409B	454B	505B	547B	568B	631B	684B
No. of Rows	4	5	6	5	4	5	6	4	5	6	4	5	6
Tubes High/Wide	72	72	72	72	72	72	72	72	72	72	72	72	72
Inlet Connections mm	54	54	54	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
Outlet Connections mm	54	54	54	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
*Operating Charge R22 (kg)	13.44	16.49	19.40	24.73	20.16	24.73	29.10	26.88	32.98	38.80	33.60	41.22	48.50
**Pump Down Capacity (kg)	72.2	90.3	108.3	108.3	108.3	135.4	162.5	144.4	180.5	216.6	180.5	225.6	270.8
Dimensions (mm):	A	—	—	—	—	—	—	2131	2131	2131	2131	2131	2131
	B	—	—	—	—	—	—	2289	2289	2289	3434	3434	3434
	C	2131	2131	2131	3275	3275	3275	4420	4420	4420	5565	5565	5565
	D	—	—	—	—	—	—	2251	2251	2251	2251	2251	2251
	E	—	—	—	—	—	—	2289	2289	2289	3434	3434	3434
	F	2251	2251	2251	3395	3395	3395	4540	4540	4540	5685	5685	5685
	G	2611	2611	2611	3755	3755	3755	4900	4900	4900	6045	6045	6045

* Based on -4°C SST, +25°C Suction gas temp., 40°C Condensing, and 2°C Sub cooling.

** Pump down capacity based on 80% of total volume – Refrigerant R22.



TECHNICAL DATA

MODEL	227B	252B	273B	302B	340B	378B	409B	454B	505B	547B	568B	631B	684B
Air Flow High l/sec	19463	18825	18203	20658	29195	28238	27305	38926	37650	36406	48658	47063	45508
Air Flow Low l/sec	14966	14418	13886	15985	22449	21627	20829	29932	28836	27772	37415	36045	34715
No. of Motors (630mm)	4	4	4	4	6	6	6	8	8	8	10	10	10
Motor Power: High Speed													
Total Watts - 3 Phase	10400	10400	10400	10400	15600	15600	15600	20800	20800	20800	26000	26000	26000
Total Amps - 3 Phase, 400V*	19.2	19.2	19.2	19.2	28.8	28.8	28.8	38.4	38.4	38.4	48.0	48.0	48.0
Total Amps - 3 Phase, 440V	19.2	19.2	19.2	19.2	28.8	28.8	28.8	38.4	38.4	38.4	48.0	48.0	48.0
Motor Power: Low Speed													
Total Watts - 3 Phase	6400	6400	6400	6400	9600	9600	9600	12800	12800	12800	16000	16000	16000
Total Amps - 3 Phase, 400V*	10.8	10.8	10.8	10.8	16.2	16.2	16.2	21.6	21.6	21.6	27.0	27.0	27.0
Total Amps - 3 Phase, 440V	11.2	11.2	11.2	11.2	16.8	16.8	16.8	22.4	22.4	22.4	28.0	28.0	28.0
Weight Unpacked (kg)	516	566	614	752	759	831	895	1012	1112	1228	1301	1418	1535

MODEL	227B-Q	252B-Q	273B-Q	302B-Q	340B-Q	378B-Q	409B-Q	454B-Q	505B-Q	547B-Q	568B-Q	631B-Q	684B-Q
Air Flow High l/sec	19850	18750	17700	22764	29775	28125	26550	39700	37500	35400	49625	46875	44250
Air Flow Low l/sec	15850	14800	14000	18173	23775	22200	21000	31700	29600	28000	39625	37000	35000
No. of Motors (800mm)	4	4	4	4	6	6	6	8	8	8	10	10	10
Motor Power: High Speed													
Total Watts - 3 Phase	8000	8000	8000	8000	12000	12000	12000	16000	16000	16000	20000	20000	20000
Total Amps - 3 Phase, 400V*	16.0	16.0	16.0	16.0	24.0	24.0	24.0	32.0	32.0	32.0	40.0	40.0	40.0
Total Amps - 3 Phase, 440V	16.8	16.8	16.8	16.8	25.2	25.2	25.2	33.6	33.6	33.6	42.0	42.0	42.0
Motor Power: Low Speed													
Total Watts - 3 Phase	5000	5000	5000	5000	7500	7500	7500	10000	10000	10000	12500	12500	12500
Total Amps - 3 Phase, 400V*	9.2	9.2	9.2	9.2	13.8	13.8	13.8	18.4	18.4	18.4	23.0	23.0	23.0
Total Amps - 3 Phase, 440V	9.6	9.6	9.6	9.6	14.4	14.4	14.4	19.2	19.2	19.2	24.0	24.0	24.0
Weight Unpacked (kg)	550	600	648	786	810	882	946	1080	1180	1296	1386	1503	1620

MODEL	227B-NQ	252B-NQ	273B-NQ	302B-NQ	340B-NQ	378B-NQ	409B-NQ	454B-NQ	505B-NQ	547B-NQ	568B-NQ	631B-NQ	684B-NQ
Air Flow High l/sec	15587	14638	13791	17671	23381	21957	20687	31174	29276	27582	38968	36595	34478
Air Flow Low l/sec	12279	11439	10709	14177	18419	17159	16064	24558	22878	21418	30698	28598	26773
No. of Motors (800mm)	4	4	4	4	6	6	6	8	8	8	10	10	10
Motor Power: High Speed													
Total Watts - 3 Phase	4200	4200	4200	4200	6300	6300	6300	8400	8400	8400	10500	10500	10500
Total Amps - 3 Phase, 400V*	9.6	9.6	9.6	9.6	14.4	14.4	14.4	19.2	19.2	19.2	24.0	24.0	24.0
Total Amps - 3 Phase, 440V	11.2	11.2	11.2	11.2	16.8	16.8	16.8	22.4	22.4	22.4	28.0	28.0	28.0
Motor Power: Low Speed													
Total Watts - 3 Phase	3080	3080	3080	3080	4620	4620	4620	6160	6160	6160	7700	7700	7700
Total Amps - 3 Phase, 400V*	6.0	6.0	6.0	6.0	9.0	9.0	9.0	12.0	12.0	12.0	15.0	15.0	15.0
Total Amps - 3 Phase, 440V	6.5	6.5	6.5	6.5	9.7	9.7	9.7	13.0	13.0	13.0	16.2	16.2	16.2
Weight Unpacked (kg)	550	600	648	786	810	882	946	1080	1180	1296	1386	1503	1620

MODEL	227B-SQ	252B-SQ	273B-SQ	302B-SQ	340B-SQ	378B-SQ	409BSQ	454BSQ	505B-SQ	547B-SQ	568B-SQ	631B-SQ	684B-SQ
Air Flow High l/sec	14500	13600	13000	16613	21750	20400	19500	29000	27200	26000	36250	34000	32500
Air Flow Low l/sec	9800	9100	8500	11446	14700	13650	12750	19600	18200	17000	24500	22750	21250
No. of Motors (800mm)	4	4	4	4	6	6	6	8	8	8	10	10	10
Motor Power: High Speed													
Total Watts - 3 Phase	3720	3720	3720	3720	5580	5580	5580	7440	7440	7440	9300	9300	9300
Total Amps - 3 Phase, 400V*	8.0	8.0	8.0	8.0	12.0	12.0	12.0	16.0	16.0	16.0	20.0	20.0	20.0
Total Amps - 3 Phase, 440V	8.8	8.8	8.8	8.8	13.2	13.2	13.2	17.6	17.6	17.6	22.0	22.0	22.0
Motor Power: Low Speed													
Total Watts - 3 Phase	1880	1880	1880	1880	2820	2820	2820	3760	3760	3760	4700	4700	4700
Total Amps - 3 Phase, 400V*	4.0	4.0	4.0	4.0	6.0	6.0	6.0	8.0	8.0	8.0	10.0	10.0	10.0
Total Amps - 3 Phase, 440V	4.3	4.3	4.3	4.3	6.5	6.5	6.5	8.6	8.6	8.6	10.8	10.8	10.8
Weight Unpacked (kg)	530	580	628	766	780	852	916	1040	1140	1256	1336	1453	1570

* Based on Manufacturers Nominal Data. (3Ph, 400V $\pm 10\%$, 50Hz).
Note - Actual amps may vary in application.

SOUND DATA

Model	No. of Fans	Speed	Sound Power Level, dB (re 1pW)							Noise Rating NR	Sound Pressure dB(A)
			Octave Band Centre Frequency (Hz)								
			125	250	500	1000	2000	4000	8000		
DV/DH	4	High	87	86	84	83	79	73	66	63	67
		Low	81	78	79	77	74	67	61	57	61
	5	High	88	87	85	84	79	74	67	64	68
		Low	82	79	80	78	75	68	62	58	62
	6	High	89	88	86	84	80	75	68	64	69
		Low	83	80	80	79	76	69	63	59	63
	7	High	90	89	86	85	81	76	69	65	69
		Low	84	81	81	80	76	70	64	60	64
8	High	90	89	87	86	82	76	69	66	70	
	Low	84	81	82	80	77	70	64	60	64	
DV/DH (Q SERIES)	4	High	71	75	74	73	68	62	55	53	57
		Low	70	70	69	67	61	54	46	47	51
	5	High	72	76	75	74	69	63	56	54	58
		Low	71	71	70	68	62	55	47	48	52
	6	High	73	77	76	74	70	64	57	54	58
		Low	71	72	70	68	63	56	48	48	52
	7	High	74	78	76	75	71	65	58	55	59
		Low	72	73	71	69	63	57	49	49	53
8	High	74	78	77	76	71	65	58	56	60	
	Low	73	73	72	70	64	57	49	50	54	
LDV/LDH	4	High	98	94	90	88	86	83	77	70	75
		Low	92	88	83	82	80	76	69	64	69
	6	High	100	95	92	90	88	85	78	72	77
		Low	94	89	85	84	82	78	70	66	71
	8	High	101	97	93	91	89	86	80	73	78
		Low	95	91	86	85	83	79	72	67	72
	10	High	102	98	94	92	90	87	81	74	79
		Low	96	92	87	86	84	80	73	68	73
LDV/LDH (Q SERIES)	4	High	98	91	87	86	86	79	70	68	72
		Low	90	84	84	84	80	72	62	64	68
	6	High	100	93	89	88	87	81	72	70	74
		Low	91	86	85	86	82	74	64	66	69
	8	High	101	94	90	89	89	82	73	71	75
		Low	93	87	87	87	83	75	65	67	71
	10	High	102	95	91	90	90	83	74	72	76
		Low	94	88	88	88	84	76	66	68	72
LDV/LDH (NQ SERIES)	4	High	86	81	79	79	74	67	64	61	65
		Low	79	77	78	76	69	61	55	58	62
	6	High	88	83	81	81	76	69	66	63	67
		Low	81	79	80	78	71	63	57	60	64
	8	High	89	84	82	82	77	70	67	64	68
		Low	82	80	81	79	72	64	58	61	65
	10	High	90	85	83	83	78	71	68	65	69
		Low	83	81	82	80	73	65	59	62	66
LDV/LDH (SQ SERIES)	4	High	83	83	80	81	77	71	65	61	65
		Low	76	76	72	72	66	60	52	52	56
	6	High	85	85	82	83	79	73	67	63	66
		Low	78	78	74	73	68	62	54	53	57
	8	High	86	86	83	84	80	74	68	64	68
		Low	79	79	75	75	69	63	55	55	59
	10	High	87	87	84	85	81	75	69	65	69
		Low	80	80	76	76	70	64	56	56	60

Sound Pressure Levels dB(A) re 20 μ Pa and Noise Rating calculated @ 3m distance.
Sound Power Levels Testing in accordance with Australian Standard AS1217.5-1985.

Buffalo Trident Technology at its Best!

The Delta Series B Air Cooled Condensers have continually demonstrated their position as the industry benchmark in performance, reliability and durability within the Refrigeration and HVAC Industry.

The Delta Series provides many proven qualities to satisfy your long term investment.

HOUSING – Strength in material and design

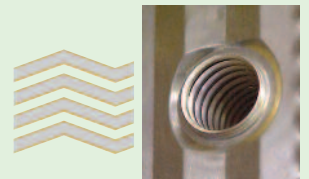
[Marine grade embossed stucco aluminium alloy]

- The marine grade aluminium alloy has proven long term durability against coastal environments and other harsh conditions, full aluminium support rails prevent corrosion between the condenser feet and support structure.



BUFFALO GOLD EPOXY – More than just epoxy fin material

- The base fin stock is a corrosion resistant alloy which is more durable than other standard fin material.
- The epoxy treatment is a European certified bonding process which provides superior resistance to corrosion over alternative coating methods
- Independently certified salt spray tests confirm superior suitability



SEMI-FLOATING COIL – Proven reliable design

- The header tube design is semi-floating to reduce the risk of damage from external influences like compressor gas pulsations.
- The semi-floating header allows for expansion and contraction in the header and entry tubes caused by extreme temperature fluctuations.



HANDLING AND SAFETY

The Delta Condensers are delivered as a one piece assembly ready for installing:

- No additional labour required on site for assembly of sub-sections.
- Forklift access is provided through removable tyne boxes (NOTE – Extended tynes are required). (Refer to your Occupational Health and Safety requirements)

Standard Features

- Dual Refrigerant Circuits.
- All fans statically and dynamically balanced, aerodynamically constructed for economical and quiet operation.
- Sickle Blade Fans.
- Dual speed motors standard on 3 Phase
 - 1330/980 R.P.M. (DV/H Series)
 - 870/610 R.P.M. (DV/H Q Series)
 - 1310/1000 R.P.M. (LDV/H Series)
 - 880/660 R.P.M. (LDV/H Q Series)
 - 680/530 R.P.M. (LDV/H NQ Series)
 - 630/400 R.P.M. (LDV/H SQ Series)
- Motors wired to common junction box (High Speed).
- 12.7mm diameter copper tube expanded into ripple aluminium coil blocks (472 Fins/m).
- Internal ripple finned copper tube. Providing additional heat transfer and improved oil return.
- Positive air seal between all fans.

Optional Extras

- Epoxy Coated or Copper Fins.
- **EC Fan Technology with pre-wired communication links and optional interface board.**
- Single or Multiple Circuits.
- Galvanized or Stainless Steel Case.
- Separate Sub-Cooling Circuits.

Note for 9°C Sub-Cooling, this has the effect of reducing the stated capacity by approximately 5%.
- Circuiting for dry-cooler operation.
- Prepared for fluid cooler applications.
- Hazardous Location Motors (eg. Flameproof).

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Air Conditioning Packages
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Compact Screw Compressor
Air or Water-cooled Design
CSH Micro Processor
Controller



Multi-Pac Rack System

Multiple Semi-Hermetic
Compressor Systems
Bitzer Octagon & 2nd
Generation Compressors
Wide Range of Capacities
& Options



VB Hydro-Boost Condenser

4, 6, 8, 10 Fan Models Epoxy
Coated Fins
High Quality Axial Fans
Pre-Cooler Pad System
Easy Access Pre-Cooler Pads
Stainless Steel Pumps
Optional ECCI Controller

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