Height in meters	Height in feet	Altitude Adjustment Factor (AF)
At sea level	At sea level	1.00
1~200	1~660	1.02
200~400	660~1320	1.03
400~600	1320~1970	1.07
600~800	1970~2630	1.05
800~1000	2630~3290	1.09
1000~1200	3290~3940	1.11
1200~1400	3940~4600	1.13
1400~1600	4600~5250	1.15
1600~1800	5250~5910	1.17
1800~2000	5910~6570	1.19
2000~2200	6570~7220	1.21
2200~2400	7220~7880	1.26
2400~2600	7880~8540	1.24
2600~2800	8540~9190	1.29
2800~3000	9190~9850	1.31
3000~3200	9850~10500	1.34

DSH OPERATIONS								WIRE RANGE									
HEAT PUMP	G	Y1	Y2	W1	W2	O	DH	T1	T2	T3	T4	T5	T6	T7	T8	T9	T10
Fan Only	X							GR									
Cooling Mode LO	X	X				X		●—YL→									
Cooling Mode HI	X	X	X			X				●—	PU	→					
Mech. Heating Mode LO	X	X						●—YL→									
Mech. Heating Mode HI	X	X	X							●—	PU	→					
Elec. Heating Mode LO	X			X			X						●WH→				
Elec. Heating Mode HI	X			X	X		X								●—	BR	→
Mech. Plus Elec. Heat W1	X	X	X	X			X								●—	PU	→
Mech. Plus Elec. Heat W2	X	X	X	X	X		X								●—	BR	→
Defrost ("O" from board)	X	X	X	X			X								●—	PU	→

DSC OPERATIONS							WIRE RANGE									
AC	G	Y1	Y2	W1	W2	DH	T1	T2	T3	T4	T5	T6	T7	T8	T9	T10
Fan Only	X						GR									
Cooling Mode LO	X	X					●—YL→									
Cooling Mode HI	X	X	X						●—	PU	→					
Heating Mode LO	X			X		X						●WH→				
Heating Mode HI	X			X	X	X								●—	BR	→

X = 24V signal

●——→ = Range of AVAILABLE TAPS

For wire color information and placement, view DFC/DFH Model Wiring PG 13.

APPENDIX A BLOWER PERFORMANCE DATA
7.5 TON AC

7.5T AC Standard Static | Motor 2.4 HP | Model: DSC090_STD

DOWNSHOT

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
PL Rated	TAP 1	0.2	1927.5	436.1	136.1	0.20
		0.4	1749.5	518.0	169.5	0.24
		0.6	1578.5	597.8	197.8	0.28
		0.8				
PL Max CFM	TAP 2	0.2	2169.7	465.2	192.7	0.28
		0.4	2001.8	541.5	226.1	0.33
		0.6	1841.3	616.2	256.0	0.38
		0.8	1571.8	705.6	296.9	0.43
Rated	TAP 3	0.2	3114.2	580.0	458.3	0.71
		0.4	2981.4	636.3	493.7	0.78
		0.6	2856.8	692.9	530.1	0.85
		0.8	2705.0	752.3	574.2	0.92
400 CFM/Ton @ 0.6 ESP	TAP 4	0.2	3244.3	596.0	502.2	0.79
		0.4	3115.7	649.9	538.0	0.86
		0.6	2995.3	704.2	575.4	0.93
		0.8	2856.7	760.1	620.1	1.00
400 CFM/Ton @ 0.8 ESP	TAP 5	0.2	3370.4	611.6	546.8	0.87
		0.4	3245.7	663.3	583.3	0.94
		0.6	3129.1	715.5	621.5	1.01
		0.8	3002.4	768.1	666.9	1.09
320 CFM/Ton	TAP 6	0.2	2841.8	546.6	373.0	0.57
		0.4	2699.6	608.3	407.5	0.63
		0.6	2565.7	669.8	441.9	0.69
		0.8	2383.5	737.1	485.0	0.76
350 CFM/Ton	TAP 7	0.2	3047.6	571.8	436.7	0.59
		0.4	2912.6	629.4	471.8	0.65
		0.6	2785.8	687.2	507.7	0.71
		0.8	2626.9	748.4	551.6	0.78
370 CFM/Ton	TAP 8	0.2	3179.8	588.0	480.2	0.75
		0.4	3049.1	643.2	515.7	0.82
		0.6	2926.7	698.6	552.6	0.89
		0.8	2781.6	756.2	597.0	0.96
400 CFM/Ton @ 0.6 ESP	TAP 9	0.2	3244.3	596.0	502.2	0.79
		0.4	3115.7	649.9	538.0	0.86
		0.6	2995.3	704.2	575.4	0.93
		0.8	2856.7	760.1	620.1	1.00
400 CFM/Ton @ 0.8 ESP	TAP 10	0.2	3370.4	611.6	546.8	0.87
		0.4	3245.7	663.3	583.3	0.94
		0.6	3129.1	715.5	621.5	1.01
		0.8	3002.4	768.1	666.9	1.09

HORIZONTAL

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
PL Rated	TAP 1	0.2	1951.6	453.2	143.7	0.21
		0.4	1843.9	526.3	161.4	0.25
		0.6	1670.7	607.2	199.9	0.28
		0.8				
PL Max CFM	TAP 2	0.2	2182.2	486.4	204.2	0.30
		0.4	2073.8	554.4	224.4	0.34
		0.6	1915.1	628.8	261.1	0.38
		0.8	1621.3	715.7	288.4	0.44
Rated	TAP 3	0.2	3084.0	616.8	489.3	0.76
		0.4	2977.1	666.9	519.8	0.82
		0.6	2869.1	718.6	552.5	0.88
		0.8	2736.7	773.4	598.8	0.95
400 CFM/Ton @ 0.6 ESP	TAP 4	0.2	3208.7	634.9	536.5	0.84
		0.4	3102.6	682.8	568.5	0.90
		0.6	3000.7	731.9	601.1	0.97
		0.8	2886.0	783.0	649.4	1.04
400 CFM/Ton @ 0.8 ESP	TAP 5	0.2	3329.7	652.4	584.6	0.92
		0.4	3224.6	698.4	618.1	0.99
		0.6	3128.3	745.0	650.7	1.06
		0.8	3029.3	792.7	700.8	1.12
320 CFM/Ton	TAP 6	0.2	2823.4	579.0	397.6	0.60
		0.4	2715.2	633.9	425.0	0.66
		0.6	2593.7	691.6	458.2	0.72
		0.8	2420.3	754.9	499.9	0.78
350 CFM/Ton	TAP 7	0.2	3020.2	607.5	466.0	0.63
		0.4	2912.9	658.8	495.8	0.68
		0.6	2801.8	711.9	528.5	0.74
		0.8	2659.8	768.7	573.8	0.80
370 CFM/Ton	TAP 8	0.2	3146.8	625.9	512.8	0.80
		0.4	3040.3	674.9	544.1	0.86
		0.6	2935.4	725.3	576.6	0.92
		0.8	2812.1	778.2	624.0	0.99
400 CFM/Ton @ 0.6 ESP	TAP 9	0.2	3208.7	634.9	536.5	0.84
		0.4	3102.6	682.8	568.5	0.90
		0.6	3000.7	731.9	601.1	0.97
		0.8	2886.0	783.0	649.4	1.04
400 CFM/Ton @ 0.8 ESP	TAP 10	0.2	3329.7	652.4	584.6	0.92
		0.4	3224.6	698.4	618.1	0.99
		0.6	3128.3	745.0	650.7	1.06
		0.8	3029.3	792.7	700.8	1.12

APPENDIX A BLOWER PERFORMANCE DATA
7.5 TON AC

7.5T AC Medium Static | Motor 2.4 HP | Model: DSC090_MED

DOWNSHOT

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
PL Rated	TAP 1	0.2	2090.0	455.6	173.6	0.26
		0.4	1918.8	533.7	207.0	0.30
		0.6	1754.9	610.1	236.3	0.34
		0.8				
		1				
		1.2				
		1.4				
PL CFM Max	TAP 2	0.2	2699.6	529.3	331.6	0.50
		0.4	2552.1	593.9	365.7	0.56
		0.6	2413.0	658.1	399.1	0.62
		0.8	2213.7	729.8	441.7	0.69
		1	2022.3	791.8	473.1	0.75
		1.2	1865.2	845.4	505.8	0.80
		1.4	1727.0	879.7	520.3	0.83
Rated @ 0.8 ESP	TAP 3	0.2	3370.4	611.6	546.8	0.87
		0.4	3245.7	663.3	583.3	0.94
		0.6	3129.1	715.5	621.5	1.01
		0.8	3002.4	768.1	666.9	1.09
		1	2864.0	822.0	711.4	1.16
		1.2	2732.9	872.3	755.4	1.24
		1.4	2612.3	915.1	790.3	1.30
400 CFM/Ton @ 1.2 ESP	TAP 4	0.2	3551.9	634.1	615.3	0.99
		0.4	3432.6	682.8	652.7	1.06
		0.6	3320.8	732.1	692.4	1.14
		0.8	3209.7	780.5	738.7	1.22
		1	3083.3	832.2	786.0	1.30
		1.2	2958.7	881.4	832.8	1.37
		1.4	2842.8	925.7	872.3	1.44
400 CFM/Ton	TAP 5	0.2	3667.8	648.7	661.9	1.07
		0.4	3551.7	695.5	700.1	1.15
		0.6	3442.8	743.0	740.7	1.23
		0.8	3340.3	789.0	787.6	1.30
		1	3220.9	839.3	836.5	1.39
		1.2	3100.5	887.8	885.0	1.47
		1.4	2987.3	932.7	927.2	1.54
320 CFM/Ton	TAP 6	0.2	3212.2	592.0	491.2	0.77
		0.4	3082.5	646.6	526.9	0.84
		0.6	2961.1	701.4	564.0	0.91
		0.8	2819.4	758.2	608.6	0.98
		1	2669.6	813.9	650.4	1.06
		1.2	2532.5	865.1	691.8	1.12
		1.4	2407.9	906.3	722.3	1.18
350 CFM/Ton	TAP 7	0.2	3370.4	611.6	546.8	0.87
		0.4	3245.7	663.3	583.3	0.94
		0.6	3129.1	715.5	621.5	1.01
		0.8	3002.4	768.1	666.9	1.09
		1	2864.0	822.0	711.4	1.16
		1.2	2732.9	872.3	755.4	1.24
		1.4	2612.3	915.1	790.3	1.30
370 CFM/Ton	TAP 8	0.2	3492.4	626.7	592.3	0.95
		0.4	3371.4	676.4	629.4	1.02
		0.6	3258.1	726.6	668.6	1.10
		0.8	3142.1	776.3	714.5	1.17
		1	3011.9	828.7	761.0	1.25
		1.2	2885.2	878.4	806.9	1.33
		1.4	2767.8	922.2	844.9	1.39
400 CFM/Ton @ 1.2 ESP	TAP 9	0.2	3551.9	634.1	615.3	0.99
		0.4	3432.6	682.8	652.7	1.06
		0.6	3320.8	732.1	692.4	1.14
		0.8	3209.7	780.5	738.7	1.22
		1	3083.3	832.2	786.0	1.30
		1.2	2958.7	881.4	832.8	1.37
		1.4	2842.8	925.7	872.3	1.44
400 CFM/Ton	TAP 10	0.2	3667.8	648.7	661.9	1.07
		0.4	3551.7	695.5	700.1	1.15
		0.6	3442.8	743.0	740.7	1.23
		0.8	3340.3	789.0	787.6	1.30
		1	3220.9	839.3	836.5	1.39
		1.2	3100.5	887.8	885.0	1.47
		1.4	2987.3	932.7	927.2	1.54

HORIZONTAL

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
PL Rated	TAP 1	0.2	2106.3	475.5	183.8	0.27
		0.4	1998.1	545.1	203.1	0.31
		0.6	1834.6	621.6	240.4	0.35
		0.8	1525.1	711.6	265.9	0.40
		1				
		1.2				
		1.4				
PL CFM Max	TAP 2	0.2	2687.4	559.3	353.0	0.53
		0.4	2578.9	616.9	378.9	0.58
		0.6	2450.0	677.9	412.6	0.64
		0.8	2253.2	745.8	451.6	0.70
		1	2090.7	807.3	486.6	0.76
		1.2	1951.3	857.1	511.0	0.81
		1.4	1756.8	915.8	547.0	0.86
Rated @ 0.8 ESP	TAP 3	0.2	3329.7	652.4	584.6	0.92
		0.4	3224.6	698.4	618.1	0.99
		0.6	3128.3	745.0	650.7	1.06
		0.8	3029.3	792.7	700.8	1.12
		1	2910.5	844.4	742.5	1.20
		1.2	2802.7	890.8	771.6	1.26
		1.4	2620.9	952.2	821.0	1.35
400 CFM/Ton @ 1.2 ESP	TAP 4	0.2	3504.1	677.8	658.4	1.06
		0.4	3400.9	721.1	694.1	1.12
		0.6	3312.2	764.4	727.1	1.19
		0.8	3233.1	807.6	779.3	1.26
		1	3124.7	856.7	822.3	1.34
		1.2	3023.9	901.9	852.8	1.41
		1.4	2849.3	962.7	905.4	1.50
400 CFM/Ton	TAP 5	0.2	3615.8	694.1	708.8	1.15
		0.4	3514.0	735.8	745.8	1.22
		0.6	3429.7	777.2	779.3	1.29
		0.8	3361.5	817.8	832.6	1.35
		1	3259.4	865.2	876.3	1.43
		1.2	3162.6	909.6	907.7	1.50
		1.4	2993.7	969.7	962.2	1.60
320 CFM/Ton	TAP 6	0.2	3177.9	630.4	524.6	0.82
		0.4	3071.6	678.9	556.3	0.88
		0.6	2968.2	728.6	588.8	0.95
		0.8	2849.2	780.6	636.7	1.01
		1	2720.8	834.6	677.1	1.08
		1.2	2606.3	881.9	705.0	1.14
		1.4	2419.7	943.3	751.5	1.22
350 CFM/Ton	TAP 7	0.2	3329.7	652.4	584.6	0.92
		0.4	3224.6	698.4	618.1	0.99
		0.6	3128.3	745.0	650.7	1.06
		0.8	3029.3	792.7	700.8	1.12
		1	2910.5	844.4	742.5	1.20
		1.2	2802.7	890.8	771.6	1.26
		1.4	2620.9	952.2	821.0	1.35
370 CFM/Ton	TAP 8	0.2	3446.9	669.5	633.6	1.01
		0.4	3343.0	713.6	668.5	1.08
		0.6	3251.9	758.0	701.4	1.15
		0.8	3166.6	802.6	753.0	1.21
		1	3055.0	852.5	795.6	1.29
		1.2	2951.9	898.1	825.6	1.36
		1.4	2774.8	959.2	877.1	1.45
400 CFM/Ton @ 1.2 ESP	TAP 9	0.2	3504.1	677.8	658.4	1.06
		0.4	3400.9	721.1	694.1	1.12
		0.6	3312.2	764.4	727.1	1.19
		0.8	3233.1	807.6	779.3	1.26
		1	3124.7	856.7	822.3	1.34
		1.2	3023.9	901.9	852.8	1.41
		1.4	2849.3	962.7	905.4	1.50
400 CFM/Ton	TAP 10	0.2	3615.8	694.1	708.8	1.15
		0.4	3514.0	735.8	745.8	1.22
		0.6	3429.7	777.2	779.3	1.29
		0.8	3361.5	817.8	832.6	1.35
		1	3259.4	865.2	876.3	1.43
		1.2	3162.6	909.6	907.7	1.50
		1.4	2993.7	969.7	962.2	1.60

APPENDIX A BLOWER PERFORMANCE DATA

7.5 TON AC

7.5T AC High Static | Motor 2.4 HP | Model: DSC090_HIGH

DOWNSHOT

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
PL Rated	TAP 1	0.2	2402.9	493.3	251.0	0.37
		0.4	2244.2	564.3	284.6	0.42
		0.6	2093.4	634.4	316.1	0.48
		0.8	1855.9	715.7	357.6	0.54
		1	1637.8	781.2	382.2	0.59
		1.2				
		1.4				
		1.6				
		1.8				

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
PL Max CFM	TAP 2	0.2	2553.2	511.5	290.9	0.43
		0.4	2400.3	579.3	324.7	0.49
		0.6	2255.6	646.3	357.2	0.55
		0.8	2037.8	722.7	399.2	0.61
		1	1833.5	786.4	427.3	0.67
		1.2				
		1.4				
		1.6				
		1.8				

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
Rated	TAP 3	0.2	3551.9	634.1	615.3	0.99
		0.4	3432.6	682.8	652.7	1.06
		0.6	3320.8	732.1	692.4	1.14
		0.8	3209.7	780.5	738.7	1.22
		1	3083.3	832.2	786.0	1.30
		1.2	2958.7	881.4	832.8	1.37
		1.4	2842.8	925.7	872.3	1.44
		1.6	2620.1	989.9	926.6	1.54
		1.8	2488.5	1038.8	959.4	1.62

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
400 CFM/Ton @ 1.6	TAP 4	0.2	3779.7	662.7	709.4	1.16
		0.4	3666.4	708.0	748.3	1.24
		0.6	3560.0	753.8	789.8	1.32
		0.8	3464.9	797.6	837.4	1.39
		1	3351.7	846.6	887.7	1.48
		1.2	3235.1	894.3	937.8	1.56
		1.4	3124.7	939.8	982.3	1.64
		1.6	2913.7	992.3	1029.5	1.74
		1.8	2808.6	1041.8	1070.1	1.82

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
400 CFM/Ton	TAP 5	0.2	3861.0	673.0	745.4	1.22
		0.4	3749.6	717.2	785.0	1.31
		0.6	3644.7	761.8	827.2	1.39
		0.8	3554.3	804.2	875.4	1.46
		1	3445.4	852.2	926.5	1.55
		1.2	3331.5	899.3	977.6	1.64
		1.4	3223.0	945.1	1023.7	1.72
		1.6	3017.3	994.0	1069.0	1.81
		1.8	2920.1	1043.4	1112.2	1.90

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
320 CFM/Ton	TAP 6	0.2	3431.9	619.2	569.5	0.91
		0.4	3309.1	669.9	606.2	0.98
		0.6	3194.2	721.0	644.9	1.06
		0.8	3073.0	772.2	690.6	1.13
		1	2938.8	825.4	736.1	1.21
		1.2	2809.9	875.3	781.1	1.28
		1.4	2691.0	918.6	817.6	1.35
		1.6	2463.8	989.6	876.3	1.45
		1.8	2316.0	1038.1	904.6	1.52

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
350 CFM/Ton	TAP 7	0.2	3581.3	637.8	626.9	1.01
		0.4	3462.7	686.0	664.5	1.09
		0.6	3351.8	734.8	704.4	1.16
		0.8	3242.9	782.6	750.8	1.24
		1	3118.3	833.9	798.6	1.32
		1.2	2994.8	883.0	845.8	1.40
		1.4	2879.6	927.5	886.0	1.47
		1.6	2658.1	990.0	939.3	1.57
		1.8	2530.3	1039.1	973.1	1.64

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
370 CFM/Ton	TAP 8	0.2	3724.3	655.7	685.5	1.12
		0.4	3609.6	701.8	724.1	1.19
		0.6	3501.9	748.4	765.1	1.27
		0.8	3403.3	793.3	812.4	1.35
		1	3287.2	842.9	862.0	1.43
		1.2	3168.7	891.0	911.3	1.52
		1.4	3056.9	936.3	954.7	1.59
		1.6	2842.7	991.5	1003.5	1.69
		1.8	2731.7	1040.9	1042.3	1.77

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
400 CFM/Ton @ 1.6	TAP 9	0.2	3779.7	662.7	709.4	1.16
		0.4	3666.4	708.0	748.3	1.24
		0.6	3560.0	753.8	789.8	1.32
		0.8	3464.9	797.6	837.4	1.39
		1	3351.7	846.6	887.7	1.48
		1.2	3235.1	894.3	937.8	1.56
		1.4	3124.7	939.8	982.3	1.64
		1.6	2913.7	992.3	1029.5	1.74
		1.8	2808.6	1041.8	1070.1	1.82

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
400 CFM/Ton	TAP 10	0.2	3861.0	673.0	745.4	1.22
		0.4	3749.6	717.2	785.0	1.31
		0.6	3644.7	761.8	827.2	1.39
		0.8	3554.3	804.2	875.4	1.46
		1	3445.4	852.2	926.5	1.55
		1.2	3331.5	899.3	977.6	1.64
		1.4	3223.0	945.1	1023.7	1.72
		1.6	3017.3	994.0	1069.0	1.81
		1.8	2920.1	1043.4	1112.2	1.90

HORIZONTAL

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
PL Rated	TAP 1	0.2	2404.3	518.5	266.6	0.39
		0.4	2295.7	581.7	289.3	0.44
		0.6	2150.4	650.1	324.5	0.49
		0.8	1901.0	728.4	357.2	0.55
		1	1717.1	794.1	388.6	0.60
		1.2	1561.5	845.1	411.0	0.64
		1.4				
		1.6				
		1.8				

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
PL Max CFM	TAP 2	0.2	2547.7	539.2	309.4	0.46
		0.4	2439.1	599.5	333.7	0.51
		0.6	2302.2	664.1	368.1	0.56
		0.8	2080.1	737.0	404.0	0.62
		1	1907.1	800.5	437.3	0.68
		1.2	1759.9	851.0	460.7	0.72
		1.4				
		1.6				
		1.8				

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
Rated	TAP 3	0.2	3504.1	677.8	658.4	1.06
		0.4	3400.9	721.1	694.1	1.12
		0.6	3312.2	764.4	727.1	1.19
		0.8	3233.1	807.6	779.3	1.26
		1	3124.7	856.7	822.3	1.34
		1.2	3023.9	901.9	852.8	1.41
		1.4	2849.3	962.7	905.4	1.50
		1.6	2727.6	1009.2	948.7	1.57
		1.8	2574.8	1058.8	993.9	1.65

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
400 CFM/Ton @ 1.6	TAP 4	0.2	3723.7	709.9	760.0	1.24
		0.4	3623.4	750.1	798.4	1.31
		0.6	3543.2	789.8	832.4	1.38
		0.8	3484.0	828.2	886.7	1.45
		1	3387.6	873.9	931.0	1.53
		1.2	3294.3	917.4	963.3	1.60
		1.4	3131.8	976.5	1019.4	1.71
		1.6	3015.0	1022.5	1065.8	1.79
		1.8	2893.4	1063.4	1102.6	1.86

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
400 CFM/Ton	TAP 5	0.2	3802.1	721.3	799.0	1.31
		0.4	3703.2	760.6	838.5	1.38
		0.6	3625.6	799.2	873.0	1.45
		0.8	3571.9	836.0	927.7	1.52
		1	3479.4	880.6	972.3	1.60
		1.2	3388.4	923.5	1005.3	1.68
		1.4	3231.2	981.6	1062.6	1.79
		1.6	3116.5	1027.3	1110.0	1.87
		1.8	3004.5	1065.6	1144.2	1.94

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
320 CFM/Ton	TAP 6	0.2	3388.8	661.0	609.0	0.97
		0.4	3284.3	706.1	643.2	1.03
		0.6	3190.6	751.5	675.9	1.10
		0.8	3098.7	797.6	726.8	1.17
		1	2983.6	848.4	769.0	1.24
		1.2	2878.2	894.4	798.5	1.31
		1.4	2698.6	955.7	849.0	1.40
		1.6	2574.7	1002.2	890.5	1.47
		1.8	2403.4	1057.1	941.0	1.55

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
350 CFM/Ton	TAP 7	0.2	3532.4	682.0	670.9	1.08
		0.4	3429.5	724.8	706.9	1.15
		0.6	3341.9	767.6	740.0	1.22
		0.8	3265.7	810.1	792.6	1.28
		1	3159.0	858.8	835.8	1.36
		1.2	3059.2	903.8	866.5	1.43
		1.4	2886.0	964.5	919.5	1.53
		1.6	2764.9	1010.9	963.3	1.60
		1.8	2616.4	1059.3	1007.3	1.68

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
370 CFM/Ton	TAP 8	0.2	3670.2	702.1	734.3	1.19
		0.4	3569.2	743.0	772.0	1.26
		0.6	3486.9	783.5	805.7	1.33
		0.8	3423.5	823.0	859.5	1.40
		1	3324.3	869.5	903.6	1.48
		1.2	3229.3	913.5	935.4	1.55
		1.4	3063.6	973.1	990.7	1.66
		1.6	2945.5	1019.3	1036.5	1.73
		1.8	2816.7	1062.1	1075.1	1.81

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
400 CFM/Ton @ 1.6	TAP 9	0.2	3723.7	709.9	760.0	1.24
		0.4	3623.4	750.1	798.4	1.31
		0.6	3543.2	789.8	832.4	1.38
		0.8	3484.0	828.2	886.7	1.45
		1	3387.6	873.9	931.0	1.53
		1.2	3294.3	917.4	963.3	1.60
		1.4	3131.8	976.5	1019.4	1.71
		1.6	3015.0	1022.5	1065.8	1.79
		1.8	2893.4	1063.4	1102.6	1.86

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
400 CFM/Ton	TAP 10	0.2	3802.1	721.3	799.0	1.31
		0.4	3703.2	760.6	838.5	1.38
		0.6	3625.6	799.2	873.0	1.45
		0.8	3571.9	836.0	927.7	1.52
		1	3479.4	880.6	972.3	1.60
		1.2	3388.4	923.5	1005.3	1.68
		1.4	3231.2	981.6	1062.6	1.79
		1.6	3116.5	1027.3	1110.0	1.87
		1.8	3004.5	1065.6	1144.2	1.94

APPENDIX A BLOWER PERFORMANCE DATA
8.5 TON AC

8.5T AC Standard Static | Motor 2.4 HP | Model: DSC102_STD

DOWNSHOT

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
PL Rated	TAP 1	0.2	2090.0	455.6	173.6	0.26
		0.4	1918.8	533.7	207.0	0.30
		0.6	1754.9	610.1	236.3	0.34
		0.8				

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
PL Max CFM	TAP 2	0.2	2248.5	474.7	211.9	0.31
		0.4	2083.7	549.1	245.4	0.36
		0.6	1926.5	622.3	275.8	0.41
		0.8				

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
Rated	TAP 3	0.2	3295.2	602.3	520.0	0.82
		0.4	3168.3	655.3	556.0	0.89
		0.6	3049.4	708.7	593.7	0.96
		0.8	2915.7	763.3	638.7	1.04

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
400 CFM/Ton @ 0.6 ESP	TAP 4	0.2	3627.7	643.6	645.5	1.04
		0.4	3510.5	691.1	683.4	1.12
		0.6	3400.6	739.2	723.7	1.20
		0.8	3295.2	786.0	770.4	1.27

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
400 CFM/Ton @ 0.8 ESP	TAP 5	0.2	3724.3	655.7	685.5	1.12
		0.4	3609.6	701.8	724.1	1.19
		0.6	3501.9	748.4	765.1	1.27
		0.8	3403.3	793.3	812.4	1.35

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
320 CFM/Ton	TAP 6	0.2	3114.2	580.0	458.3	0.71
		0.4	2981.4	636.3	493.7	0.78
		0.6	2856.8	692.9	530.1	0.85
		0.8	2705.0	752.3	574.2	0.92

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
350 CFM/Ton	TAP 7	0.2	3320.5	605.4	528.9	0.74
		0.4	3194.3	658.0	565.1	0.81
		0.6	3076.1	711.0	603.0	0.87
		0.8	2944.9	764.9	648.1	0.94

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
370 CFM/Ton	TAP 8	0.2	3462.3	623.0	580.9	0.93
		0.4	3340.4	673.1	617.8	1.00
		0.6	3226.3	723.8	656.7	1.08
		0.8	3107.7	774.3	702.5	1.15

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
400 CFM/Ton @ 0.6 ESP	TAP 9	0.2	3627.7	643.6	645.5	1.04
		0.4	3510.5	691.1	683.4	1.12
		0.6	3400.6	739.2	723.7	1.20
		0.8	3295.2	786.0	770.4	1.27

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
400 CFM/Ton @ 0.8 ESP	TAP 10	0.2	3724.3	655.7	685.5	1.12
		0.4	3609.6	701.8	724.1	1.19
		0.6	3501.9	748.4	765.1	1.27
		0.8	3403.3	793.3	812.4	1.35

HORIZONTAL

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
PL Rated	TAP 1	0.2	2106.3	475.5	183.8	0.27
		0.4	1998.1	545.1	203.1	0.31
		0.6	1834.6	621.6	240.4	0.35
		0.8				

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
PL Max CFM	TAP 2	0.2	2257.2	497.2	224.8	0.33
		0.4	2148.7	563.6	245.8	0.37
		0.6	1994.5	635.9	281.9	0.42
		0.8	1716.1	719.9	311.2	0.47

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
Rated	TAP 3	0.2	3257.6	642.0	555.7	0.87
		0.4	3151.9	689.1	588.2	0.94
		0.6	3052.3	737.2	620.8	1.00
		0.8	2944.0	786.8	669.9	1.07

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
400 CFM/Ton @ 0.6 ESP	TAP 4	0.2	3577.1	688.5	691.0	1.12
		0.4	3474.8	730.7	727.6	1.18
		0.6	3389.0	772.7	760.9	1.25
		0.8	3317.2	814.2	813.9	1.32

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
400 CFM/Ton @ 0.8 ESP	TAP 5	0.2	3670.2	702.1	734.3	1.19
		0.4	3569.2	743.0	772.0	1.26
		0.6	3486.9	783.5	805.7	1.33
		0.8	3423.5	823.0	859.5	1.40

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
320 CFM/Ton	TAP 6	0.2	3084.0	616.8	489.3	0.76
		0.4	2977.1	666.9	519.8	0.82
		0.6	2869.1	718.6	552.5	0.88
		0.8	2736.7	773.4	598.8	0.95

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
350 CFM/Ton	TAP 7	0.2	3281.8	645.5	565.3	0.79
		0.4	3176.3	692.2	598.2	0.85
		0.6	3077.8	739.8	630.7	0.91
		0.8	2972.7	788.8	680.2	0.97

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
370 CFM/Ton	TAP 8	0.2	3418.0	665.3	621.3	0.99
		0.4	3313.8	709.9	655.8	1.06
		0.6	3221.4	754.8	688.6	1.12
		0.8	3132.8	800.1	739.9	1.19

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
400 CFM/Ton @ 0.6 ESP	TAP 9	0.2	3577.1	688.5	691.0	1.12
		0.4	3474.8	730.7	727.6	1.18
		0.6	3389.0	772.7	760.9	1.25
		0.8	3317.2	814.2	813.9	1.32

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
400 CFM/Ton @ 0.8 ESP	TAP 10	0.2	3670.2	702.1	734.3	1.19
		0.4	3569.2	743.0	772.0	1.26
		0.6	3486.9	783.5	805.7	1.33
		0.8	3423.5	823.0	859.5	1.40

APPENDIX A BLOWER PERFORMANCE DATA

8.5 TON AC

8.5T AC Medium Static | Motor 2.4 HP | Model: DSC102_MED

DOWNSHOT

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
PL Rated	TAP 1	0.2	2209.2	470.0	202.3	0.30
		0.4	2042.8	545.3	235.7	0.35
		0.6	1884.0	619.3	265.8	0.39
		0.8				
		1				
		1.2				
		1.4				

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
PL CFM Max	TAP 2	0.2	2418.1	495.2	254.9	0.38
		0.4	2260.0	565.8	288.6	0.43
		0.6	2109.8	635.6	320.1	0.48
		0.8	1874.4	716.4	361.8	0.55
		1				
		1.2				
		1.4				

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
Rated @ 0.8 ESP	TAP 3	0.2	3551.9	634.1	615.3	0.99
		0.4	3432.6	682.8	652.7	1.06
		0.6	3320.8	732.1	692.4	1.14
		0.8	3209.7	780.5	738.7	1.22
		1	3083.3	832.2	786.0	1.30
		1.2	2958.7	881.4	832.8	1.37
		1.4	2842.8	925.7	872.3	1.44

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
400 CFM/Ton @ 1.2 ESP	TAP 4	0.2	3913.9	679.7	769.7	1.27
		0.4	3803.7	723.2	809.8	1.35
		0.6	3699.8	767.1	852.4	1.43
		0.8	3612.1	808.6	900.9	1.51
		1	3505.7	856.0	952.5	1.60
		1.2	3393.5	902.8	1004.4	1.69
		1.4	3286.3	948.6	1051.4	1.77

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
400 CFM/Ton	TAP 5	0.2	4001.5	690.9	811.5	1.35
		0.4	3893.2	733.3	852.4	1.43
		0.6	3790.6	776.1	895.7	1.51
		0.8	3706.8	816.3	944.9	1.59
		1	3604.2	862.6	997.2	1.68
		1.2	3494.9	908.7	1050.2	1.77
		1.4	3389.7	954.6	1098.6	1.86

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
320 CFM/Ton	TAP 6	0.2	3450.2	621.5	576.3	0.92
		0.4	3327.9	671.8	613.1	0.99
		0.6	3213.5	722.7	652.0	1.07
		0.8	3093.9	773.5	697.8	1.14
		1	2960.9	826.4	743.6	1.22
		1.2	2832.7	876.2	788.8	1.30
		1.4	2714.2	919.7	825.8	1.36

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
350 CFM/Ton	TAP 7	0.2	3650.7	646.5	654.9	1.06
		0.4	3534.1	693.7	692.9	1.14
		0.6	3424.8	741.4	733.4	1.22
		0.8	3321.1	787.7	780.2	1.29
		1	3200.7	838.2	828.9	1.37
		1.2	3079.6	886.8	877.1	1.45
		1.4	2966.1	931.7	918.9	1.53

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
370 CFM/Ton	TAP 8	0.2	3790.7	664.1	714.1	1.17
		0.4	3677.6	709.2	753.2	1.25
		0.6	3571.4	754.9	794.7	1.33
		0.8	3477.0	798.5	842.5	1.40
		1	3364.4	847.3	892.8	1.49
		1.2	3248.2	895.0	943.1	1.57
		1.4	3138.0	940.5	987.8	1.65

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
400 CFM/Ton @ 1.2 ESP	TAP 9	0.2	3913.9	679.7	769.7	1.27
		0.4	3803.7	723.2	809.8	1.35
		0.6	3699.8	767.1	852.4	1.43
		0.8	3612.1	808.6	900.9	1.51
		1	3505.7	856.0	952.5	1.60
		1.2	3393.5	902.8	1004.4	1.69
		1.4	3286.3	948.6	1051.4	1.77

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
400 CFM/Ton	TAP 10	0.2	4001.5	690.9	811.5	1.35
		0.4	3893.2	733.3	852.4	1.43
		0.6	3790.6	776.1	895.7	1.51
		0.8	3706.8	816.3	944.9	1.59
		1	3604.2	862.6	997.2	1.68
		1.2	3494.9	908.7	1050.2	1.77
		1.4	3389.7	954.6	1098.6	1.86

HORIZONTAL

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
PL Rated	TAP 1	0.2	2219.8	491.9	214.4	0.31
		0.4	2111.4	559.0	235.0	0.35
		0.6	1954.9	632.4	271.5	0.40
		0.8				
		1				
		1.2				
		1.4				

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
PL CFM Max	TAP 2	0.2	2418.8	520.6	270.9	0.40
		0.4	2310.2	583.5	293.7	0.44
		0.6	2165.7	651.5	328.8	0.50
		0.8	1919.2	729.2	361.8	0.56
		1	1736.4	794.7	393.4	0.61
		1.2				
		1.4				

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
Rated @ 0.8 ESP	TAP 3	0.2	3504.1	677.8	658.4	1.06
		0.4	3400.9	721.1	694.1	1.12
		0.6	3312.2	764.4	727.1	1.19
		0.8	3233.1	807.6	779.3	1.26
		1	3124.7	856.7	822.3	1.34
		1.2	3023.9	901.9	852.8	1.41
		1.4	2849.3	962.7	905.4	1.50

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
400 CFM/Ton @ 1.2 ESP	TAP 4	0.2	3853.2	728.8	825.2	1.36
		0.4	3755.3	767.4	865.4	1.43
		0.6	3679.4	805.4	900.3	1.50
		0.8	3628.7	841.3	955.3	1.57
		1	3538.6	885.1	1000.1	1.65
		1.2	3449.0	927.6	1033.5	1.73
		1.4	3295.5	985.0	1091.6	1.84

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
400 CFM/Ton	TAP 5	0.2	3938.0	741.3	870.4	1.44
		0.4	3841.7	778.9	911.8	1.52
		0.6	3768.3	815.8	947.4	1.59
		0.8	3721.8	850.5	1002.7	1.66
		1	3635.5	892.9	1047.7	1.74
		1.2	3548.0	934.7	1081.9	1.82
		1.4	3401.2	990.7	1141.1	1.93

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
320 CFM/Ton	TAP 6	0.2	3406.3	663.6	616.4	0.98
		0.4	3302.0	708.3	650.8	1.05
		0.6	3209.1	753.5	683.5	1.11
		0.8	3119.2	799.1	734.6	1.18
		1	3005.1	849.7	776.9	1.26
		1.2	2900.5	895.5	806.6	1.32
		1.4	2721.6	956.8	857.4	1.41

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
350 CFM/Ton	TAP 7	0.2	3599.3	691.7	701.2	1.13
		0.4	3497.2	733.6	738.0	1.20
		0.6	3412.3	775.3	771.4	1.27
		0.8	3342.6	816.3	824.6	1.34
		1	3239.6	863.9	868.2	1.42
		1.2	3142.2	908.4	899.5	1.49
		1.4	2972.5	968.6	953.6	1.59

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
370 CFM/Ton	TAP 8	0.2	3734.2	711.4	765.1	1.25
		0.4	3634.2	751.5	803.8	1.32
		0.6	3554.3	791.1	837.8	1.39
		0.8	3495.9	829.2	892.1	1.46
		1	3400.0	874.8	936.5	1.54
		1.2	3307.1	918.2	968.8	1.61
		1.4	3145.3	977.2	1025.2	1.72

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
400 CFM/Ton @ 1.2 ESP	TAP 9	0.2	3853.2	728.8	825.2	1.36
		0.4	3755.3	767.4	865.4	1.43
		0.6	3679.4	805.4	900.3	1.50
		0.8	3628.7	841.3	955.3	1.57
		1	3538.6	885.1	1000.1	1.65
		1.2	3449.0	927.6	1033.5	1.73
		1.4	3295.5	985.0	1091.6	1.84

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
400 CFM/Ton	TAP 10	0.2	3938.0	741.3	870.4	1.44
		0.4	3841.7	778.9	911.8	1.52
		0.6	3768.3	815.8	947.4	1.59
		0.8	3721.8	850.5	1002.7	1.66
		1	3635.5	892.9	1047.7	1.74
		1.2	3548.0	934.7	1081.9	1.82
		1.4	3401.2	990.7	1141.1	1.93

APPENDIX A BLOWER PERFORMANCE DATA

8.5 TON AC

8.5T AC High Static | Motor 2.4 HP | Model: DSC102_HIGH

DOWNSHOT

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
PL Rated	TAP 1	0.2	2349.3	486.8	237.2	0.35
		0.4	2188.5	559.0	270.8	0.40
		0.6	2035.5	630.2	301.9	0.45
		0.8	1790.9	713.3	343.3	0.51
		1				
		1.2				
		1.4				
		1.6				
		1.8				

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
PL Max CFM	TAP 2	0.2	2553.2	511.5	290.9	0.43
		0.4	2400.3	579.3	324.7	0.49
		0.6	2255.6	646.3	357.2	0.55
		0.8	2037.8	722.7	399.2	0.61
		1	1833.5	786.4	427.3	0.67
		1.2				
		1.4				
		1.6				
		1.8				

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
Rated	TAP 3	0.2	3724.3	655.7	685.5	1.12
		0.4	3609.6	701.8	724.1	1.19
		0.6	3501.9	748.4	765.1	1.27
		0.8	3403.3	793.3	812.4	1.35
		1	3287.2	842.9	862.0	1.43
		1.2	3168.7	891.0	911.3	1.52
		1.4	3056.9	936.3	954.7	1.59
		1.6	2842.7	991.5	1003.5	1.69
		1.8	2731.7	1040.9	1042.3	1.77

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
400 CFM/Ton @ 1.4	TAP 4	0.2	4163.3	711.6	894.3	1.50
		0.4	4057.9	752.3	936.8	1.58
		0.6	3957.3	793.3	981.5	1.67
		0.8	3878.3	831.6	1032.0	1.75
		1	3781.5	875.9	1085.1	1.84
		1.2	3677.1	920.7	1140.1	1.94
		1.4	3575.5	966.1	1190.7	2.03
		1.6	3396.2	1004.4	1231.3	2.11
		1.8	3319.7	1052.5	1282.8	2.22

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
400 CFM/Ton	TAP 5	0.2	4233.2	720.7	932.6	1.57
		0.4	4128.8	760.7	975.9	1.66
		0.6	4028.7	801.0	1021.2	1.74
		0.8	3950.8	838.7	1072.3	1.82
		1	3855.9	882.2	1125.7	1.92
		1.2	3753.6	926.3	1181.4	2.02
		1.4	3653.5	971.4	1232.7	2.11
		1.6	3482.0	1007.9	1273.0	2.19
		1.8	3408.0	1055.5	1326.1	2.30

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
320 CFM/Ton	TAP 6	0.2	3656.4	647.2	657.2	1.06
		0.4	3539.9	694.3	695.3	1.14
		0.6	3430.8	741.9	735.8	1.22
		0.8	3327.5	788.1	782.7	1.30
		1	3207.5	838.5	831.4	1.38
		1.2	3086.6	887.1	879.8	1.46
		1.4	2973.2	932.0	921.7	1.53
		1.6	2755.3	990.6	972.5	1.63
		1.8	2636.6	1039.9	1009.0	1.71

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
350 CFM/Ton	TAP 7	0.2	3839.6	670.3	735.8	1.21
		0.4	3727.7	714.7	775.2	1.29
		0.6	3622.4	759.7	817.1	1.37
		0.8	3530.8	802.4	865.2	1.45
		1	3420.8	850.7	916.1	1.53
		1.2	3306.2	898.0	967.0	1.62
		1.4	3197.2	943.7	1012.7	1.70
		1.6	2990.0	993.5	1058.4	1.79
		1.8	2890.8	1043.0	1100.9	1.88

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
370 CFM/Ton	TAP 8	0.2	3965.8	686.3	794.3	1.31
		0.4	3856.7	729.1	834.8	1.40
		0.6	3753.6	772.4	877.8	1.48
		0.8	3668.4	813.1	926.7	1.56
		1	3564.2	859.9	978.7	1.65
		1.2	3453.7	906.3	1031.3	1.74
		1.4	3347.7	952.1	1079.2	1.82
		1.6	3149.9	996.8	1122.2	1.91
		1.8	3061.6	1046.0	1168.6	2.00

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
400 CFM/Ton @ 1.4	TAP 9	0.2	4163.3	711.6	894.3	1.50
		0.4	4057.9	752.3	936.8	1.58
		0.6	3957.3	793.3	981.5	1.67
		0.8	3878.3	831.6	1032.0	1.75
		1	3781.5	875.9	1085.1	1.84
		1.2	3677.1	920.7	1140.1	1.94
		1.4	3575.5	966.1	1190.7	2.03
		1.6	3396.2	1004.4	1231.3	2.11
		1.8	3319.7	1052.5	1282.8	2.22

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
400 CFM/Ton	TAP 10	0.2	4233.2	720.7	932.6	1.57
		0.4	4128.8	760.7	975.9	1.66
		0.6	4028.7	801.0	1021.2	1.74
		0.8	3950.8	838.7	1072.3	1.82
		1	3855.9	882.2	1125.7	1.92
		1.2	3753.6	926.3	1181.4	2.02
		1.4	3653.5	971.4	1232.7	2.11
		1.6	3482.0	1007.9	1273.0	2.19
		1.8	3408.0	1055.5	1326.1	2.30

HORIZONTAL

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
PL Rated	TAP 1	0.2	2353.2	511.1	251.9	0.37
		0.4	2244.6	575.4	274.0	0.41
		0.6	2096.3	645.1	309.5	0.46
		0.8	1837.0	725.4	341.0	0.52
		1				
		1.2				
		1.4				
		1.6				
		1.8				

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
PL Max CFM	TAP 2	0.2	2547.7	539.2	309.4	0.46
		0.4	2439.1	599.5	333.7	0.51
		0.6	2302.2	664.1	368.1	0.56
		0.8	2080.1	737.0	404.0	0.62
		1	1907.1	800.5	437.3	0.68
		1.2	1759.9	851.0	460.7	0.72
		1.4				
		1.6				
		1.8				

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
Rated	TAP 3	0.2	3670.2	702.1	734.3	1.19
		0.4	3569.2	743.0	772.0	1.26
		0.6	3486.9	783.5	805.7	1.33
		0.8	3423.5	823.0	859.5	1.40
		1	3324.3	869.5	903.6	1.48
		1.2	3229.3	913.5	935.4	1.55
		1.4	3063.6	973.1	990.7	1.66
		1.6	2945.5	1019.3	1036.5	1.73
		1.8	2816.7	1062.1	1075.1	1.81

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
400 CFM/Ton @ 1.4	TAP 4	0.2	4094.9	764.3	960.0	1.61
		0.4	4002.2	800.5	1003.5	1.68
		0.6	3932.8	835.8	1040.9	1.76
		0.8	3890.3	868.6	1096.2	1.83
		1	3810.1	908.6	1141.4	1.91
		1.2	3725.6	948.9	1177.0	2.00
		1.4	3593.4	1001.6	1238.0	2.11
		1.6	3487.8	1045.3	1288.0	2.20
		1.8	3403.5	1076.6	1315.9	2.27

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
400 CFM/Ton	TAP 5	0.2	4162.8	774.3	1001.5	1.68
		0.4	4071.9	809.9	1046.0	1.76
		0.6	4003.9	844.8	1084.3	1.84
		0.8	3961.5	877.0	1139.4	1.91
		1	3883.6	916.0	1184.5	1.99
		1.2	3800.0	955.6	1220.8	2.08
		1.4	3675.0	1006.5	1282.5	2.19
		1.6	3572.0	1049.5	1332.8	2.28
		1.8	3491.9	1080.0	1360.1	2.35

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
320 CFM/Ton	TAP 6	0.2	3604.8	692.5	703.7	1.14
		0.4	3502.8	734.3	740.6	1.21
		0.6	3418.1	775.9	774.0	1.28
		0.8	3348.9	816.8	827.3	1.34
		1	3246.2	864.3	870.9	1.42
		1.2	3149.0	908.8	902.2	1.49
		1.4	2979.6	969.0	956.5	1.59
		1.6	2860.0	1015.3	1001.3	1.67
		1.8	2722.2	1060.7	1042.4	1.74

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
350 CFM/Ton	TAP 7	0.2	3781.4	718.3	788.5	1.29
		0.4	3682.1	757.8	827.8	1.36
		0.6	3603.9	796.7	862.1	1.43
		0.8	3548.8	833.9	916.7	1.50
		1	3455.3	878.8	961.3	1.58
		1.2	3363.7	921.9	994.1	1.66
		1.4	3205.1	980.3	1051.1	1.77
		1.6	3089.8	1026.1	1098.2	1.85
		1.8	2975.3	1065.0	1133.1	1.92

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
370 CFM/Ton	TAP 8	0.2	3903.4	736.2	851.7	1.41
		0.4	3806.5	774.2	892.6	1.48
		0.6	3732.1	811.5	927.9	1.55
		0.8	3684.0	846.7	983.1	1.62
		1	3596.1	889.7	1028.1	1.70
		1.2	3507.8	931.8	1061.9	1.78
		1.4	3358.3	988.4	1120.6	1.89
		1.6	3246.4	1033.5	1169.1	1.98
		1.8	3145.6	1068.9	1200.6	2.05

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
400 CFM/Ton @ 1.4	TAP 9	0.2	4094.9	764.3	960.0	1.61
		0.4	4002.2	800.5	1003.5	1.68
		0.6	3932.8	835.8	1040.9	1.76
		0.8	3890.3	868.6	1096.2	1.83
		1	3810.1	908.6	1141.4	1.91
		1.2	3725.6	948.9	1177.0	2.00
		1.4	3593.4	1001.6	1238.0	2.11
		1.6	3487.8	1045.3	1288.0	2.20
		1.8	3403.5	1076.6	1315.9	2.27

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
400 CFM/Ton	TAP 10	0.2	4162.8	774.3	1001.5	1.68
		0.4	4071.9	809.9	1046.0	1.76
		0.6	4003.9	844.8	1084.3	1.84
		0.8	3961.5	877.0	1139.4	1.91
		1	3883.6	916.0	1184.5	1.99
		1.2	3800.0	955.6	1220.8	2.08
		1.4	3675.0	1006.5	1282.5	2.19
		1.6	3572.0	1049.5	1332.8	2.28
		1.8	3491.9	1080.0	1360.1	2.35

APPENDIX A BLOWER PERFORMANCE DATA
10 TON AC

10T AC Standard Static | Motor 2.4 HP | Model: DSC120_STD

DOWNSHOT

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
PL Rated	TAP 1	0.2	2154.1	434.4	172.3	0.24
		0.4				
		0.6				
		0.8				
PL Max CFM	TAP 2	0.2	2471.3	466.7	232.0	0.34
		0.4	2292.9	546.0	268.3	0.40
		0.6				
		0.8				
Rated	TAP 3	0.2	3557.9	578.9	510.4	0.85
		0.4	3437.1	641.5	562.0	0.94
		0.6	3284.1	701.8	603.1	1.03
		0.8	3163.0	755.0	646.7	1.11
400 CFM/Ton @ 0.6 ESP	TAP 4	0.2	4202.8	647.3	756.6	1.29
		0.4	4100.5	700.7	815.5	1.39
		0.6	4010.1	746.0	863.5	1.48
		0.8	3902.9	796.2	914.4	1.58
400 CFM/Ton @ 0.8 ESP	TAP 5	0.2	4308.3	658.6	805.5	1.37
		0.4	4207.3	710.6	865.6	1.48
		0.6	4121.8	754.6	915.5	1.57
		0.8	4015.0	804.0	967.3	1.67
320 CFM/Ton	TAP 6	0.2	3720.2	595.9	565.0	0.95
		0.4	3605.5	656.2	618.6	1.04
		0.6	3472.7	711.7	660.7	1.13
		0.8	3356.7	764.4	706.4	1.21
350 CFM/Ton	TAP 7	0.2	3992.4	624.7	667.0	0.99
		0.4	3885.8	681.1	723.8	1.08
		0.6	3780.6	730.1	768.7	1.16
		0.8	3670.9	781.6	817.5	1.24
370 CFM/Ton	TAP 8	0.2	4192.1	646.1	751.7	1.28
		0.4	4089.6	699.7	810.6	1.38
		0.6	3998.6	745.1	858.4	1.47
		0.8	3891.3	795.4	909.2	1.57
400 CFM/Ton @ 0.6 ESP	TAP 9	0.2	4202.8	647.3	756.6	1.29
		0.4	4100.5	700.7	815.5	1.39
		0.6	4010.1	746.0	863.5	1.48
		0.8	3902.9	796.2	914.4	1.58
400 CFM/Ton @ 0.8 ESP	TAP 10	0.2	4308.3	658.6	805.5	1.37
		0.4	4207.3	710.6	865.6	1.48
		0.6	4121.8	754.6	915.5	1.57
		0.8	4015.0	804.0	967.3	1.67

HORIZONTAL

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
PL Rated	TAP 1	0.2	2099.0	439.9	228.0	0.24
		0.4				
		0.6				
		0.8				
PL Max CFM	TAP 2	0.2	2397.2	474.9	269.3	0.35
		0.4	2148.1	577.7	327.3	0.42
		0.6				
		0.8				
Rated	TAP 3	0.2	3418.9	596.4	508.0	0.87
		0.4	3305.7	652.1	553.4	0.95
		0.6	3142.7	716.8	606.8	1.05
		0.8	3019.6	766.3	643.2	1.12
400 CFM/Ton @ 0.6 ESP	TAP 4	0.2	4025.7	670.5	848.0	1.33
		0.4	3949.9	710.2	893.7	1.41
		0.6	3822.5	763.8	951.3	1.52
		0.8	3712.7	808.9	1014.7	1.61
400 CFM/Ton @ 0.8 ESP	TAP 5	0.2	4125.1	682.8	807.7	1.42
		0.4	4050.7	721.2	852.8	1.50
		0.6	3927.4	772.8	910.2	1.61
		0.8	3818.0	817.1	972.8	1.70
320 CFM/Ton	TAP 6	0.2	3571.6	614.9	560.7	0.98
		0.4	3471.7	665.5	605.3	1.06
		0.6	3319.1	727.5	660.0	1.15
		0.8	3200.8	776.1	704.4	1.23
350 CFM/Ton	TAP 7	0.2	3827.7	646.1	662.9	1.03
		0.4	3744.5	689.7	706.9	1.09
		0.6	3607.4	747.0	763.3	1.19
		0.8	3495.1	793.8	818.5	1.26
370 CFM/Ton	TAP 8	0.2	4015.6	669.3	750.6	1.32
		0.4	3939.5	709.1	795.1	1.40
		0.6	3811.7	762.9	852.3	1.51
		0.8	3701.9	808.1	912.9	1.60
400 CFM/Ton @ 0.6 ESP	TAP 9	0.2	4025.7	670.5	848.0	1.33
		0.4	3949.9	710.2	893.7	1.41
		0.6	3822.5	763.8	951.3	1.52
		0.8	3712.7	808.9	1014.7	1.61
400 CFM/Ton @ 0.8 ESP	TAP 10	0.2	4125.1	682.8	807.7	1.42
		0.4	4050.7	721.2	852.8	1.50
		0.6	3927.4	772.8	910.2	1.61
		0.8	3818.0	817.1	972.8	1.70

APPENDIX A BLOWER PERFORMANCE DATA
10 TON AC

10T AC Medium Static | Motor 3.5 HP | Model: DSC120_MED

DOWNSHOT

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
PL Rated	TAP 1	0.2	2471.3	466.7	232.0	0.34
		0.4	2292.9	546.0	268.3	0.40
		0.6				
		0.8				
		1				
		1.2				
		1.4				

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
PL CFM Max	TAP 2	0.2	2788.9	499.2	300.2	0.46
		0.4	2629.9	573.5	341.3	0.53
		0.6	2351.0	662.9	382.1	0.61
		0.8	2195.2	716.7	414.4	0.66
		1				
		1.2				
		1.4				

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
Rated @ 0.8 ESP	TAP 3	0.2	3864.6	611.2	617.4	1.02
		0.4	3754.6	669.4	672.7	1.12
		0.6	3637.5	721.2	716.1	1.20
		0.8	3525.2	773.3	763.5	1.29
		1	3321.7	842.5	820.3	1.41
		1.2	3193.2	892.9	870.6	1.49
		1.4	2945.2	965.4	934.3	1.61

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
400 CFM/Ton @ 1.2 ESP	TAP 4	0.2	4556.3	685.7	933.7	1.56
		0.4	4455.8	734.4	996.0	1.67
		0.6	4373.8	777.2	1051.7	1.77
		0.8	4265.0	824.2	1105.1	1.87
		1	4121.0	879.2	1165.1	2.00
		1.2	4013.2	925.5	1221.8	2.10
		1.4	3807.0	986.7	1292.2	2.24

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
400 CFM/Ton	TAP 5	0.2	4738.4	705.9	1042.2	1.74
		0.4	4635.5	752.3	1105.7	1.85
		0.6	4547.3	796.0	1167.0	1.96
		0.8	4434.0	840.8	1221.3	2.07
		1	4311.1	889.3	1280.9	2.19
		1.2	4201.5	933.7	1337.7	2.30
		1.4	4019.9	986.6	1406.3	2.43

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
320 CFM/Ton	TAP 6	0.2	4202.8	647.3	756.6	1.26
		0.4	4100.5	700.7	815.5	1.37
		0.6	4010.1	746.0	863.5	1.45
		0.8	3902.9	796.2	914.4	1.55
		1	3725.1	860.2	973.5	1.68
		1.2	3611.2	909.1	1027.9	1.77
		1.4	3375.2	979.4	1097.0	1.91

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
350 CFM/Ton	TAP 7	0.2	4359.7	664.2	830.5	1.39
		0.4	4259.1	715.5	891.1	1.49
		0.6	4175.3	759.1	942.0	1.59
		0.8	4068.4	808.0	994.2	1.69
		1	3904.7	868.6	1053.9	1.81
		1.2	3794.8	916.5	1109.6	1.91
		1.4	3569.4	983.7	1180.0	2.05

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
370 CFM/Ton	TAP 8	0.2	4459.8	675.1	881.5	1.47
		0.4	4359.6	725.1	942.9	1.58
		0.6	4277.7	768.0	996.1	1.68
		0.8	4170.2	816.0	1049.0	1.78
		1	4016.1	873.9	1109.0	1.91
		1.2	3907.8	921.1	1165.2	2.01
		1.4	3691.3	985.6	1235.9	2.15

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
400 CFM/Ton @ 1.2 ESP	TAP 9	0.2	4556.3	685.7	933.7	1.56
		0.4	4455.8	734.4	996.0	1.67
		0.6	4373.8	777.2	1051.7	1.77
		0.8	4265.0	824.2	1105.1	1.87
		1	4121.0	879.2	1165.1	2.00
		1.2	4013.2	925.5	1221.8	2.10
		1.4	3807.0	986.7	1292.2	2.24

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
400 CFM/Ton	TAP 10	0.2	4738.4	705.9	1042.2	1.74
		0.4	4635.5	752.3	1105.7	1.85
		0.6	4547.3	796.0	1167.0	1.96
		0.8	4434.0	840.8	1221.3	2.07
		1	4311.1	889.3	1280.9	2.19
		1.2	4201.5	933.7	1337.7	2.30
		1.4	4019.9	986.6	1406.3	2.43

HORIZONTAL

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
PL Rated	TAP 1	0.2	2397.2	474.9	269.3	0.34
		0.4	2148.1	577.7	327.3	0.42
		0.6				
		0.8				
		1				
		1.2				
		1.4				

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
PL CFM Max	TAP 2	0.2	2695.8	510.1	321.9	0.47
		0.4	2493.4	597.2	375.2	0.55
		0.6	2271.6	673.8	420.7	0.62
		0.8	2115.6	726.4	406.9	0.67
		1				
		1.2				
		1.4				

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
Rated @ 0.8 ESP	TAP 3	0.2	3707.4	631.4	612.6	1.05
		0.4	3617.4	678.0	656.8	1.13
		0.6	3473.3	737.6	712.4	1.23
		0.8	3358.6	785.2	763.0	1.31
		1	3124.7	863.8	836.7	1.44
		1.2	2912.5	925.2	895.9	1.55
		1.4	2749.8	974.5	947.6	1.63

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
400 CFM/Ton @ 1.2 ESP	TAP 4	0.2	4358.6	712.1	946.8	1.62
		0.4	4280.6	749.3	994.4	1.70
		0.6	4164.4	796.1	1051.9	1.81
		0.8	4053.3	837.9	1115.4	1.91
		1	3889.4	899.8	1189.0	2.05
		1.2	3711.4	954.9	1257.6	2.17
		1.4	3593.0	1003.1	1317.2	2.28

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
400 CFM/Ton	TAP 5	0.2	4530.1	734.0	1067.8	1.81
		0.4	4441.9	772.4	1118.3	1.90
		0.6	4328.1	815.4	1175.3	2.01
		0.8	4212.9	855.0	1235.8	2.10
		1	4077.6	908.2	1305.2	2.23
		1.2	3913.8	961.0	1375.1	2.36
		1.4	3807.5	1007.4	1434.7	2.48

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
320 CFM/Ton	TAP 6	0.2	4025.7	670.5	755.7	1.31
		0.4	3949.9	710.2	800.3	1.38
		0.6	3822.5	763.8	857.5	1.49
		0.8	3712.7	808.9	918.3	1.58
		1	3506.7	882.1	994.5	1.72
		1.2	3308.0	940.8	1059.0	1.83
		1.4	3166.7	990.5	1115.9	1.93

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
350 CFM/Ton	TAP 7	0.2	4173.5	688.9	834.4	1.44
		0.4	4099.2	726.7	879.9	1.52
		0.6	3977.7	777.4	937.5	1.62
		0.8	3868.3	821.2	1000.7	1.72
		1	3679.0	890.2	1076.5	1.86
		1.2	3488.6	947.3	1143.1	1.98
		1.4	3357.3	996.7	1201.5	2.08

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
370 CFM/Ton	TAP 8	0.2	4267.7	700.7	889.6	1.53
		0.4	4192.4	737.9	936.0	1.61
		0.6	4073.9	786.7	993.6	1.72
		0.8	3964.0	829.5	1057.3	1.81
		1	3787.0	895.2	1132.3	1.95
		1.2	3602.5	951.3	1200.0	2.08
		1.4	3477.8	1000.2	1259.1	2.18

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
400 CFM/Ton @ 1.2 ESP	TAP 9	0.2	4358.6	712.1	946.8	1.62
		0.4	4280.6	749.3	994.4	1.70
		0.6	4164.4	796.1	1051.9	1.81
		0.8	4053.3	837.9	1115.4	1.91
		1	3889.4	899.8	1189.0	2.05
		1.2	3711.4	954.9	1257.6	2.17
		1.4	3593.0	1003.1	1317.2	2.28

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
400 CFM/Ton	TAP 10	0.2	4530.1	734.0	1067.8	1.81
		0.4	4441.9	772.4	1118.3	1.90
		0.6	4328.1	815.4	1175.3	2.01
		0.8	4212.9	855.0	1235.8	2.10
		1	4077.6	908.2	1305.2	2.23
		1.2	3913.8	961.0	1375.1	2.36
		1.4	3807.5	1007.4	1434.7	2.48

APPENDIX A BLOWER PERFORMANCE DATA
10 TON AC

10T AC High Static | Motor 3.5 HP | Model: DSC120_HIGH

DOWNSHOT

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
PL Rated	TAP 1	0.2	2586.6	478.5	255.7	0.38
		0.4	2415.4	556.0	293.8	0.44
		0.6	2096.8	654.4	335.5	0.52
		0.8				
		1				
		1.2				
		1.4				
		1.6				
		1.8				

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
PL Max CFM	TAP 2	0.2	2876.7	508.2	320.8	0.50
		0.4	2722.8	581.2	363.1	0.57
		0.6	2460.3	666.8	403.7	0.65
		0.8	2309.3	720.6	437.3	0.70
		1	2054.2	792.6	481.6	0.77
		1.2				
		1.4				
		1.6				
		1.8				

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
Rated	TAP 3	0.2	3998.1	625.3	669.3	1.11
		0.4	3891.7	681.6	726.2	1.21
		0.6	3786.9	730.5	771.1	1.30
		0.8	3677.3	781.9	820.0	1.39
		1	3483.3	849.4	877.8	1.51
		1.2	3361.5	899.3	929.9	1.60
		1.4	3116.6	971.6	996.2	1.73
		1.6	2988.6	1013.8	1039.7	1.80
		1.8	2684.1	1082.5	1114.9	1.92

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
400 CFM/Ton @ 1.6	TAP 4	0.2	4824.0	715.5	1098.3	1.83
		0.4	4719.0	760.8	1162.4	1.94
		0.6	4624.7	805.8	1226.8	2.06
		0.8	4508.1	849.3	1281.3	2.17
		1	4396.2	894.1	1340.4	2.28
		1.2	4284.3	937.4	1397.0	2.39
		1.4	4117.2	985.4	1464.1	2.52
		1.6	4007.9	1028.0	1519.5	2.62
		1.8	3799.2	1085.2	1593.2	2.77

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
400 CFM/Ton	TAP 5	0.2	4949.6	729.8	1188.0	1.97
		0.4	4840.1	773.6	1252.7	2.09
		0.6	4732.3	821.3	1322.3	2.21
		0.8	4609.4	862.7	1376.9	2.33
		1	4515.2	901.3	1435.0	2.43
		1.2	4397.8	942.8	1490.8	2.54
		1.4	4255.9	981.8	1554.6	2.65
		1.6	4147.2	1024.7	1611.9	2.76
		1.8	4001.3	1074.6	1678.2	2.90

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
320 CFM/Ton	TAP 6	0.2	3876.4	612.4	621.8	1.03
		0.4	3766.7	670.4	677.3	1.13
		0.6	3650.8	722.0	720.8	1.21
		0.8	3538.8	774.0	768.4	1.30
		1	3336.1	843.1	825.2	1.42
		1.2	3208.3	893.5	875.8	1.50
		1.4	2960.5	966.0	939.6	1.62
		1.6	2828.3	1008.2	981.6	1.69
		1.8	2540.8	1075.0	1052.3	1.81

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
350 CFM/Ton	TAP 7	0.2	4093.7	635.5	708.9	1.18
		0.4	3989.4	690.5	766.7	1.28
		0.6	3892.1	737.5	813.0	1.37
		0.8	3783.9	788.4	862.8	1.46
		1	3597.2	854.4	921.3	1.59
		1.2	3479.4	903.9	974.5	1.68
		1.4	3238.0	975.5	1042.3	1.81
		1.6	3113.1	1017.7	1087.2	1.89
		1.8	2799.7	1087.4	1165.1	2.02

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
370 CFM/Ton	TAP 8	0.2	4277.1	655.3	790.7	1.32
		0.4	4175.7	707.7	850.4	1.43
		0.6	4088.9	752.0	899.8	1.51
		0.8	3982.1	801.7	951.3	1.61
		1	3810.8	864.1	1010.7	1.74
		1.2	3699.0	912.6	1065.8	1.84
		1.4	3467.5	981.6	1135.6	1.98
		1.6	3348.0	1023.8	1183.0	2.06
		1.8	3029.4	1094.0	1264.6	2.20

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
400 CFM/Ton @ 1.6	TAP 9	0.2	4824.0	715.5	1098.3	1.83
		0.4	4719.0	760.8	1162.4	1.94
		0.6	4624.7	805.8	1226.8	2.06
		0.8	4508.1	849.3	1281.3	2.17
		1	4396.2	894.1	1340.4	2.28
		1.2	4284.3	937.4	1397.0	2.39
		1.4	4117.2	985.4	1464.1	2.52
		1.6	4007.9	1028.0	1519.5	2.62
		1.8	3799.2	1085.2	1593.2	2.77

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
400 CFM/Ton	TAP 10	0.2	4949.6	729.8	1188.0	1.97
		0.4	4840.1	773.6	1252.7	2.09
		0.6	4732.3	821.3	1322.3	2.21
		0.8	4609.4	862.7	1376.9	2.33
		1	4515.2	901.3	1435.0	2.43
		1.2	4397.8	942.8	1490.8	2.54
		1.4	4255.9	981.8	1554.6	2.65
		1.6	4147.2	1024.7	1611.9	2.76
		1.8	4001.3	1074.6	1678.2	2.90

HORIZONTAL

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
PL Rated	TAP 1	0.2	2505.5	487.7	287.0	0.39
		0.4	2273.9	584.6	343.2	0.46
		0.6	2034.5	664.1	386.2	0.53
		0.8				
		1				
		1.2				
		1.4				
		1.6				
		1.8				

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
PL Max CFM	TAP 2	0.2	2778.3	519.9	338.7	0.51
		0.4	2587.9	602.9	390.7	0.59
		0.6	2373.5	678.2	437.3	0.66
		0.8	2222.0	730.5	430.1	0.71
		1				
		1.2				
		1.4				
		1.6				
		1.8				

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
Rated	TAP 3	0.2	3833.1	646.8	665.2	1.15
		0.4	3750.2	690.2	709.3	1.23
		0.6	3613.3	747.5	765.7	1.33
		0.8	3501.1	794.2	821.0	1.41
		1	3277.0	871.2	896.2	1.55
		1.2	3069.5	931.6	957.6	1.66
		1.4	2915.2	981.2	1011.7	1.74
		1.6	2633.4	1045.9	1079.2	1.86
		1.8	2422.4	1091.6	1116.0	1.94

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
400 CFM/Ton @ 1.6	TAP 4	0.2	4610.8	744.4	1131.4	1.90
		0.4	4515.0	784.1	1183.7	2.00
		0.6	4401.3	825.3	1240.3	2.11
		0.8	4283.1	863.8	1298.1	2.20
		1	4163.4	911.9	1364.6	2.33
		1.2	4007.3	963.5	1434.9	2.46
		1.4	3906.8	1008.7	1494.0	2.57
		1.6	3680.0	1059.2	1550.7	2.70
		1.8	3495.2	1113.5	1624.4	2.84

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
400 CFM/Ton	TAP 5	0.2	4729.2	759.8	1234.3	2.05
		0.4	4618.3	802.6	1289.9	2.16
		0.6	4503.4	840.9	1345.4	2.27
		0.8	4379.3	877.6	1397.5	2.37
		1	4285.5	917.0	1458.6	2.47
		1.2	4142.1	966.6	1529.1	2.61
		1.4	4050.2	1009.8	1587.0	2.72
		1.6	3853.7	1053.0	1635.7	2.84
		1.8	3678.5	1109.1	1718.3	2.99

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
320 CFM/Ton	TAP 6	0.2	3718.5	632.8	617.1	1.06
		0.4	3629.2	679.0	661.2	1.14
		0.6	3485.8	738.4	716.9	1.24
		0.8	3371.3	786.0	768.0	1.32
		1	3138.3	864.5	841.8	1.45
		1.2	2926.4	925.8	901.2	1.56
		1.4	2764.4	975.1	953.2	1.64
		1.6	2488.6	1038.7	1018.3	1.75
		1.8	2277.3	1083.5	1051.8	1.82

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
350 CFM/Ton	TAP 7	0.2	3923.0	657.8	705.9	1.22
		0.4	3844.1	699.3	750.1	1.30
		0.6	3711.9	754.9	806.9	1.40
		0.8	3601.1	800.9	865.1	1.49
		1	3384.9	876.3	941.0	1.63
		1.2	3181.3	935.9	1003.9	1.74
		1.4	3033.0	985.7	1059.4	1.83
		1.6	2748.5	1050.9	1128.3	1.95
		1.8	2538.1	1097.4	1168.0	2.04

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
370 CFM/Ton	TAP 8	0.2	4095.6	679.2	791.9	1.37
		0.4	4021.0	717.9	836.8	1.45
		0.6	3896.5	770.1	894.2	1.55
		0.8	3787.1	814.6	956.3	1.64
		1	3588.7	886.0	1032.5	1.78
		1.2	3393.7	943.9	1098.0	1.90
		1.4	3257.2	993.5	1155.7	2.00
		1.6	2972.9	1058.3	1225.7	2.13
		1.8	2765.2	1106.4	1271.7	2.23

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
400 CFM/Ton @ 1.6	TAP 9	0.2	4610.8	744.4	1131.4	1.90
		0.4	4515.0	784.1	1183.7	2.00
		0.6	4401.3	825.3	1240.3	2.11
		0.8	4283.1	863.8	1298.1	2.20
		1	4163.4	911.9	1364.6	2.33
		1.2	4007.3	963.5	1434.9	2.46
		1.4	3906.8	1008.7	1494.0	2.57
		1.6	3680.0	1059.2	1550.7	2.70
		1.8	3495.2	1113.5	1624.4	2.84

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
400 CFM/Ton	TAP 10	0.2	4729.2	759.8	1234.3	2.05
		0.4	4618.3	802.6	1289.9	2.16
		0.6	4503.4	840.9	1345.4	2.27
		0.8	4379.3	877.6	1397.5	2.37
		1	4285.5	917.0	1458.6	2.47
		1.2	4142.1	966.6	1529.1	2.61
		1.4	4050.2	1009.8	1587.0	2.72
		1.6	3853.7	1053.0	1635.7	2.84
		1.8	3678.5	1109.1	1718.3	2.99

APPENDIX A BLOWER PERFORMANCE DATA

12.5 TON AC

12.5T AC Standard Static | Motor 3.5 HP | Model: DSC150_STD

DOWNSHOT

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
PL Rated @ 0.15	TAP 1	0.2	2158.1	453.9	184.5	0.25
		0.4	1860.0	565.3	228.4	0.31
		0.6	1532.3	656.6	263.5	0.37
		0.8	1322.6	710.0	289.8	0.40
PL Rated (Max CFM) @ 0.35 ESP	TAP 2	0.2	2501.2	490.9	256.6	0.37
		0.4	2252.9	585.8	299.1	0.44
		0.6	1977.1	669.2	338.7	0.51
		0.8	1761.5	728.6	372.8	0.55
Rated @ .35 ESP	TAP 3	0.2	4373.2	699.8	914.2	1.49
		0.4	4291.5	740.1	970.7	1.58
		0.6	4199.5	786.7	1024.0	1.68
		0.8	4047.1	845.2	1087.3	1.80
370 CFM/Ton @.6	TAP 4	0.2	4882.7	761.2	1258.8	2.05
		0.4	4780.7	808.8	1332.8	2.18
		0.6	4676.2	849.3	1383.0	2.29
		0.8	4601.1	886.1	1446.1	2.39
370 CFM/Ton @ .8	TAP 5	0.2	4953.8	770.2	1320.7	2.14
		0.4	4843.5	820.6	1398.2	2.29
		0.6	4732.0	860.6	1447.5	2.40
		0.8	4672.8	892.6	1509.8	2.49
320 CFM/Ton	TAP 6	0.2	4373.2	699.8	914.2	1.49
		0.4	4291.5	740.1	970.7	1.58
		0.6	4199.5	786.7	1024.0	1.68
		0.8	4047.1	845.2	1087.3	1.80
340 CFM/Ton	TAP 7	0.2	4602.8	727.0	1052.3	1.55
		0.4	4518.7	768.3	1115.2	1.64
		0.6	4427.6	811.7	1167.8	1.73
		0.8	4303.8	862.6	1231.9	1.84
350 CFM/Ton	TAP 8	0.2	4728.6	742.2	1138.9	1.86
		0.4	4639.0	785.5	1206.3	1.97
		0.6	4544.2	827.5	1258.1	2.07
		0.8	4440.1	872.9	1322.0	2.19
370 CFM/Ton @.6	TAP 9	0.2	4882.7	761.2	1258.8	2.05
		0.4	4780.7	808.8	1332.8	2.18
		0.6	4676.2	849.3	1383.0	2.29
		0.8	4601.1	886.1	1446.1	2.39
370 CFM/Ton a@ .8	TAP 10	0.2	4953.8	770.2	1320.7	2.14
		0.4	4843.5	820.6	1398.2	2.29
		0.6	4732.0	860.6	1447.5	2.40
		0.8	4672.8	892.6	1509.8	2.49

HORIZONTAL

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
PL Rated @ 0.15	TAP 1	0.2	2123.9	462.4	190.2	0.26
		0.4	1926.4	534.1	216.4	0.30
		0.6	1608.9	624.8	251.6	0.35
		0.8	1383.2	692.3	281.2	0.39
PL Rated (Max CFM) @ 0.35 ESP	TAP 2	0.2	2446.6	503.3	273.1	0.38
		0.4	2274.7	569.7	300.9	0.43
		0.6	2009.7	649.6	335.1	0.49
		0.8	1810.1	712.6	367.4	0.54
Rated @ .35 ESP	TAP 3	0.2	4258.3	735.7	964.3	1.57
		0.4	4177.4	777.0	1005.3	1.66
		0.6	4102.9	816.0	1051.6	1.74
		0.8	4012.5	858.1	1103.0	1.83
370 CFM/Ton @.6	TAP 4	0.2	4783.8	804.8	1302.3	2.17
		0.4	4696.8	841.6	1349.7	2.27
		0.6	4614.0	881.1	1410.1	2.37
		0.8	4532.3	919.6	1469.6	2.48
370 CFM/Ton @ .8	TAP 5	0.2	4859.8	815.0	1361.9	2.27
		0.4	4769.4	851.3	1410.4	2.37
		0.6	4680.5	891.8	1473.7	2.48
		0.8	4598.2	930.0	1534.6	2.59
320 CFM/Ton	TAP 6	0.2	4258.3	735.7	964.3	1.57
		0.4	4177.4	777.0	1005.3	1.66
		0.6	4102.9	816.0	1051.6	1.74
		0.8	4012.5	858.1	1103.0	1.83
340 CFM/Ton	TAP 7	0.2	4491.7	766.3	1101.0	1.64
		0.4	4411.2	805.2	1144.6	1.72
		0.6	4339.3	843.3	1196.1	1.80
		0.8	4254.9	883.5	1250.9	1.89
350 CFM/Ton	TAP 8	0.2	4621.8	783.4	1185.9	1.96
		0.4	4539.6	821.3	1231.1	2.06
		0.6	4465.1	859.5	1286.2	2.15
		0.8	4382.7	898.9	1343.0	2.25
350 CFM/Ton	TAP 9	0.2	4783.8	804.8	1302.3	2.17
		0.4	4696.8	841.6	1349.7	2.27
		0.6	4614.0	881.1	1410.1	2.37
		0.8	4532.3	919.6	1469.6	2.48
370 CFM/Ton	TAP 10	0.2	4859.8	815.0	1361.9	2.27
		0.4	4769.4	851.3	1410.4	2.37
		0.6	4680.5	891.8	1473.7	2.48
		0.8	4598.2	930.0	1534.6	2.59

APPENDIX A BLOWER PERFORMANCE DATA

12.5 TON AC

12.5T AC Medium Static | Motor 5 HP | Model: DSC150_MED

DOWNSHOT

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
PL Rated	TAP 1	0.2	2542.9	482.5	250.6	0.39
		0.4	2344.0	560.9	287.8	0.45
		0.6	2081.8	652.9	336.5	0.53
		0.8	1821.6	727.4	380.9	0.59
		1	1632.0	773.1	404.4	0.63
		1.2	1380.0	832.3	441.0	0.67
		1.4				

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
PL CFM Max	TAP 2	0.2	2845.3	516.5	341.6	0.50
		0.4	2659.0	589.2	381.8	0.57
		0.6	2424.9	673.0	431.9	0.65
		0.8	2185.1	743.4	477.3	0.72
		1	2004.3	789.7	507.5	0.77
		1.2	1757.7	849.4	548.8	0.83
		1.4	1538.7	892.5	582.3	0.87

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
Rated @ 0.8 ESP	TAP 3	0.2	4522.1	708.7	1010.1	1.46
		0.4	4399.5	753.7	1068.1	1.55
		0.6	4294.7	798.8	1127.0	1.64
		0.8	4157.5	847.9	1183.8	1.74
		1	4026.5	894.8	1247.0	1.84
		1.2	3825.7	951.8	1307.7	1.96
		1.4	3670.5	996.0	1370.1	2.05

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
400 CFM/Ton@1.2	TAP 4	0.2	5513.2	828.3	1670.3	2.46
		0.4	5417.8	863.2	1741.4	2.57
		0.6	5346.3	896.4	1806.7	2.66
		0.8	5252.9	935.2	1879.4	2.78
		1	5152.9	977.6	1955.0	2.90
		1.2	5004.6	1024.5	2017.7	3.04
		1.4	4882.6	1065.8	2088.5	3.17

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
400 CFM/Ton@1.4	TAP 5	0.2	5616.0	841.3	1765.3	2.60
		0.4	5522.3	875.8	1838.0	2.71
		0.6	5450.0	908.8	1904.1	2.81
		0.8	5359.4	946.8	1979.4	2.93
		1	5262.9	988.2	2055.6	3.06
		1.2	5122.5	1033.3	2117.4	3.20
		1.4	5003.5	1073.9	2188.3	3.32

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
320 CFM/Ton	TAP 6	0.2	4880.6	751.1	1211.1	1.76
		0.4	4769.4	791.5	1273.4	1.86
		0.6	4682.8	830.8	1334.5	1.95
		0.8	4563.9	875.9	1395.7	2.06
		1	4443.8	921.8	1464.4	2.16
		1.2	4258.5	976.4	1527.2	2.29
		1.4	4115.9	1020.0	1593.9	2.39

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
350 CFM/Ton	TAP 7	0.2	5214.7	791.4	1431.9	2.10
		0.4	5112.7	828.4	1498.7	2.20
		0.6	5037.6	863.5	1561.9	2.29
		0.8	4933.5	905.1	1628.5	2.40
		1	4824.0	949.5	1701.4	2.52
		1.2	4656.1	1000.8	1764.9	2.66
		1.4	4524.8	1043.5	1834.4	2.77

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
370 CFM/Ton	TAP 8	0.2	5412.7	815.8	1584.5	2.33
		0.4	5315.3	851.2	1654.1	2.43
		0.6	5243.5	884.8	1718.7	2.53
		0.8	5146.9	924.5	1789.1	2.64
		1	5043.6	967.7	1864.0	2.77
		1.2	4888.2	1016.3	1927.1	2.91
		1.4	4763.2	1058.1	1997.7	3.03

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
400 CFM/Ton@1.2	TAP 9	0.2	5513.2	828.3	1670.3	2.46
		0.4	5417.8	863.2	1741.4	2.57
		0.6	5346.3	896.4	1806.7	2.66
		0.8	5252.9	935.2	1879.4	2.78
		1	5152.9	977.6	1955.0	2.90
		1.2	5004.6	1024.5	2017.7	3.04
		1.4	4882.6	1065.8	2088.5	3.17

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
400 CFM/Ton@1.4	TAP 10	0.2	5616.0	841.3	1765.3	2.60
		0.4	5522.3	875.8	1838.0	2.71
		0.6	5450.0	908.8	1904.1	2.81
		0.8	5359.4	946.8	1979.4	2.93
		1	5262.9	988.2	2055.6	3.06
		1.2	5122.5	1033.3	2117.4	3.20
		1.4	5003.5	1073.9	2188.3	3.32

HORIZONTAL

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
PL Rated	TAP 1	0.2	2459.6	510.2	266.8	0.41
		0.4	2227.6	602.4	321.2	0.49
		0.6	1971.8	686.7	368.4	0.56
		0.8	1804.1	742.3	401.1	0.60
		1	1609.6	796.5	435.1	0.64
		1.2	1394.9	851.7	463.8	0.69
		1.4	1312.7	904.0	476.9	0.73

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
PL CFM Max	TAP 2	0.2	2748.2	548.2	365.6	0.53
		0.4	2542.5	631.3	414.5	0.61
		0.6	2310.9	708.7	461.5	0.69
		0.8	2154.8	762.3	497.0	0.74
		1	1962.9	817.1	536.3	0.79
		1.2	1763.2	870.8	569.1	0.85
		1.4	1659.0	924.1	592.8	0.90

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
Rated @ 0.8 ESP	TAP 3	0.2	4351.0	763.5	1080.4	1.57
		0.4	4265.6	803.6	1118.9	1.65
		0.6	4152.3	847.3	1168.4	1.74
		0.8	4052.9	889.4	1218.8	1.83
		1	3893.2	941.8	1283.4	1.93
		1.2	3771.8	985.9	1337.6	2.03
		1.4	3590.7	1039.2	1410.8	2.13

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
390 CFM/Ton@1.2	TAP 4	0.2	5301.9	897.5	1773.6	2.67
		0.4	5245.6	924.2	1837.8	2.75
		0.6	5177.1	956.0	1895.4	2.84
		0.8	5098.9	990.5	1953.2	2.94
		1	4987.0	1032.7	2026.1	3.07
		1.2	4903.8	1068.6	2090.6	3.18
		1.4	4750.2	1112.7	2178.5	3.31

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
390 CFM/Ton@1.4	TAP 5	0.2	5400.9	912.0	1872.6	2.82
		0.4	5343.4	938.6	1942.6	2.90
		0.6	5277.0	970.0	2001.7	3.00
		0.8	5199.8	1003.6	2060.2	3.11
		1	5095.7	1043.9	2133.3	3.23
		1.2	5015.7	1078.6	2198.6	3.34
		1.4	4872.3	1120.8	2286.6	3.47

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
320 CFM/Ton	TAP 6	0.2	4694.5	811.0	1292.5	1.90
		0.4	4625.6	844.5	1335.7	1.98
		0.6	4532.2	882.8	1387.2	2.07
		0.8	4442.2	922.2	1440.5	2.16
		1	4295.6	972.2	1509.1	2.28
		1.2	4189.2	1013.7	1567.3	2.38
		1.4	4007.6	1065.0	1647.9	2.50

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
350 CFM/Ton	TAP 7	0.2	5015.0	856.1	1524.5	2.27
		0.4	4956.2	885.1	1576.2	2.35
		0.6	4878.0	919.3	1630.4	2.44
		0.8	4795.2	956.2	1686.2	2.54
		1	4664.6	1002.8	1757.6	2.66
		1.2	4571.1	1041.5	1819.3	2.76
		1.4	4398.4	1089.8	1904.9	2.89

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
370 CFM/Ton	TAP 8	0.2	5205.3	883.4	1684.1	2.53
		0.4	5149.0	910.6	1743.4	2.60
		0.6	5077.8	943.1	1799.7	2.70
		0.8	4998.3	978.4	1856.9	2.80
		1	4879.4	1022.3	1929.4	2.92
		1.2	4793.0	1059.2	1993.0	3.03
		1.4	4631.4	1104.8	2080.5	3.16

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
400 CFM/Ton@1.2	TAP 9	0.2	5301.9	897.5	1773.6	2.67
		0.4	5245.6	924.2	1837.8	2.75
		0.6	5177.1	956.0	1895.4	2.84
		0.8	5098.9	990.5	1953.2	2.94
		1	4987.0	1032.7	2026.1	3.07
		1.2	4903.8	1068.6	2090.6	3.18
		1.4	4750.2	1112.7	2178.5	3.31

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
400 CFM/Ton@1.4	TAP 10	0.2	5400.9	912.0	1872.6	2.82
		0.4	5343.4	938.6	1942.6	2.90
		0.6	5277.0	970.0	2001.7	3.00
		0.8	5199.8	1003.6	2060.2	3.11
		1	5095.7	1043.9	2133.3	3.23
		1.2	5015.7	1078.6	2198.6	3.34
		1.4	4872.3	1120.8	2286.6	3.47

APPENDIX A BLOWER PERFORMANCE DATA

12.5 TON AC

12.5T AC High Static | Motor 5 HP | Model: DSC150_HIGH

DOWNSHOT

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
PL Rated	TAP 1	0.2	2752.1	506.0	312.9	0.47
		0.4	2562.0	580.5	352.1	0.53
		0.6				
		0.8				
		1				
		1.2				
		1.4				
		1.6				
		1.8				

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
PL Max CFM	TAP 2	0.2	2982.6	532.0	385.2	0.56
		0.4	2802.1	602.2	426.7	0.63
		0.6	2580.4	682.3	477.5	0.72
		0.8				
		1				
		1.2				
		1.4				
		1.6				
		1.8				

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
Rated @ 1.2 ESP	TAP 3	0.2	4898.4	753.3	1221.9	1.78
		0.4	4787.7	793.4	1284.5	1.87
		0.6	4701.9	832.5	1345.6	1.97
		0.8	4583.8	877.3	1407.1	2.07
		1	4464.3	923.2	1476.0	2.18
		1.2	4279.7	977.6	1539.0	2.31
		1.4	4137.8	1021.3	1605.8	2.41
		1.6	3911.9	1078.4	1687.3	2.55
		1.8	3739.4	1115.3	1759.9	2.63

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
400 CFM/Ton@1.6	TAP 4	0.2	5749.4	858.5	1902.5	2.81
		0.4	5657.5	892.8	1977.4	2.92
		0.6	5581.8	926.1	2044.7	3.03
		0.8	5494.1	963.1	2123.7	3.15
		1	5401.9	1003.1	2200.3	3.28
		1.2	5273.2	1045.3	2260.7	3.42
		1.4	5157.9	1084.9	2331.1	3.55
		1.6	5003.0	1130.1	2422.1	3.69
		1.8	4866.1	1160.0	2499.5	3.79

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
400 CFM/Ton@1.8	TAP 5	0.2	5848.6	871.6	2017.8	2.97
		0.4	5757.4	906.0	2094.6	3.09
		0.6	5677.1	940.2	2162.7	3.21
		0.8	5590.5	976.6	2245.0	3.33
		1	5501.8	1015.2	2321.5	3.46
		1.2	5383.0	1054.8	2380.3	3.60
		1.4	5270.3	1093.4	2449.9	3.73
		1.6	5132.2	1135.5	2540.9	3.87
		1.8	5003.0	1166.7	2617.8	3.98

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
320 CFM/Ton	TAP 6	0.2	5162.1	785.0	1394.5	2.04
		0.4	5058.8	822.4	1460.5	2.14
		0.6	4982.3	858.2	1523.4	2.23
		0.8	4876.1	900.2	1589.0	2.34
		1	4764.8	945.0	1661.3	2.46
		1.2	4593.9	996.8	1724.8	2.59
		1.4	4460.9	1039.7	1794.0	2.71
		1.6	4247.8	1095.2	1879.7	2.85
		1.8	4082.6	1127.6	1954.8	2.93

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
350 CFM/Ton	TAP 7	0.2	5459.1	821.6	1623.3	2.39
		0.4	5362.7	856.7	1693.6	2.49
		0.6	5291.2	890.1	1758.6	2.59
		0.8	5196.1	929.4	1830.0	2.70
		1	5094.3	972.2	1905.2	2.83
		1.2	4942.1	1020.1	1968.2	2.97
		1.4	4818.5	1061.6	2038.9	3.09
		1.6	4628.2	1113.4	2128.1	3.24
		1.8	4474.5	1142.9	2205.2	3.33

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
370 CFM/Ton	TAP 8	0.2	5652.7	846.0	1801.3	2.66
		0.4	5559.6	880.4	1874.6	2.77
		0.6	5486.7	913.4	1941.1	2.87
		0.8	5396.9	951.1	2017.3	2.99
		1	5301.6	992.2	2093.6	3.12
		1.2	5164.2	1036.5	2155.1	3.26
		1.4	5046.3	1076.9	2225.9	3.38
		1.6	4877.6	1124.7	2316.6	3.53
		1.8	4734.4	1154.0	2394.1	3.62

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
400 CFM/Ton@1.6	TAP 9	0.2	5749.4	858.5	1902.5	2.81
		0.4	5657.5	892.8	1977.4	2.92
		0.6	5581.8	926.1	2044.7	3.03
		0.8	5494.1	963.1	2123.7	3.15
		1	5401.9	1003.1	2200.3	3.28
		1.2	5273.2	1045.3	2260.7	3.42
		1.4	5157.9	1084.9	2331.1	3.55
		1.6	5003.0	1130.1	2422.1	3.69
		1.8	4866.1	1160.0	2499.5	3.79

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
400 CFM/Ton@1.8	TAP 10	0.2	5848.6	871.6	2017.8	2.97
		0.4	5757.4	906.0	2094.6	3.09
		0.6	5677.1	940.2	2162.7	3.21
		0.8	5590.5	976.6	2245.0	3.33
		1	5501.8	1015.2	2321.5	3.46
		1.2	5383.0	1054.8	2380.3	3.60
		1.4	5270.3	1093.4	2449.9	3.73
		1.6	5132.2	1135.5	2540.9	3.87
		1.8	5003.0	1166.7	2617.8	3.98

HORIZONTAL

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
PL Rated	TAP 1	0.2	2659.3	536.5	334.4	0.49
		0.4				
		0.6				
		0.8				
		1				
		1.2				
		1.4				
		1.6				
		1.8				

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
PL Max CFM	TAP 2	0.2	2879.4	565.6	412.7	0.59
		0.4	2685.3	644.6	459.5	0.68
		0.6				
		0.8				
		1				
		1.2				
		1.4				
		1.6				
		1.8				

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
Rated @ 1.2 ESP	TAP 3	0.2	4711.5	813.4	1303.9	1.92
		0.4	4643.3	846.6	1347.4	2.00
		0.6	4550.8	884.6	1399.1	2.09
		0.8	4461.2	924.0	1452.5	2.18
		1	4315.4	973.8	1521.2	2.30
		1.2	4209.7	1015.2	1579.7	2.40
		1.4	4028.4	1066.3	1660.6	2.52
		1.6	3884.1	1109.0	1726.6	2.62
		1.8	3674.9	1165.8	1810.6	2.75

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
390 CFM/Ton@1.6	TAP 4	0.2	5529.6	931.3	2015.3	3.04
		0.4	5468.3	958.3	2094.6	3.13
		0.6	5403.4	989.5	2156.0	3.23
		0.8	5326.8	1022.0	2215.2	3.34
		1	5234.3	1059.3	2288.2	3.46
		1.2	5158.0	1092.4	2354.4	3.57
		1.4	5031.6	1131.7	2441.8	3.70
		1.6	4929.5	1166.2	2510.2	3.81
		1.8	4763.9	1211.7	2594.1	3.96

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
390 CFM/Ton@1.8	TAP 5	0.2	5625.4	945.9	2135.0	3.23
		0.4	5559.2	973.9	2222.8	3.32
		0.6	5494.1	1005.4	2286.2	3.43
		0.8	5417.3	1036.9	2345.9	3.54
		1	5335.0	1071.6	2418.4	3.66
		1.2	5261.0	1103.4	2485.3	3.77
		1.4	5150.9	1140.0	2571.4	3.89
		1.6	5054.8	1173.3	2639.0	4.00
		1.8	4907.3	1215.9	2718.5	4.15

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
320 CFM/Ton	TAP 6	0.2	4964.5	849.0	1485.2	2.21
		0.4	4904.6	878.5	1535.2	2.29
		0.6	4824.2	913.2	1588.9	2.38
		0.8	4740.4	950.6	1644.3	2.47
		1	4607.0	997.8	1715.4	2.60
		1.2	4511.6	1037.0	1776.6	2.70
		1.4	4336.7	1085.8	1861.5	2.83
		1.6	4204.3	1126.2	1929.5	2.93
		1.8	3994.8	1181.3	2018.2	3.07

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
350 CFM/Ton	TAP 7	0.2	5249.9	889.9	1724.6	2.59
		0.4	5193.7	916.8	1786.1	2.67
		0.6	5123.9	949.0	1843.0	2.76
		0.8	5045.0	983.9	1900.5	2.86
		1	4929.2	1027.1	1973.2	2.99
		1.2	4844.3	1063.5	2037.2	3.09
		1.4	4686.3	1108.4	2124.9	3.23
		1.6	4568.3	1146.0	2193.9	3.34
		1.8	4370.9	1197.6	2283.7	3.49

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
370 CFM/Ton	TAP 8	0.2	5436.3	917.3	1910.1	2.88
		0.4	5378.0	943.9	1982.5	2.96
		0.6	5312.2	975.2	2042.2	3.06
		0.8	5235.2	1008.5	2100.8	3.17
		1	5134.1	1048.0	2173.9	3.29
		1.2	5055.2	1082.3	2239.5	3.40
		1.4	4916.0	1123.8	2327.4	3.53
		1.6	4808.3	1159.3	2396.3	3.64
		1.8	4629.2	1207.3	2483.2	3.79

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
390 CFM/Ton@1.6	TAP 9	0.2	5529.6	931.3	2015.3	3.04
		0.4	5468.3	958.3	2094.6	3.13
		0.6	5403.4	989.5	2156.0	3.23
		0.8	5326.8	1022.0	2215.2	3.34
		1	5234.3	1059.3	2288.2	3.46
		1.2	5158.0	1092.4	2354.4	3.57
		1.4	5031.6	1131.7	2441.8	3.70
		1.6	4929.5	1166.2	2510.2	3.81
		1.8	4763.9	1211.7	2594.1	3.96

	TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
390 CFM/Ton@1.8	TAP 10	0.2	5625.4	945.9	2135.0	3.23
		0.4	5559.2	973.9	2222.8	3.32
		0.6	5494.1	1005.4	2286.2	3.43
		0.8	5417.3	1036.9	2345.9	3.54
		1	5335.0	1071.6	2418.4	3.66
		1.2	5261.0	1103.4	2485.3	3.77
		1.4	5150.9	1140.0	2571.4	3.89
		1.6	5054.8	1173.3	2639.0	4.00
		1.8	4907.3	1215.9	2718.5	4.15

APPENDIX A BLOWER PERFORMANCE DATA
7.5 TON HP

7.5T Heat Pump Standard Static
Models: DSH0903D, DSH0904D, DSH0907D

TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
SPEED 1 (Rated PL 2000 SCFM @ Rated 0.11 esp)	0.2	1974.0	437.7	196.2	0.23
	0.4	1789.0	522.9	223.4	0.27
	0.6				
	0.8				

TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
Speed 2 2000 PL SCFM @ 0.35 esp	0.2	2131.0	458.2	308.0	0.28
	0.4	1969.0	531.2	340.4	0.32
	0.6	1782.0	615.5	386.4	0.38
	0.8				

TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
Speed 3 3000 FL SCFM @ 0.25 esp	0.2	3072.0	567.1	485.8	0.69
	0.4	2947.0	627.9	528.3	0.76
	0.6	2837.0	684.3	571.0	0.83
	0.8	2695.0	737.0	607.0	0.89

TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
SPEED 4 3000 SCFM @ 0.6 esp	0.2	3307.1	839.6	764.0	1.17
	0.4	3215.9	896.8	811.0	1.25
	0.6	3118.9	951.2	865.0	1.33
	0.8	3014.0	1005.4	919.6	1.40

TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
SPEED 5 (3000 SCFM @ 0.8 esp)	0.2	3370.3	796.1	929.1	1.17
	0.4	3289.3	851.5	997.5	1.25
	0.6	3201.5	905.3	1054.0	1.33
	0.8	3070.0	958.0	1112.0	1.40

TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
SPEED 6 (2400 SCFM @ 0.2 esp)	0.2	2411.0	487.6	286.0	0.37
	0.4				
	0.6				
	0.8				

TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
SPEED 7 (2400 SCFM @ 0.6 esp)	0.2	2666.0	518.4	348.4	0.48
	0.4	2531.0	582.8	385.1	0.54
	0.6	2393.0	646.9	423.0	0.59
	0.8	2231.0	711.9	459.9	0.65

TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
SPEED 8 (2400 SCFM @ 0.8 esp)	0.2	2798.0	532.6	383.6	0.53
	0.4	2658.0	596.0	420.4	0.60
	0.6	2530.0	654.0	446.5	0.66
	0.8	2377.0	716.9	498.0	0.72

TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
SPEED 9 3000 SCFM @ 0.6 esp	0.2	3307.1	839.6	764.0	1.35
	0.4	3215.9	896.8	811.0	1.44
	0.6	3118.9	951.2	865.0	1.53
	0.8	3014.0	1005.4	919.6	1.61

TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
SPEED 10 (3000 SCFM @ 0.8 esp)	0.2	3370.3	796.1	929.1	1.34
	0.4	3289.3	851.5	997.5	1.43
	0.6	3201.5	905.3	1054.0	1.52
	0.8	3070.0	958.0	1112.0	1.61

7.5T Heat Pump Standard Static Horizontal
Models: DSH0903D, DSH0904D, DSH0907D

TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
SPEED 1 (Rated PL 2000 SCFM @ Rated 0.11 esp)	0.2	1928.0	448.7	158.1	0.24
	0.4	1774.0	534.6	196.1	0.28
	0.6				
	0.8				

TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
Speed 2 2000 PL SCFM @ 0.35 esp	0.2	2140.7	486.4	308.3	0.30
	0.4	1978.4	555.8	386.8	0.34
	0.6	1789.8	638.6	433.8	0.39
	0.8				

TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
Speed 3 3000 FL SCFM @ 0.25 esp	0.2	3031.0	594.0	431.6	0.72
	0.4	2909.0	649.0	474.6	0.79
	0.6	2799.0	699.1	512.1	0.85
	0.8	2682.0	748.7	539.7	0.91

TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
SPEED 4 3000 SCFM @ 0.6 esp	0.2	3251.0	849.4	775.2	1.18
	0.4	3141.0	905.9	869.4	1.26
	0.6	3035.0	960.9	882.9	1.34
	0.8	2930.0	1016.9	934.7	1.42

TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
SPEED 5 (3000 SCFM @ 0.8 esp)	0.2	3335.2	807.2	921.7	1.18
	0.4	3228.6	861.0	934.2	1.26
	0.6	3124.6	914.4	1042.2	1.34
	0.8	3022.3	967.8	1102.1	1.42

TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
SPEED 6 (2400 SCFM @ 0.2 esp)	0.2	2375.0	500.4	254.3	0.38
	0.4				
	0.6				
	0.8				

TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
SPEED 7 (2400 SCFM @ 0.6 esp)	0.2	2636.0	533.9	327.7	0.49
	0.4	2506.0	593.8	351.9	0.55
	0.6	2379.0	652.1	379.0	0.60
	0.8				

TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
SPEED 8 (2400 SCFM @ 0.8 esp)	0.2	2757.0	548.9	336.4	0.55
	0.4	2637.0	606.5	372.5	0.61
	0.6	2509.0	659.9	401.9	0.66
	0.8	2377.0	722.6	435.8	0.73

TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
SPEED 9 3000 SCFM @ 0.6 esp	0.2	3251.0	849.4	775.2	1.18
	0.4	3141.0	905.9	869.4	1.26
	0.6	3035.0	960.9	882.9	1.34
	0.8	2930.0	1016.9	934.7	1.42

TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
SPEED 10 (3000 SCFM @ 0.8 esp)	0.2	3335.2	807.2	921.7	1.18
	0.4	3228.6	861.0	934.2	1.26
	0.6	3124.6	914.4	1042.2	1.34
	0.8	3022.3	967.8	1102.1	1.42

APPENDIX A BLOWER PERFORMANCE DATA
7.5 TON HP

7.5T Heat Pump Medium Static Downshot
Models: DSH0903L, DSH0904L, DSH0907L

TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
SPEED 1 Rated PL (2000cfm @ 0.48 esp)	0.2	2298.0	473.0	255.6	0.33
	0.4	2147.0	548.8	284.0	0.39
	0.6	1967.0	619.3	322.2	0.44
	0.8	1637.0	732.4	375.8	0.52
	1				
	1.2				
	1.4				

TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
SPEED 2 Rated PL (2000 cfm @ 0.62 esp)	0.2	2345.0	476.2	273.1	0.34
	0.4	2187.0	548.6	300.3	0.39
	0.6	2019.0	620.9	322.6	0.45
	0.8	1686.0	730.8	378.8	0.53
	1	1496.0	789.7	404.8	0.57
	1.2				
	1.4				

TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
SPEED 3 Rated FL (3000 cfm @ 1.1 esp)	0.2	3538.0	619.4	634.4	0.97
	0.4	3413.0	671.7	698.6	1.06
	0.6	3301.0	723.3	739.6	1.14
	0.8	3201.0	769.8	785.9	1.21
	1	3070.0	818.6	808.9	1.29
	1.2	2960.0	870.0	858.4	1.37
	1.4	2839.0	922.4	928.8	1.45

TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
SPEED 4 Rated FL (400 cfm/ton @ 1.2 esp)	0.2	3883.7	709.7	706.7	1.16
	0.4	3720.6	765.0	770.5	1.25
	0.6	3582.4	816.0	825.5	1.33
	0.8	3459.8	864.8	872.0	1.41
	1	3334.0	918.2	928.1	1.50
	1.2	3070.0	984.4	967.9	1.60
	1.4	3053.4	1052.7	1012.0	1.72

TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
SPEED 5 (400 cfm/ton @ 1.4 esp)	0.2	3711.0	638.4	706.7	1.11
	0.4	3592.0	690.8	770.5	1.20
	0.6	3489.0	740.4	825.5	1.28
	0.8	3391.0	786.4	872.0	1.36
	1	3295.0	835.3	928.1	1.45
	1.2	3178.0	881.6	967.9	1.53
	1.4	2990.0	928.7	1012.0	1.61

TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
SPEED 6 (2400 SCFM @ 1.1 esp)	0.2	3027.0	554.4	534.4	0.64
	0.4	2895.0	613.6	586.5	0.71
	0.6	2786.0	670.2	638.9	0.77
	0.8	2657.0	725.3	681.9	0.84
	1	2500.0	784.0	723.1	0.91
	1.2				
	1.4				

TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
SPEED 7 (2400 SCFM @ 1.4 esp)	0.2	3307.0	587.3	441.3	0.81
	0.4	3170.0	643.9	499.0	0.88
	0.6	3063.0	697.5	536.3	0.96
	0.8	2946.0	747.3	579.3	1.03
	1	2816.0	801.2	622.0	1.10
	1.2	2678.0	855.6	688.1	1.18
	1.4	2403.0	940.6	721.4	1.29

TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
SPEED 8 Rated FL (3000 cfm @ 1.1 esp)	0.2	3538.0	619.4	706.7	0.97
	0.4	3413.0	671.7	770.5	1.06
	0.6	3301.0	723.3	825.5	1.14
	0.8	3201.0	769.8	872.0	1.21
	1	3070.0	818.6	928.1	1.29
	1.2	2960.0	870.0	967.9	1.37
	1.4	2839.0	922.4	1012.0	1.45

TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
SPEED 9 Rated FL (400 cfm/ton @ 1.2 esp)	0.2	3883.7	709.7	706.7	1.16
	0.4	3720.6	765.0	770.5	1.25
	0.6	3582.4	816.0	825.5	1.33
	0.8	3459.8	864.8	872.0	1.41
	1	3334.0	918.2	928.1	1.50
	1.2	3188.9	984.4	967.9	1.60
	1.4	3051.0	1052.7	1012.0	1.72

TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
SPEED 10 (400 cfm/ton @ 1.4 esp)	0.2	3711.0	638.4	706.7	1.26
	0.4	3592.0	690.8	770.5	1.36
	0.6	3489.0	740.4	825.5	1.46
	0.8	3391.0	786.4	872.0	1.55
	1	3295.0	835.3	928.1	1.65
	1.2	3178.0	881.6	967.9	1.74
	1.4	3051.0	928.7	1012.0	1.83

7.5T Heat Pump Medium Static Horizontal
Models: DSH0903L, DSH0904L, DSH0907L

TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
SPEED 1 Rated PL (2000cfm @ 0.48 esp)	0.2	2284.0	494.2	239.7	0.35
	0.4	2135.0	561.5	262.8	0.40
	0.6	1976.0	632.2	287.3	0.45
	0.8	1626.0	742.9	340.9	0.52
	1				
	1.2				
	1.4				

TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
SPEED 2 Rated PL (2000 cfm @ 0.62 esp)	0.2	2304.0	496.8	242.1	0.36
	0.4	2152.0	562.2	266.0	0.40
	0.6	1998.0	633.8	303.5	0.46
	0.8	1646.0	746.2	350.1	0.54
	1				
	1.2				
	1.4				

TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
SPEED 3 Rated FL (3000 cfm @ 1.1 esp)	0.2	3466.0	652.4	616.3	1.03
	0.4	3361.0	700.7	669.9	1.10
	0.6	3261.0	744.3	712.3	1.17
	0.8	3176.0	789.9	745.2	1.24
	1	3058.0	836.8	774.6	1.32
	1.2	2952.0	884.9	828.0	1.39
	1.4	2816.0	943.0	880.9	1.48

TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
SPEED 4 Rated FL (400 cfm/ton @ 1.2 esp)	0.2	3601.0	676.9	696.5	1.10
	0.4	3478.0	736.3	736.3	1.20
	0.6	3370.0	789.7	774.8	1.29
	0.8	3271.0	839.6	811.2	1.37
	1	3166.0	893.2	846.9	1.46
	1.2	3010.0	958.2	888.2	1.56
	1.4	2917.0	1023.5	946.8	1.67

TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
SPEED 5 (400 cfm/ton @ 1.4 esp)	0.2	3622.0	675.9	696.5	1.17
	0.4	3530.0	722.6	736.3	1.25
	0.6	3432.0	766.2	774.8	1.33
	0.8	3341.0	809.8	811.2	1.40
	1	3251.0	851.6	846.9	1.48
	1.2	3144.0	897.7	888.2	1.56
	1.4	3006.0	946.9	946.8	1.64

TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
SPEED 6 (2400 SCFM @ 1.1 esp)	0.2	2983.0	581.7	425.6	0.67
	0.4	2864.0	635.0	451.5	0.73
	0.6	2749.0	687.0	494.1	0.79
	0.8	2630.0	739.6	521.6	0.85
	1	2492.0	800.6	559.4	0.93
	1.2				
	1.4				

TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
SPEED 7 (2400 SCFM @ 1.4 esp)	0.2	3230.0	616.6	522.7	0.83
	0.4	3112.0	666.5	599.4	0.90
	0.6	3005.0	715.7	682.9	0.97
	0.8	2905.0	761.2	630.9	1.03
	1	2801.0	817.1	682.9	1.10
	1.2	2673.0	871.8	727.6	1.18
	1.4	2325.0	978.2	786.1	1.32

TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
SPEED 8 Rated FL (3000 cfm @ 1.1 esp)	0.2	3466.0	652.4	616.3	1.03
	0.4	3361.0	700.7	669.9	1.10
	0.6	3261.0	744.3	712.3	1.17
	0.8	3176.0	789.9	745.2	1.24
	1	3058.0	836.8	774.6	1.32
	1.2	2952.0	884.9	828.0	1.39
	1.4	2816.0	943.0	880.9	1.48

TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
SPEED 9 Rated FL (400 cfm/ton @ 1.2 esp)	0.2	3601.0	676.9	696.5	1.10
	0.4	3478.0	736.3	736.3	1.20
	0.6	3370.0	789.7	774.8	1.29
	0.8	3271.0	839.6	811.2	1.37
	1	3166.0	893.2	846.9	1.46
	1.2	3040.0	958.2	888.2	1.56
	1.4	3917.0	1023.5	946.8	1.67

TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
SPEED 10 (400 cfm/ton @ 1.4 esp)	0.2	3622.0	675.9	696.5	1.17
	0.4	3530.0	722.6	736.3	1.25
	0.6	3432.0	766.2	774.8	1.33
	0.8	3341.0	809.8	811.2	1.40
	1	3251.0	851.6	846.9	1.48
	1.2	3144.0	897.7	888.2	1.56
	1.4	3006.0	946.9	946.8	1.64

APPENDIX A BLOWER PERFORMANCE DATA
7.5 TON HP

7.5T Heat Pump High Static Downshot
Models: DSH0903W, DSH0904W, DSH0907W

Tap Speed	ESP	SCFM	R.P.M.	WATTS	BHP
SPEED 1 (2000 SCFM PL @ 0.71 esp)	0.2	2465.0	489.8	281.4	0.36
	0.4	2293.0	560.6	315.7	0.42
	0.6	2148.0	625.7	346.3	0.46
	0.8	1911.0	714.6	394.2	0.53
	1	1614.0	796.5	432.8	0.59
	1.2				
	1.4				
	1.6				
	1.8				

TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
SPEED 2 (2000 scfm pl @ 0.8 esp)	0.2	2465.0	499.1	290.0	0.38
	0.4	2325.0	567.1	229.6	0.44
	0.6	2182.0	632.1	229.6	0.49
	0.8	1993.0	704.9	389.7	0.54
	1	1659.0	803.8	449.3	0.62
	1.2	1498.0	852.6	475.1	0.66
	1.4				
	1.6				
	1.8				

TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
SPEED 3 (FL 3000 scfm @ 1.4 esp)	0.2	3657.1	555.9	766.4	0.93
	0.4	3558.5	615.9	826.8	1.03
	0.6	3466.8	668.7	882.3	1.12
	0.8	3391.2	709.5	934.6	1.19
	1	3289.9	761.3	981.7	1.27
	1.2	3175.7	816.1	1015.0	1.36
	1.4	3058.5	867.8	1069.0	1.45
	1.6	2887.6	936.7	1115.0	1.57
	1.8	2784.5	974.6	1178.0	1.63

TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
SPEED 4 (FL 3000 scfm @ 1.6 esp)	0.2	3748.4	664.2	842.1	1.16
	0.4	3637.4	711.4	887.8	1.24
	0.6	3538.8	756.4	948.5	1.32
	0.8	3448.4	803.0	994.7	1.40
	1	3339.0	846.7	1044.0	1.48
	1.2	3225.7	893.1	1084.0	1.56
	1.4	3108.4	946.7	1117.0	1.65
	1.6	3001.0	999.3	1162.0	1.74
	1.8	2840.3	1041.1	1217.0	1.82

TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
SPEED 5 (FL 3000 scfm @ 1.8 esp)	0.2	3849.9	674.4	1268.0	1.25
	0.4	3745.3	723.3	1341.0	1.34
	0.6	3654.6	770.1	1390.0	1.43
	0.8	3545.5	815.4	1458.0	1.51
	1	3445.4	858.4	1516.0	1.59
	1.2	3359.0	901.8	1561.0	1.67
	1.4	3241.8	945.0	1589.0	1.75
	1.6	3120.1	991.3	1659.0	1.84
	1.8	3001.0	1041.6	1692.0	1.93

TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
SPEED 6 (FL 2400 scfm @ 1.6 esp)	0.2	3502.0	617.5	628.4	0.90
	0.4	3381.0	669.0	677.7	0.97
	0.6	3533.0	721.1	720.7	1.05
	0.8	3145.0	767.0	770.5	1.12
	1	3047.0	816.6	811.2	1.19
	1.2	2908.0	866.1	866.1	1.26
	1.4	2766.0	917.5	891.3	1.34
	1.6	2491.0	1010.0	977.9	1.47
	1.8				

TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
SPEED 7 (FL 2400 scfm @ 1.8 esp)	0.2	3670.0	637.4	709.0	1.02
	0.4	3542.0	685.9	742.2	1.10
	0.6	3430.0	737.0	794.7	1.18
	0.8	3312.0	785.0	785.0	1.25
	1	3207.0	832.4	881.4	1.33
	1.2	3098.0	877.9	924.1	1.40
	1.4	2965.0	928.2	976.7	1.48
	1.6	2829.0	982.3	1005.0	1.57
	1.8	2544.0	1070.0	1096.0	1.71

TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
SPEED 8 (FL 3000 scfm @ 1.4 esp)	0.2	3657.1	555.9	842.1	0.93
	0.4	3558.5	615.9	887.8	1.03
	0.6	3466.8	668.7	948.5	1.12
	0.8	3391.2	709.5	994.7	1.19
	1	3289.9	761.3	1044.0	1.27
	1.2	3175.7	816.1	1084.0	1.36
	1.4	3058.5	867.8	1117.0	1.45
	1.6	2887.6	936.7	1162.0	1.57
	1.8	2784.5	974.6	1217.0	1.63

TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
SPEED 9 (FL 3000 scfm @ 1.6 esp)	0.2	3748.4	664.2	1007.0	1.42
	0.4	3637.4	711.4	1057.0	1.52
	0.6	3538.8	756.4	1125.0	1.62
	0.8	3448.4	803.0	1181.0	1.72
	1	3339.0	846.7	1250.0	1.81
	1.2	3225.7	893.1	1301.0	1.91
	1.4	3108.4	946.7	1350.0	2.03
	1.6	3001.0	999.3	1390.0	2.14
	1.8	2840.3	1041.1	1437.0	2.23

TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
SPEED 10 (FL 3000 scfm @ 1.8 esp)	0.2	3849.9	674.4	1268.0	1.98
	0.4	3745.3	723.3	1341.0	2.12
	0.6	3654.6	770.1	1390.0	2.26
	0.8	3545.5	815.4	1458.0	2.39
	1	3445.4	858.4	1516.0	2.52
	1.2	3359.0	901.8	1561.0	2.65
	1.4	3241.8	945.0	1589.0	2.77
	1.6	3120.1	991.3	1659.0	2.91
	1.8	3001.0	1041.6	1692.0	3.06

7.5T Heat Pump High Static Horizontal
Models: DSH0903W, DSH0904W, DSH0907W

TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
SPEED 1 (2000 SCFM PL @ 0.71 esp)	0.2	2368.0	509.9	258.7	0.38
	0.4	2247.0	571.5	296.8	0.42
	0.6	2113.0	631.5	310.5	0.47
	0.8	1961.0	704.4	352.4	0.52
	1	1600.0	801.9	397.2	0.60
	1.2				
	1.4				
	1.6				
	1.8				

TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
SPEED 2 (2000 scfm pl @ 0.8 esp)	0.2	2449.0	504.1	256.9	0.39
	0.4	2330.0	570.5	294.8	0.44
	0.6	2181.0	638.0	323.6	0.49
	0.8	1991.0	58.9	358.2	0.05
	1	1645.0	34.8	405.8	0.03
	1.2				
	1.4				
	1.6				
	1.8				

TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
SPEED 3 (FL 3000 scfm @ 1.4 esp)	0.2	3638.0	587.3	717.4	0.98
	0.4	3533.0	642.1	754.9	1.07
	0.6	3437.0	690.7	805.1	1.15
	0.8	3359.0	728.5	846.4	1.22
	1	3256.0	776.6	888.1	1.30
	1.2	3142.0	827.8	914.2	1.38
	1.4	3027.0	876.3	965.5	1.46
	1.6	2863.0	941.4	1023.0	1.57
	1.8	2766.0	977.4	1075.0	1.63

TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
SPEED 4 (FL 3000 scfm @ 1.6 esp)	0.2	3711.0	686.6	717.4	1.20
	0.4	3608.0	730.2	754.9	1.27
	0.6	3517.0	772.0	805.1	1.35
	0.8	3434.0	815.5	846.4	1.42
	1	3334.0	856.4	888.1	1.49
	1.2	3231.0	900.1	914.2	1.57
	1.4	3125.0	950.9	965.5	1.66
	1.6	2986.0	1001.0	1023.0	1.75
	1.8	2885.0	1041.0	1075.0	1.82

TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
SPEED 5 (FL 3000 scfm @ 1.8 esp)	0.2	3805.7	696.0	723.3	1.29
	0.4	3708.1	741.2	764.2	1.38
	0.6	3623.9	784.7	804.4	1.46
	0.8	3523.2	827.0	844.1	1.54
	1	3431.2	867.4	882.8	1.61
	1.2	3352.2	908.3	922.6	1.69
	1.4	3245.6	949.3	963.1	1.76
	1.6	3135.6	993.3	1007.4	1.84
	1.8	2989.4	1041.5	1056.7	1.93

TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
SPEED 6 (FL 2400 scfm @ 1.6 esp)	0.2	3383.0	644.4	590.6	0.94
	0.4	3283.0	692.1	632.8	1.01
	0.6	3167.0	738.4	669.5	1.08
	0.8	3076.0	784.6	702.7	1.14
	1	2977.0	826.9	733.0	1.21
	1.2	2849.0	882.6	775.4	1.29
	1.4	2670.0	950.1	875.7	1.38
	1.6	2404.0	1034.0	929.6	1.51
	1.8				

TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
SPEED 7 (FL 2400 scfm @ 1.8 esp)	0.2	3521.0	665.0	668.2	1.06
	0.4	3422.0	712.9	695.6	1.14
	0.6	3325.0	755.9	740.2	1.21
	0.8	3217.0	801.5	768.8	1.28
	1	3122.0	846.2	825.7	1.35
	1.2	3027.0	870.9	870.9	1.39
	1.4	2893.0	947.5	907.7	1.51
	1.6	2762.0	998.8	953.2	1.59
	1.8	2390.0	1100.0	1056.0	1.76

TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
SPEED 8 (FL 3000 scfm @ 1.4 esp)	0.2	3711.0	686.6	717.4	1.15
	0.4	3608.0	730.2	754.9	1.22
	0.6	3517.0	772.0	805.1	1.29
	0.8	3434.0	815.5	846.4	1.36
	1	3334.0	856.4	888.1	1.43
	1.2	3231.0	900.1	914.2	1.50
	1.4	3125.0	950.9	965.5	1.59
	1.6	2986.0	1001.0	1023.0	1.67
	1.8	2885.0	1041.0	1075.0	1.74

TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
SPEED 9 (FL 3000 scfm @ 1.6 esp)	0.2	3711.0	686.6	717.4	1.20
	0.4	3608.0	730.2	754.9	1.27
	0.6	3517.0	772.0	805.1	1.35
	0.8	3434.0	815.5	846.4	1.42
	1	3334.0	856.4	888.1	1.49
	1.2	3231.0	900.1	914.2	1.57
	1.4	3125.0	950.9	965.5	1.66
	1.6	2986.0	1001.0	1023.0	1.75
	1.8	2885.0	1041.0	1075.0	1.82

TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
SPEED 10 (FL 3000 scfm @ 1.8 esp)	0.2	3805.7	696.0	723.3	1.29
	0.4	3708.1	741.2	764.2	1.38
	0.6	3623.9	784.7	804.4	1.46
	0.8	3523.2	827.0	844.1	1.54
	1	3431.2	867.4	882.8	1.61
	1.2	3352.2	908.3	922.6	1.69
	1.4	3245.6	949.3	963.1	1.76
	1.6	3135.6	993.3	1007.4	1.84
	1.8	2989.4	1041.5	1056.7	1.93

APPENDIX A BLOWER PERFORMANCE DATA
8.5 TON HP

8.5T Heat Pump Standard Static Downshot
Models: DSH1023D, DSH1024D, DSH1027D

TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
SPEED 1 (Rated PL 2000 SCFM @ Rated 0.11 esp)	0.2	1974.0	437.7	196.2	0.23
	0.4	1789.0	522.9	223.4	0.27
	0.6				
	0.8				

TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
Speed 2 2000 PL SCFM @ 0.35 esp	0.2	2131.0	458.2	308.0	0.28
	0.4	1969.0	531.2	340.4	0.32
	0.6	1782.0	615.5	386.4	0.38
	0.8				

TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
SPEED 3 (Rated FL 3000 CFM @ Rated esp 0.25)	0.2	3072.0	567.1	485.8	0.69
	0.4	2947.0	627.9	528.3	0.76
	0.6	2837.0	684.3	571.0	0.83
	0.8	2695.0	737.0	607.0	0.89

TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
SPEED 4 (400 cfm/ton @ 0.6 esp)	0.2	3711.0	638.4	929.1	1.09
	0.4	3592.0	690.8	997.5	1.18
	0.6	3430.0	740.4	1054.0	1.26
	0.8	3391.0	786.4	1112.0	1.34

TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
SPEED 5 (400 cfm/ton @ 0.8 esp)	0.2	3737.0	650.7	929.1	1.16
	0.4	3623.0	703.1	997.5	1.25
	0.6	3513.0	751.2	1054.0	1.34
	0.8	3410.0	798.5	1112.0	1.42

TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
SPEED 6 (2700 SCFM @ 0.2 esp)	0.2	2708.0	521.1	353.1	0.49
	0.4				
	0.6				
	0.8				

TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
SPEED 7 (2700 SCFM @ 0.6 esp)	0.2	2955.0	550.5	432.2	0.62
	0.4	2819.0	611.6	464.0	0.68
	0.6	2715.0	668.0	512.8	0.75
	0.8				

TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
SPEED 8 (2700 SCFM @ 0.8 esp)	0.2	3072.0	567.1	432.2	0.69
	0.4	2947.0	627.9	464.0	0.76
	0.6	2837.0	684.3	512.8	0.83
	0.8	2695.0	737.0	554.3	0.89

TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
SPEED 9 (400 cfm/ton @ 0.6 esp)	0.2	3711.0	638.4	929.1	1.09
	0.4	3592.0	690.8	997.5	1.18
	0.6	3430.0	740.4	1054.0	1.26
	0.8	3391.0	786.4	1112.0	1.34

TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
SPEED 10 (400 cfm/ton @ 0.8 esp)	0.2	3737.0	650.7	929.1	1.16
	0.4	3623.0	703.1	997.5	1.25
	0.6	3513.0	751.2	1054.0	1.34
	0.8	3410.0	798.5	1112.0	1.42

8.5T Heat Pump Standard Static Horizontal
Models: DSH1023D, DSH1024D, DSH1027D

TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
SPEED 1 (Rated PL 2000 SCFM @ Rated 0.11 esp)	0.2	1928.0	448.7	158.1	0.24
	0.4	1774.0	534.6	196.1	0.28
	0.6				
	0.8				

TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
Speed 2 2000 PL SCFM @ 0.35 esp	0.2	2140.7	486.4	308.3	0.30
	0.4	1978.4	555.8	386.8	0.34
	0.6	1789.8	638.6	433.8	0.39
	0.8				

TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
SPEED 3 (Rated FL 3000 CFM @ Rated esp 0.25)	0.2	3031.0	594.0	431.6	0.72
	0.4	2909.0	649.0	474.6	0.79
	0.6	2799.0	699.1	512.1	0.85
	0.8	2682.0	748.7	539.7	0.91

TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
SPEED 4 (400 cfm/ton @ 0.6 esp)	0.2	3600.5	677.1	886.9	1.15
	0.4	3503.5	724.1	964.7	1.23
	0.6	3404.7	772.6	998.6	1.31
	0.8	3310.9	819.3	1029.6	1.39

TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
SPEED 5 (400 cfm/ton @ 0.8 esp)	0.2	3686.0	687.4	961.0	1.22
	0.4	3591.0	731.5	1035.4	1.30
	0.6	3494.0	775.2	1093.5	1.38
	0.8	3402.0	819.3	1186.2	1.46

TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
SPEED 6 (2700 SCFM @ 0.2 esp)	0.2	2675.0	542.5	318.0	0.51
	0.4				
	0.6				
	0.8				

TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
SPEED 7 (2700 SCFM @ 0.6 esp)	0.2	2914.0	571.7	404.0	0.64
	0.4	2797.0	630.4	434.5	0.70
	0.6	2680.0	681.3	482.1	0.76
	0.8				

TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
SPEED 8 (2700 SCFM @ 0.8 esp)	0.2	3062.0	590.2	488.4	0.72
	0.4	2944.0	643.9	519.0	0.78
	0.6	2838.0	692.5	565.5	0.84
	0.8	2713.0	742.2	610.9	0.90

TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
SPEED 9 (400 cfm/ton @ 0.6 esp)	0.2	3600.5	677.1	886.9	1.15
	0.4	3503.5	724.1	964.7	1.23
	0.6	3404.7	772.6	998.6	1.31
	0.8	3310.9	819.3	1029.6	1.39

TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
SPEED 10 (400 cfm/ton @ 0.8 esp)	0.2	3686.0	687.4	961.0	1.22
	0.4	3591.0	731.5	1035.4	1.30
	0.6	3494.0	775.2	1093.5	1.38
	0.8	3402.0	819.3	1186.2	1.46

APPENDIX A BLOWER PERFORMANCE DATA
8.5 TON HP

8.5T Heat Pump Medium Static Downshot
Models: DSH1023L, DSH1024L, DSH1027L

TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
SPEED 1 Rated PL (2000cfm @ 0.48 esp)	0.2	2298.0	473.0	255.6	0.33
	0.4	2147.0	548.8	284.0	0.39
	0.6	1967.0	619.3	322.2	0.44
	0.8				
	1				
	1.2				
	1.4				

TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
SPEED 2 Rated PL (2000 cfm @ 0.62 esp)	0.2	2345.0	476.2	273.1	0.34
	0.4	2187.0	548.6	300.3	0.39
	0.6	2019.0	620.9	322.6	0.45
	0.8	1686.0	730.8	378.8	0.53
	1				
	1.2				
	1.4				

TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
SPEED 3 (3000 cfm @ 1.1 esp) Rated FL	0.2	3538.0	619.4	634.4	0.97
	0.4	3413.0	671.7	698.6	1.06
	0.6	3301.0	723.3	739.6	1.14
	0.8	3201.0	769.8	785.9	1.21
	1	3040.0	818.6	808.9	1.29
	1.2	2960.0	870.0	858.4	1.37
	1.4	2839.0	922.4	928.8	1.45

TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
SPEED 4 (3400 cfm @ 1.2 esp) Rated FL	0.2	#REF!	250.4	706.7	1.27
	0.4	1613.3	250.4	770.5	1.35
	0.6	1613.2	250.4	825.5	1.42
	0.8	1613.2	250.4	872.0	1.50
	1	1613.2	250.4	928.1	1.58
	1.2	3450.0	250.4	967.9	1.67
	1.4	1613.2	250.4	1012.0	1.78

TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
SPEED 5 (3400 CFM @ 1.4 esp)	0.2	4156.0	691.7	1066.0	1.50
	0.4	4050.0	740.6	1098.0	1.61
	0.6	3948.0	785.3	1173.0	1.71
	0.8	3843.0	832.4	1222.0	1.81
	1	3750.0	872.5	1266.0	1.90
	1.2	3658.0	914.6	1333.0	1.99
	1.4	3450.0	959.3	1386.0	2.09

TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
SPEED 6 (2700 SCFM @ 1.1 esp) EH Min	0.2	3255.0	582.2	534.4	0.78
	0.4	3118.0	640.4	586.5	0.86
	0.6	3005.0	692.7	638.9	0.93
	0.8	2895.0	743.1	681.9	0.99
	1	2755.0	799.0	723.1	1.07
	1.2	2755.0	799.0	753.2	1.07
	1.4				

TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
SPEED 7 (2700 SCFM @ 1.4 esp) EH Min	0.2	3454.0	604.8	441.3	0.91
	0.4	3339.0	660.8	499.0	0.99
	0.6	3217.0	713.8	536.3	1.07
	0.8	3103.0	762.8	579.3	1.14
	1	2983.0	814.7	622.0	1.22
	1.2	2858.0	867.0	688.1	1.30
	1.4	2705.0	923.4	721.4	1.38

TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
SPEED 8 Rated FL (3000 cfm @ 1.4 esp)	0.2	3711.0	638.4	706.7	1.11
	0.4	3592.0	690.8	770.5	1.20
	0.6	3489.0	740.4	825.5	1.28
	0.8	3391.0	786.4	872.0	1.36
	1	3295.0	835.3	928.1	1.45
	1.2	3178.0	881.6	967.9	1.53
	1.4	3051.0	928.7	1012.0	1.61

TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
SPEED 9 (3400 cfm @ 1.2 esp)	0.2	4210.7	670.8	946.9	1.27
	0.4	4097.9	712.1	999.2	1.35
	0.6	3966.9	750.6	1053.0	1.42
	0.8	3835.4	792.0	1109.0	1.50
	1	3753.3	835.9	1150.0	1.58
	1.2	3450.0	882.4	1217.0	1.67
	1.4	3448.8	940.3	1255.0	1.78

TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
SPEED 10 (3400 SCFM @ 1.4 esp)	0.2	4156.0	691.7	1066.0	1.50
	0.4	4050.0	740.6	1098.0	1.61
	0.6	3948.0	785.3	1173.0	1.71
	0.8	3843.0	832.4	1222.0	1.81
	1	3750.0	872.5	1266.0	1.90
	1.2	3658.0	914.6	1333.0	1.99
	1.4	3450.0	959.3	1386.0	2.09

8.5T Heat Pump Medium Static Horizontal
Models: DSH1023L, DSH1024L, DSH1027L

TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
SPEED 1 Rated PL (2000cfm @ 0.48 esp)	0.2	2284.0	494.2	239.7	0.35
	0.4	2135.0	561.5	262.8	0.40
	0.6	1976.0	632.2	287.3	0.45
	0.8				
	1				
	1.2				
	1.4				

TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
SPEED 2 Rated PL (2000 cfm @ 0.62 esp)	0.2	2304.0	496.8	242.1	0.36
	0.4	2152.0	562.2	266.0	0.40
	0.6	1998.0	633.8	303.5	0.46
	0.8				
	1				
	1.2				
	1.4				

TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
SPEED 3 (3000 cfm @ 1.1 esp) Rated FL	0.2	3466.0	652.4	616.3	1.03
	0.4	3361.0	700.7	669.9	1.10
	0.6	3261.0	744.3	712.3	1.17
	0.8	3176.0	789.9	745.2	1.24
	1	3058.0	836.8	774.6	1.32
	1.2	2952.0	884.9	828.0	1.39
	1.4	2816.0	943.0	880.9	1.48

TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
SPEED 4 (3400 cfm @ 1.2 esp) Rated FL	0.2	3835.0	567.0	696.5	1.07
	0.4	3756.0	603.0	736.3	1.14
	0.6	3662.0	648.0	774.8	1.23
	0.8	3565.0	694.0	811.2	1.31
	1	3503.0	724.0	846.9	1.37
	1.2	3397.0	776.0	888.2	1.47
	1.4	3262.0	844.0	946.8	1.60

TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
SPEED 5 (3400 CFM @ 1.4 esp)	0.2	3971.0	505.0	1038.0	1.10
	0.4	3897.0	539.0	1096.0	1.17
	0.6	3806.0	580.0	1144.0	1.26
	0.8	3707.0	627.0	1187.0	1.36
	1	3653.0	652.0	1240.0	1.42
	1.2	3551.0	701.0	1273.0	1.53
	1.4	3422.0	764.0	1317.0	1.66

TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
SPEED 6 (2700 SCFM @ 1.1 esp) EH Min	0.2	3205.0	611.0	502.2	0.82
	0.4	3089.0	662.9	543.8	0.89
	0.6	2982.0	710.2	572.4	0.95
	0.8	2877.0	757.1	619.4	1.01
	1	2732.0	812.6	654.5	1.09
	1.2				
	1.4				

TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
SPEED 7 (2700 SCFM @ 1.4 esp) EH Min	0.2	3376.0	639.7	584.4	0.96
	0.4	3279.0	689.0	621.5	1.03
	0.6	3172.0	735.7	666.9	1.10
	0.8	3070.0	780.9	705.4	1.17
	1	2959.0	830.7	738.2	1.24
	1.2	2836.0	881.1	771.1	1.32
	1.4	2650.0	954.5	834.6	1.43

TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
SPEED 8 Rated FL (3000 cfm @ 1.4 esp)	0.2	3622.0	675.9	696.5	1.17
	0.4	3530.0	722.6	736.3	1.25
	0.6	3432.0	766.2	774.8	1.33
	0.8	3341.0	809.8	811.2	1.40
	1	3251.0	851.6	846.9	1.48
	1.2	3144.0	897.7	888.2	1.56
	1.4	3006.0	946.9	946.8	1.64

TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
SPEED 9 (3400 cfm @ 1.2 esp)	0.2	3835.0	567.0	930.3	1.07
	0.4	3756.0	603.0	981.4	1.14
	0.6	3662.0	648.0	1020.0	1.23
	0.8	3565.0	694.0	1066.0	1.31
	1	3503.0	724.0	1117.0	1.37
	1.2	3397.0	776.0	1166.0	1.47
	1.4	3262.0	844.0	1189.0	1.60

TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
SPEED 10 (3400 SCFM @ 1.4 esp)	0.2	3971.0	505.0	1038.0	1.10
	0.4	3897.0	539.0	1096.0	1.17
	0.6	3806.0	580.0	1144.0	1.26
	0.8	3707.0	627.0	1187.0	1.36
	1	3653.0	652.0	1240.0	1.42
	1.2	3551.0	701.0	1273.0	1.53
	1.4	3422.0	764.0	1317.0	1.66

APPENDIX A BLOWER PERFORMANCE DATA
8.5 TON HP

8.5T Heat Pump High Static Downshot
Models: DSH1023W, DSH1024W, DSH1027W

Tap Speed	ESP	SCFM	R.P.M.	WATTS	BHP
SPEED 1 (2000 SCFM PL @ 0.71 esp)	0.2	2465.0	489.8	281.4	0.36
	0.4	2293.0	560.6	315.7	0.42
	0.6	2148.0	625.7	346.3	0.46
	0.8	1911.0	714.6	394.2	0.53
	1				
	1.2				
	1.4				
	1.6				
	1.8				

TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
SPEED 2 (2000 scfm pl @ 0.8 esp)	0.2	2465.0	499.1	290.0	0.38
	0.4	2325.0	567.1	229.6	0.44
	0.6	2182.0	632.1	229.6	0.49
	0.8	1993.0	704.9	389.7	0.54
	1				
	1.2				
	1.4				
	1.6				
	1.8				

TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
SPEED 3 (FL 3000 scfm @ 1.6 esp)	0.2	3794.0	662.7	766.4	1.16
	0.4	3688.0	711.0	826.8	1.24
	0.6	3572.0	758.4	882.3	1.32
	0.8	3468.0	807.1	934.6	1.41
	1	3370.0	851.6	981.7	1.49
	1.2	3259.0	894.8	1015.0	1.56
	1.4	3144.0	942.2	1069.0	1.64
	1.6	3011.0	989.9	1115.0	1.73
	1.8	2843.0	1052.0	1178.0	1.84

TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
SPEED 4 (FL 3400 scfm @ 1.6 esp)	0.2	4121.4	698.9	842.1	1.43
	0.4	4018.5	745.3	887.8	1.52
	0.6	3933.8	789.9	948.5	1.61
	0.8	3830.3	832.9	994.7	1.70
	1	3697.4	875.5	1044.0	1.79
	1.2	3617.0	917.9	1084.0	1.87
	1.4	3527.1	958.7	1117.0	1.96
	1.6	3408.0	1002.2	1162.0	2.05
	1.8	3262.0	1047.8	1217.0	2.14

TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
SPEED 5 (3400 scfm @ 1.8 esp)	0.2	4262.0	717.6	1007.0	1.56
	0.4	4164.0	761.3	1057.0	1.66
	0.6	4060.0	804.9	1125.0	1.75
	0.8	3966.0	850.9	1181.0	1.85
	1	3864.0	890.7	1250.0	1.94
	1.2	3773.0	931.5	1301.0	2.03
	1.4	3687.0	972.7	1350.0	2.12
	1.6	3576.0	1012.0	1390.0	2.20
	1.8	3463.0	1055.0	1437.0	2.30

TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
SPEED 6 (FL 2700 scfm @ 1.6 esp)	0.2	3600.0	627.5	656.7	0.96
	0.4	3479.0	679.0	698.3	1.04
	0.6	3363.0	727.8	747.3	1.12
	0.8	3256.0	775.1	808.1	1.19
	1	3144.0	823.4	855.4	1.26
	1.2	3034.0	870.2	893.8	1.34
	1.4	2910.0	921.1	939.6	1.41
	1.6	2726.0	986.6	993.0	1.52
	1.8				

TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
SPEED 7 (FL 2700 scfm @ 1.8 esp)	0.2	3785.0	651.8	758.1	1.11
	0.4	3679.0	700.9	800.1	1.19
	0.6	3556.0	747.7	840.1	1.27
	0.8	3451.0	796.1	887.5	1.36
	1	3359.0	841.1	935.7	1.43
	1.2	3249.0	886.3	976.3	1.51
	1.4	3103.0	933.0	1028.0	1.59
	1.6	2981.0	982.9	1077.0	1.67
	1.8	2754.0	1056.0	1150.0	1.80

TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
SPEED 8 (FL 3000 scfm @ 1.6 esp)	0.2	3794.0	662.7	766.4	1.16
	0.4	3688.0	711.0	826.8	1.24
	0.6	3572.0	758.4	882.3	1.32
	0.8	3468.0	807.1	934.6	1.41
	1	3370.0	851.6	981.7	1.49
	1.2	3259.0	894.8	1015.0	1.56
	1.4	3144.0	942.2	1069.0	1.64
	1.6	3011.0	989.9	1115.0	1.73
	1.8	2843.0	1052.0	1178.0	1.84

TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
SPEED 9 (FL 3400 scfm @ 1.8 esp)	0.2	4121.4	698.9	842.1	1.43
	0.4	4018.5	745.3	887.8	1.52
	0.6	3933.8	789.9	948.5	1.61
	0.8	3830.3	832.9	994.7	1.70
	1	3697.4	875.5	1044.0	1.79
	1.2	3617.0	917.9	1084.0	1.87
	1.4	3527.1	958.7	1117.0	1.96
	1.6	3408.0	1002.2	1162.0	2.05
	1.8	3262.0	1047.8	1217.0	2.14

TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
SPEED 10 (3400 scfm @ 1.8 esp)	0.2	4262.0	717.6	1007.0	1.56
	0.4	4164.0	761.3	1057.0	1.66
	0.6	4060.0	804.9	1125.0	1.75
	0.8	3966.0	850.9	1181.0	1.85
	1	3864.0	890.7	1250.0	1.94
	1.2	3773.0	931.5	1301.0	2.03
	1.4	3687.0	972.7	1350.0	2.12
	1.6	3576.0	1012.0	1390.0	2.20
	1.8	3463.0	1055.0	1437.0	2.30

8.5T Heat Pump High Static Static Horizontal
Models: DSH1023W, DSH1024W, DSH1027W

TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
SPEED 1 (2000 SCFM PL @ 0.71 esp)	0.2	2368.0	509.9	258.7	0.38
	0.4	2247.0	571.5	296.8	0.42
	0.6	2113.0	631.5	310.5	0.47
	0.8	1961.0	704.4	352.4	0.52
	1				
	1.2				
	1.4				
	1.6				
	1.8				

TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
SPEED 2 (2000 scfm pl @ 0.8 esp)	0.2	2449.0	504.1	256.9	0.39
	0.4	2330.0	570.5	294.8	0.44
	0.6	2181.0	638.0	323.6	0.49
	0.8	1991.0	58.9	358.2	0.05
	1				
	1.2				
	1.4				
	1.6				
	1.8				

TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
SPEED 3 (FL 3000 scfm @ 1.6 esp)	0.2	3711.0	686.6	717.4	1.20
	0.4	3608.0	730.2	754.9	1.27
	0.6	3517.0	772.0	805.1	1.35
	0.8	3434.0	815.5	846.4	1.42
	1	3334.0	856.4	888.1	1.49
	1.2	3231.0	900.1	914.2	1.57
	1.4	3125.0	950.9	965.5	1.66
	1.6	2986.0	1001.0	1023.0	1.75
	1.8	2885.0	1041.0	1075.0	1.82

TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
SPEED 4 (FL 3400 scfm @ 1.6 esp)	0.2	3989.3	717.6	892.0	1.47
	0.4	3894.3	760.9	940.8	1.55
	0.6	3816.5	802.6	1004.5	1.64
	0.8	3722.0	842.7	1046.7	1.72
	1	3601.7	882.6	1089.8	1.80
	1.2	3529.4	922.3	1109.0	1.88
	1.4	3449.1	960.5	11882.2	1.96
	1.6	3343.4	1001.3	1238.5	2.04
	1.8	3215.0	1044.1	1291.0	2.13

TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
SPEED 5 (3400 scfm @ 1.8 esp)	0.2	4123.0	749.7	984.4	1.63
	0.4	4032.0	790.0	1028.0	1.72
	0.6	3944.0	830.7	1072.0	1.81
	0.8	3866.0	867.8	1129.0	1.89
	1	3774.0	904.8	1168.0	1.97
	1.2	3690.0	943.2	1214.0	2.05
	1.4	3612.0	979.9	1276.0	2.13
	1.6	3506.0	943.2	1214.0	2.05
	1.8	3401.0	1068.0	1357.0	2.32

TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
SPEED 6 (FL 2700 scfm @ 1.6 esp)	0.2	3460.0	658.6	618.8	1.01
	0.4	3343.0	704.6	649.8	1.08
	0.6	3244.0	751.5	692.7	1.15
	0.8	3154.0	59.9	738.4	0.09
	1	3043.0	839.0	774.1	1.29
	1.2	2940.0	890.2	834.0	1.37
	1.4	2812.0	947.1	868.2	1.45
	1.6	2695.0	989.3	920.5	1.52
	1.8				

TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
SPEED 7 (FL 2700 scfm @ 1.8 esp)	0.2	3626.0	682.8	715.0	1.16
	0.4	3532.0	727.9	763.3	1.24
	0.6	3431.0	771.4	802.0	1.31
	0.8	3344.0	815.2	848.0	1.39
	1	3245.0	858.0	888.0	1.46
	1.2	3125.0	904.6	944.6	1.54
	1.4	3029.0	955.3	985.2	1.63
	1.6	2887.0	1011.0	1040.0	1.72
	1.8	2690.0	1075.0	1097.0	1.83

TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
SPEED 8 (FL 3000 scfm @ 1.6 esp)	0.2	3711.0	686.6	717.4	1.20
	0.4	3608.0	730.2	754.9	1.27
	0.6	3517.0	772.0	805.1	1.35
	0.8	3434.0	815.5	846.4	1.42
	1	3334.0	856.4	888.1	1.49
	1.2	3231.0	900.1	914.2	1.57
	1.4	3125.0	950.9	965.5	1.66
	1.6	2986.0	1001.0	1023.0	1.75
	1.8	2885.0	1041.0	1075.0	1.82

TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
SPEED 9 (FL 3400 scfm @ 1.8 esp)	0.2	3989.3	717.6	892.0	1.47
	0.4	3894.3	760.9	940.8	1.55
	0.6	3816.5	802.6	1004.5	1.64
	0.8	3722.0	842.7	1046.7	1.72
	1	3601.7	882.6	1089.8	1.80
	1.2	3529.4	922.3	1109.0	1.88
	1.4	3449.1	960.5	11882.2	1.96
	1.6	3343.4	1001.3	1238.5	2.04
	1.8	3215.0	1044.1	1291.0	2.13

TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
SPEED 10 (3400 scfm @ 1.8 esp)	0.2	4123.0	749.7	984.4	1.63
	0.4	4032.0	790.0	1028.0	1.72
	0.6	3944.0	830.7	1072.0	1.81
	0.8	3866.0	867.8	1129.0	1.89
	1	3774.0	904.8	1168.0	1.97
	1.2	3690.0	943.2	1214.0	2.05
	1.4	3612.0	979.9	1276.0	2.13
	1.6	3506.0	943.2	1214.0	2.05
	1.8	3401.0	1068.0	1357.0	2.32

APPENDIX A BLOWER PERFORMANCE DATA
10 TON HP

10T Heat Pump Standard Static Downshot
Models: DSH1203D, DSH1204D, DSH1207D

TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
Tap 1 PL Cooling /(fan only)	0.2	2356.0	465.7	211.5	0.30
	0.4	2189.0	548.9	252.5	0.36
	0.6				
	0.8				

TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
TAP 2 PL Cooling	0.2	3026.0	542.9	378.2	0.56
	0.4	2875.0	608.0	416.2	0.63
	0.6	2733.0	669.7	455.0	0.70
	0.8	2346.0	778.1	520.3	0.81

TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
TAP 3 FL Cooling/Heating Rated	0.2	4008.0	649.2	716.7	1.16
	0.4	3879.0	704.0	773.3	1.26
	0.6	3759.0	758.0	831.1	1.35
	0.8	3664.0	807.4	879.6	1.44

TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
TAP 4 400 CFM/ Ton Cooling @ 0.6 esp	0.2	4152.2	692.8	923.4	1.33
	0.4	4055.6	746.3	973.2	1.44
	0.6	3940.2	793.4	1028.0	1.53
	0.8	3821.4	846.1	1083.0	1.63

TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
TAP 5 400 CFM/ Ton Cooling @0.8 esp	0.2	4430.0	697.1	923.4	1.49
	0.4	4314.0	745.6	973.2	1.60
	0.6	4171.0	794.4	1028.0	1.70
	0.8	4054.0	841.7	1083.0	1.80

TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
TAP 6 EH Min @ 0.2 (low heat)	0.2	3203.0	554.5	404.2	0.64
	0.4				
	0.6				
	0.8				

TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
TAP 7 EH Min @ 0.6 (low heat high speed)	0.2	3490.0	587.5	493.0	0.79
	0.4	3331.0	645.0	526.6	0.87
	0.6	3211.0	703.7	576.2	0.95
	0.8				

TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
Tap 8 EH min @ 0.8 (high heat)	0.2	3656.0	605.5	547.7	0.88
	0.4	3519.0	663.7	594.4	0.96
	0.6	3388.0	720.9	643.3	1.04
	0.8	3200.0	773.4	687.1	1.12

TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
TAP 9 400 CFM/ Ton Cooling @ 0.6 esp	0.2	4152.2	692.8	923.4	1.33
	0.4	4055.6	746.3	973.2	1.44
	0.6	3940.2	793.4	1028.0	1.53
	0.8	3821.4	846.1	1083.0	1.63

TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
TAP 10 400 CFM/ Ton Cooling @0.8 esp	0.2	4430.0	697.1	923.4	1.49
	0.4	4314.0	745.6	973.2	1.60
	0.6	4171.0	794.4	1028.0	1.70
	0.8	4054.0	841.7	1083.0	1.80

10T Heat Pump Standard Static Downshot
Models: DSH1203D, DSH1204D, DSH1207D

TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
Tap 1 PL Cooling /(fan only)	0.2	2308.0	468.9	231.9	0.30
	0.4	1969.0	585.9	251.1	0.38
	0.6				
	0.8				

TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
TAP 2 PL Cooling	0.2	2962.0	549.0	355.6	0.57
	0.4	2819.0	612.1	386.9	0.64
	0.6	2673.0	670.9	429.6	0.70
	0.8	2301.0	771.7	489.2	0.80

TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
TAP 3 FL Cooling/Heating Rated	0.2	3897.0	668.8	714.0	1.20
	0.4	3800.0	718.0	761.6	1.28
	0.6	3694.0	765.3	811.1	1.37
	0.8	3588.0	814.0	863.3	1.45

TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
TAP 4 400 CFM/ Ton Cooling @ 0.6 esp	0.2	4102.0	684.3	569.5	1.32
	0.4	4015.0	734.5	597.7	1.41
	0.6	3911.0	777.7	647.9	1.50
	0.8	3804.0	826.1	696.9	1.59

TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
TAP 5 400 CFM/ Ton Cooling @0.8 esp	0.2	4287.0	716.2	926.0	1.54
	0.4	4193.0	760.2	973.3	1.63
	0.6	4097.0	807.7	1037.0	1.73
	0.8	3995.0	848.7	1071.0	1.82

TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
TAP 6 EH Min @ 0.2 (low heat)	0.2	3154.0	572.0	428.5	0.66
	0.4				
	0.6				
	0.8				

TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
TAP 7 EH Min @ 0.6 (low heat high speed)	0.2	3405.0	604.3	513.2	0.81
	0.4	3281.0	660.4	555.7	0.89
	0.6	3150.0	720.3	609.9	0.97
	0.8				

TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
Tap 8 EH min @ 0.8 (high heat)	0.2	3535.0	620.6	569.5	0.90
	0.4	3417.0	675.8	597.7	0.98
	0.6	3299.0	729.7	647.9	1.06
	0.8	3161.0	790.6	696.9	1.14

TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
TAP 9 400 CFM/ Ton Cooling @ 0.6 esp	0.2	4102.0	684.3	569.5	1.32
	0.4	4015.0	734.5	597.7	1.41
	0.6	3911.0	777.7	647.9	1.50
	0.8	3804.0	826.1	696.9	1.59

TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
TAP 10 400 CFM/ Ton Cooling @0.8 esp	0.2	4287.0	716.2	926.0	1.54
	0.4	4193.0	760.2	973.3	1.63
	0.6	4097.0	807.7	1037.0	1.73
	0.8	3995.0	848.7	1071.0	1.82

APPENDIX A BLOWER PERFORMANCE DATA
10 TON HP

10T Heat Pump Medium Static Downshot
Models: DSH1203L, DSH1204L, DSH1207L

TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
T1 PL (2300 SCFM @ 0.4 esp)	0.2	2452.0	481.1	242.1	0.35
	0.4	2285.0	561.4	275.5	0.40
	0.6				
	0.8				
	1				
	1.2				
	1.4				

Speed Tap	ESP	SCFM	R.P.M.	WATTS	BHP
T2 PL (2300 SCFM @ 0.51 esp)	0.2	2620.0	496.3	277.4	0.39
	0.4	2455.0	571.4	317.9	0.45
	0.6	2061.0	684.5	371.8	0.54
	0.8				
	1				
	1.2				
	1.4				

Speed Tap	ESP	SCFM	R.P.M.	WATTS	BHP
T3 (3800 SCFM @1.1 esp)	0.2	4315.0	689.0	890.7	1.41
	0.4	4156.0	735.9	940.3	1.51
	0.6	4047.0	787.1	1001.0	1.61
	0.8	3941.0	837.6	1063.0	1.72
	1	3828.0	880.9	1113.0	1.81
	1.2	3710.0	928.7	1171.0	1.91
	1.4	3369.0	1029.0	1282.0	2.11

Speed Tap	ESP	SCFM	R.P.M.	WATTS	BHP
T4 (3800SCFM @ 1.4 esp)	0.2	4501.0	713.8	1001.0	1.61
	0.4	4393.0	758.9	1062.0	1.71
	0.6	4279.0	808.7	1121.0	1.82
	0.8	4142.0	856.8	1178.0	1.93
	1	4037.0	900.1	1232.0	2.03
	1.2	3930.0	944.5	1289.0	2.13
	1.4	3786.0	995.1	1349.0	2.24

Speed Tap	ESP	SCFM	R.P.M.	WATTS	BHP
T5 (4000 SCFM @ 1.4 esp)	0.2	4687.0	731.7	1100.0	1.78
	0.4	4584.0	776.9	1160.0	1.89
	0.6	4466.0	824.9	1216.0	2.00
	0.8	4361.0	871.5	1289.0	2.12
	1	4246.0	916.1	1356.0	2.22
	1.2	4120.0	956.9	1406.0	2.32
	1.4	3996.0	1000.0	1454.0	2.43

Speed Tap	ESP	SCFM	R.P.M.	WATTS	BHP
T6 EH Min (3150 SCFM @ 1.1 esp)	0.2	3842.0	642.7	683.8	1.08
	0.4	3712.0	697.1	734.2	1.17
	0.6	3600.0	751.0	795.7	1.26
	0.8	3477.0	800.1	835.1	1.34
	1	3353.0	855.1	901.5	1.44
	1.2				
	1.4				

Speed Tap	ESP	SCFM	R.P.M.	WATTS	BHP
T7 (3150 SCFM @ 1.4 esp) EH Min	0.2	4125.0	675.1	826.8	1.30
	0.4	4012.0	724.9	874.1	1.40
	0.6	3896.0	775.5	924.9	1.49
	0.8	3789.0	826.4	981.6	1.59
	1	3679.0	873.1	1033.0	1.68
	1.2	3519.0	927.9	1089.0	1.79
	1.4	3146.0	1027.0	1197.0	1.98

Speed Tap	ESP	SCFM	R.P.M.	WATTS	BHP
T8 (3800 SCFM @1.1 esp) EH	0.2	4315.0	689.0	890.7	1.41
	0.4	4156.0	735.9	940.3	1.51
	0.6	4047.0	787.1	1001.0	1.61
	0.8	3941.0	837.6	1063.0	1.72
	1	3828.0	880.9	1113.0	1.81
	1.2	3710.0	928.7	1171.0	1.91
	1.4	3369.0	1029.0	1282.0	2.11

Speed Tap	ESP	SCFM	R.P.M.	WATTS	BHP
T9 (3800SCFM @ 1.4 esp) EH	0.2	4501.0	713.8	1001.0	1.61
	0.4	4393.0	758.9	1062.0	1.71
	0.6	4279.0	808.7	1121.0	1.82
	0.8	4142.0	856.8	1178.0	1.93
	1	4037.0	900.1	1232.0	2.03
	1.2	3930.0	944.5	1289.0	2.13
	1.4	3786.0	995.1	1349.0	2.24

Speed Tap	ESP	SCFM	R.P.M.	WATTS	BHP
T10 (4000 SCFM @ 1.4 esp)	0.2	4687.0	731.7	1100.0	1.78
	0.4	4584.0	776.9	1160.0	1.89
	0.6	4466.0	824.9	1216.0	2.00
	0.8	4361.0	871.5	1289.0	2.12
	1	4246.0	916.1	1356.0	2.22
	1.2	4120.0	956.9	1406.0	2.32
	1.4	3996.0	1000.0	1454.0	2.43

10T Heat Pump Medium Static Horizontal
Models: DSH1203L, DSH1204L, DSH1207L

Speed Tap	ESP	STD	R.P.M.	WATTS	BHP
T1 PL (2300 SCFM @ 0.4 esp)	0.20	2457.0	493.1	247.7	0.35
	0.40	2301.0	570.9	284.6	0.41
	0.60				
	0.80				
	1.00				
	1.20				
	1.40				

Speed Tap	ESP	SCFM	R.P.M.	WATTS	BHP
T2 PL (2300 SCFM @ 0.51 esp)	0.20	2577.0	597.4	273.6	0.47
	0.40	2435.0	649.7	309.0	0.51
	0.60	2053.0	734.7	367.1	0.58
	0.80				
	1.00				
	1.20				
	1.40				

Speed Tap	ESP	SCFM	R.P.M.	WATTS	BHP
T3 (3800 SCFM @1.1 esp)	0.20	4277.0	696.2	834.2	1.43
	0.40	4174.0	738.5	873.0	1.51
	0.60	4076.0	785.4	938.1	1.61
	0.80	3970.0	831.3	992.3	1.71
	1.00	3822.0	888.1	1064.0	1.82
	1.20	3702.0	938.2	1119.0	1.92
	1.40	3427.0	1019.0	1228.0	2.09

Speed Tap	ESP	SCFM	R.P.M.	WATTS	BHP
T4 (3800SCFM @ 1.4 esp)	0.20	4477.0	718.5	950.6	1.62
	0.40	4373.0	763.0	1005.0	1.72
	0.60	4276.0	808.1	1063.0	1.82
	0.80	4180.0	853.1	1139.0	1.92
	1.00	4049.0	900.6	1192.0	2.03
	1.20	3933.0	950.4	1254.0	2.14
	1.40	3791.0	1001.0	1308.0	2.25

Speed Tap	ESP	STD	R.P.M.	WATTS	BHP
T5 (4000 SCFM @ 1.4 esp)	0.20	4669.0	748.8	1119.0	1.82
	0.40	4559.0	793.8	1169.0	1.93
	0.60	4466.0	835.5	1228.0	2.03
	0.80	4372.0	876.3	1276.0	2.13
	1.00	4226.0	923.7	1353.0	2.24
	1.20	4126.0	969.9	1409.0	2.35
	1.40	4002.0	1010.0	1460.0	2.45

Speed Tap	ESP	STD	R.P.M.	WATTS	BHP
T6 EH Min (3150 SCFM @ 1.1 esp)	0.20	3831.0	654.3	676.9	1.10
	0.40	3730.0	703.1	711.1	1.18
	0.60	3626.0	750.5	757.1	1.26
	0.80	3503.0	803.2	797.5	1.35
	1.00	3377.0	859.4	865.5	1.44
	1.20				
	1.40				

Speed Tap	ESP	STD	R.P.M.	WATTS	BHP
T7 (3150 SCFM @ 1.4 esp) EH Min	0.20	4102.0	684.3	801.9	1.32
	0.40	4015.0	734.5	853.7	1.41
	0.60	3911.0	777.7	894.4	1.50
	0.80	3804.0	826.1	946.2	1.59
	1.00	3700.0	874.5	1017.0	1.68
	1.20	3540.0	933.4	1065.0	1.80
	1.40	3162.0	1028.0	1163.0	1.98

Speed Tap	ESP	SCFM	R.P.M.	WATTS	BHP
T8 (3800 SCFM @1.1 esp) EH	0.20	4277.0	696.2	834.2	1.43
	0.40	4174.0	738.5	873.0	1.51
	0.60	4076.0	785.4	938.1	1.61
	0.80	3970.0	831.3	992.3	1.71
	1.00	3822.0	888.1	1064.0	1.82
	1.20	3702.0	938.2	1119.0	1.92
	1.40	3427.0	1019.0	1228.0	2.09

Speed Tap	ESP	SCFM	R.P.M.	WATTS	BHP
T9 (3800SCFM @ 1.4 esp) EH	0.20	4477.0	718.5	950.6	1.62
	0.40	4373.0	763.0	1005.0	1.72
	0.60	4276.0	808.1	1063.0	1.82
	0.80	4180.0	853.1	1139.0	1.92
	1.00	4049.0	900.6	1192.0	2.03
	1.20	3933.0	950.4	1254.0	2.14
	1.40	3791.0	1001.0	1308.0	2.25

Speed Tap	ESP	STD	R.P.M.	WATTS	BHP
T10 (4000 SCFM @ 1.4 esp)	0.20	4669.0	748.8	1119.0	1.82
	0.40	4559.0	793.8	1169.0	1.93
	0.60	4466.0	835.5	1228.0	2.03
	0.80	4372.0	876.3	1276.0	2.13
	1.00	4226.0	923.7	1353.0	2.24
	1.20	4126.0	969.9	1409.0	2.35
	1.40	4002.0	1010.0	1460.0	2.45

APPENDIX A BLOWER PERFORMANCE DATA
10 TON HP

10T Heat Pump High Static Downshot
Models: DSH1203W, DSH1204W, DSH1207W

TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
T1 PL (2300 SCFM @ 0.58 esp)	0.2	2682.0	503.6	266.6	0.45
	0.4	2553.0	576.7	315.3	0.51
	0.6	2181.0	691.0	373.0	0.61
	0.8				
	1				
	1.2				
	1.4				
	1.6				
	1.8				

TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
T2 PL (2300 SCFM @ 0.62 esp)	0.2	2778.0	514.4	281.8	0.47
	0.4	2633.0	582.5	322.8	0.53
	0.6	2246.0	697.7	388.5	0.64
	0.8	2046.0	751.0	420.4	0.68
	1				
	1.2				
	1.4				
	1.6				
	1.8				

TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
T3 PL (3800 SCFM @ 1.6 esp)	0.2	4809.0	751.1	1086.0	1.68
	0.4	4693.0	796.6	1150.0	1.78
	0.6	4579.0	840.3	1250.0	1.88
	0.8	4480.0	882.8	1271.0	1.97
	1	4374.0	919.9	1328.0	2.05
	1.2	4234.0	962.2	1383.0	2.15
	1.4	4107.0	1004.0	1457.0	2.24
	1.6	3846.0	1086.0	1564.0	2.43
	1.8	3558.0	1151.0	1659.0	2.57

TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
T4 (FL 4000 scfm @ 1.8 esp)	0.2	4992.0	772.4	1233.0	1.85
	0.4	4885.0	818.4	1306.0	1.96
	0.6	4765.0	856.5	1358.0	2.05
	0.8	4663.0	899.8	1423.0	2.16
	1	4556.0	937.2	1468.0	2.25
	1.2	4463.0	977.3	1550.0	2.34
	1.4	4340.0	1016.0	1605.0	2.44
	1.6	4146.0	1076.0	1707.0	2.58
	1.8	3833.0	1159.0	1837.0	2.78

TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
T5 4000 SCFM @ 1.8	0.2	5193.6	643.4	1570.0	1.64
	0.4	5093.4	675.8	1644.0	1.72
	0.6	4987.6	709.9	1712.0	1.81
	0.8	4867.3	748.8	1777.0	1.91
	1	4768.7	780.7	1845.0	1.99
	1.2	4659.1	816.1	1902.0	2.08
	1.4	4543.1	853.6	1961.0	2.18
	1.6	4476.7	875.0	2025.0	2.23
	1.8	4050.0	996.8	2107.0	2.54

TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
T6 EH1 (3150 scfm @ 1.6 esp)	0.2	4525.0	713.7	936.6	1.41
	0.4	4413.0	760.3	1001.0	1.50
	0.6	4282.0	807.1	1049.0	1.60
	0.8	4143.0	852.6	1107.0	1.69
	1	4039.0	893.9	1163.0	1.77
	1.2	3913.0	936.4	1211.0	1.85
	1.4	3688.0	1013.0	1299.0	2.00
	1.6	3352.0	1089.0	1381.0	2.15
	1.8	3210.0	1126.0	1435.0	2.23

TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
T7 EH2(3150 scfm @ 1.8 esp	0.2	4654.0	732.2	1010.0	1.53
	0.4	4529.0	776.6	1055.0	1.62
	0.6	4414.0	822.6	1116.0	1.72
	0.8	4299.0	864.4	1159.0	1.81
	1	4170.0	906.5	1218.0	1.89
	1.2	4063.0	949.3	1277.0	1.98
	1.4	3869.0	1012.0	1342.0	2.12
	1.6	3543.0	1093.0	1441.0	2.28
	1.8	3369.0	1139.0	1515.0	2.38

TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
T8 EH+HP (FL 3800 scfm @ 1.6 esp)	0.2	4809.0	751.1	1086.0	1.68
	0.4	4693.0	796.6	1150.0	1.78
	0.6	4579.0	840.3	1250.0	1.88
	0.8	4480.0	882.8	1271.0	1.97
	1	4374.0	919.9	1328.0	2.05
	1.2	4234.0	962.2	1383.0	2.15
	1.4	4107.0	1004.0	1457.0	2.24
	1.6	3846.0	1086.0	1564.0	2.43
	1.8	3558.0	1151.0	1659.0	2.57

TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
T9 EH+HP (FL 3800 scfm @ 1.8 esp)	0.2	4992.0	772.4	1233.0	1.85
	0.4	4885.0	818.4	1306.0	1.96
	0.6	4765.0	856.5	1358.0	2.05
	0.8	4663.0	899.8	1423.0	2.16
	1	4556.0	937.2	1468.0	2.25
	1.2	4463.0	977.3	1550.0	2.34
	1.4	4340.0	1016.0	1605.0	2.44
	1.6	4146.0	1076.0	1707.0	2.58
	1.8	3833.0	1159.0	1837.0	2.78

TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
T10 4000 SCFM @ 1.8	0.2	5193.6	643.4	1570.0	1.64
	0.4	5093.4	675.8	1644.0	1.72
	0.6	4987.6	709.9	1712.0	1.81
	0.8	4867.3	748.8	1777.0	1.91
	1	4768.7	780.7	1845.0	1.99
	1.2	4659.1	816.1	1902.0	2.08
	1.4	4543.1	853.6	1961.0	2.18
	1.6	4476.7	875.0	2025.0	2.23
	1.8	4050.0	996.8	2107.0	2.54

10T Heat Pump High Static Horizontal
Models: DSH1203W, DSH1204W, DSH1207W

TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
T1 PL (2300 SCFM @ 0.58 esp)	0.2	2701.0	549.9	316.1	0.49
	0.4	2631.0	586.4	330.9	0.52
	0.6	2304.0	701.3	398.4	0.62
	0.8	2163.0	750.2	437.9	0.66
	1.0				
	1.2				
	1.4				
	1.6				
	1.8				

TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
T2 PL (2300 SCFM @ 0.62 esp)	0.2	2827.0	532.2	323.8	0.48
	0.4	2693.0	593.9	363.5	0.54
	0.6	2355.0	704.8	432.6	0.64
	0.8	2193.0	758.6	467.6	0.69
	1.0	2068.0	806.3	489.2	0.73
	1.2				
	1.4				
	1.6				
	1.8				

TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
T3 PL (3800 SCFM @ 1.6 esp)	0.2	4683.0	789.0	1158.0	1.76
	0.4	4593.0	813.9	1221.0	1.82
	0.6	4497.0	855.1	1281.0	1.91
	0.8	4388.0	893.5	1331.0	2.00
	1.0	4297.0	932.1	1390.0	2.08
	1.2	4167.0	972.1	1448.0	2.17
	1.4	4085.0	1004.0	1497.0	2.24
	1.6	3836.0	1089.0	1608.0	2.43
	1.8	3553.0	1153.0	1689.0	2.58

TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
T4 (FL 4000 scfm @ 1.8 esp)	0.2	4878.0	797.6	1300.0	1.91
	0.4	4779.0	837.4	1365.0	2.01
	0.6	4692.0	874.3	1421.0	2.10
	0.8	4580.0	911.7	1483.0	2.19
	1.0	4491.0	950.6	1539.0	2.28
	1.2	4379.0	987.9	1582.0	2.37
	1.4	4280.0	11.0	1656.0	0.03
	1.6	4170.0	1057.0	1702.0	2.53
	1.8	3800.0	1163.0	1855.0	2.79

TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
T5 4000 SCFM @ 1.8	0.2	5040.2	675.6	1614.0	1.72
	0.4	4949.9	705.7	1633.0	1.80
	0.6	4854.6	737.5	1741.0	1.88
	0.8	4746.3	773.6	1801.0	1.97
	1.0	4657.4	803.3	1858.0	2.05
	1.2	4558.7	836.2	1923.0	2.13
	1.4	4454.1	871.1	1964.0	2.22
	1.6	4394.3	891.1	2025.0	2.27
	1.8	4054.8	1004.3	2104.0	2.56

TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
T6 EH1 (3150 scfm @ 1.6 esp)	0.2	4277.0	728.6	953.4	1.44
	0.4	4146.0	775.3	1006.0	1.53
	0.6	4035.0	821.6	1057.0	1.62
	0.8	3923.0	864.8	1116.0	1.71
	1	3810.0	912.6	1179.0	1.80
	1.2	3657.0	965.4	1234.0	1.91
	1.4	3353.0	1048.0	1310.0	2.07
	1.6	3157.0	1098.0	1372.0	2.17
	1.8	3024.0	1130.0	1416.0	2.23

TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
T7 EH2(3150 scfm @ 1.8 esp	0.2	4391.0	745.8	1009.0	1.56
	0.4	4255.0	790.9	1063.0	1.65
	0.6	4158.0	836.3	1121.0	1.75
	0.8	4045.0	879.3	1171.0	1.84
	1	3927.0	923.3	1226.0	1.93
	1.2	3797.0	975.5	1294.0	2.04
	1.4	3597.0	1035.0	1393.0	2.16
	1.6	3287.0	1110.0	1467.0	2.32
	1.8	3155.0	1146.0	1515.0	2.40

TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
T8 EH+HP (FL 3800 scfm @ 1.6 esp)	0.2	4683.0	789.0	1158.0	1.76
	0.4	4593.0	813.9	1221.0	1.82
	0.6	4497.0	855.1	1281.0	1.91
	0.8	4388.0	893.5	1331.0	2.00
	1.0	4297.0	932.1	1390.0	2.08
	1.2	4167.0	972.1	1448.0	2.17
	1.4	4085.0	1004.0	1497.0	2.24
	1.6	3836.0	1089.0	1608.0	2.43
	1.8	3553.0	1153.0	1689.0	2.58

TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
T9 EH+HP (FL 3800 scfm @ 1.8 esp)	0.2	4878.0	797.6	1300.0	1.91
	0.4	4779.0	837.4	1365.0	2.01
	0.6	4692.0	874.3	1421.0	2.10
	0.8	4580.0	911.7	1483.0	2.19
	1.0	4491.0	950.6	1539.0	2.28
	1.2	43.8	987.9	1582.0	2.37
	1.4	4280.0	11.0	1656.0	0.03
	1.6	4170.0	1057.0	1702.0	2.53
	1.8	3800.0	1163.0	1855.0	2.79

TAP SPEED	ESP	SCFM	R.P.M.	WATTS	BHP
T10 4000 SCFM @ 1.8	0.2	5040.2	675.6	1614.0	1.72
	0.4	4949.9	705.7	1633.0	1.80
	0.6	4854.6	737.5	1741.0	1.88
	0.8	4746.3	773.6	1801.0	1.97
	1.0	4657.4	803.3	1858.0	2.05
	1.2	4558.7	836.2	1923.0	2.13
	1.4	4454.1	871.1	1964.0	2.22
	1.6	4394.3	891.1	2025.0	2.27
	1.8	4054.8	1004.3	2104.0	2.56