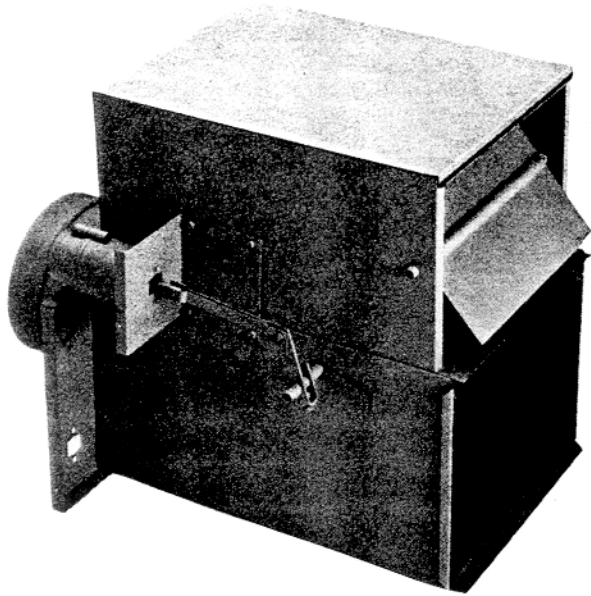## MODEL BT-II

DESCRIPTION

Model BT Terminals are designed for use in low and medium pressure, variable air volume, single duct by-pass systems. Model BT Terminals are generally applied to smaller systems utilizing package apparatus, wherein constant volume air flow is provided to Terminal. Control is achieved through by-passing the primary air back through the apparatus return air system (ceiling plenum). Ducting of the by-pass port is not a recommended practice unless there is sufficient inlet Ps to overcome the additional pressure loss.

The Model BT By-Pass Terminal incorporates a straight through low pressure drop design. Its single-blade by-pass damper operates through a 45° arc, providing throttling (by-pass) capability in all damper positions. An additional manual damper is provided in the by-pass port for balancing purposes.

Accessories available for the BT include a Multiple Outlet Plenum (MOP) for conditions requiring use of more than one air outlet per Terminal and a Sound Attenuator (SA) for applications dictating abnormally low noise criteria. BT units are also available with a full line of terminal or reheat water coils and electric heaters. Hot water coil performance tables are on the following pages. Refer to section SSD-EH-II for electric heater selection (pg. 19).

CONSTRUCTION

Model BT Terminals are manufactured of zinc-coated steel: 24-gauge casing, 16-gauge damper and 20-gauge damper seat. (Heavier casing gauges are available at extra cost.) Assembly of the casing is by means of a mechanical lock, insuring the tightest possible construction.

Units may be provided with round, oval or rectangular inlet and outlet collars. Round or oval inlets and slip-and-drive discharge are standard. By-pass port is rectangular.

All BT casings are internally lined with ½" thick, 4 # dual density, coated fiberglass, complying with N.F.P.A. 90-A and UL181. No raw edges are exposed to the air stream.

PERFORMANCE

Model BT units are only available with system pressure dependent control. The space thermostat controls the BT, providing desired room temperature by varying the air volume to the space served.

Model BT units, due to their pressure-dependent characteristics, can fluctuate through their range as the system pressure changes. For this reason, Model BT units are not recommended for large systems.

SELECTION

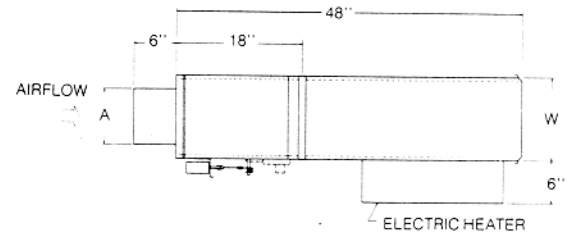Model BT should be selected in the mid to upper-mid range of the performance table (CFM) to insure maximum operating efficiency. Published performance values have been established by actual tests at the rated (CFM) value. The recommended selection range will produce the quietest possible system.

CONTROLS

Terminals are available with pneumatic or electronic controls. Control sequence descriptions and reproducible schematics are shown in Control Sequence Guide CSP 187 (pneumatic) and CSE 287 (electronic).

MODEL BT-II
MODEL BT-WC-II

MODEL BT-EH-II

SLIP & DRIVE-FIELD CONNECTION

AIRFLOW

A

W

OUTLET SLIP & DRIVE STANDARD

SUPPLY & RETURN WATER CONNECTION

AIRFLOW

A

W

6"

ELECTRIC HEATER

BALANCING DAMPER

PNEUMATIC ACTUATOR

8½" BYPASS AIRFLOW

AIR FLOW

8" MAX.

H

½" INSULATION (ALL INTERIOR SURFACES)

ELECTRIC ACTUATOR (OPTIONAL)

HOT WATER COIL (OPTIONAL)

PNEUMATIC ACTUATOR

8½"

BALANCING DAMPER

BYPASS AIRFLOW

OUTLET SLIP & DRIVE STANDARD

AIRFLOW

8" MAX.

10"

POWER CONNECTION

½" INSULATION (ALL INTERIOR SURFACES)

ELECTRIC ACTUATOR (OPTIONAL)

NOTE:

TO MAINTAIN THE INTEGRITY OF PUBLISHED PERFORMANCE DATA, A BRANCH DAMPER MUST BE PROVIDED IN THE PRIMARY AIR DUCT UPSTREAM OF THE TERMINAL. THIS WILL ALLOW ONLY THE MINIMUM PRESSURE REQUIRED AT THE TERMINAL INLET AND THUS GREATLY REDUCE NOISE LEVELS IN THE SPACE SERVED.
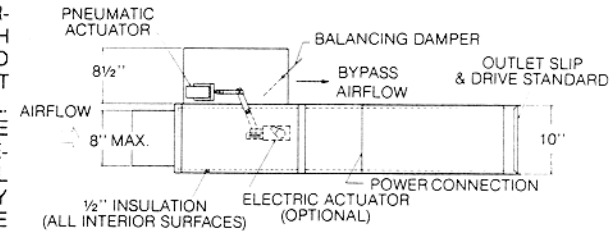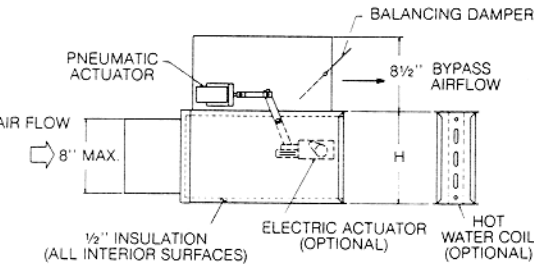
PERFORMANCE DATA

Model BT-II			
Terminal Size	CFM	Min. $\triangle$Pt	NC
6	200	.09	24
	300	.07	30
	400	.12	34
8	350	.03	23
	525	.06	29
	700	.10	34
10	500	.02	23
	750	.04	30
	1000	.07	35
12	700	.03	24
	1050	.06	31
	1400	.10	36
14	900	.04	25
	1300	.07	31
	1700	.12	37
16	1100	.03	26
	1600	.06	33
	2100	.10	38
18	1300	.02	28
	1900	.05	35
	2500	.08	40

DIMENSIONAL DATA BT-II & BT-WC-II

	Unit Size	6	8	10	12	14	16	18
	A	6"	8"	11"	14⅛"	17¼"	20⅜"	23⁹⁄₁₆"
W	BT-II BT-WC-II	8"	12"	14"	18"	22"	22"	26"
H	BT-II	10"						
	BT-WC-II	10"		12½"				

DIMENSIONAL DATA BT-EH-II

Unit Size	6	8	10	12	14	16	18
W	8"	12"	14"	18"	22"	22"	26"
A	6"	8"	11"	14⅛"	17¼"	20⅜"	23⁹⁄₁₆"

$\triangle$Pt is the total pressure difference between the terminal inlet and discharge in the full cooling mode. This value does not include pressure losses downstream of the terminal unit.

Airborne sound levels are negligible when compared to radiated sound levels of a bypass terminal. In the full cooling mode both discharge and radiated levels are low. When the zone becomes satisfied and the terminal goes into the bypass mode, radiated sound pressure levels in the zone below will increase. The NC levels shown above represent this mode of operation. This assumes minimum operating pressure at the terminal inlet regulated by an upstream damper.

NC levels are based on 10dB room absorption and ceiling sound transmission class 35-39.

HOT WATER COIL SELECTION PROCEDURE

DEFINITION OF TERMS:

EAT — Entering Air Temperature (degrees F)
LAT — Leaving Air Temperature (degrees F)
EWT — Entering Water Temperature (degrees F)
LWT — Leaving Water Temperature (degrees F)
ATR — Air Temperature Rise (degrees F)
WTD — Water Temperature Drop (degrees F)
CFM — Air Volume (Cubic Feet Per Minute)
MBH — 1000 BTUH
BTUH — Coil Heating Capacity (British Thermal Units Per Hour)

SELECTION:

Tables are based on temperature difference of 115 degrees F between entering water and entering air. If this ΔT is suitable, proceed directly to tables for selection. All pertinent performance data is tabulated. FOR VARIABLE AIR VOLUME APPLICATIONS, THE AIR STATIC PRESSURE DROP MUST BE BASED ON THE MAXIMUM AIR VOLUME.

ENTERING WATER-AIR TEMPERATURE DIFFERENTIAL [ΔT CORRECTION FACTORS]

ΔT	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80
FACTOR	.15	.19	.23	.27	.31	.35	.39	.43	.47	.51	.55	.59	.63	.67	.71
ΔT	85	90	95	100	105	110	115	120	125	130	135	140	145	150	155
FACTOR	.75	.79	.83	.88	.92	.96	1.00	1.04	1.08	1.13	1.17	1.21	1.25	1.29	1.33

The table above gives correction factors for various entering ΔT's (difference between entering water temperature and entering air temperature). Multiply MBH values obtained from selection tables by the appropriate correction factor above to obtain the actual MBH value. Air and water pressure drop can be read directly from the selection table. The leaving air temperature and leaving water temperature can be calculated from the following fundamental formulas:

$$LAT = EAT + \frac{BTUH}{1.08 \times CFM}$$

$$LWT = EWT - \frac{BTUH}{500 \times GPM}$$

Model BT-WC Size 6

AIR VOLUME (CFM)	AIR PD (IN. W.G.)	FLOW RATE (GPM)	WATER PD 1 ROW	WATER PD 2 ROW	LAT 1 ROW	LAT 2 ROW	LWT 1 ROW	LWT 2 ROW	CAP 1 ROW (MBH)	CAP 2 ROW (MBH)
125	1 Row 0.02 / 2 Row 0.03	0.5	0.1	0.0	96.0	116.5	157.8	146.8	5.54	8.30
		1.0	0.3	0.1	100.6	125.7	167.7	160.9	6.15	9.55
		2.0	1.1	0.3	103.4	131.0	173.5	169.6	6.54	10.36
		3.0	2.3	0.7	104.5	134.0	175.5	172.9	6.69	10.65
		5.0	5.7	1.6	105.5	136.1	177.3	175.6	6.82	10.94
150	1 Row 0.02 / 2 Row 0.05	0.5	0.1	0.0	91.7	109.9	156.4	143.8	5.89	9.05
		1.0	0.3	0.1	95.7	120.1	166.8	158.8	6.60	10.61
		2.0	1.1	0.3	98.6	126.8	173.0	168.4	7.05	11.64
		3.0	2.3	0.7	99.6	129.4	175.2	172.0	7.22	12.05
		5.0	5.7	1.6	100.5	131.6	177.0	175.0	7.38	12.41
175	1 Row 0.03 / 2 Row 0.06	0.5	0.1	0.0	87.4	106.3	155.5	141.2	6.13	9.69
		1.0	0.3	0.1	91.5	116.5	166.2	156.9	6.90	11.54
		2.0	1.1	0.3	94.2	122.7	172.6	167.2	7.40	12.79
		3.0	2.3	0.7	95.2	125.4	174.9	171.1	7.67	13.30
		5.0	5.7	1.6	96.1	127.7	176.9	174.5	7.77	13.75
200	1 Row 0.04 / 2 Row 0.08	0.5	0.1	0.0	85.1	102.4	154.0	139.0	6.50	10.24
		1.0	0.3	0.1	89.2	112.6	165.0	155.3	7.38	12.37
		2.0	1.1	0.3	91.9	119.1	172.0	166.2	7.96	13.84
		3.0	2.3	0.7	92.9	121.0	174.6	170.4	8.19	14.44
		5.0	5.7	1.6	93.9	121.4	176.6	174.0	8.40	14.99
225	1 Row 0.05 / 2 Row 0.10	0.5	0.1	0.0	83.1	99.1	152.7	137.1	6.83	10.73
		1.0	0.3	0.1	87.0	108.9	164.4	153.8	7.82	13.11
		2.0	1.1	0.3	89.9	115.9	171.5	165.2	8.48	14.81
		3.0	2.3	0.7	91.0	118.8	174.2	169.7	8.74	15.50
		5.0	5.7	1.6	91.9	121.4	176.4	173.5	8.97	16.14
250	1 Row 0.06 / 2 Row 0.12	0.5	0.1	0.0	81.4	96.3	151.5	135.4	7.13	11.16
		1.0	0.3	0.1	85.5	106.1	163.5	152.4	8.23	13.78
		2.0	1.1	0.3	88.3	113.1	171.0	164.0	8.90	15.69
		3.0	2.3	0.7	89.3	116.0	173.8	169.0	9.25	16.49
		5.0	5.7	1.6	90.2	118.8	176.2	173.1	9.51	17.21
275	1 Row 0.07 / 2 Row 0.14	0.5	0.1	0.0	79.9	93.8	150.4	133.9	7.41	11.54
		1.0	0.3	0.1	84.0	103.5	162.6	151.2	8.60	14.40
		2.0	1.1	0.3	86.8	110.6	170.3	163.5	9.41	16.52
		3.0	2.3	0.7	87.8	113.6	173.3	168.4	9.73	17.40
		5.0	5.7	1.6	88.7	116.4	176.0	172.7	10.02	18.22
300	1 Row 0.08 / 2 Row 0.16	0.5	0.1	0.0	78.6	91.7	149.4	132.5	7.66	11.88
		1.0	0.3	0.1	82.6	101.2	162.1	150.1	8.93	14.96
		2.0	1.1	0.3	86.3	108.3	169.7	162.7	9.83	17.28
		3.0	2.3	0.7	86.4	111.3	173.0	167.8	10.08	18.27
		5.0	5.7	1.7	87.4	114.2	175.8	172.3	10.50	19.18
325	1 Row 0.10 / 2 Row 0.19	0.5	0.1	0.0	77.5	89.7	148.4	131.0	7.89	12.19
		1.0	0.3	0.1	81.4	99.1	161.8	149.0	9.27	15.48
		2.0	1.1	0.3	84.2	106.3	169.3	162.0	10.21	18.00
		3.0	2.3	0.7	85.2	109.3	172.6	167.3	10.61	19.08
		5.0	5.7	1.7	86.2	112.2	175.6	172.0	10.95	20.08
350	1 Row 0.11 / 2 Row 0.21	0.5	0.1	0.0	76.5	88.0	147.6	130.1	8.11	12.47
		1.0	0.3	0.1	80.3	97.2	160.8	148.1	9.58	15.97
		2.0	1.1	0.3	83.0	104.4	169.7	161.3	10.59	18.67
		3.0	2.3	0.7	84.1	107.5	172.2	166.6	11.00	19.84
		5.0	5.7	1.7	85.1	110.4	175.4	171.6	11.39	20.93
375	1 Row 0.13 / 2 Row 0.24	0.5	0.1	0.0	75.5	86.4	146.8	129.1	8.31	12.73
		1.0	0.3	0.1	79.3	95.5	160.3	147.2	9.86	16.42
		2.0	1.1	0.3	82.0	102.7	169.2	160.3	10.93	19.30
		3.0	2.3	0.7	83.1	105.8	172.4	166.3	11.39	20.56
		5.0	5.7	1.7	84.1	108.7	175.3	171.3	11.80	21.75
400	1 Row 0.14 / 2 Row 0.27	0.5	0.1	0.0	74.7	85.0	146.0	128.1	8.50	12.97
		1.0	0.3	0.1	78.5	94.0	159.7	146.3	10.13	16.83
		2.0	1.1	0.3	81.1	101.1	168.7	160.1	11.28	19.90
		3.0	2.3	0.7	82.2	104.2	172.2	165.8	11.76	21.25
		5.0	5.7	1.7	83.2	107.1	175.1	171.0	12.19	22.52

Above data is based on entering water temperature of 180° F and entering air temperature of 55° F. See hot water coil selection procedure for correction factors if entering temperatures vary from these.

Model BT-WC Size 10

AIR VOLUME (CFM)	AIR PD (IN. W.G.)	FLOW RATE (GPM)	WATER PD (FT. W.G.) 1 ROW	WATER PD (FT. W.G.) 2 ROW	LAT (DEGREES F) 1 ROW	LAT (DEGREES F) 2 ROW	LWT (DEGREES F) 1 ROW	LWT (DEGREES F) 2 ROW	CAPACITY (MBH) 1 ROW	CAPACITY (MBH) 2 ROW
175	1 Row 0.01	0.5	0.1	0.1	99.5	118.3	146.4	132.2	8.41	11.96
	2 Row 0.02	1.0	0.5	0.1	105.8	129.1	161.0	152.0	9.49	14.00
		2.0	1.5	0.5	108.2	135.4	169.0	164.2	10.17	15.27
		3.0	3.1	0.9	110.1	138.4	173.1	169.5	10.42	15.75
		5.0	7.8	2.3	111.3	140.6	175.7	173.5	10.65	16.17
250	1 Row 0.02	0.5	0.1	0.1	90.0	106.4	142.2	124.0	9.44	13.99
	2 Row 0.04	1.0	0.5	0.1	95.3	118.4	158.2	145.8	10.88	17.11
		2.0	1.5	0.5	98.7	126.1	168.2	160.8	11.81	19.19
		3.0	3.2	0.9	100.2	129.0	171.9	166.7	12.17	20.01
		5.0	7.8	2.3	101.2	131.8	175.0	171.7	12.48	20.73
325	1 Row 0.04	0.5	0.1	0.1	84.0	99.0	139.3	118.2	10.18	15.44
	2 Row 0.07	1.0	0.5	0.1	88.9	110.6	156.2	141.0	11.91	19.19
		2.0	1.5	0.5	92.2	118.8	166.9	157.6	13.06	22.39
		3.0	3.2	0.9	93.5	122.1	170.9	164.3	13.61	23.56
		5.0	7.8	2.3	94.6	125.1	174.4	170.2	13.90	24.61
400	1 Row 0.05	0.5	0.1	0.1	80.5	93.3	135.9	113.9	11.04	16.53
	2 Row 0.10	1.0	0.5	0.1	84.7	104.6	153.7	137.1	13.13	21.44
		2.0	1.5	0.5	87.9	113.1	165.4	154.6	14.55	25.09
		3.0	3.2	0.9	90.2	116.6	169.9	162.3	15.12	26.60
		5.0	7.9	2.3	91.2	119.8	173.8	168.8	15.62	27.98
475	1 Row 0.07	0.5	0.1	0.1	77.9	88.9	133.0	110.4	11.75	17.39
	2 Row 0.14	1.0	0.5	0.1	82.6	99.8	151.6	133.9	14.18	23.04
		2.0	1.5	0.5	85.9	108.4	164.1	152.6	15.86	27.41
		3.0	3.2	0.9	87.2	112.1	168.6	160.5	16.54	29.27
		5.0	7.9	2.3	88.4	115.4	173.1	167.6	17.15	30.98
550	1 Row 0.09	0.5	0.1	0.1	75.8	85.4	130.6	107.7	12.35	18.08
	2 Row 0.18	1.0	0.5	0.1	80.7	96.1	149.8	131.2	15.09	24.39
		2.0	1.5	0.5	83.7	104.6	163.0	150.8	17.02	29.44
		3.0	3.2	0.9	85.0	108.2	168.1	158.9	17.81	31.63
		5.0	7.9	2.3	86.2	111.7	172.6	166.5	18.53	33.67
625	1 Row 0.12	0.5	0.1	0.1	74.1	82.6	128.5	105.4	12.87	18.66
	2 Row 0.22	1.0	0.5	0.1	78.5	92.9	148.2	128.9	15.90	25.56
		2.0	1.5	0.5	81.6	101.3	161.9	148.8	17.97	31.24
		3.0	3.2	0.9	83.1	105.0	167.4	156.6	18.97	33.75
		5.0	7.9	2.3	84.3	108.5	172.1	165.6	19.79	36.12
700	1 Row 0.14	0.5	0.1	0.1	72.6	80.3	126.7	103.4	13.32	19.14
	2 Row 0.27	1.0	0.5	0.1	76.8	90.1	146.8	126.9	16.23	26.57
		2.0	1.6	0.5	80.2	98.4	161.0	147.2	19.03	32.85
		3.0	3.2	0.9	81.5	102.2	166.6	156.2	20.03	35.57
		5.0	7.9	2.3	82.7	105.7	171.6	164.7	20.95	38.35
775	1 Row 0.17	0.5	0.1	0.1	71.4	78.4	125.5	101.8	13.73	19.56
	2 Row 0.33	1.0	0.5	0.1	75.6	87.8	145.5	125.1	17.27	27.47
		2.0	1.6	0.5	78.8	96.0	160.1	145.7	19.91	34.30
		3.0	3.2	0.9	80.1	99.7	166.0	155.1	21.01	37.42
		5.0	7.9	2.3	81.3	103.3	171.2	163.8	22.02	40.41
850	1 Row 0.20	0.5	0.1	0.1	70.3	76.8	123.7	100.3	14.09	19.92
	2 Row 0.39	1.0	0.5	0.1	74.5	85.6	144.3	123.5	17.87	28.27
		2.0	1.6	0.5	77.6	93.8	159.3	144.4	20.71	35.62
		3.0	3.2	0.9	78.9	97.5	165.4	154.0	21.92	39.03
		5.0	7.9	2.3	80.1	101.1	170.8	163.1	23.02	42.32
925	1 Row 0.24	0.5	0.1	0.1	69.4	75.3	122.4	99.0	14.41	20.24
	2 Row 0.45	1.0	0.5	0.1	73.4	84.0	143.2	122.0	18.47	28.98
		2.0	1.6	0.5	76.5	91.9	158.5	143.2	21.47	36.83
		3.0	3.2	0.9	77.8	95.6	164.8	152.4	22.76	40.51
		5.0	7.9	2.3	79.0	99.1	170.4	162.4	23.96	44.10
1000	1 Row 0.27	0.5	0.1	0.1	68.6	74.0	121.2	97.9	14.71	20.53
	2 Row 0.51	1.0	0.5	0.1	72.5	82.4	142.2	120.7	18.92	29.63
		2.0	1.6	0.5	75.6	90.1	158.0	142.1	22.15	37.95
		3.0	3.2	0.9	76.8	93.8	164.3	152.7	23.55	41.89
		5.0	7.9	2.3	78.0	97.4	170.1	161.7	24.85	45.76

Above data is based on entering water temperature of 180° F and entering air temperature of 55° F. See hot water coil selection procedure for correction factors if entering temperatures vary from these.

Model BT-WC Size 8

AIR VOLUME (CFM)	AIR PD (IN. W.G.)	FLOW RATE (GPM)	WATER PD (FT. W.G.) 1 ROW	WATER PD (FT. W.G.) 2 ROW	LAT (DEGREES F) 1 ROW	LAT (DEGREES F) 2 ROW	LWT (DEGREES F) 1 ROW	LWT (DEGREES F) 2 ROW	CAPACITY (MBH) 1 ROW	CAPACITY (MBH) 2 ROW
150	1 Row 0.01	0.5	0.1	0.1	100.3	119.8	150.7	138.0	7.33	10.50
	2 Row 0.02	1.0	1.4	0.4	105.3	130.0	163.6	155.7	8.21	12.15
		2.0	2.9	0.8	109.0	136.3	171.3	166.0	8.96	13.55
		3.0	7.1	2.1	111.4	140.7	176.3	174.4	9.14	13.89
200	1 Row 0.02	0.5	0.1	0.1	92.4	110.7	147.7	131.9	8.09	12.02
	2 Row 0.04	1.0	1.4	0.4	97.5	121.5	161.6	151.3	9.19	14.35
		2.0	2.9	0.8	100.8	128.5	170.1	164.1	9.89	15.88
		3.0	7.1	2.1	103.2	133.7	175.8	173.2	10.40	17.00
250	1 Row 0.03	0.5	0.1	0.1	87.1	103.8	145.4	127.3	8.66	13.19
	2 Row 0.06	1.0	1.4	0.4	91.9	114.9	160.1	147.7	9.96	16.16
		2.0	2.9	0.8	95.0	122.4	169.2	161.8	10.80	18.20
		3.0	7.1	2.1	97.3	128.1	175.4	172.1	11.42	19.74
300	1 Row 0.04	0.5	0.1	0.1	83.4	98.6	143.2	123.5	9.21	14.12
	2 Row 0.08	1.0	1.4	0.4	88.1	109.4	158.6	144.6	10.72	17.68
		2.0	2.9	0.8	91.2	117.4	168.3	159.8	11.71	20.22
		3.0	7.1	2.1	93.4	120.6	175.0	171.1	12.46	22.18
350	1 Row 0.06	0.5	0.1	0.1	80.9	94.4	140.8	120.5	9.79	14.88
	2 Row 0.11	1.0	1.4	0.4	85.6	105.2	156.9	142.0	11.53	18.98
		2.0	2.9	0.8	88.6	113.0	167.3	158.0	12.69	22.00
		3.0	7.1	2.1	90.9	116.5	174.6	170.2	13.58	24.40
400	1 Row 0.07	0.5	0.1	0.1	78.8	90.9	138.8	117.9	10.29	15.52
	2 Row 0.13	1.0	1.4	0.4	83.3	101.6	155.6	139.8	12.14	20.11
		2.0	2.9	0.8	86.4	109.6	166.4	156.4	13.58	23.59
		3.0	7.1	2.1	88.8	116.2	174.2	169.4	14.60	26.42
450	1 Row 0.09	0.5	0.1	0.1	77.1	88.1	137.1	115.7	10.74	16.06
	2 Row 0.16	1.0	1.4	0.4	81.5	98.4	154.2	137.8	12.89	21.11
		2.0	2.9	0.8	84.6	106.5	165.6	155.0	14.39	25.05
		3.0	7.1	2.1	87.0	113.2	173.8	168.7	15.55	28.28
500	1 Row 0.10	0.5	0.1	0.1	75.6	85.6	135.5	113.9	11.13	16.54
	2 Row 0.20	1.0	1.4	0.4	80.0	95.7	153.0	136.0	13.48	22.00
		2.0	2.9	0.8	83.0	103.8	164.9	153.7	15.14	26.34
		3.0	7.1	2.1	85.4	110.6	173.4	168.0	16.43	30.00
550	1 Row 0.12	0.5	0.1	0.1	74.3	83.5	134.0	112.2	11.49	16.95
	2 Row 0.23	1.0	1.4	0.4	78.6	93.4	152.0	134.4	14.09	22.79
		2.0	2.9	0.8	81.6	101.4	164.2	152.5	15.83	27.54
		3.0	7.1	2.1	84.0	104.9	173.1	167.4	17.25	31.60
600	1 Row 0.14	0.5	0.1	0.1	73.2	81.7	132.8	110.7	11.81	17.32
	2 Row 0.27	1.0	1.4	0.4	77.4	91.3	151.0	133.0	14.52	23.51
		2.0	2.9	0.8	80.7	99.2	163.5	151.4	16.47	28.64
		3.0	7.1	2.1	82.8	106.1	172.8	166.8	18.02	33.10
650	1 Row 0.17	0.5	0.1	0.1	72.2	80.1	131.6	109.4	12.11	17.64
	2 Row 0.32	1.0	1.4	0.4	76.3	89.4	150.0	131.7	14.98	24.17
		2.0	2.9	0.8	79.3	97.3	162.9	150.3	17.05	29.67
		3.0	7.1	2.1	81.7	104.2	172.5	166.2	18.75	34.51
700	1 Row 0.19	0.5	0.1	0.1	71.4	78.7	130.5	108.3	12.38	17.93
	2 Row 0.36	1.0	1.4	0.4	75.4	87.8	149.2	130.5	15.41	24.77
		2.0	2.9	0.8	78.3	95.5	162.4	149.4	17.64	30.62
		3.0	7.1	2.1	80.7	102.4	172.2	165.7	19.44	35.84

Above data is based on entering water temperature of 180° F and entering air temperature of 55° F. See hot water coil selection procedure for correction factors if entering temperatures vary from these.

Model BT-WC Size 12

AIR VOLUME (CFM)	AIR PD (IN. W.G.)	FLOW RATE (GPM)	WATER PD (FT. W.G.) 1 ROW	WATER PD (FT. W.G.) 2 ROW	LAT (°F) 1 ROW	LAT (°F) 2 ROW	LWT (°F) 1 ROW	LWT (°F) 2 ROW	CAPACITY (MBH) 1 ROW	CAPACITY (MBH) 2 ROW
300	1 Row 0.01 / 2 Row 0.03	0.5	0.2	0.0	94.3	109.5	129.0	109.3	12.75	17.67
		1.0	0.7	0.2	101.3	125.3	150.0	135.1	16.01	22.07
		2.0	2.3	0.7	105.8	131.9	163.5	155.0	16.45	24.91
		3.0	4.7	1.4	107.5	135.1	168.7	162.2	17.01	25.80
		5.0	11.7	3.4	109.0	138.1	173.0	169.2	17.48	26.00
400	1 Row 0.02 / 2 Row 0.04	0.5	0.2	0.0	87.0	100.2	124.7	101.8	13.83	19.55
		1.0	0.7	0.2	93.5	114.0	146.7	129.0	16.63	25.50
		2.0	2.3	0.7	97.8	123.7	161.5	150.3	18.47	29.66
		3.0	4.7	1.4	99.4	127.5	167.2	159.1	19.19	31.30
		5.0	11.7	3.4	100.9	130.8	172.1	166.9	19.82	32.75
500	1 Row 0.03 / 2 Row 0.06	0.5	0.2	0.0	81.9	93.7	121.8	96.5	14.55	20.88
		1.0	0.7	0.2	87.9	107.2	144.5	123.7	17.76	27.96
		2.0	2.3	0.7	91.9	117.2	160.1	146.4	19.93	33.60
		3.0	4.7	1.4	93.5	121.3	166.1	156.5	20.79	35.82
		5.0	11.7	3.4	94.9	125.0	171.4	164.9	21.55	37.80
600	1 Row 0.05 / 2 Row 0.09	0.5	0.2	0.0	78.9	88.8	118.0	92.5	15.49	21.87
		1.0	0.7	0.2	84.7	101.8	141.5	119.3	19.26	30.33
		2.0	2.3	0.7	88.8	112.0	158.1	142.0	21.87	36.95
		3.0	4.7	1.4	90.4	116.3	164.7	153.5	22.92	39.73
		5.0	11.7	3.4	91.8	120.3	170.5	163.1	23.85	42.26
700	1 Row 0.06 / 2 Row 0.12	0.5	0.2	0.0	76.5	85.0	114.9	89.4	16.27	22.65
		1.0	0.7	0.2	82.2	97.5	138.9	115.8	20.55	35.12
		2.0	2.3	0.7	86.2	107.7	156.4	140.2	23.59	39.84
		3.0	4.7	1.4	87.8	112.1	163.5	151.2	24.86	43.18
		5.0	11.8	3.4	89.3	116.2	169.6	161.5	25.93	46.26
800	1 Row 0.08 / 2 Row 0.15	0.5	0.2	0.0	74.6	81.9	112.3	86.9	16.94	23.27
		1.0	0.7	0.2	80.1	94.0	136.6	113.0	21.68	33.62
		2.0	2.3	0.7	84.1	104.1	154.9	137.6	25.13	42.39
		3.0	4.8	1.4	85.7	108.5	162.3	149.2	26.54	46.26
		5.0	11.8	3.4	87.2	112.7	168.9	160.1	27.82	49.87
900	1 Row 0.10 / 2 Row 0.18	0.5	0.2	0.0	73.0	79.5	110.0	84.9	17.51	23.78
		1.0	0.7	0.2	78.3	90.9	134.6	110.2	22.68	34.91
		2.0	2.3	0.7	82.3	100.9	153.5	135.4	26.52	44.64
		3.0	4.8	1.4	83.9	105.4	161.3	147.3	28.12	49.03
		5.0	11.8	3.4	85.4	109.7	168.2	158.7	29.57	53.18
1000	1 Row 0.12 / 2 Row 0.22	0.5	0.2	0.0	71.7	77.4	108.0	83.2	18.01	24.20
		1.0	0.7	0.2	76.9	88.2	132.8	107.9	23.55	36.03
		2.0	2.3	0.7	80.7	98.2	152.2	133.3	27.79	46.66
		3.0	4.8	1.4	82.4	102.7	160.2	145.4	29.56	51.55
		5.0	11.8	3.4	83.9	107.0	167.5	157.5	31.18	56.21
1100	1 Row 0.14 / 2 Row 0.26	0.5	0.2	0.0	70.5	75.7	106.2	81.7	18.45	24.57
		1.0	0.7	0.2	75.5	86.2	131.2	106.0	24.40	37.01
		2.0	2.3	0.7	79.4	95.8	151.0	131.5	28.96	48.48
		3.0	4.8	1.5	81.0	100.4	159.4	144.1	30.90	53.85
		5.0	11.8	3.5	82.5	104.7	166.9	156.4	32.68	59.01
1200	1 Row 0.16 / 2 Row 0.31	0.5	0.2	0.0	69.5	74.2	104.6	80.5	18.84	24.88
		1.0	0.7	0.2	74.4	84.7	130.0	104.6	25.14	37.88
		2.0	2.3	0.7	78.2	93.7	150.0	129.7	30.05	50.14
		3.0	4.8	1.4	79.8	98.2	158.6	142.9	32.12	55.96
		5.0	11.8	3.5	81.3	102.5	166.4	155.4	34.08	61.62
1300	1 Row 0.19 / 2 Row 0.35	0.5	0.2	0.0	68.7	72.9	103.2	79.4	19.20	25.15
		1.0	0.7	0.2	73.4	82.5	128.3	102.7	25.06	38.66
		2.0	2.3	0.7	77.1	91.8	149.0	128.3	31.06	51.66
		3.0	4.8	1.4	78.7	96.6	157.8	141.4	33.31	57.91
		5.0	11.8	3.5	80.2	100.6	165.8	154.4	35.41	64.05
1400	1 Row 0.21 / 2 Row 0.40	0.5	0.2	0.0	67.9	71.8	101.9	78.4	19.52	25.39
		1.0	0.7	0.2	72.5	81.0	127.1	101.3	26.45	39.36
		2.0	2.3	0.7	76.2	90.1	148.0	127.0	32.00	53.05
		3.0	4.8	1.4	77.8	94.5	157.1	140.2	34.41	59.73
		5.0	11.8	3.5	79.2	98.9	165.3	153.5	36.65	66.33

Above data is based on entering water temperature of 180° F and entering air temperature of 55° F. See hot water coil selection procedure for correction factors if entering temperatures vary from these.

Model BT-WC Size 14

AIR VOLUME (CFM)	AIR PD (IN. W.G.)	FLOW RATE (GPM)	WATER PD (FT. W.G.) 1 ROW	WATER PD (FT. W.G.) 2 ROW	LAT (°F) 1 ROW	LAT (°F) 2 ROW	LWT (°F) 1 ROW	LWT (°F) 2 ROW	CAPACITY (MBH) 1 ROW	CAPACITY (MBH) 2 ROW
325	1 Row 0.01 / 2 Row 0.02	0.5	0.2	0.1	95.9	110.1	122.5	102.7	14.37	19.33
		1.0	0.8	0.2	103.8	126.5	145.7	131.0	17.13	24.48
		2.0	2.7	0.8	108.0	134.1	161.0	152.2	18.88	26.77
		3.0	5.4	1.6	110.7	137.6	167.9	160.7	19.55	29.05
		5.0	13.5	3.9	112.3	140.6	171.9	168.0	20.13	30.05
450	1 Row 0.02 / 2 Row 0.04	0.5	0.2	0.1	87.6	99.3	117.5	93.9	15.70	21.52
		1.0	0.8	0.2	94.6	114.2	141.5	122.5	19.23	28.76
		2.0	2.7	0.8	99.4	124.8	158.0	146.2	21.57	33.85
		3.0	5.5	1.6	101.9	128.8	165.0	156.1	22.48	36.60
		5.0	13.5	3.9	102.9	132.4	170.7	165.0	23.28	37.60
575	1 Row 0.03 / 2 Row 0.06	0.5	0.2	0.1	81.8	92.0	113.4	88.1	16.65	22.97
		1.0	0.8	0.2	88.5	106.5	138.4	116.1	20.79	31.95
		2.0	2.7	0.8	93.0	117.4	156.4	141.2	23.62	38.77
		3.0	5.5	1.6	94.9	121.2	162.3	152.3	24.75	41.56
		5.0	13.6	4.0	96.5	125.9	169.7	162.4	25.74	44.04
700	1 Row 0.04 / 2 Row 0.08	0.5	0.2	0.1	78.5	86.7	109.9	84.0	17.54	24.00
		1.0	0.8	0.2	84.5	102.6	134.1	111.1	22.90	34.45
		2.0	2.7	0.8	88.9	111.7	154.3	137.1	25.66	42.86
		3.0	5.5	1.6	90.7	116.1	162.0	149.0	27.02	46.43
		5.0	13.6	3.9	92.3	120.7	168.7	160.1	28.22	49.67
825	1 Row 0.06 / 2 Row 0.11	0.5	0.2	0.1	75.7	82.8	106.4	80.9	18.41	24.77
		1.0	0.8	0.2	81.8	95.9	132.3	107.1	23.84	36.45
		2.0	2.7	0.8	86.0	107.0	152.5	133.7	27.79	46.34
		3.0	5.5	1.6	88.0	111.9	160.4	146.2	29.40	50.67
		5.0	13.6	4.0	89.6	116.4	167.7	158.1	30.85	54.66
950	1 Row 0.07 / 2 Row 0.14	0.5	0.2	0.1	73.7	79.7	103.4	78.5	19.14	25.37
		1.0	0.8	0.2	79.5	91.7	129.7	103.8	25.17	38.11
		2.0	2.7	0.8	83.9	103.1	150.3	130.6	29.67	49.36
		3.0	5.5	1.6	85.7	106.7	158.5	143.5	31.54	54.41
		5.0	13.6	4.0	87.4	112.6	166.7	156.3	33.24	59.14
1075	1 Row 0.09 / 2 Row 0.18	0.5	0.2	0.1	72.0	77.3	101.0	76.6	19.75	25.84
		1.0	0.8	0.2	78.0	89.0	127.6	100.0	26.34	39.49
		2.0	2.7	0.8	82.0	99.8	148.6	128.0	31.37	51.99
		3.0	5.5	1.6	83.8	104.7	157.0	141.5	33.47	57.74
		5.0	13.6	4.0	85.5	109.4	165.8	154.7	35.39	63.20
1200	1 Row 0.11 / 2 Row 0.21	0.5	0.2	0.1	70.1	75.2	98.9	75.1	20.28	26.23
		1.0	0.8	0.2	76.1	86.4	125.9	98.6	27.38	40.68
		2.0	2.7	0.8	80.4	96.9	147.1	125.7	32.90	54.33
		3.0	5.5	1.7	81.9	101.6	156.5	139.2	35.25	60.74
		5.0	13.6	4.0	83.9	106.6	165.0	153.2	37.40	66.91
1325	1 Row 0.13 / 2 Row 0.25	0.5	0.2	0.1	69.5	73.6	97.0	73.8	20.75	26.56
		1.0	0.8	0.2	74.8	84.4	124.7	96.6	28.32	41.70
		2.0	2.7	0.8	79.0	94.3	145.5	123.6	34.31	56.42
		3.0	5.5	1.7	80.8	99.3	155.4	137.7	36.85	63.46
		5.0	13.6	4.0	82.4	104.1	164.3	151.9	39.25	70.32
1450	1 Row 0.16 / 2 Row 0.30	0.5	0.2	0.1	68.5	72.1	95.4	72.7	21.15	26.83
		1.0	0.8	0.2	73.9	82.2	121.7	94.8	29.16	42.60
		2.0	2.7	0.8	77.7	92.1	144.4	121.6	35.40	58.30
		3.0	5.5	1.7	79.5	96.9	153.6	136.0	38.40	65.95
		5.0	13.6	4.0	81.2	101.9	163.6	150.6	40.99	73.47
1575	1 Row 0.18 / 2 Row 0.35	0.5	0.2	0.1	67.6	70.9	93.9	71.7	21.51	27.07
		1.0	0.8	0.2	72.6	80.9	120.3	93.2	29.92	43.39
		2.0	2.7	0.8	76.6	90.3	143.2	120.4	36.80	60.00
		3.0	5.5	1.7	78.4	94.9	153.5	134.6	39.81	68.23
		5.0	13.7	4.0	80.1	99.9	163.0	149.4	42.61	76.40
1700	1 Row 0.21 / 2 Row 0.40	0.5	0.2	0.1	66.9	69.9	92.6	70.9	21.84	27.27
		1.0	0.8	0.2	71.7	79.0	118.7	91.8	30.63	44.09
		2.0	2.7	0.8	75.6	88.5	142.2	118.4	37.91	61.56
		3.0	5.5	1.7	77.4	93.3	152.6	133.1	41.13	70.33
		5.0	13.7	4.0	79.0	98.3	162.3	148.4	44.14	79.12

Above data is based on entering water temperature of 180° F and entering air temperature of 55° F. See hot water coil selection procedure for correction factors if entering temperatures vary from these.

Model BT-WC Size 18

Above data is based on entering water temperature of 180° F and entering air temperature of 55° F. See hot water coil selection procedure for correction factors if entering temperatures vary from these.

AIR VOLUME (CFM)	AIR PD (IN. W.G.)	FLOW RATE (GPM)	WATER PD (FT. W.G.) 1 ROW	WATER PD (FT. W.G.) 2 ROW	LAT (°F) 1 ROW	LAT (°F) 2 ROW	LWT (°F) 1 ROW	LWT (°F) 2 ROW	CAPACITY (MBH) 1 ROW	CAPACITY (MBH) 2 ROW
575	1 Row 0.02 / 2 Row 0.04	0.5	0.3	0.1	83.9	93.7	108.2	84.0	17.95	24.00
		1.0	0.9	0.3	91.5	109.3	134.7	126.2	22.66	33.69
		2.0	3.0	0.9	96.7	120.9	154.9	139.1	25.89	40.92
		3.0	6.2	1.8	98.7	125.6	161.9	146.1	27.16	43.83
		5.0	15.4	4.5	100.5	129.7	168.7	158.1	28.27	46.39
750	1 Row 0.04 / 2 Row 0.07	0.5	0.3	0.1	78.2	86.3	104.0	78.5	18.96	25.37
		1.0	0.9	0.3	85.2	101.0	131.0	105.5	24.49	37.26
		2.0	3.1	0.9	90.1	113.0	151.6	131.0	28.41	46.95
		3.0	6.2	1.9	92.0	118.0	160.0	146.1	29.98	51.06
		5.0	15.4	4.5	93.7	122.6	167.4	158.1	31.38	54.75
925	1 Row 0.05 / 2 Row 0.10	0.5	0.3	0.1	75.1	81.3	99.6	74.9	20.11	26.28
		1.0	0.9	0.3	81.6	94.9	126.8	102.0	26.62	39.50
		2.0	3.1	0.9	86.5	106.8	148.6	128.2	31.43	57.00
		3.0	6.2	1.9	88.4	111.9	156.7	142.0	33.18	61.00
		5.0	15.4	4.5	90.2	117.0	165.9	155.2	35.18	61.90
1100	1 Row 0.07 / 2 Row 0.14	0.5	0.3	0.1	72.7	77.7	96.0	72.3	21.01	26.93
		1.0	0.9	0.3	78.7	90.3	123.2	96.1	28.39	41.95
		2.0	3.1	0.9	83.6	102.0	146.0	124.2	34.02	55.81
		3.0	6.3	1.9	85.6	107.3	155.7	138.6	36.38	62.16
		5.0	15.4	4.5	87.4	112.4	164.6	152.7	38.52	68.14
1275	1 Row 0.09 / 2 Row 0.18	0.5	0.3	0.1	70.8	74.9	93.0	70.3	21.74	27.42
		1.0	0.9	0.3	76.7	86.7	120.7	92.8	29.89	43.56
		2.0	3.1	0.9	81.4	98.0	143.7	120.8	36.30	59.20
		3.0	6.3	1.9	83.3	103.4	154.0	135.5	39.02	66.58
		5.0	15.5	4.5	85.2	108.5	163.4	150.5	41.52	73.66
1450	1 Row 0.12 / 2 Row 0.22	0.5	0.3	0.1	69.3	71.0	90.6	68.8	22.34	27.79
		1.0	0.9	0.3	74.9	83.7	117.7	90.2	31.18	44.92
		2.0	3.1	0.9	79.5	91.8	141.7	117.9	38.31	59.20
		3.0	6.3	1.9	81.4	97.1	152.4	133.0	41.39	70.46
		5.0	15.5	4.5	83.2	102.3	162.3	148.6	44.24	78.59
1625	1 Row 0.14 / 2 Row 0.27	0.5	0.3	0.1	68.0	71.0	88.6	67.9	22.85	28.09
		1.0	0.9	0.3	73.4	81.2	115.8	87.9	32.85	46.04
		2.0	3.1	0.9	77.9	91.8	139.9	115.3	40.65	64.65
		3.0	6.3	1.9	79.8	97.1	150.7	130.7	43.55	73.05
		5.0	15.5	4.6	81.6	102.3	161.3	146.8	46.73	83.05
1800	1 Row 0.17 / 2 Row 0.33	0.5	0.3	0.1	67.0	70.0	86.9	67.0	23.28	28.33
		1.0	0.9	0.3	72.1	80.1	113.9	86.7	33.77	46.98
		2.0	3.1	0.9	76.5	90.3	138.7	113.1	41.77	66.89
		3.0	6.3	1.9	78.4	95.3	149.7	128.1	45.36	76.89
		5.0	15.5	4.6	80.2	100.2	160.4	145.2	49.02	87.11
1975	1 Row 0.20 / 2 Row 0.38	0.5	0.3	0.1	66.1	68.4	85.4	65.9	23.66	28.53
		1.0	0.9	0.3	71.0	78.3	111.6	84.4	34.21	47.79
		2.0	3.1	0.9	75.3	87.3	136.7	111.1	43.26	68.87
		3.0	6.3	1.9	77.2	92.4	148.5	126.8	47.32	79.77
		5.0	15.5	4.6	79.0	97.6	159.5	143.7	51.15	90.83
2150	1 Row 0.23 / 2 Row 0.45	0.5	0.3	0.1	65.3	67.4	84.0	65.2	23.99	28.70
		1.0	0.9	0.3	70.1	75.9	110.0	83.0	35.02	48.50
		2.0	3.1	0.9	74.2	85.4	135.4	109.4	44.64	70.65
		3.0	6.3	1.9	76.1	90.0	147.3	125.1	49.00	82.30
		5.0	15.6	4.6	77.9	95.6	158.7	142.3	53.13	94.26
2325	1 Row 0.27 / 2 Row 0.51	0.5	0.3	0.1	64.7	66.5	82.9	64.6	24.29	28.85
		1.0	0.9	0.3	69.2	74.8	108.5	81.8	35.75	49.12
		2.0	3.1	0.9	73.1	83.8	134.1	107.9	45.91	72.25
		3.0	6.3	1.9	75.1	88.7	146.3	123.6	50.55	84.61
		5.0	15.6	4.6	76.9	93.8	158.0	141.0	54.99	100.38
2500	1 Row 0.31 / 2 Row 0.58	0.5	0.3	0.1	64.1	65.7	81.8	64.1	24.55	28.97
		1.0	0.9	0.3	68.5	73.4	107.2	80.7	36.42	49.67
		2.0	3.1	0.9	72.4	82.3	132.6	106.3	47.08	73.70
		3.0	6.3	1.9	74.3	87.1	145.3	122.3	52.01	86.73
		5.0	15.6	4.6	76.0	92.2	157.3	139.8	56.73	100.38

Model BT-WC Size 16

Above data is based on entering water temperature of 180° F and entering air temperature of 55° F. See hot water coil selection procedure for correction factors if entering temperatures vary from these.

AIR VOLUME (CFM)	AIR PD (IN. W.G.)	FLOW RATE (GPM)	WATER PD (FT. W.G.) 1 ROW	WATER PD (FT. W.G.) 2 ROW	LAT (°F) 1 ROW	LAT (°F) 2 ROW	LWT (°F) 1 ROW	LWT (°F) 2 ROW	CAPACITY (MBH) 1 ROW	CAPACITY (MBH) 2 ROW
450	1 Row 0.02 / 2 Row 0.04	0.5	0.2	0.0	87.3	99.3	117.2	93.9	15.70	21.52
		1.0	0.8	0.2	94.6	114.2	141.5	125.5	19.23	28.76
		2.0	2.7	0.8	99.4	124.6	158.4	146.2	21.57	33.85
		3.0	5.5	1.6	101.3	128.5	165.0	154.2	22.48	35.85
		5.0	13.5	3.9	102.9	132.4	170.7	165.0	23.28	37.60
600	1 Row 0.03 / 2 Row 0.06	0.5	0.2	0.0	80.8	90.8	113.2	87.2	16.69	23.20
		1.0	0.7	0.2	87.7	105.2	138.2	115.0	20.88	32.50
		2.0	2.6	0.8	91.7	116.2	156.2	140.4	23.75	39.64
		3.0	5.5	1.6	93.4	120.7	163.4	151.6	24.89	42.59
		5.0	13.6	4.0	95.0	124.8	169.6	161.9	25.90	45.23
750	1 Row 0.05 / 2 Row 0.09	0.5	0.2	0.0	77.1	85.0	108.4	82.7	17.91	24.33
		1.0	0.7	0.2	83.3	98.7	134.1	109.4	22.95	35.30
		2.0	2.7	0.8	87.8	109.1	153.5	135.7	26.55	44.32
		3.0	5.5	1.6	89.6	114.5	161.3	147.9	28.00	48.20
		5.0	13.6	4.0	91.2	118.9	168.3	159.3	29.31	51.74
900	1 Row 0.07 / 2 Row 0.13	0.5	0.2	0.0	74.4	79.4	104.6	79.4	18.86	25.14
		1.0	0.7	0.2	80.4	93.6	130.6	105.2	24.66	37.48
		2.0	2.7	0.8	84.8	104.6	151.1	131.8	28.71	48.20
		3.0	5.5	1.6	86.6	109.8	159.0	144.9	30.71	52.97
		5.0	13.6	4.0	88.2	114.1	167.1	157.0	32.30	57.41
1050	1 Row 0.09 / 2 Row 0.17	0.5	0.2	0.0	72.3	77.7	101.4	77.0	19.64	25.76
		1.0	0.7	0.2	78.0	89.6	127.8	101.5	26.14	39.23
		2.0	2.7	0.8	82.4	100.4	149.0	128.5	31.04	51.49
		3.0	5.5	1.6	84.2	105.4	157.9	141.9	33.10	57.10
		5.0	13.6	4.0	85.8	110.0	166.0	155.0	34.97	62.42
1200	1 Row 0.11 / 2 Row 0.21	0.5	0.2	0.0	70.7	75.2	98.9	73.5	20.28	26.23
		1.0	0.7	0.2	76.1	86.4	125.2	96.5	27.38	40.68
		2.0	2.7	0.8	80.4	96.9	147.1	125.7	32.92	54.33
		3.0	5.5	1.6	82.2	101.9	156.5	139.5	35.25	60.74
		5.0	13.6	4.0	83.9	106.6	165.0	153.2	37.40	66.91
1350	1 Row 0.14 / 2 Row 0.26	0.5	0.2	0.0	69.3	73.3	96.7	73.5	20.83	26.61
		1.0	0.7	0.2	74.5	83.7	123.0	93.2	28.49	41.89
		2.0	2.7	0.8	78.5	94.0	145.4	123.2	34.57	56.81
		3.0	5.5	1.6	80.5	98.7	155.2	137.1	37.19	63.98
		5.0	13.6	4.0	82.2	103.7	164.2	151.6	39.61	70.97
1500	1 Row 0.17 / 2 Row 0.32	0.5	0.2	0.0	68.1	71.6	94.8	72.3	21.30	26.93
		1.0	0.7	0.2	73.2	81.5	121.1	94.1	29.47	42.93
		2.0	2.7	0.8	77.1	91.4	143.9	121.0	36.09	59.00
		3.0	5.5	1.7	78.9	96.3	154.0	135.4	38.90	66.88
		5.0	13.7	4.0	80.7	101.1	163.3	150.1	41.65	74.67
1650	1 Row 0.20 / 2 Row 0.38	0.5	0.2	0.0	67.2	70.3	93.1	71.2	21.71	27.19
		1.0	0.7	0.2	72.0	79.6	119.1	91.9	30.35	43.82
		2.0	2.7	0.8	76.0	89.2	142.5	119.7	37.47	60.95
		3.0	5.5	1.7	77.9	94.0	152.9	133.7	40.54	69.51
		5.0	13.7	4.0	79.4	98.8	162.6	148.8	43.54	78.06
1800	1 Row 0.23 / 2 Row 0.44	0.5	0.2	0.0	66.4	69.1	91.7	70.3	22.08	27.41
		1.0	0.7	0.2	71.0	77.9	117.7	90.8	31.15	44.60
		2.0	2.7	0.8	74.9	87.3	141.3	117.3	38.75	62.70
		3.0	5.7	1.7	76.7	92.0	151.9	131.2	42.10	71.90
		5.0	13.7	4.0	78.3	96.8	161.9	147.5	45.30	81.18
1950	1 Row 0.27 / 2 Row 0.50	0.5	0.2	0.0	65.6	68.1	90.4	69.6	22.40	27.61
		1.0	0.7	0.2	70.1	76.5	116.3	89.5	31.87	45.29
		2.0	2.7	0.8	74.0	85.5	140.1	115.7	39.92	64.29
		3.0	5.5	1.7	75.7	90.2	151.0	130.6	43.56	74.09
		5.0	13.7	4.0	77.3	94.9	161.2	146.4	46.95	84.08
2100	1 Row 0.30 / 2 Row 0.58	0.5	0.2	0.0	65.0	67.2	89.3	68.9	22.69	27.77
		1.0	0.7	0.2	69.3	75.2	114.9	88.2	32.53	45.91
		2.0	2.7	0.8	73.1	84.0	139.0	114.3	41.01	65.74
		3.0	5.5	1.7	74.8	88.6	150.1	129.3	44.85	76.11
		5.0	13.7	4.0	76.4	93.3	160.6	145.3	48.50	86.77