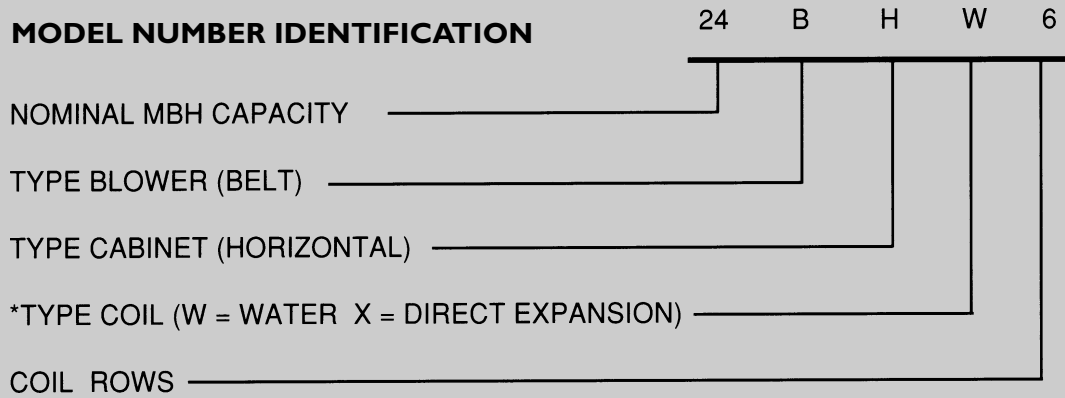


BHW 3.7

1. Coils are constructed of copper tube-aluminum fin material.
2. Blower wheels are belt drive DWDI forward curved and factory balanced.
3. Permanently lubricated ball bearing blowers.
4. Standard ETL Approved motors have overload protection. Controls (i.e. contactor, starter, or transformer/fan relay) not included in standard product.
5. All motor sheaves are variable pitch single groove.
6. Blower pulleys are tapered hub type.
7. Cabinets are fully insulated with 3/4" – 1.5# fiberglass insulation.
8. Standard filters are 2" throwaway with access on both sides of cabinet.
9. Chilled water (optional hot water or steam) coil electrical and drain stubouts are standard right hand looking at filters. Optional left hand connections available (see price sheets for additional charge).
10. Cabinets are fabricated of heavy gauge galvanealed steel, specially coated inside and out with Magic Aire® beige baked powder enamel coating before assembly.
11. Stocked Optional Accessories:
 - 1 Row Hot Water Heating Coil (24-60 only)
 - 2 Row Hot Water Heating Coil
 - MB Series Mixing Boxes
 - Four Way Deflection Discharge Grille Plenum
 - Return Air Grille
 - Spring Isolators
 - Mixing Box Controls
 - 2" Pleated Filters
12. Non-Stock Options:
 - Stainless Steel Drain Pan
 - Special Insulation
 - Steam Coils
 - Bottom access

Product Description

MODEL NUMBER IDENTIFICATION

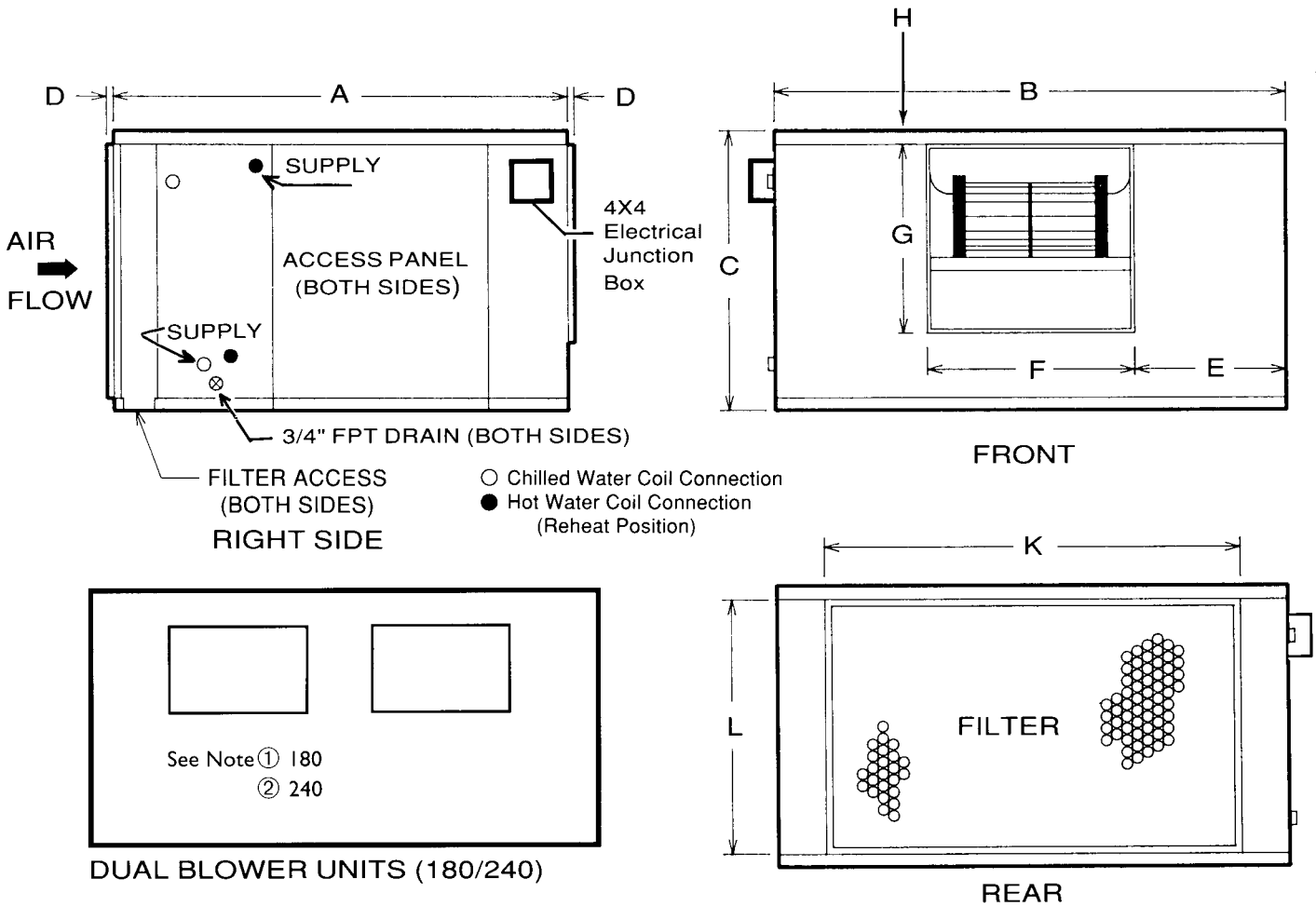


Specifications

MODEL	NOM. TONS	WATER COIL CONNECTION SIZE						FILTER
		4 ROW	SHIP WT	6 ROW	SHIP WT	2 ROW	SHIP WT**	
24 BH	2	3/4" OD SWT	145	3/4" OD SWT	156	5/8" OD SWT	13	16 X 25
36 BH	3	3/4" OD SWT	171	7/8" OD SWT	190	7/8" OD SWT	18	1-16 X 32
48 BH	4	7/8" OD SWT	200	1 1/8" OD SWT	227	7/8" OD SWT	25	2-16 X 20
60 BH	5	1 1/8" OD SWT	244	1 1/8" OD SWT	263	1 1/8" OD SWT	30	2-20 X 20
90 BH	7.5	1 1/8" OD SWT	457	1 3/8" OD SWT	475	1 1/8" OD SWT	41	2-16 X 25 1-20 X 25
120 BH	10	1 3/8" OD SWT	512	1 5/8" OD SWT	547	1 1/8" OD SWT	53	3-16 X 32
180 BH	15	1 3/8" OD SWT	700	1 5/8" OD SWT	787	1 3/8" OD SWT	86	2-20 X 25 4-20 X 20
240 BH	20	2-1 5/8" OD SWT	775	2-1 5/8" OD SWT	855	2-1 1/8" OD SWT	106	2-16 X 20 2-16 X 25 2-20 X 20 2-20 X 25

**Coil only.

Specifications subject to change without notice due to continuing effort to improve our product.



UNIT CABINET DIMENSIONS

◄ Denotes Changes

MODEL	UNIT						BLOWER OPENING OUTLET		RETURN DUCT CONN.	
	A	B	C	D	E ◄	H ◄	F ◄	G ◄	K	L
24 BH	37.00	27.00	18.00	1	9.13	1.00	8.75	10.88	18.00	16.00
36 BH	37.00	36.50	18.00	1	12.09	1.00	12.31	10.88	27.50	16.00
48 BH	42.00	38.00	22.00	1	14.25	1.00	9.50	14.00	29.00	20.00
60 BH	42.00	45.00	22.00	1	16.00	1.00	13.00	14.00	36.00	20.00
90 BH	52.50	54.00	27.00	1	20.38	1.00	13.25	16.75	45.00	25.00
120 BH	52.50	57.00	34.00	1	21.88	8.50	13.25	16.75	48.00	32.00
180 BH	57.50	67.13	42.00	1	①	7.00	16.07	15.88	57.75	40.25
240 BH	57.50	72.00	47.00	1	②	11.88	16.07	15.88	66.00	45.00

① Blower opening 7" down from top of unit. Looking at discharge 14 3/8 left side, 11 3/8 center and 8 3/8 right side.

② Blower opening 11 7/8 down from top of unit. Looking at discharge 14 3/16 left side, 11 3/8 center and 13 5/16 right side.

FAN PERFORMANCE

Calculated fan data.

➡ Denotes Changes

MODEL	INTER S.P.	CFM	.25" ESP		.50" ESP		.75" ESP		1.00" ESP		1.25" ESP		1.50" ESP	
			RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
90 BHW-6 ➡	.31	2250	572	.43	665	.56	753	.72	828	.84	905	.99	975	1.14
	.39	2625	629	.63	706	.76	792	.93	863	1.07	933	1.25	997	1.41
	.49	3000	674	.83	759	1.02	830	1.18	902	1.37	967	1.55	1031	1.73
	.60	3375	730	1.13	806	1.33	882	1.53	946	1.74	1007	1.94	1064	2.13
	.72	3750	795	1.50	863	1.73	931	1.94	987	2.14	1049	2.38	1107	2.62
120 BHW-6 ➡	.31	3000	638	.70	720	.92	801	1.07	878	1.27	957	1.44	1018	1.62
	.40	3500	709	1.03	783	1.25	851	1.42	921	1.64	981	1.80	1053	2.05
	.50	4000	786	1.53	852	1.76	915	1.96	972	2.17	1035	2.38	1092	2.64
	.61	4500	857	2.09	916	2.34	975	2.65	1033	2.85	1093	3.10	1146	3.37
	.73	5000	925	2.87	979	3.13	1038	3.41	1100	3.77	1145	4.02	1201	4.35
180 BHW-6	.43	5000	550	1.00	643	1.24	721	1.50	800	1.78	875	2.06	945	2.40
	.51	5500	585	1.20	667	1.50	742	1.80	814	2.01	885	2.42	950	2.76
	.60	6000	618	1.46	700	1.78	766	2.10	835	2.40	900	2.70	965	3.05
	.69	6500	650	1.79	727	2.12	794	2.41	855	2.84	920	3.04	982	3.49
	.79	7000	688	2.10	754	2.46	817	2.78	880	3.14	940	3.57	1000	4.00
240 BHW-6	.40	7000	571	1.62	647	1.98	718	2.32	782	2.60	845	2.92	907	3.32
	.45	7500	597	1.92	669	2.26	735	2.58	798	2.92	857	3.32	917	3.74
	.51	8000	622	2.24	694	2.58	756	2.92	816	3.32	875	3.74	933	4.24
	.57	8500	650	2.58	717	2.94	776	3.34	834	3.76	891	4.24	948	4.86
	.62	9000	676	2.96	737	3.34	795	3.74	851	4.20	907	4.84	964	5.48
24 BHW-6 w/24 HH-2 ➡	.29	600	857	.12	1044	.19	1220	.25	1374	.33	1514	.38	1644	.44
	.37	700	922	.18	1085	.23	1242	.30	1380	.35	1534	.44	1668	.53
	.46	800	988	.21	1142	.27	1279	.35	1409	.42	1533	.48	1662	.56
	.57	900	1046	.27	1198	.34	1332	.42	1455	.48	1568	.55	1684	.64
	.68	1000	1127	.34	1267	.42	1393	.50	1507	.58	1616	.64	1717	.73
36 BHW-6 w/36 HH-2 ➡	.32	900	878	.20	1143	.33	1304	.41	1440	.50	1553	.59	1674	.72
	.40	1050	957	.26	1128	.34	1319	.46	1494	.60	1615	.72	1714	.84
	.50	1200	1036	.33	1183	.43	1315	.50	1480	.66	1652	.81	1774	.96
	.60	1350	1112	.42	1251	.52	1377	.61	1509	.74	1661	.95	1773	1.09
	.75	1500	1197	.55	1334	.66	1438	.75	1561	.87	1669	.98	1838	1.16
48 BHW-6 w/48 HH-2 ➡	.41	1200	742	.28	851	.36	958	.45	1052	.54	1140	.63	1220	.72
	.51	1400	815	.40	915	.47	1002	.56	1106	.68	1191	.77	1262	.89
	.64	1600	896	.53	981	.61	1068	.73	1149	.83	1238	.96	1312	1.08
	.79	1800	969	.69	1058	.80	1138	.92	1210	1.04	1280	1.15	1362	1.32
	.95	2000	1044	.93	1119	1.05	1198	1.17	1265	1.31	1329	1.43	1391	1.57
60 BHW-6 w/60 HH-2 ➡	.36	1500	695	.31	811	.41	922	.53	1018	.63	1118	.76	1218	.91
	.46	1750	756	.43	861	.55	962	.66	1044	.76	1136	.91	1216	1.04
	.59	2000	794	.57	916	.71	1005	.83	1090	.97	1171	1.09	1243	1.25
	.71	2250	885	.77	973	.90	1059	1.04	1135	1.18	1217	1.33	1288	1.49
	.85	2500	952	1.00	1038	1.15	1112	1.29	1189	1.45	1264	1.63	1329	1.83
90 BHW-6 w/90 HH-2 ➡	.37	2250	579	.45	675	.59	760	.72	839	.87	909	1.00	979	1.16
	.47	2625	637	.65	725	.80	801	.94	872	1.11	940	1.26	1008	1.44
	.59	3000	697	.90	769	1.05	847	1.24	916	1.41	981	1.61	1039	1.76
	.72	3375	756	1.22	829	1.39	897	1.60	959	1.76	1020	1.98	1077	2.17
	.86	3750	818	1.60	887	1.80	949	2.02	1008	2.22	1066	2.43	1122	2.67
120 BHW-6 w/120 HH-2 ➡	.37	3000	670	.81	750	.98	834	1.17	905	1.34	985	1.56	1055	1.78
	.48	3500	740	1.19	816	1.39	893	1.62	958	1.82	1023	2.01	1090	2.24
	.59	4000	811	1.66	884	1.90	952	2.15	1012	2.36	1080	2.64	1132	2.86
	.72	4500	890	2.28	952	2.53	1017	2.80	1079	3.08	1134	3.35	1189	3.62
	.85	5000	969	2.96	1027	3.23	1086	3.53	1143	3.81	1198	4.11	1252	4.45
180 BHW-6 w/180 HH-2	.52	5000	585	1.08	673	1.34	748	1.60	825	1.84	900	2.16	965	2.52
	.62	5500	622	1.32	700	1.60	774	1.91	845	2.24	917	2.58	978	2.90
	.73	6000	659	1.63	733	1.94	800	2.24	872	2.57	935	2.87	1000	3.27
	.84	6500	700	2.00	766	2.29	828	2.60	894	2.90	957	3.31	1015	3.76
	.96	7000	733	2.36	800	2.67	860	3.00	921	3.43	980	3.86	1034	4.30
240 BHW-6 w/240 HH-2	.50	7000	603	1.76	679	2.10	744	2.42	808	2.74	870	3.06	931	3.50
	.56	7500	629	2.08	700	2.40	763	2.74	824	3.06	883	3.50	943	3.92
	.64	8000	663	2.48	727	2.88	788	3.12	847	3.54	905	3.96	963	4.50
	.71	8500	688	2.78	750	3.16	810	3.56	866	3.96	923	4.56	880	5.18
	.78	9000	716	3.24	775	3.52	833	4.00	887	4.66	944	5.26	1000	5.90

CHILLED WATER COOLING CAPACITIES

90-BHW-4 (4 ROW COIL)

Ent Wtr	GPM	PD FT.	CFM	85 degF DB/71 deg.F WB					80 deg.F DB/67 degF WB					75 degF DB/63 deg.F WB					
				TTL	SENS	LVG AIR		Deg	TTL	SENS	LVG AIR		Deg	TTL	SENS	LVG AIR		Deg	
				MBH	MBH	DB	WB	F	MBH	MBH	DB	WB	F	MBH	MBH	DB	WB	F	
42	8.0	1.40	2250	76.0	54.5	62.6	61.3	61.0	64.0	50.5	59.3	58.0	58.2	54.0	45.5	56.3	54.8	55.6	
			3000	83.0	65.0	65.0	63.1	63.0	71.0	59.5	61.6	59.7	60.0	60.5	54.0	58.4	56.2	57.2	
			3750	89.0	73.0	66.9	64.4	64.4	77.0	67.0	63.3	60.7	61.3	65.0	60.0	60.2	57.2	58.4	
	17.5	6.40	2250	104.0	65.0	58.2	57.2	53.9	86.0	59.5	55.6	54.5	51.9	70.0	53.0	53.1	52.1	50.1	
			3000	117.0	77.0	61.1	59.6	55.4	98.0	71.0	58.1	56.6	53.3	80.0	63.5	55.4	53.9	51.2	
			3750	127.0	88.0	63.3	61.3	56.5	107.0	81.0	60.0	58.1	54.2	88.0	73.0	57.0	55.0	52.1	
	25.0	12.70	2250	113.0	68.0	56.8	55.8	51.0	94.0	62.0	54.4	53.3	49.5	76.0	55.5	52.1	51.1	48.1	
			3000	129.0	82.0	59.8	58.3	52.3	108.0	74.0	57.0	55.5	50.6	88.0	67.0	54.3	52.9	49.0	
			3750	141.0	93.0	62.0	60.0	53.3	118.0	85.0	58.9	57.0	51.5	97.0	77.0	56.0	54.2	49.8	
	45	8.0	1.40	2250	70.0	52.0	63.5	62.1	62.5	59.0	48.0	60.3	58.9	59.8	49.0	43.0	57.3	55.7	57.3
				3000	77.0	62.0	65.8	63.8	64.4	65.0	56.5	62.5	60.3	61.5	51.0	50.0	59.5	57.3	57.8
				3750	83.0	71.0	67.5	64.8	65.9	71.0	63.5	64.3	61.3	62.9	56.0	55.0	61.4	58.1	59.0
17.5		6.40	2250	94.0	61.5	59.7	58.6	55.8	77.0	55.5	57.1	56.0	53.9	61.5	49.5	54.7	53.6	52.1	
			3000	106.0	73.0	62.3	60.7	57.2	88.0	67.0	59.4	57.8	55.1	71.0	59.5	56.6	55.0	53.1	
			3750	115.0	84.0	64.3	62.2	58.2	96.0	76.0	61.1	59.1	56.0	78.0	68.0	58.1	56.0	54.0	
25.0		12.70	2250	102.0	64.0	58.4	57.4	53.2	84.0	58.0	56.1	55.0	51.7	66.0	51.5	53.8	52.7	50.3	
			3000	117.0	77.0	61.1	59.6	54.4	96.0	70.0	58.4	56.9	52.7	76.0	62.0	55.8	54.3	51.1	
			3750	128.0	89.0	63.1	61.2	55.3	106.0	80.0	60.1	58.2	53.5	85.0	72.0	57.3	55.4	51.8	
48		8.0	1.40	2250	64.0	50.0	64.4	63.0	64.0	53.5	45.5	61.3	59.7	61.4	40.5	40.0	58.6	57.0	58.2
				3000	71.0	59.5	66.6	64.4	65.9	60.5	53.5	63.5	60.9	63.1	46.0	45.5	61.0	57.9	59.6
				3750	77.0	67.0	68.4	65.3	67.3	60.0	59.0	65.4	62.2	63.1	50.5	50.0	62.7	58.6	60.7
	17.5	6.40	2250	85.0	58.0	61.2	60.0	57.7	68.0	52.0	58.6	57.4	55.8	53.5	45.5	56.2	54.9	54.1	
			3000	96.0	69.0	63.5	61.9	59.0	77.0	62.5	60.7	59.0	56.9	62.0	55.5	57.9	56.1	55.1	
			3750	104.0	80.0	65.3	63.2	59.9	85.0	72.0	62.2	60.0	57.8	69.0	63.5	59.3	56.8	56.0	
	25.0	12.60	2250	92.0	60.5	60.1	58.9	55.4	74.0	54.0	57.7	56.6	53.9	56.5	47.0	55.6	54.4	52.6	
			3000	105.0	73.0	62.5	60.9	56.4	84.0	65.0	59.8	58.2	54.8	66.0	57.5	57.2	55.6	53.3	
			3750	115.0	84.0	64.3	62.3	57.2	93.0	75.0	61.4	59.3	55.5	74.0	66.0	58.6	56.4	53.9	

90-BHW-6 (6 ROW COIL)

Ent Wtr	GPM	PD FT.	CFM	85 degF DB/71 deg.F WB					80 deg.F DB/67 degF WB					75 degF DB/63 deg.F WB					
				TTL	SENS	LVG AIR		Deg	TTL	SENS	LVG AIR		Deg	TTL	SENS	LVG AIR		Deg	
				MBH	MBH	DB	WB	F	MBH	MBH	DB	WB	F	MBH	MBH	DB	WB	F	
42	9.0	0.80	2250	90.0	62.0	59.6	59.2	62.1	77.0	57.0	56.6	56.1	59.2	65.0	52.0	53.6	53.0	56.5	
			3000	101.0	74.0	62.1	61.4	64.5	86.0	69.0	58.8	58.0	61.3	73.0	62.5	55.7	54.7	58.4	
			3750	109.0	85.0	63.9	62.8	66.3	94.0	78.0	60.6	59.2	63.0	80.0	71.0	57.4	55.8	59.9	
	26.3	6.40	2250	135.0	79.0	52.4	52.1	52.3	112.0	72.0	50.5	50.2	50.6	91.0	64.0	48.7	48.4	49.0	
			3000	157.0	96.0	55.5	55.0	54.0	131.0	87.0	53.1	52.6	52.0	107.0	78.0	50.9	50.4	50.2	
			3750	174.0	110.0	57.8	57.1	55.3	146.0	101.0	55.1	54.4	53.1	118.0	90.0	52.7	52.0	51.0	
	37.5	12.50	2250	143.0	83.0	50.9	50.6	49.7	119.0	74.0	49.3	49.0	48.4	96.0	66.0	47.8	47.4	47.2	
			3000	169.0	101.0	53.9	53.4	51.1	141.0	91.0	51.8	51.3	49.5	114.0	81.0	49.9	49.3	48.1	
			3750	190.0	116.0	56.3	55.6	52.2	159.0	106.0	53.8	53.1	50.5	129.0	95.0	51.6	50.8	48.9	
	45	9.0	0.80	2250	83.0	59.0	60.7	60.2	63.6	70.0	54.5	57.6	57.1	60.7	58.5	49.0	54.8	54.1	58.1
				3000	94.0	71.0	62.9	62.1	65.9	80.0	66.0	59.7	58.7	62.9	67.0	58.5	56.9	55.4	60.0
				3750	102.0	82.0	64.7	63.3	67.8	87.0	75.0	61.5	59.8	64.5	66.0	65.0	58.9	57.1	59.8
26.3		6.30	2250	123.0	74.0	54.4	54.1	54.4	101.0	67.0	52.5	52.1	52.7	80.0	59.0	50.8	50.4	51.1	
			3000	143.0	90.0	57.1	56.6	55.9	118.0	82.0	54.8	54.3	54.0	93.0	72.0	52.8	52.2	52.1	
			3750	158.0	104.0	59.3	58.5	57.1	131.0	95.0	56.6	55.9	55.0	105.0	84.0	54.2	53.3	53.0	
37.5		12.50	2250	131.0	77.0	53.1	52.8	52.0	106.0	69.0	51.5	51.1	50.7	84.0	61.0	50.0	49.7	49.5	
			3000	154.0	95.0	55.8	55.3	53.3	126.0	85.0	53.7	53.2	51.8	100.0	75.0	51.8	51.3	50.4	
			3750	173.0	110.0	57.9	57.2	54.2	142.0	99.0	55.5	54.8	52.6	112.0	87.0	53.4	52.6	51.0	
48		9.0	0.80	2250	77.0	56.5	61.7	61.2	65.1	64.0	51.5	58.7	58.0	62.4	53.0	46.0	56.1	55.0	59.8
				3000	87.0	69.0	63.8	62.8	67.4	74.0	62.5	60.7	59.4	64.5	54.5	53.5	58.5	56.9	60.1
				3750	95.0	79.0	65.5	63.9	69.2	81.0	70.0	62.6	60.4	66.0	60.0	59.0	60.4	57.7	61.4
	26.3	6.30	2250	111.0	69.0	56.4	56.0	56.5	89.0	62.0	54.5	54.2	54.8	68.0	53.5	52.9	52.5	53.2	
			3000	129.0	85.0	58.8	58.3	57.8	103.0	76.0	56.6	56.0	55.9	81.0	67.0	54.4	53.7	54.2	
			3750	142.0	98.0	60.7	59.9	58.9	115.0	89.0	58.1	57.3	56.8	92.0	78.0	55.7	54.6	55.0	
	37.5	12.40	2250	118.0	72.0	55.3	54.9	54.3	94.0	64.0	53.7	53.3	53.0	71.0	55.0	52.3	51.9	51.8	
			3000	139.0	89.0	57.6	57.1	55.4	111.0	79.0	55.6	55.1	54.0	85.0	69.0	53.8	53.2	52.6	
			3750	155.0	103.0	59.5	58.8	56.3	124.0	92.0	57.3	56.5	54.6	97.0	81.0	55.0	54.1	53.2	