American Standard

Upflow/Horizontal 90% 2-Stage, Variable Speed Gas-Fired Condensing Furnace with Whole House Air Cleaner

FREEDOM 90i

AUX2B060AFV3VA, AUX2B080AFV3VA, AUX2C100AFV4VA, AUX2D120AFV5VA



PUB. NO. 12-1259-03



Features Summary

WHOLE HOUSE AIR CLEANER

The Whole House Air Cleaner uses advanced technology to remove up to 99.98% of allergens from the filtered air and removes particles down to .3 microns in size. Cleaning intervals of 1-3 months are typical, depending on the home environment.

NATURAL GAS MODELS

Central Heating furnace designs are certified by the American Gas Association for both natural and L.P. gas. Limit setting and rating data were established and approved under standard rating conditions using American National Standards Institute standards.

SAFE OPERATION

The Integrated System Control has solid state devices, which continuously monitor for presence of flame, when the system is in the heating mode of operation. Dual solenoid combination gas valve and regulator provide extra safety.

QUICK HEATING

Durable, cycle tested, heavy gauge aluminized steel heat exchanger quickly transfers heat to provide warm conditioned air to the structure. Low energy power vent blower, to increase efficiency and provide a positive discharge of gas fumes to the outside.

BURNERS

Multiport In-shot burners will give years of quiet and efficient service. All models can be converted to LP. gas.

INTEGRATED SYSTEM CONTROL

Exclusively designed operational program provides total control of furnace limit sensors, blowers, gas valve, flame control and includes self diagnostics for ease of service. Also contains connection points for humidifier.

CONDENSATE DRAIN

Built-in trap which can drain from either side when the furnace is installed upflow.

AIR DELIVERY

The variable speed, direct drive blower motor, has sufficient airflow for most heating and cooling requirements, will switch from heating to cooling speeds on demand from room thermostat. The blower door safety switch will prevent or terminate furnace operation when the blower door is removed.

STYLING

Heavy gauge steel and "wrap-around" cabinet construction is used in the cabinet with baked-on enamel finish for strength and beauty. The heat exchanger section of the cabinet is completely lined with foil faced fiberglass insulation. This results in quiet and efficient operation due to the excellent acoustical and insulating qualities of fiberglass. Built-in bottom pan and bottom return air connection.

FEATURES AND GENERAL **OPERATION**

The FREEDOM 90i High Efficiency Gas Furnaces employ a Hot Surface Ignition system, which eliminates the waste of a constant burning pilot. The integrated system control lights the main burners upon a demand for heat from the room thermostat. Complete front service access.

a. Low energy power venter

b. Vent proving pressure switch.



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Features and Benefits

FREEDOM 90i STANDARD EQUIPMENT

- Whole House Air Cleaner
- Upflow/Horizontal
- \bullet Power supply 115/1/60
- 2-stage gas valve
- \bullet Variable speed venter
- Variable speed ECM blower motor
- Silicon Nitride hot surface igniter with adaptive heat up
- Integrated solid state control
- Variable speed induced draft blower
- Fused 24 Volt control circuit
- Manual reset flame roll out switches
- PVC venting 1 or 2 pipe option
- Attractive color accents
- Heavy gauge aluminized steel heat exchanger
- Multi-port In-shot burners
- Complete front service access
- Slide out blower assembly

- Insulated bower door
- Gasketed blower door
- Two tone color
- Integrated solid state control with self-diagnostics
- Direct / Non-direct Vent Capability
- Optional L.P. conversion kit
- Left/right gas connection
- Accessory hook-up capability
- Selectable cooling fan off delay eliminates need for BAY24X045time delay kit
- Enhanced cooling control
- Lifetime limited primary heat exchanger or secondary heat exchanger warranty to original owner (Residential use)
- 5 Year limited parts warranty

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Features and Benefits

FREEDOM 90i OPTIONAL EQUIPMENT

Thermostat, Mechanical 2-Stage Heating/ 1-Stage Cooling	TAYSTAT241 []
Thermostat, Mechanical Heating Only With Fan Switch	BAYSTAT303 []
Thermostat, Mechanical Heating Only	BAYSTAT388 []
Thermostat, Heating/Cooling Single Stage (Mounts Horizontally)	AY28X092 []
Thermostat, Electronic Non-programmable 1-Stage Heating/1-Stage Cooling	BAYSTAT370 []
Thermostat, Electronic Programmable (5-2) 1-Stage Heating/1-Stage Cooling	BAYSTAT340 []
Thermostat, Heating/Cooling Single Stage (Mounts Vertically)	BAYSTAT305 []
Thermostat, Electronic Programmable 2-Stage Heating/2-Stage Cooling	
Thermostat, Electronic Programmable 1-Stage Heating/1-Stage Cooling	
Propane Conversion Kit	BAYLPKT210B []
Coil Enclosure (14-1/2" Wide Cabinets)	BAYCLE14A1422A []
Coil Enclosure (17-1/2" Wide Cabinets)	BAYCLE17A1722A []
Coil Enclosure (21" Wide Cabinets)	BAYCLE21A2130A []
Coil Enclosure (24-1/2" Wide Cabinets)	BAYCLE24A2430A[]
High Altitude Switch	BAYHALT249 []
Masonry Chimney Vent Kit	BAYVENT800B []
Downflow Sub-base	BAYBASE205 []
Concentric Vent Kit	BAYAIR30AVENTA []
Sidewall Vent Termination Kit	BAYVENT200B []
Manufactured / Mobile Home Kit	BAYMFGH100A []

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General Data

	Pr	oduct Specification	IS ⁽¹⁾	
MODEL	*UX2B060AFV3VA	*UX2B080AFV3VA	*UX2C100AFV4VA	*UX2D120AFV5VA
ТҮРЕ	Upflow / Horizontal	Upflow / Horizontal	Upflow / Horizontal	Upflow / Horizontal
RATINGS 2	•			
1st Stage Input BTUH	39,000	52,000	65,000	72,000
1st Stage Capacity BTUH (ICS)	3 36,000	48,000	60,000	66,600
2nd Stage Input BTUH	60,000	80,000	100,000	120,000
2nd Stage Capacity BTUH (ICS) ③ 56,000	73.000	93,000	112,000
Temp. rise (MinMax.) °F.	35 - 65	35 - 65	35 - 65	40 - 70
AFUE (%)	93.0	92.5	93.0	92.5
BLOWER DRIVE	DIRECT	DIRECT	DIRECT	DIRECT
Diameter - Width (In.)	10 x 7	10 x 8	10 x 11	10 x 10
No. Used	1	1	1	1
Speeds (No.)	Variable	Variable	Variable	Variable
CFM vs. in. w.g.	See Fan Performance Table	See Fan Performance Table	See Fan Performance Table	See Fan Performance Table
Motor HP	1/2	1/2	3/4	1
BPM	Variable	Variable	Variable	Variable
Volts / Ph / Hz	115/1/60	115/1/60	115/1/60	115/1/60
	Centrifugal	Centrifugal	Centrifugel	Contrifugal
Drive - No Speeds	Direct - Variable	Direct - Variable	Direct - Variable	Direct - Variable
Motor HP - R P M				
Volte / Ph / Hz	1/00-0000	1/50 - 5000	1/50 - 5000	1/50 - 5000
	33 - 110/3/00 - 100 1 0	33 - 110/3/00 - 180	33 - 110/3/00 - 180	10
	1.0 Vec	1.0	1.0	1.0
	Yes Whale Llaves Air Cleaner	Yes	Yes	Yes
Nov Indoor Polotivo Humidity				
VENT Size (in)	0. Downal	0.00%	0.00%	
VENT — SIZE (III.)	2 Round	2 Round	3 Round	3 Round
	Alternationization of Otto alternation			
i ype -Fired	Aluminized Steel - Type I	Aluminized Steel - Type I	Aluminized Steel - Type I	Aluminized Steel - Type I
	20	20	22	20
Gauge (Fired)	20	20	20	20
Nat. Gas. Qty. — Drill Size	3-45	4 — 45	5 — 45	6-45
L.P. Gas Qty. — Drill Size	3-56	4-56	5-56	6-56
GAS VALVE	Redundant - Two Stage	Redundant - Two Stage	Redundant - Single Stage	Redundant - Single Stage
lype	Hot Surface Ignition	Hot Surface Ignition	Hot Surface Ignition	Hot Surface Ignition
BURNERS — Type	Multiport Inshot	Multiport Inshot	Multiport Inshot	Multiport Inshot
Number	3	4	5	6
POWER CONN. — V / Ph / Hz	⁴) 115/1/60	115/1/60	115/1/60	115/1/60
Ampacity (In Amps)	8.7	9.5	13.1	13.5
Max. Overcurrent Protection (Amps	i) 15	15	20	20
PIPE CONN. SIZE (IN.)	1/2	1/2	1/2	1/2
DIMENSIONS	H x W x D	H x W x D	H x W x D	H x W x D
Crated (In.)	41-3/4 x 19-1/2 x 30-1/2	41-3/4 x 19-1/2 x 30-1/2	41-3/4 x 23 x 30-1/2	41-3/4 x 26-1/2 x 30-1/2
Uncrated (In.)	40 x 17-1/2 x 28-1/2	40 x 17-1/2 x 28-1/2	40 x 21 x 28-1/2	40 x 24-1/2 x 28-1/2
WEIGHT				
Shipping (Lbs.) / Net (Lbs.)	161 / 149	171/159	200/188	209/196

① Central Furnace heating designs are certified by AGA and CSA.

Source 1 and contracting dosting dosting to continue by Advanta dost.
For U.S. applications, above input ratings (BTUH) are up to 2,000 feet, derate 4% per 1,000 feet for elevations above 2,000 feet above sea level. For Canadian applications, above input ratings (BTUH) are up to 4,500 feet, derate 4% per 1,000 feet for elevations above 4,500 feet above sea level.

③ Based on U.S. government standard tests.

 The above wiring specifications are in accordance with National Electrical Code; however, installations must comply with local codes.
The FIELD CHARGER may require more frequent cleaning in homes with high indoor relative humidity (greater than 65% RH). Consult your service professional about cleaning intervals.

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Performance Data

	*UX2B	060AFV3VA	Furnace H	eating Airflo	w (CFM) and	Power (wa	itts) vs. Exte	ernal Static	Pressure W	ith Filter
		Airflow	Dip Swite	h Setting			Extern	al Static Pr	essure	
		Setting	SW7	SW8		0.1	0.3	0.5	0.7	0.9
					CFM	672.0	691.0	677.0	669.0	652.0
		Low	ON	ON	Temp. Rise	50	49	50	50	52
					Watts	70.0	106.0	138.0	172.0	202.0
				ON	CFM	738.0	757.0	757.0	724.0	713.0
		Medium Low	OFF		Temp. Rise	46	44	44	46	47
	Heating				Watts	84.0	123.0	160.0	187.0	225.0
	1st Stage	Medium**		OFF	CFM	800.0	823.0	806.0	800.0	782.0
			ON		Temp. Rise	42	41	42	42	43
ing					Watts	103.0	143.0	177.0	216.0	253.0
				OFF	CFM	900.0	920.0	925.0	926.0	824.0
ati		High	OFF		Temp. Rise	37	37	36	36	41
Чe					Watts	130.0	177.0	222.0	268.0	270.0
-				ON	CFM	928.0	955.0	953.0	950.0	834.0
		Low	ON		Temp. Rise	56	54	54	54	62
					Watts	143.0	194.0	237.0	282.0	276.0
					CFM	1042.0	1059.0	1063.0	1051.0	877.0
	Heating	Medium Low	OFF	ON	Temp. Rise	50	49	49	49	59
	2nd				Watts	186.0	243.0	294.0	338.0	292.0
	Stage				CFM	1152.0	1166.0	1157.0	1081.0	901.0
	Olage	Medium**	ON	OFF	Temp. Rise	45	44	45	48	57
					Watts	244.0	304.0	353.0	359.0	307.0
					CFM	1289.0	1287.0	1259.0	1118.0	951.0
		High	OFF	OFF 1	Temp. Rise	40	40	41	46	54
		g.i			Watts	336.0	397.0	432.0	382.0	331.0

	*UX2B060AFV3VA Furnace Cooling Airflow (CFM) and Power (Watts) vs. External Static Pressure With Filter											
	Unit	Airflow		Dip Swit	ch Setting				Extern	al Static Pre	essure	
	Outdoor	Setting	SW1	SW2	SW3	SW4		0.1	0.3	0.5	0.7	0.9
		Low (350			OFF		CFM	621	610	610	594	581
		CFM/Ton)	ON	ON	011	ON	Watts	63	90	121	150	181
	15	Normal (400		ON	OFF	OFF	CFM	673	688	686	665	650
	1.5	CFM/ton)	ON	ON	011	011	Watts	72	105	139	172	204
		High (450	ON	ON	ON	OFF	CFM	736	754	753	726	715
		CFM/ton)	ON	ON	ON	011	Watts	86	124	160	189	226
		Low (350	OFF	ON	OFF	ON	CFM	767	776	769	750	730
		CFM/Ton)	011	ON	011		Watts	93	128	164	197	232
	2	Normal (400	OFF	ON	OFF	OFF	CFM	841	853	854	847	824
	2	CFM/ton)	011	ON	011	011	Watts	112	154	196	235	269
		High (450	OFF		ON	OFF	CFM	925	955	955	949	837
		CFM/ton)	011	ON	ON	011	Watts	140	196	238	282	279
βι		Low (350	ON	OFF	OFF	ON	CFM	904	927	925	922	830
lir		CFM/Ton)		011	011		Watts	133	181	225	269	274
8	25	Normal (400	ON	OFF	OFF	OFF	CFM	1030	1051	1052	1047	870
C	2.0	CFM/ton)		011	011	011	Watts	183	238	288	355	291
		High (450	ON	OFF	ON	OFF	CFM	1160	1161	1160	1078	890
		CFM/ton)	СП	011	011	011	Watts	251	304	356	357	303
		Low (350	OFF	OFF	OFF	ON	CFM	1070	1088	1090	1069	879
		CFM/Ton)	011	011	DFF OFF DFF OFF		Watts	204	259	310	351	296
	3	Normal (400	OFF	OFF		OFF	CFM	1216	1201	1204	1098	923
	°,	CFM/ton)	011	011		011	Watts	285	330	389	370	316
		High (450	OFF	OFF			CFM	1339	1349	1280	1134	971
		CFM/ton)	011	0.1			Watts	373	448	449	398	345

Notes:

1. * First letter may be "A" or "T".

2. ** Factory setting.

 Continuous Fan Setting: Heating or cooling airflow is approximately 50% of selected cooling value.
For variable speed low speed airflows are approximately 30% of listed values.
LOW 350 cfm/ton is recommended for variable speed application for COMFORT & HUMID CLIMATE setting; NORMAL is 400 cfm/ton; HIGH 450 cfm/ton is for DRY CLIMATE setting.

American Standard

Performance Data

	*UX2B	080AFV3VA	Furnace H	eating Airflo	w (CFM) and	Power (wa	tts) vs. Exte	ernal Static	Pressure W	ith Filter
		Airflow	Dip Swite	h Setting			Extern	al Static Pr	essure	
		Setting	SW7	SW8		0.1	0.3	0.5	0.7	0.9
					CFM	736	755	770	774	766
		Low	ON	ON	Temp. Rise	61	59	58	58	58
					Watts	83	123	161	205	250
					CFM	810	854	872	877	875
		Medium Low	OFF	ON	Temp. Rise	55	52	51	51	51
	Heating				Watts	100	153	194	242	293
	1st Stage	Medium**			CFM	904	968	978	977	977
			ON	OFF	Temp. Rise	49	46	46	46	46
~					Watts	128	198	246	288	340
Ĕ				OFF	CFM	1092	1120	1113	1116	1116
ati		High	OFF		Temp. Rise	41	40	40	40	40
ę					Watts	203	275	320	365	422
			ON	ON	CFM	1049	1083	1088	1076	1080
		Low			Temp. Rise	65	63	63	64	63
					Watts	185	257	308	343	396
					CFM	1360	1359	1371	1316	1196
	Heating	Medium Low	OFF	ON	Temp. Rise	50	50	50	52	57
	2nd				Watts	364	450	531	540	484
	Stage				CFM	1351	1357	1375	1314	1198
	Oluge	Medium**	ON	OFF	Temp. Rise	51	50	50	52	57
					Watts	372	454	530	538	487
					CFM	1351	1376	1359	1318	1212
		High	OFF	OFF	Temp. Rise	51	50	50	52	57
					Watts	369	465	517	542	496

	*UX2B080AFV3VA Furnace Cooling Airflow (CFM) and Power (Watts) vs. External Static Pressure With Filter											
ſ	Unit	Airflow		Dip Swit	ch Setting				Extern	al Static Pre	essure	
	Outdoor	Setting	SW1	SW2	SW3	SW4		0.1	0.3	0.5	0.7	0.9
ſ		Low (350	ON	ON	OFF	ON	CFM	646	659	672	656	640
		CFM/Ton)	ON	ON	011	ON	Watts	65	96	135	171	202
	2	Normal (400	ON	ON	OFF	OFF	CFM	732	750	769	764	761
	-	CFM/ton)	ON	ON	011	011	Watts	81	120	162	201	248
		High (450	ON	ON	ON	OFF	CFM	811	848	872	875	874
		CFM/ton)	ON			011	Watts	101	153	195	243	292
ſ		Low (350	OFF	ON	OFF	ON	CFM	790	807	832	839	832
		CFM/Ton)	011		011		Watts	96	137	181	227	275
	25	Normal (400			OFF		CFM	896	956	968	967	967
	2.5	CFM/ton)	011			011	Watts	127	194	239	285	337
		High (450			ON	OFF	CFM	1055	1084	1096	1078	1084
		CFM/ton)	011	ON	ON	011	Watts	191	253	309	346	401
g		Low (350	ON	OFF	OFF	ON	CFM	953	1007	1012	1013	1005
Ē		CFM/Ton)	ON	011	011	ON	Watts	149	218	269	309	357
8	2	Normal (400	ON	OFF	OFF	OFF	CFM	1129	1147	1146	1153	1138
C	5	CFM/ton)	ON	011	011	011	Watts	224	292	346	407	443
		High (450	ON	OFF	ON	OFF	CFM	1275	1298	1306	1296	1185
		CFM/ton)	ON	011	ON	011	Watts	313	399	475	526	477
		Low (350	OFF	OFF	OFF	ON	CFM	1146	1158	1164	1174	1148
		CFM/Ton)	011	011	OFF	ON	Watts	233	298	358	419	448
	35	Normal (400	OFF	OFF		OFF	CFM	1343	1364	1370	1317	1200
	0.0	CFM/ton)	0.1	OFF OFF	011	011	Watts	363	449	518	546	486
		High (450	OFF	OFF	ON	OFF	CFM	1346	1364	1371	1327	1194
		CFM/ton)	0.1	0.1			Watts	361	449	526	545	485

Notes:

* First letter may be "A" or "T".
** Factory setting.

Protocy county.
Continuous Fan Setting: Heating or cooling airflow is approximately 50% of selected cooling value.
For variable speed low speed airflows are approximately 30% of listed values.

5. LOW 350 cfm/ton is recommended for variable speed application for COMFORT & HUMID CLIMATE setting; NORMAL is 400 cfm/ton; HIGH 450 cfm/ton is for DRY CLIMATE setting.

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Performance Data

*UX2C100AFV4VA Furnace Heating Airflow (CFM) and Power (watts) vs. External Static Pressure With									h Filter	
		Airflow	Dip Swit	ch Setting			Extern	al Static Pr	essure	
		Setting	SW7	SW8		0.1	0.3	0.5	0.7	0.9
					CFM	903	940	944	953	958
		Low	ON	ON	Temp. Rise	62	60	59	59	58
					Watts	104	155	201	253	308
				ON	CFM	999	1016	1042	1066	1070
		Medium Low	OFF		Temp. Rise	56	55	54	53	52
	Heating				Watts	129	178	237	301	359
	1st Stage	Medium**		OFF	CFM	1090	1145	1190	1206	1207
			ON		Temp. Rise	51	49	47	46	46
ing					Watts	156	227	300	370	434
				OFF	CFM	1234	1291	1328	1342	1339
at		High	OFF		Temp. Rise	45	43	42	42	42
Чe					Watts	211	296	375	448	517
-			ON	ON	CFM	1256	1321	1341	1351	1340
		Low			Temp. Rise	69	65	64	64	64
					Watts	221	313	383	457	521
					CFM	1398	1449	1451	1457	1420
	Heating	Medium Low	OFF	ON	Temp. Rise	62	59	59	59	61
	2nd				Watts	293	382	455	535	577
	Stane				CFM	1557	1595	1626	1609	1438
	Olage	Medium**	ON	OFF	Temp. Rise	55	54	53	54	60
					Watts	395	493	597	668	597
					CFM	1748	1781	1795	1640	1476
		High	OFF	OFF T	Temp. Rise	49	48	48	53	58
					Watts	548	667	761	695	627

	*UX2C100AFV4VA Furnace Cooling Airflow (CFM) and Power (Watts) vs. External Static Pressure With Filter											
	Unit	Airflow		Dip Switc	h Setting				Extern	al Static Pre	essure	
	Outdoor	Setting	SW1	SW2	SW3	SW4		0.1	0.3	0.5	0.7	0.9
		Low (350	ON	ON	OFF	ON	CFM	855	886	907	905	906
		CFM/Ton)	ON		011		Watts	95	142	193	241	289
	25	Normal (400	ON	ON	OFF	OFF	CFM	983	1002	1032	1044	1056
	2.5	CFM/ton)	ON	ON	011	01	Watts	128	178	236	295	355
		High (450	ON	ON		OFF	CFM	1077	1116	1160	1181	1185
		CFM/ton)	ON			011	Watts	154	219	293	361	429
		Low (350		ON	OFF		CFM	1020	1042	1076	1100	1099
		CFM/Ton)	011	ON	011		Watts	136	192	256	320	381
	3	Normal (400	OFF	ON	OFF	OFF	CFM	1155	1216	1247	1260	1262
	5	CFM/ton)	011	ON	0.1	011	Watts	185	263	337	404	473
		High (450	OFF	ON	ON	OFF	CFM	1309	1372	1387	1392	1362
		CFM/ton)	011	ON		011	Watts	249	341	419	495	543
g		Low (350	ON	OFF	OFF	ON	CFM	1170	1239	1269	1274	1275
ij.		CFM/Ton)	ON	OIT	011		Watts	186	276	350	414	483
8	35	Normal (400	ON	OFF	OFF	OFF	CFM	1365	1418	1433	1425	1371
C	5.5	CFM/ton)		011	011	011	Watts	278	369	452	518	550
		High (450	ON	OFF	ON	OFF	CFM	1544	1568	1602	1573	1408
		CFM/ton)	ON	OIT		011	Watts	387	480	587	641	579
		Low (350	OFF	OFF	OFF	ON	CFM	1350	1407	1430	1425	1374
		CFM/Ton)	011	OIT	OFF		Watts	270	362	448	516	557
	4	Normal (400	OFF	OFF		OFF	CFM	1554	1581	1612	1597	1424
	-	CFM/ton)	011	OIT		011	Watts	387	486	590	652	585
		High (450	OFF	OFF		OFF	CFM	1758	1798	1784	1628	1469
		CFM/ton)		011			Watts	552	681	754	689	619

Notes:

* First letter may be "A" or "T".
** Factory setting.
Continuous Fan Setting: Heating or cooling airflow is approximately 50% of selected cooling value.

4. For variable speed low speed airflows are approximately 30% of listed values.
5. LOW 350 cfm/ton is recommended for variable speed application for COMFORT & HUMID CLIMATE setting; NORMAL is 400 cfm/ton; HIGH 450 cfm/ton is for DRY CLIMATE setting.

American Standard

Performance Data

	*UX2D	120AFV5VA	Furnace H	eating Airflo	w (CFM) and	Power (wa	tts) vs. Exte	ernal Static I	Pressure W	ith Filter
		Airflow	Dip Swite	ch Setting			Extern	al Static Pre	essure	
		Setting	SW7	SW8		0.1	0.3	0.5	0.7	0.9
					CFM	1048	1077	1095	1090	1093
		Low	ON	ON	Temp. Rise	64	62	61	61	61
					Watts	204	262	319	360	405
				ON	CFM	1199	1205	1221	1231	1248
		Medium Low	OFF		Temp. Rise	56	55	55	54	54
	Heating				Watts	262	314	377	444	512
	1st Stage	Medium**		OFF	CFM	1327	1365	1389	1404	1404
			ON		Temp. Rise	50	49	48	48	48
R					Watts	320	397	472	548	613
ľn				OFF	CFM	1592	1616	1633	1629	1458
ati		High	OFF		Temp. Rise	42	41	41	41	46
Чe					Watts	477	565	643	718	657
-				ON	CFM	1740	1746	1743	1658	1482
		Low	ON		Temp. Rise	59	59	59	62	69
					Watts	626	709	779	780	709
					CFM	1955	1960	1834	1694	1529
	Heating	Medium Low	OFF	ON	Temp. Rise	53	52	56	61	67
	2nd				Watts	837	928	871	810	745
	Stade				CFM	2123	1997	1871	1737	1578
	Jiage	Medium**	ON	OFF	Temp. Rise	48	51	55	59	65
					Watts	1031	971	912	854	787
					CFM	2179	2066	1949	1817	1660
		High	OFF	OFF -	Temp. Rise	47	50	53	57	62
		3			Watts	1111	1058	1000	941	869

		*UX2D120	al Static Pre	ssure With	Filter							
	Unit	Airflow		Dip Swit	ch Setting			External Static Pressure				
	Outdoor	Setting	SW1	SW2	SW3	SW4		0.1	0.3	0.5	0.7	0.9
		Low (350	OFF				CFM	1219	1230	1246	1252	1271
		CFM/Ton)	UFF		OFF	ON	Watts	214	271	337	399	472
	35	Normal (400	OFF		OFF	OFF	CFM	1425	1451	1481	1496	1431
	3.5	CFM/ton)	UFF	ON	OFF	UFF	Watts	320	398	480	561	583
		High (450	OFF	ON	ON	OFF	CFM	1642	1671	1681	1645	1466
		CFM/ton)	UFF		ON	OFF	Watts	461	554	635	678	608
		Low (350			OFF	ON	CFM	1431	1456	1475	1481	1422
		CFM/Ton)	ON	OFF		ON	Watts	316	395	470	543	570
	٨	Normal (400	ON OFF	OFF	OFF	OFF	CFM	1697	1710	1720	1639	1458
g	-	CFM/ton)	ON		011	011	Watts	498	583	660	668	596
i		High (450	ON	OFF	ON	OFF	CFM	1916	1932	1825	1681	1510
8		CFM/ton)	ON	01		011	Watts	690	797	764	707	635
Ö		Low (350	OFF	OFF	OFF		CFM	1840	1866	1823	1679	1502
		CFM/Ton)	011		011		Watts	623	725	760	705	632
	5	Normal (400	OFF		OFF	OFF	CFM	2121	1996	1868	1731	1567
	5	CFM/ton)	011		OFF	011	Watts	928	871	811	754	686
		High (450	OFF	OFF	ON	OFF	CFM	2173	2050	1929	1797	1641
		CFM/ton)	OFF	UFF		UFF	Watts	995	934	880	818	753

Notes:

* First letter may be "A" or "T".
** Factory setting.

3. Continuous Fan Setting: Heating or cooling airflow is approximately 50% of selected cooling value.

4. For variable speed low speed airflows are approximately 30% of listed values.

5. LOW 350 cfm/ton is recommended for variable speed application for COMFORT & HUMID CLIMATE setting; NORMAL is 400 cfm/ton;

HIGH 450 cfm/ton is for DRY CLIMATE setting.

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Electrical Data





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PUB. NO. 12-1259-03

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Field

Wiring



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Dimensions





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Since American Standard has a policy of continuous product improvement, it reserves the right to change design and specifications without notice.