

TECHNICAL SPECIFICATIONS

JS6BD-K Builder's Series

**R-410A High Efficiency
Air Conditioner
13 SEER Residential System
2 – 5 Ton Capacity**

The JS6BD-K Series now offers the choice of an air conditioner that uses a more efficient and environmentally friendly refrigerant designated R-410A. The JS6BD-K Series of air conditioners offers exceptional performance. The unit, when combined with our engineered coils or air handlers, offers a full line of quality, split system cooling equipment.



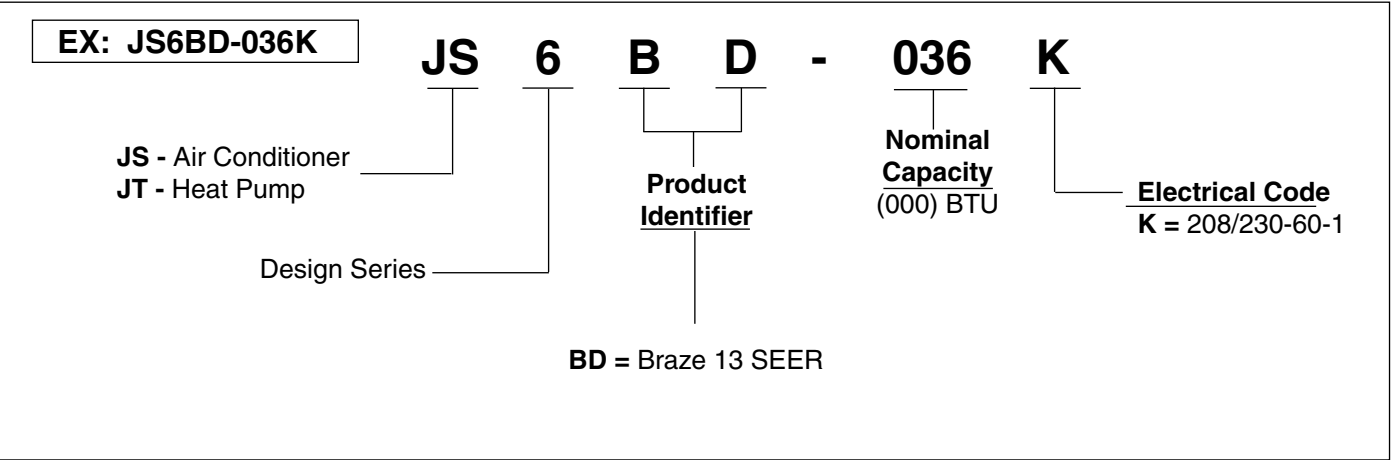
WARRANTY

- This product offers a 5-year parts warranty.
- 5-year compressor warranty

FEATURES and BENEFITS

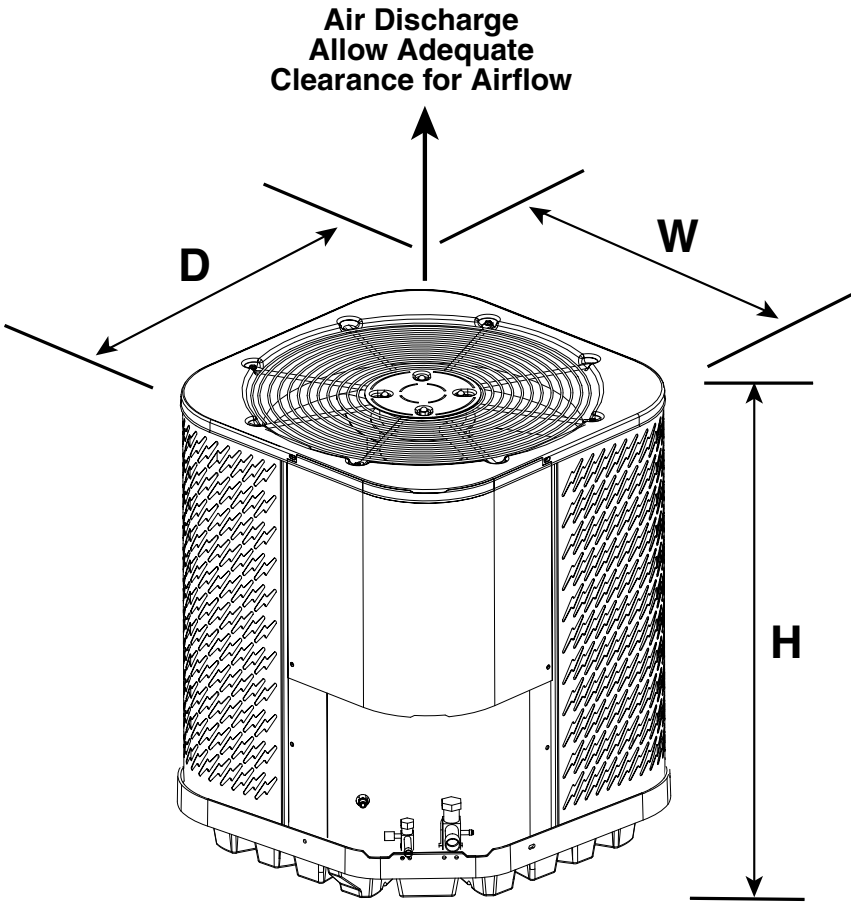
- **R-410A Refrigerant:** Earth friendly non-ozone depleting refrigerant.
- **Designed using galvanized steel:** with a polyester urethane coat finish. The 950 hour salt spray finish resists corrosion 50% better than comparable units.
- **Composite Base Pan:** Absorbs sound and is corrosion resistant. Composite is also stronger and lighter than steel.
- **Permanently Lubricated Motor:** A heavy duty PSC motor for long lasting reliability and quiet operation. Requires no maintenance and is completely protected from rain and snow.
- **Removable Top Grille Assembly:** Allows ease of service from the top without disconnecting fan motor leads.
- **High Pressure Switch:** Protects against abnormally high system pressures. Auto-reset feature prevents nuisance service visits.
- **Liquid Line Filter Drier:** Included with unit, field installed.
- **One Piece Top/Orifice:** Designed for maximum airflow and quiet operation.
- **Easy Compressor and Control Access:** Designed to make servicing easier for the contractor, access panels are provided to all controls and the compressor from the side of the unit.
- **Complete Metal Wrapper:** Durable metal guard protects the coil from yard hazards and extreme weather.
- **Micro-Channel Coils:** All aluminum coil which provides high corrosion resistance.

MODEL IDENTIFICATION CODES



DIMENSIONS
AIR CONDITIONER OUTDOOR SECTION

JS6BD	024K	030K	036K	042K	048K	060K
H	27 1/2	27 1/2	35 1/2	27 1/2	27 1/2	31 1/2
W	22 3/4	22 3/4	22 3/4	30 3/4	30 3/4	30 3/4
D	22 3/4	22 3/4	22 3/4	30 3/4	30 3/4	30 3/4



PHYSICAL AND ELECTRICAL SPECIFICATIONS / OUTDOOR UNITS

13 SEER — High Efficiency — Single Phase

Model Number JS6BD			024K	030K	036K
Electrical Data	Volts-Cycles-Phase (1)		208/230-60-1	208/230-60-1	208/230-60-1
	Total Amps		10.5	11.7	16.4
	Delay Fuse Max. (2)		20	25	35
	Min. Circuit Ampacity		12.9	14.5	20.1
Component Data	Coil	Area	10.0	10.0	13.3
		Rows-FPI	1-23	1-23	1-23
		Tube Dia	Micro-Channel	Micro-Channel	Micro-Channel
	Fan Motor	Type	PSC	PSC	PSC
		Amps	0.7	0.7	1.4
		HP	0.1	0.1	0.25
	Fan Blade	Dia - # Blades	18" - 3BL	18" - 3BL	18" - 4BL
		SCFM	2800	3000	3000
	Compressor Data	RLA	9.8	11.0	15.0
		LRA	49.0	59.0	88.0
Refrigerant suction line O.D. NOTE: Liquid line is 3/8" O.D. for entire length.		15-24 ft.	3/4"	3/4"	3/4"
		25-39 ft.	3/4"	3/4"	7/8" (3)
		40-75 ft.	3/4"	3/4"	7/8" (3)
Approximate Weight (lbs.)		Net	113	116	135
		Ship	118	121	140
Sound Rating db			71	71	74

(1) Operating Voltage Range: 187v min. — 253v max.

(2) HACR Type Circuit Breakers may be used.

(3) Requires 7/8" to 3/4" reducer from line to unit.

(4) Requires 7/8" to 1-1/8" reducer from line to unit.

(5) Additional charge for line sets above 15 feet.

Values based on suction line as follows with 3/8" liquid line.

a) 3/4" = 0.6 oz. per additional foot.

b) 7/8" = 0.7 oz. per additional foot.

c) 1 1/8" = 0.8 oz per additional foot.

ACCESSORIES - Condensing Unit

Start Assist Kit - 912933

Provides additional starting torque for the compressor motor when operating with low line voltage or high operating temperatures.

Extreme wind condition Mounting Kit - 920900

SYSTEM COOLING CAPACITIES

13 SEER — High Efficiency — Single Phase

Outdoor Unit	Indoor Unit	A Cap	SEER	EER	CFM
JS6BD-024K	C7B(A,H)M01824(C,U)-A	24,000	13.00	11.00	705
JS6BD-024K	C7B(A,H)M01824(C,U)-B	24,000	13.00	11.00	800
JS6BD-030K	C7B(A,H)M03036(C,U)-A	28,600	13.00	11.00	930
JS6BD-030K	C7B(A,H)M03036(C,U)-B	28,600	13.00	11.00	940
JS6BD-030K	C7B(A,H)M03036(C,U)-C	28,600	13.00	11.00	940
JS6BD-036K	C7B(A,H)M03036(C,U)-A	35,400	13.00	10.70	1,220
JS6BD-036K	C7B(A,H)M03036(C,U)-B	35,400	13.00	10.70	1,220
JS6BD-036K	C7B(A,H)M03642(C,U)-B	35,600	13.00	10.70	1,220
JS6BD-036K	C7B(A,H)M03648(C,U)-C	35,600	13.00	10.70	1,220

Outdoor Unit	Indoor Unit	A Cap	SEER	A EER	CFM
JS6BD-024K	B6BMM024K-A	22,800	13.00	11.00	700
JS6BD-024K	B6BMM024K-B	23,000	13.00	11.00	715
JS6BD-030K	B6BMM030K-A	28,800	13.00	11.00	915
JS6BD-030K	B6BMM030K-B	28,800	13.00	11.00	915
JS6BD-036K	B6BMM042K-B	35,400	13.00	10.70	1225

COOLING EXPANDED RATINGS

JS6BD-024K C7B(A,H)M01824(C,U)-B

O.D.T			65°F			75°F			85°F			95°F			105°F			115°F		
CFM	E.D.B.	E.W.B.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.
700	80	62	24.7	18.8	1.57	24.0	19.1	1.75	22.9	19.2	1.93	21.6	18.8	2.13	20.23	19.77	2.32	18.76	18.34	2.52
	80	67	27.4	15.7	1.61	26.3	15.6	1.79	25.1	15.7	1.97	23.8	15.3	2.15	22.27	14.97	2.35	20.66	13.63	2.56
	80	72	30.8	12.4	1.66	29.5	12.3	1.84	28.1	12.6	2.02	26.6	12.2	2.21	24.93	11.98	2.41	23.08	12.19	2.61
	75	63	25.1	15.2	1.58	24.2	15.0	1.75	23.1	15.1	1.93	21.8	14.7	2.13	20.33	13.15	2.32	18.73	14.21	2.52
800	80	62	25.7	20.8	1.62	24.7	21.2	1.80	23.5	20.7	1.98	22.3	20.4	2.17	20.95	20.15	2.37	19.71	19.54	2.58
	80	67	28.2	16.7	1.66	27.0	17.2	1.84	25.8	16.7	2.02	24.4	16.4	2.20	22.80	16.31	2.40	21.10	16.13	2.61
	80	72	31.5	13.1	1.70	30.2	13.7	1.89	28.7	13.2	2.08	27.0	13.0	2.26	25.00	13.04	2.45	23.16	12.95	2.66
	75	63	25.9	16.1	1.62	24.8	16.5	1.80	23.6	16.0	1.98	22.3	15.7	2.17	20.83	15.51	2.37	19.16	15.26	2.57
900	80	62	26.3	22.5	1.67	25.3	22.6	1.85	24.1	22.1	2.03	23.0	21.8	2.22	21.81	21.07	2.42	20.41	20.32	2.63
	80	67	28.8	17.9	1.70	27.6	18.1	1.88	26.3	17.6	2.07	24.8	17.5	2.25	23.21	17.20	2.45	21.46	17.12	2.65
	80	72	32.1	14.0	1.76	30.6	14.3	1.94	28.8	13.8	2.12	27.1	13.8	2.30	25.40	13.57	2.50	23.55	13.57	2.71
	75	63	26.4	17.2	1.67	25.4	17.4	1.85	24.1	16.8	2.03	22.7	16.7	2.22	21.19	16.34	2.41	19.50	16.16	2.61

JS6BD-030K C7B(A,H)M03036(C,U)-A

O.D.T			65°F			75°F			85°F			95°F			105°F			115°F		
CFM	E.D.B.	E.W.B.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.
875	80	62	27.8	22.7	1.81	27.6	22.9	2.04	26.7	23.1	2.24	25.5	22.7	2.44	23.98	23.57	2.65	22.53	22.15	2.87
	80	67	31.1	18.4	1.87	30.7	18.5	2.07	29.7	18.9	2.28	28.4	18.5	2.49	26.67	18.15	2.70	24.71	16.60	2.92
	80	72	35.6	14.6	1.94	34.9	14.7	2.15	33.7	15.2	2.36	32.1	14.9	2.57	30.26	14.60	2.78	28.01	14.85	3.01
	75	63	28.1	17.6	1.82	27.8	17.7	2.04	26.9	18.0	2.24	25.7	17.6	2.44	24.09	15.78	2.65	22.12	17.10	2.87
1000	80	62	28.8	24.6	1.87	28.5	25.4	2.09	27.6	25.0	2.30	26.4	24.8	2.50	25.20	24.35	2.72	23.62	23.42	2.94
	80	67	32.1	19.6	1.93	31.6	20.5	2.14	30.6	20.1	2.34	29.2	19.9	2.55	27.38	19.82	2.76	25.27	19.60	2.98
	80	72	36.5	15.4	2.01	35.8	16.4	2.22	34.6	16.0	2.43	32.9	15.9	2.63	30.69	15.95	2.84	28.16	15.84	3.06
	75	63	29.0	18.7	1.87	28.7	19.5	2.10	27.7	19.1	2.30	26.4	18.9	2.50	24.70	18.71	2.71	22.72	18.41	2.93
1125	80	62	29.7	26.7	1.94	29.3	27.2	2.15	28.7	26.6	2.36	27.6	26.2	2.57	26.19	25.31	2.79	24.53	24.42	3.01
	80	67	32.9	21.2	1.99	32.4	21.7	2.20	31.2	21.3	2.40	29.7	21.2	2.61	27.88	20.95	2.82	25.75	20.84	3.05
	80	72	37.3	16.6	2.08	36.5	17.2	2.29	35.0	16.8	2.49	33.0	16.8	2.69	31.00	16.64	2.90	28.68	16.64	3.12
	75	63	29.7	20.1	1.94	29.3	20.6	2.15	28.3	20.2	2.35	26.9	20.1	2.56	25.17	19.76	2.77	23.12	19.54	2.98

JS6BD-036K C7B(A,H)M03036(C,U)-B

O.D.T			65°F			75°F			85°F			95°F			105°F			115°F		
CFM	E.D.B.	E.W.B.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.
1050	80	62	35.7	27.1	2.19	34.4	27.9	2.50	32.9	28.0	2.82	31.2	27.5	3.15	29.29	28.70	3.50	27.57	27.01	3.86
	80	67	39.6	22.5	2.24	38.1	22.4	2.55	36.4	22.6	2.88	34.5	22.2	3.21	32.48	21.75	3.57	30.30	19.97	3.94
	80	72	44.0	17.7	2.31	42.3	17.6	2.63	40.5	18.0	2.96	38.4	17.6	3.31	36.28	17.26	3.67	33.86	17.62	4.08
	75	63	36.4	21.8	2.20	34.9	21.6	2.51	33.3	21.7	2.83	31.5	21.2	3.16	29.56	19.30	3.50	27.51	20.83	3.86
1200	80	62	36.9	30.3	2.26	35.5	30.9	2.57	33.8	30.3	2.89	32.2	29.9	3.23	30.69	29.61	3.58	28.98	28.74	3.96
	80	67	40.6	24.0	2.31	39.0	24.8	2.63	37.3	24.1	2.95	35.3	23.8	3.29	33.23	23.76	3.65	30.98	23.67	4.02
	80	72	45.1	18.6	2.39	43.3	19.5	2.71	41.4	18.9	3.04	39.3	18.7	3.39	37.02	18.81	3.76	34.47	18.84	4.17
	75	63	37.3	23.2	2.27	35.8	23.8	2.58	34.2	23.1	2.90	32.3	22.8	3.23	30.27	22.60	3.58	28.09	22.39	3.93
1350	80	62	37.8	32.8	2.33	36.3	33.1	2.64	34.9	32.3	2.97	33.5	31.8	3.31	31.85	30.77	3.67	30.05	29.92	4.05
	80	67	41.5	25.8	2.38	39.8	26.2	2.70	38.0	25.5	3.02	36.0	25.4	3.36	33.79	25.13	3.72	31.49	25.18	4.09
	80	72	46.0	20.0	2.46	44.1	20.4	2.79	42.1	19.8	3.12	39.9	19.8	3.47	37.52	19.69	3.84	34.90	19.87	4.25
	75	63	38.1	24.8	2.33	36.6	25.1	2.64	34.8	24.4	2.97	32.9	24.2	3.30	30.83	23.89	3.65	28.60	23.80	4.01

COOLING EXPANDED RATINGS

JS6BD-024K B6BMM024K-A

O.D.T			65°F			75°F			85°F			95°F			105°F			115°F		
CFM	E.D.B.	E.W.B.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.
550	80	62	22.1	15.9	1.45	21.4	15.8	1.62	20.7	16.3	1.79	19.7	16.0	1.98	18.46	16.79	2.18	17.18	15.62	2.37
	80	67	24.7	13.5	1.48	23.8	13.4	1.66	22.8	13.6	1.83	21.7	13.3	2.01	20.44	13.01	2.20	19.08	11.78	2.41
	80	72	27.8	10.9	1.53	26.7	10.8	1.71	25.7	11.1	1.89	24.4	10.8	2.07	23.09	10.60	2.26	21.59	10.82	2.46
	75	63	22.5	13.0	1.45	21.7	13.0	1.63	20.9	13.1	1.80	19.9	12.8	1.98	18.60	11.52	2.18	17.27	12.41	2.38
700	80	62	23.6	18.6	1.51	22.8	19.0	1.68	22.0	18.6	1.85	20.8	18.4	2.04	19.63	18.25	2.23	18.32	18.04	2.44
	80	67	26.0	15.1	1.55	25.1	15.6	1.72	24.1	15.1	1.90	22.8	14.9	2.08	21.52	14.88	2.27	20.02	14.77	2.47
	80	72	29.3	11.9	1.60	28.2	12.5	1.78	26.9	12.1	1.96	25.5	12.0	2.14	23.99	12.02	2.34	22.26	12.04	2.53
	75	63	23.8	14.5	1.52	23.0	14.9	1.69	22.1	14.5	1.86	20.9	14.3	2.05	19.66	14.18	2.23	18.19	13.98	2.43
850	80	62	24.7	21.0	1.57	23.9	21.2	1.75	22.9	20.7	1.92	21.8	20.6	2.10	20.86	20.10	2.30	19.64	19.55	2.51
	80	67	27.1	16.8	1.61	26.1	17.0	1.78	24.9	16.5	1.96	23.6	16.4	2.14	22.21	16.24	2.33	20.65	16.21	2.53
	80	72	30.3	13.2	1.66	29.0	13.5	1.84	27.5	13.1	2.02	25.9	13.0	2.20	24.34	12.89	2.39	22.68	12.96	2.59
	75	63	24.8	16.1	1.57	23.9	16.3	1.75	22.9	15.8	1.92	21.7	15.7	2.10	20.32	15.46	2.29	18.82	15.80	2.49

JS6BD-030K B6BMM030K-A

O.D.T			65°F			75°F			85°F			95°F			105°F			115°F		
CFM	E.D.B.	E.W.B.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.
750	80	62	27.6	20.9	1.75	27.4	21.1	1.94	26.7	21.4	2.13	25.8	21.6	2.31	24.48	22.90	2.51	22.88	21.40	2.72
	80	67	31.1	17.6	1.83	30.7	17.8	2.03	29.8	18.1	2.21	28.5	17.8	2.40	27.04	17.59	2.60	25.34	16.05	2.80
	80	72	35.2	14.1	1.94	34.5	14.2	2.13	33.4	14.6	2.33	32.1	14.3	2.52	30.36	14.12	2.73	28.42	14.44	2.94
	75	63	28.2	16.9	1.76	27.9	17.1	1.95	27.2	17.4	2.14	26.1	17.1	2.32	24.74	15.72	2.52	23.11	16.92	2.73
900	80	62	29.1	23.9	1.84	28.8	24.7	2.03	28.0	24.4	2.22	26.9	24.2	2.40	25.53	24.17	2.60	24.15	23.95	2.81
	80	67	32.5	19.3	1.92	31.9	20.2	2.11	30.9	19.8	2.30	29.6	19.6	2.49	28.00	19.65	2.69	26.19	19.58	2.90
	80	72	36.9	15.2	2.04	36.1	16.1	2.23	34.8	15.7	2.43	33.2	15.6	2.62	31.35	15.72	2.82	29.25	15.76	3.04
	75	63	29.5	18.5	1.85	29.1	19.3	2.04	28.3	18.9	2.22	27.1	18.8	2.41	25.65	18.75	2.60	23.93	18.61	2.80
1050	80	62	30.3	26.5	1.92	29.9	27.0	2.11	29.0	26.7	2.30	28.0	26.5	2.49	26.85	25.94	2.70	25.37	25.27	2.92
	80	67	33.7	21.3	2.00	33.0	21.8	2.20	31.9	21.3	2.39	30.4	21.3	2.58	28.72	21.15	2.78	26.80	21.17	2.98
	80	72	38.1	16.6	2.12	37.2	17.2	2.32	35.7	16.8	2.51	34.0	16.8	2.71	31.99	16.74	2.91	29.58	16.88	3.11
	75	63	30.5	20.2	1.92	30.0	20.7	2.12	29.1	20.4	2.30	27.9	20.3	2.49	26.30	20.14	2.68	24.52	20.09	2.88

JS6BD-036K B6BMM042K-B

O.D.T			65°F			75°F			85°F			95°F			105°F			115°F		
CFM	E.D.B.	E.W.B.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.
1050	80	62	38.0	30.6	2.30	36.5	30.3	2.54	34.9	30.4	2.81	33.1	29.8	3.12	31.09	30.56	3.53	29.41	28.92	3.93
	80	67	41.1	24.9	2.33	39.4	24.8	2.58	37.5	25.0	2.86	35.4	24.4	3.21	33.43	24.03	3.56	31.41	22.75	3.95
	80	72	44.8	19.0	2.37	42.8	18.8	2.65	40.7	19.1	2.95	38.7	18.8	3.25	36.55	18.48	3.60	34.30	18.94	3.99
	75	63	38.3	24.2	2.30	36.8	24.1	2.54	35.1	24.2	2.81	33.2	23.6	3.14	31.13	21.64	3.53	29.16	23.26	3.92
1200	80	62	38.9	33.0	2.37	37.4	33.5	2.61	35.7	32.7	2.88	33.9	32.0	3.22	32.16	31.07	3.60	30.44	30.18	3.99
	80	67	41.9	26.7	2.40	40.1	27.4	2.65	38.1	26.7	2.94	36.0	26.3	3.27	34.00	26.33	3.62	31.86	26.28	4.01
	80	72	45.5	20.1	2.44	43.5	20.9	2.72	41.3	20.3	3.01	39.2	20.1	3.32	36.96	20.23	3.66	34.63	20.35	4.06
	75	63	39.1	25.9	2.37	37.5	26.5	2.61	35.7	25.8	2.88	33.7	25.4	3.21	31.64	25.23	3.59	29.61	25.10	3.98
1350	80	62	39.7	35.6	2.43	38.2	35.6	2.68	36.7	34.2	2.95	34.8	33.0	3.31	33.06	31.94	3.67	31.25	31.12	4.06
	80	67	42.5	28.9	2.46	40.6	29.1	2.71	38.6	28.4	3.01	36.5	28.2	3.34	34.38	27.99	3.69	32.22	28.06	4.07
	80	72	46.1	21.6	2.51	43.9	22.0	2.79	41.6	21.4	3.07	39.5	21.4	3.38	37.18	21.32	3.72	34.69	21.53	4.12
	75	63	39.7	27.9	2.43	38.0	28.1	2.67	36.2	27.4	2.95	34.1	27.1	3.29	32.02	26.75	3.66	29.95	26.73	4.05



GENERAL TERMS OF LIMITED WARRANTY

For complete details of the Limited Warranty, including applicable terms and conditions, see your local installer or contact the NORDYNE warranty department for a copy.

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