FUJITSU

AIR CONDITIONERS

WA13 SERIES

Nominal Sizes 1.5-5 Tons [5.28-17.6 kW]
Efficiencies up to 13 SEER/11 EER

Features

- Outdoor air conditioner designed for ground level or rooftop installations. These units offer comfort and dependability for single, multi-family and light commercial applications.
- Painted louvered steel cabinet
- Easily accessible control box
- Condenser coils constructed with copper tubing and enhanced aluminum fins.
- Grille/Motor mount for quiet fan operation
- Filter Drier (shipped – not installed)

Manufactured for
Fujitsu General America, Inc.
Fairfield, NJ

Performance Review Institute Registrar
Achieving Excellence Together
ISO 9001:2015
Certified Company

c UL us
LISTED

AHRI CERTIFIED
www.ahridirectory.org
Unitary Small AC
AHRI Standard 210/240
Certification applies only when the complete system is listed with AHRI.

ENERGUIDE
Seasonal Energy Efficiency Ratio (SEER)
THIS MODEL 13.0
13.0 — Uses least energy → 21.0

TABLE OF CONTENTS

Air Conditioners*

W	A	13	24	A	J	1	N	A	*
Brand	**Product Category**	**SEER**	**Capacity BTU/HR**	**Major Series***	**Voltage**	**Type**	**Controls**	**Minor Series****	**Option Code**
Fujitsu	A - Air Conditioners	13 - 13 SEER 14 - 14 SEER	18 - 18,000 [5.28 kW] 24 - 24,000 [7.03 kW] 30 - 30,000 [8.79 kW] 36 - 36,000 [10.55 kW] 42 - 42,000 [12.31 kW] 48 - 48,000 [14.07 kW] 60 - 60,000 [17.58 kW]	A - 1st Design	J - 1ph, 208-230/60 C - 3ph, 208-230/60 D - 3ph, 460/60	1 - Single-stage	N - Non-Communicating	A - 1st Design B - 2nd Revision	FGA

[ ] Designates Metric Conversions

Available SKUs

Available Models
WA1318AJ1NAFGA
WA1324AJ1NAFGA
WA1330BJ1NAFGA
WA1336AC1NAFGA
WA1336AD1NAFGA
WA1336AJ1NAFGA
WA1342AC1NAFGA
WA1342AD1NAFGA
WA1342AJ1NAFGA
WA1348BC1NAFGA
WA1348BD1NAFGA
WA1348BJ1NAFGA
WA1360AD1NAFGA
WA1360BC1NAFGA
WA1360BJ1NAFGA

Electrical and Physical Data

Model Number WA13	ELECTRICAL							PHYSICAL					
	Phase Frequency (Hz) Voltage (Volts)	Compressor		Fan Motor Full Load Amperes (FLA)	Minimum Circuit Ampacity Amperes	Fuse or HACR Circuit Breaker		Outdoor Coil			Refrig. Per Circuit Oz. [g]	Weight	
		Rated Load Amperes (RLA)	Locked Rotor Amperes (LRA)			Minimum Amperes	Maximum Amperes	Face Area Sq. Ft. [m²]	No. Rows	CFM [L/s]		Net Lbs. [kg]	Shipping Lbs. [kg]
18	1-60-208/230	9/9	46	0.6	12/12	15/15	20/20	7.13 [0.66]	1	1415 [668]	67.4 [1911]	120 [54.4]	128 [54.4]
24	1-60-208/230	13.5/13.5	58.3	0.6	18/18	25/25	30/30	8.43 [0.78]	1	1665 [786]	67.8 [1922]	121 [54.9]	129 [54.9]
30B	1-60-208/230	12.8/12.8	64	0.7	17/17	20/20	25/25	13.72 [1.27]	1	2121 [1001]	98.0 [2790]	138 [62.6]	145 [65.8]
36	1-60-208/230	16.7/16.7	79	0.8	22/22	30/30	35/35	13.72 [1.27]	1	2540 [1199]	90.6 [2569]	149 [67.6]	157 [67.6]
42	1-60-208/230	17.9/17.9	112	1.2	24/24	30/30	40/40	13.72 [1.27]	1	2540 [1199]	106.0 [3005]	149 [67.6]	157 [67.6]
48B	1-60-208/230	19.9/19.9	109	1.0	26/26	35/35	45/45	21.85 [2.03]	1	3571 [1685]	146.0 [4139]	205 [93.0]	225 [102.1]
60B	1-60-208/230	26.4/26.4	134	1.7	35/35	45/45	60/60	21.85 [2.03]	2	3360 [1560]	228.0 [6464]	254 [115.2]	274 [124.3]

Model Number WA13	ELECTRICAL							PHYSICAL					
	Phase Frequency (Hz) Voltage (Volts)	Compressor		Fan Motor Full Load Amperes (FLA)	Minimum Circuit Ampacity Amperes	Fuse or HACR Circuit Breaker		Outdoor Coil			Refrig. Per Circuit Oz. [g]	Weight	
		Rated Load Amperes (RLA)	Locked Rotor Amperes (LRA)			Minimum Amperes	Maximum Amperes	Face Area Sq. Ft. [m²]	No. Rows	CFM [L/s]		Net Lbs. [kg]	Shipping Lbs. [kg]
36	3-60-208/230	10.4/10.4	73	0.8	14/14	20/20	20/20	13.72 [1.27]	1	2540 [1199]	90.6 [2569]	149 [67.6]	157 [67.6]
42	3-60-208/230	13.2/13.2	88	1.2	18/18	25/25	30/30	13.72 [1.27]	1	2540 [1199]	106.0 [3005]	149 [67.6]	157 [67.6]
48B	3-60-208/230	13.1/13.1	83.1	1.0	18/18	25/25	30/30	21.85 [2.03]	1	3571 [1685]	146.0 [4139]	205 [93.0]	225 [102.1]
60B	3-60-208/230	16.0/16.0	110.0	1.7	22/22	30/30	35/35	21.85 [2.03]	2	3360 [1560]	228.0 [6464]	254 [115.2]	274 [124.3]

Model Number WA13	ELECTRICAL							PHYSICAL					
	Phase Frequency (Hz) Voltage (Volts)	Compressor		Fan Motor Full Load Amperes (FLA)	Minimum Circuit Ampacity Amperes	Fuse or HACR Circuit Breaker		Outdoor Coil			Refrig. Per Circuit Oz. [g]	Weight	
		Rated Load Amperes (RLA)	Locked Rotor Amperes (LRA)			Minimum Amperes	Maximum Amperes	Face Area Sq. Ft. [m²]	No. Rows	CFM [L/s]		Net Lbs. [kg]	Shipping Lbs. [kg]
36	3-60-460	5.8/5.8	38	0.35	8/8	15/15	15/15	13.72 [1.27]	1	2540 [1199]	90.6 [2569]	149 [67.6]	157 [67.6]
42	3-60-460	6/6	44	0.8	9/9	15/15	15/15	13.72 [1.27]	1	2540 [1199]	106.0 [3005]	149 [67.6]	157 [67.6]
48B	3-60-460	6.09/6.09	41	0.8	9/9	15/15	15/15	21.85 [2.03]	1	3571 [1685]	146.0 [4139]	205 [93.0]	225 [102.1]
60	3-60-460	7.8/7.8	52	0.8	11/11	15/15	15/15	19.17 [1.78]	1	3380 [1595]	157.2 [4457]	223 [101.2]	234 [101.2]

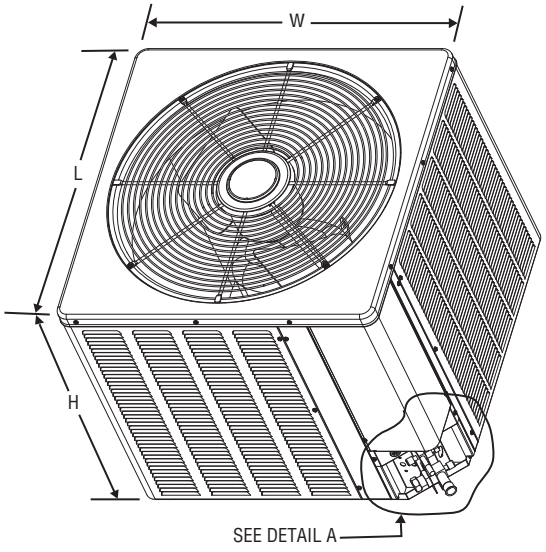
NOTE: Factory Refrigerant Charge includes refrigerant for 15 feet of standard line set.

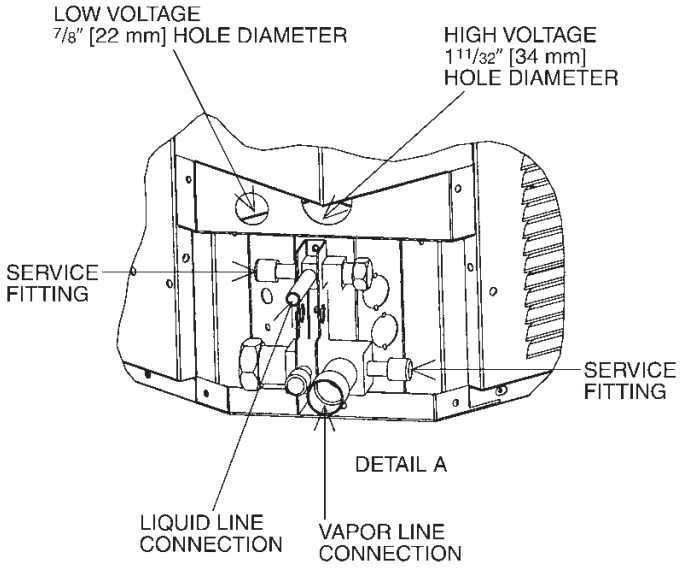
[ ] Designates Metric Conversions

Unit Dimensions

Model No. WA13	Unit Dimensions		
	Width "W" Inches	Length "L" Inches	Height "H" Inches
18, 24	23 5/8 [600]	23 5/8 [600]	24 1/4 [616]
30, 36, 42	27 5/8 [702]	27 5/8 [702]	24 1/4 [616]
48, 60	31 5/8 [803]	31 5/8 [803]	35 15/16 [913]

[ ] Designates Metric Conversions





13 - 14 SEER Single-Stage Air-Conditioners															
Unit Size	**Allowable Liquid Line Size**	**Allowable Suction Line Size**	**Apply Long Line Guidelines if Linear Line Length Exceeds Those Shown Below (Feet)**			**Equivalent Length (Feet)**									
						< 25	**26-50**	**51-75**	**76-100**	**101-125**	**126-150**	**151-175**	**176-200**	**201-225**	**226-250**
			WA13	**WA14 A/B**	**WA14 W**	**Maximum Vertical Rise (Outdoor Unit Below Indoor Unit) * / Capacity Multiplier**									
1.5 Ton **SEE NOTE 3	1/4"	5/8"	**N/A**	**N/A**	**N/A**	25 / 1.00	50 / 0.99	62 / 0.98	43 / 0.98	24 / 0.97	5 / 0.97	**N/R**	**N/R**	**N/R**	**N/R**
	5/16"	5/8"	225	188	190	25 / 1.00	50 / 0.99	75 / 0.98	98 / 0.98	93 / 0.97	88 / 0.97	83 / 0.96	78 / 0.96	73 / 0.95	68 / 0.94
	3/8"	5/8"	150	125	127	25 / 1.00	50 / 0.99	75 / 0.98	100 / 0.98	100 / 0.97	100 / 0.97	100 / 0.96	100 / 0.96	100 / 0.95	100 / 0.94
	1/4"	3/4"**	**N/A**	**N/A**	**N/A**	25 / 1.00	50 / 1.00	62 / 0.99	43 / 0.99	24 / 0.99	5 / 0.99	**N/R**	**N/R**	**N/R**	**N/R**
	5/16"	3/4"**	225	188	190	25 / 1.00	50 / 1.00	75 / 0.99	98 / 0.99	93 / 0.99	88 / 0.99	83 / 0.99	78 / 0.98	73 / 0.98	68 / 0.98
	3/8"	3/4"**	150	125	127	25 / 1.00	50 / 1.00	75 / 1.00	100 / 0.99	100 / 0.99	100 / 0.99	100 / 0.99	100 / 0.98	100 / 0.98	100 / 0.98
2 Ton	1/4"	5/8"	**N/A**	**N/A**	**N/A**	25 / 0.99	50 / 0.98	21 / 0.97	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**
	5/16"	5/8"	223	170	180	25 / 0.99	50 / 0.98	75 / 0.97	87 / 0.96	77 / 0.95	69 / 0.94	61 / 0.93	53 / 0.92	45 / 0.91	37 / 0.90
	3/8"	5/8"	148	113	120	25 / 0.99	50 / 0.98	75 / 0.97	100 / 0.96	100 / 0.95	100 / 0.94	98 / 0.93	95 / 0.92	92 / 0.91	89 / 0.90
	1/4"	3/4"	**N/A**	**N/A**	**N/A**	25 /1.00	50 / 1.00	21 / 0.99	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**
	5/16"	3/4"	223	170	180	25 /1.00	50 / 1.00	75 / 0.99	87 / 0.99	77 / 0.98	69 / 0.98	61 / 0.98	53 / 0.97	45 / 0.97	37 / 0.96
	3/8"	3/4"	148	113	120	25 / 1.00	50 / 1.00	75 / 0.99	100 / 0.99	100 / 0.98	100 / 0.98	98 / 0.98	95 / 0.97	93 / 0.97	90 / 0.96
2.5 Ton	5/16"	5/8"	148	148	113	25 / 0.99	50 / 0.98	75 / 0.96	70 / 0.94	59 / 0.93	48 / 0.91	36 / 0.90	**N/R**	**N/R**	**N/R**
	3/8"	5/8"	98	98	75	25 / 0.99	50 / 0.98	75 / 0.96	100 / 0.94	98 / 0.93	94 / 0.91	90 / 0.90	**N/R**	**N/R**	**N/R**
	5/16"	3/4"	148	148	113	25 / 1.00	50 / 0.99	75 / 0.99	70 / 0.98	59 / 0.98	48 / 0.97	36 / 0.96	25 / 0.96	13 / 0.95	**N/R**
	3/8"	3/4"	98	98	75	25 / 1.00	50 / 0.99	75 / 0.99	100 / 0.98	98 / 0.98	94 / 0.97	90 / 0.96	86 / 0.96	82 / 0.95	78 / 0.95
3 Ton	5/16"	5/8"	**N/A**	88	73	25 / 0.99	50 / 0.97	66 / 0.94	49 / 0.92	32 / 0.90	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**
	3/8"	5/8"	110	58	48	25 / 0.99	50 / 0.97	75 / 0.94	95 / 0.92	89 / 0.90	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**
	5/16"	3/4"	**N/A**	88	73	25 / 1.00	50 / 0.99	66 / 0.98	49 / 0.98	32 / 0.97	15 / 0.96	**N/R**	**N/R**	**N/R**	**N/R**
	3/8"	3/4"	110	58	48	25 / 1.00	50 / 0.99	75 / 0.98	95 / 0.98	89 / 0.97	84 / 0.96	78 / 0.95	72 / 0.94	67 / 0.93	61 / 0.93
	1/2"	3/4"	55	29	24	25 / 1.00	50 / 0.99	75 / 0.98	100 / 0.98	100 / 0.97	100 / 0.96	100 / 0.95	100 / 0.94	100 / 0.93	100 / 0.93
	5/16"	7/8"	**N/A**	88	73	25 / 1.00	50 / 1.00	66 / 1.00	49 / 0.99	32 / 0.99	15 / 0.99	**N/R**	**N/R**	**N/R**	**N/R**
	3/8"	7/8"	110	58	48	25 / 1.00	50 / 1.00	75 / 1.00	95 / 0.99	89 / 0.99	84 / 0.99	78 / 0.98	72 / 0.98	67 / 0.98	61 / 0.97
	1/2"	7/8"	55	29	24	25 / 1.00	50 / 1.00	75 / 1.00	100 / 0.99	100 / 0.99	100 / 0.99	100 / 0.98	100 / 0.98	100 / 0.98	100 / 0.97
3.5 Ton	3/8"	3/4"	148	112	100	25 / 0.99	50 / 0.98	75 / 0.97	88 / 0.96	80 / 0.95	72 / 0.94	65 / 0.92	57 / 0.91	49 / 0.90	**N/R**
	1/2"	3/4"	74	56	50	25 / 0.99	50 / 0.98	75 / 0.97	100 / 0.96	100 / 0.95	100 / 0.94	100 / 0.92	100 / 0.91	100 / 0.90	**N/R**
	3/8"	7/8"	148	112	100	25 / 1.00	50 / 1.00	75 / 0.99	88 / 0.99	80 / 0.99	72 / 0.98	65 / 0.97	57 / 0.97	49 / 0.96	42 / 0.96
	1/2"	7/8"	74	56	50	25 / 1.00	50 / 1.00	75 / 0.99	100 / 0.99	100 / 0.99	100 / 0.98	100 / 0.97	100 / 0.97	100 / 0.96	100 / 0.96

NOTES:

1. Do not exceed 200 ft linear line length.
2. *Do not exceed 100 ft vertical separation if outdoor unit is above indoor unit.
3. **3/4" suction line should only be used for 1.5 ton systems if outdoor unit is below or at same level as indoor to assure proper oil return.
4. Always use the smallest liquid line allowable to minimize refrigerant charge.
5. Applications shaded in light gray indicate capacity multipliers between 0.90 and 0.96 which are not recommended, but are allowed.
6. Applications shaded in dark gray are not recommended due to excessive liquid or suction pressure drop.

13 - 14 SEER Single-Stage Air-Conditioners															
Unit Size	Allowable Liquid Line Size	Allowable Suction Line Size	Apply Long Line Guidelines if Linear Line Length Exceeds Those Shown Below (Feet)			Equivalent Length (Feet)									
						< 25	26-50	51-75	76-100	101-125	126-150	151-175	176-200	201-225	226-250
			WA13	WA14 A/B	WA14 W	Maximum Vertical Rise (Outdoor Unit Below Indoor Unit) * / Capacity Multiplier									
4 Ton	3/8"	3/4"	82	82	0	25 / 0.99	50 / 0.98	75 / 0.96	77 / 0.95	67 / 0.93	57 / 0.92	46 / 0.91	N/R	N/R	N/R
	1/2"	3/4"	41	41	0	25 / 0.99	50 / 0.98	75 / 0.96	100 / 0.95	100 / 0.93	100 / 0.92	100 / 0.91	N/R	N/R	N/R
	3/8"	7/8"	82	82	0	25 / 1.00	50 / 0.99	75 / 0.99	77 / 0.98	67 / 0.97	57 / 0.97	46 / 0.96	36 / 0.96	26 / 0.95	15 / 0.95
	1/2"	7/8"	41	41	0	25 / 1.00	50 / 0.99	75 / 0.99	100 / 0.98	100 / 0.97	100 / 0.97	100 / 0.96	100 / 0.96	99 / 0.95	97 / 0.95
5 Ton	3/8"	3/4"	0	0	0	25 / 0.99	50 / 0.97	75 / 0.94	61 / 0.92	46 / 0.90	N/R	N/R	N/R	N/R	N/R
	1/2"	3/4"	0	0	0	25 / 0.99	50 / 0.97	75 / 0.94	100 / 0.92	100 / 0.90	N/R	N/R	N/R	N/R	N/R
	3/8"	7/8"	0	0	0	25 / 1.00	50 / 0.99	75 / 0.98	61 / 0.97	46 / 0.96	32 / 0.95	18 / 0.94	N/R	N/R	N/R
	1/2"	7/8"	0	0	0	25 / 1.00	50 / 0.99	75 / 0.98	100 / 0.97	100 /0.96	100 / 0.95	97 / 0.94	95 / 0.94	92 / 0.93	89 / 0.92
	3/8"	1-1/8"	0	0	0	25 / 1.01	50 / 1.01	75 / 1.00	61 / 1.00	46 / 0.99	32 / 0.99	18 / 0.99	N/R	N/R	N/R
	1/2"	1-1/8"	0	0	0	25 / 1.01	50 / 1.01	75 / 1.00	100 /1.00	100 / 0.99	100 / 0.99	97 / 0.99	95 / 0.99	92 / 0.99	89 / 0.98

NOTES:
1. Do not exceed 200 ft linear line length.
2. *Do not exceed 100 ft vertical separation if outdoor unit is above indoor unit.
3. **3/4" suction line should only be used for 1.5 ton systems if outdoor unit is below or at same level as indoor to assure proper oil return.
4. Always use the smallest liquid line allowable to minimize refrigerant charge.
5. Applications shaded in light gray indicate capacity multipliers between 0.90 and 0.96 which are not recommended, but are allowed.
6. Applications shaded in dark gray are not recommended due to excessive liquid or suction pressure drop.

13 - 14 SEER Single-Stage Air-Conditioners															
Unit Size	**Allowable Liquid Line Size mm [in.]**	**Allowable Suction Line Size mm [in.]**	**Apply Long Line Guidelines if Linear Line Length Exceeds Those Shown Below (Meters)**			**Equivalent Length (Meters)**									
						< 8	**8-15**	**16-23**	**24-30**	**31-38**	**39-46**	**47-53**	**54-61**	**62-69**	**70-76**
			WA13	**WA14 A/B**	**WA14 W**	**Maximum Vertical Rise (Outdoor Unit Below Indoor Unit) * / Capacity Multiplier**									
5.3 kW [1.5 Ton] ****SEE NOTE 3**	6.35 [1/4]	15.88 [5/8]	**N/A**	**N/A**	**N/A**	8 / 1.00	15 / 0.99	19 / 0.98	13 / 0.98	7 / 0.97	2 / 0.97	**N/R**	**N/R**	**N/R**	**N/R**
	7.94 [5/16]	15.88 [5/8]	69	57	58	8 / 1.00	15 / 0.99	23 / 0.98	30 / 0.98	28 / 0.97	27 / 0.97	25 / 0.96	24 / 0.96	22 / 0.95	21 / 0.94
	9.53 [3/8]	15.88 [5/8]	46	38	39	8 / 1.00	15 / 0.99	23 / 0.98	30 / 0.98	30 / 0.97	30 / 0.97	30 / 0.96	30 / 0.96	30 / 0.95	30 / 0.94
	6.35 [1/4]	19.05 [3/4]**	**N/A**	**N/A**	**N/A**	8 / 1.00	15 / 1.00	19 / 0.99	13 / 0.99	7 / 0.99	2 / 0.99	**N/R**	**N/R**	**N/R**	**N/R**
	7.94 [5/16]	19.05 [3/4]**	69	57	58	8 / 1.00	15 / 1.00	23 / 0.99	30 / 0.99	28 / 0.99	27 / 0.99	25 / 0.99	24 / 0.98	22 / 0.98	21 / 0.98
	9.53 [3/8]	19.05 [3/4]**	46	38	39	8 / 1.00	15 / 1.00	23 / 0.99	30 / 0.99	30 / 0.99	30 / 0.99	30 / 0.99	30 / 0.98	30 / 0.98	30 / 0.98
7.0 kW [2 Ton]	6.35 [1/4]	15.88 [5/8]	**N/A**	**N/A**	**N/A**	8 / 0.99	15 / 0.98	6 / 0.97	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**
	7.94 [5/16]	15.88 [5/8]	68	52	55	8 / 0.99	15 / 0.98	23 / 0.97	27 / 0.96	23 / 0.95	21 / 0.94	19 / 0.93	16 / 0.92	14 / 0.91	11 / 0.90
	9.53 [3/8]	15.88 [5/8]	45	35	37	8 / 0.99	15 / 0.98	23 / 0.97	30 / 0.96	30 / 0.95	30 / 0.94	30 / 0.93	29 / 0.92	28 / 0.91	27 / 0.90
	6.35 [1/4]	19.05 [3/4]	**N/A**	**N/A**	**N/A**	8 / 1.00	15 / 1.00	6 / 0.99	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**
	7.94 [5/16]	19.05 [3/4]	68	52	55	8 / 1.00	15 / 1.00	23 / 0.99	27 / 0.99	23 / 0.98	21 / 0.98	19 / 0.98	16 / 0.97	14 / 0.97	11 / 0.96
	9.53 [3/8]	19.05 [3/4]	45	35	37	8 / 1.00	15 / 1.00	23 / 0.99	30 / 0.99	30 / 0.98	30 / 0.98	30 / 0.98	29 / 0.97	28 / 0.97	27 / 0.96
8.8 kW [2.5 Ton]	7.94 [5/16]	15.88 [5/8]	45	45	34	8 / 0.99	15 / 0.98	23 / 0.96	21 / 0.94	18 / 0.93	15 / 0.91	11 / 0.90	**N/R**	**N/R**	**N/R**
	9.53 [3/8]	15.88 [5/8]	30	30	23	8 / 0.99	15 / 0.98	23 / 0.96	30 / 0.94	30 / 0.93	29 / 0.91	27 / 0.90	**N/R**	**N/R**	**N/R**
	7.94 [5/16]	19.05 [3/4]	45	45	34	8 / 1.00	15 / 0.99	23 / 0.99	21 / 0.98	18 / 0.98	15 / 0.97	11 / 0.96	8 / 0.96	4 / 0.95	**N/R**
	9.53 [3/8]	19.05 [3/4]	30	30	23	8 / 1.00	15 / 0.99	23 / 0.99	30 / 0.98	30 / 0.98	29 / 0.97	27 / 0.96	26 / 0.96	25 / 0.95	24 / 0.95
10.6kW [3 Ton]	7.94 [5/16]	15.88 [5/8]	**N/A**	27	22	8 / 0.99	15 / 0.97	20 / 0.94	15 / 0.92	10 / 0.90	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**
	9.53 [3/8]	15.88 [5/8]	34	18	15	8 / 0.99	15 / 0.97	23 / 0.94	29 / 0.92	27 / 0.90	**N/R**	**N/R**	**N/R**	**N/R**	**N/R**
	7.94 [5/16]	19.05 [3/4]	**N/A**	27	22	8 / 1.00	15 / 0.99	20 / 0.98	15 / 0.98	10 / 0.97	5 / 0.96	**N/R**	**N/R**	**N/R**	**N/R**
	9.53 [3/8]	19.05 [3/4]	34	18	15	8 / 1.00	15 / 0.99	23 / 0.98	29 / 0.98	27 / 0.97	26 / 0.96	24 / 0.95	22 / 0.94	20 / 0.93	19 / 0.93
	12.7 [1/2]	19.05 [3/4]	17	9	7	8 / 1.00	15 / 0.99	23 / 0.98	30 / 0.98	30 / 0.97	30 / 0.96	30 / 0.95	30 / 0.94	30 / 0.93	30 / 0.93
	7.94 [5/16]	22.23 [7/8]	**N/A**	27	22	8 / 1.00	15 / 1.00	20 / 1.00	15 / 0.99	10 / 0.99	5 / 0.99	**N/R**	**N/R**	**N/R**	**N/R**
	9.53 [3/8]	22.23 [7/8]	34	18	15	8 / 1.00	15 / 1.00	23 / 1.00	29 / 0.99	27 / 0.99	26 / 0.99	24 / 0.98	22 / 0.98	20 / 0.98	19 / 0.97
	12.7 [1/2]	22.23 [7/8]	17	9	7	8 / 1.00	15 / 1.00	23 / 1.00	30 / 0.99	30 / 0.99	30 / 0.99	30 / 0.98	30 / 0.98	30 / 0.98	30 / 0.97
12.3 kW [3.5 Ton]	9.53 [3/8]	19.05 [3/4]	45	34	30	8 / 0.99	15 / 0.98	23 / 0.97	27 / 0.96	24 / 0.95	22 / 0.94	20 / 0.92	17 / 0.91	15 / 0.90	**N/R**
	12.7 [1/2]	19.05 [3/4]	23	17	15	8 / 0.99	15 / 0.98	23 / 0.97	30 / 0.96	30 / 0.95	30 / 0.94	30 / 0.92	30 / 0.91	30 / 0.90	**N/R**
	9.53 [3/8]	22.23 [7/8]	45	34	30	8 / 1.00	15 / 1.00	23 / 0.99	27 / 0.99	24 / 0.99	22 / 0.98	20 / 0.97	17 / 0.97	15 / 0.96	13 / 0.96
	12.7 [1/2]	22.23 [7/8]	23	17	15	8 / 1.00	15 / 1.00	23 / 0.99	30 / 0.99	30 / 0.99	30 / 0.98	30 / 0.97	30 / 0.97	30 / 0.96	30 / 0.96

NOTES:

1. Do not exceed 61 meters linear line length.
2. *Do not exceed 30 meters vertical separation if outdoor unit is above indoor unit.
3. **19.05 mm [3/4 in.] suction line should only be used for 1.5 ton systems if outdoor unit is below or at same level as indoor to assure proper oil return.
4. Always use the smallest liquid line allowable to minimize refrigerant charge.
5. Applications shaded in light gray indicate capacity multipliers between 0.90 and 0.96 which are not recommended, but are allowed.
6. Applications shaded in dark gray are not recommended due to excessive liquid or suction pressure drop.

13 - 14 SEER Single-Stage Air-Conditioners															
Unit Size	Allowable Liquid Line Size mm [in.]	Allowable Suction Line Size mm [in.]	Apply Long Line Guidelines if Linear Line Length Exceeds Those Shown Below (Meters)			Equivalent Length (Meters)									
						< 8	8-15	16-23	24-30	31-38	39-46	47-53	54-61	62-69	70-76
			WA13	WA14 A/B	WA14 W	Maximum Vertical Rise (Outdoor Unit Below Indoor Unit) * / Capacity Multiplier									
14.1 kW [4 Ton]	9.53 [3/8]	19.05 [3/4]	25	25	0	8 / 0.99	15 / 0.98	23 / 0.96	24 / 0.95	20 / 0.93	17 / 0.92	14 / 0.91	N/R	N/R	N/R
	12.70 [1/2]	19.05 [3/4]	12	12	0	8 / 0.99	15 / 0.98	23 / 0.96	30 / 0.95	30 / 0.93	30 / 0.92	30 / 0.91	N/R	N/R	N/R
	9.53 [3/8]	22.23 [7/8]	25	25	0	8 / 1.00	15 / 0.99	23 / 0.99	24 / 0.98	20 / 0.97	17 / 0.97	14 / 0.96	11 / 0.96	8 / 0.95	5 / 0.95
	12.70 [1/2]	22.23 [7/8]	12	12	0	8 / 1.00	15 / 0.99	23 / 0.99	30 / 0.98	30 / 0.97	30 / 0.97	30 / 0.96	30 / 0.96	30 / 0.95	30 / 0.95
17.6 kW [5 Ton]	9.53 [3/8]	19.05 [3/4]	0	0	0	8 / 0.99	15 / 0.97	23 / 0.94	19 / 0.92	14 / 0.90	N/R	N/R	N/R	N/R	N/R
	12.70 [1/2]	19.05 [3/4]	0	0	0	8 / 0.99	15 / 0.97	23 / 0.94	30 / 0.92	30 / 0.90	N/R	N/R	N/R	N/R	N/R
	9.53 [3/8]	22.23 [7/8]	0	0	0	8 / 1.00	15 / 0.99	23 / 0.98	19 / 0.97	14 / 0.96	10 / 0.95	5 / 0.94	N/R	N/R	N/R
	12.70 [1/2]	22.23 [7/8]	0	0	0	8 / 1.00	15 / 0.99	23 / 0.98	30 / 0.97	30 /0.96	30 / 0.95	30 / 0.94	29 / 0.94	28 / 0.93	27 / 0.92
	9.53 [3/8]	28.58 [1-1/8]	0	0	0	8 / 1.01	15 / 1.01	23 / 1.00	19 / 1.00	14 / 0.99	10 / 0.99	5 / 0.99	N/R	N/R	N/R
	12.70 [1/2]	28.58 [1-1/8]	0	0	0	8 / 1.01	15 / 1.01	23 / 1.00	30 / 1.00	30 / 0.99	30 / 0.99	30 / 0.99	29 / 0.99	28 / 0.99	27 / 0.98

NOTES:
1. Do not exceed 61 meters linear line length.
2. *Do not exceed 30 meters vertical separation if outdoor unit is above indoor unit.
3. **19.05 mm [3/4 in.] suction line should only be used for 1.5 ton systems if outdoor unit is below or at same level as indoor to assure proper oil return.
4. Always use the smallest liquid line allowable to minimize refrigerant charge.
5. Applications shaded in light gray indicate capacity multipliers between 0.90 and 0.96 which are not recommended, but are allowed.
6. Applications shaded in dark gray are not recommended due to excessive liquid or suction pressure drop.

Performance Data @ AHRI Standard Conditions—Cooling

Note: Ratings contained in this document are subject to change. For up-to-date and expanded ratings, please visit the AHRI web site (www.ahridirectory.org).

Designated Tested Combination (DTC)							
Outdoor Unit	Indoor Coil or Air Handler	Total Capacity BTU/H [kW]	Net Sensible BTU/H [kW]	Net Latent BTU/H [kW]	SEER	EER	Indoor CFM [L/s]
WA1330BJ1	FCC3617TSA	27400 [8.0]	20300 [5.9]	7100 [2.1]	13.00	10.50	975 [460.1]
WA1348BC1	FCC4821TSA	47500 [13.9]	34400 [10.1]	13100 [3.8]	13.00	11.00	1550 [731.5]

[ ] Designates Metric Conversions

GENERAL TERMS OF LIMITED WARRANTY*

Fujitsu General America, Inc. will furnish a replacement for any part of this product which fails in normal use and service within the applicable period stated, in accordance with the terms of the limited warranty.

***For complete details of the Limited and Conditional Warranties, including applicable terms and conditions, contact your local contractor or the Manufacturer for a copy of the product warranty certificate.**

Parts.....Five (5) Years

Before proceeding with installation, refer to installation instructions packaged with each model, as well as complying with all Federal, State, Provincial, and Local codes, regulations, and practices.

"In keeping with its policy of continuous progress and product improvement, the right is reserved to make changes without notice."

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