MAINLINE®
Reliably Comfortable.™

Elite® Series iM Air Conditioners



MLA13NY

Cooling Efficiency: 13.4 SEER2 / 9 EER2
Nominal Sizes: 1.5 to 5 Tons [5.3 to 17.6 kW]
Cooling Capacities: 17.1 to 55.5 kBTU [5.0 to 16.3 kW]
Refrigerant Type: R-454B

Manufactured for
Mainline®
HVACmainline.com

ISO 9001:2015

c UL us LISTED

AHRI CERTIFIED
www.ahridirectory.org
Unitary Small AC
AHRI Standard 210/240

ENERGUIDE
Seasonal Energy Efficiency Ratio (SEER)
THIS MODEL 13.4
13.0 — Uses least energy → 21.0

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Features and Benefits

- **7mm Condenser Copper Coil[1]:** Requires less refrigerant allowing for a smaller and lighter footprint while enhancing reliability
- **Expanded Valve Space:** 3 in. – 4 in. – 5 in. service valve space – provides a minimum working area of 27-square inches for easier access
- **Triple Service Access:** 15 in. wide, industry leading corner service access and two fastener, removeable corner – makes repairs easier and faster
- **Designing for Sustainability with Low GWP:** For 2025, the Environmental Protection Agency (EPA) has set a global warming potential (GWP) limit of 700 for refrigerant used in heating and cooling systems. This new requirement will result in a 78%[2] lower GWP than previous-generation refrigerants — with only minimal changes to system installation. For us, this is another step toward our continued sustainability goal of reducing greenhouse gas emissions, while still delivering an exceptional level of energy efficient, dependable comfort
- **Refrigerant Detection System[3]:** An integrated one-box, patented design featuring the A2L sensor and mitigation board, offering easier commissioning with a single component and simplified wiring configuration, compatibility with any 24V thermostat application and system protection by automatically pausing outdoor unit operation — if excess refrigerant is detected

[1]5 ton models feature a 3/8 in. condenser coil

[2]When comparing the GWP of R-454B to R-410A refrigerant

[3]Factory or field installed in the furnace coil or air handler and is applicable to the complete heating and cooling system featuring Low GWP Refrigerant (A2L)

Air Conditioners

ML	A	13	N	Y	24	A	J	1	N	A	LHP*
Brand	**Product Category**	**SEER2**	**Region**	**Refrigerant**	**Capacity BTU/HR**	**Major Series**	**Voltage**	**Type**	**Controls**	**Minor Series**	**Option Code**
ML - Mainline	A - Air Conditioners	13 - 13.4 SEER2	N - North	Y - R-454B	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 - 208/230/60 C - 3ph, 208/230/60 D - 3ph, 460/60	1 - Single Stage	N - Non-Communicating	A - 1st Design	LHP - W/HLPC

*LHP Pressure switches are standard on 3 Phase models

[ ] Designates Metric Conversions

Available Models	Description
MLA13NY18AJ1NA	1 1/2 ton 13.4 SEER2 Single-Stage iM Air Conditioner-208/230/1/60
MLA13NY18AJ1NALHP	1 1/2 ton 13.4 SEER2 Single-Stage iM Air Conditioner w/ High/Low Pressure-208/230/1/60
MLA13NY24AJ1NA	2 ton 13.4 SEER2 Single-Stage iM Air Conditioner-208/230/1/60
MLA13NY24AJ1NALHP	2 ton 13.4 SEER2 Single-Stage iM Air Conditioner w/ High/Low Pressure-208/230/1/60
MLA13NY30AJ1NA	2 1/2 ton 13.4 SEER2 Single-Stage iM Air Conditioner-208/230/1/60
MLA13NY30AJ1NALHP	2 1/2 ton 13.4 SEER2 Single-Stage iM Air Conditioner w/ High/Low Pressure-208/230/1/60
MLA13NY36AJ1NA	3 ton 13.4 SEER2 Single-Stage iM Air Conditioner-208/230/1/60
MLA13NY36AJ1NALHP	3 ton 13.4 SEER2 Single-Stage iM Air Conditioner w/ High/Low Pressure-208/230/1/60
MLA13NY36AC1NA	3 ton 13.4 SEER2 Single-Stage iM Air Conditioner-208/230/3/60
MLA13NY36AD1NA	3 ton 13.4 SEER2 Single-Stage iM Air Conditioner-460/3/60
MLA13NY42AJ1NA	3 1/2 ton 13.4 SEER2 Single-Stage iM Air Conditioner-208/230/1/60
MLA13NY42AJ1NALHP	3 1/2 ton 13.4 SEER2 Single-Stage iM Air Conditioner w/ High/Low Pressure-208/230/1/60
MLA13NY42AC1NA	3 1/2 ton 13.4 SEER2 Single-Stage iM Air Conditioner-208/230/3/60
MLA13NY42AD1NA	3 1/2 ton 13.4 SEER2 Single-Stage iM Air Conditioner-460/3/60
MLA13NY48AJ1NA	4 ton 13.4 SEER2 Single-Stage iM Air Conditioner-208/230/1/60
MLA13NY48AJ1NALHP	4 ton 13.4 SEER2 Single-Stage iM Air Conditioner w/ High/Low Pressure-208/230/1/60
MLA13NY48AC1NA	4 ton 13.4 SEER2 Single-Stage iM Air Conditioner -208/230/3/60
MLA13NY48AD1NA	4 ton 13.4 SEER2 Single-Stage iM Air Conditioner-460/3/60
MLA13NY60AJ1NA	5 ton 13.4 SEER2 Single-Stage iM Air Conditioner-208/230/1/60
MLA13NY60AJ1NALHP	5 ton 13.4 SEER2 Single-Stage iM Air Conditioner w/ High/Low Pressure-208/230/1/60
MLA13NY60AC1NA	5 ton 13.4 SEER2 Single-Stage iM Air Conditioner-208/230/3/60
MLA13NY60AD1NA	5 ton 13.4 SEER2 Single-Stage iM Air Conditioner-460/3/60

Standard Equipment	
R-454B Refrigerant	2 Screw Control Box Access
Scroll Compressor	15" Access to Internal Components
Field Installed Filter Drier	No fasteners to remove along bottom
Front Seating Service Valves	Optimized Venturi Airflow
Internal Pressure Relief Valve	Powder coated paint
Internal Thermal Overload	Rust resistant screws
Long Line capability	QR code
Low Ambient capability with Kit	External gauge ports
3-4-5 Expanded Valve Space	Service trays
Composite Basepan	

General Data

Model No.	MLA13NY18A	MLA13NY24A	MLA13NY30A	MLA13NY36A	MLA13NY42A	MLA13NY48A	MLA13NY60A
Nominal Tonnage	1.5	2.0	2.5	3.0	3.5	4.0	5.0
Valve Connections							
Liquid Line O.D. – in.	3/8	3/8	3/8	3/8	3/8	3/8	3/8
Suction Line O.D. – in.	3/4	3/4	3/4	3/4	7/8	7/8	7/8
Refrigerant (R-454B) furnished oz.[1]	64	72	73	108	112	103	176
Compressor Type	Scroll						
Outdoor Coil							
Net face area – Outer Coil	10.9	10.9	13.3	13.3	14.3	23.5	28.4
Net face area – Inner Coil	—	—	—	12.9	13.9	—	—
Tube diameter – in.	0.276	0.276	0.276	0.276	0.276	0.276	0.375
Number of rows	1	1	1	2	2	1	1
Fins per inch	24	24	24	24	24	24	22
Outdoor Fan							
Diameter – in.	20	20	24	24	24	26	26
Number of blades	2	2	3	3	2	3	3
Motor hp	1/7	1/7	1/6	1/6	1/5	1/5	1/5
CFM	1765	1765	3146	2760	2758	4264	4189
RPM	1075	1075	825	825	825	850	850
Watts	154	154	197	188	145	203	204
Shipping weight – lbs.	148	148	170	193	224	251	279
Operating weight – lbs.	141	141	163	186	217	244	272

Electrical Data

Line Voltage Data (Volts-Phase-Hz)	208/230-1-60	208/230-1-60	208/230-1-60	208/230-1-60	208/230-1-60	208/230-1-60	208/230-1-60
Maximum overcurrent protection (amps)[2]	15	20	25	35	35	50	50
Minimum circuit ampacity[3]	12	14	17	22	23	30	31
Compressor							
Rated load amps	8.0	10.3	12.7	16.7	17.3	22.4	23.7
Locked rotor amps	41.5	60	76	94	123	126	157
Condenser Fan Motor							
Full load amps	0.8	0.8	0.8	0.8	0.8	1.0	1.0
Locked rotor amps	1.50	1.50	1.50	1.50	1.50	2.40	2.40
Line Voltage Data (Volts-Phase-Hz)	—	—	—	208/230-3-60	208/230-3-60	208/230-3-60	208/230-3-60
Maximum overcurrent protection (amps)[2]	—	—	—	25.0	25.0	25.0	35.0
Minimum circuit ampacity[3]	—	—	—	17.0	17.0	18.0	22.0
Compressor							
Rated load amps	—	—	—	12.2	12.8	12.8	16.0
Locked rotor amps	—	—	—	97.5	102.8	123.0	156.4
Condenser Fan Motor							
Full load amps	—	—	—	0.9	0.9	1.0	1.0
Locked rotor amps	—	—	—	1.7	1.7	2.6	2.6
Line Voltage Data (Volts-Phase-Hz)	—	—	—	460-3-60	460-3-60	460-3-60	460-3-60
Maximum overcurrent protection (amps)[2]	—	—	—	15.0	15.0	15.0	15.0
Minimum circuit ampacity[3]	—	—	—	8.0	8.0	9.0	10.0
Compressor							
Rated load amps	—	—	—	5.8	5.8	6.3	7.1
Locked rotor amps	—	—	—	44.3	50.0	60.0	69.0
Condenser Fan Motor							
Full load amps	—	—	—	0.50	0.50	0.80	0.80
Locked rotor amps	—	—	—	0.90	0.90	1.40	1.40

[1]Refrigerant charge sufficient for 15 ft. length of refrigerant lines. For longer line set requirements see the installation instructions for information about set length and additional refrigerant charge required.
[2]HACR type circuit breaker of fuse.
[3]Refer to National Electrical Code manual to determine wire, fuse and disconnect size requirements.

Accessories

Model No.		MLA13NY18A	MLA13NY24A	MLA13NY30A	MLA13NY36A	MLA13NY42A	MLA13NY48A	MLA13NY60A
Compressor crankcase heater*		44-17402-44	44-17402-44	44-17402-44	44-17402-44	44-17402-45	44-17402-45	Factory Standard
Low ambient control		RXAD-A08	RXAD-A08	RXAD-A08	RXAD-A08	RXAD-A08	RXAD-A08	RXAD-A08
Compressor sound cover		68-23427-26	68-23427-26	68-23427-26	68-23427-26	68-23427-25	68-23427-25	68-23427-25
Compressor hard start kit		SK-A1	SK-A1	SK-A1	SK-A1	SK-A1	SK-A1	SK-A1
Compressor time delay		RXMD-B01	RXMD-B02	RXMD-B03	RXMD-B04	RXMD-B05	RXMD-B06	RXMD-B07
Low pressure control		RXAC-A07	RXAC-A08	RXAC-A09	RXAC-A10	RXAC-A11	RXAC-A12	RXAC-A13
High pressure control		RXAB-A07	RXAB-A08	RXAB-A09	RXAB-A10	RXAB-A11	RXAB-A12	RXAB-A13
Liquid Line Solenoid (24 VAC, 50/60 Hz)	Solenoid Valve	200RD2T3TVLC	200RD2T3TVLC	200RD2T3TVLC	200RD2T3TVLC	200RD2T3TVLC	200RD3T3TVLC	200RD3T3TVLC
	Solenoid Coil	61-AMG24V	61-AMG24V	61-AMG24V	61-AMG24V	61-AMG24V	61-AMG24V	61-AMG24V
Liquid Line Solenoid (120/240 VAC, 50/60 Hz)	Solenoid Valve	200RD2T3TVLC	200RD2T3TVLC	200RD2T3TVLC	200RD2T3TVLC	200RD2T3TVLC	200RD3T3TVLC	200RD3T3TVLC
	Solenoid Coil	61-AMG120/240V	61-AMG120/240V	61-AMG120/240V	61-AMG120/240V	61-AMG120/240V	61-AMG120/240V	61-AMG120/240V

*Crankcase Heater recommended with Low Ambient Kit.

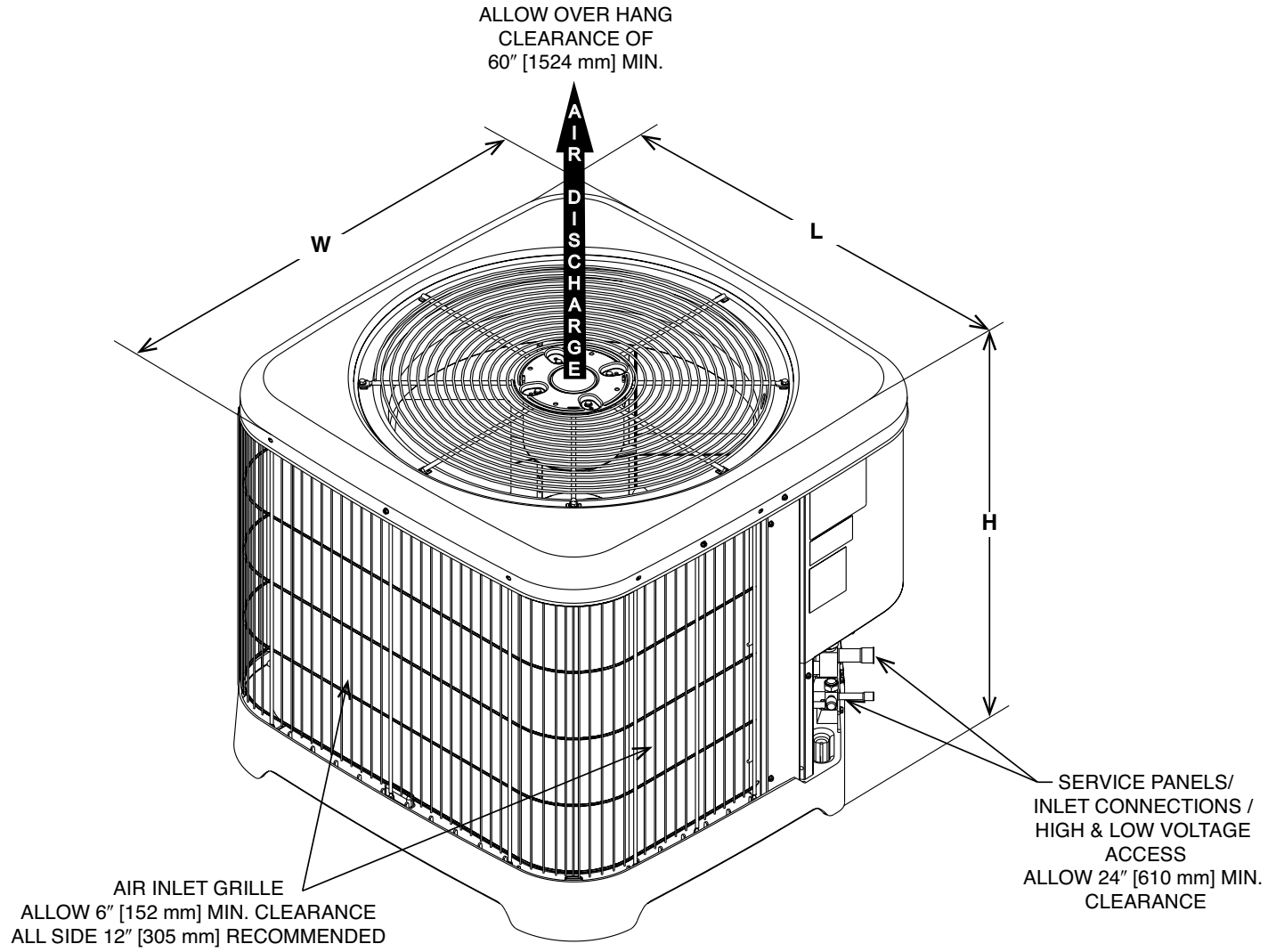
Weighted Sound Power Level (dBA)

Unit Size - Voltage, Series	Standard Rating (dBA)	TYPICAL OCTAVE BAND SPECTRUM (dBA without tone adjustment)						
		125	250	500	1000	2000	4000	8000
MLA13NY18A	70	46.7	55.0	60.8	59.9	58.2	53.4	46.9
MLA13NY24A	70	46.3	58.4	62.7	59.0	58.0	52.4	47.3
MLA13NY30A	71	47.0	62.4	62.6	59.3	57.2	55.7	47.1
MLA13NY36A	71	45.5	58.4	63.9	59.2	56.6	52.1	47.7
MLA13NY42A	68	46.4	53.7	59.7	59.9	55.3	54.0	50.3
MLA13NY48A	71	49.2	56.0	62.3	59.5	57.9	49.9	40.7
MLA13NY60A	76	49.1	58.7	68.7	65.2	63.5	60.1	55.7

NOTE: Tested in accordance with AHRI Standard 270-08 (not listed in AHRI)

Unit Dimensions

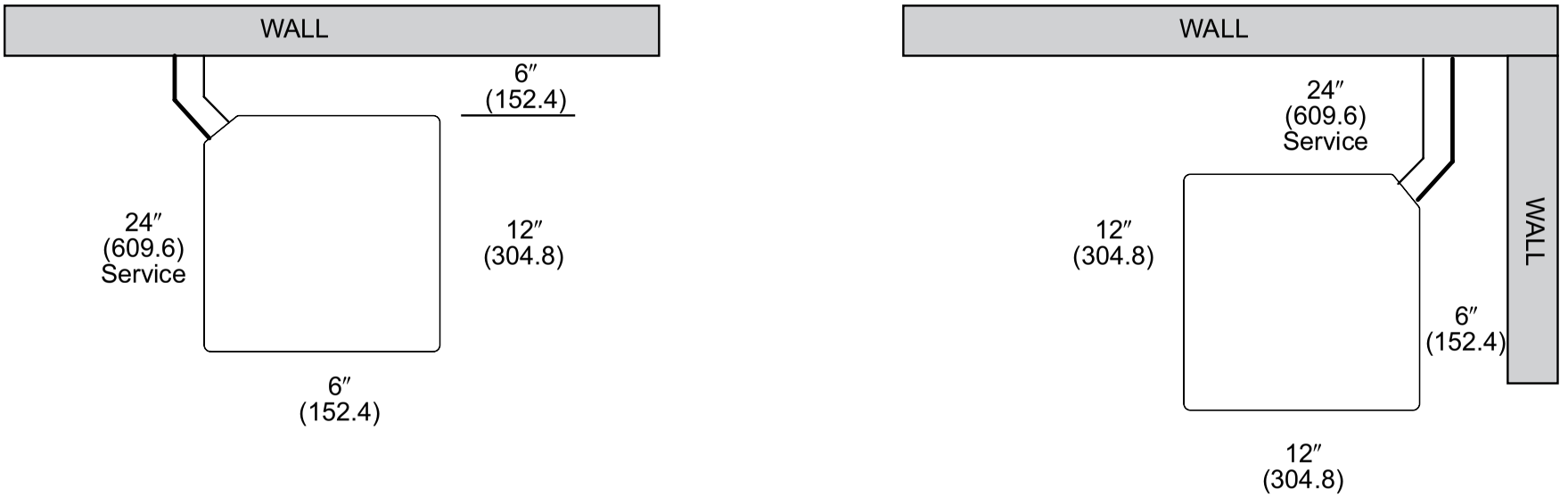
Model No.	OPERATING						SHIPPING					
	H (Height)		L (Length)		W (Width)		H (Height)		L (Length)		W (Width)	
	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm
MLA13NY18A	25.00	635	29.75	756	29.75	756	26.50	673	32.38	822	32.38	822
MLA13NY24A	25.00	635	29.75	756	29.75	756	26.50	673	32.38	822	32.38	822
MLA13NY30A	25.00	635	33.75	857	33.75	857	26.50	673	36.38	924	36.38	924
MLA13NY36A	25.00	635	33.75	857	33.75	857	26.50	673	36.38	924	36.38	924
MLA13NY42A	27.00	686	33.75	857	33.75	857	28.50	724	36.38	924	36.38	924
MLA13NY48A	39.00	991	35.75	908	35.75	908	40.50	1029	38.38	975	38.38	975
MLA13NY60A	45.00	1143	35.75	908	35.75	908	46.50	1181	38.38	975	38.38	975



[ ] Designates Metric Conversions

ST-A1226-24-00

CLEARANCES



NOTE: NUMBERS IN () = mm

IMPORTANT: When installing multiple units in an alcove, roof well or partially enclosed area, ensure there is adequate ventillation to prevent re-circulation of discharge air.

Refrigerant Line Size Information

13.4/14.3 SEER2 AC R-454B											
Unit Size	Allowable Liquid Line Size	Allowable Suction Line Size	Equivalent Length (Feet)								
			0-25	26-50	51-75	76-100	101-125	126-150	151-175	176-200	201-225	226-250
			Maximum Vertical Rise (Outdoor Unit Below Indoor Unit) * / Capacity Multiplier									
1.5 Ton	1/4"	5/8"	25/1	50/0.99	61/0.99	41/0.98	21/0.98	1/0.98	0/0.98	0/0.98	0/0.97	0/0.97
	5/16"	5/8"	25/1	50/0.99	75/0.99	100/0.98	98/0.98	93/0.98	87/0.98	82/0.98	78/0.97	75/0.97
	3/8"	5/8"	25/1	50/0.99	75/0.99	100/0.98	117/0.98	115/0.98	114/0.98	112/0.98	111/0.97	110/0.97
	1/4"	3/4"	25/1	50/1	61/1	41/0.99	21/0.99	1/0.99	0/0.99	0/0.99	0/0.99	0/0.98
	5/16"	3/4"	25/1	50/1	75/1	100/0.99	98/0.99	93/0.99	87/0.99	82/0.99	78/0.99	75/0.98
	3/8"	3/4"	25/1	50/1	75/1	100/0.99	117/0.99	115/0.99	114/0.99	112/0.99	111/0.99	110/0.98
2 Ton	1/4"	5/8"	25/1	50/0.99	25/0.98	0/0.98	0/0.98	0/0.97	0/0.96	0/0.97	0/0.96	0/0.95
	5/16"	5/8"	25/1	50/0.99	75/0.98	88/0.98	79/0.98	70/0.97	62/0.96	53/0.97	46/0.96	40/0.95
	3/8"	5/8"	25/1	50/0.99	75/0.98	100/0.98	109/0.98	106/0.97	103/0.96	100/0.97	97/0.96	94/0.95
	1/4"	3/4"	25/1	50/1	25/0.99	0/0.99	0/0.99	0/0.98	0/0.98	0/0.99	0/0.99	0/0.98
	5/16"	3/4"	25/1	50/1	75/0.99	88/0.99	79/0.99	70/0.98	62/0.98	53/0.99	46/0.99	40/0.98
	3/8"	3/4"	25/1	50/1	75/0.99	100/0.99	109/0.99	106/0.98	103/0.98	100/0.99	97/0.99	94/0.98
2.5 Ton	5/16"	5/8"	25/0.99	50/0.98	75/0.98	69/0.97	56/0.98	43/0.96	30/0.94	17/0.93	6/0.92	0/0.93
	3/8"	5/8"	25/0.99	50/0.98	75/0.98	100/0.97	101/0.98	96/0.96	92/0.94	87/0.93	83/0.92	78/0.93
	5/16"	3/4"	25/1	50/0.99	75/0.99	69/0.98	56/0.98	43/0.99	30/0.98	17/0.98	6/0.97	0/0.97
	3/8"	3/4"	25/1	50/0.99	75/0.99	100/0.98	101/0.98	96/0.99	92/0.98	87/0.98	83/0.97	78/0.97
3 Ton	5/16"	5/8"	25/0.99	50/0.98	65/0.97	47/0.97	28/0.94	11/0.93	0/0.92	0/0.91	0/0.9	0/0.9
	3/8"	5/8"	25/0.99	50/0.98	75/0.97	97/0.97	91/0.94	85/0.93	78/0.92	72/0.91	66/0.9	60/0.9
	5/16"	3/4"	25/1	50/0.99	65/0.98	47/0.99	28/0.98	11/0.98	0/0.97	0/0.96	0/0.96	0/0.98
	3/8"	3/4"	25/1	50/0.99	75/0.98	97/0.99	91/0.98	85/0.98	78/0.97	72/0.96	66/0.96	60/0.98
	1/2"	3/4"	25/1	50/0.99	75/0.98	100/0.99	118/0.98	117/0.98	115/0.97	115/0.96	114/0.96	112/0.98
	5/16"	7/8"	25/1	50/1	65/0.99	47/0.99	28/0.99	11/0.98	0/0.98	0/0.99	0/0.99	0/0.99
	3/8"	7/8"	25/1	50/1	75/0.99	97/0.99	91/0.99	85/0.98	78/0.98	72/0.99	66/0.99	60/0.99
	1/2"	7/8"	25/1	50/1	75/0.99	100/0.99	118/0.99	117/0.98	115/0.98	115/0.99	114/0.99	112/0.99
3.5 Ton	3/8"	3/4"	25/0.99	50/0.99	75/0.99	88/0.98	80/0.97	72/0.96	64/0.98	55/0.96	47/0.95	39/0.95
	1/2"	3/4"	25/0.99	50/0.99	75/0.99	100/0.98	116/0.97	114/0.96	112/0.98	111/0.96	109/0.95	108/0.95
	3/8"	7/8"	25/1	50/0.99	75/0.99	88/0.99	80/0.98	72/0.99	64/0.99	55/0.98	47/0.98	39/0.98
	1/2"	7/8"	25/1	50/0.99	75/0.99	100/0.99	116/0.98	114/0.99	112/0.99	111/0.98	109/0.98	108/0.98
4 Ton	3/8"	3/4"	25/0.99	50/0.98	75/0.98	78/0.97	68/0.96	57/0.97	46/0.95	36/0.94	25/0.93	15/0.93
	1/2"	3/4"	25/0.99	50/0.98	75/0.98	100/0.97	113/0.96	111/0.97	109/0.95	107/0.94	105/0.93	104/0.93
	3/8"	7/8"	25/1	50/0.99	75/0.99	78/0.98	68/0.99	57/0.98	46/0.98	36/0.98	25/0.97	15/0.97
	1/2"	7/8"	25/1	50/0.99	75/0.99	100/0.98	113/0.99	111/0.98	109/0.98	107/0.98	105/0.97	104/0.97
5 Ton	3/8"	3/4"	25/0.99	50/0.98	70/0.97	54/0.97	38/0.94	22/0.93	6/0.92	0/0.9	0/0.89	0/0.89
	1/2"	3/4"	25/0.99	50/0.98	75/0.97	100/0.97	107/0.94	104/0.93	101/0.92	97/0.9	95/0.89	93/0.89
	3/8"	7/8"	25/0.99	50/0.99	70/0.98	54/0.98	38/0.98	22/0.97	6/0.96	0/0.98	0/0.97	0/0.96
	1/2"	7/8"	25/0.99	50/0.99	75/0.98	100/0.98	107/0.98	104/0.97	101/0.96	97/0.98	95/0.97	93/0.96
	3/8"	1-1/8"	25/1	50/1	70/1	54/0.99	38/0.99	22/0.99	6/0.99	0/0.99	0/0.99	0/0.98
	1/2"	1-1/8"	25/1	50/1	75/1	100/0.99	107/0.99	104/0.99	101/0.99	97/0.99	95/0.99	93/0.98

NOTES:

Maximum Equivalent Line Length may not exceed 250'.

Maximum Actual Line Length may not exceed 200'.

Light Grey shaded areas are considered long line and may require accessories as recommended in Long Line Set Guide.

DO NOT use suction line traps in the suction riser as this adds additional unwanted pressure drop in the system.

Refrigerant Line Size Information (Con't.)

13.4/14.3 SEER2 AC R-454B											
Unit Size	Allowable Liquid Line Size mm [in.]	Allowable Suction Line Size mm [in.]	Equivalent Length (Meters)								
			0-7.6	7.9-15.2	15.5-22.9	23.2-30.5	30.8-38.1	38.4-45.7	46-53.3	53.6-61	61.3-68.6	68.9-76.2
			Maximum Vertical Rise (Outdoor Unit Below Indoor Unit) * / Capacity Multiplier									
5.3 KW [1.5 Ton]	6.35 [1/4]	15.88 [5/8]	8/1	15/0.99	19/0.99	12/0.98	6/0.98	0/0.98	0/0.98	0/0.98	0/0.97	0/0.97
	7.94 [5/16]	15.88 [5/8]	8/1	15/0.99	23/0.99	30/0.98	30/0.98	28/0.98	27/0.98	25/0.98	24/0.97	23/0.97
	9.53 [3/8]	15.88 [5/8]	8/1	15/0.99	23/0.99	30/0.98	36/0.98	35/0.98	35/0.98	34/0.98	34/0.97	34/0.97
	6.35 [1/4]	19.05 [3/4]	8/1	15/1	19/1	12/0.99	6/0.99	0/0.99	0/0.99	0/0.99	0/0.99	0/0.98
	7.94 [5/16]	19.05 [3/4]	8/1	15/1	23/1	30/0.99	30/0.99	28/0.99	27/0.99	25/0.99	24/0.99	23/0.98
	9.53 [3/8]	19.05 [3/4]	8/1	15/1	23/1	30/0.99	36/0.99	35/0.99	35/0.99	34/0.99	34/0.99	34/0.98
7.0 KW [2 Ton]	6.35 [1/4]	15.88 [5/8]	8/1	15/0.99	8/0.98	0/0.98	0/0.98	0/0.97	0/0.96	0/0.97	0/0.96	0/0.95
	7.94 [5/16]	15.88 [5/8]	8/1	15/0.99	23/0.98	27/0.98	24/0.98	21/0.97	19/0.96	16/0.97	14/0.96	12/0.95
	9.53 [3/8]	15.88 [5/8]	8/1	15/0.99	23/0.98	30/0.98	33/0.98	32/0.97	31/0.96	30/0.97	30/0.96	29/0.95
	6.35 [1/4]	19.05 [3/4]	8/1	15/1	8/0.99	0/0.99	0/0.99	0/0.98	0/0.98	0/0.99	0/0.99	0/0.98
	7.94 [5/16]	19.05 [3/4]	8/1	15/1	23/0.99	27/0.99	24/0.99	21/0.98	19/0.98	16/0.99	14/0.99	12/0.98
	9.53 [3/8]	19.05 [3/4]	8/1	15/1	23/0.99	30/0.99	33/0.99	32/0.98	31/0.98	30/0.99	30/0.99	29/0.98
8.8 KW [2.5 Ton]	7.94 [5/16]	15.88 [5/8]	8/0.99	15/0.98	23/0.98	21/0.97	17/0.98	13/0.96	9/0.94	5/0.93	2/0.92	0/0.93
	9.53 [3/8]	15.88 [5/8]	8/0.99	15/0.98	23/0.98	30/0.97	31/0.98	29/0.96	28/0.94	27/0.93	25/0.92	24/0.93
	7.94 [5/16]	19.05 [3/4]	8/1	15/0.99	23/0.99	21/0.98	17/0.98	13/0.99	9/0.98	5/0.98	2/0.97	0/0.97
	9.53 [3/8]	19.05 [3/4]	8/1	15/0.99	23/0.99	30/0.98	31/0.98	29/0.99	28/0.98	27/0.98	25/0.97	24/0.97
10.6 KW [3 Ton]	7.94 [5/16]	15.88 [5/8]	8/0.99	15/0.98	20/0.97	14/0.97	9/0.94	3/0.93	0/0.92	0/0.91	0/0.9	0/0.9
	9.53 [3/8]	15.88 [5/8]	8/0.99	15/0.98	23/0.97	30/0.97	28/0.94	26/0.93	24/0.92	22/0.91	20/0.9	18/0.9
	7.94 [5/16]	19.05 [3/4]	8/1	15/0.99	20/0.98	14/0.99	9/0.98	3/0.98	0/0.97	0/0.96	0/0.96	0/0.98
	9.53 [3/8]	19.05 [3/4]	8/1	15/0.99	23/0.98	30/0.99	28/0.98	26/0.98	24/0.97	22/0.96	20/0.96	18/0.98
	12.70 [1/2]	19.05 [3/4]	8/1	15/0.99	23/0.98	30/0.99	36/0.98	36/0.98	35/0.97	35/0.96	35/0.96	34/0.98
	7.94 [5/16]	22.23 [7/8]	8/1	15/1	20/0.99	14/0.99	9/0.99	3/0.98	0/0.98	0/0.99	0/0.99	0/0.99
	9.53 [3/8]	22.23 [7/8]	8/1	15/1	23/0.99	30/0.99	28/0.99	26/0.98	24/0.98	22/0.99	20/0.99	18/0.99
	12.70 [1/2]	22.23 [7/8]	8/1	15/1	23/0.99	30/0.99	36/0.99	36/0.98	35/0.98	35/0.99	35/0.99	34/0.99
12.3 KW [3.5 Ton]	9.53 [3/8]	19.05 [3/4]	8/0.99	15/0.99	23/0.99	27/0.98	24/0.97	22/0.96	20/0.98	17/0.96	14/0.95	12/0.95
	12.70 [1/2]	19.05 [3/4]	8/0.99	15/0.99	23/0.99	30/0.98	35/0.97	35/0.96	34/0.98	34/0.96	33/0.95	33/0.95
	9.53 [3/8]	22.23 [7/8]	8/1	15/0.99	23/0.99	27/0.99	24/0.98	22/0.99	20/0.99	17/0.98	14/0.98	12/0.98
	12.70 [1/2]	22.23 [7/8]	8/1	15/0.99	23/0.99	30/0.99	35/0.98	35/0.99	34/0.99	34/0.98	33/0.98	33/0.98
14.1 KW [4 Ton]	9.53 [3/8]	19.05 [3/4]	8/0.99	15/0.98	23/0.98	24/0.97	21/0.96	17/0.97	14/0.95	11/0.94	8/0.93	5/0.93
	12.70 [1/2]	19.05 [3/4]	8/0.99	15/0.98	23/0.98	30/0.97	34/0.96	34/0.97	33/0.95	33/0.94	32/0.93	32/0.93
	9.53 [3/8]	22.23 [7/8]	8/1	15/0.99	23/0.99	24/0.98	21/0.99	17/0.98	14/0.98	11/0.98	8/0.97	5/0.97
	12.70 [1/2]	22.23 [7/8]	8/1	15/0.99	23/0.99	30/0.98	34/0.99	34/0.98	33/0.98	33/0.98	32/0.97	32/0.97
17.6 KW [5 Ton]	9.53 [3/8]	19.05 [3/4]	8/0.99	15/0.98	21/0.97	16/0.97	12/0.94	7/0.93	2/0.92	0/0.9	0/0.89	0/0.89
	12.70 [1/2]	19.05 [3/4]	8/0.99	15/0.98	23/0.97	30/0.97	33/0.94	32/0.93	31/0.92	30/0.9	29/0.89	28/0.89
	9.53 [3/8]	22.23 [7/8]	8/0.99	15/0.99	21/0.98	16/0.98	12/0.98	7/0.97	2/0.96	0/0.98	0/0.97	0/0.96
	12.70 [1/2]	22.23 [7/8]	8/0.99	15/0.99	23/0.98	30/0.98	33/0.98	32/0.97	31/0.96	30/0.98	29/0.97	28/0.96
	9.53 [3/8]	28.58 [1-1/8]	8/1	15/1	21/1	16/0.99	12/0.99	7/0.99	2/0.99	0/0.99	0/0.99	0/0.98
	12.70 [1/2]	28.58 [1-1/8]	8/1	15/1	23/1	30/0.99	33/0.99	32/0.99	31/0.99	30/0.99	29/0.99	28/0.98

NOTES:

Maximum Equivalent Line Length may not exceed 76 meters.

Maximum Actual Line Length may not exceed 61 meters.

Light Grey shaded areas are considered long line and may require accessories as recommended in Long Line Set Guide.

DO NOT use suction line traps in the suction riser as this adds additional unwanted pressure drop in the system.

Performance Data @ AHRI Standard Conditions – Cooling

Designated Tested Combination (DTC)							
Outdoor Unit	**Indoor Coil**	**Total Capacity BTU/H [kW]**	**Net Sensible BTU/H [kW]**	**Net Latent BTU/H [kW]**	**SEER2**	**EER2**	**Indoor CFM [L/s]**
MLA13NY18AJ1	TCFY2417STAN	17,100 [5.0]	13,100 [3.8]	4,000 [1.2]	13.4	9.0	600 [283.2]
MLA13NY24AJ1	TCFY2417MTAN	22,800 [6.7]	17,500 [5.1]	5,300 [1.6]	13.4	9.0	750 [354.0]
MLA13NY30AJ1	TCFY3617STAN	28,600 [8.4]	21,900 [6.4]	6,700 [2.0]	13.4	9.0	910 [429.5]
MLA13NY36AJ1	TCFY3621MTAN	34,200 [10.0]	26,200 [7.7]	8,000 [2.3]	13.4	9.0	1,050 [495.5]
MLA13NY42AJ1	TCFY4821STAN	40,000 [11.7]	30,700 [9.0]	9,300 [2.7]	13.4	9.0	1,300 [613.5]
MLA13NY48AJ1	TCFY4821STAN	45,500 [13.3]	34,900 [10.2]	10,600 [3.1]	13.4	9.0	1,425 [672.5]
MLA13NY60AJ1	TCFY6024STAN	54,000 [15.8]	41,400 [12.1]	12,600 [3.7]	13.4	9.0	1,600 [755.1]
MLA13NY36AC1	TCFY3621MTAN	34,200 [10.0]	26,200 [7.7]	8,000 [2.3]	13.4	9.0	1,050 [495.5]
MLA13NY42AC1	TCFY4821STAN	40,000 [11.7]	30,700 [9.0]	9,300 [2.7]	13.4	9.0	1,300 [613.5]
MLA13NY48AC1	TCFY4821STAN	45,500 [13.3]	34,900 [10.2]	10,600 [3.1]	13.4	9.0	1,425 [672.5]
MLA13NY60AC1	TCFY6024STAN	54,000 [15.8]	41,400 [12.1]	12,600 [3.7]	13.4	9.0	1,600 [755.1]
MLA13NY36AD1	TCFY3621MTAN	34,200 [10.0]	26,200 [7.7]	8,000 [2.3]	13.4	9.0	1,050 [495.5]
MLA13NY42AD1	TCFY4821STAN	40,000 [11.7]	30,700 [9.0]	9,300 [2.7]	13.4	9.0	1,300 [613.5]
MLA13NY48AD1	TCFY4821STAN	45,500 [13.3]	34,900 [10.2]	10,600 [3.1]	13.4	9.0	1,425 [672.5]
MLA13NY60AD1	TCFY6024STAN	54,000 [15.8]	41,400 [12.1]	12,600 [3.7]	13.4	9.0	1,600 [755.1]

NOTE: This data includes DTC (Designated Test Combination) ratings and is for reference purposes only. A full listing of official ratings and system match-ups, along with downloadable certificates, can be accessed from the AHRI website: www.ahridirectory.org.

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Conditional Parts
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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.

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