



Submittal Data Sheet

Series Name: Versa Pro
Model Number: MVP-18-HP-C-230A00-O / MVP-18-HP-MUAH-230A00-O

High Wall Heat Pump System

Location:	Approval:
Engineer:	Date:
Submitted to:	Construction:
Submitted by:	Unit #:
Reference:	Drawing #:



* Refer to AHRI for Certificates

INDOOR SPECIFICATION

Indoor Air Flow (Turbo/H/M/L/Si)	CFM	618.03/576.83/529.74/488.54/N/A
Indoor Noise Level (Turbo/H/M/L/Si)	dBA	44/43/41/33/N/A
Dimension (WxDxH)	inch	21.02 x 17.52 x 45
	mm	534 x 445 x 1143
Package (WxDxH)	inch	26.57 x 20.87 x 48.62
	mm	675 x 530 x 1235
Net/Gross Weight	lbs	105.82/126.76
	kg	48/57.5

OUTDOOR SPECIFICATION

Compressor Type		ROTARY
Compressor Model		KSN140D58UFZ
Refrigerant Type		R454B
Refrigerant Oil Charge	mL	440
Refrigerant Oil		VG74
Outdoor Air Flow (Max)	CFM	1450.9
Outdoor Noise Level	dBA	55
Dimension (WxDxH)	inch	31.69 x 12.99 x 21.81
	mm	805 x 330 x 554
Package (WxDxH)	inch	36.02 x 14.57 x 24.21
	mm	915 x 370 x 615
Net/Gross Weight	lbs	77.16/83.77
	kg	35/38

EFFICIENCY

Cooling		Heating	
SEER2	18.8	HSPF2-4	9.1
EER2	11	COP	3.15

PERFORMANCE of Cooling

Cooling (Btu/hr)	
Rated Capacity	18000
Min/Max Capacity	5350 20000
Moisture Removal(L/h)	1.71
Standard Operating Range(°F/°C)	-13~122 (-25~50)
Conditions:	Indoor: 80°F DB/67°F WB
	Outdoor: 95°F DB/75°F WB

PERFORMANCE of Heating

Heating (Btu/hr)	
1. @ 47°F Rated	18000
1. @ 47°F Min/Max Capacity	5600 19000
2. @ 17°F Rated	12600
3. @ 5°F Rated: Capacity / COP	11200 2
3. @ 5°F Max: Capacity	11200
Standard Operating Range(°F/°C)	-13~75 (-25~24)
1. Rated Heating Conditions:	Indoor: 70°F DB/60°F WB
	Outdoor: 47°F DB/43°F WB
2. Rated Heating Conditions:	Indoor: 70°F DB/60°F WB
	Outdoor: 17°F DB/15°F WB
3. Heating Conditions, Compressor Operating at Max. Frequency:	Indoor: 70°F DB/60°F WB
	Outdoor: 5°F DB/5°F WB

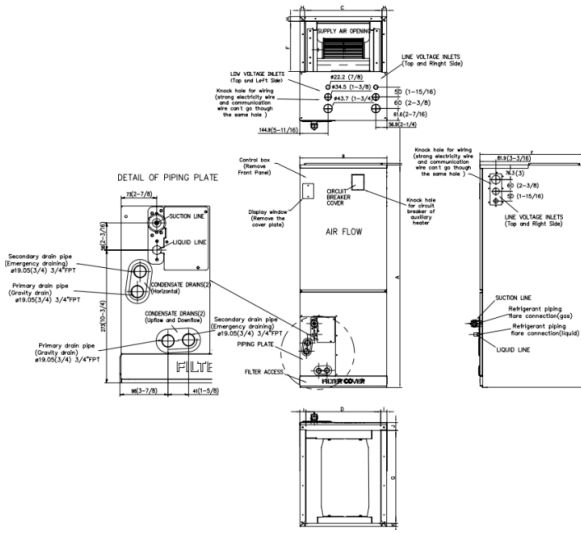
ELECTRICAL

Indoor Power Supply	V, Hz, Ph	115/208/230V, 60Hz, 1Ph
Indoor MCA 115V/(208/230V)	A	5.5/4
Indoor MOP	A	15
Outdoor Power Supply	V	208/230V, 60Hz, 1Ph
Outdoor MCA	A	16
Outdoor MOP	A	20
Communication Wiring	AWG	20-2
Compressor RLA	A	10
Outdoor Fan Motor RLA	A	0.8
Outdoor Fan Motor	W	34
Indoor Fan Motor RLA	A	2
Indoor Fan Motor	W	250
System Power Input @ Cooling	W	1635 (400~1900)
System Power Input @ Heating	W	1675 (340~1650)

PIPING

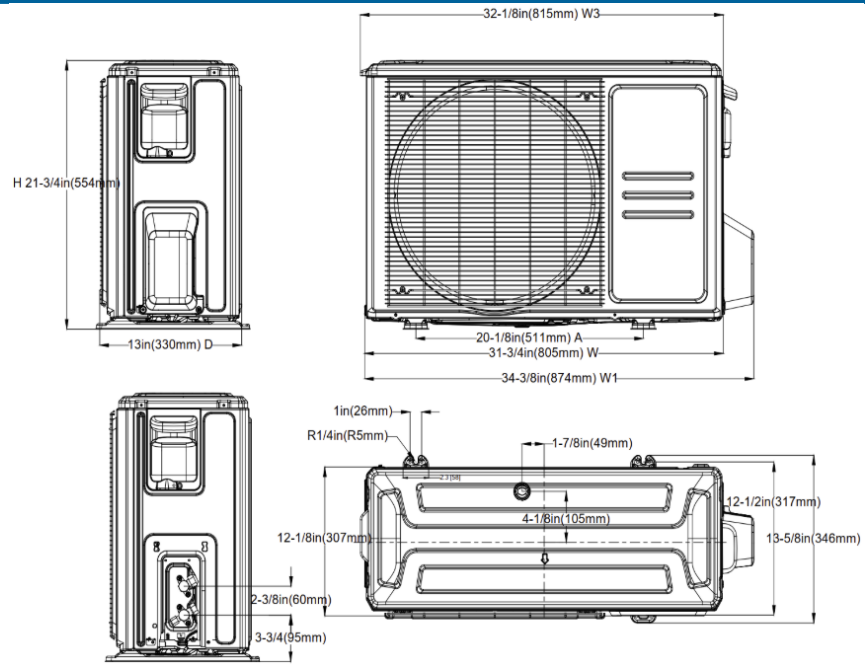
Throttle Type	Indoor	EXV
Throttle Type	Outdoor	EXV
Liquid Size	mm (in)	9.52mm (3/8in)
Gas Size	mm (in)	19mm (3/4in)
Max. Piping Length	ft (m)	98.4 (30)
Max. Height Difference	ft (m)	65.6 (20)
Max. Pre-charged Length	ft (m)	24.6 (7.5)
Refrigerant Pre-charged Amt.	oz/g	51.15 (1.45)
Additional Charge of Refrigerant	(oz/ft)/(g/m)	0.7 (65)
Connection Method		Flared or Quick Connect

Indoor Unit Dimension



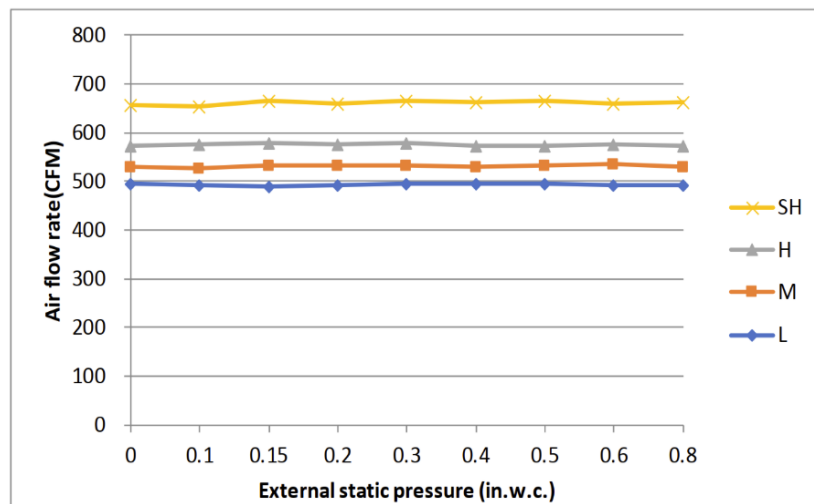
Dimensions	Model	18K/24K		30K/36K		48K/60K	
		inch	mm	inch	mm	inch	mm
A	Model Height	45	1143	49	1245	53	1346
B	Model Width	17-1/2	445	21	534	24-1/2	622
C	Supply Air Opening Width	15-5/8	397	19-1/8	486	22-5/8	575
D	Return Air Opening Width	15-1/8	384	18-5/8	473	22-1/8	562
E	Model Depth	21	534	21	534	21	534
F	Supply Air Opening Depth	10-1/4	260	10-1/4	260	10-1/4	260
G	Return Air Opening Depth	18-3/4	476	18-3/4	476	18-3/4	476
H	Supply Air Opening Clearance	15/16	24	15/16	24	15/16	24
I	Return Air Opening Clearance	1-1/4	32	1-1/4	32	1-1/8	28
J	Return Air Opening Front Clearance	1-1/2	38	1-5/8	41	1-5/8	41
K	Return Air Opening Back Clearance	5/8	16	5/8	16	3/4	19

Outdoor Unit Dimension



Installation Instruction

Fan Performance For Indoor Unit



Features

- Multi-position installation: horizontal(left or right), vertical(up or down)
- Aluminum Coil
- Constantly Air Flow system up to 0.80 In.W.G
- 1 inch R4.2 fiberglass free insulation reduces condensation and boosts efficiency
- Optional Auxiliary heat kit up to 20kW
- Easy Maintenance
- Control options available:
 - MRCOOL Smart 24V Thermostat
- Adaptive Control System
- High efficiency up to 18.8 SEER2, 11 EER2, 9.7 HSPF2
- Chassis heater and crankcase heater equipped as standard



Submittal Data Sheet

Series Name: Versa Pro
Model Number: MVP-24-HP-C-230A00-O / MVP-24-HP-MUAH-230A00-O

High Wall Heat Pump System

Location:	Approval:
Engineer:	Date:
Submitted to:	Construction:
Submitted by:	Unit #:
Reference:	Drawing #:



* Refer to AHRI for Certificates

INDOOR SPECIFICATION

Indoor Air Flow (Turbo/H/M/L/Si)	CFM	824.04/759.29/694.55/629.80/N/A
Indoor Noise Level (Turbo/H/M/L/Si)	dBA	N/A/44/42/28/N/A
Dimension (WxDxH)	inch	21.02 x 17.52 x 45
	mm	534 x 445 x 1143
Package (WxDxH)	inch	26.57 x 20.87 x 48.62
	mm	675 x 530 x 1235
Net/Gross Weight	lbs	105.6/127.43
	kg	47.9/57.8

OUTDOOR SPECIFICATION

Compressor Type		ROTARY
Compressor Model		KTM240D46UKT2
Refrigerant Type		R454B
Refrigerant Oil Charge	mL	620
Refrigerant Oil		VG74
Outdoor Air Flow (Max)	CFM	1765.7
Outdoor Noise Level	dBA	60
Dimension (WxDxH)	inch	35.04 x 13.46 x 26.5
	mm	890 x 342 x 673
Package (WxDxH)	inch	39.17 x 15.67 x 29.13
	mm	995 x 398 x 740
Net/Gross Weight	lbs	102.29/109.13
	kg	46.4/49.5

EFFICIENCY

Cooling		Heating	
SEER2	18.1	HSPF2-4	9.7
EER2	11	COP	3.18

PERFORMANCE of Cooling

Cooling (Btu/hr)	
Rated Capacity	24000
Min/Max Capacity	7200 27000
Moisture Removal(L/h)	2.38
Standard Operating Range(°F/°C)	-13~122 (-25~50)
Conditions:	Indoor: 80°F DB/67°F WB Outdoor: 95°F DB/75°F WB

PERFORMANCE of Heating

Heating (Btu/hr)	
1. @ 47°F Rated	26000
1. @ 47°F Min/Max Capacity	7100 30000
2. @ 17°F Rated	20000
3. @ 5°F Rated: Capacity / COP	216000 1.87
3. @ 5°F Max: Capacity	21800
Standard Operating Range(°F/°C)	-13~75 (-25~24)
1. Conditions:	Indoor: 70°F DB/60°F WB Outdoor: 47°F DB/43°F WB
	Indoor: 70°F DB/60°F WB Outdoor: 17°F DB/15°F WB
2. Conditions:	Indoor: 70°F DB/60°F WB Outdoor: 17°F DB/15°F WB
	Indoor: 70°F DB/60°F WB Outdoor: 5°F DB/5°F WB
3. Conditions:	Indoor: 70°F DB/60°F WB Outdoor: 5°F DB/5°F WB
	Indoor: 70°F DB/60°F WB Outdoor: 5°F DB/5°F WB

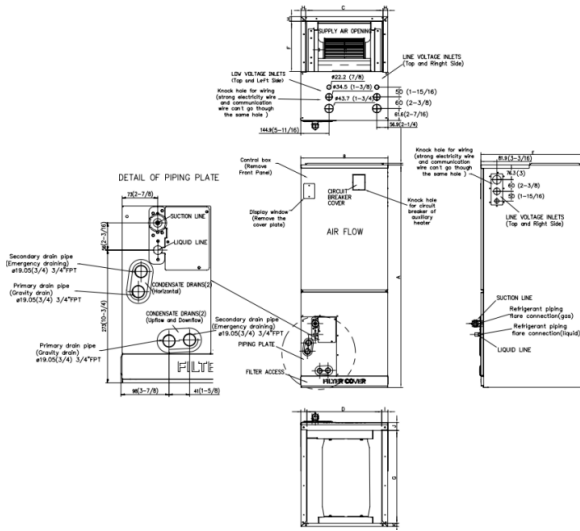
ELECTRICAL

Power Supply	V, Hz, Ph	115/208/230V, 60Hz, 1Ph
Indoor MCA 115V/(208/230V)	A	5.5/4
Indoor MOP	A	15
Outdoor Power Supply	V	208/230V, 60Hz, 1Ph
Outdoor MCA	A	19
Outdoor MOP	A	20
Communication Wiring	AWG	20-2
Compressor RLA	A	14
Outdoor Fan Motor RLA	A	1
Outdoor Fan Motor	W	80
Indoor Fan Motor RLA	A	3
Indoor Fan Motor	W	250
System Power Input @ Cooling	W	2181 (530~2870)
System Power Input @ Heating	W	2396 (440~2730)

PIPING

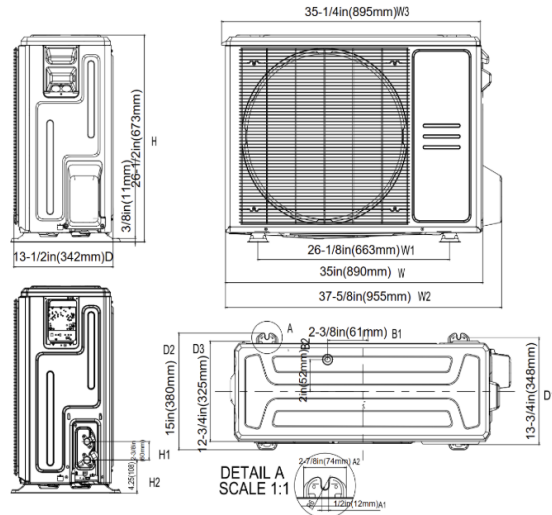
Throttle Type	Indoor	EXV
Throttle Type	Outdoor	EXV
Liquid Size	mm (in)	9.52mm (3/8in)
Gas Size	mm (in)	19mm (3/4in)
Max. Piping Length	ft (m)	164 (50)
Max. Height Difference	ft (m)	82 (25)
Max. Pre-charged Length	ft (m)	24.6 (7.5)
Refrigerant Pre-charged Amt.	oz/g	74.08 (2.1)
Additional Charge of Refrigerant	(oz/ft)/(g/m)	0.7 (65)
Connection Method		Flare or Quick Connect

Indoor Unit Dimension

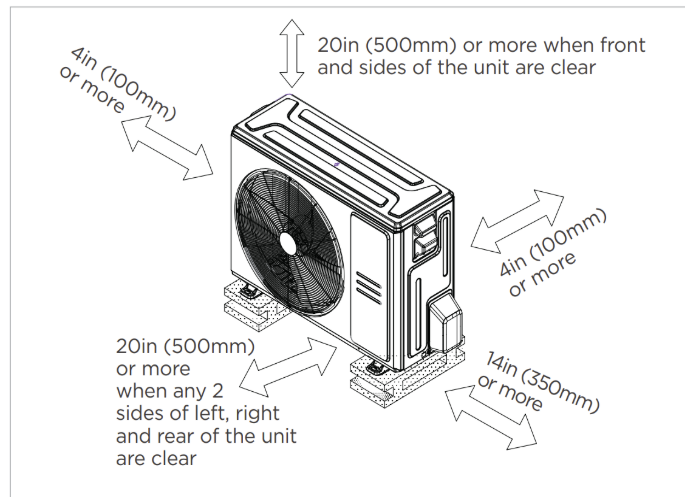


Dimensions	Model	18K/24K		30K/36K		48K/60K	
		inch	mm	inch	mm	inch	mm
A	Model Height	45	1143	49	1245	53	1346
B	Model Width	17-1/2	445	21	534	24-1/2	622
C	Supply Air Opening Width	15-5/8	397	19-1/8	486	22-5/8	575
D	Return Air Opening Width	15-1/8	384	18-5/8	473	22-1/8	562
E	Model Depth	21	534	21	534	21	534
F	Supply Air Opening Depth	10-1/4	260	10-1/4	260	10-1/4	260
G	Return Air Opening Depth	18-3/4	476	18-3/4	476	18-3/4	476
H	Supply Air Opening Clearance	15/16	24	15/16	24	15/16	24
I	Return Air Opening Side Clearance	1-1/4	32	1-1/4	32	1-1/8	28
J	Return Air Opening Front Clearance	1-1/2	38	1-5/8	41	1-5/8	41
K	Return Air Opening Back Clearance	5/8	16	5/8	16	3/4	19

Outdoor Unit Dimension

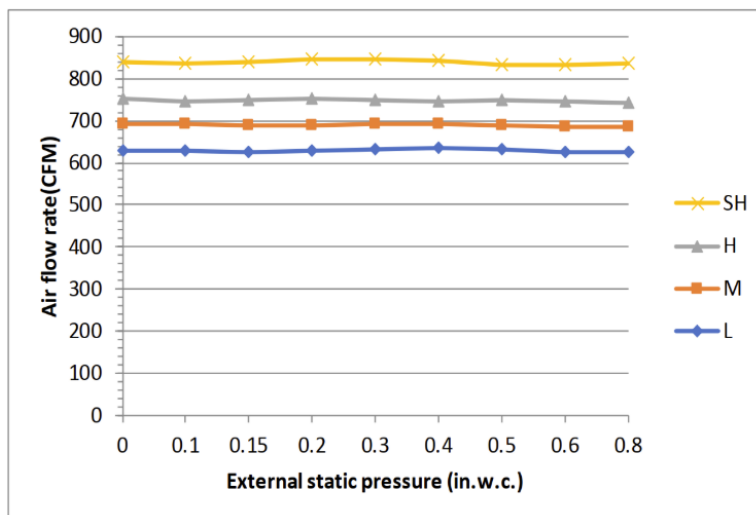


Installation Instruction



☒ Meets all spatial requirements shown in Installation Clearance Requirements above.

Fan Performance For Indoor Unit



Features

- Multi-position installation: horizontal(left or right), vertical(up or down)
- Aluminum Coil
- Constantly Air Flow system up to 0.80 In.W.G
- 1 inch R4.2 fiberglass free insulation reduces condensation and boosts efficiency
- Optional Auxiliary heat kit up to 20kW
- Easy Maintenance
- Control options available:
 - MRCOOL Smart 24V Thermostat
- Adaptive Control System
- High efficiency up to 18.8 SEER2, 11 EER2, 9.7 HSPF2
- Chassis heater and crankcase heater equipped as standard



Submittal Data Sheet

Series Name: Versa Pro
Model Number: MVP-30-HP-C-230A00-O / MVP-30-HP-MUAH-230A00-O

High Wall Heat Pump System

Location:	Approval:
Engineer:	Date:
Submitted to:	Construction:
Submitted by:	Unit #:
Reference:	Drawing #:



* Refer to AHRI for Certificates

INDOOR SPECIFICATION

Indoor Air Flow (Turbo/H/M/L/Si)	CFM	988.85/894.67/806.38/712.21/N/A
Indoor Noise Level (Turbo/H/M/L/Si)	dBA	N/A/46/42/29/N/A
Dimension (WxDxH)	inch	21.02 x 21.02 x 49.02
	mm	534 x 534 x 1245
Package (WxDxH)	inch	26.57 x 24.41 x 52.56
	mm	675 x 620 x 1335
Net/Gross Weight	lbs	128.97/153.44
	kg	58.5/69.6

OUTDOOR SPECIFICATION

Compressor Type		ROTARY
Compressor Model		KTF250D22UMT
Refrigerant Type		R454B
Refrigerant Oil Charge	mL	670
Refrigerant Oil		VG74
Outdoor Air Flow (Max)	CFM	3001.8
Outdoor Noise Level	dBA	60
Dimension (WxDxH)	inch	37.24 x 16.14 x 31.89
	mm	946 x 410 x 810
Package (WxDxH)	inch	42.91 x 19.68 x 34.84
	mm	1090 x 500 x 885
Net/Gross Weight	lbs	141.76/152.34
	kg	64.3/69.1

EFFICIENCY

Cooling		Heating	
SEER2	17	HSPF2-4	8.5
EER2	10.7	COP	3.5

PERFORMANCE of Cooling

Cooling (Btu/hr)	
Rated Capacity	30000
Min/Max Capacity	10400 34000
Moisture Removal(L/h)	3.57
Standard Operating Range(°F/°C)	-13~122 (-25~50)
Conditions:	Indoor: 80°F DB/67°F WB Outdoor: 95°F DB/75°F WB

PERFORMANCE of Heating

Heating (Btu/hr)	
1. @ 47°F Rated	31000
1. @ 47°F Min/Max Capacity	6400 32000
2. @ 17°F Rated	18500
3. @ 5°F Rated: Capacity / COP	19100 2
3. @ 5°F Max: Capacity	19100
Standard Operating Range(°F/°C)	-13~75 (-25~24)
1. Conditions:	Indoor: 70°F DB/60°F WB
	Outdoor: 47°F DB/43°F WB
2. Conditions:	Indoor: 70°F DB/60°F WB
	Outdoor: 17°F DB/15°F WB
3. Conditions	Indoor: 70°F DB/60°F WB
	Outdoor: 5°F DB/5°F WB

ELECTRICAL

Power Supply	V, Hz, Ph	115/208/230V, 60Hz, 1Ph
Indoor MCA 115V/(208/230V)	A	8/6
Indoor MOP	A	15
Outdoor Power Supply	V	208/230V, 60Hz, 1Ph
Outdoor MCA	A	22.5
Outdoor MOP	A	25
Communication Wiring	AWG	20-2
Compressor RLA	A	17
Outdoor Fan Motor RLA	A	1.1
Outdoor Fan Motor	W	120
Indoor Fan Motor RLA	A	4.5
Indoor Fan Motor	W	375
System Power Input @ Cooling	W	2778 (735~3230)
System Power Input @ Heating	W	2595 (455~2550)

PIPING

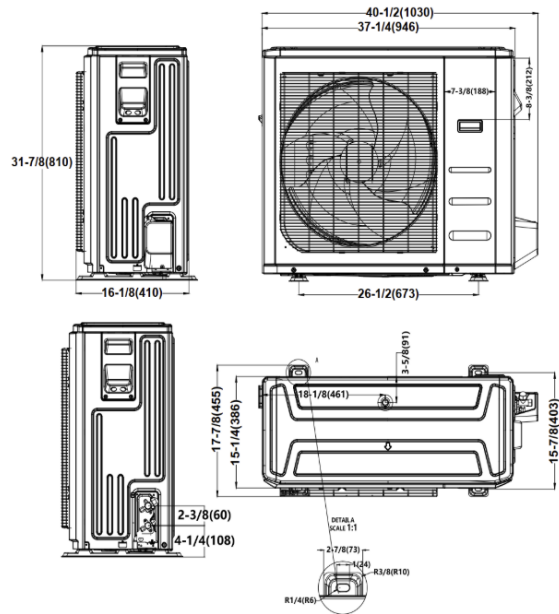
Throttle Type	Indoor	EXV
Throttle Type	Outdoor	EXV
Liquid Size	mm (in)	9.52mm (3/8in)
Gas Size	mm (in)	19mm (3/4in)
Max. Piping Length	ft (m)	164 (50)
Max. Height Difference	ft (m)	82 (25)
Max. Pre-charged Length	ft (m)	24.6 (7.5)
Refrigerant Pre-charged Amt.	oz/g	91.71 (2.6)
Additional Charge of Refrigerant	(oz/ft)/(g/m)	0.7 (65)
Connection Method		Flare or Quick Connect

Indoor Unit Dimension

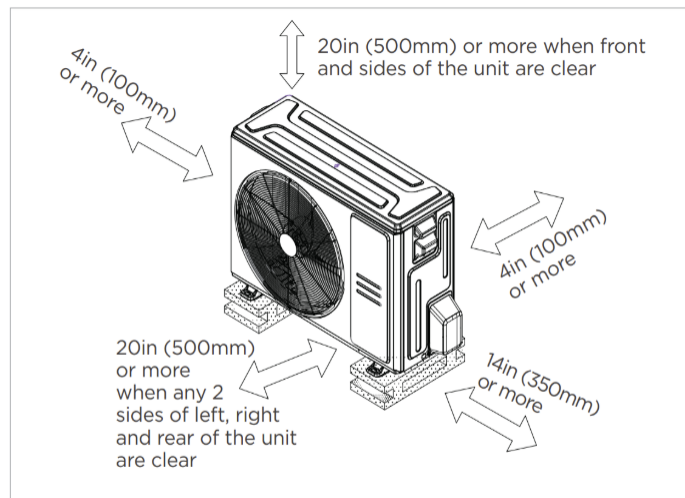


Dimensions	Model	18K/24K		30K/36K		48K/60K	
		inch	mm	inch	mm	inch	mm
A	Model Height	45	1143	49	1245	53	1346
B	Model Width	17-1/2	445	21	534	24-1/2	622
C	Supply Air Opening Width	15-5/8	397	19-1/8	486	22-5/8	575
D	Return Air Opening Width	15-1/8	384	18-5/8	473	22-1/8	562
E	Model Depth	21	534	21	534	21	534
F	Supply Air Opening Depth	10-1/4	260	10-1/4	260	10-1/4	260
G	Return air Opening Depth	18-3/4	476	18-3/4	476	18-3/4	476
H	Supply Air Opening Clearance	15/16	24	15/16	24	15/16	24
I	Return Air Opening Side Clearance	1-1/4	32	1-1/4	32	1-1/8	28
J	Return Air Opening Front Clearance	1-1/2	38	1-5/8	41	1-5/8	41
K	Return Air Opening Back Clearance	5/8	16	5/8	16	3/4	19

Outdoor Unit Dimension

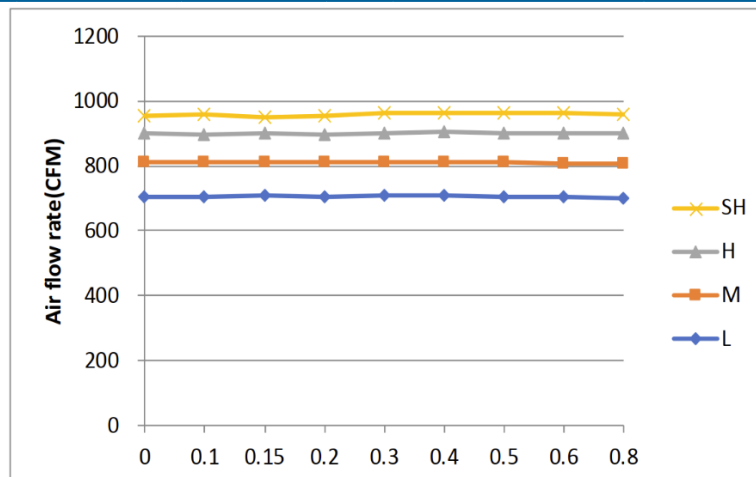


Installation Instruction



☒ Meets all spatial requirements shown in Installation Clearance Requirements above.

Fan Performance For Indoor Unit



External static pressure (in.w.c.)

Features

- Multi-position installation: horizontal(left or right), vertical(up or down)
- Aluminum Coil
- Constantly Air Flow system up to 0.80 In.W.G
- 1 inch R4.2 fiberglass free insulation reduces condensation and boosts efficiency
- Optional Auxiliary heat kit up to 20kW
- Easy Maintenance
- Control options available:
 - MRCOOL Smart 24V Thermostat
- Adaptive Control System
- High efficiency up to 18.8 SEER2, 11 EER2, 9.7 HSPF2
- Chassis heater and crankcase heater equipped as standard



Submittal Data Sheet

Series Name: Versa Pro
Model Number: MVP-36-HP-C-230A00-O / MVP-36-HP-MUAH-230A00-O

High Wall Heat Pump System

Location:	Approval:
Engineer:	Date:
Submitted to:	Construction:
Submitted by:	Unit #:
Reference:	Drawing #:



* Refer to AHRI for Certificates

INDOOR SPECIFICATION

Indoor Air Flow (Turbo/H/M/L/Si)	CFM	1188.97/1083.02/971.19/865.24/N/A
Indoor Noise Level (Turbo/H/M/L/Si)	dBA	N/A/48/45/28/N/A
Dimension (WxDxH)	inch	21.02 x 21.02 x 49.02
	mm	534 x 534 x 1245
Package (WxDxH)	inch	26.57 x 24.41 x 52.56
	mm	675 x 620 x 1335
Net/Gross Weight	lbs	129.41/153.88
	kg	58.7/69.8

OUTDOOR SPECIFICATION

Compressor Type		ROTARY
Compressor Model		KTF310D43UMT
Refrigerant Type		R454B
Refrigerant Oil Charge	mL	1000
Refrigerant Oil		VG74
Outdoor Air Flow (Max)	CFM	2413.2
Outdoor Noise Level	dBA	63
Dimension (WxDxH)	inch	37.24 x 16.14 x 31.89
	mm	946 x 410 x 810
Package (WxDxH)	inch	42.91 x 19.68 x 34.84
	mm	1090 x 500 x 885
Net/Gross Weight	lbs	153.22/163.58
	kg	69.5/74.2

EFFICIENCY

Cooling		Heating	
SEER2	16.1	HSPF2-4	8.7
EER2	10	COP	3.4

PERFORMANCE of Cooling

Cooling (Btu/hr)		
Rated Capacity	36000	
Min/Max Capacity	8300	38900
Moisture Removal(L/h)	3.62	
Standard Operating Range(°F/°C)	-13~122 (-25~50)	
Conditions:	Indoor: 80°F DB/67°F WB Outdoor: 95°F DB/75°F WB	

PERFORMANCE of Heating

Heating (Btu/hr)		
1. @ 47°F Rated	36000	
1. @ 47°F Min/Max Capacity	6700	41300
2. @ 17°F Rated	25600	
3. @ 5°F Rated: Capacity / COP	27000	2
3. @ 5°F Max: Capacity	27000	
Standard Operating Range(°F/°C)	-13~75 (-25~24)	
1. Conditions:	Indoor: 70°F DB/60°F WB	
	Outdoor: 47°F DB/43°F WB	
2. Conditions:	Indoor: 70°F DB/60°F WB	
	Outdoor: 17°F DB/15°F WB	
3. Conditions	Indoor: 70°F DB/60°F WB	
	Outdoor: 5°F DB/5°F WB	

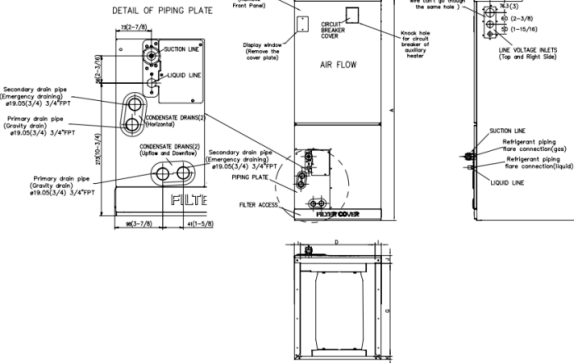
ELECTRICAL

Power Supply	V, Hz, Ph	115/208/230V, 60Hz, 1Ph
Indoor MCA 115V/(208/230V)	A	8/6
Indoor MOP	A	15
Outdoor Power Supply	V	208/230V, 60Hz, 1Ph
Outdoor MCA	A	24
Outdoor MOP	A	30
Communication Wiring	AWG	20-2
Compressor RLA	A	17.5
Outdoor Fan Motor RLA	A	1.5
Outdoor Fan Motor	W	120
Indoor Fan Motor RLA	A	4.5
Indoor Fan Motor	W	375
System Power Input @ Cooling	W	3600 (710~4500)
System Power Input @ Heating	W	3100 (460~3550)

PIPING

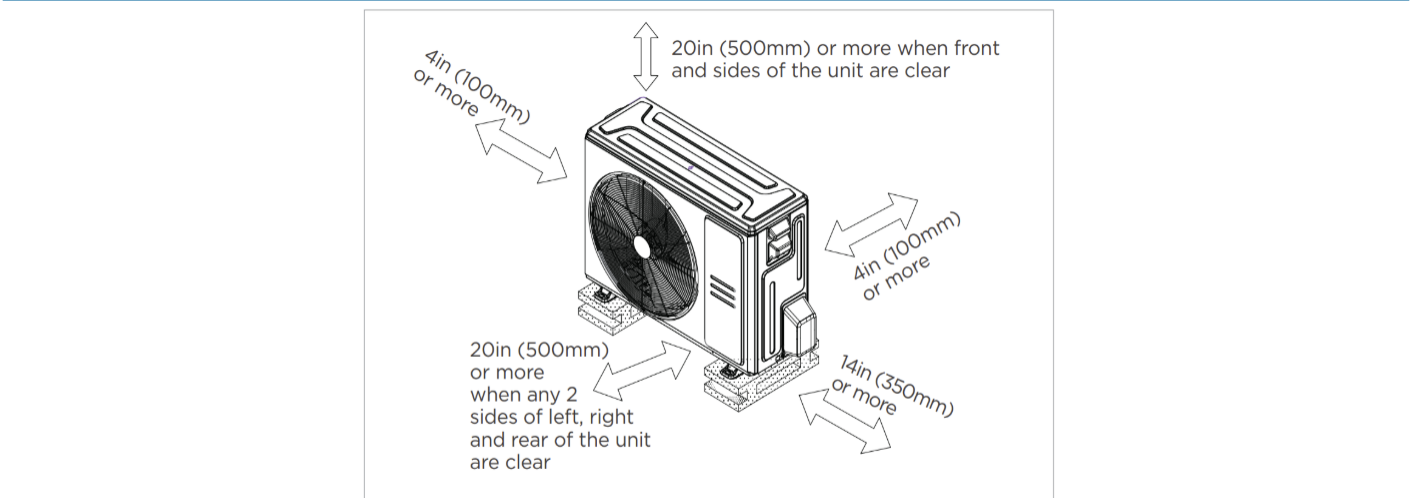
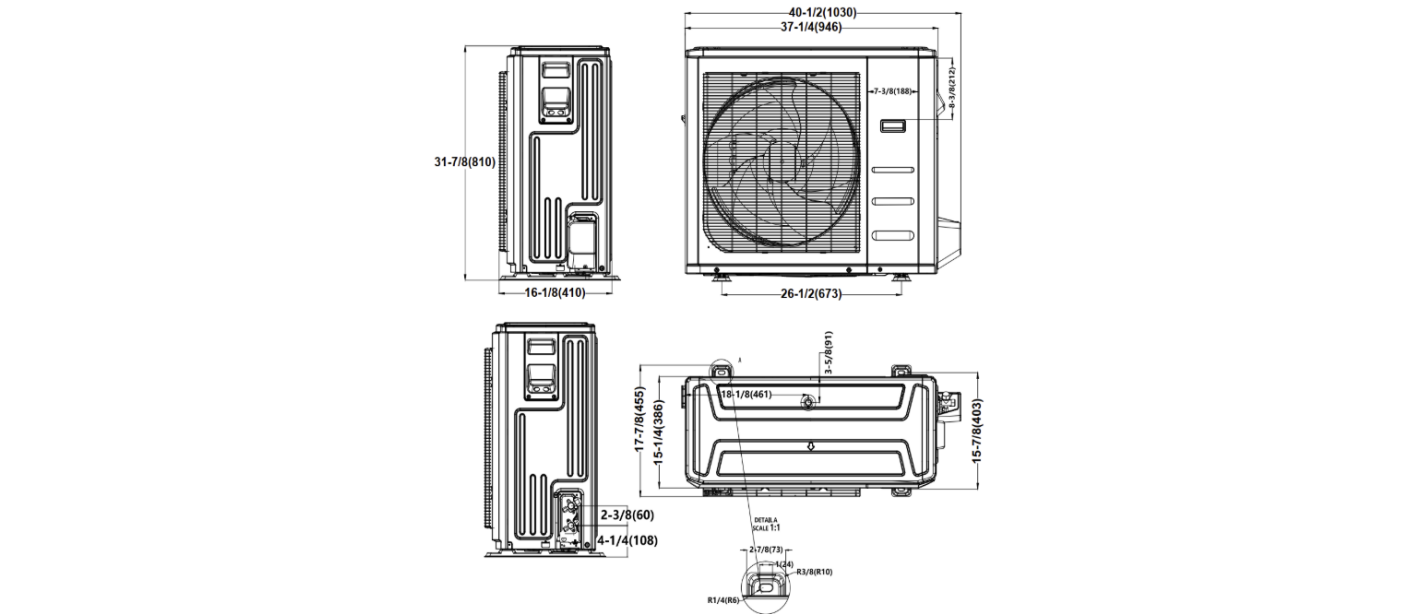
Throttle Type	Indoor	EXV
Throttle Type	Outdoor	EXV
Liquid Size	mm (in)	9.52mm (3/8in)
Gas Size	mm (in)	19mm (3/4in)
Max. Piping Length	ft (m)	246 (75)
Max. Height Difference	ft (m)	98.4 (30)
Max. Pre-charged Length	ft (m)	24.6 (7.5)
Refrigerant Pre-charged Amt.	oz/g	116.4 (3.3)
Additional Charge of Refrigerant	(oz/ft)/(g/m)	0.7 (65)
Connection Method	Flare or Quick Connect	

Indoor Unit Dimension



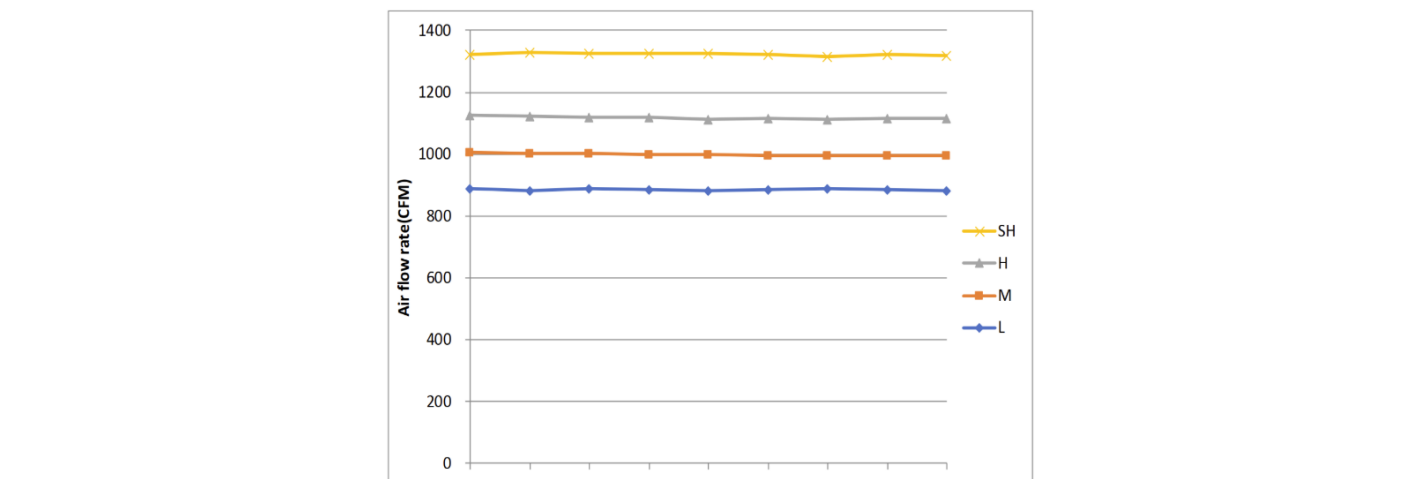
Dimensions	Model	18X/24K		30K/36K		48K/60K	
		inch	mm	inch	mm	inch	mm
A	Model Height	45	1143	49	1245	53	1346
B	Model Width	17-1/2	445	21	534	24-1/2	622
C	Supply Air Opening Width	15-5/8	397	19-1/8	486	22-5/8	575
D	Return Air Opening Width	15-1/8	384	18-5/8	473	22-1/8	562
E	Model Depth	21	534	21	534	21	534
F	Supply Air Opening Depth	10-1/4	260	10-1/4	260	10-1/4	260
G	Return air Opening Depth	18-3/4	476	18-3/4	476	18-3/4	476
H	Supply Air Opening Clearance	15/16	24	15/16	24	15/16	24
I	Return Air Opening Side Clearance	1-1/4	32	1-1/4	32	1-1/8	28
J	Return Air Opening Front Clearance	1-1/2	38	1-5/8	41	1-5/8	41
K	Return Air Opening Back Clearance	5/8	16	5/8	16	3/4	19

Outdoor Unit Dimension



- ☒ Meets all spatial requirements shown in Installation Clearance Requirements above.

Fan Performance For Indoor Unit



0 0.1 0.15 0.2 0.3 0.4 0.5 0.6 0.8

External static pressure (in.w.c.)

Features

- Multi-position installation: horizontal(left or right), vertical(up or down)
- Aluminum Coil
- Constantly Air Flow system up to 0.80 In.W.G
- 1 inch R4.2 fiberglass free insulation reduces condensation and boosts efficiency
- Optional Auxiliary heat kit up to 20kW
- Easy Maintenance
- Control options available:
 - MRCOOL Smart 24V Thermostat
- Adaptive Control System
- High efficiency up to 18.8 SEER2, 11 EER2, 9.7 HSPF2
- Chassis heater and crankcase heater equipped as standard



Submittal Data Sheet

Series Name: Versa Pro
Model Number: MVP-48-HP-C-230A00-O / MVP-48-HP-MUAH-230A00-O

High Wall Heat Pump System

Location:	Approval:
Engineer:	Date:
Submitted to:	Construction:
Submitted by:	Unit #:
Reference:	Drawing #:



* Refer to AHRI for Certificates

INDOOR SPECIFICATION		
Indoor Air Flow (Turbo/H/M/L/Si)	CFM	1600.99/1471.50/1283.15/1094.80/N/A
Indoor Noise Level (Turbo/H/M/L/Si)	dBA	N/A/53/50/44/N/A
Dimension (W×D×H)	inch	21.02 x 24.49 x 52.99
	mm	534 x 622 x 1346
Package (W×D×H)	inch	27.95 x 26.77 x 56.5
	mm	710 x 680 x 1435
Net/Gross Weight	lbs	162.92/190.92
	kg	73.9/86.6

OUTDOOR SPECIFICATION		
Compressor Type		ROTARY
Compressor Model		MTH550UKPC8FU
Refrigerant Type		R454B
Refrigerant Oil Charge	mL	1800
Refrigerant Oil		HAF68D1C
Outdoor Air Flow (Max)	CFM	3037.1
Outdoor Noise Level	dBA	65
Dimension (W×D×H)	inch	38.58 x 16.34 x 38.39
	mm	980 x 415 x 975
Package (W×D×H)	inch	45.08 x 19.68 x 42.52
	mm	1145 x 500 x 1080
Net/Gross Weight	lbs	192.9/224.21
	kg	87.5/101.7

EFFICIENCY			
Cooling		Heating	
SEER2	16	HSPF2-4	8.5
EER2	10	COP	3.45

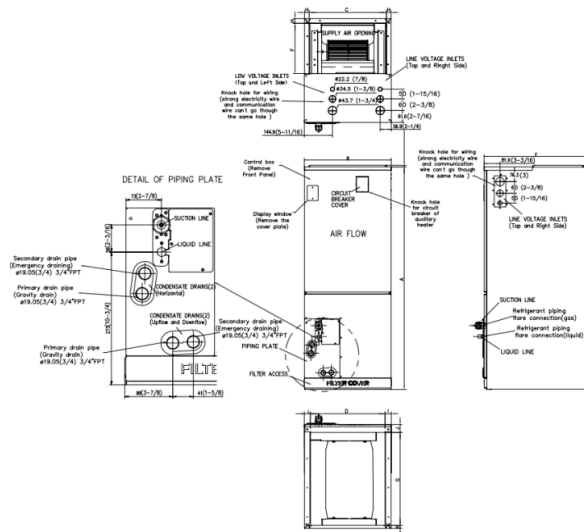
PERFORMANCE of Cooling		
Cooling (Btu/hr)		
Rated Capacity	48000	
Min/Max Capacity	16600	49900
Moisture Removal(L/h)	5.29	
Standard Operating Range(°F/°C)	-13~122 (-25~50)	
Conditions:	Indoor: 80°F DB/67°F WB Outdoor: 95°F DB/75°F WB	

ELECTRICAL		
Power Supply	V, Hz, Ph	115/208/230V, 60Hz, 1Ph
Indoor MCA 115V/(208/230V)	A	14.5/11
Indoor MOP	A	15
Outdoor Power Supply	V	208/230V, 60Hz, 1Ph
Outdoor MCA	A	36
Outdoor MOP	A	40
Communication Wiring	AWG	20-2
Compressor RLA	A	27
Outdoor Fan Motor RLA	A	2
Outdoor Fan Motor	W	250
Indoor Fan Motor RLA	A	7.8
Indoor Fan Motor	W	750
System Power Input @ Cooling	W	4800 (1400~5350)
System Power Input @ Heating	W	4085 (1025~4650)

PERFORMANCE of Heating		
Heating (Btu/hr)		
1. @ 47°F Rated	48000	
1. @ 47°F Min/Max Capacity	15300	49500
2. @ 17°F Rated	32400	
3. @ 5°F Rated: Capacity / COP	38000	1.85
3. @ 5°F Max: Capacity	38000	
Standard Operating Range(°F/°C)	-13~75 (-25~24)	
1. Conditions:	Indoor: 70°F DB/60°F WB	
	Outdoor: 47°F DB/43°F WB	
2. Conditions:	Indoor: 70°F DB/60°F WB	
	Outdoor: 17°F DB/15°F WB	
3. Conditions	Indoor: 70°F DB/60°F WB	
	Outdoor: 5°F DB/5°F WB	

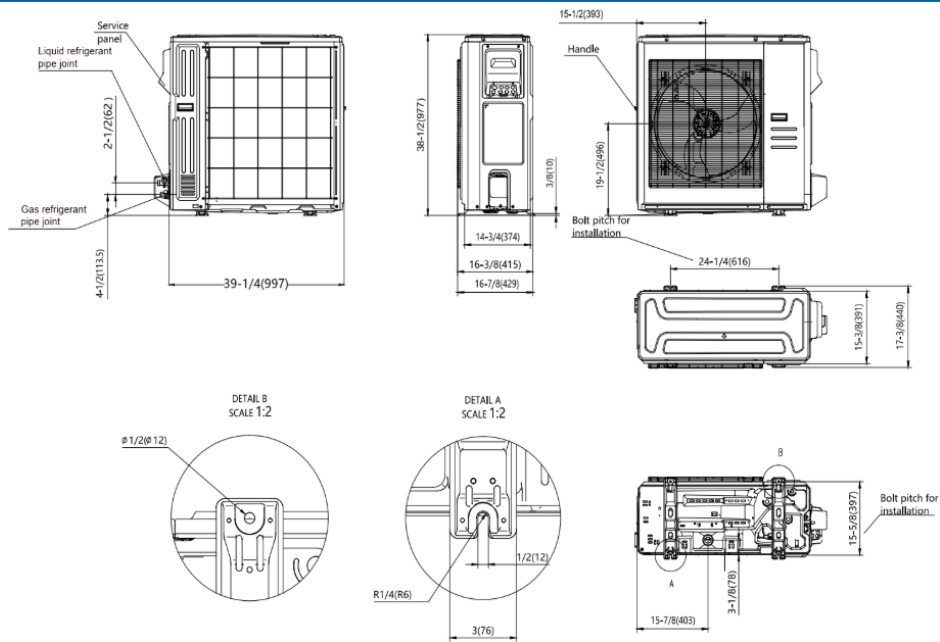
PIPING		
Throttle Type	Indoor	EXV
Throttle Type	Outdoor	EXV
Liquid Size	mm (in)	9.52mm (3/8in)
Gas Size	mm (in)	19mm (3/4in)
Max. Piping Length	ft (m)	246 (75)
Max. Height Difference	ft (m)	98.4 (30)
Max. Pre-charged Length	ft (m)	24.6 (7.5)
Refrigerant Pre-charged Amt.	oz/g	134.04 (3.8)
Additional Charge of Refrigerant	(oz/ft)/(g/m)	0.7 (65)
Connection Method	Flare or Quick Connect	

Indoor Unit Dimension

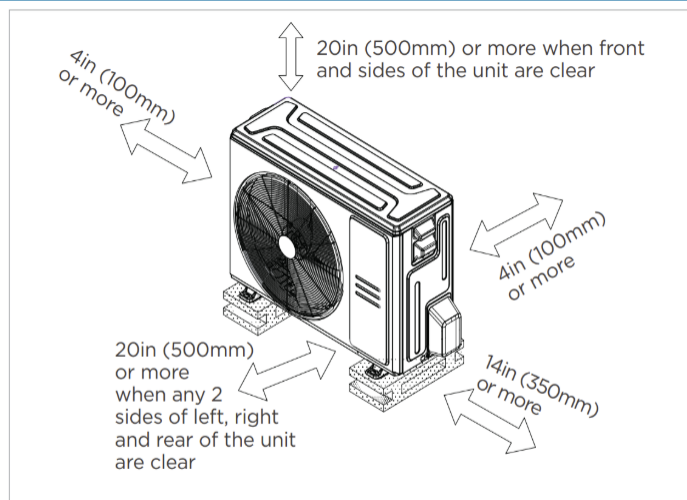


Dimensions	Model	18K/24K		30K/36K		48K/60K	
		inch	mm	inch	mm	inch	mm
A	Model Height	45	1143	49	1245	53	1346
B	Model Width	17-1/2	445	21	534	24-1/2	622
C	Supply Air Opening Width	15-5/8	397	19-1/8	486	22-5/8	575
D	Return Air Opening Width	15-1/8	384	18-5/8	473	22-1/8	562
E	Model Depth	21	534	21	534	21	534
F	Supply Air Opening Depth	10-1/4	260	10-1/4	260	10-1/4	260
G	Return air Opening Depth	18-3/4	476	18-3/4	476	18-3/4	476
H	Supply Air Opening Clearance	15/16	24	15/16	24	15/16	24
I	Return Air Opening Side Clearance	1-1/4	32	1-1/4	32	1-1/8	28
J	Return Air Opening Front Clearance	1-1/2	38	1-5/8	41	1-5/8	41
K	Return Air Opening Back Clearance	5/8	16	5/8	16	3/4	19

Outdoor Unit Dimension

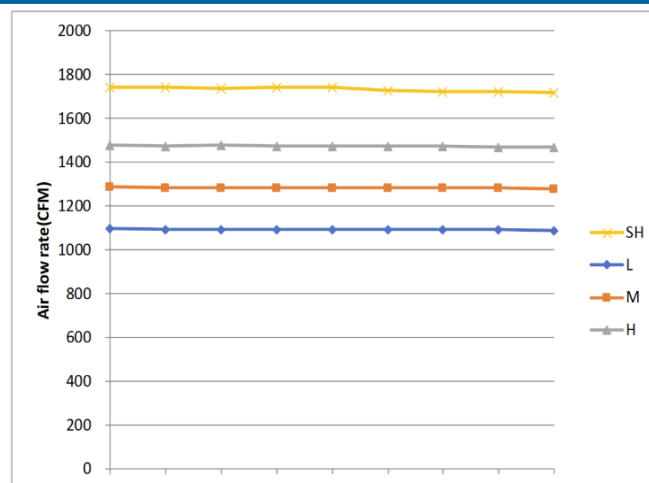


Installation Instruction



☒ Meets all spatial requirements shown in Installation Clearance Requirements above.

Fan Performance For Indoor Unit



0 0.1 0.15 0.2 0.3 0.4 0.5 0.6 0.8

External static pressure (in.w.c.)

Features

- Multi-position installation: horizontal(left or right), vertical(up or down)
- Aluminum Coil
- Constantly Air Flow system up to 0.80 In.W.G
- 1 inch R4.2 fiberglass free insulation reduces condensation and boosts efficiency
- Optional Auxiliary heat kit up to 20kW
- Easy Maintenance
- Control options available:
 - MRCOOL Smart 24V Thermostat
- Adaptive Control System
- High efficiency up to 18.8 SEER2, 11 EER2, 9.7 HSPF2
- Chassis heater and crankcase heater equipped as standard



Submittal Data Sheet

Series Name: Versa Pro
Model Number: MVP-60-HP-C-230A00-O / MVP-60-HP-MUAH-230A00-O

High Wall Heat Pump System

Location:	Approval:
Engineer:	Date:
Submitted to:	Construction:
Submitted by:	Unit #:
Reference:	Drawing #:



* Refer to AHRI for Certificates

INDOOR SPECIFICATION

Indoor Air Flow (Turbo/H/M/L/Si)	CFM	1807/1583.33/1359.67/1136/N/A
Indoor Noise Level (Turbo/H/M/L/Si)	dBA	56/52/49/34.5/N/A
Dimension (WxDxH)	inch	21.02 x 24.49 x 52.99
	mm	534 x 622 x 1346
Package (WxDxH)	inch	27.95 x 26.77 x 56.5
	mm	710 x 680 x 1435
Net/Gross Weight	lbs	162.92/190.92
	kg	73.9/86.6

OUTDOOR SPECIFICATION

Compressor Type		ROTARY
Compressor Model		MTH550UKPC8FU
Refrigerant Type		R454B
Refrigerant Oil Charge	mL	1800
Refrigerant Oil		HAF68D1C
Outdoor Air Flow (Max)	CFM	3037.1
Outdoor Noise Level	dBA	65
Dimension (WxDxH)	inch	38.58 x 16.34 x 38.39
	mm	980 x 415 x 975
Package (WxDxH)	inch	45.08 x 19.68 x 42.52
	mm	1145 x 500 x 1080
Net/Gross Weight	lbs	192.90/224.21
	kg	87.5/101.7

EFFICIENCY

Cooling		Heating	
SEER2	15.2	HSPF2-4	8.4
EER2	8.6	COP	3.37

PERFORMANCE of Cooling

Cooling (Btu/hr)		
Rated Capacity	54000	
Min/Max Capacity	21000	55000
Moisture Removal(L/h)	5.82	
Standard Operating Range(°F/°C)	-13~122 (-25~50)	
Conditions:	Indoor: 80°F DB/67°F WB Outdoor: 95°F DB/75°F WB	

ELECTRICAL

Power Supply	V, Hz, Ph	115/208/230V, 60Hz, 1Ph
Indoor MCA 115V/(208/230V)	A	14.5/11
Indoor MOP	A	15
Outdoor Power Supply	V	208/230V, 60Hz, 1Ph
Outdoor MCA	A	39
Outdoor MOP	A	40
Communication Wiring	AWG	20-2
Compressor RLA	A	30
Outdoor Fan Motor RLA	A	1.2
Outdoor Fan Motor	W	250
Indoor Fan Motor RLA	A	8.3
Indoor Fan Motor	W	750
System Power Input @ Cooling	W	6200 (1800~6410)
System Power Input @ Heating	W	4650 (975~4810)

PERFORMANCE of Heating

Heating (Btu/hr)		
1. @ 47°F Rated	54000	
1. @ 47°F Min/Max Capacity	26000	55000
2. @ 17°F Rated	33000	
3. @ 5°F Rated: Capacity / COP	38000	1.8
3. @ 5°F Max: Capacity	38000	
Standard Operating Range(°F/°C)	-13~75 (-25~24)	
1. Conditions:	Indoor: 70°F DB/60°F WB	
	Outdoor: 47°F DB/43°F WB	
2. Conditions:	Indoor: 70°F DB/60°F WB	
	Outdoor: 17°F DB/15°F WB	
3. Conditions	Indoor: 70°F DB/60°F WB	
	Outdoor: 5°F DB/5°F WB	

PIPING

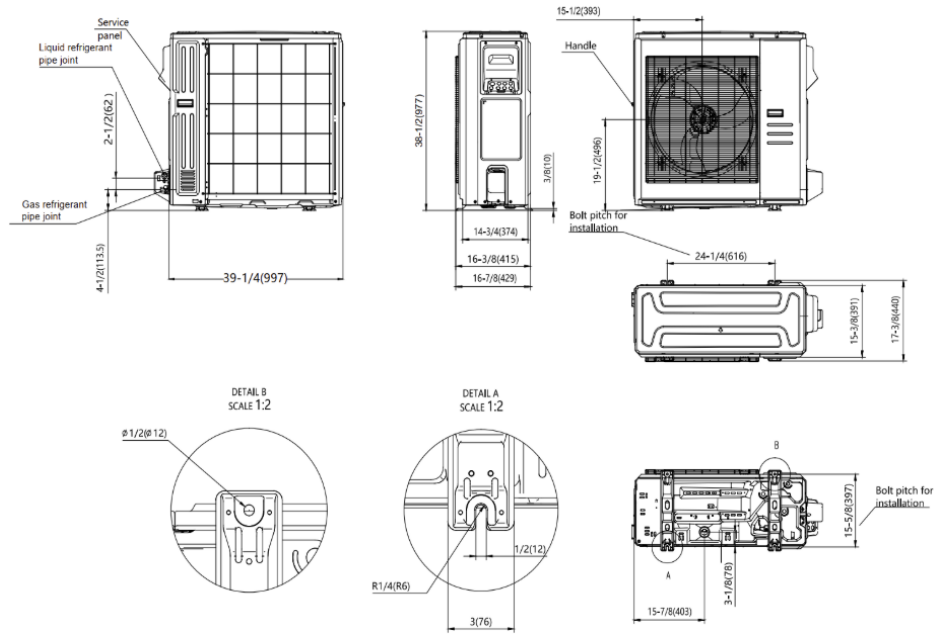
Throttle Type	Indoor	EXV
Throttle Type	Outdoor	EXV
Liquid Size	mm (in)	9.52mm (3/8in)
Gas Size	mm (in)	19mm (3/4in)
Max. Piping Length	ft (m)	246 (75)
Max. Height Difference	ft (m)	98.4 (30)
Max. Pre-charged Length	ft (m)	24.6 (7.5)
Refrigerant Pre-charged Amt.	oz/g	134.04 (3.8)
Additional Charge of Refrigerant	(oz/ft)/(g/m)	0.7 (65)
Connection Method	Flare or Quick Connect	

Indoor Unit Dimension

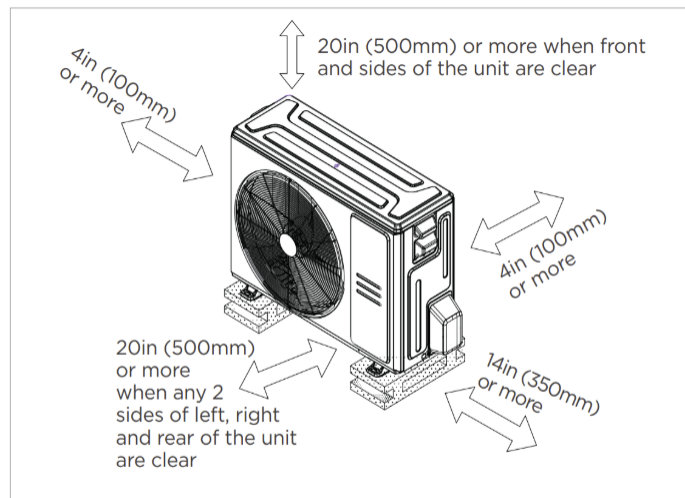


Dimensions	Model	180/24K		300/36K		480/60K	
		inch	mm	inch	mm	inch	mm
A	Model Height	45	1143	49	1245	53	1346
B	Model Width	17-1/2	445	21	534	24-1/2	622
C	Supply Air Opening Width	15-5/8	397	19-1/8	486	22-5/8	575
D	Return Air Opening Width	15-1/8	384	18-5/8	473	22-1/8	562
E	Model Depth	21	534	21	534	21	534
F	Supply Air Opening Depth	10-1/4	260	10-1/4	260	10-1/4	260
G	Return air Opening Depth	18-3/4	476	18-3/4	476	18-3/4	476
H	Supply Air Opening Clearance	15/16	24	15/16	24	15/16	24
I	Return Air Opening Side Clearance	1-1/4	32	1-1/4	32	1-1/8	28
J	Return Air Opening Front Clearance	1-1/2	38	1-5/8	41	1-5/8	41
K	Return Air Opening Back Clearance	5/8	16	5/8	16	3/4	19

Outdoor Unit Dimension

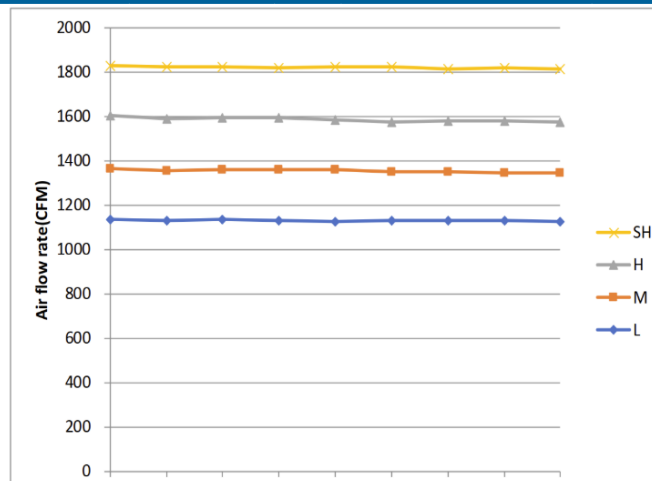


Installation Instruction



☒ Meets all spatial requirements shown in Installation Clearance Requirements above.

Fan Performance For Indoor Unit



0 0.1 0.15 0.2 0.3 0.4 0.5 0.6 0.8
External static pressure (in.w.c.)

Features

- Multi-position installation: horizontal(left or right), vertical(up or down)
- Aluminum Coil
- Constantly Air Flow system up to 0.80 In.W.G
- 1 inch R4.2 fiberglass free insulation reduces condensation and boosts efficiency
- Optional Auxiliary heat kit up to 20kW
- Easy Maintenance
- Control options available:
 - MRCOOL Smart 24V Thermostat
- Adaptive Control System
- High efficiency up to 18.8 SEER2, 11 EER2, 9.7 HSPF2
- Chassis heater and crankcase heater equipped as standard