MAESTRO
TECHNICAL GUIDE

BEAUTIFUL OUTSIDE

COMFORTABLE INSIDE

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MODELS

Maestro Smart 9 HP (115V): Model #02216

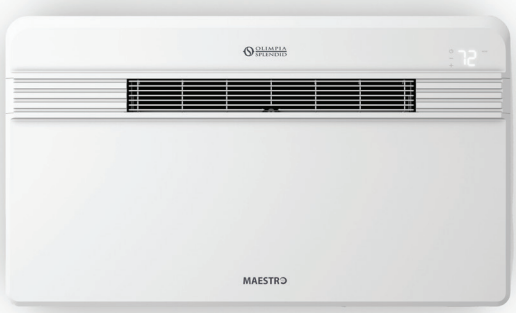
The Smart Series is the year-round comfort solution, providing heating and cooling capacities up to 9,200 BTU/h. The unit is equipped with a multifiltration system, and dehumidification and sleep modes for whisper-quiet operation in residential and commercial applications.

Maestro Pro Inverter 12 HP (115V): Model #01925

The Pro Series, with its industry leading inverter compressor technology and variable-speed fan motor, provides unparalleled comfort with no swings in temperature when heating or cooling your home or business.

Maestro Pro Inverter 12 HP RVU (208/230V): Model #02283

The Pro Series, with its industry leading inverter compressor technology and variable-speed fan motor, provides unparalleled comfort with no swings in temperature when heating or cooling your home or business.



Maestro Pro Inverter 12 HP RVUX (208/230V): Model #02234

The Pro Series, with its industry leading inverter compressor technology and variable-speed fan motor, provides unparalleled comfort with no swings in temperature when heating or cooling your home or business. The unit has a 2.0 kW back up electric heater, which can be field programmed to turn on based on low ambient temperatures.

FEATURES AND FUNCTIONS: MAESTRO PRO INVERTER 12 HP

MODEL #01925

Industry leading inverter compressor technology provides unparalleled comfort in heating and cooling for both residential or commercial applications

Cooling Capacity (BTU/h): Up to 11,600

Heating Capacity (BTU/h): Up to 10,600

Installation Versatility: Low or high wall

Easy installation: Can be installed from inside the space in just a few minutes

Rotating Flap: Provides total air diffusion for consistent temperature throughout the space.

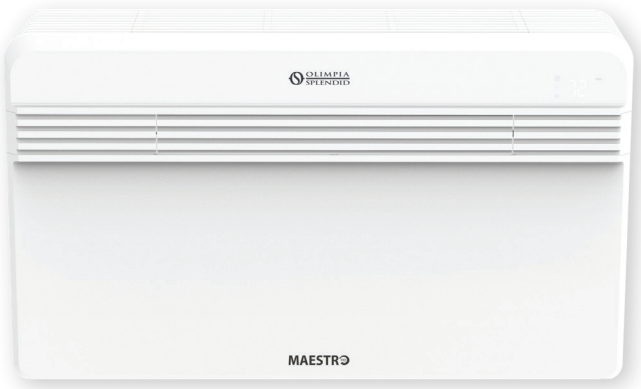
Backlite Display: On-board touch control

User Control Options:

- Multifunction remote (Standard)
- Wired wall mounted thermostat (Optional)
- Wireless wall mounted thermostat (Optional)

24 hour Timer

Sound Transmission: Best in Class STC and OITC



Dehumidification Mode

Controls humidity during mild ambient conditions for increased comfort

Economy Mode

Allows for energy saving by automatically optimizing the unit's performance

Auto Mode

Adjusts comfort settings based on ambient conditions.

Sleep Mode

Gradually increases the temperature setpoint ensuring whisper quiet operation, greater comfort and energy savings while you sleep.

Inverter Compressor

Innovative compressor technology that is versatile and efficient with a wide range of frequencies available and with electronic expansion valve (EXV).

Pro Power

The use of inverter technology provides a capacity boost up to 11,600 BTU/h

Remote Control

"Fully Digital" remote control allows functions such as dehumidification, silent mode, sleep mode and ventilation mode.

Heat Pump

Our reverse cycle heat pumps offer both heating and cooling to provide occupants with year-round comfort. It can also be used as backup heat during shoulder seasons.

Wi-Fi Ready

Industry leading Wi-Fi technology with all the security of the cloud

Variable Speed Fan (ECM)

The fan motor has a variable frequency drive technology installed to control motor speed and torque (V PRO). Designed to eliminate swings in temperature resulting in reduced energy consumption while providing quiet operation in all modes. Variable speed motor maintains a consistent temperature throughout the conditioned space.

Silent Mode

Maestro Pro is designed so the inverter compressor and variable speed fan motor operate for maximum acoustical comfort down to 32 dB(A) (sound pressure). All enclosed in a sleek Italian designed cabinet by Matteo Thun and lined with state-of-the-art sound reducing material. Allows the user to set the system to minimum sound level.

Pure System 2

A multi-filtration system that combines two state of the art filtration technologies:

- **An Electrostatic Filter** designed to eliminate small particles such as smoke, dust, pollen and pet dander to provide relief to people with allergies.

- **An Active Carbon Filter** which eliminates unpleasant odors keeping the indoor air quality fresh and clean.

PERFORMANCE DATA: MAESTRO PRO INVERTER 12 HP

Model			01925	02234	02283
Cooling	Capacity Range (Min - Max)	Btu/h	6,600 - 11,600	6,100 - 10,700	6,600 - 11,600
	Capacity (Rated)	Btu/h	8,300	7,600	8,300
	Input Power (Rated)	W	800	710	800
	Input Power (Max)	W	1,400	1,200	1,400
	Operating Range (Outdoor)	°F/ °C	64°F/18°C-109°F/43°C	64°F/18°C-109°F/43°C	64°F/18°C-109°F/43°C
	Combined Energy Efficiency Ratio	CEER	9.7	13.0	9.7
	Moisture Removal	Pts/h	2.3	2.1	2.3
	Sensible Heat Factor	%	0.7	0.7	0.7
Heating 47°F	Capacity Range (Min - Max)	Btu/h	6,200 - 10,600	5,800 - 10,200	6,200 - 10,600
	Capacity (Rated)	Btu/h	8,450	8,050	8,450
	Input Power (Rated)	W	825	800	825
	Input Power (Max)	W	1,400	1,200	1,400
	Energy Efficiency	COP	3.0	2.9	3.0
	Operating Range (Outdoor)	°F	5°F/-15°C-75°F/24°C	5°F/-15°C-75°F/24°C	5°F/-15°C-75°F/24°C
	Defrost Method		Reverse cycle	Reverse cycle	Reverse cycle
Heating 17°F	Capacity Range (Min - Max)	Btu/h	2,900 - 4,900	2,700 - 4,700	2,900 - 4,900
	Input Power (Min-Max)	W	390 - 930	370 - 890	390 - 930
	Energy Efficiency (Min-Max)	COP	2.15 - 1.54	2.13 - 1.53	2.15 - 1.54
Heating 5°F	Capacity Range (Min - Max)	Btu/h	2,200 - 4,000	2,100 - 3,800	2,200 - 4,000
	Input Power (Min - Max)	W	340 - 780	320 - 730	340 - 780
	Energy Efficiency (Min - Max)	COP	1.90 - 1.50	1.53 - 1.92	1.90 - 1.50
Sound	STC (Sound Transmission Class)		36	36	36
	OITC (Outdoor/Indoor Transmission Class)		25	25	25
	Sound Level	dB(A) min-max	32 - 43	32 - 43	32 - 42
	Outdoor	dB(A)	up to 53	up to 53	up to 53

- Test condition: Data refers to conditions and parameters as required by DOE requirements governing this product type.
  HEATING MODE: Outdoor Ambient Temperature DB 47°F/8.3°C WB 43°F/6°C; Indoor Ambient DB 70°F/21°C - WB 60°F/15.6°C
  COOLING MODE: Outdoor Ambient Temperature DB 95°F/35°C WB 75°F/24°C; Indoor Ambient DB 80°F/26.7°C - WB 67°F/19.4°C
- Maximum capacity achieved with Power Pro Boost inverter technology. To achieve full capacity and efficiency 8" diameter openings are recommended. Alternately, 6.5" diameter openings can be used however there is a corresponding loss to capacity and efficiency which can vary based on the specific application.
- CEER is calculated according to the AHAM RAC-1-2020 standard. The Combined Energy Efficiency Ratio (CEER) is a standard that measures the combined efficiency of the unit when it is in standby and when it's actually cooling a space
- Test conditions for sound ratings are conducted as per DOA rating conditions, conducted in a sound chamber performed at a distance of 6.5 feet (2 meters). Minimum sound pressure values are rated in ventilation mode only.
- STC and OITC calculated by an independent 3rd party in accordance with ASHRAE standards.

ELECTRICAL, COMPRESSOR & AIRFLOW: MAESTRO PRO INVERTER 12 HP

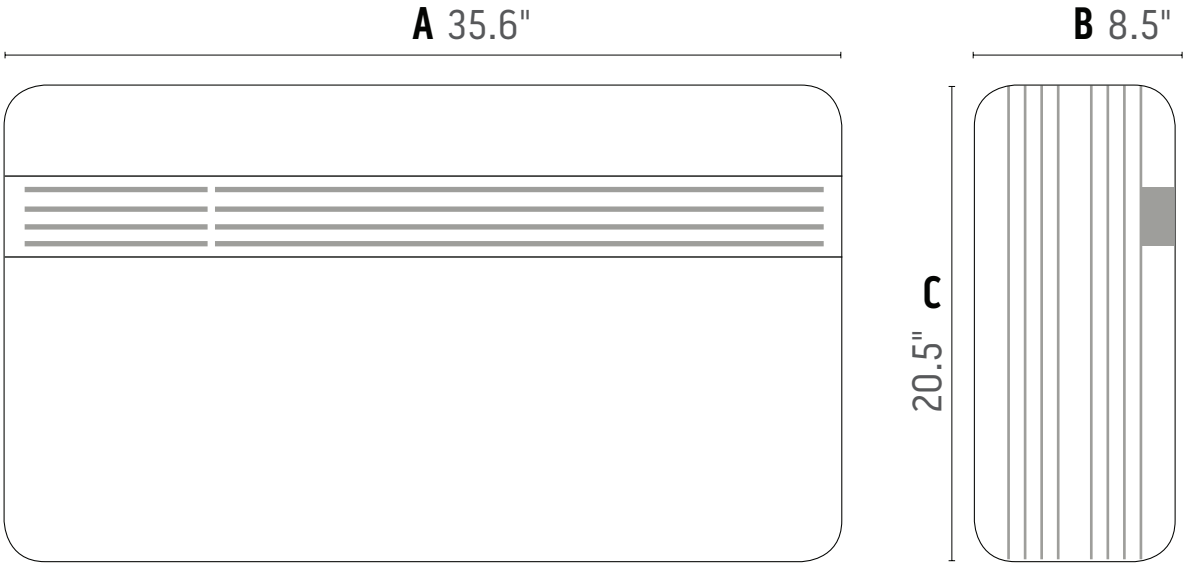
Model			01925	02234	02283
Compressor	Type		Rotary Inverter	Rotary Inverter	Rotary Inverter
	Brand		GMCC	GMCC	GMCC
	RLA	A	4.9	4.9	4.9
	Refrigerant	ASHRAE #	R-410A	R-410A	R-410A
	Refrigerant Factory Charge	lbs - oz	1 - 5	1 - 5	1 - 5
	Oil	Type	VG74	VG74	VG74
		Oz.	9.5	9.5	9.5
Electrical	Voltage	AC Volts	115	208 - 230	208 - 230
	Volt Range		98 - 127	187 - 253	187 - 253
	Hz/Phase		60-1	60-1	60-1
	Power Supply		LCDI power cord	LCDI power cord	LCDI power cord
	Power Factor		0.85	0.85	0.85
	Cooling (Rated)	A	9.7	3.5	4.8
	Heating (Rated)	A	9.9	3.8	5
	Outdoor EC Fan Motor	F.L.A.	1.93	0.97	0.97
		HP	0.17	0.17	0.17
	Indoor EC Fan Motor	F.L.A.	.33	.14	.14
	MCA	A	10.9	12.5	12.5
	MOCP	A	15	15	15
	Input Power (standby)	W	3	3	3
	Input Power (off mode)	W	.5	.5	.5
Airflow	Indoor	Type	ECM	ECM	ECM
		CFM	Up to 245	Up to 290	Up to 245
		Speeds	3	3	3
		dB(A)	Up to 41	Up to 41	Up to 41
	Outdoor	Type	ECM	ECM	ECM
		CFM	Up to 350	Up to 350	Up to 350
		Speeds	6	6	6
		dB(A)	51	51	51
		Vent	6.4" - 8"	6.4” - 8”	6.4” - 8”

PHYSICAL DATA: MAESTRO PRO INVERTER 12 HP

Model			01925	02234	02283
Controls	Basic Functionality		Backlit, Dimable, On-board Touch Controller		
	WiFi		Optional	Optional	Optional
	Third Party Controller Compatibility		Optional for Standard and Smart Thermostats		
	BACnet/Modbus Compatible		Yes	Yes	Yes
	ADA Compliant		Yes	Yes	Yes
	Dry Contact		Yes	Yes	Yes
	Restricted Options		Key Pad Lock	Key Pad Lock	Key Pad Lock
	Power Outage Restart		Returns to Last Setting		
Modes	Operation		Cooling, Heating, Dehumidify, Fan Only, Auto		
	Restricted Modes		Heat Only, Cool Only, Temperature Limiting		
	Timers		24 Hour	24 Hour	24 Hour
Condensate Removal	Cooling		Built-in condensate slinger and disposal via gravity drain		
	Heating (Heat Pump)		Gravity Drain	Gravity Drain	Gravity Drain
	Drain Pipe Size	In.	0.8"	0.8"	0.8"
External Vents	Vent Pipes	In.	6.4" - 8"	6.4" - 8"	6.4" - 8"
	Grilles		Standard and Custom Options Available		
Physical Data	Unit	W/H/D	35.5" x 20.4" x 8.5"	35.5" x 20.4" x 8.5"	35.5" x 20.4" x 8.5"
	Shipping	W/H/D	38.6" x 24" x 13"	38.6" x 24" x 13"	38.6" x 24" x 13"
	Net Weight	Lbs.	86	86	86
	Shipping Weight	Lbs.	93	93	93
	Cabinet	Color	RAL 9003	RAL 9003	RAL 9003
		Finish	Specular high gloss	Specular high gloss	Specular high gloss
		Material	Plastic	Plastic	Plastic
Certification	Safety		UL 60335-2-40	UL 60335-2-40	UL 60335-2-40
	Energy Efficiency		AHAM RAC-1-2020	AHAM RAC-1-2020	AHAM RAC-1-2020
Warranty	1 Year (Limited)		Unit Replacement	Unit Replacement	Unit Replacement
	2 Years (Limited)		Parts	Parts	Parts
	7 Years (Limited)		Compressor	Compressor	Compressor
Origin	Country of Origin		Italy	Italy	Italy

APPLICATION & INSTALLATION: MAESTRO PRO INVERTER 12 HP

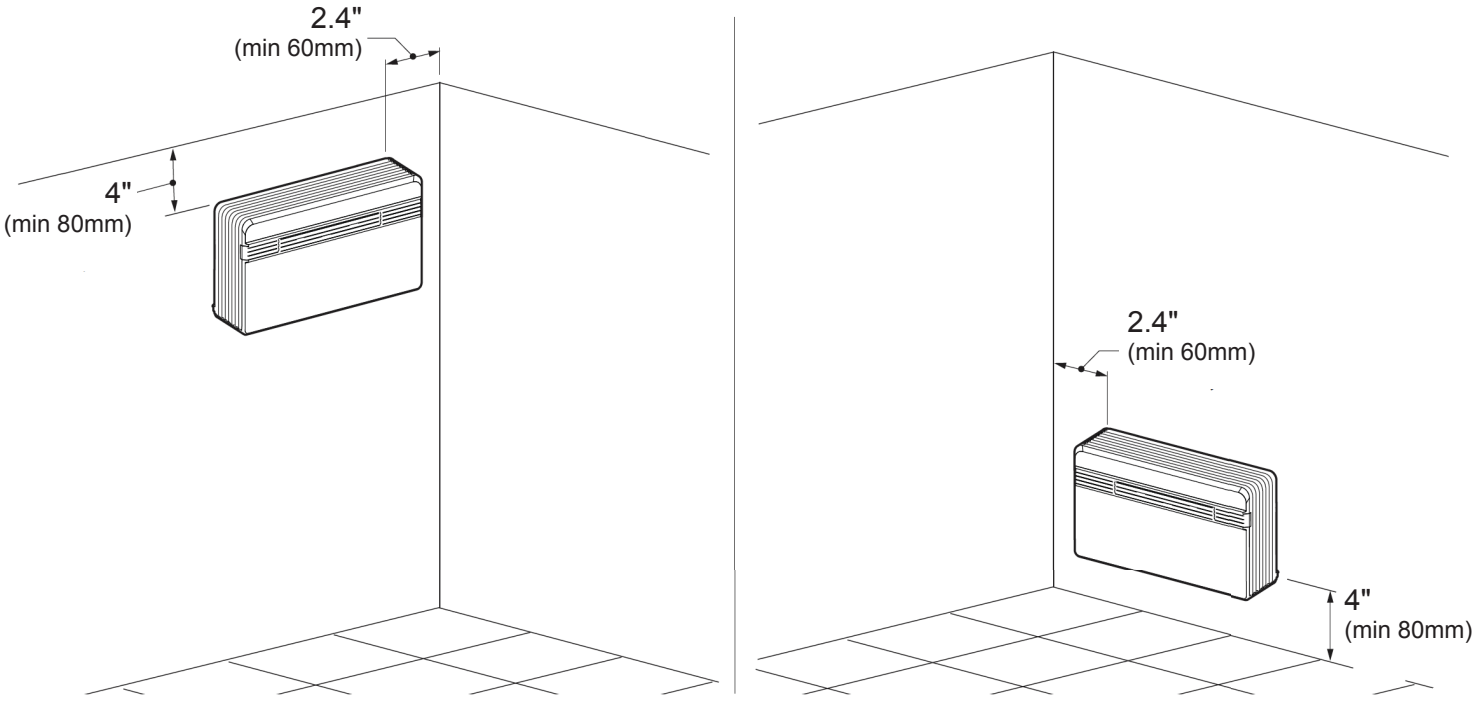
DIMENSIONS:



Unit Dimensions

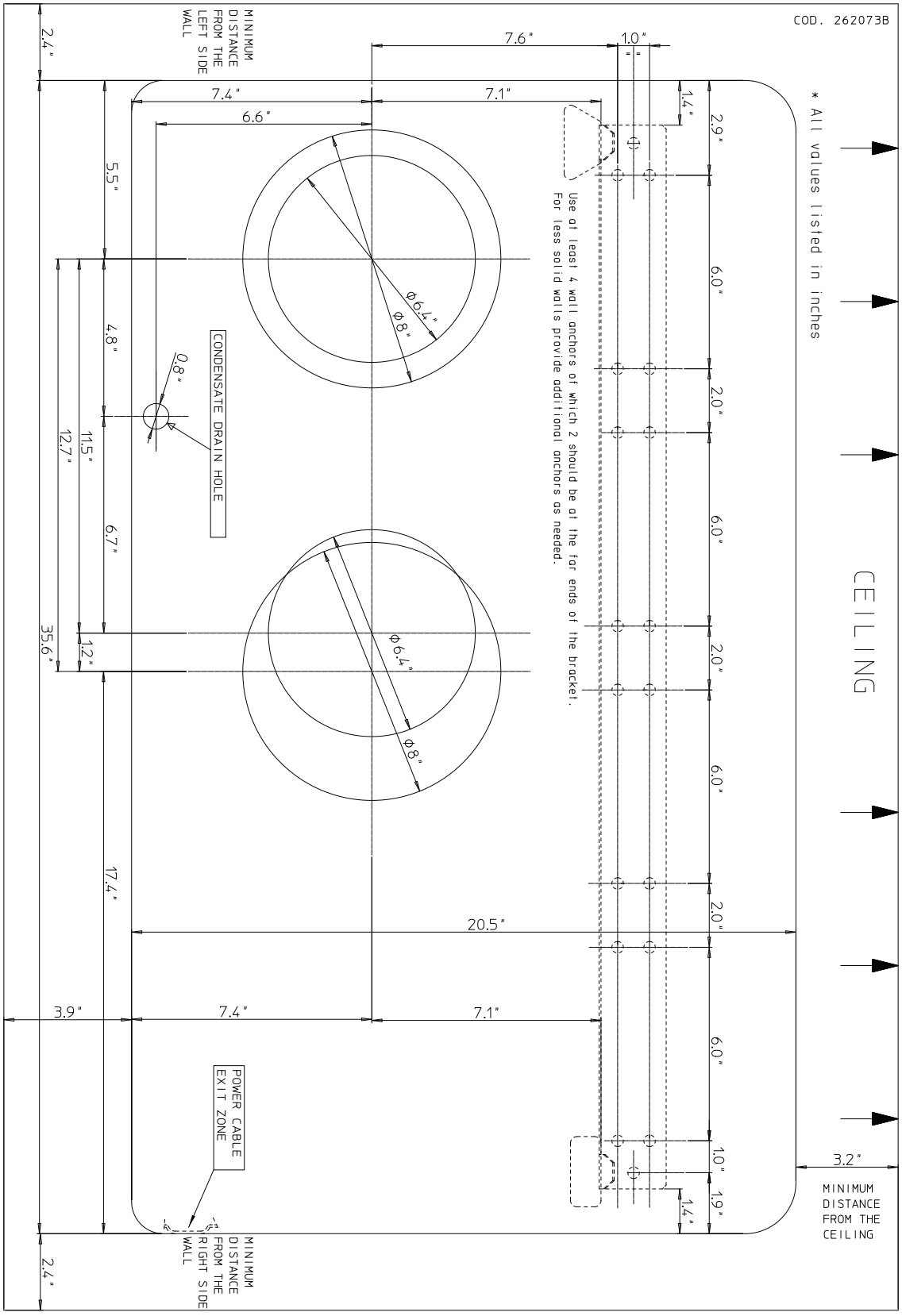
A	B	C	Weight
35.6”	8.5”	20.5”	86 lbs

CLEARANCES:

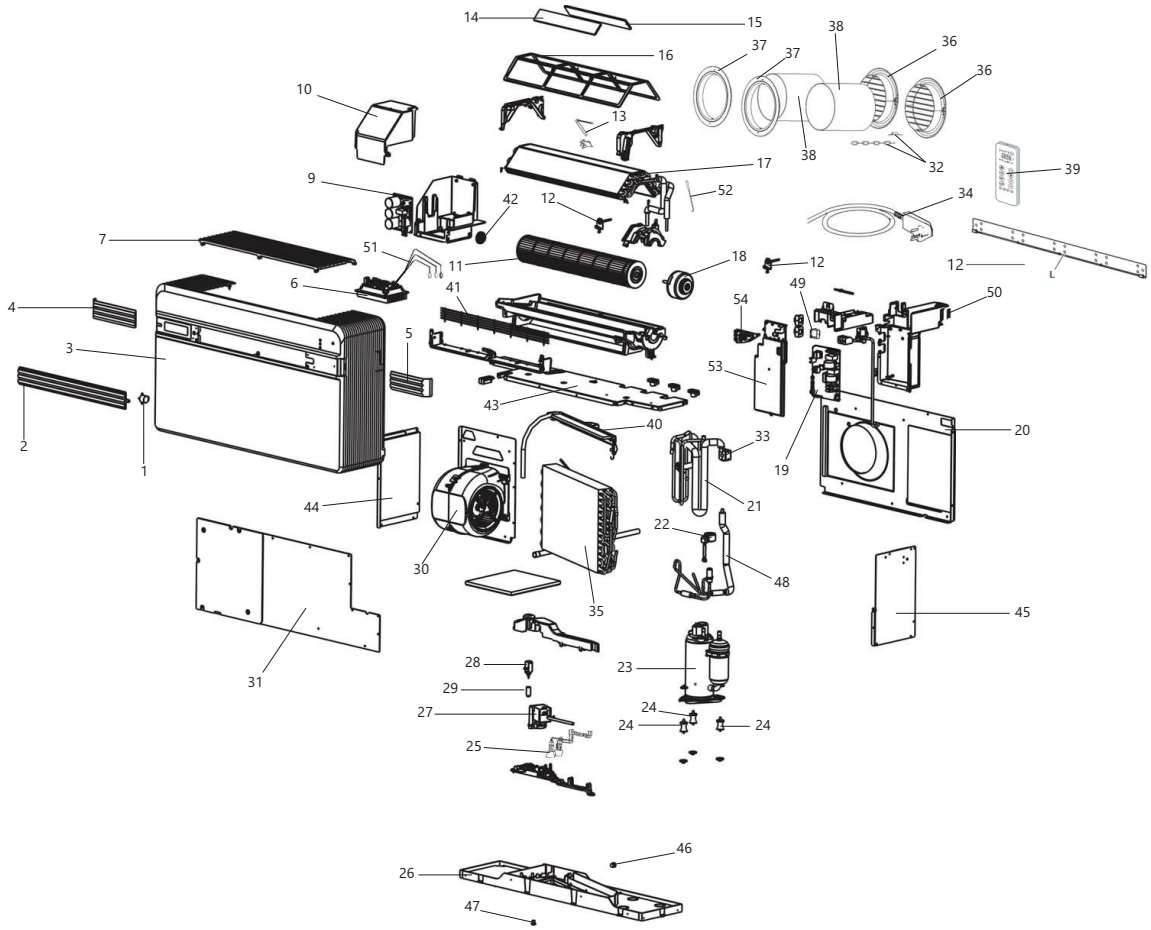


INSTALLATION TEMPLATE

MAESTRO PRO INVERTER 12 HP:

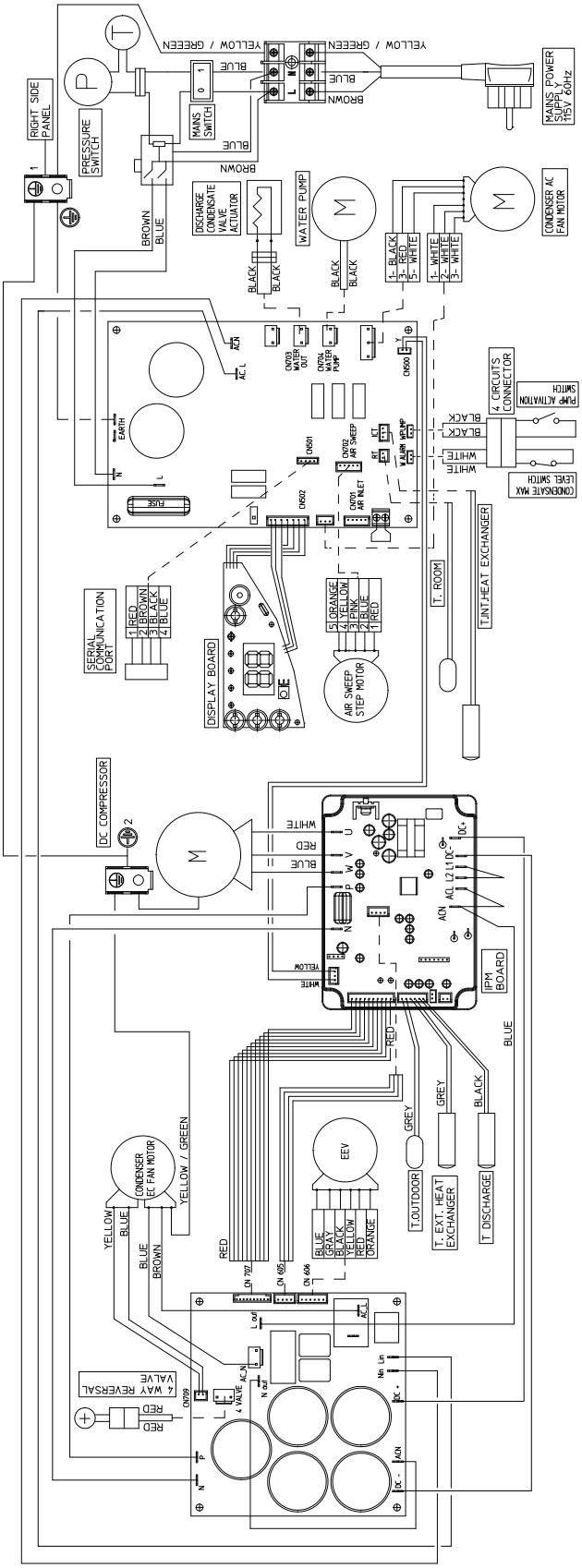


PARTS: MAESTRO PRO INVERTER 12 HP

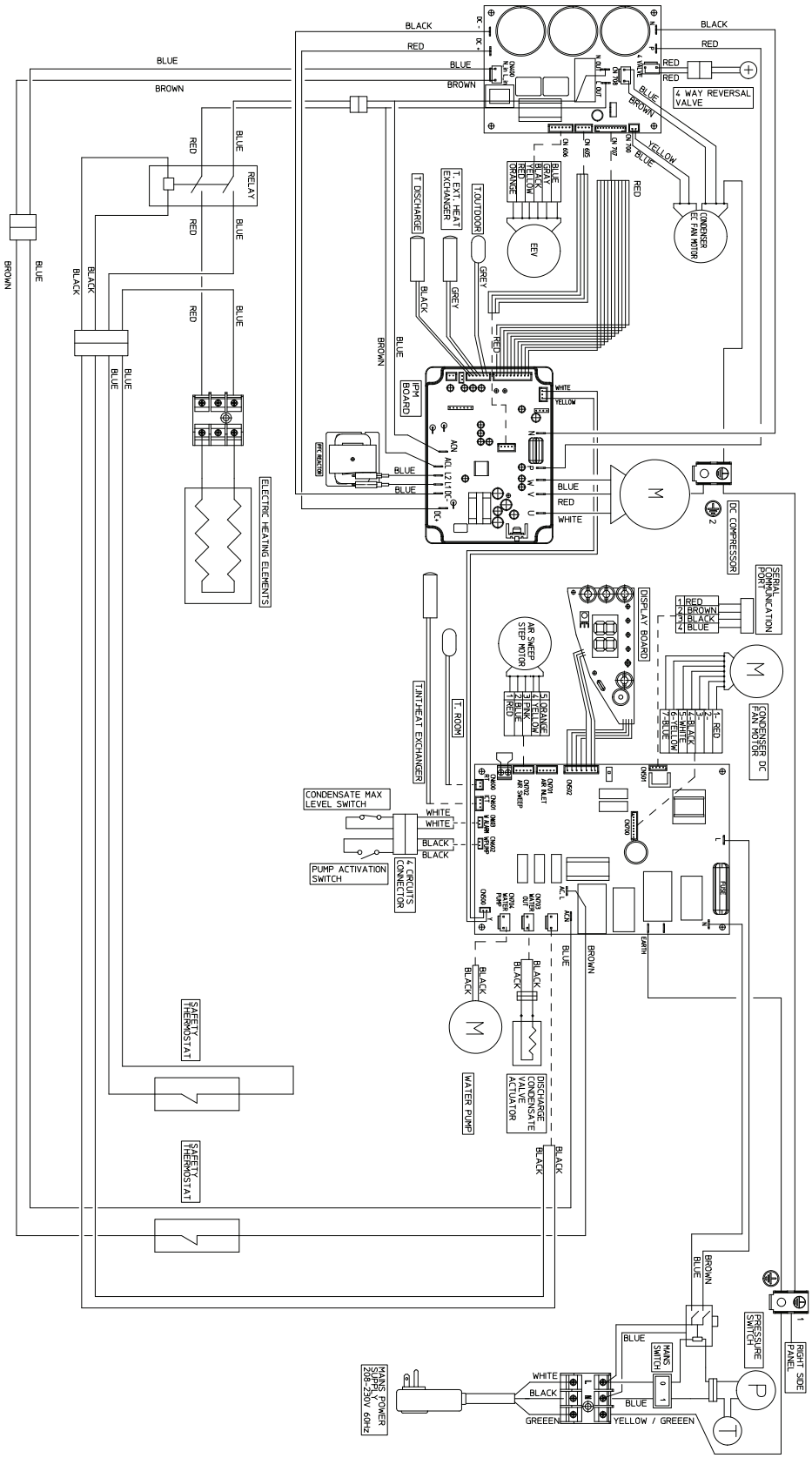


1. Step Motor - Part #277816A
2. Flap - Part #282642B
3. Aesthetic Group - Part #595366A
4. Left Mask - Part #282730A
5. Right Mask - Part #282733A
6. Main ODU Inverter Board 115V - Part # 277912C
7. Upper Panel - Part #282732A
9. IPM Board - Part #277900A
10. ODU Board Cover - Part #282786A
11. Tangential Fan - Part #282740A
12. Pro mounting Bracket - Part #214268A
13. Room Temperature Sensor - Part #255436A
14. Carbon Filter - Part #K070011500A
15. Particulate Filter - Part #K070011600A
16. Mesh Filter - Part #282739A
17. Evaporator Heat Exchanger Group - Part #595269A
18. Evaporator Motor - Part #277914A
19. Main Board HP ASK89 - Part #277901C
20. Rear Panel - Part #595230A
21. Four Way VAL ASSY - Part #595357A
22. Expansion Valve Coil - Part #277831A
23. Compressor - Part #277917A
24. Vibration Dumping for Compressor - Part #281502A
25. Float Assembly - Part #595177A
26. Lower Drain Pan - Part #282712A
27. Pump - Part #277819B
28. Thermal Actuator - Part #277865A
29. Actuator Plug - Part #282715A
30. Condenser fan assembly - Part #595307A
31. Front Cover Group - Part #595354A
32. Spring and Chain kit - Part #599922A
33. Four Way Coil Assy - Part #595257A
34. LCDI Power Cable (Tower 30380) - Part #K160010400A
35. Condenser Heat Exchanger Assy - Part #595264A
36. Exterior grille set of 2 - Part #594825A
37. Inner rings set of 2 - Part #282465A
38. Duct Sleeves - Part #242440A
39. Pro Remote Control - Part #592585C
40. Slinger - Part #595221B
41. Protection Grid - Part #214691B
42. Fan Elastic Mount - Part #279391A
42. Teflon Bearing - Part #279392A
43. Condensing Cover Group - Part #595234B
44. Left Panel Group - Part #595233A
45. Right Panel Group - Part #595355A
46. Main Drain Plug - Part #K190000500A
47. Secondary Drain Plug - Part #242473A
48. Expansion valve assembly - Part #595358A
49. Relais Finder 120VAC/16A 250V - Part #277885A
50. Bipolar Switch - Part #276986A
51. ODU Temperature Sensors - Part #255435A
52. IDU Heat-Exchang.Temperature - Part #255437A
53. IDU Board Front Cover 115v - Part #282789A
54. Display Electric Board - Part #277890A

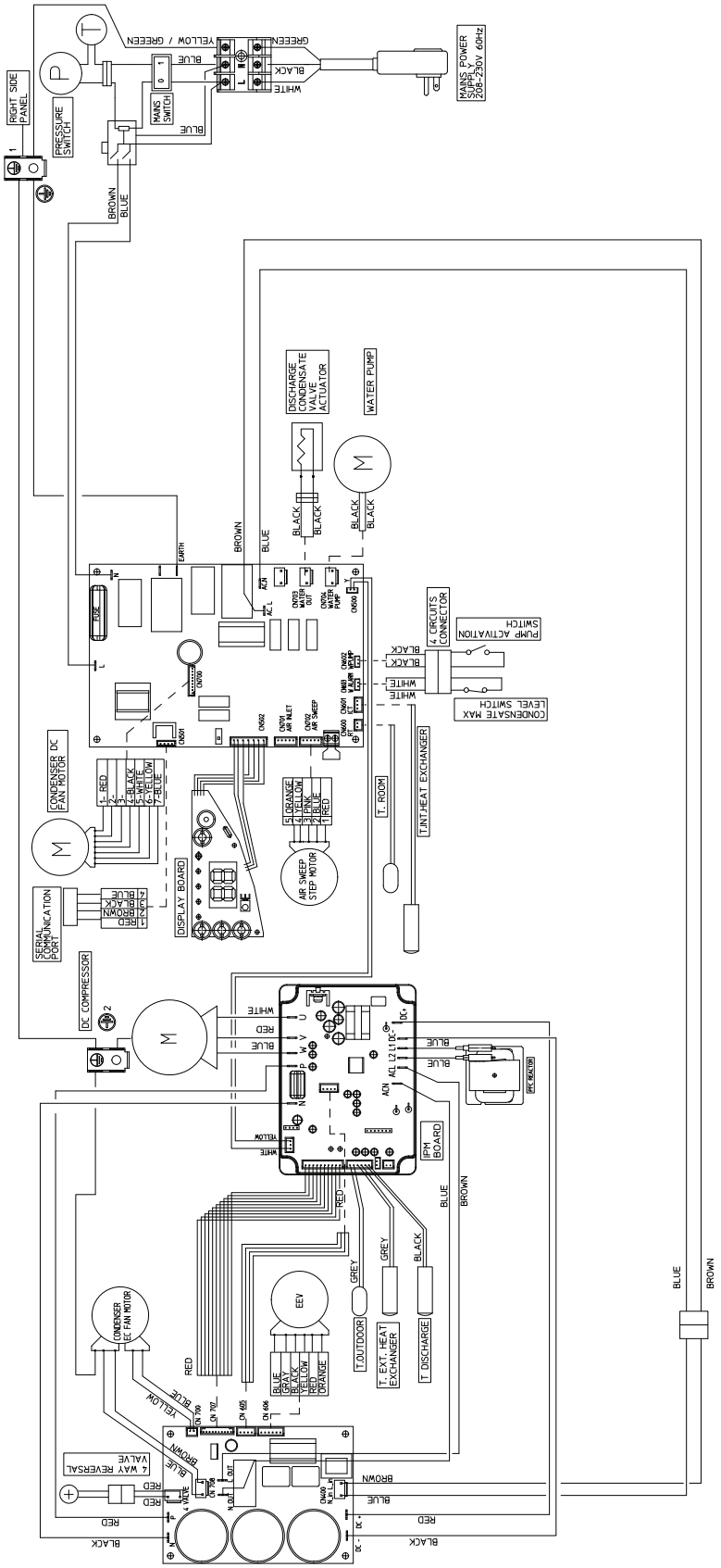
WIRING DIAGRAM:
MAESTRO PRO INVERTER 12 HP (115V)
MODEL #1925



WIRING DIAGRAM:
MAESTRO PRO INVERTER 12 HP WITH 2KW ELECTRIC HEAT (230V)
MODEL #2234



WIRING DIAGRAM:
MAESTRO PRO INVERTER 12 HP (230V)
MODEL #2283



FEATURES AND FUNCTIONS: MAESTRO SMART 9 HP

MODEL #02216

Designed to provide quiet and efficient comfort cooling and heating for both residential or commercial spaces.

Cooling Capacity (BTU/h): 9,200

Heating Capacity (BTU/h): 8,500

Comfort Model: Heat Pump

Refrigerant: R410A

Installation Versatility: High or low wall

Easy installation: Can be installed from inside the space in just a few minutes

Rotating Flap: Provides total air diffusion for consistent temperature throughout the space

User Control Options:
- Multifunction remote (Standard)
- Wireless Wall Mounted Thermostat (Optional)

24 hour Timer

Sound Transmission: Best in Class STC and OITC

Dehumidification Mode

Reduces airflow to increase the amount of moisture removed from the space.

Fan Mode

Adjustable 3 speed fan with fan only mode to optimize air circulation

Auto Mode

Adjusts setpoint based on ambient temperature

Sleep Mode

Gradually increases the temperature setpoint ensuring whisper quiet operation, greater comfort and energy savings while you sleep.

Heat Pump

Our reverse cycle heat pumps offer both heating and cooling to provide occupants with year-round comfort. It can also be used as backup heat during shoulder seasons.

Comfort Cooling

Cooling capacity can reach up to 9,200 BTU/h providing occupants with unparalleled temperature and humidity control of their indoor environment.

Industry Leading Italian Design:

Maestro Smart is the first AC or HP that does not require an outdoor unit! Only two louvered penetrations can be seen on the exterior of the building or home.

Pure System 2

A multi-filtration system that combines two state of the art filtration technologies:

- **An Electrostatic Filter** designed to eliminate small particles such as smoke, dust, pollen and pet dander to provide relief to people with allergies.

- **An Active Carbon Filter** which eliminates unpleasant odors keeping the indoor air quality fresh and clean.

Wi-Fi Ready

Industry leading Wi-Fi technology with all the security of the cloud

PERFORMANCE DATA: MAESTRO SMART 9 HP

Model			02216
Cooling	Capacity (Max)	Btu/h	9,200
	Input Power (Rated)	W	930
	Operating Range (Outdoor)	°F/ °C	64°F/18°C-109°F/43°C
	Combined Energy Efficiency Ratio	CEER	9.3
	Moisture Removal	Pts/h	2.5
	Sensible Heat Factor	%	.7
Heating 47°F	Capacity (Rated)	Btu/h	8,500
	Input Power (Rated)	W	850
	Input Power (Max)	W	1,000
	Energy Efficiency	COP	2.9
	Operating Range (Outdoor)	°F/ °C	5°F/-15°C-75°F/24°C
	Defrost Method		Reverse cycle
Heating 17°F	Rated Capacity	Btu/h	3,400
	Input Power (Rated)	W	600
	Energy Efficiency (Rated)	COP	1.66
Heating 5°F	Rated Capacity	Btu/h	2,700
	Input Power (Rated)	W	570
	Energy Efficiency	COP	1.39
Sound	STC (Sound Transmission Class)		36
	OITC (Outdoor/Indoor Transmission Class)		25
	Sound Level	dB(A) min-max	33-42
	Outdoor	dB(A)	Up to 56

- CEER is calculated according to the AHAM RAC-1-2020 standard.
- The Combined Energy Efficiency Ratio (CEER) is a standard that measures the combined efficiency of the unit when in standby and cooling modes
- The sound pressure level was measured in a sound testing at a 6.5 ft distance from the front of the unit meter of height. Min means internal noise fan only at minimum speed.
- STC and OITC (Sound Transmission) calculated by an independent 3rd party as per ASHRAE standards
- Data plate amps listed as 12amps is based on a power factor of .86 using 1150 watts at 115vac MOCP is 15 amp breaker

ELECTRICAL, COMPRESSOR & AIRFLOW: MAESTRO SMART 9 HP

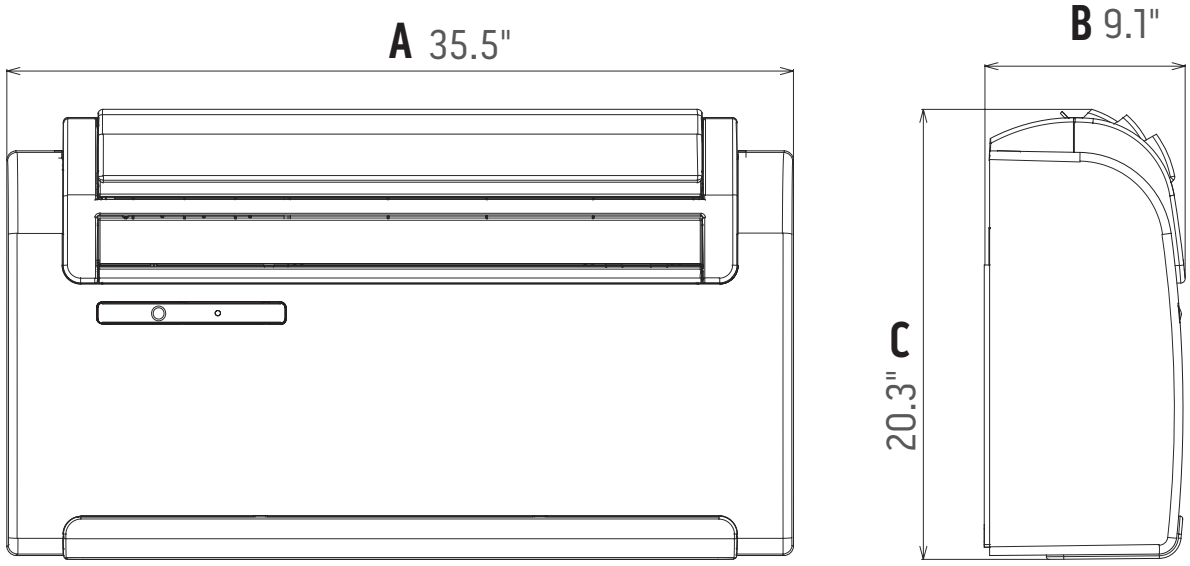
Model			02216
Compressor	Type		Rotary
	Brand		GMCC
	RLA	A	6.6
	LRA	A	38.9
	Refrigerant	ASHRAE #	R-410A
	Refrigerant Factory Charge	lbs - oz	1 - 7
	Oil	Type	VG74
		Oz.	10.1
Electrical	Voltage	AC Volts/Phase/Hertz	115
	Volt Range	Volts	109-127
	Hz/Phase		60-1
	Power Supply		LCDI power cord
	Power Factor		.91
	Cooling (Rated)	A	8.3
	Heating (Rated)	A	8.15
	Outdoor EC Fan Motor	F.L.A.	.65
		HP	.06
	Indoor EC Fan Motor	F.L.A.	.44
	MCA	A	11
	MOCP	A	15
	Input Power (standby)	W	.5
	Input Power (off mode)	W	.5
Airflow	Indoor	Type	PSC
		CFM	Up to 215
		Speeds	3
		dB(A)	Up to 40
	Outdoor	Type	ECM - Variable
		CFM	265
		Speeds	1
		dB(A)	Up to 54
		Vent	6.4" - 8"

PHYSICAL DATA: MAESTRO SMART 9 HP

Model			02216
Controls	Basic Functionality		Dimable
	WiFi		Optional
	Third Party Controller Compatibility		Optional for Standard and Smart Thermostats
	BACnet/Modbus Compatible		Yes
	ADA Compliant		Yes
	Dry Contact		Yes
	Restricted Options		Key Pad Lock
	Power Outage Restart		Returns to previous setting
Modes	Operation		Cooling, Heating, Dehumidify, Fan Only, Auto
	Restricted Modes		Heat Only, Cool Only, Temperature Limiting
	Timers		24 Hour
Condensate Removal	Cooling		Built-in condensate slinger and disposal via gravity drain
	Heating (Heat Pump)		Gravity Drain
	Drain Pipe Size	In.	0.8”
External Vents	Vent Pipes	In.	6.4” - 8”
	Grilles		Standard and Custom Options Available
Physical Data	Unit	W/H/D	35.5” x 20.25” x 9”
	Shipping	W/H/D	38.5” x 24” x 14”
	Net Weight	Lbs.	88
	Shipping Weight	Lbs.	97
	Cabinet	Color	RAL 9003
		Finish	Specular high gloss
		Material	Plastic
Certification	Safety		UL 60335-2-40
	Energy Efficiency		AHAM RAC-1-2020
Warranty	1 Year (Limited)		Unit Replacement
	2 Years (Limited)		Parts
	7 Years (Limited)		Compressor
Origin	Country of Origin		Italy

APPLICATION & INSTALLATION: MAESTRO SMART 9 HP

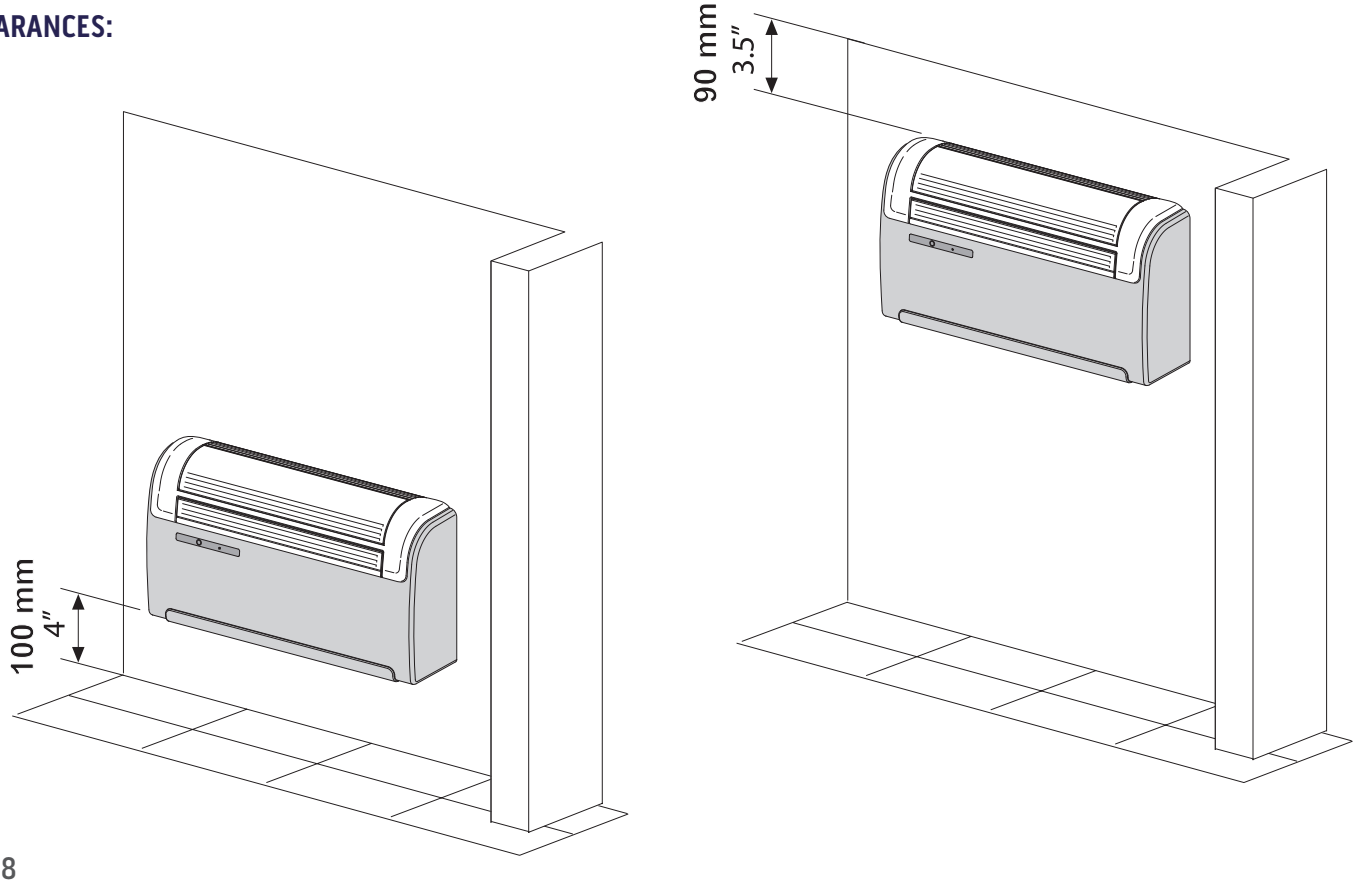
DIMENSIONS:



Unit Dimensions

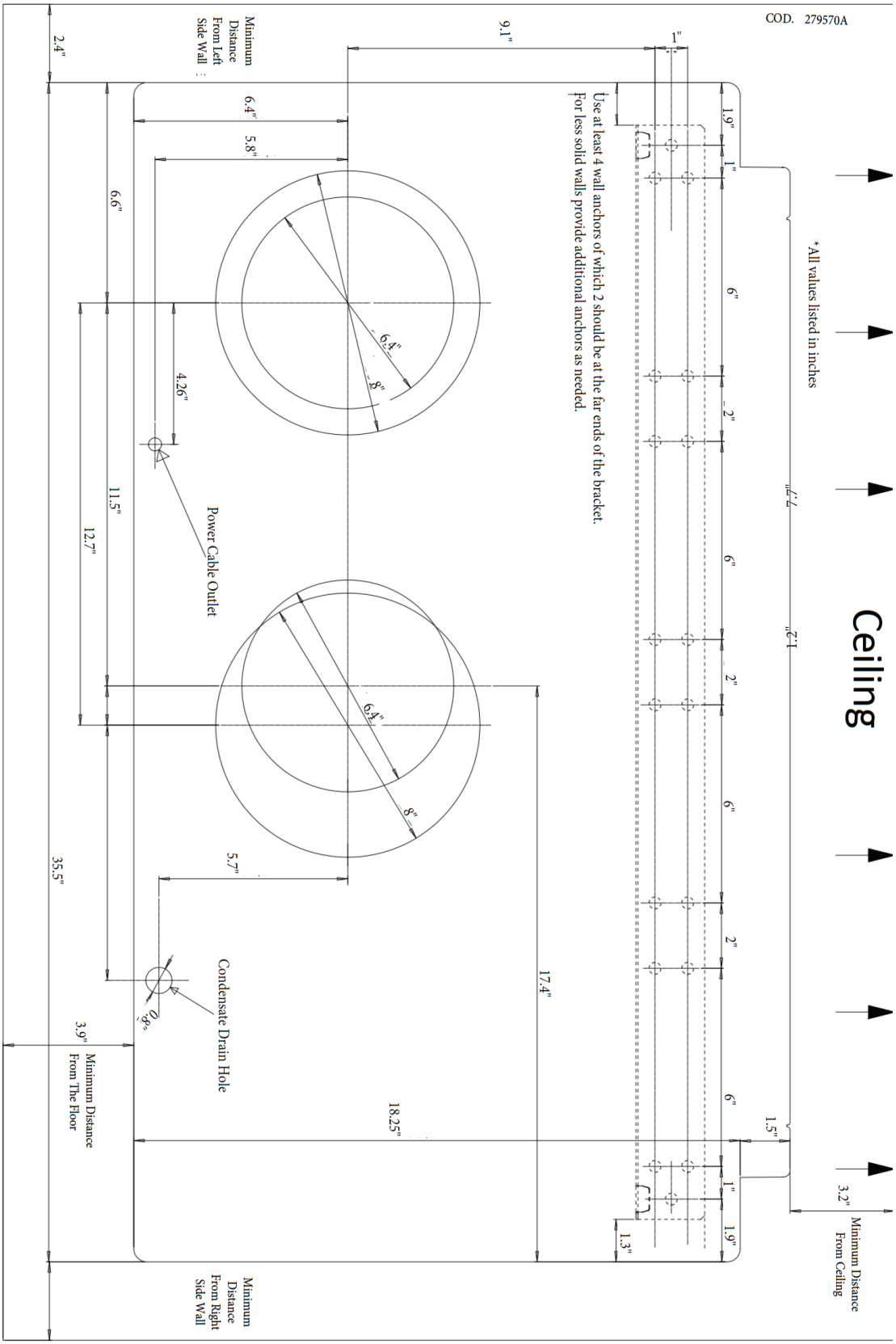
A	B	C	Weight
35.5”	9.1”	20.3”	88.2 lbs

CLEARANCES:

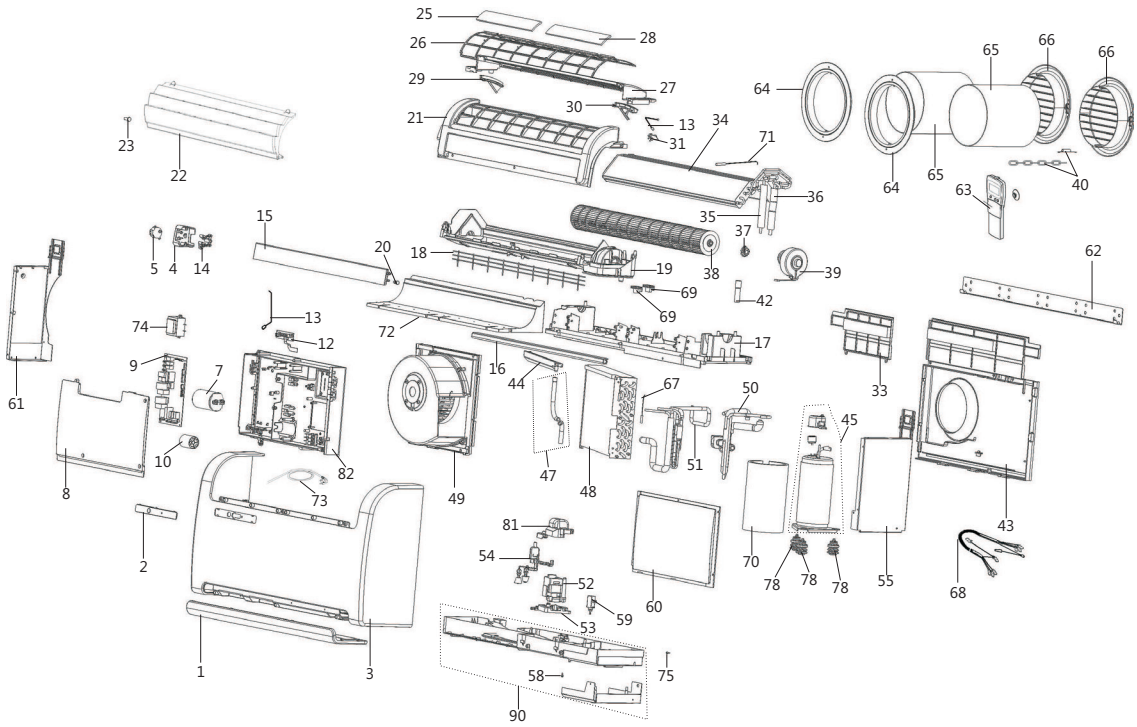


INSTALLATION TEMPLATE

MAESTRO SMART 9 HP:

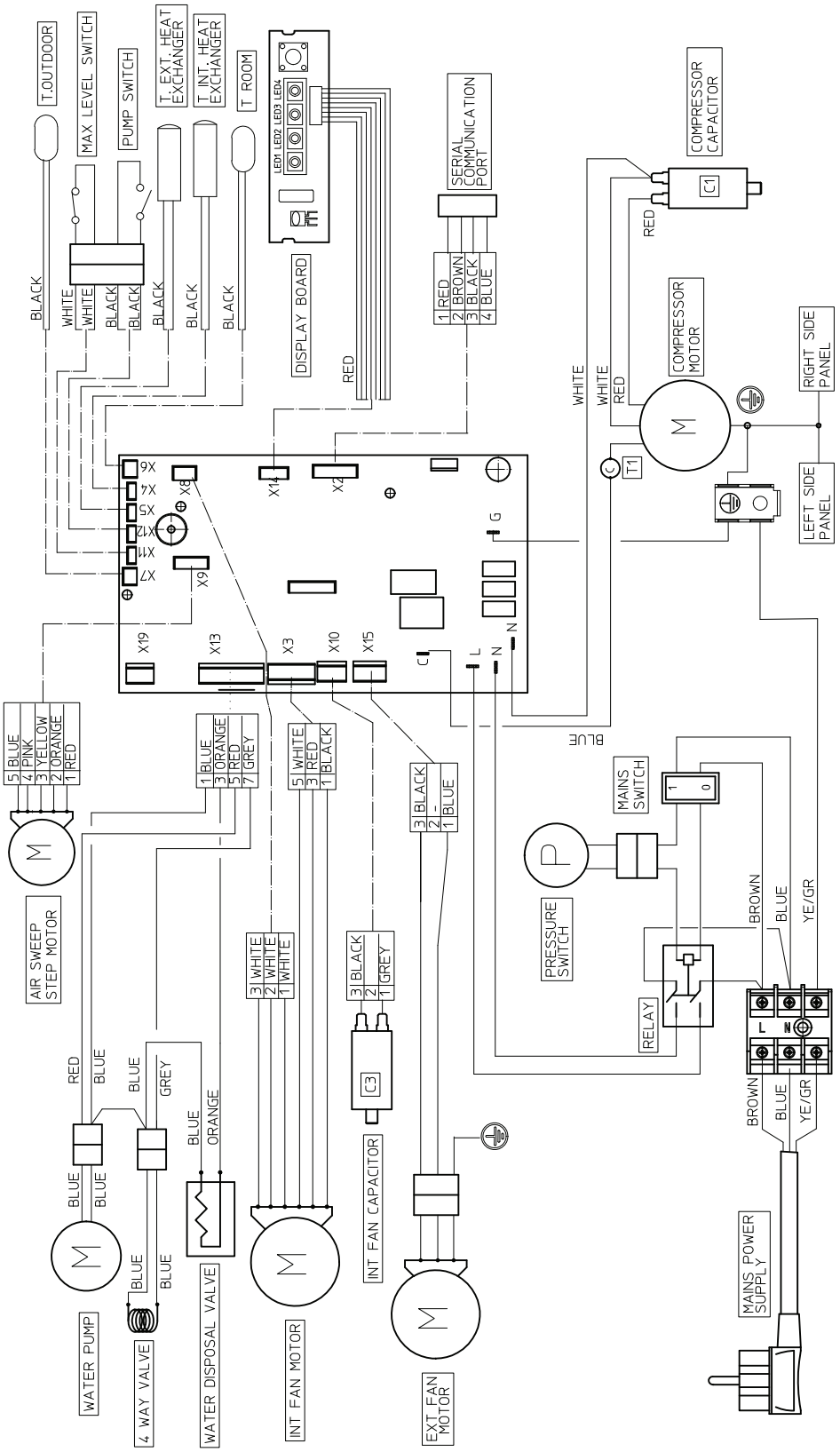


PARTS: MAESTRO SMART 9 HP



1. Lower Cover - Part #282457A
3. Body - Part #595212B
4. Lever Cover - Part #282446A
5. Step Motor - Part #276856A
7. Capacitor 50MF - Part #277877A
8. Electronic Cover - Part #282880A
9. Electronic Board - Part #277866B
10. Capacitor 3,5MF - Part #277881A
12. Electronic Display - Part #276875A
13. Room Temp. Sensor - Part #255942A
14. Lever - Part #282447A
14. Air Sweep Lever - Part #282448A
14. Lower Motor Lever - Part #282449A
14. Lower Air Sweep Lever - Part #282459A
14. Motor Lever - Part #282460A
15. Flap - Part #282443A
16. Upper Screw Cover - Part #282440A
17. Upper Drain Pan - Part #282451C
18. Protection Grid Narrow Pitch - Part #213258A
19. Drain Pan Mount - Part #282453C
20. Male Pin - Part #281871A72
21. Front Cover - Part #282438A
22. Suction Grid - Part #282470A
23. Suction Grid Pin - Part #282471A
25. Carbon Filter - Part #K070011500A
26. Filter Assembly - Part #594888A
27. Upper Grid - Part #282456A
28. Particulate Filter - Part #K0700116A
29. SX Filter Saddle - Part #282454A
30. DX Filter Saddle - Part #282455A
31. Probe Support - Part #K070003000A
33. Rear Panel Assy - Panel #594788A
34. Connection 1 Pipe - Part #254587A
34. Connection 2 Pipe - Part #254588A
34. Front Evaporator Heat Exchanger - Part #256536B
34. Condenser Coil - Part #256537B
35. Inlet Pipes Group - Part #254585A
36. Outlet Pipes Group - Part #254586A
37. Fan Bearing Group - Part #L020006800A
38. Tangential Fan - Part #282452A
39. Indoor AC Motor - Part #277880A
40. Spring and Chain hardware - Part #599922A
42. Tube Assy - Part #594943A
43. Rear Panel Assy - Part #595188A
44. Slinger - Part #594765A
45. Compressor - Part #277878A
47. Spring-Tube Assy - Part #594886A
48. Condenser Heat Exchanger Group - Part #594772B
49. Fan Motor 115V 50-60HZ Assy - Part #595190A
50. Four Way Val Assy - Part #595265B
51. Capillary Assy - Part #594767B
52. Pump - Part #277870B
53. Pump Mount - Part #282467A
54. Float Switch Assembly - Part #575984A
55. Right Panel Assy - Part #594777A
58. Draining Cup - Part #242473A
59. Thermal Actuator - Part #277865A
59. Obturator - Part #282120A
59. Obturator Cover - Part #282208B
60. Front Panel Assy - Part #594779B
61. Left Panel Assy - Part #594778C
62. Smart Bracket - Part #213264A
63. Smart Remote control (F) - Part #277820A
63. Smart Remote control (C) - Part #276292B
63. Smart Remote control (black) - Part #592587B
64. Inner Ring - Part #282465A
65. Duct sleeve - Part #242440A
66. Exterior Grille - Part #594825A
67. External Temperature Probe - Part #276878A
68. Compressor Cable - Part #255428A
69. Cable Bushing - Part #242436A
70. Compressor Blanket - Part #K090002700A
71. IDU Heat-Heat Exchanger Temp. Sensor - Part #276879A
72. Evaporator Fan Scroll - Part #282450A
73. LCDI Power Cable (Tower 30380) - Part #K160010400A
75. Draining Discharge Cap - Part #K190000500A
78. Compressor Vibration Dampeners - Part #242472A
81. Pump Cover - Part #282469A
82. Electrical Box Insulator Assy - Part #595486A
90. Basement Assy - Part #595211A

WIRING DIAGRAM:
MAESTRO SMART 9 HP (115V)
MODEL #2216

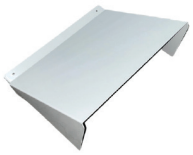
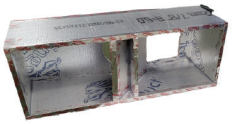


ACCESSORIES

	Accessory Name	Part Number	Description
	Wi-Fi Kit - Maestro Series	B1018*	Designed to provide both Wi-Fi and Bluetooth accessibility. Also provides access to troubleshooting tools found on the main control board.
	Recessed Panel	B0776	Designed to completely hide a Maestro Pro inside a wall. Must be used with installation kit B0775
	Recessed Panel Installation Kit	B0775	Required when using recessed panel kit B0776. Often ordered in advance of the Pro unit and B0776 kit
	Installation Kit for 8" Opening	B0565*	Designed for use in new construction applications. This kit includes the wall mount template, mounting bracket, duct sleeves,inside rings and external grilles.
	Louvered Grille (6.4")	B0564*	Designed for use in new construction applications. Includes the wall mount template, mounting bracket, duct sleeves, inside rings and external grilles
	Condensate Pan Heating Cable (115V)	B0919*	Required when the application will experience outdoor temperatures below 32°F (0°C). The cable prevents defrost condensation from freezing in the pan. **NOTE:** Does not prevent drain line from freezing
	Condensate Pan Heating Cable (230V)	B0973	Required when the application will experience outdoor temperatures below 32°F (0°C). The cable prevents defrost condensation from freezing in the pan. **NOTE:** Does not prevent drain line from freezing

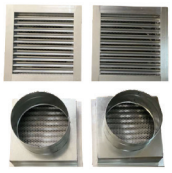
*Use with either Maestro Smart or Pro

ACCESSORIES

	Accessory Name	Part Number	Description
	Maestro Rain Guard Kit	B0753*	Contains 2 rain guards
	Sidewall Adapter	B0976 (Right Handed) 8.0” B0977 (Left Handed) 8.0” B0978 (Right Handed) B0979 (Left Handed)	Round Round Rectangular Rectangular
	PTAC Retrofit Kit	B0963	The plenum is designed to fit inside an existing PTAC sleeve which is left in place after the PTAC is removed. NOTE: If the PTAC is larger than 35” (89 cm) wall repair will be required.

*Use with either Maestro Smart or Pro

ACCESSORIES

	Accessory Name	Part Number	Description
	Wired Thermostat B/W Wi-Fi	B1022*	Wired mini thermostat Wi-Fi ready **NOTE:** Requires B1021 + B1028
	Wired Thermostat Color Wi-Fi	B1023*	Wired color touch screen thermostat Wi-Fi ready NOTE: Requires B1021 + B1028
	Wired Thermostat B/W	B1027*	Wired programmable thermostat Wi-Fi ready **NOTE:** Requires B1021 +B1028
	Wireless Thermostat	B00001	Battery-powered wireless thermostat desired temperature, fan speed, supply air deflector function NOTE: Requires B1021 +B1028
	BACNET thermostat	B0981*	BACnet Communicating Thermostat for Single and Multi-Stage Heat Pump Operation NOTE: Requires B1021 +B1028
	Rectangular Louvered Grill	B1026*	This aluminum grill can be ordered with or without a bug screen and for either 8"or 6.4" applications and it's paintable
	Square Louvered Grill	B1025*	This aluminum grill can be ordered with or without a bug screen and for either 8"or 6.4" applications and it's paintable
	Winterizing Kit (8.0")	B0972	Galvenized Metal Cap - 2 per kit

*Use with either Maestro Smart or Pro

CONTROLS OFFERING – THERMOSTATS

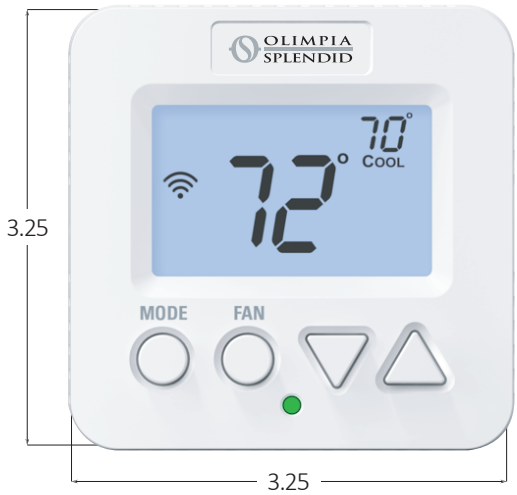
OLIMPIA SPLENDID
HOME OF COMFORT

MODEL B1022

SMART WI-FI RESIDENTIAL 7-DAY PROGRAMMABLE THERMOSTAT

UP TO 4 TIME PERIODS PER DAY
UP TO 2 HEAT / 2 COOL UNIVERSAL

PROGRAMS	• 7-day, 5+1+1 day or 1-day programmable with up to 4 time periods per day • Geofencing • Smart recovery auto-adjusts Morning start time to meet setpoint by programmed start time • Vacation mode
STAGING	• Independently adjustable staging deadbands for all stages of heating and cooling (1° - 10° F) • Independently adjustable staging timers for all stages of heating and cooling (1 - 60mins) • Adjustable staging turnoffs, i.e. deenergize 2nd stage at deadband or keep active until setpoint
SECURITY	• Setpoint limiting • Keypad lock • Secure API (http or https)
SENSORS	• Control to or average a remote sensor - Baby's room or game room, etc. • Outdoor sensor ready with Hi/Low readouts for the day
ALERTS	• Dry contact input for twist timers, etc. or . . . • Condensate overflow warning systems – lockout compressor with display message • FDD (Equipment Fault Protection) notification • Initiate Vacation Mode
CERTS	• Title 24 compliant • Energy Star certified



COMPATIBLE ACCESSORIES

Model No.	Description
CTSWFTS	Wi-Fi Mini Sensor
LXMINIPLATE-SM	Small Wall Plate (4.62 W x 4.81 H)
LXMINIPLATE-MD	Medium Wall Plate (7.12 W x 4.37 H)
LXMINIPLATE-LG	Large Wall Plate (6.25 W x 6.17 H)
ADDWIRE	Add-A-Wire makes 4 wires work like 5

OLIMPIA SPLENDID
HOME OF COMFORT

MODEL B1022

PRODUCT SPECIFICATIONS

Conventional (2H/2C) or Heat Pump (2H/2C)	
Electric Rating:	20-28VAC, 5 VA Max
Output Rating:	Y1, Y2, G – 0.8A, all others 0.4A 3A total max on all outputs
Control Range:	35° - 99° F (2° - 36° C)
Control Accuracy:	+/- 2° F (+/- 1° C)
Remote Sensor:	Wireless Wi-Fi only
Inputs:	Dry contact: FDD alerts, condensate alarms, twist timers, etc.
Outputs:	Y1, Y2, G, W1/0/B, W2
Connectivity:	optional 2.4 GHz b/g/n wifi module

COMPETITIVE CROSS-REFERENCE

Honeywell	Emerson	Braeburn	PRO1
TH6220WF TH6320WF	1F86U-42WF	7300	T701i

TERMINAL DESIGNATIONS

Terminal Designations			
R	24 VAC Return	**C**	24 VAC Return
G	Fan Relay	**Dry Contact**	Dry Contact Connections
W1/O/B	1st Stage Heat Circuit or Reversing Valve		
W2	2nd Stage Heat Circuit*		
Y1	1st Stage Compressor (Cool or Heat)		
Y2	2nd Stage Compressor (Cool or Heat)		

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MODEL B1023

SMART WI-FI RESIDENTIAL 7-DAY PROGRAMMABLE THERMOSTAT

UP TO 4 TIME PERIODS PER DAY
UP TO 4 HEAT / 2 COOL UNIVERSAL

PROGRAMS	• 7-day, 5+1+1 day or 1-day programmable with up to 4 time periods per day • Geofencing • Vacation mode
STAGING	• Dual Fuel compatible with ultra-low balance point • Independently adjustable staging deadbands for all stages of heating and cooling (1° - 10° F) • Independently adjustable staging timers for all stages of heating and cooling (1 - 60mins) • Adjustable staging turnoffs, i.e. deenergize 2nd stage at deadband or keep active until setpoint
SECURITY	• Setpoint limiting • Customizable Keypad lock • Secure API (http or https)
FAN OPS	• Programmable fan runs 5 - 60mins per hour with adjustable Start/Stop times. 7-day programmable. • Smart recovery auto-adjusts Morning start time to meet setpoint by programmed start time
SENSORS	• Wireless (Wi-Fi) Remote Sensors available • Remote sensor averaging with thermostat sensor • Supply Air Alerts for heating and cooling cycles
ALERTS	• Separately tracks up to 2,000 hours of heating, aux heat, and cooling runtime • FDD (Equipment Fault Protection) notification • Email Alerts: Supply Air, Hi/Lo Temp, Hi/Lo Humidity, Service Filter, etc.
CERTS	• Title 24 compliant • Energy Star certified

COMPATIBLE ACCESSORIES

Model No.	Description
CTSWFTS	Wireless Wi-Fi Mini Sensor
CTSHTS	Wired Indoor/Outdoor Sensor
CTSDTS	Wired Duct Sensor
LXPLATE	CTS Wall Plate (7.0 W x 5.5 H)
ADDWIRE	Add-A-Wire makes 4 wires work like 5

OLIMPIA SPLENDID
HOME OF COMFORT

MODEL B1023

PRODUCT SPECIFICATIONS

Conventional (4H/2C) or Heat Pump (4H/2C)	
Electric Rating:	20-28VAC, 5 VA Max
Output Rating:	Y1, Y2, G – 0.8A, all others 0.4A 3A total max on all outputs
Control Range:	35° - 99° F (2° - 36° C)
Control Accuracy:	+/- 2° F (+/- 1° C)
Humidity Accuracy:	+/- 10% RH from 30-70% RH, 50°-90° F
Remote or Outdoor Sensor:	(2), 10K NTC Thermistor
Inputs:	Sensor terminals: FDD (equip. fault)
Outputs:	Y1, Y2, G, W1/O/B, W2, W3
Connectivity:	integrated 2.4 GHz b/g/n wifi module

COMPETITIVE CROSS-REFERENCE

Honeywell	Emerson	Braeburn	PRO1
TH8110R	1F97-1277	6100	T855i
TH8320R	1F95-1277	6300	T905
TH8320WF	1F95-1280	6425	T955
		7320	T955

TERMINAL DESIGNATIONS

Terminal Designations			
R	24 VAC Return	**C**	24 VAC Return
G	Fan Relay	**SENSOR**	Remote or Outdoor Sensor or FDD for equipment fault detection
W1/O/B	1st Stage Heat Circuit or Reversing Valve		
W2	2nd Stage Heat Circuit*		
W3	3rd Stage Heat Circuit**		
Y1	1st Stage Compressor (Cool or Heat)		
Y2	2nd Stage Compressor (Cool or Heat)		

*3rd stage heat for heat pumps with two compressor stages
**4th stage heat for heat pumps with two compressor stages

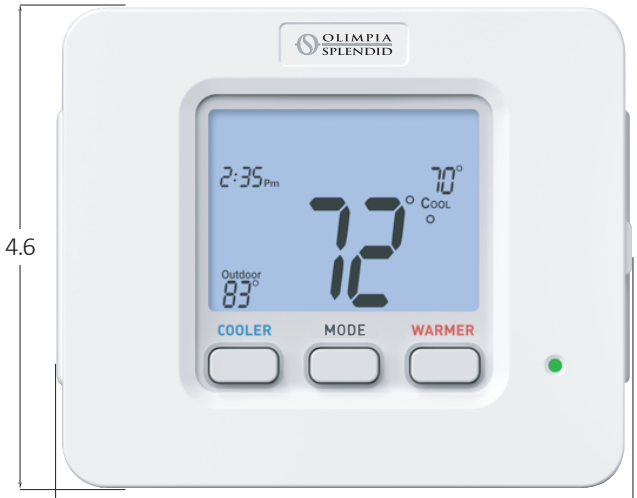
OLIMPIA SPLENDID
HOME OF COMFORT

MODEL B1027

SMART WI-FI RESIDENTIAL 7-DAY PROGRAMMABLE THERMOSTAT*

UP TO 4 TIME PERIODS PER DAY
UP TO 2 HEAT / 1 COOL UNIVERSAL

PROGRAMS	• 7-day, 5+1+1 day or 1-day programmable with up to 4 time periods per day • Vacation mode • Geofencing with Wi-Fi Module
STAGING	• Adjustable first stage deadband (1° - 6° F) • Fixed 2° second stage deadband
DISPLAY	• Choice of English, Spanish, or French • Bi-color LED indicates heating or cooling • Adjustable backlight intensity • Backlit, color coded buttons and legends
SECURITY	• Keypad lock • Secure API (http or https) with WFM module
SENSORS	• Outdoor sensor ready with Hi/Low readouts for the day
ALERTS	• Dry contact input for twist timers, etc. or . . . • Condensate overflow warning systems – lockout compressor with display message • FDD (Equipment Fault Protection) notification • Initiate Vacation Mode
CERTS	• Title 24 compliant with Wi-Fi Module • Energy Star certified with Wi-Fi Module



*When paired with optional Wi-Fi module (see below)

COMPATIBLE ACCESSORIES

Model No.	Description
WFM	Wi-Fi Module
CTSHTS	Wired Outdoor Sensor
PLATE	LX Wall Plate
ADDWIRE	Add-A-Wire makes 4 wires work like 5

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MODEL **B1027**

PRODUCT SPECIFICATIONS

Conventional (2H/1C) or Heat Pump (2H/1C)	
Electric Rating:	20-28VAC, 5 VA Max
Output Rating:	Y1, G – 0.8A, all others 0.4A 3A total max on all outputs
Control Range:	35° - 99° F (2° - 36° C)
Control Accuracy:	+/- 2° F (+/- 1° C)
Outdoor Sensor:	(2), 10K NTC Thermistor
Inputs:	Dry contact: FDD alerts, condensate alarms, twist timers, etc.
Outputs:	Y1, G, W1/0/B, W2
Connectivity:	optional 2.4 GHz b/g/n wifi module

COMPETITIVE CROSS-REFERENCE

Honeywell	Emerson	Braeburn	PRO1
TH5110D	1F83H-21PR	2020	T801
TH6110D	1F83C-11NP	3020	T805
TH6210U*	1F83H-21NP	5020	
	1F83C-11PR	5310	
	1F85-0422		

TERMINAL DESIGNATIONS

Terminal Designations			
R	24 VAC Return	**C**	24 VAC Return
G	Fan Relay	**Dry Contact**	Dry Contact Connections
W1/O/B	1st Stage Heat Circuit or Reversing Valve	**Outdoor Sensor**	Outdoor Sensor Connections
W2	2nd Stage Heat Circuit*		
Y1	1st Stage Compressor (Cool or Heat)		

OLIMPIA SPLENDID
HOME OF COMFORT

WIRLESS THERMOSTAT SPEC SHEET

PART #B00001

Wireless Universal
Up to 2 Heat 2 Cool Conventional
Up to 3 Heat 2 Cool Heat Pump
Battery or Hardwire
7 Day - 5/1/1 or Non-Programmable

This model features:

- Pre OCC Fan Purge
- Occupied/Unoccupied Programming
- Equipment Check/ Change Reminders
- 5 Year Warranty
- Humidity Control
- Light Commercial settings
- Keypad lockout
- Set dual fuel balance points (requires RZ250W)
- Connects up to 4 indoor remotes (RZ251W) for averaging or priority control
- Connect to outdoor sensor (RZ250W)
- Seperate heating and cooling swing (cycle rate) adjustments
- Heating and cooling setpoint limits
- Touchscreen

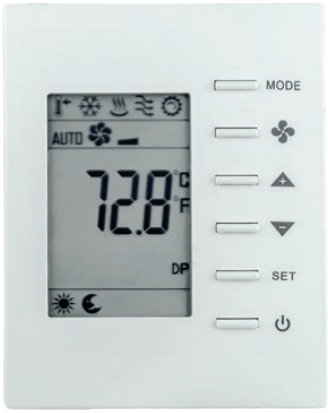
Specifications:

Frequency	916 MHZ
Application/Stages	Up to 2 heat, 2 cool conventional / Up to 3 heat, 2 cool heat pump
Programmability	7 day, 5-1-1 or Non-Programmable
Changeover	Auto or Manual
Display Range	41˚F to 95˚F (5˚C to 35˚C)
Control Range	44˚F to 90˚F (7˚C to 32˚C)
Display Accuracy	+/- 1˚F
Heat Swing	Adjustable from 0.2˚F to 2.0˚F
Cool Swing	Adjustable from 0.2˚F to 2.0˚F
Terminals	Rc, Rh, C, Y, Y2, W/E, W2, G, B, O, H, D
Load Rating	1 amp per terminal, 1.5 amp maximum all terminals combined
Power Source	18 to 30 VAC, NEC Class II, 50/60 Hz for hardwire (common wire) Battery power from 2 AA Alkaline batteries
Operating Ambient	32˚F to +105˚F (0˚C to +41˚C)
Operating Humidity	90% non-condensing maximum
Mounting	Wall or Junction Box
Dimensions (Stat)	4.7”W x 4.4”H x 1.1”D (119mm W x 112mm H x 28mm D)
Dimensions (Module)	4.4” x 4.4” x 1.1”D
Warranty	5 year warranty
Switch Positions (System)	Heat / Off / Cool / Auto / Em. Heat
Switch Systems (Fan)	On / Auto
Color	White
Switch Type	Relay
Elec. Connections	Screw Terminals
Display Size	13 sq. Inches

Data Sheet - B0981

BACnet Communicating Thermostat for Single and Multi-Stage Heat Pump Operation

The BASstat series of BACnet-compliant wired or wireless communicating thermostats ensure easy integration into BACnet/IP (Wi-Fi) or BACnet MS/TP (EIA-485) networks. The BAST-321HP is suited for heating, cooling, and ventilation with binary output control for single and multi-stage heat pumps with or without 3rd stage auxiliary heat. An adaptive control algorithm saves energy and ensures comfort for the occupants. Three sensing options are available: built-in temperature sensor, input for a remote temperature sensor, or temperature network command from a Building Automation System (BMS). Reversing valve (O/B) logic is configurable. Occupancy status can be set from thermostat buttons, a wired ESI input, or over the BACnet network. Thermostat buttons are optionally lockable to prevent tampering. Digital display with graphic icons is easy to read and understand.



Wi-Fi

BACnet MS/TP

Versatile BACnet Communication in Two Distinct Models

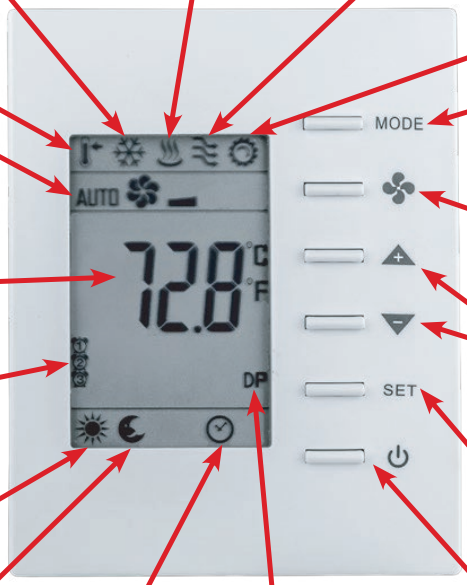
- BACnet MS/TP in B2 models with MS/TP baud rates 9.6kbps - 76.8kbps (BTL Listed)
- BACnet/IP in BW2 models with 802.11 b/g/n 2.4GHz Wi-Fi
- Both B2 and BW2 models are BACnet compliant with a B-ASC device profile

Flexible Installation

- 24VAC (+/-10%) power input
- Digital Display with graphic icons of operation, °C or °F display
- Single or Multi-stage, low voltage binary outputs for heat pump applications
- Configurable O/B reversing valve control (N.O/N.C.)
- Manual or Auto-changeover modes
- Effective run time accumulation for energy consumption calculations
- Selectable built-in temperature sensor or remote temperature sensor input (NTC Thermistor 3kΩ)
- Occupied / Unoccupied mode can be switched locally by the user, by using a separate occupancy sensor, or remotely by the BMS headend
- Configurable PID Algorithm parameters: Proportional Gain, Integral Rate, Stage Widths, Deadband
- Configurable Max Heat & Min Cool temperatures, Short Cycle Delay, Maximum Cycles Per Hour
- Stand-alone operation with BACnet setpoint and schedule supervision or optional full BMS control
- Non-volatile memory retains user settings during power loss
- Lockable user interface
- Operating Environment: 0-50°C, 5-95% RH (non-condensing)
- Mounts directly onto wall, panel, standard 65×65 mm junction box (hole pitch 60 mm) or standard 2×4 inch vertical junction box (hole pitch 83.5 mm)

BASstat – Overview

The BASstat's backlit LCD display is large and easy to read. It incorporates graphic icons to indicate current state of operation: Active Mode, Cooling stage 1 or 2, Heating stage 1, 2, or 3, Ventilation Only, Fan Active, Occupancy Status, and Clock icon to indicate Short Cycle Delay or Max Cycles per hour active waiting state.
Six buttons on the BASstat allow users to adjust temperature set points, change HVAC modes, turn the thermostat ON/OFF, and more. Pressing the Set and Up/ Down buttons can manually toggle the thermostat from occupied/unoccupied modes where BACnet occupancy command is not an option. Front panel buttons are lockable to prevent user tampering. These buttons can also be locked individually, making the BASstat suitable for applications where limited user control is desired.
For greater operational flexibility, an optional remote space temperature sensor is available. Featuring an NTC type 3kΩ thermistor, the temperature sensor is directly compatible with any BASstat model.



Set-Point Icon
Displays set-point temperature while flashing

Snowflake Icon
Indicates working in Cooling mode

Rising Steam Icon
Indicates working in Heating mode

Wind Icon
Indicates working in Ventilation mode

Working Icon
Indicates mechanical Cooling/Heating Stage is engaged

Fan Status Icons
Indicate Fan status AUTO or Continuous. AUTO state when displayed. Fan active when icon is spinning. Fan speed indicator bars (some models are 1 speed only).

LCD
Displays temperature and working status

"1" Icon
"2" Icon
"3" Icon
Cooling/Heating stage 1 on
Cooling/Heating stage 2 on
Aux Heating stage 3 on

MODE Button
Changes modes Heat/Cool/Vent and used for accept/confirm button in Engineering menu

FAN Button
Toggle to change Fan mode: Auto or Continuous

UP & DOWN Buttons
Increase & decrease setting or previous/next item. Hold both buttons for 5 sec. to enter Engineering mode.

SET Button
Toggle Occupied/ Unoccupied Setting

ON/OFF Button
Turn thermostat On or Off

Sun Icon
Indicates Occupied status

Moon Icon
Indicates Unoccupied Status

Clock Icon
Indicates Short Cycle Delay or Max. Cycles per Hour for mechanical stages

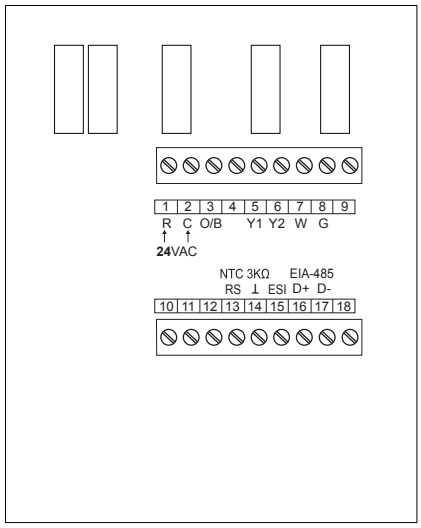
DP
Wi-Fi ACTIVE and connecting to network when flash-ing. Icon disappears upon successful connection. (BW2 Wi-Fi model only)

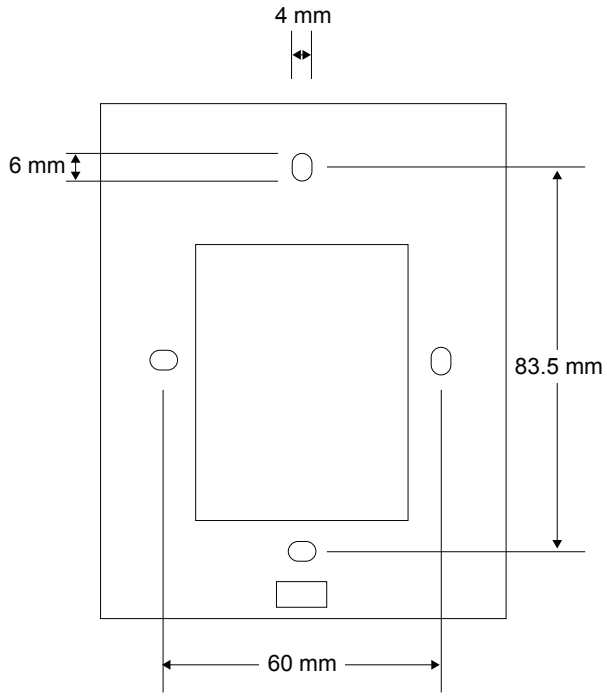
Wiring Diagram

Wiring: 14 to 22 AWG wires or 1.5mm^2 wires.

Mounts directly onto wall, panel, standard 65×65mm junction box (hole pitch 60 mm) or standard 2×4-inch vertical junction box (hole pitch 83.5mm).

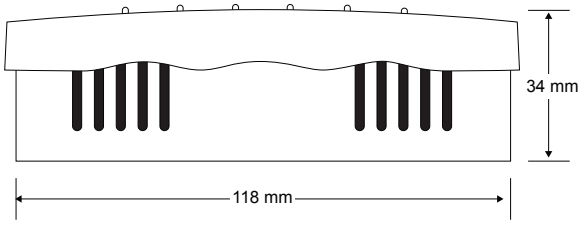
EIA-485 connection to pins 16(D+) and 17(D-) applicable to B2 - BACnet MS/TP model only. BW2 model uses Wi-Fi connectivity

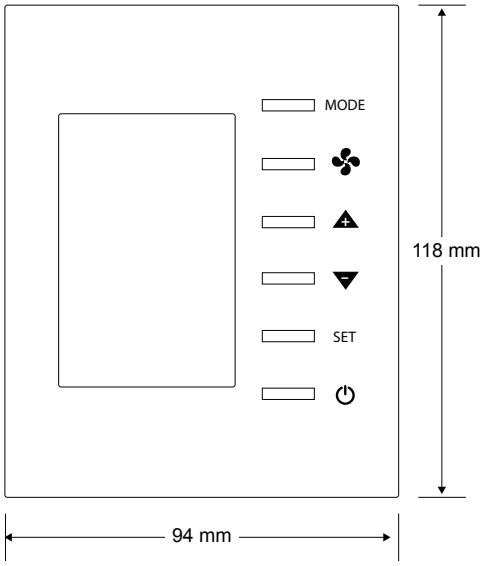




Dimensions (all dimensions are in mm)

Width: 94mm
Height: 118mm
Depth: 34mm





Specifications

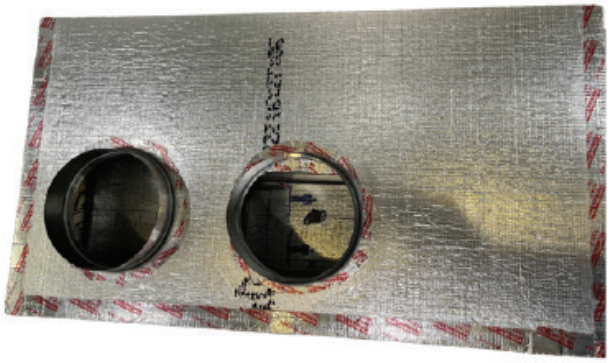
Functional	***B2 model***	***BW2 model***
Compliance	EIA-485	IEEE 802.11b, 802.11g, 802.11n (single stream) 16.5dBm@11b, 14.5dBm@11g 13.5dBm@11n Frequency range: 2400MHz~2484MHz
Protocols supported	BACnet MS/TP	BACnet/IP
Cable length	4000 ft/1200 m @76.8kbps (max)	N/A
Wi-Fi range	N/A	150ft. as defined by the standard (depending on obstructions) 54Mbps max data rate
Authentication	N/A	WEP, WPA/WPA2 PSK
Maximum Number of Devices	32 MS/TP devices (max)	N/A or depending on Wi-Fi router performance
Temperature Display Range	-10 to +60°C (14 to 140°F)	-10 to+ 60°C (14 to 140°F)
Temperature Display Resolution	0.1°F (0.1°C)	0.1°F (0.1°C)
Temperature Accuracy	±1.0°C (±1.8°F) with all outputs off	±1.0°C (±1.8°F) with all outputs off
Electrical		
Input	AC only	AC only
Voltage (V, ± 10%)	24 VAC	24 VAC
Power	5 VA	5 VA
Frequency	47–63 Hz	47–63 Hz
Environmental/Mechanical		
Operating temperature	0°C to 50°C	0°C to 50°C
Storage temperature	–10°C to +60°C	–10°C to +60°C
Relative humidity	5–95%, noncondensing	5–95%, noncondensing
Protection	IP30	IP30
Weight	0.44 lbs. (.2 kg)	0.44 lbs. (.2 kg)
Regulatory Compliance		
CE Mark; RoHS		
BW2 model Wi-Fi FCCID	P53-EMW3165-P	

ACCESSORY SUBMITTALS

(Sidewall Adapter, PTAC Retrofit Kit, Square Louvred Grill and Rectangle Louvred Grill)

Square Louvred Grill and Rectangle Louvred Grill

Square Louvred Grill Part #: B1025
Rectangle Louvred Grill Part #: B1026



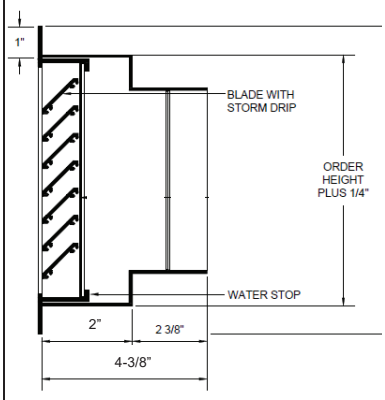
Sidewall Adapter

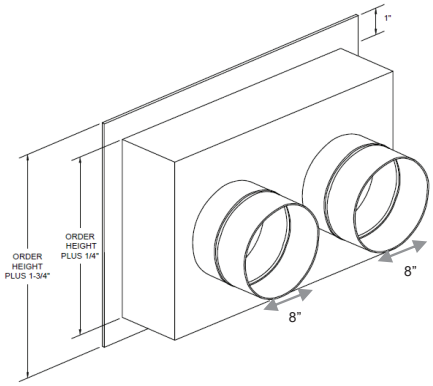
Part #: B0976 (Right Handed) 8.0" - Round
Part #: B0977 (Left Handed) 8.0" - Round
Part #: B0978 (Right Handed) - Rectangle
Part #: B0979 (Left Handed) - Rectangle

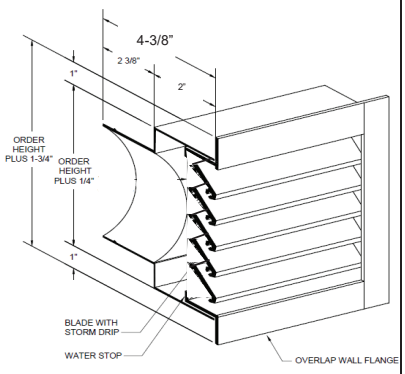
PTAC Retrofit Kit

Part #: B0963

LOUVRED GRILLE ACCESSORY
MODEL B1026
SPEC SHEET







- **GRILLES**: Aluminum construction 1.5" deep, 1/8” thick, with 1” Outer Flange and 2 Connection Points
- **LOUVRES**: 1” deep @ 45° angle, 1” on center
- **TRANSITION BOX**: Galvanized steel (28 gauge) 2" deep with two 8" round collar sleeve ducts set 12-11/16” on center, pitched with ¾” bend on bottom and no divider
- **DIMENSIONS:** Opening size: 23" Wide x 10-1/4" High; Overall: 24-3/8” Wide x 11-5/8”" High
-

PROJECT NAME: _____

JOB LOCATION: _____

REP/DISTRIBUTOR: _____

ARCHITECT/ENGINEER: _____

MECHANICAL CONTRACTOR: _____

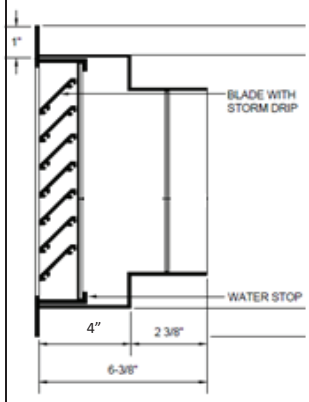
DATE: _____

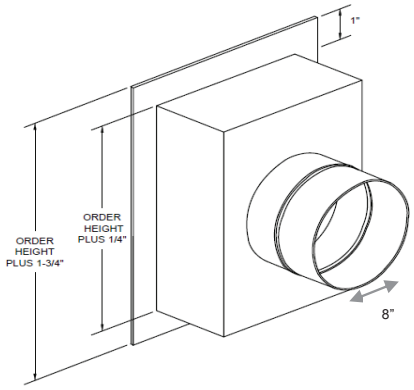
OLIMPIA SPLENDID
HOME OF COMFORT

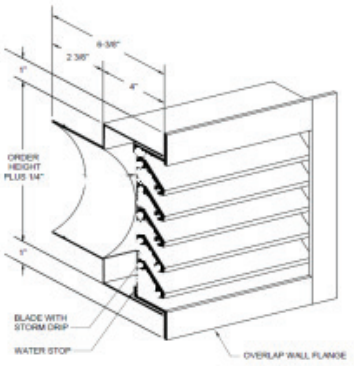
OLIMPIA SPLENDID USA
Ph: (951) 534-8901
sales@olimpiasplendidusa.com
www.olimpiasplendidusa.com

NOTES:

LOUVRED GRILLE ACCESSORY
MODEL B1025
SPEC SHEET







- **GRILLES**: Aluminum construction 1.5" deep, 1/8” thick, with 1” Outer Flange and 1 Connection Point
- **LOUVRES**: 1” deep @ 45° angle, 1” on center
- **TRANSITION BOX**: Galvanized steel (28 gauge) 2" deep with one 8" round collar sleeve ducts, pitched with ¾” bend on bottom
- **DIMENSIONS:** Opening size: 10" Wide x 10-1/4" High; Overall: 11-3/8” Wide x 11-5/8” High

PROJECT NAME: _____

JOB LOCATION: _____

REP/DISTRIBUTOR: _____

ARCHITECT/ENGINEER: _____

MECHANICAL CONTRACTOR: _____

DATE: _____

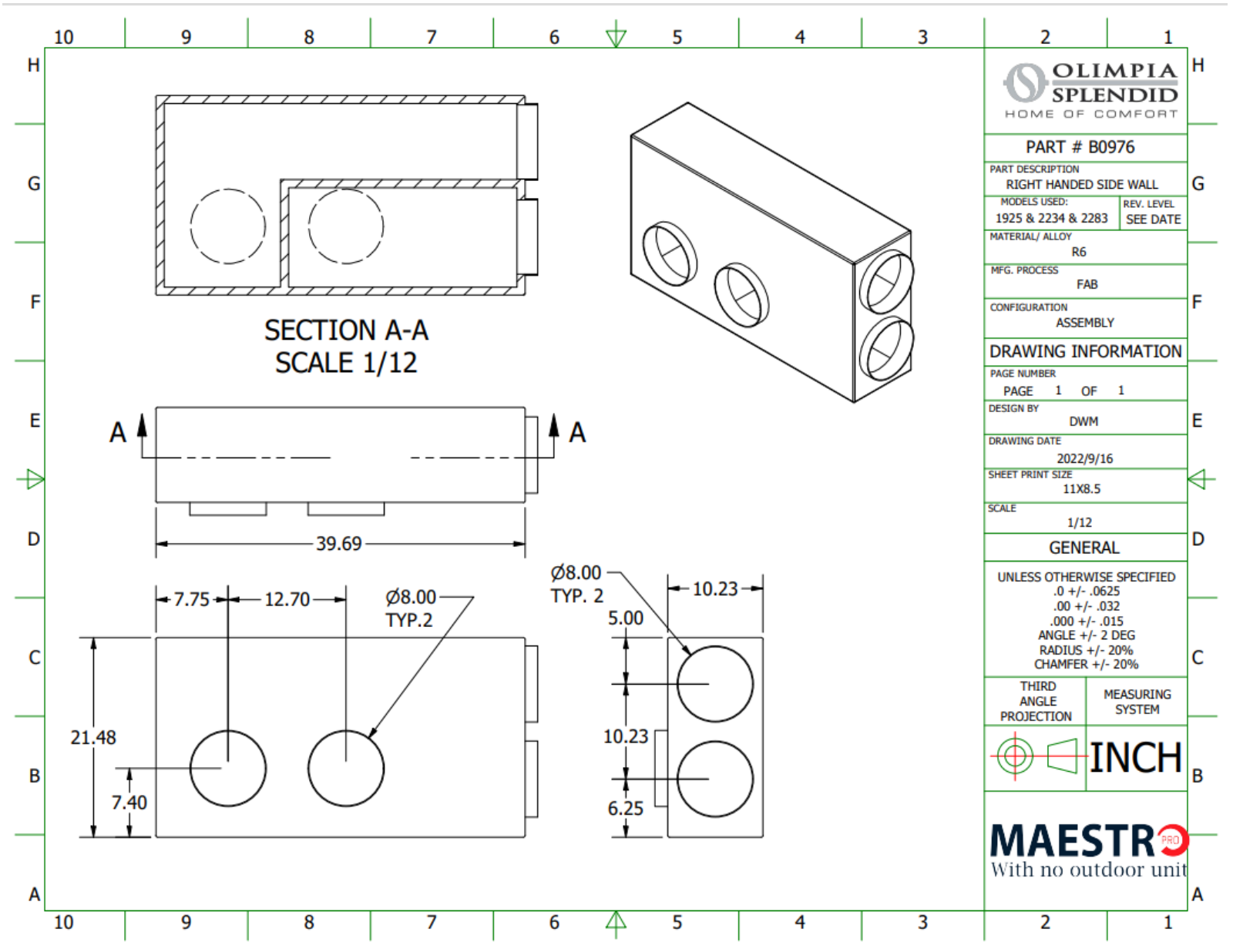
OLIMPIA SPLENDID
HOME OF COMFORT

OLIMPIA SPLENDID USA
Ph: (951) 534-8901
sales@olimpiasplendidusa.com
www.olimpiasplendidusa.com

NOTES:

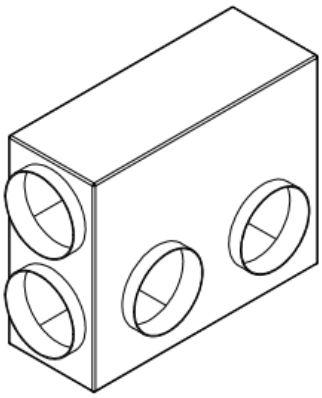
SIDE WALL ADAPTER SUBMITTAL

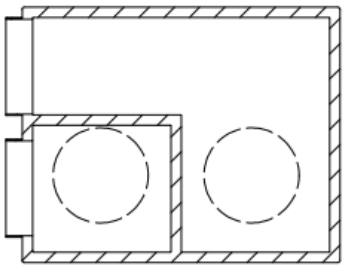
B0976 (Right Handed shown) 8" Round



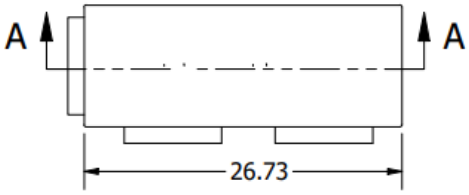
SIDE WALL ADAPTER SUBMITTAL

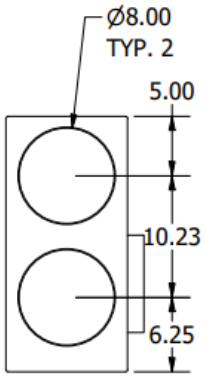
B0977 (Left Handed shown) 8" Round

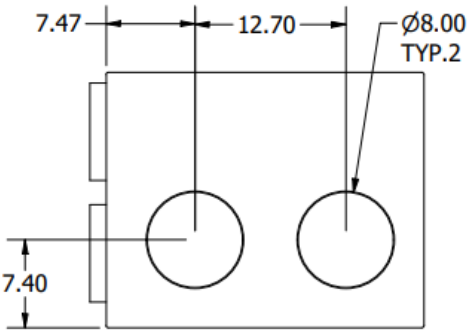




SECTION A-A
SCALE 1/12







OLIMPIA SPLENDID
HOME OF COMFORT

PART # B0977	
PART DESCRIPTION: LEFT HANDED SIDE WALL	
MODELS USED: 1925 & 2234 & 2283	REV. LEVEL: SEE DATE
MATERIAL/ ALLOY: R6	
MFG. PROCESS: FAB	
CONFIGURATION: ASSEMBLY	

DRAWING INFORMATION

PAGE NUMBER	PAGE 1 OF 1
DESIGN BY	DWM
DRAWING DATE	2023/5/1
SHEET PRINT SIZE	11X8.5
SCALE	1/12

GENERAL

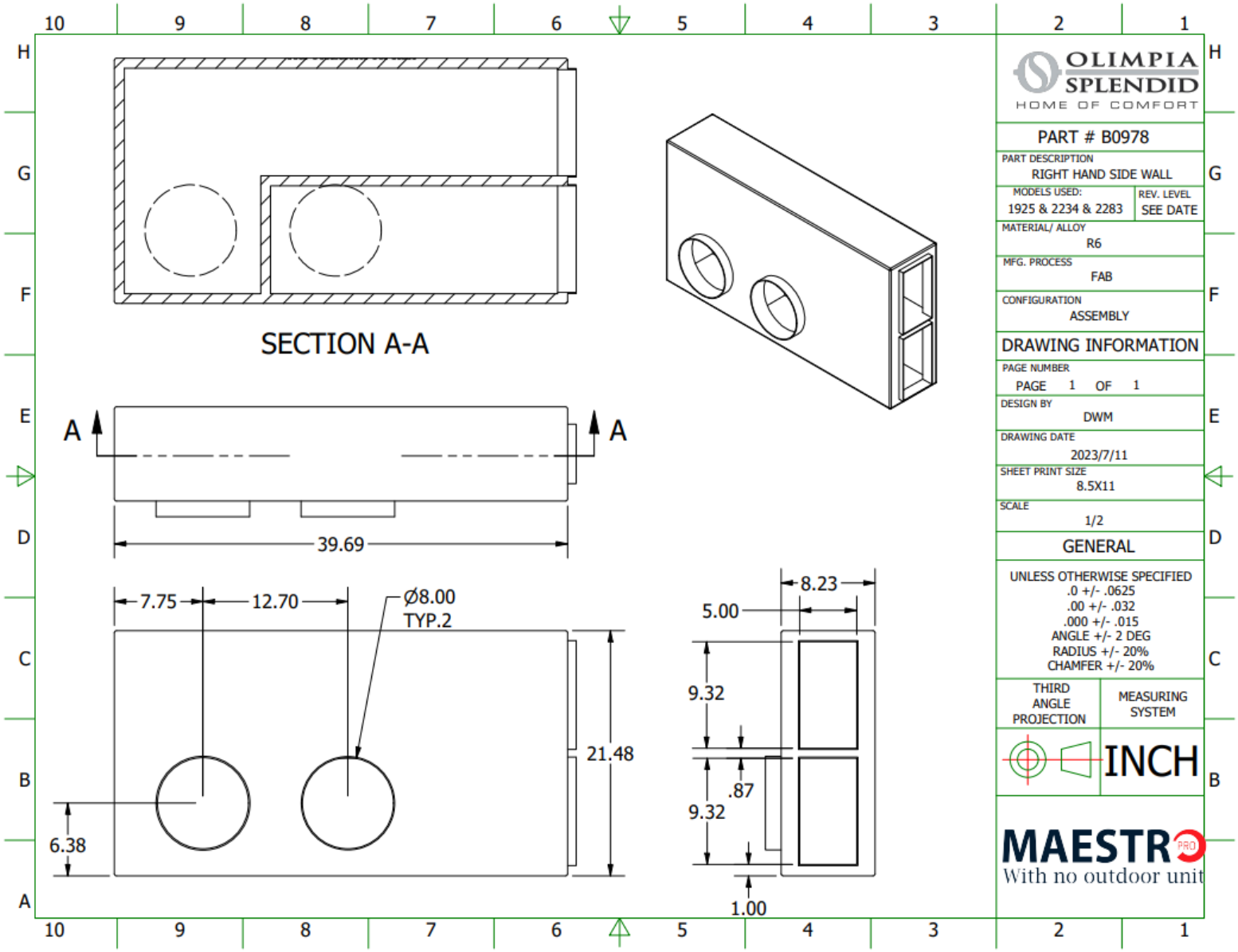
UNLESS OTHERWISE SPECIFIED
.0 +/- .0625
.00 +/- .032
.000 +/- .015
ANGLE +/- 2 DEG
RADIUS +/- 20%
CHAMFER +/- 20%

THIRD ANGLE PROJECTION	MEASURING SYSTEM
	INCH

MAESTRO PRO
With no outdoor unit

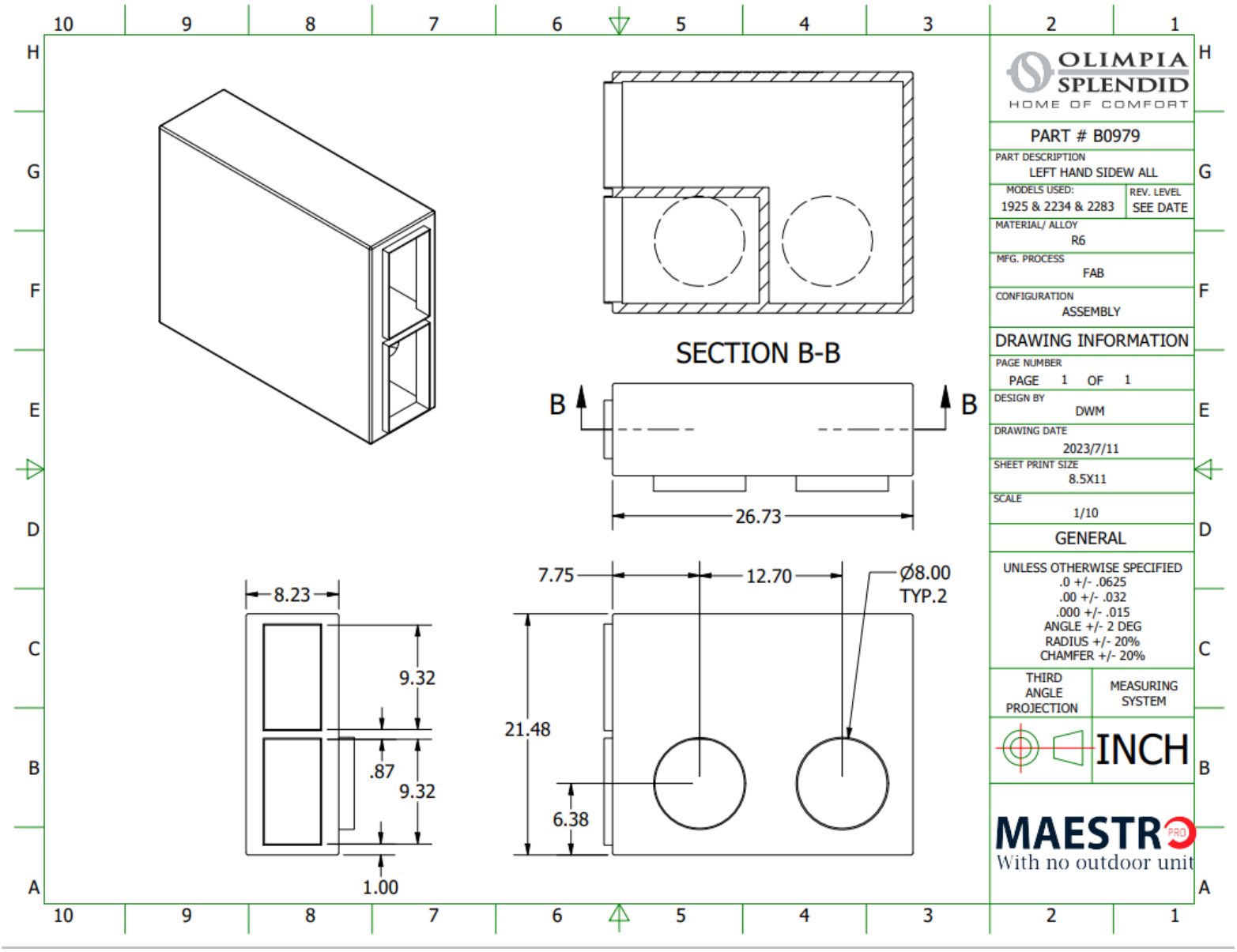
SIDE WALL ADAPTER SUBMITTAL

B0978 (Right Handed shown) Rectangle



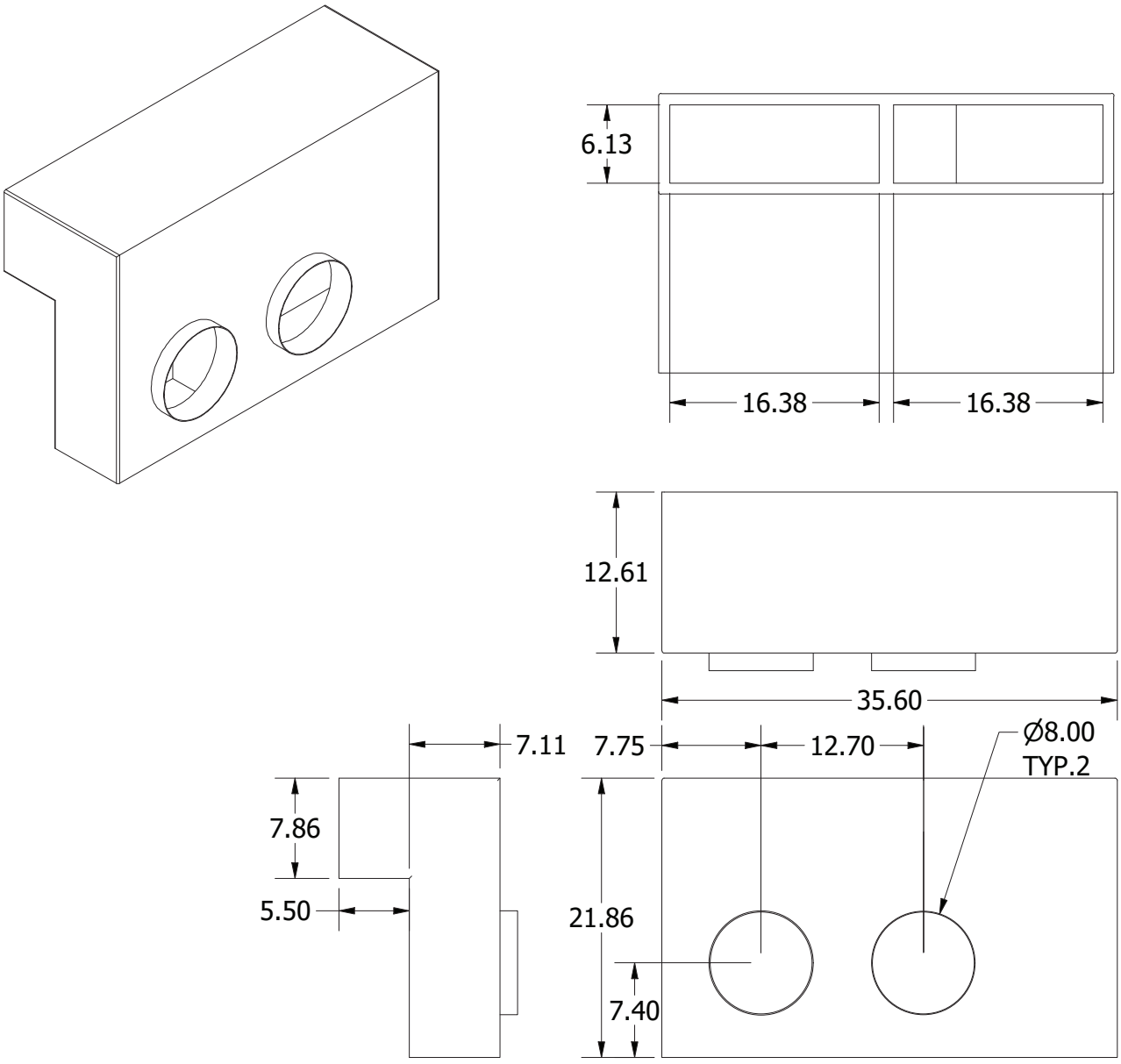
SIDE WALL ADAPTER SUBMITTAL

B0978 (Left Handed shown) Rectangle



WINDOW SILL ADAPTER

B0974



OLIMPIA SPLENDID
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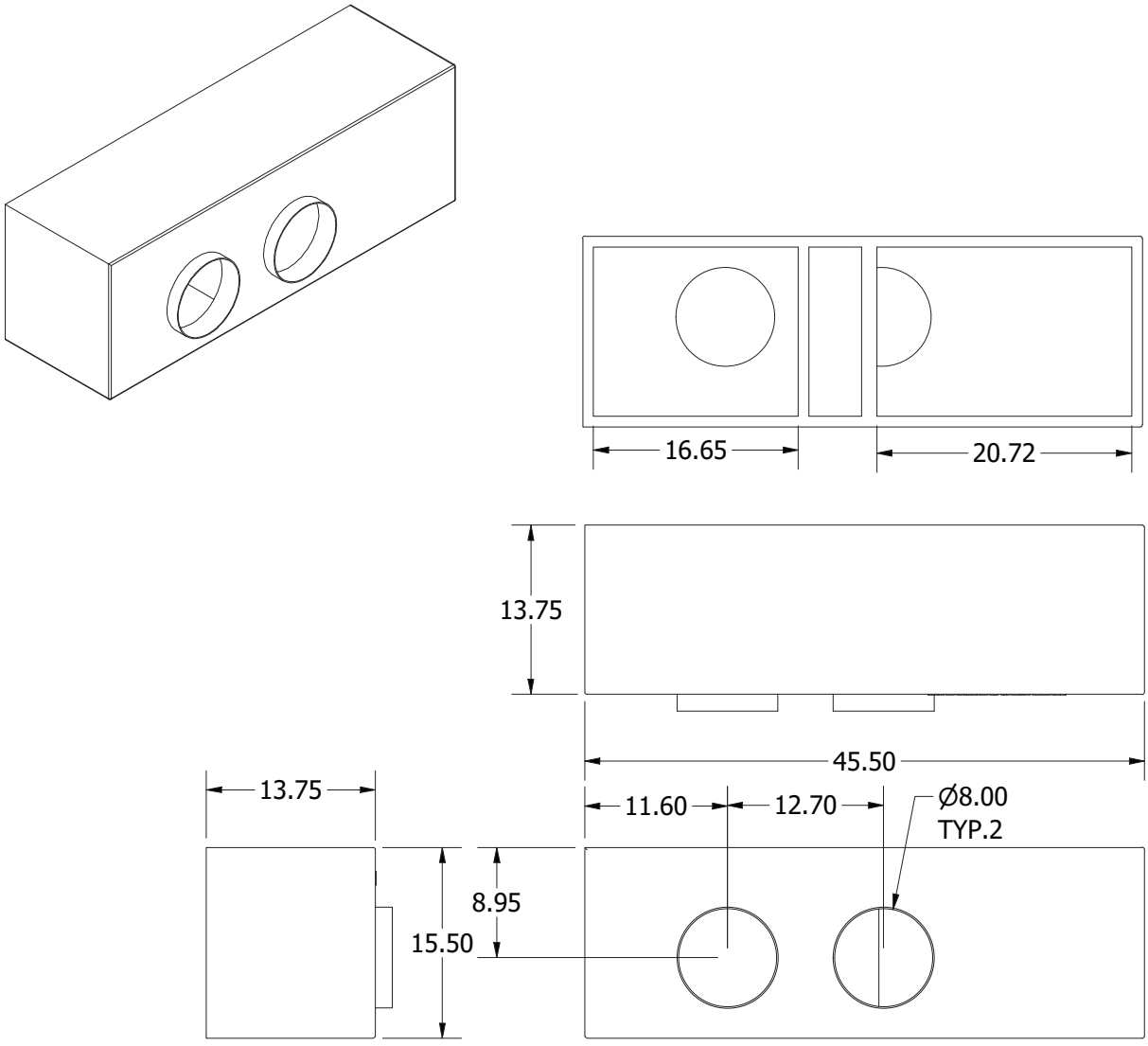
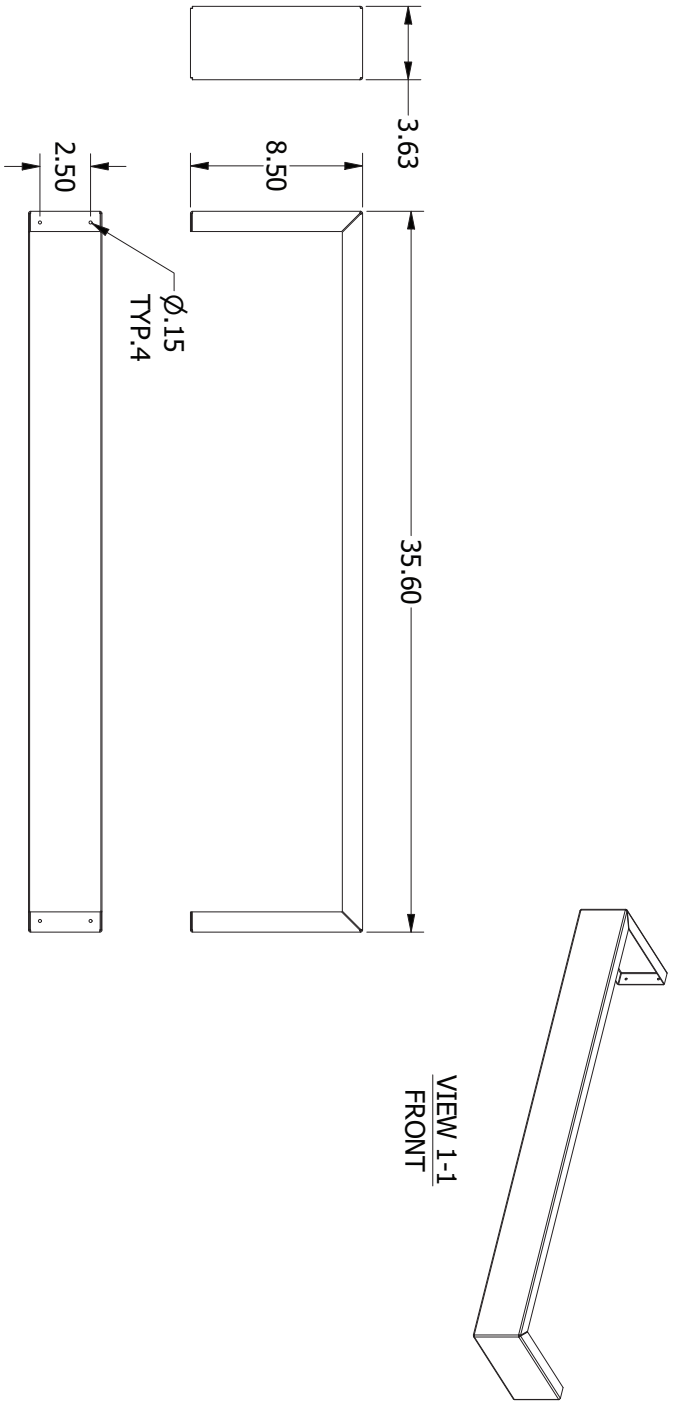
PTAC RETROFIT KIT

B0963

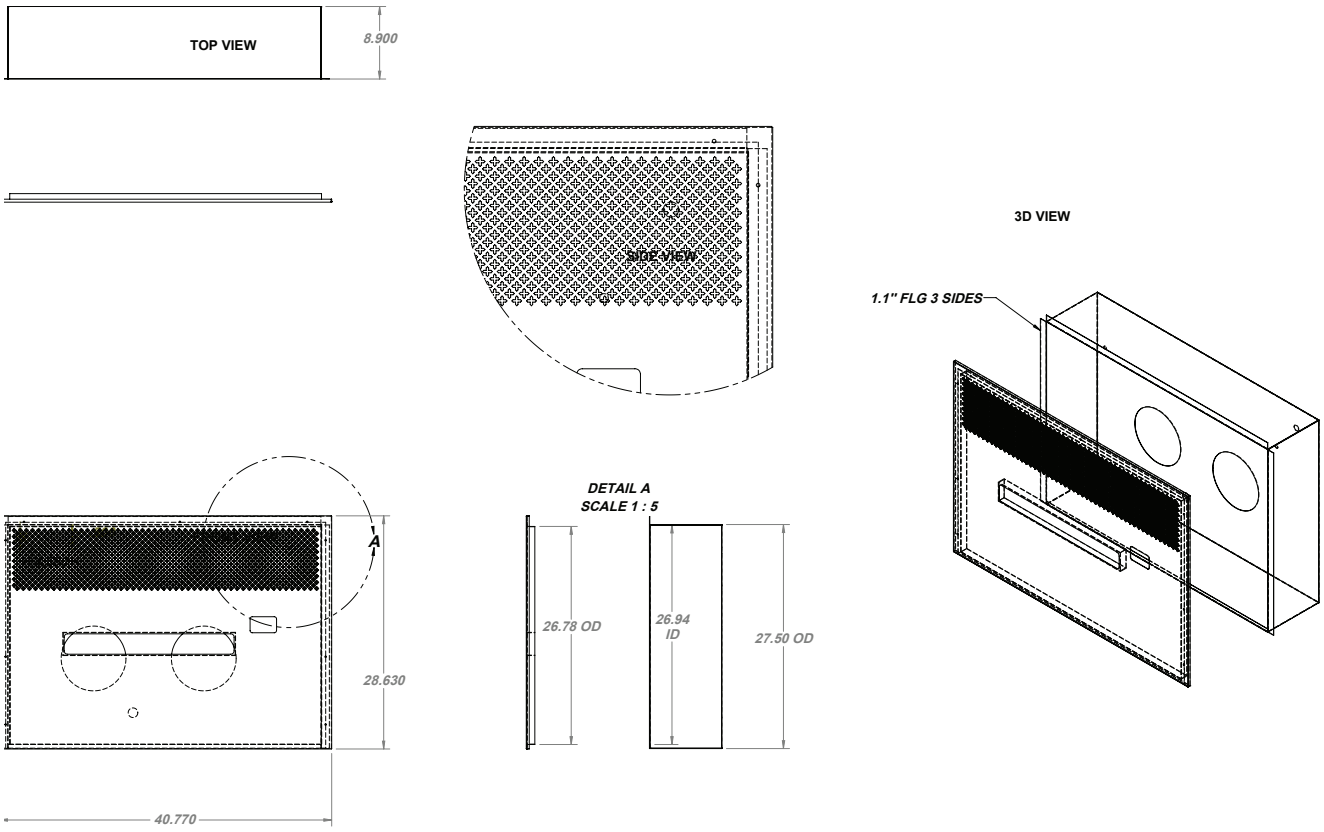


SUB BASE

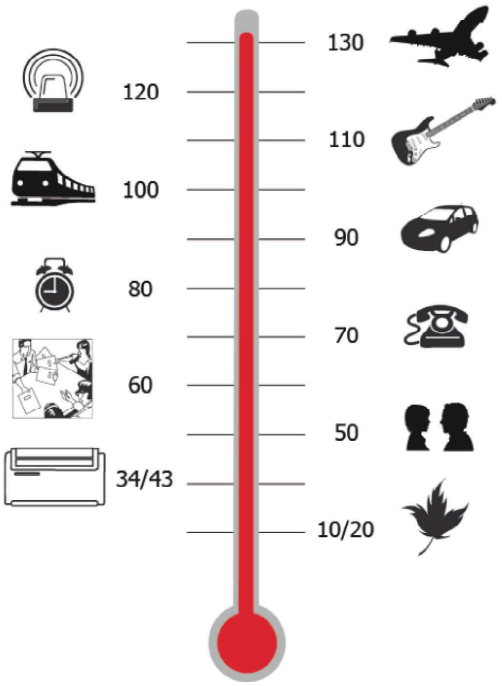


RECESSED PANEL KIT AND INSTALLATION HOUSING

Maestro Pro Series - Model Number #1925, #2234, #2283.
Part Numbers - B0775 & B0776



SOUND PRESSURE



DECIBEL	Noise source
130	Plane taking off
120	Siren
110	Rock Concert
100	Freight Train
90	Street traffic
80	Alarm Clock
70	Telephone
60	Noisy Office
50	Talking
34/43	Maestro Pro
10/20	Rustling Leaves

SOUND TRANSMISSION

Sound Transmission Class (STC) 36 dB(A)
Outdoor to Indoor Transmission Class (OITC) 25 dB(A)

CERTIFICATIONS

California Energy Commissions (CEC)

CALIFORNIA ENERGY COMMISSION

HOME | APPLICATIONS | ACCT MGMT | SEARCH

Compare Appliances - Room Air Co. & Heat Pumps

Cancel

Below are the appliances you have selected to compare. Click the cancel button to return to the search results

Model Number	2020	01925	2283	2234
Manufacturer	Olimpia Splendid USA	Olimpia Splendid USA	Olimpia Splendid USA	Olimpia Splendid USA
Brand	Maestro	Maestro	Maestro	Maestro
Voltage	115	115	230	230
Phase	1	1	1	1
Room AC Type	Room Air Conditioning Heat Pump	Room Air Conditioning Heat Pump	Room Air Conditioning Heat Pump	Room Air Conditioning Heat Pump
Louvers?	False	False	False	False
Heating Capable	Heat Pump Only	Heat Pump Only	Heat Pump Only	Both Heat Pump & Elec. Resistance Heating
Refrigerant Type	Ozone-Depleting	Ozone-Depleting	Ozone-Depleting	Ozone-Depleting
Cooling Output BTUH	9200	11600	11600	10700
Cooling Input Watts	930	800	800	710
Combined Energy Efficiency Ratio (CEER)	9.3	9.7	9.7	13
CEERStd	9.3	9.3	9.3	9.3
Standby and Off Mode Annual Energy Consumption	6	6	6	6
Heat Pump Heating Output BTUH	8500	10600	10600	10200
Heat Pump Heating Input Watts	850	825	825	800
Heating Output (non-HP) BTUH				
Heating Input (non-HP) Watts				
Regulatory Status	Federally-Regulated Consumer Product	Federally-Regulated Consumer Product	Federally-Regulated Consumer Product	Federally-Regulated Consumer Product
Add Date	11/18/2022	11/18/2022	11/18/2022	11/18/2022
Reference Number				

ETL CERTIFICATION

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Applicant:	OLIMPIA SPLENDID S.P.A.	**Manufacturer:**	OLIMPIA SPLENDID S.P.A.
Address:	Via Industriale 1/3 25060 CELLATICA (BS)	**Address:**	Via Industriale 1/3 25060 CELLATICA (BS)
Country:	Italy	**Country:**	Italy
Contact:	Mr. Patrick LO PRESTI	**Contact:**	Mr. Patrick LO PRESTI
Phone:	(+39) 030 319 5235	**Phone:**	(+39) 030 319 5235
FAX:	(+39) 030 373 1882	**FAX:**	(+39) 030 373 1882
Email:	p.lopresti@olimpiasplendid.it	**Email:**	p.lopresti@olimpiasplendid.it

Party Authorized To Apply Mark: Same as Manufacturer
Report Issuing Office: INTERTEK ITALIA SPA - Campoformido (Udine) - Italy

Control Number: *5009604* **Authorized by:** for L. Matthew Snyder, Certification Manager

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Intertek Testing Services NA Inc.
545 East Algonquin Road, Arlington Heights, IL 60005
Telephone 800-345-3851 or 847-439-5667 Fax 312-283-1672

Standard(s):	Safety Of Household And Similar Electrical Appliances, Part 1: General Requirements [UL 60335-1:2016 Ed.6] Household And Similar Electrical Appliances – Safety – Part 2-40: Particular Requirements For Electrical Heat Pumps, Air-Conditioners And Dehumidifiers [UL 60335-2-40:2017 Ed.2] Safety Of Household And Similar Appliances - Part 1: General Requirements [CSA C22.2#60335-1:2016 Ed.2] Household And Similar Electrical Appliances – Safety – Part 2-40: Particular Requirements For Electrical Heat Pumps, Air-Conditioners And Dehumidifiers [CSA C22.2#60335-2-40:2017 Ed.2]
Product:	Room Air Conditioners
Brand Name:	OLIMPIA SPLENDID
Models:	MAESTRO PRO INVERTER 12 HP MAESTRO PRO INVERTER 12 AC

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Applicant:	OLIMPIA SPLENDID S.P.A.	**Manufacturer:**	OLIMPIA SPLENDID S.P.A.
Address:	Via Industriale 1/3 25060 CELLATICA (BS)	**Address:**	Via Industriale 1/3 25060 CELLATICA (BS)
Country:	Italy	**Country:**	Italy

Party Authorized To Apply Mark: Same as Manufacturer
Report Issuing Office: Intertek Italia SpA

Control Number: *5009604* **Authorized by:**

for L. Matthew Snyder, Certification Manager

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Standard(s):	Household And Similar Electrical Appliances, Part 1: General Requirements [UL 60335-1:2016 Ed.6] Household and Similar Electrical Appliances - Part 2 - 40: Particular Requirements for Electrical Heat Pumps, Air-Conditioners, and Dehumidifiers [UL 60335-2-40:2019 Ed.3] Safety of Household and Similar Appliances - Part 1: General Requirements [CSA C22.2#60335-1:2016 Ed.2] Household and Similar Electrical Appliances - Safety - Part 2-40: Particular Requirements for Electrical Heat Pumps, Air-Conditioners and Dehumidifiers [CSA C22.2#60335-2-40:2019 Ed.3]
Product:	Room Air Conditioners
Brand Name:	OLIMPIA SPLENDID
Models:	MAESTRO PRO INVERTER 12HP RVU, MAESTRO PRO INVERTER 12HP RVUX.

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Phone:	(+39) 030 319 5235	**Phone:**	(+39) 030 319 5235
FAX:	(+39) 030 373 1882	**FAX:**	(+39) 030 373 1882
Email:	p.lopresti@olimpiasplendid.it	**Email:**	p.lopresti@olimpiasplendid.it

Party Authorized To Apply Mark: Same as Manufacturer
Report Issuing Office: INTERTEK ITALIA SPA - Campoformido (Udine) - Italy

Control Number: *5009604* **Authorized by:** _____
for L. Matthew Snyder, Certification Manager

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Intertek

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Intertek Testing Services NA Inc.
545 East Algonquin Road, Arlington Heights, IL 60005
Telephone 800-345-3851 or 847-439-5667 Fax 312-283-1672

Standard(s):	Household And Similar Electrical Appliances, Part 1: General Requirements [UL 60335-1:2016 Ed.6] Household and Similar Electrical Appliances - Part 2-40: Particular Requirements for Electrical Heat Pumps, Air-Conditioners, and Dehumidifiers [UL 60335-2-40:2017 Ed.2] Safety of Household and Similar Appliances - Part 1: General Requirements [CSA C22.2#60335-1:2016 Ed.2] Household and Similar Electrical Appliances - Safety - Part 2-40: Particular Requirements for Electrical Heat Pumps, Air-Conditioners and Dehumidifiers [CSA C22.2#60335-2-40:2017 Ed.2]
Product:	Room Air Conditioner
Brand Name:	OLIMPIA SPLENDID
Models:	MAESTRO SMART 12 HP

MAESTRO

LIMITED WARRANTY

Thank you for purchasing this Maestro unit, which is covered by a limited 7 year compressor, a 2 year parts warranty as well as a 1 year limited "No Hassle Unit Replacement Warranty," where should the compressor fail or there is a leak in the refrigeration circuit within the first 12 months from date of startup, we will provide a new unit (no labor allowance). All shipping expenses of the new Maestro unit or replacement warranty parts are the responsibility of the distributor/rep or end user.

The warranty period mentioned above are only valid if the unit is registered online (https://olimpiasplendidusa.com/warranty) within 90 days from date of startup[1]. And if the unit is installed by an installer that has participated in the "mandatory" Maestro Certification training.

All units that are deemed repairable within the warranty period are to be shipped to and from a Maestro Authorized Service Center (MASC)at the owner's expense. MASC locations can be found by calling Olimpia Splendid Techincal Support 1-800-408-5196. Ext 103

THIS LIMITED WARRANTY DOES NOT COVER THE FOLLOWING[2]:

1. Damage caused by transportation or handling.
2. Service calls to your home for delivery or pick-up, installation, instruction, replacement of house fuses, connection of house wiring or plumbing, or to correct unauthorized repairs.
3. Failure of product to perform during power failures and interruptions or inadequate electrical service.
4. Damage caused to the product by accident, vermin, lightning, winds, fire, floods, or any other acts of God.
5. Damages caused by leaky or broken water pipes, frozen water pipes, restricted drain lines, or inadequate or interrupted water supply.
6. Damages caused by inadequate supply of air.
7. Damages caused by operating the product in a corrosive environment.
8. Repairs when this product is applied in other than single/multi family households use or contrary to the instructions described in the product user manual.
9. Damage resulting from accident, alteration, misuse, abuse, or improper installation, application, repair, or maintenance. Improper repair includes the use of parts not approved or specified by Olimpia Splendid USA.
10. Normal maintenance as described in the user manual, such as cleaning or replacing filters, cleaning coils, etc.
11. Use of accessories or components that are not compatible or factory approved for this product.
12. Products with altered or removed serial numbers.
13. Changes in the appearance of the product that do not affect product performance.
14. Increases in utility costs and additional utility expenses
15. A completed data sheet, available at www.OlimpiaSplendidUSA.com, must be submitted along with the warranty claim if requesting a replacement unit due to compressor failure. Claims submitted with a missing or incomplete data sheet are subjuct to delays and/or warranty rejection.

DISCLAIMER OF IMPLIED WARRANTIES - LIMITATION OF REMEDIES

CUSTOMER'S SOLE AND EXCLUSIVE REMEDY UNDER THIS LIMITED WARRANTY SHALL BE PRODUCT REPAIR OR REPLACEMENT AS PROVIDED HEREIN. CLAIMS BASED ON IMPLIED WARRANTIES, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED TO ONE YEAR OR THE SHORTEST PERIOD ALLOWED BY LAW, BUT NOT LESS THAN ONE YEAR. OLIMPIA SPLENDID SHALL NOT BE LIABLE FOR CONSEQUENTIAL OR INCIDENTAL DAMAGES SUCH AS PROPERTY DAMAGE AND INCIDENTAL EXPENSES RESULTING FROM ANY BREACH OF THIS WRITTEN LIMITED WARRANTY OR ANY IMPLIED WARRANTY. SOME STATES AND PROVINCES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, OR LIMITATIONS ON THE DURATION OF IMPLIED WARRANTIES, SO THESE LIMITATIONS OR EXCLUSIONS MAY NOT APPLY TO YOU. THIS WRITTEN WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS. YOU MAY ALSO HAVE OTHER RIGHTS THAT VARY FROM STATE TO STATE.

This warranty is subject to change without notice, please contact us or check our website for latest updates.

*Product Registration Information:
(**THIS SECTION TO BE FILLED OUT BY INSTALLER**)

Model Number: _____
Serial Number:_____
Date of Purchase: _____
Purchased from: _____
Installation Company Name:_____
Installation Company Phone:_____

Contact Information:

Olimpia Splendid USA, Inc.
870 International Parkway, Suite 120
Flower Mound, TX 75022
Sales@OlimpiaSplendidUSA.com
CustomerService@OlimpiaSplendidUSA.com
TechSupport@OlimpiaSplendidUSA.com
Technical Support: 1-800-408-5196 ext:103
www.OlimpiaSplendidUSA.com

[1] The warranty period for an unregistered unit will be 5 years for compressor, 1 year on parts and a 30 day unit replacement warranty (as outlined above) . To register your warranty, submit the above information online at: https://olimpiasplendidusa.com/warranty

[2] The cost of repair or replacement under these excluded circumstances shall be the responsibility of the end user.

OLIMPIA SPLENDID

HOME OF COMFORT

MAESTRO PRO | MAESTRO SMART

NOTES

THE PRESTIGIOUS ITALIAN DESIGN: THE HISTORY OF OLIMPIA SPLENDID

Since 1956, Olimpia Splendid, an Italian based company, has been designing, manufacturing and distributing heating and air conditioning products worldwide.

Our tagline, "Home of Comfort" describes our commitment to creating innovative, environmentally friendly products with a one-of-a-kind, made in Italy design. Our goal is to provide customers globally with comfort solutions where they live, work and play.

THE NORTH AMERICA SALES OFFICE

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Technical Support: 1-800-408-5196 ext:103

AHRI
AIR-CONDITIONING, HEATING, & REFRIGERATION INSTITUTE
we make life better®

ETL LISTED US

UNIT REPLACEMENT 1 YEAR WARRANTY

7 YEARS COMPRESSOR WARRANTY 2 YEARS PARTS

For more Mastero product information: