



DUCTLESS MINI-SPLITS

REDEFINE INDOOR COMFORT WITH

MAXIMUM EFFICIENCY, CONTROL, FLEXIBILITY & CHOICE



SINGLE-ZONE

PAGE 4

MULTI-ZONE

PAGE 6

HYPERTEK SINGLE-ZONE

PAGE 8

HYPERTEK MULTI-ZONE

PAGE 11

QUICK-CONNECT

PAGE 14

ACCESSORIES

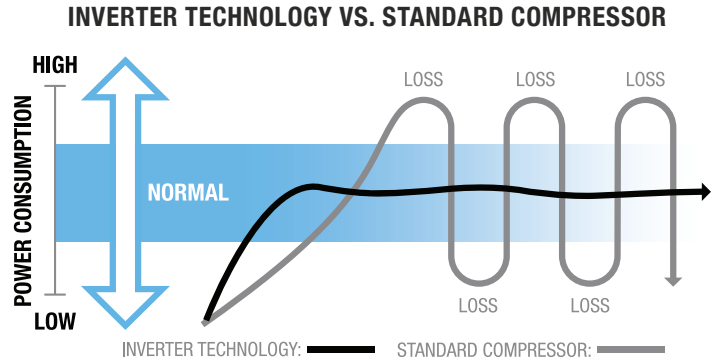
PAGE 15

PERFECT AIRE MINI-SPLIT SYSTEMS

ARE DESIGNED TO PROVIDE COMFORT, ENERGY EFFICIENCY, CONVENIENCE, RELIABILITY AND AIR QUALITY.

INVERTER TECHNOLOGY

To control room temperatures and maintain desired settings, the inverter compressor only uses energy required rather than full power like a standard compressor. Once it turns on and reaches desired setting, the inverter compressor will remain at that setting until more supply is needed. This prevents the unit from turning on and off frequently and uses different rotation speed to save energy and operate more quietly than standard compressors.

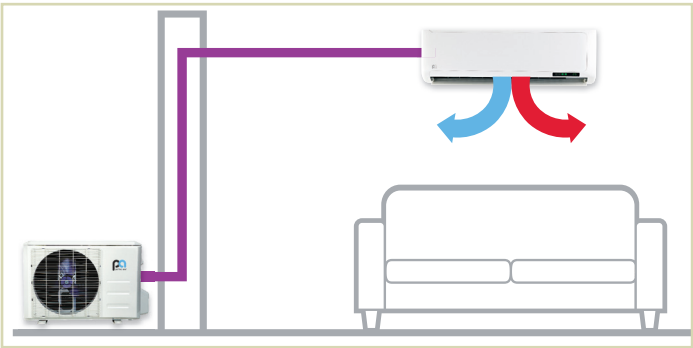


SINGLE-ZONE AND QUICK CONNECT

See pages 4 and 14 for details.

FLEXIBILITY OF MULTI-DESIGN SYSTEMS

Single-zone ductless mini-split systems provide the option to customize indoor comfort in a single space environment. Perfect Aire offers two types of single-zone mini-splits: traditional split systems and Quick Connect systems that allow for DIY installation without the need to add or evacuate refrigerant.

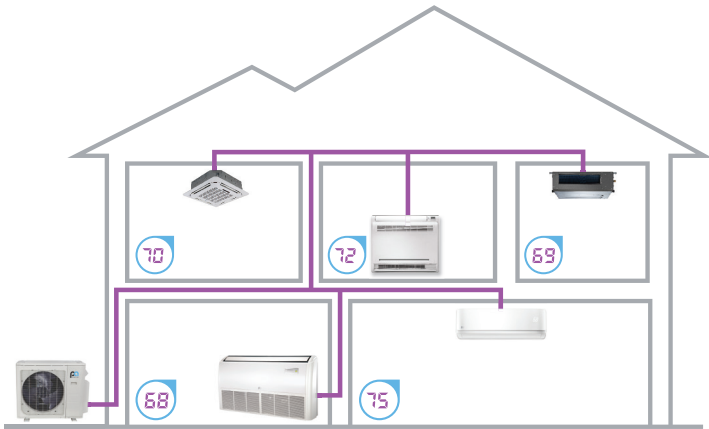


MULTI-ZONE

See page 6 for details.

FLEXIBILITY OF MULTI-ZONE SYSTEMS

- Available in multiple configurations and capacities
- Up to 5 rooms can operate at different temperatures for comfort and efficiency

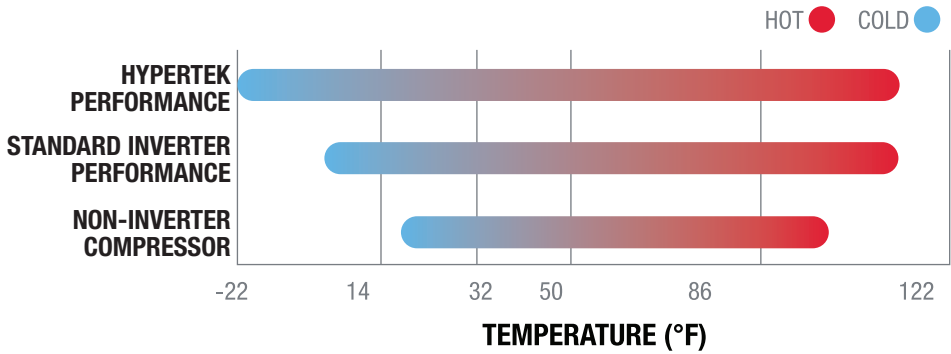


HYPERTEK SINGLE-ZONE AND MULTI-ZONE

See page 8 and 11 for details.

COLD CLIMATE CONTROL

New HyperTek heating allows operation at colder temperatures than previous models. Low temperature heating has been extended to -13°F with up to 90% capacity, and maximum operational heating down to -22°F.



FEATURES

COMFORT



360° AIR FLOW PANEL

Provides equal, fast and wide-range cooling in all directions



TURBO OPERATION

Unit maximizes cooling or heating output capacity, to attain desired temperature in the shortest amount of time



HEAT PUMP

- Provides year round comfort allowing unit to reverse refrigerant process in cold weather, by extracting outside heat and transferring inside
- Excellent for house additions without forced air heating systems or where ductwork is not possible



ANTI-COLD-AIR

Prevents cold air from blowing out at the beginning of operation by automatically regulating fan speed according to temperature

CONVENIENCE



FOLLOW ME – Single Zone and Multi-Zone Systems

Remote control with built-in room temperature sensor regulates room temperature around remote—allowing remote to become the thermostat



IFEEL REMOTE – Quick Connect Systems

Full-function “IFEEL” remote control includes a built-in thermostat that puts you in control of your comfort—anytime, anywhere



WI-FI CONNECTIVITY – Quick Connect Systems

Control room temperature, set fan speeds and create programmable, intelligent modes for when you’re at home or away, all from your mobile device with the convenient mobile app.

ENERGY SAVING



SLEEP MODE

Unit automatically increases (cooling) or decreases (heating) 2°F/hour for first 2 hours, and holds steady for next 5 hours before switching off and returning to preset temperature for both energy savings and comfort



HYDROPHILIC ALUMINUM FIN

- Improves indoor unit cooling efficiency by enabling unrestricted flow of condensate water between aluminum fins
- Improves outdoor unit heating efficiency by accelerating defrosting process



GOLDEN FIN

Anticorrosive coating on indoor and outdoor units withstands salty air, rain and other corrosive elements while improving heating efficiency by accelerating defrosting process

RELIABILITY



LOW AMBIENT OPERATION

With a special built-in kit the air conditioner can be used in temperatures as low as 5°F for cooling



SELF-DIAGNOSTIC FUNCTION

Allows unit to detect abnormal operations or part failures, display an error code on the indoor unit, and switch off automatically to protect the system



AUTO DEFROSTING

Evaporator automatically defrosts, prolonging product life and improving energy savings

AIR QUALITY



SILVER ION FILTER

Nano Silver attached to filter releases Silver Ion to kill or deactivate bacteria

WARRANTY INFORMATION



INITIAL 30 MONTH WARRANTY

Single Zone and Multi-zone

Confident in the quality of our products and their performance, we stand behind our products with an outstanding Initial 30 Month Warranty. If any part of your unit proves to be defective due to material and/or improper workmanship under normal conditions and use during the first 30 months of its original installation, at our option, we will either replace the defective part, or the entire unit – at no cost.



7 YEAR PARTS WARRANTY

Single Zone and Multi-zone

If any part of your unit proves to be defective due to material and/or improper workmanship under normal conditions and use within seven (7) years from the original date of installation, at our option, we will replace the defective part – at no cost.



7 YEAR COMPRESSOR WARRANTY

Single Zone and Multi-zone

If the compressor of your unit proves to be defective due to material and/or improper workmanship under normal conditions and use within seven (7) years from the original date of installation, we will replace the defective compressor – at no cost.



1 YEAR FULL REPLACEMENT WARRANTY

Quick Connect

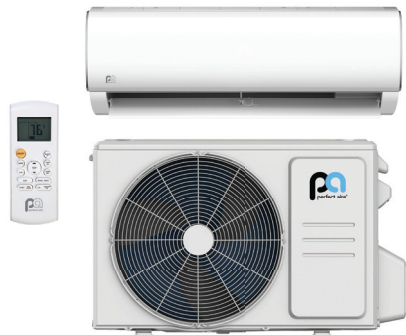
This warranty covers all defects in workmanship and the internal parts contained in this product for 1 year from the date of purchase. Warranty covers the original purchaser.

THE ABOVE INFORMATION IS A SUMMARY OF OUR LIMITED WARRANTY. SEE FULL WARRANTY FOR COMPLETE DETAILS.

SINGLE-ZONE MINI-SPLIT

16+ SEER

Providing maximum comfort, efficiency and control for single space environments, Perfect Aire 16+ SEER Series offers single-zone ductless systems from 9,000 Btu up to 36,000 Btu for use as primary cooling or heating sources. Operational temperature range is 5°F to 122°F in cooling mode and 5°F to 86°F in heating mode.



FULL SYSTEM		3PAMSH09A-16.5	3PAMSH09B-16.5	3PAMSH12A-16.5	3PAMSH12B-16.8
	POWER SUPPLY (V)	115	208-230	115	208-230
	SEER/EER (Btu/W)	16.5/10.1	16.5/8.8	16.5/8.8	16.5/8.8
	COOLING CAPACITY (Btu/h)	9,000	9,000	12,000	12,000
	RATED CURRENT COOLING (A)	7.5	4.45	11.89	5.92
	HEATING CAPACITY (Btu/h)	9,800	9,000	12,000	12,000
	RATED CURRENT HEATING (A)	8.9	3.95	10.54	5.27
	HSPF4/HSPF5 (Btu/W)	9.8/7.8	9.4/8.0	9.4/7.7	9.4/8.0
	DEHUMIDIFICATION (pts./Hr.)	2.1	2.5	2.1	2.5
		3PAMSH18B-16.8	3PAMSH24B-16.5	2PAMSH30B-18	2PAMSH36B-16
	POWER SUPPLY (V)	208-230	208-230	208-230	208-230
	SEER/EER (Btu/W)	16.8/9.9	16.5/8.9	18/10.5	16/8.5
	COOLING CAPACITY (Btu/h)	17,000	24,000	30,000	36,000
	RATED CURRENT COOLING (A)	7.6	12.3	12.5	18.5
	HEATING CAPACITY (Btu/h)	18,000	24,000	30,000	36,000
	RATED CURRENT HEATING (A)	7.5	11.3	13.5	16.7
	HSPF4/HSPF5 (Btu/W)	9.7/8.0	9.5/8.0	9.6/ 8.1	10/ 8.4
	DEHUMIDIFICATION (pts./Hr.)	4.2	5.0	7.0	8.5

HIGH WALL UNIT		3PAMSH09A-SZW	3PAMSH09B-SZW	3PAMSH12A-SZW	3PAMSH12B-SZW
	AIR FLOW (CFM) (Hi/Mi/Lo)	265/212/159	318/241/176	318/241/176	318/241/176
	FAN SPEEDS (R/Min.) (Hi/Mi/Lo)	1200/950/750	1200/950/750	1200/950/750	1200/950/750
	SOUND LEVEL (dBA) (Hi/Lo)	39.5/26	41/27.5	41/27.5	41.5/25.5
	UNIT				
	UNIT DIMENSIONS (WxHxD) (in.)	28 1/4 x 11 1/4 x 7 3/4	31 3/4 x 11 1/4 x 7 3/4	31 3/4 x 11 1/4 x 7 3/4	31 3/4 x 11 1/4 x 7 3/4
	NET WT./SHIPPING WT. (lbs.)	15.9/20.5	17.2/22	17.2/22	17.2/22
		3PAMSH18B-SZW	3PAMSH24B-SZW	2PAMSH30B-SZW-18	2PAMSH36B-SZW-16
	AIR FLOW (CFM) (Hi/Mi/Lo)	424/341/200	565/447/341	795/618/471	853/647/471
	FAN SPEEDS (R/Min.) (Hi/Mi/Lo)	1200/1000/800	1200/1000/800	1200/1050/950	1200/1050/750
	SOUND LEVEL (dBA) (Hi/Lo)	43.5/30	46/33.5	52.5/44.5	54.5/38.5
	UNIT				
	UNIT DIMENSIONS (WxHxD) (in.)	37 3/4 x 12 x 8 1/2	41 x 13 x 8 3/4	49 9/16 x 14 1/4 x 11 1/8	49 9/16 x 14 1/4 x 11 1/8
	NET WT./SHIPPING WT. (lbs.)	22.9/29.3	28.88/36.60	43/56	43/56

	3PAMSH09A-SZO	3PAMSH09B-SZO	3PAMSH12A-SZO	3PAMSH12B-SZO
ELECTRICAL DATA				
MAIN POWER CONNECTION	Outdoor Unit	Outdoor Unit	Outdoor Unit	Outdoor Unit
MINIMUM CIRCUIT AMPACITY (A)	15	15	15	12
MAX. FUSE (A)	20	20	20	15
MIN. IN/OUTDOOR CONNECT CABLE	16AWG x 4 (Stranded, unshielded)			

LINE SETS O.D.				
LIQUID CONNECTION (Flare) (in.)	1/4	1/4	1/4	1/4
SUCTION CONNECTION (Flare) (in.)	3/8	3/8	3/8	3/8
MAX. LINE SET LENGTH (ft.)	82	82	82	82
MAX. ELEVATION (Indoor/Outdoor) (ft.)	33	33	33	33

REFRIGERANT CHAGRE (R-410A)				
FACTORY PRE-CHARGE (ft./oz.)	25/20.46	25/25.75	25/25.75	25/25.75
ADDITIONAL REFRIGERANT (oz./ft.)	0.161	0.161	0.161	0.161

UNIT				
UNIT DIMENSIONS (WxHxD) (in.)	28 1/2 x 19 1/2 x 10 3/4	28 1/2 x 19 1/2 x 10 3/4	28 1/2 x 19 1/2 x 10 3/4	28 1/2 x 19 1/2 x 10 3/4
NET WT./SHIPPING WT. (lbs.)	54.67/58.42	52.91/56.44	55.12/58.86	52.91/56.44

	3PAMSH18B-SZO	3PAMSH24-SZO	2PAMSH30B-SZO-18	2PAMSH36B-SZO-16
--	---------------	--------------	------------------	------------------

ELECTRICAL DATA				
MAIN POWER CONNECTION	Outdoor Unit	Outdoor Unit	Outdoor Unit	Outdoor Unit
MINIMUM CIRCUIT AMPACITY (A)	15	18	20	25
MAX. FUSE (A)	20	25	30	35
MIN. IN/OUTDOOR CONNECT CABLE	16AWG x 4 (Stranded, unshielded)			

LINE SETS O.D.				
LIQUID CONNECTION (Flare) (in.)	1/4	3/8	3/8	3/8
SUCTION CONNECTION (Flare) (in.)	1/2	5/8	5/8	5/8
MAX. LINE SET LENGTH (ft.)	98	98	164	213
MAX. ELEVATION (Indoor/Outdoor) (ft.)	66	66	82	98

REFRIGERANT CHARGE (R-410A)				
FACTORY PRE-CHARGE (ft./oz.)	25/47.97	25/62.79	25/97.0	25/119.9
ADDITIONAL REFRIGERANT (oz./ft.)	0.161	.322	0.322	0.322

UNIT DIMENSIONS				
UNIT DIMENSIONS (WxHxD) (in.)	30 1/4 x 22 x 12	35 x 26 1/2 x 13 1/2	37 1/4 x 31 7/8 x 16 9/16	37 1/4 x 31 7/8 x 16 9/16
NET WT./SHIPPING WT. (lbs.)	64.2/69.7	97.89/104.5	138/148	143/153

MULTI-ZONE MINI-SPLIT

GENERATION II - UP TO 22.5 SEER

Multi-zone ductless mini-splits allow cooling or heating more than one room by zoning areas of a home, office, etc. Each system uses one outdoor condenser/compressor unit connected to up to five indoor air handlers. Each indoor unit is independently controlled. They are ideal for hospitals, nursing homes, dormitories, apartments or anywhere individual temperature settings are desired.

HIGHWALL UNIT	2PAMSH09-MZW		2PAMSH12-MZW		2PAMSH18-MZW	
	POWER SUPPLY (V,Hz,Ph)	208-230,60,1	208-230,60,1	208-230,60,1	208-230,60,1	208-230,60,1
	COOLING CAPACITY (Btu/h)	9,000	12,000	18,000	18,000	18,000
	HEATING CAPACITY (Btu/h)	10,000	12,700	19,200	19,200	19,200
	DEHUMIDIFICATION (pts./Hr.)	2.11	2.54	3.80	3.80	3.80
	LIQUID CONNECTION (Flare) (in.)	1/4	1/4	1/4	1/4	1/4
	SUCTION CONNECTION (Flare) (in.)	3/8	1/2	1/2	1/2	1/2
	INDOOR UNIT.					
	AIR FLOW (CFM) (Hi/Mi/Lo)	264/205/141	306/212/147	559/365/306	559/365/306	559/365/306
	FAN SPEEDS (Cool/Heat/Fan)	3/3/3	3/3/3	3/3/3	3/3/3	3/3/3
HIGHWALL UNIT	SOUND LEVEL dB(A) (Hi/Mi/Lo)	39/31/24.5	39/31/25	45.5/40/34.5	45.5/40/34.5	45.5/40/34.5
	UNIT DIMENSIONS					
	UNIT DIMENSIONS (WxHxD) (in.)	31 ⁹ / ₁₆ x 11 ¹¹ / ₁₆ x 7 ⁷ / ₁₆	31 ⁹ / ₁₆ x 11 ¹¹ / ₁₆ x 7 ⁷ / ₁₆	42 ¹ / ₂ x 13 ³ / ₁₆ x 8 ⁷ / ₈	42 ¹ / ₂ x 13 ³ / ₁₆ x 8 ⁷ / ₈	42 ¹ / ₂ x 13 ³ / ₁₆ x 8 ⁷ / ₈
	NET WT./SHIPPING WT. (lbs.)	18/22	18/22	29/37	29/37	29/37

OUTDOOR UNIT

	2PAMSH18-MZO2	2PAMSH27-MZO3	2PAMSH36-MZO4	2PAMSH48-MZO5
POWER SUPPLY (V,HZ,Ph)	208-230,60,1	208-230,60,1	208-230,60,1	208-230,60,1
COOLING CAPACITY (Btu/h)	18,000	27,000	36,000	48,000
HEATING CAPACITY (Btu/h)	18,000	28,000	36,000	48,000
SEER/EER (Btu/W)	21.3/12.5	22/12	22.5/10.9	21.5/11.6
HSPF4/HSPF5 (Btu/W)	10/8.6	9.8/8	10.3/9	10.4/8.6
LINE SET LENGTH (ft.) (Each Indoor Unit/Total System)	82/131	98/197	115/262	115/262
MAX. ELEVATION (Indoor/Outdoor) (ft.)	49	49	49	49
MAX. ELEVATION (Indoor Units) (ft.)	33	33	33	33
ELECTRICAL DATA				
MAIN POWER CONNECTION	Outdoor Unit	Outdoor Unit	Outdoor Unit	Outdoor Unit
MINIMUM CIRCUIT AMPACITY (A)	18	25	30	35
MAX. FUSE (A)	25	35	45	50
MIN. IN/OUTDOOR CONNECT CABLE	16AWG x 4 (Stranded, unshielded)			
OUTDOOR CONNECTIONS				
LIQUID CONNECTION (Flare) (in.)	2 x 1/4	3 x 1/4	4 x 1/4	5 x 1/4
SUCTION CONNECTION (Flare) (in.)	2 x 3/8	3 x 3/8	3 x 3/8 + 1 x 1/2	3 x 3/8 + 2 x 1/2
REFRIGERANT CHARGE (R-410A)				
FACTORY PRE-CHARGE (ft./oz.)	50/70.5	75/98.8	100/105.8	125/162.3
ADDITIONAL REFRIGERANT (oz./ft.)	0.161	0.161	0.161	0.32
UNIT DIMENSIONS				
UNIT DIMENSIONS (WxHxD) (in.)	33 ^{1/4} x 27 ^{5/8} x 14 ^{5/16}	37 ^{1/4} x 31 ^{7/8} x 16 ^{1/8}	37 ^{1/4} x 31 ^{7/8} x 16 ^{1/8}	37 ^{1/2} x 52 ^{1/2} x 16 ^{5/16}
NET WT./SHIPPING WT. (lbs.)	150/161	150/161	157/168	224/255



DUCTED UNIT	2PAMSDH09		2PAMSDH12		2PAMSDH18		2PAMSDH24	
	COOLING CAPACITY (Btu/h)	9,000	12,000	18,000	24,000	24,000	24,000	24,000
	DEHUMIDIFICATION (pts./Hr.)	1.69	2.96	3.80	5.49	5.49	5.49	5.49
	INDOOR AIR FLOW (CFM) (Hi/Mi/Lo)	335/290/240	370/320/260	520/430/360	820/620/520	820/620/520	820/620/520	820/620/520
	SOUND LEVEL dB(A) (Hi/Mi/Lo)	39/37/33	40/38/33	36/34/30	50/46/45	50/46/45	50/46/45	50/46/45
	CONTROLLER	Wired	Wired	Wired	Wired	Wired	Wired	Wired
	LINE SETS O.D.							
	LIQUID CONNECTION (Flare) (in.)	1/4	1/4	1/4	3/8	3/8	3/8	3/8
	SUCTION CONNECTION (Flare) (in.)	3/8	1/2	1/2	5/8	5/8	5/8	5/8
	UNIT DIMENSIONS							
DUCTED UNIT	UNIT DIMENSIONS (WxHxD) (in.)	27 ⁹ / ₁₆ x 25 x 8 ¹ / ₄	27 ⁹ / ₁₆ x 25 x 8 ¹ / ₄	36 ¹ / ₄ x 25 x 8 ¹ / ₄	36 ¹ / ₄ x 25 x 10 ⁵ / ₈	36 ¹ / ₄ x 25 x 10 ⁵ / ₈	36 ¹ / ₄ x 25 x 10 ⁵ / ₈	36 ¹ / ₄ x 25 x 10 ⁵ / ₈
	NET WT./SHIPPING WT. (lbs.)	40/50	40/50	51/64	57/68	57/68	57/68	57/68

CEILING CASSETTE	2PAMSCH12		2PAMSCH18		2PAMSCH24	
	COOLING CAPACITY (Btu/h)	12,000	18,000	24,000	24,000	24,000
	HEATING CAPACITY (Btu/h)	12,000	18,000	24,000	24,000	24,000
	DEHUMIDIFICATION (pts./Hr.)	2.96	3.80	5.49	5.49	5.49
	AIR FLOW (CFM)	338/288/248	562/485/439	820/740/590	820/740/590	820/740/590
	SOUND LEVEL dB(A) (Hi/Mi/Lo)	41/38/35	46/43/41	51/47/43	51/47/43	51/47/43
	LINE SET O.D.					
	LIQUID CONN. (Flare) (in.)	1/4	1/4	3/8	3/8	3/8
	SUCTION CONN. (Flare) (in.)	1/2	1/2	5/8	5/8	5/8
	UNIT DIMENSIONS					
CEILING CASSETTE	UNIT DIMENSIONS (WxHxD) (in.)	22 ⁷ / ₁₆ x 10 ¹ / ₄ x 22 ⁷ / ₁₆	22 ⁷ / ₁₆ x 10 ¹ / ₄ x 22 ⁷ / ₁₆	33 ¹ / ₁₆ x 8 ¹ / ₁₆ x 33 ¹ / ₁₆	33 ¹ / ₁₆ x 8 ¹ / ₁₆ x 33 ¹ / ₁₆	33 ¹ / ₁₆ x 8 ¹ / ₁₆ x 33 ¹ / ₁₆
	NET WT./SHIPPING WT. (lbs.)	35/42	40/46	45/53	45/53	45/53

CONSOLE	2PAMSCONH12	
	COOLING CAPACITY (Btu/h)	12,000
	HEATING CAPACITY (Btu/h)	12,000
	DEHUMIDIFICATION (pts./Hr.)	2.96
	AIR FLOW (CFM)	365/318/248
	SOUND LEVEL dB(A) (Hi/Mi/Lo)	45/41/35
	LINE SETS O.D.	
	LIQUID CONNECTION (Flare) (in.)	1/4
	SUCTION CONNECTION (Flare) (in.)	1/2
	UNIT DIMENSIONS	
CONSOLE	UNIT DIMENSIONS (WxHxD) (in.)	27 ⁹ / ₁₆ x 23 ⁵ / ₈ x 8 ¹ / ₄
	NET WT./SHIPPING WT. (lbs.)	32.41/42.77

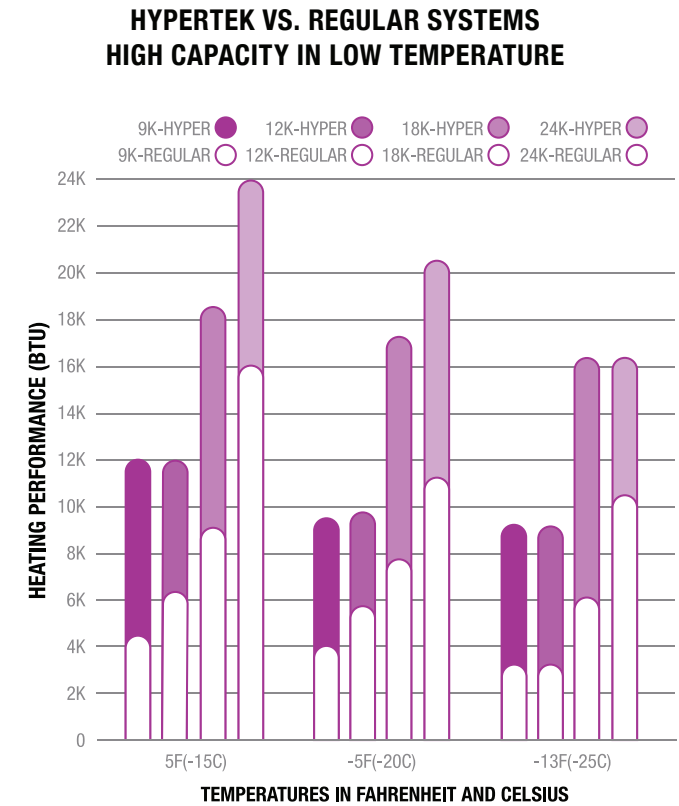
FLOOR / CEILING	2PAMSFCH18	
	COOLING CAPACITY (Btu/h)	18,000
	HEATING CAPACITY (Btu/h)	18,000
	DEHUMIDIFICATION (pts./Hr.)	3.80
	AIR FLOW (CFM)	666/595/525
	SOUND LEVEL dB(A) (Hi/Mi/Lo)	47/44/39
	LINE SETS O.D.	
	LIQUID CONNECTION (Flare) (in.)	1/4
	SUCTION CONNECTION (Flare) (in.)	1/2
	UNIT DIMENSIONS	
FLOOR / CEILING	UNIT DIMENSIONS (WxHxD) (in.)	42 ¹ / ₁₆ x 26 ⁹ / ₁₆ x 12 ⁵ / ₁₆
	NET WT./SHIPPING WT. (lbs.)	55/66

HYPERTEK SINGLE-ZONE

HIGH EFFICIENCY & HEAT CAPACITY UP TO 25 SEER



Pair any choice of Perfect Aire® multi-design indoor air handlers with our high-efficiency, inverter-driven, single-zone condenser to meet individual aesthetics and climate needs. No matter the weather challenge, keep comfortable with cooling and HyperTek heating that deliver high performance at both ends of the personal comfort spectrum with an operational temperature range from -22°F to 122°F in cooling mode, -22°F to 86°F in heating mode and ENERGY STAR® certification. All HyperTek high wall heads will work with multi-zone condensers. This flexibility allows you to configure Perfect Aire systems to fit your needs.



ALL HYPERTEK SINGLE-ZONE COMPONENTS ARE COMPATIBLE

FULL SYSTEM W/ HIGH WALL		1PAMSHH09-25	1PAMSHH12-22.5	2PAMSHH18-20	1PAMSHH24-20.5
	POWER SUPPLY (V)	208-230	208-230	208-230	208-230
	COOLING CAPACITY (Btu/h)	9,000	12,000	16,000	24,000
	RATED CURRENT COOLING (A)	2.70	4.20	5.35	8.40
	HEATING CAPACITY (Btu/h)	10,900	11,800	17,000	24,000
	RATED CURRENT HEATING (A)	3.63	4.24	6.02	10.9
	SEER/EER (Btu/W)	25/14.5	22.5/13	20/13	20.5/13
	HSPF4/HSPF5 (Btu/W)	11.20/9	12/9.9	11/9	11.5/9.6
HIGH WALL UNIT	DEHUMIDIFICATION (pts./Hr.)	2.32	2.75	3.59	5.49

	1PAMSHH09-SZW-25	1PAMSHH12-SZW-22.5	2PAMSHH18-SZW-20	1PAMSHH24-SZW-20.5
AIR FLOW (CFM) (Hi/Mi/Lo)	418/324/247	418/324/247	365/271/156	794/647/500
FAN SPEEDS (Cool/Heat/Fan)	3/3/3	3/3/3	3/3/3	3/3/3
SOUND LEVEL dB(A) (Hi/Mi/Lo)	42/33/24.5	43/36/24	45/39.5/29.5	47.5/44/36.5
UNIT DIMENSIONS				
UNIT DIMENSIONS (WxHxD) (in.)	32 ^{7/8} x 11 x 7 ^{13/16}	32 ^{7/8} x 11 x 7 ^{13/16}	39 x 12 ^{3/8} x 8 ^{9/16}	46 ^{11/16} x 13 ^{3/8} x 10 ^{3/16}
NET WT./SHIPPING WT. (lbs.)	19.84/25.35	19.84/26.68	27/36	40.12/50.26

OUTDOOR UNIT

	1PAMSHH09-SZ0-25	1PAMSHH12-SZ0-22.5	2PAMSHH18-SZ0-20	1PAMSHH24-SZ0-20.5
ELECTRICAL DATA				
MAIN POWER CONNECTION	Outdoor Unit: 208-230V, 60Hz, 1Ph			
MINIMUM CIRCUIT AMPACITY (A)	9	9	18	20
MAX. FUSE (A)	15	15	25	30
MIN. IN/OUTDOOR CONNECT CABLE	16AWG x 4 (Stranded, unshielded)			
LINE SETS O.D.				
LIQUID CONNECTION (Flare) (in.)	1/4	1/4	1/4	3/8
SUCTION CONNECTION (Flare) (in.)	3/8	1/2	1/2	5/8
MAX. LINE SET LENGTH (ft.)	82	82	98	164
MAX. ELEVATION (Indoor/Outdoor) (ft.)	33	33	66	82
REFRIGERANT CHARGE (R-410A)				
FACTORY PRE-CHARGE (ft./oz.)	25/52.9	25/52.9	25/60.0	25/91.7
ADDITIONAL REFRIGERANT (oz./ft.)	0.161	0.161	0.161	0.322
UNIT DIMENSIONS				
UNIT DIMENSIONS (WxHxD) (in.)	31 ^{1/2} x 21 ^{13/16} x 13 ^{1/8}	31 ^{1/2} x 21 ^{13/16} x 13 ^{1/8}	33 x 28 x 14	37 ^{1/4} x 31 ^{7/8} x 16 ^{1/8}
NET WT./SHIPPING WT. (lbs.)	88.2/93.7	88.2/93.7	108/115	135.58/148.81

ALL HYPERTEK SINGLE-ZONE COMPONENTS ARE COMPATIBLE

DUCTED UNIT		2PAMSDH09	2PAMSDH12	2PAMSDH18	2PAMSDH24
	POWER SUPPLY (V,HZ,Ph)	208-230,60,1	208-230,60,1	208-230,60,1	208-230,60,1
	COOLING CAPACITY (Btu/h)	9,000	11,500	16,500	24,000
	HEATING CAPACITY (Btu/h)	10,000	12,000	18,000	24,000
	SEER/EER (Btu/W)	19/13	19/12.5	19.6/12.5	20.5/12.5
	HSPF4/HSPF5 (Btu/W)	11.1/9.7	10.5/9.1	10.5/9.1	11.5/9.8
	CONTROL TYPE	Wired Control	Wired Control	Wired Control	Wired Control
	INDOOR AIR FLOW (CFM) (Hi/Mi/Lo)	335/290/240	370/320/260	520/430/360	820/620/520
UNIT DIMENSIONS					
DUCTED UNIT	UNIT DIMENSIONS (WxHxD) (in.)	27 ⁹ / ₁₆ x 8 ¹ / ₄ x 25	27 ⁹ / ₁₆ x 8 ¹ / ₄ x 25	36 ¹ / ₄ x 8 ¹ / ₄ x 25	36 ¹ / ₄ x 10 ⁵ / ₈ x 25
	NET WT./SHIPPING WT. (lbs.)	39.90/50.27	39.68/49.38	50.71/60.63	57.32/68.34

CONSOLE	2PAMSCONH12		FLOOR / CEILING	2PAMSFCH18	
	POWER SUPPLY (V,Hz,Ph)	208-230,60,1		POWER SUPPLY (V,Hz,Ph)	208-230,60,1
	COOLING CAPACITY (Btu/h)	12,000		COOLING CAPACITY (Btu/h)	17,000
	HEATING CAPACITY (Btu/h)	12,000		HEATING CAPACITY (Btu/h)	18,000
	SEER/EER (Btu/W)	19.4/12.5		SEER/EER (Btu/W)	19.9/12.5
	HSPF4/HSPF5 (Btu/W)	10.5/9.2		HSPF4/HSPF5 (Btu/W)	10.6/9.2
	DEHUMIDIFICATION (pts./Hr.)	2.96		DEHUMIDIFICATION (pts./Hr.)	2.96
	INDOOR AIR FLOW (CFM) (Hi/Mi/Lo)	414/361/267		INDOOR AIR FLOW (CFM) (Hi/Mi/Lo)	666/595/525
	INDOOR NOISE LEVEL dB(A) (Hi/Mi/Lo)	45/41/35		INDOOR NOISE LEVEL dB(A) (Hi/Mi/Lo)	47/44/39
	UNIT DIMENSIONS			UNIT DIMENSIONS	
UNIT DIMENSIONS (WxHxD) (in.)	27 ⁹ / ₁₆ x 8 ¹ / ₄ x 23 ⁵ / ₈	UNIT DIMENSIONS (WxHxD) (in.)	42 ¹ / ₁₆ x 9 ¹ / ₄ x 26 ⁵ / ₈		
NET WT./SHIPPING WT. (lbs.)		33.95/44.31	NET WT./SHIPPING WT. (lbs.)		55.12/65.48

CEILING CASSETTE		2PAMSCH12	2PAMSCH18	2PAMSCH24
	POWER SUPPLY (V,HZ,Ph)	208-230,60,1	208-230,60,1	208-230,60,1
	COOLING CAPACITY (Btu/h)	12,000	16,000	24,000
	HEATING CAPACITY (Btu/h)	12,000	18,000	24,000
	SEER/EER (Btu/W)	19.5/12.5	20/12.5	20/11
	HSPF4/HSPF5 (Btu/W)	10.6/9.2	10.5/9.1	11.5/10
	DEHUMIDIFICATION (pts./Hr.)	3.80	5.49	5.49
	INDOOR AIR FLOW(CFM) (Hi/Mi/Lo)	380/324/279	520/449/406	878/761/625
UNIT DIMENSIONS				
CEILING CASSETTE	INDOOR NOISE LEVEL dB(A) (Hi/Mi/Lo)	42/38/33	44/40/38	52/50/47
	BODY (WxHxD) (in.)	22 ⁷ / ₁₆ x 10 ¹ / ₄ x 22 ⁷ / ₁₆	22 ⁷ / ₁₆ x 10 ¹ / ₄ x 22 ⁷ / ₁₆	33 ¹ / ₁₆ x 8 ¹ / ₁₆ x 33 ¹ / ₁₆
CEILING CASSETTE	PANEL (WxHxD) (in.)	25 ¹ / ₂ x 2 x 25 ¹ / ₂	25 ¹ / ₂ x 2 x 25 ¹ / ₂	37 ³ / ₈ x 2 ³ / ₁₆ x 37 ³ / ₈
	NET WT./SHIPPING WT.			
CEILING CASSETTE	BODY (lbs.)	35.27/41	35.49/41.23	46.3/54.23
	PANEL (lbs.)	5.51/9.92	5.51/9.92	11.02/17.64

HYPERTEK MULTI-ZONE

GENERATION III – UP TO 22 SEER

Perfect Aire HyperTek Multi-Zone Mini-Splits offer consistent warmth in extremely cold environments, down to -22°F. Perfect for adding supplemental heat or bringing warmth to drafty areas, these systems provide cost-effective installation with zero ductwork to install, zoned temperature control for multiple spaces and significant energy savings when compared to traditional central systems.



ALL HYPERTEK MULTI-ZONE COMPONENTS ARE COMPATIBLE

HIGHWALL UNIT		2PAMSH09-MZW	2PAMSH12-MZW	2PAMSH18-MZW
	POWER SUPPLY (V,HZ,Ph)	208-230,60,1	208-230,60,1	208-230,60,1
	COOLING CAPACITY (Btu/h)	9,000	12,000	18,000
	HEATING CAPACITY (Btu/h)	10,000	12,700	19,200
	DEHUMIDIFICATION (pts./Hr.)	2.11	2.54	3.80
	LIQUID CONNECTION (Flare) (in.)	1/4	1/4	1/4
	SUCTION CONNECTION (Flare) (in.)	3/8	1/2	1/2
INDOOR UNIT				
HIGHWALL UNIT	AIR FLOW (CFM) (Hi/Mi/Lo)	264/205/141	306/212/147	559/365/306
	FAN SPEEDS (Cool/Heat/Fan)	3/3/3	3/3/3	3/3/3
	SOUND LEVEL dB(A) (Hi/Mi/Lo)	39/31/24.5	39/31/25	45.5/40/34.5
UNIT DIMENSIONS				
HIGHWALL UNIT	UNIT DIMENSIONS (WxHxD) (in.)	31 ⁹ / ₁₆ x 11 ¹¹ / ₁₆ x 7 ⁷ / ₁₆	31 ⁹ / ₁₆ x 11 ¹¹ / ₁₆ x 7 ⁷ / ₁₆	42 ¹ / ₂ x 13 ³ / ₁₆ x 8 ⁷ / ₈
	NET WT./SHIPPING WT. (lbs.)	18/22	18/22	29/37

	2PAMS18-HH-MZ02	2PAMS27-HH-MZ03	2PAMS36-HH-MZ04	2PAMS48-HH-MZ05
POWER SUPPLY (V,Hz,Ph)	208-230,60,1	208-230,60,1	208-230,60,1	208-230,60,1
COOLING CAPACITY (Btu/h)	19,000	28,000	36,000	48,000
HEATING CAPACITY (Btu/h)	20,000	28,000	36,000	49,000
SEER/EER (Btu/W)	21.5/12.5	22/13	21.5/13.5	21.5/11.6
HSPF4/HSPF5 (Btu/W)	9.8/8.5	10.4/9	10.5/8.5	10.3/8.6
LINE SET LENGTH (ft.) (Each Indoor Unit/Total System)	82/131	98/197	115/262	115/262
MAX. ELEVATION (Indoor/Outdoor) (ft.)	49	49	49	49
MAX. ELEVATION (Indoor Units) (ft.)	33	33	33	33

ELECTRICAL DATA

MAIN POWER CONNECTION	Outdoor Unit	Outdoor Unit	Outdoor Unit	Outdoor Unit
MINIMUM CIRCUIT AMPACITY (A)	25	30	35	35
MAX. FUSE (A)	35	45	50	50
MIN. IN/OUTDOOR CONNECT CABLE	16AWG x 4 (Stranded, unshielded)			

OUTDOOR CONNECTIONS

LIQUID CONNECTION (Flare) (in.)	2 x 1/4	3 x 1/4	4 x 3/8	5 x 1/4
SUCTION CONNECTION (Flare) (in.)	2 x 3/8	3 x 3/8	4 x 1/2	5 x 3/8

REFRIGERANT CHARGE (R-410A)

FACTORY PRE-CHARGE (ft./oz.)	49/98.8	74/105.8	98/162.3	125/162
ADDITIONAL REFRIGERANT (oz./ft.)	0.161	0.161	0.161	0.161

UNIT DIMENSIONS

UNIT DIMENSIONS (WxHxD) (in.)	37 1/4 x 32 x 16 1/4	37 1/4 x 32 x 16 1/4	37 1/2 x 52 1/2 x 16 1/2	37 1/2 x 52 1/2 x 16 1/2
NET WT./SHIPPING WT. (lbs.)	149.91/160.94	159.53/167.55	223.77/255.07	238.32/269.84

	2PAMSDH09	2PAMSDH12	2PAMSDH18	2PAMSDH24
COOLING CAPACITY (Btu/h)	9,000	12,000	18,000	24,000
DEHUMIDIFICATION (pts./Hr.)	1.69	2.96	3.80	5.49
INDOOR AIR FLOW (CFM) (Hi/Mi/Lo)	335/290/240	370/320/260	520/430/360	820/620/520
SOUND LEVEL dB(A) (Hi/Mi/Lo)	39/37/33	40/38/33	36/34/30	50/46/45
CONTROLLER	Wired	Wired	Wired	Wired

LINE SETS O.D.

LIQUID CONNECTION (Flare) (in.)	1/4	1/4	1/4	3/8
SUCTION CONNECTION (Flare) (in.)	3/8	1/2	1/2	5/8

UNIT DIMENSIONS

UNIT DIMENSIONS (WxHxD) (in.)	27 ^{9/16} x 25 x 8 ^{1/4}	27 ^{9/16} x 25 x 8 ^{1/4}	36 ^{1/4} x 25 x 8 ^{1/4}	36 ^{1/4} x 25 x 10 ^{5/8}
NET WT./SHIPPING WT. (lbs.)	40/50	40/50	51/64	57/68

ALL HYPERTEK MULTI-ZONE COMPONENTS ARE COMPATIBLE

	2PAMSCH12	2PAMSCH18	2PAMSCH24
COOLING CAPACITY (Btu/h)	12,000	18,000	24,000
HEATING CAPACITY (Btu/h)	12,000	18,000	24,000
DEHUMIDIFICATION (pts./Hr.)	2.96	3.80	5.49
AIR FLOW (CFM)	338/288/248	562/485/439	820/740/590
SOUND LEVEL dB(A) (Hi/Mi/Lo)	41/38/35	46/43/41	51/47/43

LINE SET O.D.

LIQUID CONN. (Flare) (in.)	1/4	1/4	3/8
SUCTION CONN. (Flare) (in.)	1/2	1/2	5/8

UNIT DIMENSIONS

UNIT DIMENSIONS (WxHxD) (in.)	22 ^{7/16} x 10 ^{1/4} x 22 ^{7/16}	22 ^{7/16} x 10 ^{1/4} x 22 ^{7/16}	33 ^{1/16} x 8 ^{1/16} x 33 ^{1/16}
NET WT./SHIPPING WT. (lbs.)	35/42	40/46	45/53

	2PAMSCONH12
COOLING CAPACITY (Btu/h)	12,000
HEATING CAPACITY (Btu/h)	12,000
DEHUMIDIFICATION (pts./Hr.)	2.96
AIR FLOW (CFM)	365/318/248
SOUND LEVEL dB(A) (Hi/Mi/Lo)	45/41/35

LINE SETS O.D.

LIQUID CONNECTION (Flare) (in.)	1/4
SUCTION CONNECTION (Flare) (in.)	1/2

UNIT DIMENSIONS

UNIT DIMENSIONS (WxHxD) (in.)	27 ^{9/16} x 23 ^{5/8} x 8 ^{1/4}
NET WT./SHIPPING WT. (lbs.)	32.41/42.77

	2PAMSFCH18
COOLING CAPACITY (Btu/h)	18,000
HEATING CAPACITY (Btu/h)	18,000
DEHUMIDIFICATION (pts./Hr.)	3.80
AIR FLOW (CFM)	666/595/525
SOUND LEVEL dB(A) (Hi/Mi/Lo)	47/44/39

LINE SETS O.D.

LIQUID CONNECTION (Flare) (in.)	1/4
SUCTION CONNECTION (Flare) (in.)	1/2

UNIT DIMENSIONS

UNIT DIMENSIONS (WxHxD) (in.)	42 ^{1/16} x 26 ^{9/16} x 12 ^{5/16}
NET WT./SHIPPING WT. (lbs.)	55/66

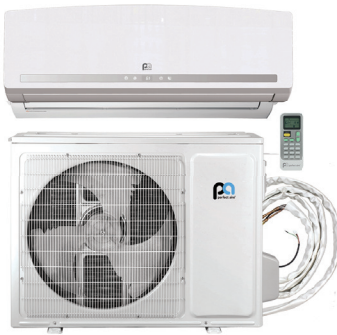


QUICK-CONNECT MINI-SPLIT

17.9 - 23.9 SEER

Zoned heating and cooling is easier than you think with a Perfect Aire Quick Connect Single-Zone Mini-Split. Systems range from 9,000 BTU up to 33,000 BTU for use as a primary cooling source or as supplemental cooling and heating solution to more challenging applications. With no costly ducts to install, maintain or get in the way of your comfort, an energy efficient Quick Connect Mini-Split system gets up and running easily to deliver cooling or heating right where you need it.

Find all our products online at www.perfectaire.us



FULL SYSTEM		3PAMSHQC09	3PAMSHQC12	3PAMSHQC18	3PAMSHQC24	3PAMSHQC36-2
	POWER SUPPLY (V)	115	115	230	230	230
	SEER/EER (Btu/W)	19.5/12.8	22/12.6	23.3/13	21/12.51	17.6/10
	COOLING CAPACITY (Btu/h)	9,000	12,000	18,000	23,400	33,000
	RATED CURRENT COOLING (W)	700	950	1385	1870	3,310
	HEATING CAPACITY (Btu/h)	9,500	13,000	19,000	26,000	33,400
	RATED CURRENT HEATING (W)	780	1,100	1,638	2,500	3,100
	HSPF4 (Btu/W)	10	10.5	11.6	10.5	9.6
	DEHUMIDIFICATION (pts./Hr.)	1.9	2.5	3.2	5.1	8
HIGH WALL UNIT		3PAMSHQCW09	3PAMSHQCW12	3PAMSHQCW18	3PAMSHQCW24	3PAMSHQCW36-2
	AIR FLOW (CFM)	341	365	647	706	1,058
	FAN SPEEDS (R/Min.) (RPM)	1150/1120/990/880/800	1150/1070/990/910/800	1100/1070/960/870/800	1200/1100/1040/950/880	1150/1080/1000/920/850
	SOUND LEVEL (dBA) (Hi/Mi/Lo)	39/32/29	39/32/29	45/41/37	49/45/40	50/45/40
	UNIT DIMENSIONS					
UNIT DIMENSIONS (WxHxD) (in.)	32 1/8 x 10 5/8 x 8 3/8	32 1/8 x 10 5/8 x 8 3/8	42 3/4 x 12 3/8 x 9 1/4	42 3/4 x 12 3/8 x 9 1/4	53 1/8 x 14 1/2 x 10 1/2	
NET WT./SHIPPING WT. (lbs.)	9/11	9/11	14.5/17	14.5/17	18/21.5	
OUTDOOR UNIT		3PAMSHQC009	3PAMSHQC012	3PAMSHQC018	3PAMSHQC024	3PAMSHQC036-2
	ELECTRICAL DATA					
	MAIN POWER CONNECTION	Outdoor Unit	Outdoor Unit	Outdoor Unit	Outdoor Unit	Outdoor Unit
	MINIMUM CIRCUIT AMPACITY (A)	15	20	15	25	25
	MAX. FUSE (A)	20	25	20	30	30
	MIN. IN/OUTDOOR CONNECT CABLE	16AWG x 4 (Stranded)				
	LINE SET O.D.					
	LIQUID CONNECTION (Flare) (in.)	1/4	1/4	1/4	3/8	3/8
	SUCTION CONNECTION (Flare) (in.)	3/8	3/8	1/2	5/8	5/8
	MAX. LINE SET LENGTH (ft.)	65.4	65.4	65.4	65.4	65.4
MAX. ELEVATION (Indoor/Outdoor) (ft.)	32.8	32.8	32.8	32.8	32.8	
REFRIGERANT CHARGE (R-410A)						
FACTORY PRE-CHARGE (ft./oz.)	33.51	40.91	54.67	75.83	79	
ADDITIONAL REFRIGERANT (oz./ft.)	0.22	0.22	0.22	0.32	0.43	
UNIT DIMENSIONS						
UNIT DIMENSIONS (WxHxD) (in.)	28 1/8 x 19 x 9 7/16	31 7/8 x 23 x 11	33 7/8 x 25 9/16 x 12 3/16	34 7/8 x 31 5/16 x 14 3/8	34 7/8 x 31 5/16 x 14 3/8	
NET WT./SHIPPING WT. (lbs.)	29.5/31	35.5/38	45/49	61/65.5	60/65	

MINI-SPLIT LINE SET COVERS & ACCESSORIES

12' AND 20' KITS

12' KIT INCLUDES:

- 3 x Ducts (47.25" Ea.)
1 x Wall Outlet
1 x Flat Elbow
- 1 x End Cap
2 x Couplers
1 x Accessory Parts

20' KIT INCLUDES:

- 5 x Ducts (47.25" Ea.)
1 x Wall Outlet
1 x Flat Elbow
- 1 x End Cap
4 x Couplers
1 x Accessory Parts

- Protect and hide mini split system refrigerant lines
- Ultra-durable, easy to install, lightweight, and weatherproof
- Can be installed over existing pre-installed pipes
- 12' typically used with 15' line set installations
- 20' typically used with 25' line set installations
- Color-white (paintable)



LINE SET KITS	Part Number	Product Image	Description	Packaging Dimension (W x H x L) (in.)	Master Pack Qty.
	PROLSKIT-12		Kit #1 – 12' Kit	10.75 x 5 x 48	1
	PROLSKIT-20		Kit #2 – 20' Kit	13 x 5 x 48	1
	PROLSDUCT47-3		Line Set Cover Duct 47.25"	4 x 2.75 x 47.25	6
	PROLSOUTLET-3		Line Set Cover Wall Outlet	4.5-5 x 3-3.25 x 9	50
	PROLSELBOW-3		Line Set Cover Flat Elbow	4 x 3 x 6	63
	PROLSBEND-3		Line Set Cover Corner Bend	3 x 4.25 x 4.5	78
	PROLSCAP-3		Line Set Cover End Cap	2.25 x 3 x 4.5	150
	PROLSCOUPPING-3		Line Set Cover Duct Coupling	4.5 x 3 x 2.5	180
	PROLST-3		Line Set Cover T Joint	3 x 4.5 x 9.25	42
ACCESSORIES	PROLSFLEX -3		Line Set Cover Flexible Joint	3.5 x 4 x 2.5	24
	Container quantity for 12' and 20' kits equals 1,800 units				

ACCESSORIES	Part Number	Product Image	Description	Packaging Dimension (W x H x L) (in.)	Master Pack Qty.
	EP1838-3		EcoPad™ Plastic Equipment Pad	38 x 3 x 18	1
	230-MB17W		17" Hef-T-Block Mounting Blocks (Quantity of 2 per box)	5 x 19 x 8.5	1
	QSMS1801		Mini-Split Stand holds up to 400 lbs.	19 x 3 x 34	1



5401 Dansher Road, Countryside, IL 60525 | p (844)472-2473
f (630) 323-2301 | www.perfectaire.us | support@perfectaire.us

PA/MiniSplitBrochure/12032020