






Quantum Series High Efficiency Heat Pump Up to 21 SEER2 1½ to 5 Tons





Product Features


-  **12-Year Compressor & 7-Year Parts Warranty with Registration**


Secure the best-in-class warranty for today's HVAC systems—featuring a 7-year parts warranty and a 12-year compressor warranty. With the assurance of lasting quality, AireForce is the smart choice for those who want their unit to endure a lifetime.
-  **Multi-Positional (Upflow/Horizontal /Downflow)**

Air Handlers are designed for versatile installation with a multi-positional configuration, allowing for upflow, downflow, horizontal left, or horizontal right setups. This flexibility makes them ideal for various home layouts while ensuring efficient, reliable airflow. Built for lasting performance, AireForce Air Handlers deliver consistent comfort with energy-saving operation.
-  **115V - 230V Switch**

Air Handlers feature an innovative 115V-230V voltage switch capability, providing ultimate flexibility for various electrical setups. This smart design allows the unit to adapt seamlessly between power sources, making it especially convenient when replacing a furnace. With enhanced compatibility and efficient performance, AireForce Air Handlers simplify installation while delivering reliable, energy-saving comfort.
-  **Self Cleaning Technology**

High-Efficiency Condensers feature advanced self-cleaning technology for enhanced performance and durability. After each cooling or heating cycle, the fan blade briefly reverses to blow air back through the unit, effectively clearing debris from the coil fins. This innovative design helps maintain optimal airflow, improves efficiency, and reduces maintenance needs, ensuring long-lasting, reliable operation.
-  **Inverter Technology**

Air conditioning units equipped with an inverter variable-speed compressor consume significantly less energy and operate noticeably quieter than traditional systems. By smoothly adjusting output to match the exact cooling or heating demand, the inverter avoids the frequent on-off cycling that wastes energy and strains components. This optimization translates into lower monthly utility bills and substantial long-term savings for homeowners.
-  **Static Pressure**

AireForce Air Handlers are engineered to handle up to 1.2" of static pressure, ensuring consistent airflow and improved performance. This high static pressure capability allows the unit to better manage dirty filters and large filters, such as MERV 13, without compromising efficiency. As a result, AireForce Air Handlers deliver more reliable comfort throughout the entire home, maintaining optimal airflow and indoor air quality with ease.
-  **True Variable Speed**

Variable speed systems are the pinnacle of efficiency, adjusting output based on indoor and outdoor conditions to reach your desired temperature within half a degree. Operating between 25 percent and 100 percent capacity, these systems consume less power, making them the most cost-effective choice over time.





Quantum Standard Series
High Efficiency
Heat Pump
Up to 21 SEER2
1 to 5 Tons



Designed to elevate your home environment while keeping energy costs in check, AireForce's Standard High Efficiency Heat Pump Systems bring you the perfect blend of comfort and efficiency. Experience optimal heating and cooling with our meticulously crafted systems, embracing the future of climate control for a more sustainable and cost-effective home.

Product Specs

System Type		Heat Pumps						
Outdoor Model		ACIQ-12-EHPD	ACIQ-18-EHPD	ACIQ-24-EHPD	ACIQ-30-EHPD	ACIQ-36-EHPD	ACIQ-48-EHPD	ACIQ-60-EHPD
Indoor Model		ACIQ-12-AHD	ACIQ-18-AHD	ACIQ-24-AHD	ACIQ-30-AHD	ACIQ-36-AHD	ACIQ-48-AHD	ACIQ-60-AHD
System Performance								
Cooling Capacity	Btu/h	12000 (5350-20000)	18000 (5350-20000)	24000 (7200-27000)	30000 (10400-34000)	36000 (8300-38900)	48000 (16600-49900)	54000 (21000-55000)
Heating Capacity	Btu/h	13000 (5600-19000)	18000 (5600-19000)	26000 (7100-30000)	31000 (6400-32000)	36000 (6700-41300)	48000 (15300-49500)	54000 (26000-55000)
SEER2 / EER2	Btu/h/W	21 / 12.5	18.8 / 11	18.1 / 11	17 / 10.7	16.1 / 10	16 / 10	15.2 / 8.6
HSPF2-4 / HSPF2-5 / COP (W/W)	Btu/h/W	10 / 7 / 3.87	9.1 / 7 / 3.15	9.7 / 7.7 / 3.18	8.5 / 6.6 / 3.5	8.7 / 7 / 3.4	8.5 / 7.2 / 3.45	8.4 / 6.8 / 3.37
Cooling Temperature Range	°F	-13 ~ 122						
Heating Temperature Range	°F	-13 ~ 75						
Outdoor Unit		ACIQ-12-EHPD	ACIQ-18-EHPD	ACIQ-24-EHPD	ACIQ-30-EHPD	ACIQ-36-EHPD	ACIQ-48-EHPD	ACIQ-60-EHPD
Power Supply	V, Ph, Hz	208/230V, 1Ph, 60Hz						
Outdoor Noise Level (Hi)	dB(A)	55		60		63		65
External Dimensions (WxDxH)	in	31.69 x 12.99 x 21.81		35.04 x 13.46 x 26.50		37.24 x 16.14 x 31.89		38.58 x 16.34 x 38.39
Net Weight / Gross Weight	lbs	77.16 / 83.77		102.29 / 109.13		153.22 / 163.58		192.90 / 224.21
Refrigerant Piping								
Line Set Size (Liquid - Gas) Flared Connections	in	3/8" - 3/4"						
Refrigerant Charge - R454B	oz	51.15		74.08		116.40		134.04
Additional Charge	oz/ft	0.7						
Max. Pipe Length	ft	98.4		164		246		
Max. Pipe Elevation	ft	65.6		82		98.4		
LIMITED WARRANTY		12-year compressor & 7-year parts - with online register						



Quantum Extreme Series High Efficiency Heat Pump Up to 19 SEER2 1½ to 5 Tons



The AireForce Extreme Series Heat Pumps are built to perform in the most extreme climates, providing reliable heating down to -22°F and cooling up to 122°F. Featuring the latest HVAC technology, these heat pumps deliver exceptional efficiency, ensuring consistent comfort year-round, even in harsh conditions. Engineered for durability and performance, the Extreme Series offers energy-saving solutions without compromising on comfort, making it the perfect choice for homes in extreme weather zones.

Product Specs

System Type		Condensers						
Outdoor Unit Model		ACIQ-18-HPD	ACIQ-24-HPD	ACIQ-30-HPD	ACIQ-36-HPD	ACIQ-42-HPD	ACIQ-48-HPD	ACIQ-60-HPD
Indoor Unit Model		ACIQ-18-AHD	ACIQ-24-AHD	ACIQ-30-AHD	ACIQ-36-AHD	ACIQ-42-AHD	ACIQ-48-AHD	ACIQ-60-AHD
System Performance								
Cooling Capacity	Btu/h	18000 (5600-22000)	23000 (7200-27000)	30000 (12800-39000)	36000 (9700-42000)	42000 (15600-51000)	48000 (15600-51000)	54000 (11400-56300)
Heating Capacity	Btu/h	19000 (6000-22000)	24000 (7100-30000)	34000 (10300-38500)	37000 (11000-48000)	50000 (15500-57300)	50000 (15500-57300)	56000 (8100-64500)
SEER2 / EER2	Btu/h/W	19 / 12.5	18.3 / 11.7	16.8 / 11.7	17.4 / 11.7	16.7 / 11.7	16.5 / 10.5	16 / 10
HSPF2-4 / HSPF2-5 / COP (W/W)	Btu/h/W	9.7 / 8 / 3.2	10 / 8 / 3.33	10 / 8.3 / 3.65	10.2 / 8.6 / 3.6	9.5 / 8 / 3.4	9.5 / 8 / 3.4	9 / 8 / 3.1
Energy Star		YES	YES	YES	YES	NO	NO	NO
Cooling Temperature Range	°F	-22 ~ 122						
Heating Temperature Range	°F	-22 ~ 75						
Outdoor Unit		ACIQ-18-HPD	ACIQ-24-HPD	ACIQ-30-HPD	ACIQ-36-HPD	ACIQ-42-HPD	ACIQ-48-HPD	ACIQ-60-HPD
Power Supply	V, Ph, Hz	208/230V, 1Ph, 60Hz						
Outdoor Noise Level (Hi)	dB(A)	59	60	60.5	62.5		65	
External Dimensions (WxDxH)	in	35.04 x 13.46 x 26.50		37.24 x 16.14 x 31.89		38.58 x 16.34 x 38.39		37.48 x 16.34 x 52.48
Net Weight / Gross Weight	lbs	101.41 / 109.13	102.29 / 109.13	164.02 / 174.6	204.15 / 235.23	201.06 / 232.36		242.95 / 275.13
Refrigerant Piping								
Line Set Size (Liquid / Gas) Flared Connections	in	3/8" - 3/4"						
Refrigerant Charge - R454B	oz	74.08		105.82	126.99	134.04		183.42
Additional Charge	oz/ft	0.7						
Max. Pipe Length	ft	98.4		164		246		
Max. Pipe Elevation	ft	65.6		82		98.4		
LIMITED WARRANTY		12-year compressor & 7-year parts - with online register						



Quantum Extreme+ Series High Efficiency

Heat Pump

Up to 19 SEER2
1½ to 5 Tons



The AireForce Extreme+ Series Heat Pumps offer the same great benefits as the Extreme Series, with enhanced efficiency. Capable of heating down to -22°F and cooling up to 122°F, the Extreme+ Series ensures reliable comfort in extreme conditions while maximizing energy savings. For the ultimate performance, pair the Extreme Series Heat Pump with the Extreme+ Air Handler, delivering superior comfort, efficiency, and long-term savings in even the harshest climates.

Product Specs

System Type		Condensers					
Outdoor Unit Model		ACIQ-18-HPD	ACIQ-24-HPD	ACIQ-30-HPD	ACIQ-36-HPD	ACIQ-48-HPD	ACIQ-60-HPD
Indoor Unit Model		ACIQ-18-PAH	ACIQ-24-PAH	ACIQ-30-PAH	ACIQ-36-PAH	ACIQ-48-PAH	ACIQ-60-PAH
System Performance							
Cooling Capacity	Btu/h	18000 (4600-23100)	24000 (6400-28700)	30000 (11200-40000)	36000 (12100-43000)	48000 (18000-52000)	54000 (11400-60000)
Heating Capacity	Btu/h	18000 (5700-23100)	24000 (6700-29100)	33000 (9700-35800)	37000 (11400-47000)	48000 (13500-52000)	55000 (8600-60000)
SEER2 / EER2	Btu/h/W	19 / 12.5	18.6 / 12	17.2 / 12	18 / 12	17.5 / 12	
HSPF2-4 / HSPF2-5 / COP (W/W)	Btu/h/W	10.1 / 8.5 / 3.6	10 / 8.1 / 3.49	10.8 / 8.8 / 3.54	10 / 8.2 / 3.5	9.5 / 7.7 / 3.28	9.5 / 7.7 / 3.35
Energy Star		YES	YES	YES	YES	YES	YES
Cooling Temperature Range	°F	-22 ~ 122					
Heating Temperature Range	°F	-22 ~ 75					
Outdoor Unit		ACIQ-18-HPD	ACIQ-24-HPD	ACIQ-30-HPD	ACIQ-36-HPD	ACIQ-48-HPD	ACIQ-60-HPD
Power Supply	V, Ph, Hz	208/230V, 1Ph, 60Hz					
Outdoor Noise Level (Hi)	dB(A)	56.5	59	62	63	65	64.5
External Dimensions (WxDxH)	in	35.04 x 13.46 x 26.50		37.24 x 16.14 x 31.89	38.58 x 16.34 x 38.39		37.48 x 16.34 x 52.48
Net Weight / Gross Weight	lbs	101.41 / 109.13	102.29 / 109.13	166.67 / 176.37	204.15 / 235.23	232.59 / 201.50	242.95 / 275.13
Refrigerant Piping							
Line Set Size (Liquid / Gas) Flared Connections	in	3/8" - 3/4"					
Refrigerant Charge - R454B	oz	74.08		105.82	126.99	134.04	183.42
Additional Charge	oz/ft	0.7					
Max. Pipe Length	ft	164				246	
Max. Pipe Elevation	ft	82				98.4	
LIMITED WARRANTY		12-year compressor & 7-year parts - with online register					



Quantum Series
High Efficiency

Heat Pump

Indoor Options



Indoor Options



Air Handlers

AireForce Central Air Handlers offer both whole-home comfort and multiple performance options to meet your specific needs. Available in standard and Extreme+ models, these air handlers provide flexible solutions for various applications. Whether you're seeking reliable, everyday performance or enhanced efficiency for extreme conditions, AireForce's central air handlers ensure optimal comfort, performance, and energy savings throughout your home.



Coils

Ideal for homes with a furnace or another blower, AireForce Evaporator Coils seamlessly pair with high-efficiency condensers to create an ultra-efficient AC and furnace system or a hybrid dual-fuel system. This combination delivers superior comfort and energy savings, offering the ultimate in performance and efficiency for year-round climate control.



Multi-Tenant

AireForce Multi-Tenant Air Handlers are the perfect solution for multi-unit settings, pairing seamlessly with high-efficiency condensers to deliver reliable, energy-saving comfort. Ideal for commercial or multi-residential applications, they ensure efficient climate control across multiple spaces, providing optimal performance and cost-effective operation.

