

BLU+ ECO SERIES
INVERTER
SINGLE ZONE

NG
TRADE



 **R-454B**
REFRIGERANT

Everyday Comfort. Professional Performance.



The BLU+ Eco Series delivers reliable year round comfort with high efficiency performance of up to 21.5 SEER2, helping homeowners reduce energy costs while maintaining consistent indoor temperatures.

Powered by advanced inverter technology and a durable compressor, the system automatically adjusts output to match your home's needs, providing smoother operation and quieter performance.

Designed for dependable everyday use, the BLU+ Eco Series offers efficient heating and cooling while using environmentally friendly R454B refrigerant, making it a smart choice for families who want comfort, savings, and sustainability in one system.

- Available in 9K-36K
- Up to 21.6 SEER2
- Heating Operation 5 to 75°F Outdoor Ambient
- Cooling Operation 5 to 122°F Outdoor Ambient
- R454B Refrigerant
- Remote Controller (Included)
- Wi-Fi (Included)
- Wired Controller (Optional)
- Smart Home App (Control with your Phone)
- Compatible with Google and Alexa

Keep It Cool, Keep It Warm, Keep It Right.

www.ngtrade.us

SYSTEM RATINGS		9K (115V)	12K (115V)	9K	12K	18K	24K	30K	36K	
SEER2	Btu/h/W	21.5	21.3	21.6	21.3	20.2	18.5	22.3	19.5	
EER2	Btu/h/W	12.5	10	12.6	10.8	11.5	9.6	12	9.3	
HSPF2-4 / HSPF2-5	Btu/h/W	9 / 7	8.7 / 6.7	9.4 / 7.2	9.2 / 7	9.1 / 7.0	9 / 7.1	9 / 7	9.1 / 7	
COP	W/W	3.15	3.15	3.27	3.34	3.06	3.22	3.03	2.95	
Energy Star®	-	Yes	No	Yes	No	No	Yes	Yes	No	
Rated Cooling Capacity @ 95°F	Btu/h	9,000	12,000	9,000	12,000	18,000	24,000	30,000	36,000	
Cooling Capacity Range	Btu/h	2,900 - 10,500	3,800 - 12,600	2,900 - 10,500	2,700 - 13,800	2,600 - 18,600	6,200 - 24,700	6,800 - 33,900	6,600 - 36,800	
Cooling Input	Watts	720	1,188	714	1,111	1,565	2,474	2,500	3,830	
Cooling Current	Amps	7.6	12.3	4.8	4.9	7	11.1	11	17	
Rated Heating Capacity @ 47°F	Btu/h	10,000	12,000	10,000	12,000	18,800	24,000	30,000	36,000	
Rated Heating Capacity @ 17°F	Btu/h	6,600	7,800	6,600	8,300	11,700	17,200	20,000	25,600	
Heating Capacity Range	Btu/h	2,400 - 11,200	2,730 - 12,500	2,400 - 11,200	4,200 - 14,100	6,100 - 19,200	6,300 - 27,000	12,300 - 32,100	11,400 - 44,000	
Heating Input	Watts	930	1,116	896	1,053	1,790	2,184	2,900	3,580	
Heating Current	Amps	9.4	11.4	4	4.7	8	9.9	12.6	16	
INDOOR UNIT		IBMHO90B	IBM120B	IBMHO91B	IBM121B	IBM181B	IBM241B	IBM301B	IBM361B	
Power Supply	Volts,Hz,Ph	115V,60Hz,1Ph	115V,60Hz,1Ph	208/230V,60Hz,1Ph (Indoor Unit is powered by Outdoor Unit with the use of a 14/4 Stranded Copper THHN 600V Interconnecting Cable)						
Min. Circuit Amps (MCA)	Amps	3	3	3	3	3	3	3	3	
Max. Overcurrent Protection (MOCP)	Amps	15	15	15	15	15	15	15	15	
Fan Motor RLA	Amps	0.3	0.6	0.3	0.4	0.5	0.6	0.7	1	
Fan Motor Output	Watts	20	20	20	30	30	58	58	58	
Airflow (Turbo/Hi/Mi/Lo/ Si)	CFM	312/235/171/135/106	353/294/235/177/130	306/247/177/141/141	347/294/194/153/153	471/400/330/271/271	730/547/400/330/330	871/648/447/330/330	871/677/447/330/330	
Sound Level (Turbo/Hi/Mi/Lo/ Si)	dB(A)	44/37/33/23/19	45/41/37/28/19	43/39/33/24/20	46/41/35/24/19	49/45/38/23/19	54/46/41/28/22	57/52/45/36/22	57/51/45/34/28	
Coil Type / Coating	-	Copper Coil/Aluminum Fins / Golden Fin Coating (500Hr Salt Spray Rating)								
Dehumidification	L/h	1	1.3	0.9	1.4	2.5	3	3.6	5.1	
Condensate Drain Connection	inch	5/8" O.D.								
Refrigerant Lines (Liquid / Gas)	inch	1/4" / 3/8" Flared	1/4" / 3/8" Flared	1/4" / 3/8" Flared	1/4" / 3/8" Flared	1/4" / 1/2" Flared	3/8" / 5/8" Flared	3/8" / 5/8" Flared	3/8" / 5/8" Flared	
Control Wiring	AWG	14/4 Stranded Copper THHN 600V (Interconnecting Cable between Indoor and Outdoor Unit)								
Operating Temp. (Cooling / Heating)	°F	60 to 90°F / 32 to 86°F								
OUTDOOR UNIT		OBMH090B	OBMH120B	OBMH091B	OBMH121B	OBMH181B	OBMH241B	OBMH301B	OBMH361B	
Power Supply	Volts,Hz,Ph	115V,60Hz,1Ph	115V,60Hz,1Ph	208/230V,60Hz,1Ph (Indoor Unit is powered by Outdoor Unit with the use of a 14/4 Stranded Copper THHN 600V Interconnecting Cable)						
Min. Circuit Amps (MCA)	Amps	18	19	12	13	15	19	28	33	
Max. Overcurrent Protection (MOCP)	Amps	20	20	15	15	20	20	30	35	
Fan Motor RLA	Amps	0.5	0.6	0.3	0.4	0.4	0.8	1.3	1.3	
Fan Motor Output	Watts	34	34	34	34	34	80	120	120	
Compressor RLA	Amps	13.5	14	7	7.5	10	13.8	17.5	21.5	
Sound Level	dB(A)	53	52.5	53.5	53	58	62	61.5	63	
Coil Type / Coating	-	Copper Coil/Aluminum Fins / Golden Fin Coating (500Hr Salt Spray Rating)								
Refrigerant Type	-	R454B								
Factory Charge	oz	21.52	24.34	21.52	24.69	40.57	53.62	84.66	112.88	
Pre-charge Pipe Length	ft	24.6								
Additional Refrigerant Charge	oz/ft	0.16	0.16	0.16	0.16	0.16	0.32	0.32	0.32	
Piping Length (Min. / Max.)	ft	10 / 82	10 / 82	10 / 82	10 / 82	10 / 98.40	10 / 164	10 / 164	10 / 213.2	
Piping Height Difference (Max.)	ft	49.2	49.2	49.2	49.2	65.6	82	82	98.4	
Refrigerant Lines (Liquid / Gas)	inch	1/4" / 3/8" Flared	1/4" / 3/8" Flared	1/4" / 3/8" Flared	1/4" / 3/8" Flared	1/4" / 1/2" Flared	3/8" / 5/8" Flared	3/8" / 5/8" Flared	3/8" / 5/8" Flared	
Operating Temp. (Cooling / Heating)	°F	5 to 122°F / 5 to 75°F						-13 to 122°F / -13 to 75°F		

BLU+ ECO SERIES INVERTER

SINGLE ZONE

 HIGHEST COOLING CAPABILITY

 OPTIMIZED ENERGY EFFICIENCY

 LOW NOISE LEVEL



CONFORMS TO
UL STD. 1995
CERTIFIED TO
CSA STD. C22.2
NO. 236



SEER²