



BLUE STAR



Refrigeration Systems Hermetic Series

It's not just preservation.
It's the ultimate in preservation.

Blue Star, India's leading refrigeration company, offers a complete range of evaporating and condensing units. These units are designed to deliver superior cooling for food preservation and are equipped to deliver temperatures for various applications.

The balanced selection of the evaporator and condensing units assures delivery of capacity. The matching controllers with refrigeration units support each installation and enable the controlling and monitoring of temperature. Each Blue Star installation comes with a weather-proof power panel that allows for easy, speedy, safe and long-lasting power connection. So when it comes to cold storage, trust in the experts for reliable, efficient and trouble-free refrigeration.





Evaporating Units

Blue Star's evaporators are compact and sleek. The evaporator is housed within the cold storage and occupies minimum space. This allows you to utilise the maximum volume of cold storage.

Features:



Stainless steel body (SS304) for enhanced durability and strength



Improved air throw for uniform air distribution



Excellent corrosion resistance



External rotor driven fans have low noise levels and conform to IP45 standards



Inner grooved copper tubes for superior heat transfer



Removable side panels for easy service and minimum downtime



4 FPI coil to enable air-defrosting



Defrost heaters within the coil to ensure total defrost



Drain on same side of refrigeration to avoid making multiple openings in the PUF panels



Condensing Units

Blue Star's condensing units are characterised by high-efficiency heat transfer and low power consumption.



Features:



Energy-efficient scroll and reciprocating compressors



Pre-charged unit with service valves



Powder coated body makes these units UV and corrosion-resistant



Safety and control devices for better system protection



Inner grooved copper tubes and slit aluminium fins for superior heat transfer



Weather-proof polyester powder coated canopy



Filter drier for moisture and dirt protection



Thermally protected and permanently lubricated fan motors



Smaller footprint for ease of handling and installation



Controller



Blue Star's controller is a two compressor controller with separate set points and differentials for each compressor.

Features:

- Specifically designed for refrigeration applications
- Controls compressor cut off and temperature
- HACCP provision (available in model 52H)
- BMS compatibility (available in model 52H)

Power Panel

Blue Star's Refrigeration Units come with ready-to-use power panels that make electrical connections simple, fast and long-lasting.

Features:

- Embedded switchgear in the Positive Temperature Condensing Unit
- Power Panel with necessary accessories and defrost controls is available for Negative Temperature Units



Technical Specifications

High Temperature Air Cooled Refrigeration System with R404A Refrigerant

BLUE STAR EVAPORATOR	HIGH TEMPERATURE EVAPORATOR								
	COOLING CAPACITY @+4°C Room Temperature & +35°C Ambient Temperature								
	MODEL	NOMINAL CAPACITY (BTUH)	POWER SUPPLY (V/Ph/Hz)	AIR FLOW (CFM)	AIR THROW (FEET)	NOS. OF CIRCUITS (NOS)	OVERALL DIMENSION		
LENGTH (MM)							DEPTH (MM)	HEIGHT (MM)	
RUAH00614KP-I RUAH00614KP-I-H	6000	220V~240V/1/50Hz	800	12	1	864	480	450	18
RUAH01014KP-I RUAH01014KP-I-H	10000	220V~240V/1/50Hz	1600	14	1	1245	480	450	25
RUAH01514KP-I RUAH01514KP-I-H	15000	220V~240V/1/50Hz	2400	16	1	1780	480	450	35
RUAH02014KP-I RUAH02014KP-I-H	20000	220V~240V/1/50Hz	3200	16	1	2210	480	450	45
RUAH03014CS-I-N RUAH03014CS-I-N-H	30000	220V~240V/1/50Hz	4580	25	1	1710	645	720	75
RUAH04014CS-I-N RUAH04014CS-I-N-H	40000	220V~240V/1/50Hz	5230	40	1	1710	645	720	85
RUAH06024CS-I-N RUAH06024CS-I-N-H	60000	380V~415V/3/50Hz	12000	45	2	2140	840	925	140
RUAH08024CS-I-N RUAH08024CS-I-N-H	80000	380V~415V/3/50Hz	11700	45	2	2140	840	925	150
RUAH06014CS-I-N RUAH06024CS-I-N-H	60000	380V~415V/3/50Hz	12000	45	1	2140	840	925	140
RUAH08014CS-I-N RUAH08024CS-I-N-H	80000	380V~415V/3/50Hz	11700	45	1	2140	840	925	150

*Evaporator Package Includes Standard Blue Star Positive Controller BSL52 or BSL 52H Model

BLUE STAR CONDENSING UNITS	HIGH TEMPERATURE CONDENSING UNITS									
	COOLING CAPACITY @+4°C Room Temperature & +35°C Ambient Temperature									
	MODEL	NOMINAL CAPACITY (BTUH)	COMPRESSOR TYPE	POWER SUPPLY (V/Ph/Hz)	COMPRESSOR QUANTITY	NOS. OF CHASSIS	EACH CHASSIS OVERALL DIMENSION			EACH CHASSIS NET WEIGHT (KG)
LENGTH (MM)							DEPTH (MM)	HEIGHT (MM)		
RUAHOP0614	6000	Hermetic Piston	220V~240V/1/50Hz	1	1	910	370	560	51	1.2
RUAHOP1014	10000	Hermetic Piston	220V~240V/1/50Hz	1	1	910	370	560	61	1.6
RUAHOP1514	15000	Hermetic Piston	220V~240V/1/50Hz	1	1	910	370	560	80	2
RUAHOS2014	20000	Hermetic Scroll	380V~415V/3/50Hz	1	1	1100	464	660	110	2.5
RUAHOS3014	30000	Hermetic Scroll	380V~415V/3/50Hz	1	1	1100	464	1260	125	3.5
RUAHOS4014	40000	Hermetic Scroll	380V~415V/3/50Hz	1	1	1100	464	1260	132	4
RUAHOS6024	60000	Hermetic Scroll	380V~415V/3/50Hz	1 in each Chassis	2	1100	464	1260	125*2	3.5*2
RUAHOS8024	80000	Hermetic Scroll	380V~415V/3/50Hz	1 in each Chassis	2	1100	464	1260	132*2	4*2
RUAHOS6024	60000	Hermetic Scroll	380V~415V/3/50Hz	1	1	1435	635	947	185	8
RUAHOS8024	80000	Hermetic Scroll	380V~415V/3/50Hz	1	1	1435	635	947	190	9

Medium Temperature Air Cooled Refrigeration System with R404A Refrigerant

BLUE STAR EVAPORATOR	MEDIUM TEMPERATURE EVAPORATOR								
	COOLING CAPACITY @-5°C Room Temperature & +35°C Ambient Temperature								
MODEL	NOMINAL CAPACITY (BTUH)	POWER SUPPLY (V/Ph/Hz)	AIR FLOW (CFM)	AIR THROW (FEET)	NOS. OF CIRCUITS (NOS)	OVERALL DIMENSION			NET WEIGHT (KG)
						LENGTH (MM)	DEPTH (MM)	HEIGHT (MM)	
RUAM01214-I-N	12000	380V~415V/3/50Hz	1600	14	1	1250	480	440	37
RUAM01514-I-N	15000	380V~415V/3/50Hz	2400	16	1	1780	480	440	45
RUAM02014-I-N	20000	380V~415V/3/50Hz	3200	16	1	2210	480	440	58
RUAM03514-I-N	35000	380V~415V/3/50Hz	5500	40	1	1710	645	720	89
RUAM06514-I-N	65000	380V~415V/3/50Hz	11700	45	1	2142	840	925	135

BLUE STAR CONDENSING UNITS	MEDIUM TEMPERATURE CONDENSING UNITS								
	COOLING CAPACITY @-5 Deg C Room Temperature & +35°C Ambient Temperature								
MODEL	NOMINAL CAPACITY (BTUH)	COMPRESSOR TYPE	POWER SUPPLY (V/Ph/Hz)	COMPRESSOR QUANTITY	OVERALL DIMENSION			NET WEIGHT (KG)	REFRIGERANT CHARGED R404A (KG)
					LENGTH (MM)	DEPTH (MM)	HEIGHT (MM)		
RUAM01214-O	12000	Hermetic Piston	220V~240V/1/0Hz5	1	1100	464	660	83	2.5
RUAM01514-O	15000	Hermetic Scroll	380V~415V/3/0Hz5	1	1100	464	660	86	2.5
RUAM02014-O	20000	Hermetic Scroll	380V~415V/3/50Hz	1	1100	464	1260	115	3.5
RUAM03514-O	35000	Hermetic Scroll	380V~415V/3/50Hz	1	1100	464	1260	130	4

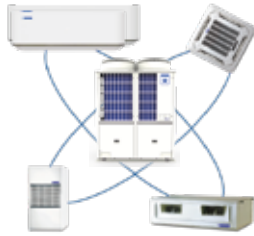
Low Temperature Air Cooled Refrigeration System with R404A Refrigerant

BLUE STAR EVAPORATOR	LOW TEMPERATURE EVAPORATOR								
	COOLING CAPACITY @-23°C Room Temperature & +35°C Ambient Temperature								
	MODEL	NOMINAL CAPACITY (BTUH)	POWER SUPPLY (V/Ph/Hz)	AIR FLOW (CFM)	AIR THROW (FEET)	NOS. OF CIRCUITS (NOS)	OVERALL DIMENSION		HEIGHT (MM)
LENGTH (MM)							DEPTH (MM)		
RUAL00614-I-N	6000	380V~415V/3/50Hz	1600	14	1	1250	480	440	37
RUAL00914-I-N	9000	380V~415V/3/50Hz	2400	16	1	1780	480	440	45
RUAL01214-I-N	12000	380V~415V/3/50Hz	3200	16	1	2210	480	440	58
RUAL01814-I-N1	18000	380V~415V/3/50Hz	5500	40	1	1710	645	720	89
RUAL02414-I-N	24000	380V~415V/3/50Hz	11700	45	1	2142	840	925	135

BLUE STAR CONDENSING UNITS	LOW TEMPERATURE CONDENSING UNITS UNITS								
	COOLING CAPACITY @-23°C Room Temperature & +35°C Ambient Temperature								
	MODEL	NOMINAL CAPACITY (BTUH)	COMPRESSOR TYPE	CONDENSOR TYPE	POWER SUPPLY (V/Ph/Hz)	OVERALL DIMENSION			NET WEIGHT (KG)
LENGTH (MM)						DEPTH (MM)	HEIGHT (MM)		
RUAL00614S-O-N1	6000	Hermetic Scroll	FTHX	380V~415V/3/50Hz	1125	450	735	99	2.5
RUAL00914S-O-N1	9000	Hermetic Scroll	FTHX	380V~415V/3/50Hz	1125	450	735	109	3
RUAL01214S-O-N1	12000	Hermetic Scroll	FTHX	380V~415V/3/50Hz	1125	450	965	111	4
RUAL01814S-O-N1	18000	Hermetic Scroll	FTHX	380V~415V/3/50Hz	1125	450	965	127	5



Widest Range Of Products



VRF Systems



Packaged ACs & Ducted Splits



Condensing Units



Inverter scroll chillers



Process Chillers



Tank Chillers



Air cooled & Water cooled
VFD Screw Chillers



Air-Cooled Configured Screw
Chiller - High Efficiency Series



Air Cooled and
Water Cooled Scroll Chiller



Water-Cooled Screw Chillers
Configured Series



Turbocor Chillers



Water Cooled Falling Film
Screw Chillers

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