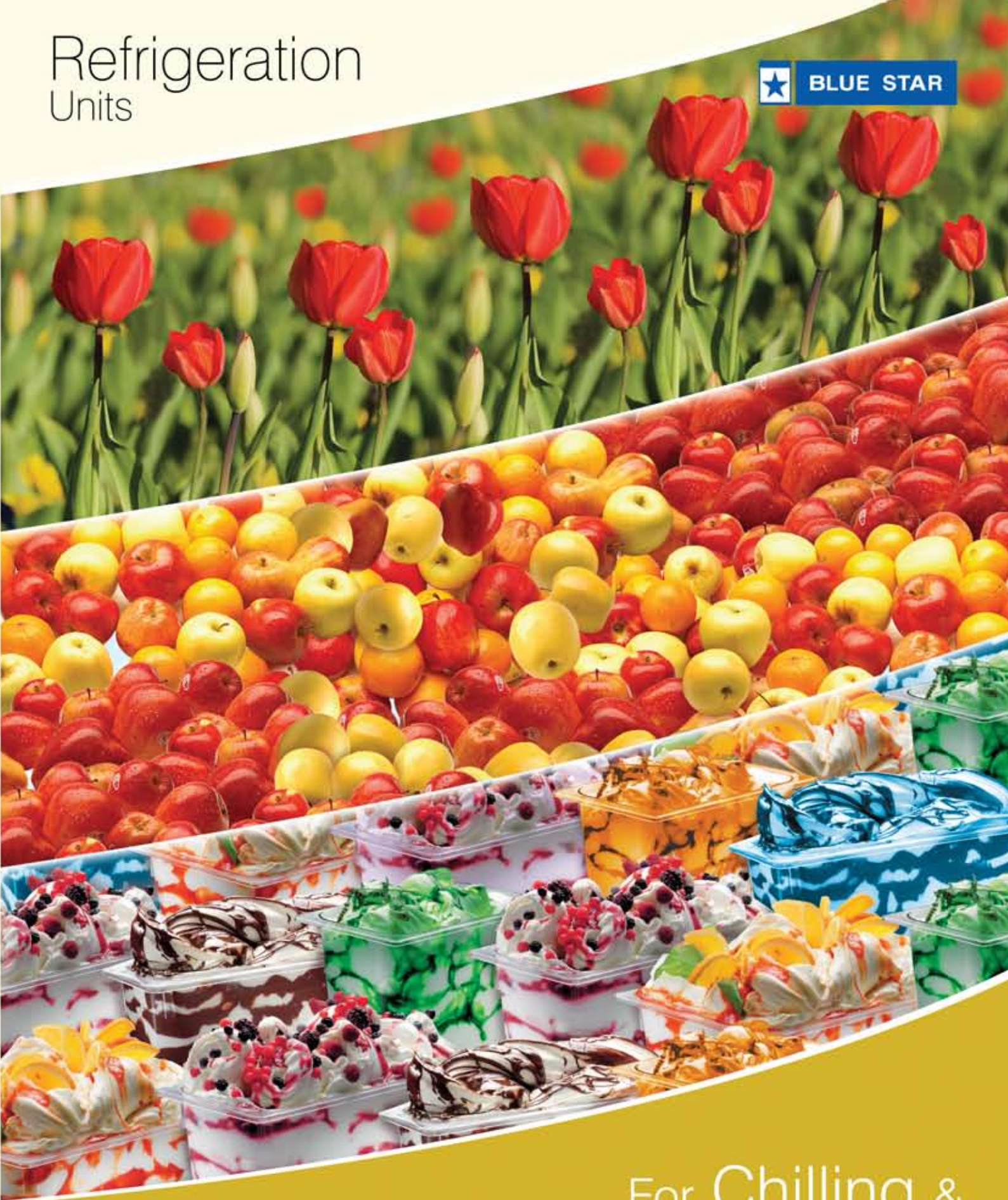


# Refrigeration Units



BLUE STAR



For Chilling &  
Freezing applications.

Blue Star, India's most preferred cooling solutions company, offers you a wide range of evaporating and condensing units. So whatever your application, you need look no further than Blue Star.

Microprocessor-based intelligent controllers support each installation to ensure better control, user-friendly operation and fault- and alarm-monitoring facilities.

Each Blue Star installation comes with a weather-proof power panel that allows for easy, safe, speedy and long-lasting power connection.

So if you're looking at reliable, efficient and trouble-free refrigeration units for your cold storages, come to the experts. Come to Blue Star.

## Evaporating Units

Since the Evaporator is housed within the Cold Storage, it is important that the unit is slim in size and occupies minimum space, allowing you to utilise the maximum volume of cold storage.

Blue Star's Evaporators are therefore compact, slim and sleek.

### Other features:

- Stainless steel / Powder-coated body
- Excellent corrosion resistance
- Inner grooved copper tubes for superior heat transfer
- External rotor driven fans have low noise levels and conform to IP45 standards
- Removable side panels for easy service and minimum downtime



## Condensing Units

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

### Other features:

- Sleek design
- Powder-coated body makes these units UV- and corrosion-resistant
- Inner grooved copper tubes and slit aluminium fins for superior heat transfer
- Pre-charged unit with service valves
- Filter drier for moisture and dirt protection
- Permanently lubricated and thermally protected fan motors
- Energy-efficient compressors
- Safety and control devices protect system
- Weather-proof polyester powder-coated canopy



## Power Panel

Blue Star's experience shows that reliable power connections and systems go a long way in ensuring long life and reliability of the overall Cold Room and refrigeration system.

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

### Features:

- Powder-coated weather proof panel housing
- Specially fitted SPPR, for scroll compressor systems, protects against reverse polarity, single phasing and phase unbalance
- In-built interlock of all safety features such as LP, HP, Anti-freeze, Over-current, etc.

**High Temperature Air-cooled Refrigeration System with R 22 Gas**

Blue Star Indoor Unit		Cooling Cap. @ 5 °C Room & 35°C Amb.								
Description/Model	Units	RUAHI-0612	RUAHI-1012	RUAHI-1512	RUAHI-2012	RUAHI-3012	RUAHI-4012	RUAHI-6022	RUAHI-8022	RUAHI-8012
Nominal Capacity	Btu/hr	6000	10000	15000	20000	30000	40000	60000	80000	80000
Power Supply	V/Ph/Hz	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	415/3/50	415/3/50	415/3/50
Dimensions (L/D/H)	mm	867/375/450	1245/375/450	1780/375/450	2210/375/450	2085/660/670	2085/660/670	3026/866/760	3026/866/760	3026/866/760
Weight	kg	18	25	35	45	160	160	215	220	220
Air flow	cfm	800	1600	2400	3200	3700	5500	12000	12000	12000
Air throw	feet	12	12	12	12	18	25	40	40	40

Blue Star Outdoor Unit		Cooling Cap. @ 5 °C Room & 35°C Amb.								
Description/Model	Units	RUAHOP-0612	RUAHOP-1012	RUAHOP-1512	RUAHOP-2012	RUAHOS-3012	RUAHOS-4012	RUAHOS-6022	RUAHOS-8022	RUAHOS-8012
Dimensions (L/D/H)	mm	850/335/540	850/335/540	850/335/540	1020/420/660	1020/420/1270	1020/420/1270	1020/420/1270	1020/420/1270	1453.50/632/947
Weight	kg	51	61	80	110	125	125	125 x 2	125 x 2	220
Compressor Type		Recip	Recip	Recip	Recip	Scroll	Scroll	Scroll	Scroll	Scroll
Quantity	no.	1	1	1	1	1	1	1 in each chassis	1 in each chassis	1
Power supply	V/Ph/Hz	230 / 1 / 50	230 / 1 / 50	230 / 1 / 50	415/3/50	415/3/50	415/3/50	415/3/50	415/3/50	415/3/50
Refrigerant precharged qty	kg	1.2	1.4	2	2.5	3.5	4	3.5x2	4x2	Charged Nitrogen

**High Temperature Air-cooled Refrigeration System with R 404 A Gas and Scroll Compressor**

Blue Star Indoor Unit		Cooling Cap. @ 5 °C Room & 35°C Amb.						
Description/Model	Units	RUAHI-1014	RUAHI-1514	RUAHI-2014	RUAHI-3014	RUAHI-4014	RUAHI-6024	RUAHI-8024
Nominal Capacity	Btu/hr	10000	15000	20000	30000	40000	60000	80000
Power Supply	V/Ph/Hz	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	415/3/50	415/3/50
Dimensions (L/D/H)	mm	1245/375/450	1780/375/450	2210/375/450	2085/660/670	2085/660/670	3026/866/760	3026/866/760
Weight	kg	25	35	45	160	160	215	220
Air flow	cfm	1600	2400	3200	3700	5500	12000	12000
Air throw	feet	12	12	12	18	25	40	40

Emerson Outdoor Unit		Cooling Cap. @ 5 °C Room & 35°C Amb.						
Description/Model	Units	ZX020E-TFD300	ZX020E-TFD300	ZX030E-TFD300	ZX040E-TFD300	ZX050E-TFD300	ZX040E-TFD300x2	ZX050E-TFD300x2
Dimensions (L/D/H)	mm				1029/424/1242			
Weight	kg	95	95	100	107	118	107 x 2	118 x 2
Power Supply	V/Ph/Hz				415/3/50			

**High Temperature Water-cooled Refrigeration System with R 22 Gas**

Blue Star Indoor Unit		Cooling Cap. @ 5 °C Room & 35°C Amb.				
Description/Model	Units	RUWHI-2012	RUWHI-3012	RUWHI-4012	RUWHI-6022	RUWHI-8022
Nominal Capacity	Btu/hr	20000	30000	40000	60000	80000
Power Supply	V/Ph/Hz	230/1/50	230/1/50	230/1/50	415/3/50	415/3/50
Dimensions (L/D/H)	mm	2210/375/450	2085/660/670	2085/660/670	3026/866/760	3026/866/760
Weight	kg	45	160	160	215	220
Air flow	cfm	3200	3700	5500	12000	12000
Air throw	feet	12	18	25	40	40

Blue Star Outdoor Unit		Cooling Cap. @ 5 °C Room & 35°C Amb.				
Description/Model	Units	RUWHOP-2012	RUWHOS-3012	RUWHOS-4012	RUWHOS-6022	RUWHOS-8022
Dimensions (L/D/H)	mm	983/713/546	983/713/546	983/713/546	1169/713/600	1169/713/600
Weight	kg	130	149	149	215	215
Quantity	no.	1	1	1	1	1
Power Supply	V/Ph/Hz				415/3/50	

**Low Temperature Air-cooled Refrigeration System with R 404A Gas and Scroll Compressor**

Blue Star Indoor Unit		Cooling Cap. @ -23°C Room & 35°C Amb.			
Description/Model	Units	RUALI-0614	RUALI-0914	RUALI-1214	RUALI-1814
Nominal Capacity	Btu/hr	6000	9000	12000	18000
Power Supply	V/Ph/Hz	230/1/50			
Dimensions (L/D/H)	mm	1245/375/450	1780/375/450	2210/375/450	2085/660/670
Weight/Unit	kg	25	35	45	160
Air flow	cfm	1600	2400	3200	5500
Air throw	feet	12	12	12	25

Emerson Outdoor Unit		Cooling Cap. @ -23°C Room & 35°C Amb.			
Description/Model	Units	ZXL020E	ZXL025E	ZXL035E	ZXL050E
Power Supply	V/Ph/Hz	415/3/50			
Dimensions (L/D/H)	mm	1029/424/840	1029/424/840	1029/424/840	1039/424/1242
Weight/Unit	kg	79	81	81	106

**Low Temperature Water-cooled Refrigeration System with R 404A Gas and Scroll Compressor**

Blue Star Indoor Unit		Cooling Cap. @ -23°C Room & 35°C Amb.			
Description/Model	Units	RUWLI-0614	RUWLI-0914	RUWLI-1214	RUWLI-1814
Nominal Capacity	Btu/hr	6000	9000	12000	18000
Power Supply	V/Ph/Hz	230/1/50			
Dimensions (L/D/H)	mm	1245/375/450	1780/375/450	2210/375/450	2085/660/670
Weight/Unit	kg	25	35	45	160
Air flow	cfm	1600	2400	3200	5500
Air throw	feet	12	12	12	25

Outdoor Unit		Cooling Cap. @ -23°C Room & 35°C Amb.			
Description/Model	Units	RUWLOS-0614	RUWLOS-0914	RUWLOS-1214	RUWLOS-1814
Power Supply	V/Ph/Hz	415/3/50			
Dimensions (L/D/H)	mm	600/250/550	780/350/700	890/350/700	620/400/750
Weight/Unit	kg	160	180	190	200

\* Specifications are subject to change due to continuous product development.



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