BLUE STAR

Packaged ACs & Ducted Splits

An unmatched range to meet diverse needs.

The Leaders in Packaged ACs

Whatever be your airconditioning requirement, your quest to find the right airconditioning ends here. Being India's leading airconditioning company and No. 1 in Packaged ACs, Blue Star offers an unmatched range in energy efficient airconditioning systems to suit your requirements perfectly, be it an office, a showroom, a restobar, an entertainment centre, or any other commercial space.

Having pioneered the introduction of Packaged ACs based on scroll compressor technology over a decade ago, Blue Star now offers its unmatched range in both air cooled and water cooled options. In addition, Blue Star offers you a choice of indoor unit configurations – floor mounted or ceiling suspended.

The floor mounted indoor unit configuration is ideal for catering to very large open spaces which necessarily need ducting over long distances. The ceiling suspended indoor unit configuration is ideal where floor space is not available.

Of course, Blue Star's Packaged ACs come in a wide range of capacities and models to choose from. An optimum selection of units offer you tangible benefits in terms of space saving, redundancy, flexibility, power saving, and even cost saving on related accessories such as transformers, switch-gears, generators, etc.

Product Line-up

Tonnage (TR)	3.0	5.5	8.5	8.75	11	16.5	17	22
Air Cooled Ducted Splits	●	●	●	●	●		●	●
Air Cooled Packaged ACs		●		●	●	●		●
Water Cooled Packaged ACs		●			●	●		

34 Models

Eco-friendly refrigerant comes optional with all models.

Features & Benefits

Blue Star's Packaged AC range comes packed with features that offer enormous benefits to commercial applications.

Top-of-the-Line Efficiency & Reliability

These scroll-based systems offer you major benefits of high efficiency, low power bills and increased reliability.

The Scroll Compressor Advantage

The highly energy efficient and extremely reliable scroll compressor powers these machines, offering you the vital advantages of quick and efficient cooling, lower power bills and minimal maintenance costs.

Power Savings

The entire AC system – the energy efficient scroll compressor, the precisely balanced refrigeration system, the optimally selected heat exchangers, etc. – are designed to consume minimum power, thus saving enormously on your power bills.

Exceeds ECBC Norms

All Blue Star Packaged Airconditioners meet ECBC norms with respect to energy efficiency. In fact, most of the models have EERs (Energy Efficiency Ratio) far in excess of the stipulated ECBC norms.

Part Load Operation

In multiple compressor models and in installations where multiple units operate in parallel, intelligent control ensures that only as many compressors run as are required to cater to the heat load at any point of time. This ensures efficiency of operation, longer compressor life and significant power savings.

Run Time Equalisation

In Packaged ACs with multiple compressors, microprocessor control ensures that each compressor runs for equal duration, thus distributing the load equally across compressors, ensuring longer compressor life.

Exceptional User Benefits

Refreshing Indoor Air Quality

Blue Star's Packaged ACs allow controlled fresh air intake and also ensure filtration down to 20 microns using high performance washable, synthetic, woven media filters. This results in creating a refreshing ambience inside the airconditioned space with very high indoor air quality.

Flexibility and Redundancy

Multiple unit installations allow for redundancy in the entire airconditioning system. When any unit is on standby for maintenance or repair, the other units continue to function and cool the premises. Similarly, multiple compressors in the larger units with independent refrigerant circuits add to the redundancy within each system.

'Zone-Wise' Cooling

Multiple unit installations also allow 'zoning' of the premises, whereby different zones can be cooled by individual units. This would enable zone-wise switching on and off of airconditioning.

Smart Microprocessor Control

The intelligent microprocessor control is loaded with the following features:

- Auto switch on or off of compressors in multi-compressor units to suit part load and save power
- Memory backup of settings through power failures
- Auto restart after power failure
- Runtime equalisation of the compressor
- Built-in time delay to protect compressors from instant start/restart
- Fault diagnostics to facilitate speedy correction

Designed for Speedy Project Completion

Packaged ACs from Blue Star are factory-assembled, factory-tested for leaks and ready-flanged for quicker connection to the ducts. This helps in speedy installation and project completion.

Designed for the Designer

Blue Star's unmatched range of Packaged ACs offer architects, interior designers and consultants the flexibility to design a space with minimal constraints.

Low-Height IDUs

Blue Star's Ducted Split IDUs are low-height and therefore need less space between the false ceiling and the roof. This allows the interior designer greater flexibility to design interiors with better ceiling height, as well as design a creative false ceiling.

Low-Noise Units

Better acoustic insulation and the use of state-of-the-art parts such as dynamically balanced blowers ensure quiet operation of the Blue Star Indoor Units, making it suitable for even noise-sensitive applications. This gives the designer more options to place the units to suit the interior plan.

Smaller Trapdoors

Blue Star's Ducted Split Indoor Units need amongst the smallest trapdoors required by such systems in the market. This makes the trapdoor a minimalistic feature in the total design plan.

Compact and Low-Noise ODUs

Blue Star's Outdoor Units are designed to be compact, thus occupying less space on the terrace, or on parapets. In addition, adequate attention has been given to their design to ensure a very low noise level.

A Technologically Advanced AC

The latest technology has been incorporated to ensure that Blue Star Packaged ACs are truly high-performance cooling machines.

Optimum Component Selection

Blue Star's world-class product design ensures a well synchronised, efficient system as a result of optimisation of key components, namely the compressor, expansion valve, blowers, motors and filter drier.

Anticorrosion Blue Fin Condenser

Blue fin condensers increase the corrosion resistance of the coils, thus enhancing the life of the system.

Built-in Safety Controls

To protect your investment from damage and costly repair, Blue Star systems come with built-in safety controls:

- HP/LP switch protects compressors against high or low pressures
- Power quality protector prevents compressor failure due to phase reversal, reverse polarity, phase imbalance, etc.
- In-built thermal/temperature protection

Sturdy Outdoor Units for Longer Life

The powder-coated galvanised steel housing of Blue Star's units as well as the thicker gauge of metal used ensure protection from rust and longer body life.

Fire Retardant Imported EPE Insulation

All IDUs are insulated with fire retardant imported EPE insulation to ensure both safety and efficiency of cooling.

Other Features

- Dynamically balanced Kruger fans add to the reliability of the higher capacity models
- Double inlet, double width forward curved centrifugal fan coupled with V belt driven by TEFC motor ensures high air flow
- IP-54 standard motors operate under all weather conditions

Advantage Blue Star

Experts in Airconditioning

Six and a half decades of experience has honed Blue Star's expertise in the field, and has made it the undisputed Expert in airconditioning today. In fact, Blue Star's pioneering streak shows in the fact that it is the first to introduce scroll compressor technology in Packaged ACs in India. Over time, Blue Star has built a redoubtable reputation for delivering world-class commercial airconditioning solutions. Little wonder that one in every two commercial spaces in India is airconditioned by Blue Star today.

State-of-the-art Production Line

Blue Star produces world-class products from its five world-class manufacturing facilities across the country. Hi-tech plants that are well equipped with every test, development and quality control system required to produce the best airconditioning systems in the country.

High Quality Execution

- Accurate heat load calculations before proposal to ensure precise tonnage calculation
- Well-designed air distribution systems to avoid 'hot' and 'cold' spots
- Computer-aided duct designing to ensure efficient and minimal ducting
- Precise tools and tackles used at every installation to ensure professional finish
- Well laid-out processes and procedures to ensure efficient time-bound installation

Superior Project Management Skills

Airconditioning of commercial spaces require meticulous planning and timely execution, since it involves coordination with architects, interior designers, consultants and allied agencies. Blue Star and its dealers offer you rich expertise which makes project execution smooth and hassle free.

After Sales Support

Blue Star believes in building close ties with the customer after perfect execution to ensure speedy backup, support and maintenance services. After sale service is therefore available on-call through Blue Star's offices in 17 cities across India, and through Blue Star's dealers and associates who cover almost every town and city in the country. Service technicians both in Blue Star and at the various dealerships undergo periodic training programmes conducted by experts from within and outside the country, to keep them up-to-date with the latest technologies and products.

Aircooled Ducted Split Airconditioners

Description	Units	DSA361R1	DSA661R1	DSA1021R1	DSA1052R1	DSA1322R1	DSA1321R1	DSA2042R1	DSA2642R1
Nominal Cooling	KCal/Hr	9000	16500	25500	26250	33000	33000	51000	66000
Capacity	Tr	3	5.5	8.5	8.75	11	11	17	22
Indoor Unit									
Dimensions	WxDxH mm	953 x 585 x 381	1220 x 650 x 450	1525 x 650 x 450	1525 x 650 x 450	1830 x 650 x 450	1830 x 650 x 450	2035 x 1035 x 550	2035 x 1190 x 690
Blower Fan	Type	Centrifugal Forward Curved, Double Inlet, Double Width							
Nominal Airflow	CMH	2040	3740	5780	5950	7480	7480	11560	14960
Power Supply	V/Ph/Hz	230V/1Ph/50Hz							
Outdoor Unit									
Dimensions	WxDxH mm	1020 x 416 x 686	1020 x 416 x 945	1200 x 550 x 945	1435 x 620 x 945	1020 x 416 x 945	1435 x 620 x 945	1200 x 550 x 945	1435 x 620 x 945
Quantity		1	1	1	1	2	1	2	2
Power Supply	V/Ph/Hz	415V/3Ph/50Hz							
Condenser Fan	Type	Propeller	Propeller	Propeller	Propeller	Propeller	Propeller	Propeller	Propeller
	Qty	1	1	1	2	1	2	1	2
Indoor Unit Weight	Kg	55	65	90	90	115	115	160	220
Outdoor Unit Weight	Kg	80	95	160	170	95	190	160	190
Compressor	Type	Recip.	Scroll						
Controller		Microprocessor - Pendant Controller							

Aircooled Packaged Airconditioners

Description	Units	DPA661R1	DPA1052R1	DPA1321R1	DPA1322R1	DPA1983R1	DPA2642R1
Nominal Cooling	KCal/Hr	16500	26250	33000	33000	49500	66000
Capacity	Tr	5.5	8.75	11	11	16.5	22
Indoor Unit							
Dimensions	WxDxH mm	900 x 660 x 1700	1160 x 660 x 1700	1160 x 660 x 1700	1160 x 660 x 1700	1500 x 750 x 1800	1500 x 930 x 2000
Blower Fan	Type	Centrifugal	Centrifugal	Centrifugal	Centrifugal	Centrifugal	Centrifugal
Nominal Airflow	CMH	3740	5950	7475	7475	11213	14960
Power Supply	V/Ph/Hz	415V/3Ph/50Hz					
Outdoor Unit							
Dimensions	WxDxH mm	1020 x 416 x 945	1020 x 416 x 945	1435 x 620 x 945	1020 x 416 x 945	1020 x 416 x 945	1435 x 620 x 945
Quantity		1	2	1	2	3	2
Power Supply	V/Ph/Hz	230V/1Ph/50Hz					
Condenser Fan	Type	Propeller	Propellar	Propellar	Propellar	Propellar	Propellar
	Qty	1	2	2	1	1	2
Indoor Unit Weight	Kg	195	295	290	300	500	580
Outdoor Unit Weight	Kg	60	60	130	60	60	130
Compressor	Type	Scroll					
Controller		Micro Processor - Pendant Controller					

Water cooled Packaged Airconditioners

Description	Units	DPW661R1	DPW1322R1	DPW1983R1
Nominal Cooling	KCal/Hr	16500	33000	49500
Capacity	Tr	5.5	11	16.5
Indoor Unit				
Dimensions	WxDxH mm	900 x 660 x 1700	1160 x 660 x 1700	1500 x 750 x 1800
Cooling Coil		Inner grooved copper tubes with Aluminium slit fins		
Blower Fan	Type	Centrifugal	Centrifugal	Centrifugal
Nominal Airflow	CMH	3740	7475	11213
Power Supply	V/Ph/Hz	415V/3Ph/50Hz		
Compressors	Qty	1	2	3
	Type	Scroll		
Weight	Kg	240	405	605
Controller		Micro Processor - Pendant Controller		

Models with eco friendly refrigerant available as an option.

BLUE STAR

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