



BLUE STAR



Cool phase by phase,
invest little by little.

Water Cooled Ducted Split Airconditioners



Blue Star is India's leading central airconditioning company with over six decades of experience in providing expert cooling solutions. Fulfilling the needs of a large number of corporate and commercial customers, Blue Star has established leadership in almost all the segments it operates in.

It understands your business like no other and provides solutions that cater to all your needs. All the products are tailored to your specific requirements, backed by one of India's widest after sales service networks.

Uniform cooling of commercial spaces is not an easy task, especially when it is a sprawling commercial complex or a shopping mall. To ensure a certain level of comfort for the customers, uniform cooling of such huge establishments is extremely essential. Malls, for example, need special attention, so that customers can enjoy their shopping experience in the comfort and luxury of a cool environment. However, owners of such large spaces often face a number of conventional problems when it comes to airconditioning.



The problem

Locked-up investment

Promoters invest in a complete central airconditioning system for the entire complex even before it is occupied.

No individual control

Tenants within the complex have little control over the airconditioning of their own spaces, and share bills for power they may not be consuming.

Limitations on placing ODU's

With most buildings having glazed exteriors nowadays, placing air cooled outdoor units is quite difficult, as in individual air cooled ducted systems.

Blue Star introduces the innovative new DSW series of Water Cooled Ducted Splits – a revolutionary answer to the needs of airconditioning commercial complexes.

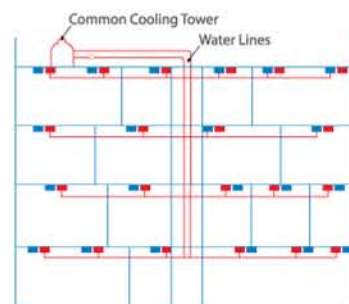
The solution

Invest as you go along

Just provide the cooling water system with convenient tap-off points initially. The airconditioning equipment and ducting can be planned floor by floor or shop by shop, as they are occupied.



Compact Condensing Unit



Be pound wise

Individual owners can purchase their own equipment, and plan their ducting the way they desire. Which means capital needn't be locked up at the initial stages of the product.

Independent control

The DSW series of ACs offer flexibility of individual airconditioning for each space within the mall, even while offering all the benefits of central airconditioning.

Architectural freedom

Blue Star's water cooled ducted splits don't need space on the sides of your buildings to mount their outdoor units. The indoor and outdoor units are hidden away conveniently. Completely facade friendly!

A win-win situation

Blue Star's DSW series

It presents a win-win situation for both promoters and occupiers of malls. Available in 3, 5.5, 8.75 and 11 TR capacities, in single and multiple configurations, the DSW series can aircondition a wide variety of spaces.

Water Cooled Mini Ducted Units

Blue Star introduces Water cooled mini ducted units of 1.5 TR, 2.0 TR and 2.5 TR capacities to suit small airconditioning applications. These are unitary airconditioning systems with compact closed refrigerant circuit. In this compact system, compressor, evaporator, shell and tube condensers and all accessories are mounted in a single insulated cabinet. The machines come with high efficiency rotary compressors and maintenance friendly shell and tube water cooled condensers. Minimum refrigerant piping length improves the efficiency. Compact size of the machines and low noise fans make it an ideal choice for commercial complex, hotel rooms, industrial airconditioning, cement plants and malls where there are advantages of better energy efficiency and individual control. The installation can be done very fast and simpler as it will require only water pipe connections and minor ducting at site.

Key Features



Micro processor based controller



Powder coated finish



Wide operating voltage from 175v to 260v



High pressure protection



Service friendly design



Auto restart after power failure



Technical Specifications

Water cooled Ducted Split Airconditioners

DESCRIPTION	UNITS	DSW361R1	DSW661R1	DSW1052R1	DSW1322R1
Nominal Cooling Capacity	Kcal/Hr	9,072	16,632	26,460	33,264
	Btu/Hr	36,000	66,000	1,05,000	1,32,000
	TR	3.0	5.5	8.75	11.0
Refrigerant		R22	R22	R22	R22
Indoor Unit					
Dimensions	WxDxH (mm)	950x575x380	1200x650x460	1475x650x460	1850x650x460
Type of Blower		Centrifugal Forward curved, Double Inlet, Double Width			
Nominal Air Flow	CMH	2040	3740	5950	7480
	cfm	1200	2200	3500	4400
Power Supply		230V, 1 Ph, 50 Hz, ac supply	415V, Three Phase, 50 Hz, ac supply		
External Finish		Pure Polyester Powder coated GI steel housing			
Capacity Control		0,100%	0,100%	0,50%,100%	0,50%,100%
Air filter		Non-Woven Polyester media enclosed by HDPE Media			
Controller		Microprocessor based with LCD display			
Outdoor Unit					
No. of ODUs	per unit	1	1	1	1
Compressor type		Recip	Hermetically Sealed Scroll		
No. of compressors/ODU		1	1	2	2
Dimensions	WxDxH(mm)	800x655x545	800x655x545	1170x640x630	1170x640x630
Power Supply		415V, Three Phase, 50 Hz, ac supply			
Condenser Type		Shell & Tube Type			
Cooling water required	usgpm	11	20	31	40
	CMH	2.5	4.5	7	9.1
Indoor Unit Weight	kg.	50	55	85	110
Outdoor Unit Weight	kg/ODU	120	130	225	225

* Specifications are subject to change due to continuous product developments and upgradations.

DSW Mini Series

DESCRIPTION	UNITS	DSW181R1	DSW241R1	DSW301R1
Normal cooling capacity	kCal/hr	4536	6048	7560
	Btu/hr	18000	24000	30000
	TR	1.5	2	2.5
Refrigerant		R-22		
Unit Dimensions	WxDxH (mm)	1163X672X552		
Type of Blower		Centrifugal forward curved, double inlet, double width		
Nominal Airflow	CMH	890	1275	1700
	CFM	525	750	1000
Electrical Power Supply	V/Ph/Hz	230 V, 1 Ph., 50Hz, AC supply		
External Finish		Pure polyester power coated GI steel housing		
Air Filter		Non-woven polyester media enclosed in HDPE mesh		
Controller		Microprocessor based with LCD display		
Compressor Type		Rotary		
Condenser Type		Shell and tube		
Water Inlet and Outlet Sizes	mm	25.4 BSP		
	inch	1		
Cooling Water Flow Requirement (@32 °C)	USGPM	4.5	6	7.5
Unit Weight	kg	124	127	132

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