



Spacefans
Total Trust

The NEXT Generation HVLS fans



Noise Level
< 40dbA

Spacefans DCL5 Series

Spacefans DCL5 series HVLS fans are of 5 airfoils design that have diameters ranging from 4.9 to 7.3m

These fans are direct driven. Very quiet with noise levels of less than 40 dbA. Have no gearboxes, no oil, no oil leakage, no nitrogen –filled parts and no on-board electronics resulting in a compact maintenance-free-and reliable drive unit with long service life.

Featuring the world's strongest rare earth magnets (NdFeB, Grade N38) in a multipole BLDC motor with SKF bearings, these ultra-quiet HVLS fans have a high electrical efficiency of 84%

Spacefans DCL5 series HVLS fans are also equipped with advanced variable frequency drive controllers which provide easy integration to BMS and fire control systems.

Light weight and maintenance free, these IP55 rated Spacefans deliver gentle breeze effortlessly and silently to the occupants below them.

Default Appearance : Black body with grey airfoils.

5 Airfoils

**5 years
Warranty**

**Custom
BLDC
Motor**

Spacefans DCL5 Series



Spacefans DCL5 Series Specifications Chart

Spacefans Diameter	4.9m(16ft)	5.5m(18ft)	6.1m(20ft)	7.3m(24ft)
Models	DCL5-49	DCL5-55	DCL5-61	DCL5-73
Input Power (kW/hp)	1.8/2.4	1.8/2.4	1.8/2.4	1.8/2.4
Single Phase Voltage (V)	220-230	220-230	220-230	220-230
Max FL Current (A)	8	8	8	8
Max Speed (RPM)	75	70	62	57
Air Displacement (CFM)	446,996	471,731	485,865	552,968
Air Displacement (m ³ /min)	12,650	13,350	13,750	14,800
Unobstructed Breeze Area (m ²)	700	855	1,055	1,500
Efficiency (W/m ³ /hr)	0.00237	0.00225	0.00218	0.00203
Fan Weight (kg)	106	114	120	135

General Information Spacefans DCL5 Series

Input Power	220-230VAC Single phase 20A Isolator
Ambient Operating Temperature	40°C
Noise Level	<40dbA
Controls	FWD/OFF/REV/SPEED/IP55 Enclosure
Certification	UL, EMC, RoHS, UL507
Warranty	5 Years (BLDC/VFD)

* Factory measured data. Actual results subject to site conditions and environmental factors. Specifications subject to changes without notice.

Applications of Spacefans DCL5 Series - HVLS

Food courts	Exhibition Halls	Aircraft Hangars	Restaurants
Shopping Malls	Schools	Hotel Foyers	Wineries
Discotheques	Places of Worships	MRT Stations	Agriculture/ Dairy
Sports Halls	Warehouses/ Workshops	Bus Interchanges	Pet Care Centres
Multipurpose Halls	Manufacturing Facilities	Large Tents	Temporary Shelters
Athletic Stadiums	Airports	Gymnasiums	Distribution Centres
Community Centres	Military Facilities	Country Clubs	Defence Shelters



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