



Spacefans
Total Trust

The NEXT Generation HVLS fans



Noise Level
< 40dbA

Spacefans DCM Series

Spacefans DCM series HVLS fans are of 8 airfoils design that have diameters ranging from 2.4 to 4.2m

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 DCM 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.

8 Airfoils

**5 years
Warranty**

**Custom
BLDC
Motor**

Spacefans DCM Series





Spacefans DCM Series Specifications Chart

Spacefans Diameter	2.4m(8ft)	3.0m(10ft)	3.6m(12ft)	4.2m(14ft)
Models	DCM-24	DCM-30	DCM-36	DCM-42
Input Power (kW/hp)	0.15(0.20)	0.2(0.27)	0.3(0.40)	0.4(0.51)
Single Phase Voltage (V)	220-230	220-230	220-230	220-230
Max FL Current (A)	0.90	1.29	1.49	1.78
Max Speed (RPM)	122	103	92	82
Air Displacement (CFM)	52,650	86,622	108,724	135,097
Air Displacement (m ³ /min)	1,490	2,452	3,077	3,823
Unobstructed Breeze Area (m ²)	260	335	406	530
Efficiency (W/m ³ /hr)	0.00168	0.00140	0.00166	0.00179
Fan Weight (kg)	32	36	38	42

General Information Spacefans DCM 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 DCM 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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