



JABATAN KERJA RAYA MALAYSIA
CAWANGAN KEJURUTERAAN ELEKTRIK
UNIT PENSIJILAN BAHAN DAN STANDARD

TECHNICAL INFORMATION

HIGH VOLUME LOW SPEED (HVLS) FAN

A. COMPANY INFORMATION						
COMPANY NAME :						
ADDRESS :						
POSTCODE :		TELEPHONE NO. :				
STATE :		COMPANY EMAIL :				
ISO CERTIFICATION					REGISTRATION NO.	SCOPE
1. ISO 9001	<input type="checkbox"/>	YES	<input type="checkbox"/>	NO		
2. ISO 14001	<input type="checkbox"/>	YES	<input type="checkbox"/>	NO		
3. ISO 50001	<input type="checkbox"/>	YES	<input type="checkbox"/>	NO		
4. ISO	<input type="checkbox"/>	YES	<input type="checkbox"/>	NO		

B. PRODUCT INFORMATION		
BRAND NAME :		
PRODUCT CERTIFICATION LICENSE NO. ¹ :	CERTIFICATION BODY ¹ :	
MANUFACTURER NAME :		
MANUFACTURER ADDRESS :		
COUNTRY OF ORIGIN :		
MOTOR TYPE :		
AIR FOIL TYPE :		
DRIVE TRAIN TYPE ¹ :		
CONTROLLER TYPE :		
WARRANTY PERIOD (YEARS) :		
FAN LIFE EXPECTANCY (YEARS) :		
PERMANENT MAGNET LIFE EXPECTANCY (YEARS) ² :		

Note:

Please cross whichever applicable and fill in the required blanks.

¹ Please fill in the blank if applicable.

² Applicable for HVLS Fan with DC Motor type only.

TECHNICAL INFORMATION

HIGH VOLUME LOW SPEED (HVLS) FAN

C. COMPLIANCE REQUIREMENTS

NO.	REQUIREMENTS	REMARKS	YES	NO
1.	The test report shall comply with IEC 60335-1 and IEC 60335-2-80.		<input type="checkbox"/>	<input type="checkbox"/>
2.	Provided with Guy Wire to restraint motor's body movement which applicable for down rod length of 1200 mm and above or by manufacturer's recommendation (Indicated in the Technical Catalogue and Installation Manual).		<input type="checkbox"/>	<input type="checkbox"/>
3.	Provided with galvanized (anti-corrosive) Safety Wire as secondary suspension system and independent from primary suspension system to prevent HVLS fan from falling in the event of primary suspension system fail.		<input type="checkbox"/>	<input type="checkbox"/>
4.	Product warranty of five (5) years or more from the installation completion date inclusive of the installation and all components provided by the manufacturer.		<input type="checkbox"/>	<input type="checkbox"/>
5.	Provided with Certified Installer appointed by the manufacturer to perform the installation.		<input type="checkbox"/>	<input type="checkbox"/>
6.	The product is certified with Product Certification License from SIRIM, IECEE CB Scheme or any other certified international certification body.		<input type="checkbox"/>	<input type="checkbox"/>
7.	The HVLS Fan controller is constructed for wall mounting type.		<input type="checkbox"/>	<input type="checkbox"/>
8.	The recommended air foil sweep is as following: ³ <ul style="list-style-type: none"> • 2440 mm (8') • 3050 mm (10') • 3660 mm (12') • 4270 mm (14') • 4880 mm (16') • 5490 mm (18') • 6100 mm (20') • 6710 mm (22') • 7320 mm (24') 		<input type="checkbox"/>	<input type="checkbox"/>

Note:

Please cross whichever applicable and fill in the required blanks.

³ The sizes mentioned is for reference purposes only. The manufacturer is not obligated to comply with all of the sizes.

TECHNICAL INFORMATION

HIGH VOLUME LOW SPEED (HVLS) FAN

D. SPECIFICATIONS

1. GENERAL

MODEL	PRICE (RM)	DIAMETER (m or ft.) ⁴	AIR FOILS NOS.	RATED VOLTAGE (V)	RATED POWER (W)	AIR FLOW (CFM or m ³ /min) ⁴	EFFICACY (CFM/W or m ³ /min/W) ⁴
1.							
2.							
3.							
4.							
5.							
6.							
7.							
8.							

Note:

Please ensure the models declared within this page are in exact match as in page 4.

⁴ Please ~~strike through~~ the measurement unit which is not applicable and fill in the related information.

TECHNICAL INFORMATION

HIGH VOLUME LOW SPEED (HVLS) FAN

1. GENERAL (cont.)

MODEL	STANDARD DROP LENGTH (m or ft.) ⁴	FLOOR TO CEILING HEIGHT (m or ft.) ⁴	HANGING WEIGHT (kg or lbs) ⁴	MAXIMUM AFFECTED AREA (sqm or sqft.) ⁴	MAXIMUM SPEED (RPM)	NOISE LEVEL AT MAX. SPEED (dBA)	RECOMMENDED SPACE DISTANCE BETWEEN TWO FANS (m or ft.) ⁴
1.							
2.							
3.							
4.							
5.							
6.							
7.							
8.							

Note:

Please ensure the models declared within this page are in exact match as in page 3.

⁴ Please ~~strike through~~ the measurement unit which is not applicable and fill in the related information.

TECHNICAL INFORMATION

HIGH VOLUME LOW SPEED (HVLS) FAN

E. TYPE TESTS

NO.	TEST DESCRIPTION	STANDARD	TEST REPORT NO.	PAGE	YES	NO
1	Safety Type Tests					
1.1	Marking and instructions	IEC 60335-2-80			<input type="checkbox"/>	<input type="checkbox"/>
1.2	Protection against access to live parts	IEC 60335-2-80			<input type="checkbox"/>	<input type="checkbox"/>
1.3	Starting of motor-operated appliances	IEC 60335-2-80			<input type="checkbox"/>	<input type="checkbox"/>
1.4	Power input and current	IEC 60335-2-80			<input type="checkbox"/>	<input type="checkbox"/>
1.5	Heating	IEC 60335-2-80			<input type="checkbox"/>	<input type="checkbox"/>
1.6	Leakage current and electric strength at operating temperature	IEC 60335-2-80			<input type="checkbox"/>	<input type="checkbox"/>
1.7	Transient over voltages	IEC 60335-2-80			<input type="checkbox"/>	<input type="checkbox"/>
1.8	Moisture resistance	IEC 60335-2-80			<input type="checkbox"/>	<input type="checkbox"/>
1.9	Leakage current and electric strength	IEC 60335-2-80			<input type="checkbox"/>	<input type="checkbox"/>
1.10	Overload protection of transformers and associated circuits	IEC 60335-2-80			<input type="checkbox"/>	<input type="checkbox"/>
1.11	Endurance	IEC 60335-2-80			<input type="checkbox"/>	<input type="checkbox"/>
1.12	Abnormal operation	IEC 60335-2-80			<input type="checkbox"/>	<input type="checkbox"/>
1.13	Stability and mechanical hazards	IEC 60335-2-80			<input type="checkbox"/>	<input type="checkbox"/>
1.14	Mechanical strength	IEC 60335-2-80			<input type="checkbox"/>	<input type="checkbox"/>
	↳ Ceiling fans shall have adequate strength. The suspension system including any safety suspension system device shall not break and the fan shall not be damaged to such an extent that compliance with 8.1, 16.3 and Clause 29 is impaired.				<input type="checkbox"/>	<input type="checkbox"/>
1.15	Construction	IEC 60335-2-80			<input type="checkbox"/>	<input type="checkbox"/>
	↳ The ceiling fan shall be constructed so that a failure of the fixing device of the motor to the mounting rod could not give rise to risk of injury to the user or surroundings.				<input type="checkbox"/>	<input type="checkbox"/>

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TECHNICAL INFORMATION

HIGH VOLUME LOW SPEED (HVLS) FAN

NO.	TEST DESCRIPTION	STANDARD	TEST REPORT NO.	PAGE	YES	NO
1.16	Internal wiring	IEC 60335-2-80			<input type="checkbox"/>	<input type="checkbox"/>
1.17	Components	IEC 60335-2-80			<input type="checkbox"/>	<input type="checkbox"/>
1.18	Supply connection and external flexible cords	IEC 60335-2-80			<input type="checkbox"/>	<input type="checkbox"/>
1.19	Terminals for external conductors	IEC 60335-2-80			<input type="checkbox"/>	<input type="checkbox"/>
1.20	Provision for earthing	IEC 60335-2-80			<input type="checkbox"/>	<input type="checkbox"/>
1.21	Screws and connections	IEC 60335-2-80			<input type="checkbox"/>	<input type="checkbox"/>
1.22	Clearances, creepage distances and solid insulation	IEC 60335-2-80			<input type="checkbox"/>	<input type="checkbox"/>
1.23	Resistance to heat and fire	IEC 60335-2-80			<input type="checkbox"/>	<input type="checkbox"/>
1.24	Resistance to rusting	IEC 60335-2-80			<input type="checkbox"/>	<input type="checkbox"/>
1.25	Radiation, toxicity and similar hazards	IEC 60335-2-80			<input type="checkbox"/>	<input type="checkbox"/>
2	Performance Type Tests (If Applicable)					
2.1	Laboratory Methods of Testing Air Circulating Fans for Rating and Certification	ANSI/AMCA 230			<input type="checkbox"/>	<input type="checkbox"/>
2.2	Others (Please define) :			<input type="checkbox"/>	<input type="checkbox"/>

Note:

Please cross whichever applicable and fill in the required blanks.

TECHNICAL INFORMATION

HIGH VOLUME LOW SPEED (HVLS) FAN

F. LIST OF DOCUMENTS TO BE ATTACHED

<u>NO.</u>	<u>DESCRIPTION</u>	<u>YES</u>	<u>NO</u>
1.	Technical Catalogue for HVLS Fan	<input type="checkbox"/>	<input type="checkbox"/>
2.	Technical Datasheet for Fan's Motor	<input type="checkbox"/>	<input type="checkbox"/>
3.	Technical Datasheet for Fan's Drive Train ⁵	<input type="checkbox"/>	<input type="checkbox"/>
4.	Technical Datasheet for Fan's Controller	<input type="checkbox"/>	<input type="checkbox"/>
5.	Technical Datasheet for MCB ⁵	<input type="checkbox"/>	<input type="checkbox"/>
6.	SIRIM Product Certification License for MCB ⁵	<input type="checkbox"/>	<input type="checkbox"/>
7.	ST Certificate of Approval (CoA) for MCB ⁵	<input type="checkbox"/>	<input type="checkbox"/>
8.	Mill Certificate for Air Foil	<input type="checkbox"/>	<input type="checkbox"/>
9.	Certified Installer Certificate – Certified by the manufacturer	<input type="checkbox"/>	<input type="checkbox"/>
10.	Warranty Certificate	<input type="checkbox"/>	<input type="checkbox"/>
11.	Manufacturer's Authorization Letter as Sole Distributor	<input type="checkbox"/>	<input type="checkbox"/>
12.	Manufacturer's Installation Manual	<input type="checkbox"/>	<input type="checkbox"/>
13.	Manufacturer's Operation and Maintenance Manual	<input type="checkbox"/>	<input type="checkbox"/>
14.	HVLS Fan Installation Checklist	<input type="checkbox"/>	<input type="checkbox"/>
15.	HVLS Fan Testing and Commissioning Checklist	<input type="checkbox"/>	<input type="checkbox"/>
16.	Manufacturer's Company Profile (Including organisation chart)	<input type="checkbox"/>	<input type="checkbox"/>
17.	Distributor's Company Profile (Including organisation chart)	<input type="checkbox"/>	<input type="checkbox"/>
18.	HVLS Fan Sample Photos:		
	• Detail Drawing (Circuit Diagram, Components & Dimension)	<input type="checkbox"/>	<input type="checkbox"/>
	• HVLS Fan Marking Label	<input type="checkbox"/>	<input type="checkbox"/>
	• Motor Marking Label	<input type="checkbox"/>	<input type="checkbox"/>
	• Drive Train Marking Label ⁵	<input type="checkbox"/>	<input type="checkbox"/>
	• Front View of Controller	<input type="checkbox"/>	<input type="checkbox"/>
	• Side View of HVLS Fan	<input type="checkbox"/>	<input type="checkbox"/>
	• Bottom View of HVLS Fan	<input type="checkbox"/>	<input type="checkbox"/>
	• Other Related Components	<input type="checkbox"/>	<input type="checkbox"/>

Note:

Please cross whichever applicable.

⁵Applicable for HVLS Fan which equipped with this item only.

TECHNICAL INFORMATION

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<u>NO.</u>	<u>DESCRIPTION</u>	<u>YES</u>	<u>NO</u>
19.	Test Report(s)	<input type="checkbox"/>	<input type="checkbox"/>
20.	Certificate of ISO/IEC 17025 Laboratory Accreditation	<input type="checkbox"/>	<input type="checkbox"/>
21.	Certificate of IEC 60335-2-80 Scope Accreditation	<input type="checkbox"/>	<input type="checkbox"/>
22.	Sample of HVLS Fan and Mock-up for Construction at Applicant's Premise	<input type="checkbox"/>	<input type="checkbox"/>

G. PENGESAHAN

Adalah saya, dengan ini mengesahkan segala keterangan yang diberikan/dikemukakan bagi bahan/barangan di atas adalah benar. Jika saya didapati membuat pengakuan **PALSU**, maka tindakan boleh diambil oleh pihak JKR terhadap permohonan pendaftaran saya.

Setem Syarikat:

Tandatangan : _____
 Nama : _____
 Jawatan : _____
 Tarikh : _____

H. ULASAN (Untuk Kegunaan Pejabat)

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Note:

Please cross whichever applicable and fill in the required blanks.