

NORDICOLD

SPECIFICATION FOR APPROVAL

CUSTOMER: NordicCold AB

PARTS : DC COOLING FAN

MODEL NO. : D8025V24HB-K-IP44

Please confirm your acceptance of this specification for approval with signature.

CUSTOMER APPROVED SIGNATURE	ACTIVA INC. CHECKED BY
NORDICOLD Datavägen 16, 436 32 ASKIM Tel 031-68 04 40, Fax 031-28 52 91 <i>P. Heikkilä</i>	<i>Ms. Demi Chiu</i>
DATE: <i>13/10-2008</i>	DATE: Oct 15, 2008

PRODUCT SPECIFICATION

A. General Specification

Item		Specification	Condition
1	Model No.	D8025V24HB-K	
2	Outline Dimension	80 x 80 x 25 mm	
3	Rated Voltage	DC 24 V	
4	Starting Voltage	DC 14 V	
5	Rated Current	0.16 A	At Rated Voltage, 25°C, 65% RH
6	Power Consumption	3.84 W	At Rated Voltage, 25°C, 65% RH
7	Speed	4,300 RPM	At Rated Voltage, 25°C, 65% RH Free Air
8	Max. Airflow	54.99 CFM (ft ³ /min)	At Rated Voltage AMCA Standard
9	Max. Static Pressure	7.399 mmH ₂ O	At Rated Current
10	Noise Level	40.0 dB(A)	At Rated Voltage Measured in a non-echo Chamber CNS 8753 Standard ISO 3744 Test Condition
11	Life	50,000 hours 25° C	MTBF (Mean Time Between Failures) Conf. Level 90%
12	No. of Blade	7 Blades	
13	No. of Pole	4 Poles	
14	Rotating Direction	Counter-Clockwise View From Label Side	
15	Tolerance	± 10%	At Rated Voltage
16	Weight	76 g	
17	Motor Type	DC Brushless Fan Motor	
18.	Operating Voltage	14.0~27.60V	

B. Main Materials / Parts Specification

Materials / Parts		Specification
1	Plastic Material / Blade, Housing, Bobbin	UL 94V-0, P.B.T. + 30% GF Black
2	Bearing	2 Ball Bearing
3	Lead Wire	UL1007 AWG#24, Positive(+)Red, Negative(-)Black,
4	Connector	

C. Safety Approvals :

Safety Approvals	File No.	Safety Approvals	File No.
CE			

D. Environmental Specification

Item		Specification / Condition
1	Operating Temp. Range	Temperature : -30°C ~ + 75°C Humidity : 35% - 85% RH
2	Storage Temperature	Temperature : -30°C ~+ 75°C Humidity : 35% - 85% RH
3	Humidity	Per MIL-STD 202F Method 103B; Life: 96 hours; Humidity : 95% RH; Temperature: 40 ± 2°C
4	Thermal Shock	Per MIL-STD 202F Method 107D, Condition D
5	Insulation Shock	UL: Class A
6	Packing Vibration Test	Packing Condition: X, Y, Z 3directions, 1.1 G load vibration test for 30 min.
7	Packing Shock Proof Test	1 corner, 3 edges, 6 faces natural drop from 60 cm high packing

E. Electrical Specification

Item		Specification/Condition
1	Insulation Resistance	10MΩ between frame and unshielded wire at 500VDC/min
2	Dielectric Strength	5mA Max. / Measured b/w lead wire (+) and frame at 500VAC/min
3	Locker Rotor Protection	a. No damage will be made for a continuous 72-hour rotation lock at rated voltage. b. Signal Alarm-Optional
4	Polarity Protection	Circuit is protected when Vcc & GND are exchanged.

F. Outline Dimension **UNIT: mm**

