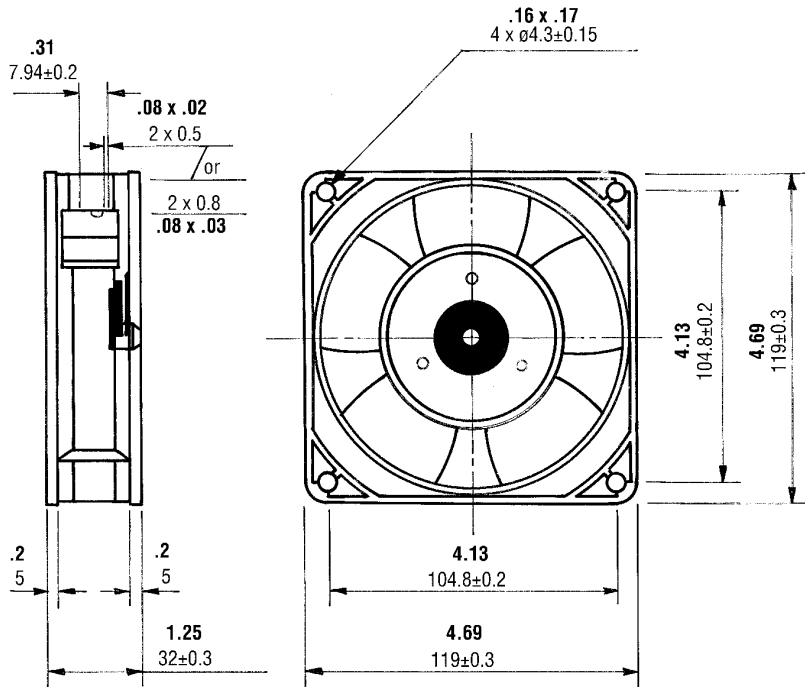


DC Fans



Model 158

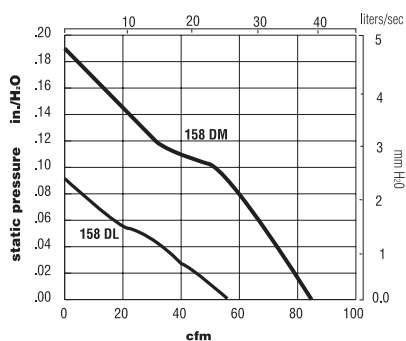
Size: 119 mm x 32 mm (4.685" x 1.26")



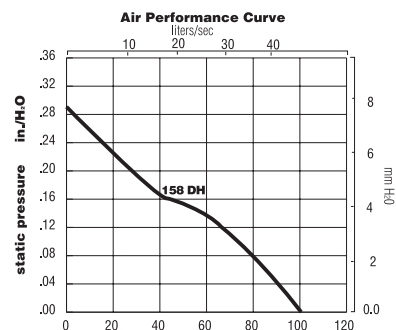
Part Number	Bearings	Voltage	Voltage Range	Current(mA)	Input(watts)	Noise(dBA)	Speed(rpm)	Airflow(cfm)	Air Pressure (In H2O)
158DH-5LP11-000	Ball	5	4.6-6	1300	6.5	42.5	3050	103.8	0.29
158DH-1LP11-000	Ball	12	6-15	540	6.5	42.5	3050	103.8	0.29
158DH-2LP11-000	Ball	24	15-28	270	6.5	42.5	3050	103.8	0.29
158DH-4LP11-000	Ball	48	22-56	135	6.5	42.5	3050	103.8	0.29
158DM-5LP11-000	Ball	5	4.6-6	660	3.5	37.5	2450	82.6	0.19
158DM-1LP11-000	Ball	12	6-15	275	3.5	37.5	2450	82.6	0.19
158DM-2LP11-000	Ball	24	15-28	138	3.5	37.5	2450	82.6	0.19
158DM-4LP11-000	Ball	48	22-56	69	3.5	37.5	2450	82.6	0.19
158DL-5LP11-000	Ball	5	4.6-6	460	2.3	29.5	1680	57.2	0.09
158DL-1LP11-000	Ball	12	6-15	191	2.3	29.5	1680	57.2	0.09
158DL-2LP11-000	Ball	24	15-28	96	2.3	29.5	1680	57.2	0.09
158DL-4LP11-000	Ball	48	22-56	48	2.3	29.5	1680	57.2	0.09

Optional frequency generator or rotation detector versions available. Consult factory.

158DL/DM Performance Curve



158DH Performance Curve



ETRI Model 158 DC FANS

Size: 120 mm x 32 mm (4.75" x 1.75")



ELECTRICAL SPECIFICATIONS

Item	Specification	Conditions/Tolerances
Motor type	DC	brushless
Input current	at nominal voltage	±20%
Input power	at nominal voltage	±20%
Max air flow / Back pressure	All tested in submerged orifice chamber	±6% cfm/±12% pressure
Dielectric strength	<40 volts 3.5 mA @ 600 VAC	5 seconds between frame and (+) terminal
	>/=40 volts 3.5 mA @ 1100 VAC	5 seconds between frame and (+) terminal
Electrical connection	UL 1007 awg 24	300 mm (12"), (+) red (-) black
Speed	at nominal voltage	±4%

MECHANICAL SPECIFICATIONS

Item	Specification	Conditions/Tolerances
Life expectancy	60,000 hours	continuous operation @ 25°C
Bearing	ball bearing	top and bottom
Airflow direction	intake over impeller	
Housing material	PBT plastic - glass fiber	UL 94V-0
Mounting type	flange	
Impeller	PBT plastic - glass fiber	UL 94V-0
Weight	.23 kg (8.2 oz)	
Rotation	counter clockwise from nameplate	

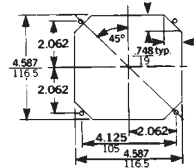
ENVIRONMENTAL SPECIFICATIONS

Item	Specification	Conditions/Tolerances
Operating temperature	- 20 to + 70°C	
Storage temperature	- 40 to + 70°C	
Shock test	30 g peak acceleration	duration - 11 ms (Mil Std 202-method 213B)
Vibration test	x,y,z, direction	frequency 10-55 Hz, amplitude 0.35 mm or 5g (Mil Std 202 - method 201A Or 204C)
Acoustical	anechoic chamber at free air	microphone - 1 meter away

PROTECTION

Item	Specification	Conditions/Tolerances
Locked rotor	impedance protected	100 hours at rated voltage
Polarity protected	will withstand pos and neg lead reversal	
Insulation class	UL class B	
Auto restart	automatic restart by timer	locked rotor condition
Agency approvals	CE - designed to meet UL, CSA, VDE	*UL, CSA, VDE pending
Warranty	3 years	

PANEL CUT-OUT



ACCESSORIES

ETRI fans are available with a wide range of accessories, from finger guards to filter assemblies to special termination. Request our accessories brochure or call your nearest distributor for complete details.



1503, Rocky River Road North
Monroe, NC 28110 USA
Tel: 704.289.5423
Fax: 704.283.7170

9-11, rue de Moulin des Bruyères
92400 Courbevoie FRANCE
Tel: (33-1) 49 04 92 00
Fax: (33-1) 47 89 09 38

Website: <http://www.etrinet.com> Email: sales@etrinet.com

