

Marine Air Blower 280 / 500 / 750 / 1000 m³/h 12V/24V

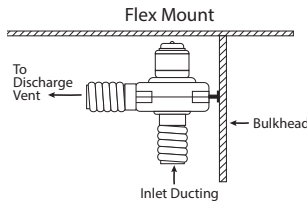
- Extended Life Motor
- Tough Reinforced Thermoset Plastic Housing
- Mounts To Any Flat Surface
- Slip-On Inlet Ducting Connection
- Efficient High Volume Air Flow
- Low-Current Draw
- Corrosion-Resistant Materials
- Meets USCG Electrical Regulations, ISO 8846, 10133, 9097 and CE
Conforms with EN 55014 for suppression of Electro-magnetic interference

Installation:

The Albinus Marine Air Blowers are available for flexible mounting or flange mounting.

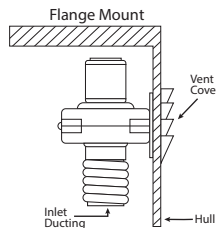
Flex Mounting

Blower is mounted on a flat bulkhead surface in the highest part of a compartment free from spray or deck wash. Use a suitable discharge fitting so that the static pressure of the blower will not be affected by any change in wind direction. Route the inlet ducting with as few bends as possible to the lower 1/3 of the bilge compartment where vapors are likely to accumulate. Be sure ducting is positioned below the top of engine stringers but not so low as to become submerged in bilge water. Locate pickup to take advantage of natural airflow direction.



Flange Mounting

Blower is mounted on a flat bulkhead surface in the highest part of compartment free from spray or deck wash. Cut a hole in the bulkhead and secure the blower with washers and screws dia. 6 (NOTICE: Tighten screws evenly to avoid flange damage). Use a suitable discharge fitting so that the static pressure



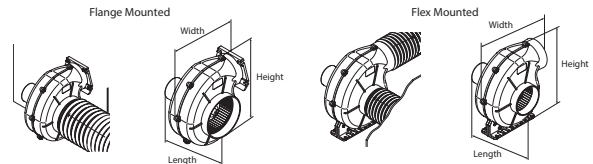
of the blower will not be affected by any change in wind direction. Route inlet ducting with as few bends as possible to the lower 1/3 of the bilge compartment where vapors are likely to accumulate. Be sure the ducting is positioned below the top of engine stringers but not so low as to become submerged in bilge water. Locate the pickup to take advantage of natural air flow direction.

Electrical Connection

WIRING: Use stranded copper wire. For lengths up to 25 feet (7.6 m) from power source: Use 2 mm. wire for 12 volt and 1.5 wire for 24 volt. Use larger wire for longer lengths.

Circuit must be protected with a fuse; see fuse info together with part number and product information on the next page.

Wire size	Max wire length (total distance from the battery to the blower and back to the battery)							
	3" 280		4" 500		6" 750		6" 1000	
	12V	24V	12V	24V	12V	24V	24V	
1.5 mm ² (15 ga)	6.2 m (20')	21.7 m (71')	2.4 m (7.9')	7.5 m (25')		4.6 m (15')	3.2 m (10.5')	
2.5 mm ² (13 ga)	10.5 m (34')	36.8 m (121')	3.7 m (12')	14.5 m (48')	2.3 m (8')	7.6 m (25')	5.4 m (17.7')	
4 mm ² (11 ga)	16.5 m (54')	57.8 m (190')	5.7 m (19')	20 m (66')	3.5 m (11')	12.5 m (41')	8.7 m (28.5')	
6 mm ² (9 ga)	25.5 m (84')		8.3 m (27')	30 m (98')	5.2 m (17')	18 m (59')	13 m (42.7')	
10 mm ² (7 ga)			14.2 m (47')		8.5 m (28')	30 m (98')	22 m (72.2')	
16 mm ² (5 ga)			22.5 m (74')		13.8 m (45')		35 m (114.8')	
25 mm ² (3 ga)					21 m (69')			



EN 55014-1
ISO 8846
ISO 10133
ISO 9097

Waste handling & material recycling

At the product's end of life, please dispose of the product according to applicable law. Where applicable, please disassemble the product and recycle the parts according to material.



WARNING Explosion hazard. Gasoline vapors can explode. Before starting engines, operate blower for 4 minutes and check engine compartment bilge for gasoline vapors. Run blower below cruising speed. Failure to do so can result in injury or death.

WARRANTY

One year limited warranty

MARINE AIR BLOWER	Part Nr.	Type	Capacity	Connections		Dimensions HxWxL	Fuse	Replaces*
				inlet	outlet			
Flange 280 12V • 3.8A	10-02-001	3" Flange mounted radial blower	280 m ³ /h (163 ft ³ /min)	Ø 75 mm (3")	92 x 80 mm (3.6 x 3.2")	200 x 165 x 195 mm 7.9 x 6.5 x 7.7 in	5 A	JP 80-47416-01, Jco 34739-0010, OT 5500001212
Flange 280 24V • 2A	10-02-002							JP 80-47416-02, Jco 50880-1100, OT 5500001224
Flange 500 12V • 12A	10-02-003	4" Flange mounted radial blower	500 m ³ /h (324 ft ³ /min)	Ø 100 mm (4")	146 x 118 mm (5.8 x 4.7")	290 x 257 x 150 mm 11.4 x 10.1 x 5.9 in	15 A	JP 80-47417-01, Jco 35760-0092, OT 5500101212
Flange 500 24V • 6A	10-02-004							JP 80-47417-02, Jco 35760-0094, OT 5500101224
Flange 750 12V • 10A	10-02-005	6" Flange mounted radial blower	750 m ³ /h (441 ft ³ /min)	Ø 150 mm (6")	146 x 118 mm (5.8 x 4.7")	290 x 257 x 170 mm 11.4 x 10.1 x 6.7 in	20 A	JP 80-47418-01, OT 5500101412
Flange 750 24V • 5A	10-02-006							JP 80-47418-02, OT 5500101424
Flange 1000 24V • 15A	10-02-021	6" Flange mounted radial blower	1000 m ³ /h (589 ft ³ /min)	Ø 150 mm (6")	Ø 103 mm (4.1")	290 x 257 x 180 mm 11.4 x 10.1 x 7.1 in	20 A	JP 80-47419-02
Flex 500 12V • 12A	10-03-007	4" Flex mounted radial blower	500 m ³ /h (324 ft ³ /min)	Ø 100 mm (4")	Ø 103 mm (4.1")	290 x 257 x 150 mm 11.4 x 10.1 x 5.9 in	15 A	JP 80-47420-01, Jco 35770-0092, OT 5500102212
Flex 500 24V • 6A	10-03-008							JP 80-47420-02, Jco 35770-0094, OT 5500102224
Flex 750 12V • 10A	10-03-009	6" Flex mounted radial blower	750 m ³ /h (441 ft ³ /min)	Ø 150 mm (6")	Ø 103 mm (4.1")	290 x 257 x 170 mm 11.4 x 10.1 x 6.7 in	20 A	JP 80-47421-01, OT 5500102412
Flex 750 24V • 5A	10-03-010							JP 80-47421-02, OT 5500102424
Flex 1000 24V • 15.5A	10-03-022	6" Flex mounted radial blower	1000 m ³ /h (589 ft ³ /min)	Ø 150 mm (6")	Ø 103 mm (4.1")	290 x 257 x 180 mm 11.4 x 10.1 x 7.1 in	20 A	JP 80-47422-02

* JP = Johnson Pump
Jco = Jabsco
OT = Ocean Technologies