

**EBAC MODEL GENESIS
AVENGER APOLLO
AIR MOVER
OWNER'S MANUAL**

Ebac Industrial Products
704 Middle Ground Boulevard
Newport News
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UNPACKING

Remove the top insert and your Ebac Air Mover from its packing carton, then visually inspect for any signs of transit damage. If there are any signs of damage, do not operate your unit. Call your supplier immediately for advice. Do not discard the packing for it will be useful for transporting your unit in the future.

TRANSPORTATION

A cord wrapping facility has been moulded into the plastic fan housing. The power cord should be wrapped around this facility during transit. Do not drop or abuse your airmover during transit for risk of damage to both the motor and housing.

INTRODUCTION

Ebac Air Movers are high performance, high efficiency fan systems designed to optimize air movement and minimize operating costs for drying applications. With various features and capabilities to accommodate your drying needs, The Ebac Air Mover Series consists of 3 models:

GENESIS: 1/3 HP (SINGLE SPEED)

AVENGER: 1/3 HP (THREE SPEED)

APOLLO: 1/2 HP (THREE SPEED)

Each model incorporates a double inlet, centrifugal type fan design to provide the high static pressure and airflow required to dry water damaged facilities and equipment. The Ebac Air Mover series was designed to provide you the best performance and serviceability.

- 25 ft. Power Cord with Moulded Cord grip
- Internal Thermal Circuit Breaker
- Aerodynamic, Rotationally Moulded Polythelne Housing.
- High Efficient 1/3 & 1/2 HP Motors
- Single & Three Speed Fan Designs
- 4 operating Positions (0°, 12°, 45°, & 90°)
- Optional Carpet Clamp
- Stack ability in the Vertical Plane during both Storage and Operation.
- Moulded Cord wrap Facility

OPERATING PROCEDURES

Connect the power cord into a 15 amp grounded electrical outlet, turn the power switch to the ON position. If you have no power or hear and loud or abnormal noises, refer to the “Troubleshooting” part and consult the Factory Service Center.

Your Ebac Air Mover is designed to operate in 4 positions to allow drying of floors, walls and ceilings.

Your Ebac Air Mover comes with internal circuit protection for your safety. When working around a wet environment, we also recommend always plugging the unit into a ground fault interrupter to assure the best protection.

For the drying of water damaged facilities, we recommend using an Ebac dehumidifier along with your air mover to provide you with more efficient drying. Your air mover is designed to induce evaporation or water contained within flooded surfaces or materials. Yet, without a mechanism of removing the moisture from the air, drying will not occur. It is recommended that the dehumidifier outlet is close to the air mover intake. This allows for dry air to be distributed by the air mover.

WIRING:

Connect the power mains cable/plug of the dehumidifier unit to a 16 Amp power supply. As follows:-

Brown	Live
Blue	Neutral
Green/Yellow	Earth (ground)

SPECIFICATIONS

MODEL:	GENESIS	AVENGER	APOLLO
PART NUMBER:	1890100	1890200	1890300
HEIGHT:	21"	21"	21"
WIDTH:	20"	20"	20"
DEPTH:	19"	19"	19"
WEIGHT:	31 lbs	32 lbs	34 lbs
HORSEPOWER	1/3	1/3	1/2
POWER SUPPLY:	115V/60Hz/1ph	115V/60Hz/1ph	115V/60Hz/1ph
AMPERAGE:	4.2	3.8	6.0
SPEEDS:	1	3	3

REPAIRS

Your air mover was designed to minimize the amount of maintenance/repairs required by utilizing a maintenance-free motor. However, to assure the longest product life, follow the maintenance procedures listed below as often as necessary.

TROUBLESHOOTING

<u>SYMPTOM</u>	<u>CAUSE</u>	<u>REMEDY</u>
Unit Inoperative/Airflow	<ol style="list-style-type: none"> 1. No power to unit 2. Internal circuit breaker tripped 3. Loose electrical wiring 4. Fan motor burnt out 	<ol style="list-style-type: none"> 1. Check power from main supply. Reset circuit breaker or replace fuse 2. Press internal breaker on control panel to reset circuit 3. Check wiring diagram and repair fault 4. Replace fan motor
Excessive Vibration/Noise	<ol style="list-style-type: none"> 1. Loose motor 2. Loose blower wheel 3. Damaged blower wheel 	<ol style="list-style-type: none"> 1. Tighten motor mounting lugs 2. Balance rotor and tighten set screw with allen wrench 3. Replace blower wheel

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GENESIS, AVENGER & APOLLO SPARE PARTS LIST

<u>DESCRIPTION</u>		<u>QTY</u>	<u>PART NUMBERS</u>		
			<u>GENESIS</u>	<u>AVENGER</u>	<u>APOLLO</u>
Housing		1	2894500	2894500	2894500
Rubber Foot		4	2094501	2094501	2094501
Motor	1/3 HP (1SPD)	1	384110	N/A	N/A
	1/3 HP (3SPD)		N/A	3841101	N/A
	1/2 HP (3SPD)		N/A	N/A	3841102
Rotor Wheel		1	3840401	3840401	3840401
Inlet Mesh (Rotor Side)		1	2094503	2094503	2094503
Inlet Mesh (Motor Side)		1	2094504	2094504	2094504
Edging Strip (.76m)		1	3032999	3032999	3032999
Cable Gland		1	3032510	3032510	3032510
Power Cord		1	3831218	3831218	3831218
Kickdown Support		1	2094502	2094502	2094502
Kickdown Sheath		2	2094506	2094506	2094506
Outlet Grille		1	2094507	2094507	2094507
Inlet Ring		1	2094509	2094509	2094509
Controls Recess		1	2094508	2094508	2094508
Grommet		1	3832107	3832107	3832107
P-Clip		1	3832414	3832414	3832414
Machine Label		1	3870509	3870510	3870511
Control Panel		1	2094510	2094510	2094510
Control Label	1 SPD	1	3870512	N/A	N/A
	3 SPD		N/A	3870513	3870513
Circuit Breaker	7 AMP	1	3832902	3832902	N/A
	10 AMP		N/A	N/A	3832903
Switch	Rocker	1	3035914	N/A	N/A
	Rotary		N/A	3036751	3036751