

SURE FLAME

FN20 AIR MOVER



SPECIFICATIONS

Electrical rating ½ HP 115 volts, 60 Hz, 7.2 Amp single phase
Fan rating: 5000 CFM. 20" 22° Fan blade
Weight 70 lbs

August 1, 2020, Rev: 1

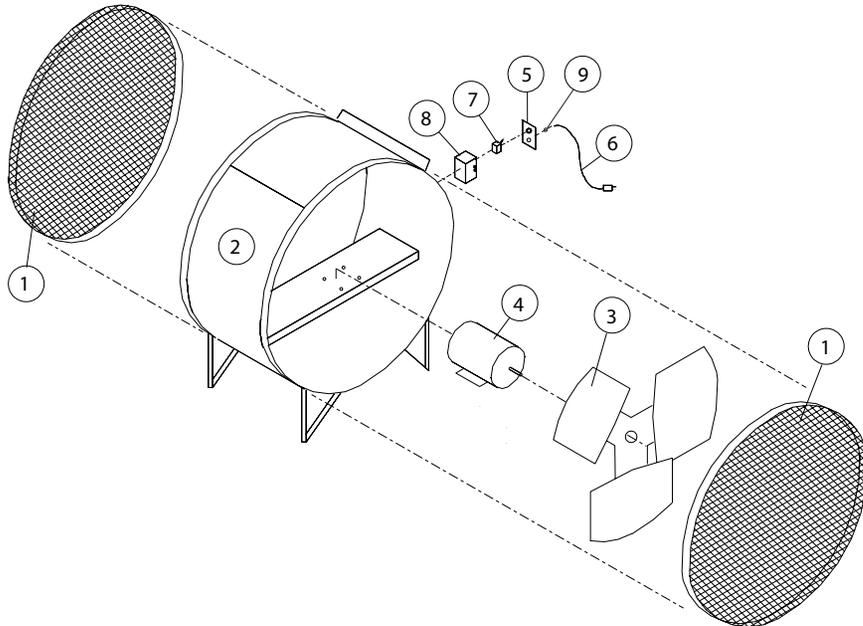
SERVICE AND MAINTENANCE MANUAL
PLEASE RETAIN FOR FUTURE REFERENCE

SURE FLAME PRODUCTS

A DIVISION OF HAUL-ALL EQUIPMENT LTD.

FN20 Air Mover Parts

Effective: Feb 26, 2013



Ref.	Part No	Description
1	FN20-51	Fan Guard
2	FN20-54	Fan Housing
3	2422	20" Fan Blade Assembly
4	2431	1/2 HP Motor
5	FN20-14	Switch Cover
6	WRS-108	Power Cord 72"
7	5954	20 A Toggle Switch
8	FN20-76	Switch Box
9	5508	Strain Relief

4115 - 18 Avenue North
Lethbridge, Alberta T1H5G1
www.sureflame.ca

FN20 AIR MOVER



GENERAL HAZARD WARNING

Failure to comply with the precautions and instructions provided with this air mover, can result in death, serious bodily injury and property loss or damage from hazards of fire, explosion, impact, and/or electrical shock.

Only persons who can understand and follow the instructions should use or service this air mover.

If you need assistance or information such as an instruction manual, labels, etc., contact the manufacturer.



WARNING

Never use the air mover in spaces which may contain volatile or airborne combustibles, or products such as gasoline. Do not operate the air mover without the fan guards.

Installation and operation

- To prevent risk of electrical short, only use this product on GFCI (Ground Fault Circuit Interrupter) protected circuits.
- Ensure the fan is in good condition before operating. Check for damaged or missing parts.
- Place on a flat stable surface to avoid tipping over.
- Allow for at least 2 feet of clearance on the intake and output from obstacles.
- Connect the fan to an appropriate power source and turn the switch on.
- Do not move unit while in operation. Disconnect from power before doing so.
- This unit is not designed for ducting. Manufacturer is not responsible for ducted performance.
- This unit is not intended for outdoor use or storage. Doing so may void warranty.

Maintenance

- Disconnect power before servicing
- Clean fan guards, motor and fan blade with cloth or compressed air. Do not pressure wash or use cleaning chemicals.
- Visually inspect the fan blade and motor. Ensure that the fan blade is not deformed or broken
- Reinstall fan guards after servicing

Troubleshooting Chart

Fan motor does not start

Fan not plugged in to active power source	Check connection/ power source
Cord is damaged	Check power cord
Faulty motor	Replace motor
Toggle switch failure	Replace switch

Motor starts but airflow is not sufficient

Plugged inlet/outlet	Clean fan guard(s)
Obstacles in the way	Make sure area around fan is clear
Deformed/damaged fan blade	Replace fan blade
Particulate build up on fan blade	Clean fan blade. Replace if not possible
Duct installed on fan	Remove duct. Fan is not designed for ducts
Fan blade loose on shaft	Tighten set screw.

Motor starts but with excessive vibration/noise

Faulty motor/motor bearings	Replace motor
Damaged fan blade	Replace fan blade
Particulate build up on fan blade	Clean fan blade. Replace if not possible
Fan blade loose on shaft	Make sure set screws are tight

Motor starts but shuts down due to overload

Faulty motor	Replace motor
Extension cable too long or too low gauge	Use shorter thicker extension cables