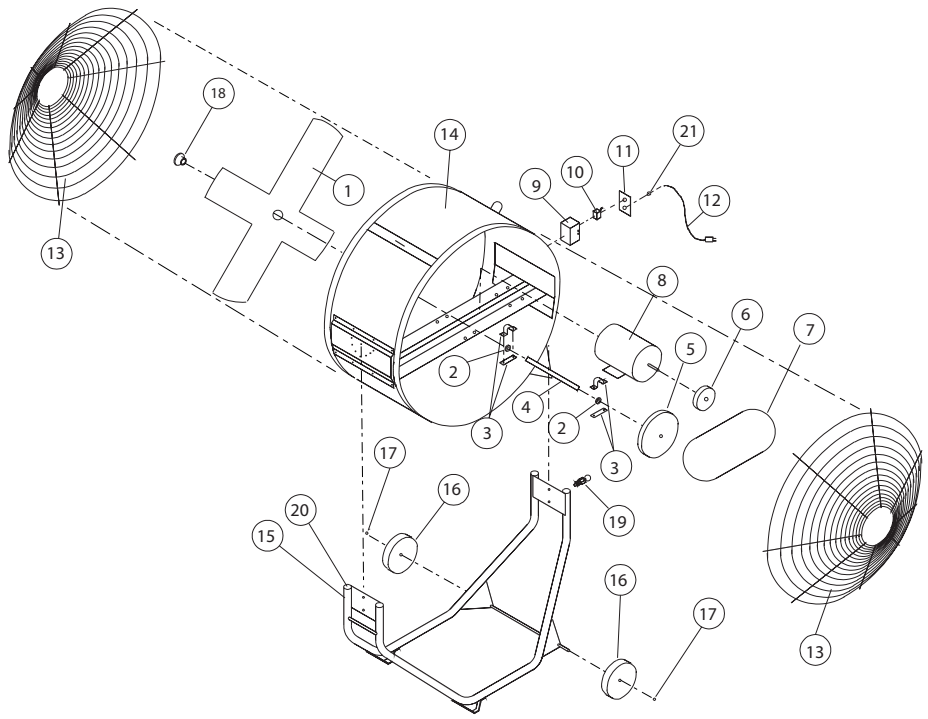
FN42C Air Mover Parts

Effective: Feb 26, 2013



Ref.	Part No.	Description	Ref.	Part No.	Description
1	5932	42" Fan Blade	11	FN20-14	Switch Cover
2	6706	Bearing Insert	12	WRS-108	72" Power Cord
3	5961	Pillow Block	13	5990	Fan Guard
4	FN42-1901	Shaft	14	FN42-702	Fan Housing
5	5958	Fan Sheave	15	FN42-511	Tubular Frame
6	5960	Motor Sheave	16	6119	8" Semi Pneumatic Wheel
7	5983	46" V Belt	17	6330	1/2" Push Nut
8	9262	1HP Motor	18	5959	Bushing
9	FN20-76	Switch Box	19	FN42-709	Pull Pin
10	5954	20A Toggle Switch	20	9412	Tubing Insert
			21	5508	Strain Relief

SURE FLAME

FN42

AIR MOVER

SPECIFICATIONS

Electrical rating 1 HP 115 volts, 60 Hz, 9 Amp single phase
Fan rating: 14000 CFM. 42” 27° Fan blade
Weight 210 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.

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FN42 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.

Troubleshooting Chart

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
Belt slipping	Tighten belt by moving the motor
Wrong sheaves installed	Ensure that the correct sheaves are installed

Motor starts but with excessive vibration/noise

Faulty motor/motor bearings/Shaft bearings	Replace motor/ Replace enclosed bearings
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
Wrong sheaves installed or switched around	Install correct sheaves and ensure their correct placement