



AES Informational Bulletin

Models & Information

Product models covered: All models of Biomass/Corn/Wood Pellet/Wood MagnuM appliances. All models of Biomass/Corn/Wood Pellet/Wood Country Flame Technology appliances.

Topic: This technical bulletin will be addressing each model of the Magnum and Country Flame lines and parts information i.e. part numbers, motors, amperage, volts, rpms, cfms.

MagnuM

Countryside

Room Fan: part# MF3541, 1500 rpms, 230 cfms, 120 volts, 1.0 amp

Auger Safety Switch: part# MF3536, Cherry switch snap action, 120 volts, Grainger# 6X292

Low Limit Safety Sensor: part# MF3537, 110°, normally open

High Limit Safety Sensor: part# MF3538, 250°, normally closed, auto-reset

Fuel Stirrer Motor: part# MF3540, 2 rpms, runs counter clockwise, 120 volts, 1.0 amp

Exhaust/Draft Blower: part# CF3542, 3000 rpms, 85 cfms, 120 volts, 1.05 amps

Exhaust/Draft Blower: (Old model) part# MF3542, 3000 rpms, 75 cfms, 120 volts, .95 amps

With high out put fan blade installed: part# MF3614, 85 cfms

Auger Motor: part# MF3573, 4.7 rpms, runs clockwise, 120 volts, 1.0 amp, 150 lbs. torque/sq inch

Wire Harness: part# P003232

Control Board: part# MF3593

5 amp fuse

Baby Countryside

AC Models

Room Fan: part# MF3541, 1500 rpms, 230 cfms, 120 volts, 1.0 amp

Low Limit Safety Sensor: part# RP2045, 110°, normally open

High Limit Safety Sensor: part# RP2050, 225°, normally closed, manual-reset

Exhaust/Draft Blower: part# CF3542, (includes MF3537), 3000 rpms, 85 cfms, 120 volts, 1.05 amps

High Output Exhaust Fan Blade: part# MF3614

Auger Motor: part# RP2022, 2 rpms, runs clockwise, 120 volts, .85 amps, 180" lb stall torque with 87" lb load

Wire Harness: part# RP2063

Control Board: part# RP2007

5 amp fuse

Igniter: part# RP2009 igniter replacement, failing point is 175 watts based on 115 line voltage = 1.52 amps, 76 Ohms

Igniter: part# BC2500 full igniter replacement, failing point is 175 watts based on 115 line voltage = 1.52 amps, 76 Ohms

Vacuum Pressure: part# RT080 Differential pressure switch, .07 actuation pressures, 5 AC volts

DC Models

Room Fan: part# RP2036, 1500 rpms, 230 cfms, 12 volts DC, 2.1 amps,

Vacuum Pressure Switch: part# RT080 Differential pressure switch, .07 actuation pressures, 5 AC

Low Limit Safety Sensor: part# RP2045, 110°, normally open

High Limit Safety Sensor: part# RP2050, 225°, normally closed, manual-reset

Exhaust/Draft Blower: part# RP2027, 3000 rpms, 65 cfms, 12 volt dc, 2.3 amps
High Output Exhaust Fan Blade: part# MF3642
Auger Motor: part# RP2020, 2 rpms, runs clockwise, .1 amps
Wire Harness: part# RP2062
Control Board: part# RP2015
5 amp fuse
Power Supply: part# RP2011, 12 DC volt output
Igniter: part# RP2009 igniter replacement, failing point is 175 watts based on 115 line voltage = 1.52 amps, 76 Ohms
Igniter: part# BC2500 full igniter replacement, failing point is 175 watts based on 115 line voltage = 1.52 amps, 76 Ohms

Winchester

AC Models

Room Fan: part# MF3541, 1500 rpms, 230 cfms, 120 volts, 1.0 amp
Auger Safety Switch: part# MF3536, Cherry switch snap action, 120 volts, Grainger# 6X292
Low Limit Safety Sensor: part# RP2045, 110°, normally open
High Limit Safety Sensor: part# RP2050, 225°, normally closed, manual-reset
Exhaust/Draft Blower: part# CF3542, (includes MF3537), 3000 rpms, 85 cfms, 120 volts, 1.05 amps
High Output Exhaust Fan Blade: part# MF3614
Auger Motor: part# RP2022, 2 rpms, runs clockwise, 120 volts, .85 amps
Wire Harness: part# RP2063
Control Board: part# RP2007
5 amp fuse
Igniter: part# RP2009 igniter replacement, failing point is 175 watts based on 115 line voltage = 1.52 amps, 76 Ohms
Igniter: part# BC2500 full igniter replacement, failing point is 175 watts based on 115 line voltage = 1.52 amps, 76 Ohms
Vacuum Pressure: part# RT080 Differential pressure switch, .07 actuation pressures, 5 AC volts

DC Models

Room Fan: part# RP2036, 1500 rpms, 230 cfms, 12 volts DC, 2.1 amps
Vacuum Pressure Switch: part# RT080 Differential pressure switch, .07 actuation pressures, 5 AC
Auger Safety Switch: part# MF3536, Cherry switch snap action, 120 volts, Grainger# 6X292
Low Limit Safety Sensor: part# RP2045, 110°, normally open
High Limit Safety Sensor: part# RP2050, 225°, normally closed, manual-reset
Exhaust/Draft Blower: part# RP2027, 3000 rpms, 65 cfms, 12 volt dc, 2.3 amps
High Output Exhaust Fan Blade: part# MF3642
Auger Motor: part# RP2020, 2 rpms, runs clockwise, .1 amps
Wire Harness: part# RP2062
Control Board: part# RP2015
5 amp fuse
Power Supply: part# RP2011, 12 DC volt output
Igniter: part# RP2009 igniter replacement, failing point is 175 watts based on 115 line voltage = 1.52 amps, 76 Ohms
Igniter: part# BC2500 full igniter replacement, failing point is 175 watts based on 115 line voltage = 1.52 amps, 76 Ohms

7500 furnace

Room Fan: part# CF25, 1/3 hp, 1075 rpms, 1250 cfms, 120 volts, 4.9 amps, 1 speed
Room Blower/Motor ONLY: part# CF33, 1/3 hp, 1075 rpms, 1250 cfms, 120 volts, 4.9 amps, 1 speed
Fan Limit Control: part# CF23, Grainer# 2E232
Low Limit Safety Sensor: part# MF3537, 110°, normally open

High Limit Safety Sensor: part# RP2050, 225°, normally closed, manual-reset
Fuel Stirrer Motor: part# MF3540, 2 rpms, runs counter clockwise, 120 volts, 1.0 amp
Exhaust/Draft Blower: part# CF3542, 3000 rpms, 85 cfms, 120 volts, 1.05 amps
Auger Motor: part# CF26, 8 rpms, runs clockwise, 120 volts, 1.3 amps
Wire Harness: part# P7730
Control Board: part# MF3593
5 amp fuse
Static Pressure: .4

6500 furnace

Room Fan: part# CF25, 1/3 hp, 1075 rpms, 1250 cfms, 120 volts, 4.9 amps, 1 speed
Room Blower/Motor ONLY: part# CF33, 1075 rpms, 1250 cfms, 120 volts, 4.9 amps, 1 speed
Low Limit Safety Sensor: part# MF3537, 110°, normally open
High Limit Safety Sensor: part# RP2050, 225°, normally closed, manual-reset
Exhaust/Draft Blower: part# CF3542, 3000 rpms, 85 cfms, 120 volts, 1.05 amps
Auger Motor: part# MF3573, 4.7 rpms, runs clockwise, 120 volts, 1.0 amp
Wire Harness: part# P7730
Control Board: part# MF3594
5 amp fuse
Vacuum Pressure: part# RT080 Differential pressure switch, .07 actuation pressures, 5 AC volts
Static Pressure: .4

Magnum ZC (Zero Clearance)

Room Fan: part# ZC-45 (kit includes fan, junction box and variable speed switch)
Room Fan Heat Sensor Kit: part # ZC-46, 110° low limit safety sensor, normally open
Room Fan Blower: part# ZC-45B (blower ONLY no speed switch)
Room fan: part# PP-1158 rpms, 120 volts, 1.3 amps, 120 cfms.
Junction box: part# P991, electrical box
Variable speed switch: part# R6E897, Grainger switch
Low Limit Safety Sensor: part# MF3537, 110°, normally open

Country Flame Line

Crossfire-04 Flex

Room Fan: part# PP-355, 1500 rpms, 160 cfms, 120 volts, 1.2 amps
Low Limit Safety Sensor: part# MF3537, 110°, normally open
Low Limit Safety Sensor: part# PP-91, 110°, normally open, ceramic
High Limit Safety Sensor: part# MF3538, 250°, normally closed, auto-reset
Exhaust/Draft Blower: part# PP-353, 3000 rpms, 79 cfms, 120 volts, 2.1 amps
Auger Motor: part# PP-535-1, 1.1 rpms, runs clockwise, ½" shaft, 120 volts, 1.0 amp
Fuel Stirrer Motor: part# PP-535-1, 1.1 rpms, runs clockwise, ½" shaft, 120 volts, 1.0 amp
Wire Harness: part# PP-1030
Control Board: part# NPS-1005-C
Chip: part# 58-0201-00
6 amp fuse
Vacuum Pressure: part# PP-352, .07" of water column

Crossfire-04 Corn

Room Fan: part# PP-355, 1500 rpms, 160 cfms, 120 volts, 1.2 amps
Low Limit Safety Sensor: part# RP2045, 110°, normally open
High Limit Safety Sensor: part# MF3538, 250°, normally closed, auto-reset
Exhaust/Draft Blower: part# PP-353, 3000 rpms, 79 cfms, 120 volts, 2.1 amps
Auger Motor: part# PP-535-1, 1.1 rpms, runs clockwise, ½" shaft, 120 volts, 1.0 amp

Fuel Stirrer Motor: part# PP-535-1, 1.1 rpms, runs clockwise, ½” shaft, 120 volts, 1.0 amp
Wire Harness: part# PP-1030
Control Board: part# NPS-1005-C
Chip: part# 58-0201-00
6 amp fuse
Vacuum Pressure: part# PP-352, .07” of water column

Crossfire-04 Pellet

Room Fan: part# PP-355, 1500 rpms, 160 cfms, 120 volts, 1.2 amps
Low Limit Safety Sensor: part# RP2045, 110°, normally open
High Limit Safety Sensor: part# MF3538, 250°, normally closed, auto-reset
Exhaust/Draft Blower: part# PP-353, 3000 rpms, 79 cfms, 120 volts, 2.1 amps
Auger Motor: part# PP-535-1, 1.1 rpms, runs clockwise, ½” shaft, 120 volts, 1.0 amp
Fuel Stirrer Motor: part# PP-535-1, 1.1 rpms, runs clockwise, ½” shaft, 120 volts, 1.0 amp
Wire Harness: part# PP-1030
Wire Harness blower: part# PP-1030-1
Control Board: part# NPS-1005-CF
Chip: part# 58-0202-00
6 amp fuse
Igniter: part# PP-664 Solid Core 200W, 1.74 amps, 66 ohms
Vacuum Pressure: part# PP-352, .07” of water column

Little Rascal

Room Fan: part# PP-355, 1500 rpms, 160 cfms, 120 volts, 1.2 amps
Low Limit Safety Sensor: part# RP2045, 110°, normally open
High Limit Safety Sensor: part# MF3538, 250°, normally closed, auto-reset
Exhaust/Draft Blower: part# PP-353, 3000 rpms, 79 cfms, 120 volts, 2.1 amps
Auger Motor: part# PP-535-1, 1.1 rpms, runs clockwise, ½” shaft, 120 volts, 1.0 amp
Wire Harness: part# PP-1030
Control Board: part# NPS-1005-P
Chip: part# 58-0200-00
6 amp fuse
Igniter: part# PP-664 Solid Core 200W, 1.74 amps, 66 ohms
Vacuum Pressure: part# PP-352, .07” of water column

Harvester

Room Fan: part# PP-355, 1500 rpms, 160 cfms, 120 volts, 1.2 amps
Low Limit Safety Sensor: part# RP2045, 110°, normally open
High Limit Safety Sensor: part# MF3538, 250°, normally closed, auto-reset
Exhaust/Draft Blower: part# PP-353, 3000 rpms, 79 cfms, 120 volts, 2.1 amps
Auger Motor: part# PP-535-1, 1.1 rpms, runs clockwise, ½” shaft, 120 volts, 1.0 amps
Fuel Stirrer Motor: part# PP-535-1, 1.1 rpms, runs clockwise, ½” shaft, 120 volts, 1.0 amps
Wire Harness: part# PP-1030
Control Board: part# NPS-1005-C
Chip: part# 58-0201-00
6 amp fuse
Vacuum Pressure: part# PP-352, .07” of water column

BBF

Low Limit Safety Sensor: part# RP2045, 110°, normally open
Rheostat 2800: part# PP-350, no on/off
Wire Harness: part# 1159
Switch SPDT Rocker: part# 58-0103-00
Fan Assemble: part# PP-574, 600 cfms

Model O2/Bay Flame Insert

Low Limit Safety Sensor: part# RP2045, 110°, normally open

Switch SPDT Rocker: part# PP-637

O2 Blower RH: part# PP-69, 3000 rpms, 120 volt, 1.0 amp, outlet size 4 ½" x 1 ½"

O2 Blower LH: part# PP-69-1, 3000 rpms, 120 volt, 1.0 amp, outlet size 4 ½" x 1 ½"

Wire Harness: part# 58-0008-00

Inglenook

Low Limit Safety Sensor: part# RP2045, 110°, normally open

Room fan: part# PP-1158(ZC-45) rpms, 120 volts, 1.3 amps, 120 cfms

Smart Fireplace Furnaces 33, 37, 42

Blower: part# PP-558,

Snap Disc ceramic: part# PP-91, 110°, normally open, ceramic

Rheostat 2800: part# PP-350, no on/off

Thermostat wall: part# PP-563

Ovation 2100, 3000

Blower Option: part# OV-6200

Low Limit Safety Sensor: part# RP2045, 110°, normally open

Rheostat 2800: part# PP-350, no on/off

Room Fan: part# PP-79, 3000 rpms, 120 volt, .9 amps