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, gasketing and more.

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, 110º, normally open
High Limit Safety Sensor: part# MF3538, 250º, 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
Door Glass Gasketing Rope, Black: part# R-131, 5/16", approximately 4'
Door Gasketing Rope, Black: part# R0080, 1/2", approximately 5'

Baby Countryside
AC Models
Room Fan: part# MF3541, 1500 rpms, 230 cfms, 120 volts, 1.0 amp
Low Limit Safety Sensor: part# RP2045, 110º, normally open
High Limit Safety Sensor: part# RP2050, 225º, 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
2 Speed Exhaust/Draft Blower: part# MF3650, 3500 rpms, 71-105 cfms, 120 volts, .5-1.3 amps
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
Door Glass Gasketing Rope, Black: part# R-131, 5/16", approximately 4'
Door Gasketing Rope, Black: part# R0080, 1/2", approximately 5'

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, 110º, normally open
High Limit Safety Sensor: part# RP2050, 225º, 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, 110º, normally open
High Limit Safety Sensor: part# RP2050, 225º, 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
2 Speed Exhaust/Draft Blower: part# MF3650, 3500 rpms, 71-105 cfms, 120 volts, .5-1.3 amps
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
Door Glass Gasketing Tape: part# R0082, 1/8" x 3/4", approximately 5'
Door Gasketing Rope: ¾", approximately 5'

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, 110º, normally open
High Limit Safety Sensor: part# RP2050, 225º, 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, 110º, normally open
High Limit Safety Sensor: part# RP2050, 225º, 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
Door Glass Gasketing Rope, Black: part# R-131, 5/16", approximately 4'
Door Gasketing Rope, Black: part# R0080, 1/2", approximately 5'

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, 110º, normally open
High Limit Safety Sensor: part# RP2050, 225º, 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
Door Glass Gasketing Rope, Black: part# R-131, 5/16", approximately 4'
Door Gasketing Rope, Black: part# R0080, 1/2", approximately 5'

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, 110º 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, 110º, normally open
Door Glass Gasketing Rope, Black: part# R-131, 5/16", approximately 9'
Door Gasketing Rope, Black: part# R-133, 3/8", approximately 7'
Door Gasketing Rope, Black: part# R0083, 3/16", approximately 2'

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, 110º, normally open

Low Limit Safety Sensor: part# PP-91, 110º, normally open, ceramic
High Limit Safety Sensor: part# MF3538, 250º, 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
Door Glass Gasketing Tape: part# R0082, 1/8" x 3/4", approximately 4'
Door Gasketing Rope, White: PP-87, ¾", approximately 5'

Crossfire-04 Corn
Room Fan: part# PP-355, 1500 rpms, 160 cfms, 120 volts, 1.2 amps
Low Limit Safety Sensor: part# RP2045, 110º, normally open
High Limit Safety Sensor: part# MF3538, 250º, 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
Door Glass Gasketing Tape: part# R0082, 1/8" x 3/4", approximately 4'
Door Gasketing Rope, White: PP-87, ¾", approximately 5'

Crossfire-04 Pellet
Room Fan: part# PP-355, 1500 rpms, 160 cfms, 120 volts, 1.2 amps
Low Limit Safety Sensor: part# RP2045, 110º, normally open
High Limit Safety Sensor: part# MF3538, 250º, 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
Door Glass Gasketing Tape: part# R0082, 1/8" x 3/4", approximately 4'
Door Gasketing Rope, White: PP-87, ¾", approximately 5'

Little Rascal
Room Fan: part# PP-355, 1500 rpms, 160 cfms, 120 volts, 1.2 amps
Low Limit Safety Sensor: part# RP2045, 110º, normally open
High Limit Safety Sensor: part# MF3538, 250º, 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
Door Glass Gasketing Tape: part# R0082, 1/8" x 3/4", approximately 5'
Door Gasketing Rope: PP-87, ¾", approximately 5'

Harvester
Room Fan: part# PP-355, 1500 rpms, 160 cfms, 120 volts, 1.2 amps
Low Limit Safety Sensor: part# RP2045, 110º, normally open
High Limit Safety Sensor: part# MF3538, 250º, 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
Door Glass Gasketing Tape: part# R0082, 1/8" x 3/4", approximately 4'
Door Gasketing Rope, White: PP-87, ¾", approximately 5'
Side Glass Gasketing Tape: part# PP-814, 1/8" x 1/2", approximately 5'

BBF
Low Limit Safety Sensor: part# RP2045, 110º, 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
Door Glass Gasketing Tape: part# R0082, 1/8" x 3/4", approximately 5'
Door Gasketing Rope: PP-87, ¾", approximately 6'
Side Glass Gasketing Tape: part# PP-814, 1/8" x 1/2", approximately 5'

Model O2/Ovation Bay Flame Insert
Low Limit Safety Sensor: part# RP2045, 110º, 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
Door Glass Gasketing Tape: part# R0082, 1/8" x 3/4", approximately 4'
Door Gasketing Rope: PP-87, ¾", approximately 5'
Side Glass Gasketing Tape: part# PP-814, 1/8" x 1/2", approximately 5'

Inglenook
Low Limit Safety Sensor: part# RP2045, 110º, normally open
Room fan: part# PP-1158(ZC-45) rpms, 120 volts, 1.3 amps, 120 cfms
Door Glass Gasketing Tape: part# R0082, 1/8" x 3/4", approximately 6'
Door Gasketing Rope: PP-87, ¾", approximately 7'

Smart Fireplace Furnaces 33, 37, 42
Blower: part# PP-558,
Snap Disc ceramic: part# PP-91, 110º, 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, 110º, normally open
Rheostat 2800: part# PP-350, no on/off
Room Fan: part# PP-79, 3000 rpms, 120 volt, .9 amps
Door Glass Gasketing Tape: part# R0082, 1/8" x 3/4", approximately 5'
Door Gasketing Rope: PP-87, ¾", approximately 5'
Side Glass Gasketing Tape: part# PP-814, 1/8" x 1/2", approximately 5'