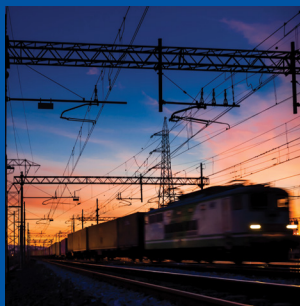
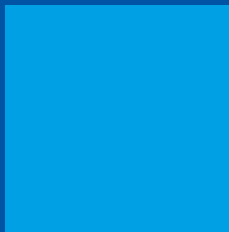




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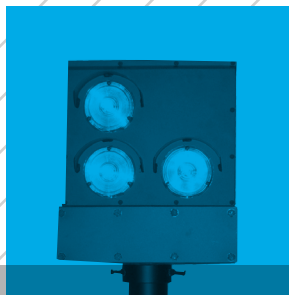


Table of Contents

Switch Heaters	07
GAS HOT AIR BLOWERS	
GHAB REPLACEMENT PARTS	
ELECTRIC HOT AIR BLOWERS	
EHAB REPLACEMENT PART	
ELECTRIC CONTROLLER MODEL 922	
ELECTRIC CONTROLLOR REPLACEMENT PARTS	
Ductwork	20
DUCTWORK	
Accessories	25
SNOW DETECTION SYSTEMS	
PROPANE PACKAGE	
PAN HEATER SYSTEM	
FIBERGLASS SWITCH COVER SYSTEM	
EZ Gate®	28
ARM GUARDS AND ADAPTORS	
LAMP KITS AND REPLACEMENT PARTS	
COMPLETE GATE ARMS	
INDIVIDUAL GATE ARMS	
INDIVIDUAL GATE ARM GUARDS AND ADAPTORS	
Signal Yard Lights.....	31
Cragg Railcharger®	32
BATTERY CHARGERS	
BATTERIES	
BATTERY VOLTAGE MONITOR	
Sno-NET®	35
SNO-NET® SUBSCRIPTIONS	
SNO-NET® HARDWARE	



Railway Equipment Company (RECo) manufactures a complete line of Track Switch Heaters, E Z Gate® Arms & LED Lamps, Battery Chargers, and Remote Asset Monitoring & Control Systems. We are focused solely on the railroad industry and no other. However, we are more than a railroad products supplier. We are remote monitoring specialist. Our solutions offer railroads the ability to remotely monitor and control trackside assets via web-based applications.

Our 35-year track record of solving our customers' toughest challenges has taught us more about the railroad industry and the pressures you face. That's why we work tirelessly to employ cutting-edge technology and business practices that help you succeed.



GAS HOT AIR BLOWER ORDER CHART

All Blowers listed below are CSA certified. Blower number generator will include all parts needed for a standard installation.

Model

950 2Hp High Profile
951 2Hp Low Profile
952 5Hp Low Profile
953 5Hp High Profile
954 3Hp Low Profile
955 3Hp High Profile
960 2Hp Bungalow
963 5Hp Bungalow
965 3Hp Bungalow

Options

0 = 3HP or 5HP using 10x10 Tie Duct
3 = Track Duct Nozzles for SNF Duct
6 = 2HP using 10x10 Tie Duct

Track Duct Length

0 = No Track Duct
1 = 10' Track Duct
2 = 20' Track Duct
3 = 30' Track Duct
4 = 40' Track Duct
5 = 15' Track Duct

Gas Assembly (LP is default setup)

3 = Dual Stage (LP Gas)
4 = Dual Stage (Natural Gas)

Outlet Duct

K = Steel Tie Duct with 115# plates 9'
N = Steel Tie Duct with 136# plates 9'
G = Steel Tie Duct with 115# plates for SNF
H = Steel Tie Duct with 136# plates for SNF
T = No Tie Duct
C = Custom Tie Duct

Incoming Power

2 - 230VAC 1PH
3 - 230VAC 3PH
4 - 460VAC 3PH
5 - 575VAC 3PH
6 - 230VAC 1PH

Sno-NET® (Optional service for additional fee)

1 - Sno-NET® Connection (Cellular Modem Incl)
2 - Sno-NET® Connection (Customer supplied Cellular Modem)
3 - Sno-NET® Connection with Wi-Fi (Cell Modem Incl, Master)
4 - Sno-NET® Connection with Wi-fi (Cust supplied Cell Modem, Master)
5 - Wi-Fi Connection (Slave)

Sno-NET® Revision Level

Blower Revision Level

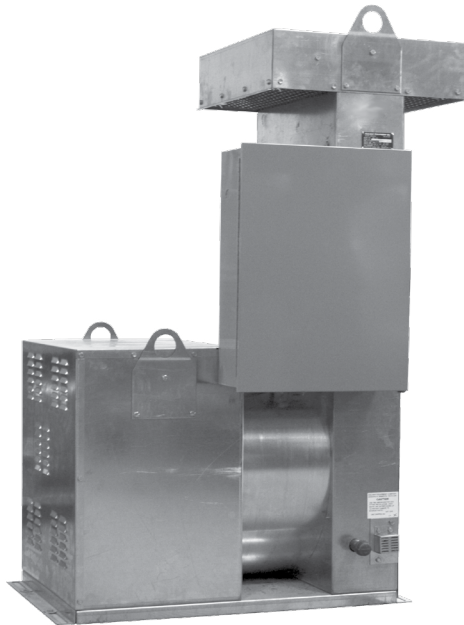
9 = Large Track Duct Nozzle

XXX X X X 9 X X X - X X

To order call 800.624.5794 or email sales@rwy.com

5

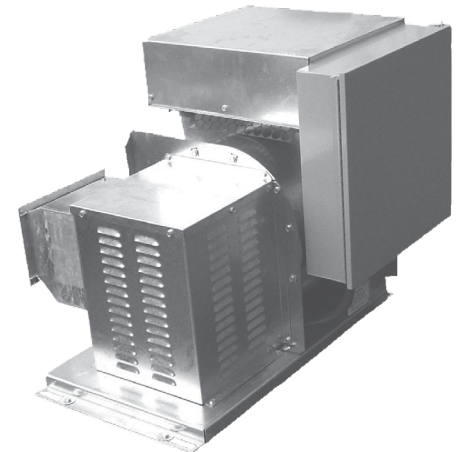
GAS HOT AIR BLOWERS



HIGH PROFILE
GAS HOT AIR BLOWER



BUNGALOW ENCLOSED
GAS HOT AIR BLOWER



LOW PROFILE
GAS HOT AIR BLOWER

950 GAS HOT AIR BLOWER - 400,000 BTU'S

2 HP // High-Profile // Propane or Natural Gas

TRACK DUCT	PART NUMBERS			
10 x 10 x 9 Tie Duct	230 VAC 1PH	230V AC Drive	460 VAC 3PH	575 VAC 3PH
None	950 x 32960	950 x 36960	950 x 34960	950 x 35960
10'	950 x 32961	950 x 36961	950 x 34961	950 x 35961
20'	950 x 32962	950 x 36962	950 x 34962	950 x 35962
30'	950 x 32963	950 x 36963	950 x 34963	950 x 35963
40'	950 x 32964	950 x 36964	950 x 34964	950 x 35964
Voltage	230 VAC, 1PH, 60Hz Center Tap Neutral	230 VAC, 1PH, 60 Hz Center Tap Neutral	460 VAC, 3 PH, 60 Hz	575 VAC, 3PH, 60 Hz
Motor	78 Amps (Starting) 11.5 Amps (Running)	14 Amps (Starting) 14 Amps (Running)	17.5 Amps (Starting) 2.9 Amps (Running)	19.5 Amps (Starting) 2.2 Amps (Running)

CSA listed U.S. and Canada
Galvanized 9' steel tie ducts
Includes quick change nozzle kits
Optional energy efficient AC drive
Optional Sno-Net®

Motor
2hp, 3450 RPM, TEFC

Combustion Rate
400,000 BTU's/hr
200,000 BTU's/hr

Flow Rate
Natural Gas: 400 CFH/200CFH
Propane: 4.4 GPH/2.2 GPH

Airflow
2000 CFM

Indication Contacts
30 VDC 1A or 125 VAC 300mA

953 GAS HOT AIR BLOWER - 900,000 BTU'S

5 HP // High-Profile // Propane or Natural Gas

TRACK DUCT	PART NUMBERS			
10 x 10 x 9 Tie Duct	230 VAC 1PH	230V AC Drive	460 VAC 3PH	575 VAC 3PH
None	953 x 32900	953 x 36900	953 x 34900	953 x 35900
10'	953 x 32901	953 x 36901	953 x 34901	953 x 35901
20'	953 x 32902	953 x 36902	953 x 34902	953 x 35902
30'	953 x 32903	953 x 36903	953 x 34903	953 x 35903
Voltage	230 VAC, 1PH, 60Hz Center Tap Neutral	230 VAC, 1PH, 60 Hz Center Tap Neutral	460 VAC, 3 PH, 60 Hz	575 VAC, 3PH, 60 Hz
Motor	128 Amps (Starting) 19.5 Amps (Running)	21 Amps (Starting) 21 Amps (Running)	47 Amps (Starting) 5.8 Amps (Running)	44 Amps (Starting) 4.8 Amps (Running)

CSA listed U.S. and Canada
Galvanized 9' steel tie ducts
Includes quick change nozzle kits
Optional energy efficient AC drive
Optional Sno-Net®

Motor
5hp, 3450 RPM, TEFC

Combustion Rate
900,000 BTU's/hr
400,000 BTU's/hr

Flow Rate
Natural Gas: 900 CFH/400CFH
Propane: 11 GPH/4.6 GPH

Airflow
3600 CFM

Indication Contacts
30 VDC 1A or 125 VAC 300mA

955 GAS HOT AIR BLOWER - 600,000 BTU'S

3 HP // High-Profile // Propane or Natural Gas

TRACK DUCT	PART NUMBERS			
10 x 10 x 9 Tie Duct	230 VAC 1PH	230V AC Drive	460 VAC 3PH	575 VAC 3PH
None	955 x 32900	955 x 36900	955 x 34900	955 x 35900
10'	955 x 32901	955 x 36901	955 x 34901	955 x 35901
20'	955 x 32902	955 x 36902	955 x 34902	955 x 35902
30'	955 x 32903	955 x 36903	955 x 34903	955 x 35903
40'	955 x 32904	955 x 36904	955 x 34904	955 x 35904
Voltage	230 VAC, 1PH, 60Hz Center Tap Neutral	230 VAC, 1PH, 60 Hz Center Tap Neutral	460 VAC, 3 PH, 60 Hz	575 VAC, 3PH, 60 Hz
Motor	86 Amps (Starting) 14.5 Amps (Running)	18 Amps (Starting) 18 Amps (Running)	37.5 Amps (Starting) 3.7 Amps (Running)	30 Amps (Starting) 3 Amps (Running)

CSA listed U.S. and Canada
Galvanized 9' steel tie ducts
Includes quick change nozzle kits
Optional energy efficient AC drive
Optional Sno-Net®

Motor
3hp, 3450 RPM, TEFC

Combustion Rate
600,000 BTU's/hr
300,000 BTU's/hr

Flow Rate
Natural Gas: 600 CFH/300CFH
Propane: 6.6 GPH/3.3 GPH

Airflow
2500 CFM

Indication Contacts
30 VDC 1A or 125 VAC 300mA



951 GAS HOT AIR BLOWER - 400,000 BTU'S

2 HP // Low- Profile // Propane or Natural Gas

TRACK DUCT	PART NUMBERS			
10 x 10 x 9 Tie Duct	230 VAC 1PH	230V AC Drive	460 VAC 3PH	575 VAC 3PH
None	951 x 32960	951 x 36960	951 x 34960	951 x 35960
10'	951 x 32961	951 x 36961	951 x 34961	951 x 35961
20'	950 x 32962	951 x 36962	951 x 34962	951 x 35962
30'	951 x 32963	951 x 36963	951 x 34963	951 x 35963
40'	951 x 32964	951 x 36964	951 x 34964	951 x 35964
Voltage	230 VAC, 1PH, 60Hz Center Tap Neutral	230 VAC, 1PH, 60 Hz Center Tap Neutral	460 VAC, 3 PH, 60 Hz	575 VAC, 3PH, 60 Hz
Motor	78 Amps (Starting) 11.5 Amps (Running)	14 Amps (Starting) 14 Amps (Running)	17.5 Amps (Starting) 2.9 Amps (Running)	19.5 Amps (Starting) 2.2 Amps (Running)

CSA listed U.S. and Canada
Stainless steel burner
Galvanized 9' steel tie outlet duct
Includes quick change nozzle kits
Optional energy efficient AC drive
Optional Sno-NET®

Motor
2hp, 3450 RPM, TEFC

Combustion Rate
400,000 BTU's/hr
200,000 BTU's/hr

Flow Rate
Natural Gas: 400 CFH/200CFH
Propane: 4.4 GPH/2.2 GPH

Airflow
2000 CFM

Indication Contacts
30 VDC 1A or 125 VAC 300mA

952 GAS HOT AIR BLOWER - 900,000 BTU'S

5 HP // Low-Profile // Propane or Natural Gas

TRACK DUCT	PART NUMBERS			
10 x 10 x 9 Tie Duct	230 VAC 1PH	230V AC Drive	460 VAC 3PH	575 VAC 3PH
None	952 x 32900	952 x 36900	952 x 34900	952 x 35900
10'	952 x 32901	952 x 36901	952 x 34901	952 x 35901
20'	952 x 32902	952 x 36902	952 x 34902	952 x 35902
30'	952 x 32903	952 x 36903	952 x 34903	952 x 35903
40'	952 x 32904	952 x 36904	952 x 34904	952 x 35904
Voltage	230 VAC, 1PH, 60Hz Center Tap Neutral	230 VAC, 1PH, 60 Hz Center Tap Neutral	460 VAC, 3 PH, 60 Hz	575 VAC, 3PH, 60 Hz
Motor	128 Amps (Starting) 19.5 Amps (Running)	21 Amps (Starting) 21 Amps (Running)	47 Amps (Starting) 5.8 Amps (Running)	44 Amps (Starting) 4.8 Amps (Running)

CSA listed U.S. and Canada
Stainless steel burner
Galvanized 9' steel tie outlet duct
Includes quick change nozzle kits
Optional energy efficient AC drive
Optional Sno-NET®

Motor
5hp, 3450 RPM, TEFC

Combustion Rate
900,000 BTU's/hr
400,000 BTU's/hr

Flow Rate
Natural Gas: 900 CFH/200CFH
Propane: 11 GPH/4.6 GPH

Airflow
3600 CFM

Indication Contacts
30 VDC 1A or 125 VAC 300mA

954 GAS HOT AIR BLOWER - 600,000 BTU'S

3 HP // Low-Profile // Propane or Natural Gas

TRACK DUCT	PART NUMBERS			
10 x 10 x 9 Tie Duct	230 VAC 1PH	230V AC Drive	460 VAC 3PH	575 VAC 3PH
None	954 x 32900	954 x 36900	954 x 34900	954 x 35900
10'	954 x 32901	954 x 36901	954 x 34901	954 x 35901
20'	954 x 32902	954 x 36902	954 x 34902	954 x 35902
30'	954 x 32903	954 x 36903	954 x 34903	954 x 35903
40'	954 x 32904	954 x 36904	954 x 34904	954 x 35904
Voltage	230 VAC, 1PH, 60Hz Center Tap Neutral	230 VAC, 1PH, 60 Hz Center Tap Neutral	460 VAC, 3 PH, 60 Hz	575 VAC, 3PH, 60 Hz
Motor	86 Amps (Starting) 14.5 Amps (Running)	18 Amps (Starting) 18 Amps (Running)	37.5 Amps (Starting) 3.7 Amps (Running)	30 Amps (Starting) 3 Amps (Running)

CSA listed U.S. and Canada
Stainless steel burner
Galvanized 9' steel tie outlet duct
Includes quick change nozzle kits
Optional energy efficient AC drive
Optional Sno-NET®

Motor

3hp, 3450 RPM, TEFC

Combustion Rate

600,000 BTU's/hr
300,000 BTU's/hr

Flow Rate

Natural Gas: 600 CFH/200CFH
Propane: 6.6 GPH/3.3 GPH

Airflow

2500 CFM

Indication Contacts

30 VDC 1A or 125 VAC 300mA

960 GHAB WITH BUNGALOW

2 HP // 400,000

TRACK DUCT	PART NUMBERS			
10 x 10 x 9 Tie Duct	230 VAC 1PH	230V AC Drive	460 VAC 3PH	575 VAC 3PH
None	960 x 32960	960 x 36960	960 x 34960	960 x 35960
10'	960 x 32961	960 x 36961	960 x 34961	960 x 35961
20'	960 x 32962	960 x 36962	960 x 34962	960 x 35962
30'	960 x 32963	960 x 36963	960 x 34963	960 x 35963
40'	960 x 32964	960 x 36964	960 x 34964	960 x 35964
Voltage	230 VAC, 1PH, 60Hz Center Tap Neutral	230 VAC, 1PH, 60 Hz Center Tap Neutral	460 VAC, 3 PH, 60 Hz	575 VAC, 3PH, 60 Hz
Motor	78 Amps (Starting) 11.5 Amps (Running)	14 Amps (Starting) 14 Amps (Running)	17.5 Amps (Starting) 2.9 Amps (Running)	19.5 Amps (Starting) 2.2 Amps (Running)

CSA listed with U.S. and Canada
Stainless steel burner
Galvanized 9' steel tie outlet duct
Includes quick change nozzle kits
Four adjustable leveling legs
Light and duplex wall outlet
Electric forced air wall heater
Optional energy efficient AC drive
Optional Sno-NET®
Optional detection system

Motor

2hp, 3450 RPM, TEFC

Combustion Rate

400,000 BTU's/hr
200,000 BTU's/hr

Flow Rate

Natural Gas: 400 CFH/200CFH
Propane: 4.4 GPH/2.2 GPH

Airflow

2000 CFM

Indication Contacts

30 VDC 1A or 125 VAC 300mA

963 GHAB WITH BUNGALOW - 900,000 BTU'S

5 HP

TRACK DUCT	PART NUMBERS			
10 x 10 x 9 Tie Duct	230 VAC 1PH	230V AC Drive	460 VAC 3PH	575 VAC 3PH
None	963 x 32960	963 x 36960	963 x 34960	963 x 35960
10'	963 x 32961	963 x 36961	963 x 34961	963 x 35961
20'	963 x 32962	963 x 36962	963 x 34962	963 x 35962
30'	963 x 32963	963 x 36963	963 x 34963	963 x 35963
40'	963 x 32964	963 x 36964	963 x 34964	963 x 35964
Voltage	230 VAC, 1PH, 60Hz Center Tap Neutral	230 VAC, 1PH, 60 Hz Center Tap Neutral	460 VAC, 3 PH, 60 Hz	575 VAC, 3PH, 60 Hz
Motor	128 Amps (Starting) 19.5 Amps (Running)	21 Amps (Starting) 21 Amps (Running)	47 Amps (Starting) 5.8 Amps (Running)	44 Amps (Starting) 4.8 Amps (Running)

CSA listed with U.S. and Canada
Stainless steel burner
Galvanized 9' steel tie outlet duct
Includes quick change nozzle kits
Four adjustable leveling legs
Light and duplex wall outlet
Electric forced air wall heater
Optional energy efficient AC drive
Optional Sno-NET®
Optional gas detection system

Motor
5hp, 3450 RPM, TEFC

Combustion Rate
900,000 BTU's/hr
400,000 BTU's/hr

Flow Rate
Natural Gas: 900 CFH/200CFH
Propane: 11 GPH/4.6 GPH

Airflow
3600 CFM

Indication Contacts
30 VDC 1A or 125 VAC 300mA

965 GHAB WITH BUNGALOW - 600,000 BTU'S

3 HP

TRACK DUCT	PART NUMBERS			
10 x 10 x 9 Tie Duct	230 VAC 1PH	230V AC Drive	460 VAC 3PH	575 VAC 3PH
None	965 x 32960	965 x 36960	965 x 34960	965 x 35960
10'	965 x 32961	965 x 36961	965 x 34961	965 x 35961
20'	965 x 32962	965 x 36962	965 x 34962	965 x 35962
30'	965 x 32963	965 x 36963	965 x 34963	965 x 35963
40'	965 x 32964	965 x 36964	965 x 34964	965 x 35964
Voltage	230 VAC, 1PH, 60Hz Center Tap Neutral	230 VAC, 1PH, 60 Hz Center Tap Neutral	460 VAC, 3 PH, 60 Hz	575 VAC, 3PH, 60 Hz
Motor	86 Amps (Starting) 14.5 Amps (Running)	18 Amps (Starting) 18 Amps (Running)	37.5 Amps (Starting) 3.7 Amps (Running)	30 Amps (Starting) 3 Amps (Running)

CSA listed with U.S. and Canada
Stainless steel burner
Galvanized 9' steel tie outlet duct
Includes quick change nozzle kits
Four adjustable leveling legs
Light and duplex wall outlet
Electric forced air wall heater
Optional energy efficient AC drive
Optional Sno-NET®
Optional gas detection system

Motor
3hp, 3450 RPM, TEFC

Combustion Rate
600,000 BTU's/hr
300,000 BTU's/hr

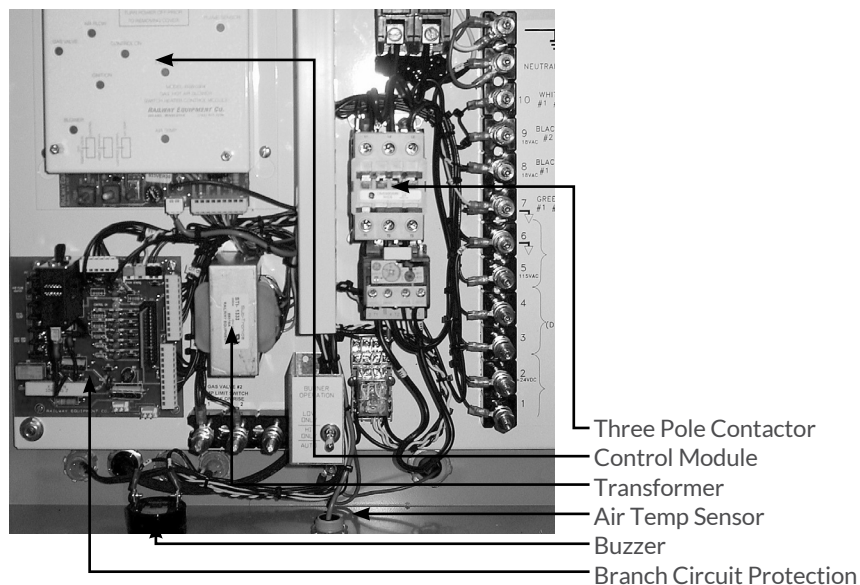
Flow Rate
Natural Gas: 600 CFH/200CFH
Propane: 6.6 GPH/3.3 GPH

Airflow
2500 CFM

Indication Contacts
30 VDC 1A or 125 VAC 300mA

GHAB REPLACEMENT PARTS

(manufactured before 2009)



CONTROL PANEL SPARE PARTS

For Models 933, 950, 951, 952, 953, 954 and 955

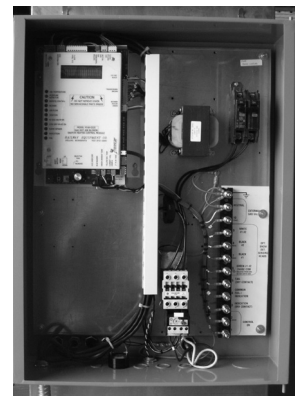
DESCRIPTION	PART NUMBERS
Control Module (Obsolete)	See Below
Three Pole Contactor (2 HP)	45124
Three Pole Contactor (3, 5 HP)	45185
Branch Circuit Protection Package with Overtemp Sensor	9338-0450
Branch Circuit Protection Package without Overtemp Sensor	9338-0460
Transformer	9338-0014
Buzzer	9338-0026
Air Temperature Sensor	9338-0200
High-Temp Sensor for Steel Tie Duct- Includes Cable	9338-0354
Fuse Board for All Blowers- Sold in Packs of 10	9338-0352

GHAB REPLACEMENT PARTS

Product Update Bulletin, GHAB Control Module (#100112) (manufactured after October 1, 2012)

DESCRIPTION	PART NUMBERS
Replacement Panel - 2 HP 230V 1 PH	9808-0120
Replacement Panel - 2 HP 460V 3 PH	9808-0420
Replacement Panel - 2 HP 575V 3PH	9808-0520
Replacement Panel - 3 HP 230V 1PH	9858-0120
Replacement Panel - 3 HP 460V 3 PH	9858-0420
Replacement Panel - 3 HP 575V 3 PH	9858-0520
Replacement Panel - 5 HP 230V 1 PH	9828-0120
Replacement Panel - 5 HP 460V 3 PH	9828-0420
Replacement Panel - 5 HP 575V 3 PH	9828-0520

*All replacement panels include an Air Temp Sensor, Rail Temp Sensor and Duct High Temp Sensor



Models covered by this bulletin:

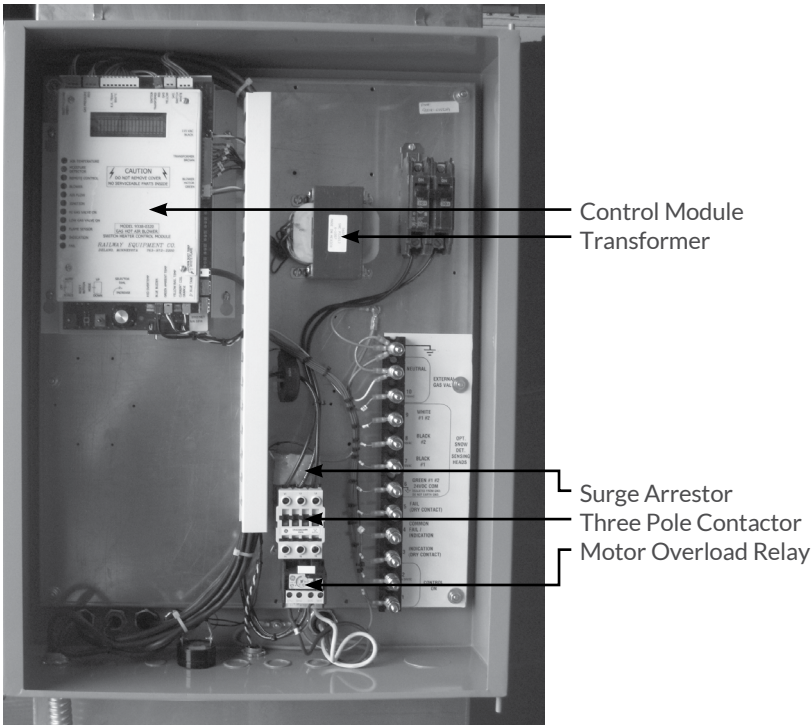
Model 933/941/950/951
2 HP Gas Hot Air Blowers,
954/955 3 HP Gas Hot
Air Blowers, 952/953 5
HP Gas Hot Air Blowers

All Gas Hot Air Blowers
with the module model #'s
9338-0300, 9338-0301,
9338-0302, 9338-0303,
9338-0304, 9338-0305
and 9338-0306

The part numbers on the
replacement panels are
listed*

GHAB REPLACEMENT PARTS

(manufactured after 2009)



SPARE CONTROL PANEL

Parts for 950 through 955 models

DESCRIPTION	PART NUMBERS
Control Module	9338-0320
Three Pole Contactor (2 HP, 230V)	45124
Three Pole Contactor (3 & 5 HP, 230V)	45185
Surge Arrestor	9338-0325
Transformer	9338-0015
Motor Overload (2 HP, 230V)	45181
Motor Overload (3 HP, 230V)	45183
Motor Overload (5 HP 230V)	45184
Air Temperature Sensor	9508-0405
Rail Temperature Sensor	9228-0625
High-Temp Sensor (8' with Thermocouple)	9508-0355
High-Temp Sensor (15' with Thermocouple)	9508-0356
High-Temp Sensor (25' with Thermocouple)	9508-0357

REPLACEMENT MOTORS

DESCRIPTION	PART NUMBERS
2 HP motor, 1 Phase, 230 V	35012
3 HP motor, 1 Phase, 230 V	35021
5 HP motor, 1 Phase, 230 V	35020
2 HP motor, 3 Phase, 230 V/460 V	35022
2 HP AC Drive Retrofit Kit, 3 Phase Motor	9508-0160
5 HP AC Drive Retrofit Kit, 3 Phase Motor	9538-0160



REPLACEMENT
REGULATOR

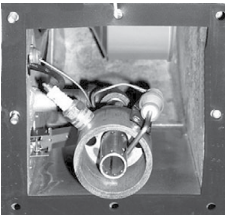
DESCRIPTION	PART NUMBERS
Low Pressure Regulator, 2 HP models	45047
Low Pressure Regulator, 3, 5 HP models	45039



REPLACEMENT BURNERS

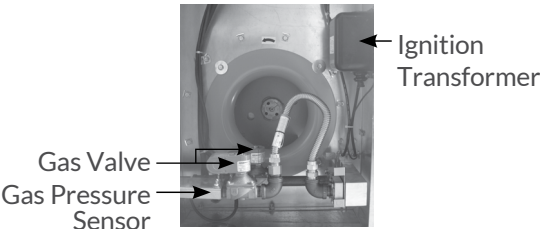
Parts for 933 and 941 models

DESCRIPTION	PART NUMBERS
Spark Ignitor	53085
Assembly, Flame Sensor Wire	9508-0295
Flame Sensor	9338-0096
Burner Tube	53012
Burner Nozzle	53030



REPLACEMENT IGNITION TRANSFORMERS AND GAS VALVES

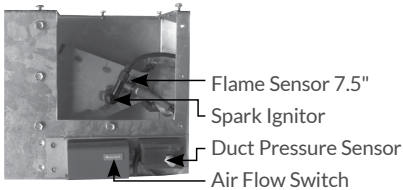
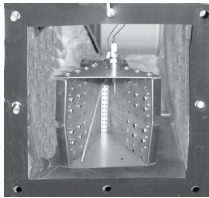
DESCRIPTION	PART NUMBERS
Ignition Transformer 60,000V	56021
Ignition Transformer 10,000V	56045
Gas Valve, 2 HP models	45035
Gas Valve, 3 & 5 HP models	45155
Gas Pressure Sensor	9338-0070
Ignition Wire	9508-0023



REPLACEMENT BURNERS

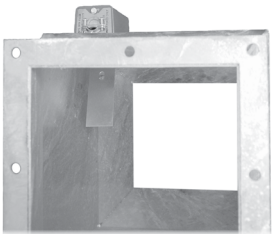
Parts for all 950 through 960 models

DESCRIPTION	PART NUMBERS
Spark Ignitor	56071
Flame Sensor Assembly 7.5"	53070
Burner, 6", 2 HP models	950140
Burner 12", 3 & 5 HP models	952140
Flame Wire	9508-0495



AIRFLOW SWITCHES

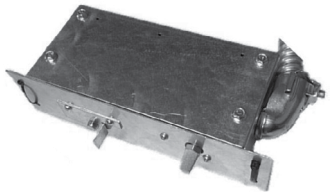
DESCRIPTION	PART NUMBERS
933, 941 Airflow Switch	9338-0132
950, 951, 952, 953, 960, 963, 965 Airflow Switch	9508-0032
954, 955 Airflow Switch	9558-0032
Duct Pressure Sensor	9338-0072



PRESSURE SWITCHES

Compatible with Gas Hot Air Blower units that have digital display. Easy plug-in replacement for Sail Style Switch; using existing connections and mounting holes.

DESCRIPTION	PART NUMBERS
2 HP Model 950	9508-0047
3 HP Model 955	9558-0047
5 HP Model 953	9538-0052



ELECTRIC HOT AIR BLOWER

50 KW, 2 HP, 240 VAC // 50 KW, 2 HP, 480 VAC

TRACK DUCT	STAGE	RAIL TYPE	PART # FOR 240VAC	PART # FOR 480VAC
None	1ph	115-119# Flat	934K1500	934K2500
		132-136# Flat	934N1500	934N2500
	3ph	115-119# Flat	934K3500	934K4500
		132-136# Flat	934N3500	934N4500
10'	1ph	115-119# Flat	934K1501	934K2501
		132-136# Flat	934N1501	934N2501
	3ph	115-119# Flat	934K3501	934K4501
		132-136# Flat	934N3501	934N4501
20'	1ph	115-119# Flat	934K1502	934K2502
		132-136# Flat	934N1502	934N2502
	3ph	115-119# Flat	934K3502	934K4502
		132-136# Flat	934N3502	934N4502
30'	1ph	115-119# Flat	934K1503	934K2503
		132-136# Flat	934N1503	934N2503
	3ph	115-119# Flat	934K3503	934K4503
		132-136# Flat	934N3503	934N4503
40'	1ph	115-119# Flat	934K1504	934K2504
		132-136# Flat	934N1504	934N2504
	3ph	115-119# Flat	934K3504	934K4504
		132-136# Flat	934N3504	934N4504

ELECTRIC HOT AIR BLOWER

60 KW, 2 HP, 240 VAC // 60 KW, 2 HP, 480 VAC

TRACK DUCT	STAGE	RAIL TYPE	PART # FOR 240VAC	PART # FOR 480VAC
None	1ph	115-119# Flat	934K1600	934K2600
		132-136# Flat	934N1600	934N2600
	3ph	115-119# Flat	934K3600	934K4600
		132-136# Flat	934N3600	934N4600
10'	1ph	115-119# Flat	934K1601	934K2601
		132-136# Flat	934N1601	934N2601
	3ph	115-119# Flat	934K3601	934K4601
		132-136# Flat	934N3601	934N4601
20'	1ph	115-119# Flat	934K1602	934K2602
		132-136# Flat	934N1602	934N2602
	3ph	115-119# Flat	934K3602	934K4602
		132-136# Flat	934N3602	934N4602
30'	1ph	115-119# Flat	934K1603	934K2603
		132-136# Flat	934N1603	934N2603
	3ph	115-119# Flat	934K3603	934K4603
		132-136# Flat	934N3603	934N4603
40'	1ph	115-119# Flat	934K1604	934K2604
		132-136# Flat	934N1604	934N2604
	3ph	115-119# Flat	934K3604	934K4604
		132-136# Flat	934N3604	934N4604

EHAB CONTROL PANELS

WATTS	VOLTS	PHASE	PART NUMBER
50KW	240V	1ph	9348-2150
		3ph	9348-2250
	480V	1ph	9348-2350
		3ph	9348-2450
60KW	240V	1ph	9348-2160
		3ph	9348-2260
	480V	1ph	9348-2360
		3ph	9348-2460

EHAB HEAT DUCTS

WATTS	VOLTS	PHASE	PART NUMBER
50KW	240V	1ph	9348-3150
		3ph	9348-3250
	480V	1ph	9348-3350
		3ph	9348-3450
60KW	240V	1ph	9348-3160
		3ph	9348-3260
	480V	1ph	9348-3360
		3ph	9348-3460



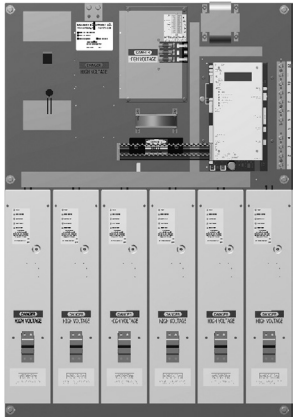
EHAB REPLACEMENTS

DESCRIPTION	VOLTS	PART NUMBER
Heater	240VAC	91504
	480VAC	91503
Motor	240/480VAC	35009
Air Temp Sensor	240/480VAC	9338-0200
Fuse	240/480VAC	51103
High-Temp Sensor Assembly	240/480VAC	9348-0004
Airflow Switch	240/480VAC	9558-0032
Control Module		9348-3501
80 Amp Contactor		45175

922 ELECTRIC SWITCH HEATER

For Electric Heaters 240VAC Single-Phase Models- 60hz. Input 28kW, 120 amps per output maximum

SWITCHES; AMPS	PART NUMBERS	SWITCHES; AMPS	PART NUMBERS
1 Switch; 150 amps	922-21-XX*	4 Switches; 600 amps	922-24-XX*
2 Switches; 300 amps	922-22-XX*	5 Switches; 750 amps	922-25-XX*
3 Switches; 450 amps	922-23-XX*	6 Switches; 900 amps	922-26-XX*



For Electric Heaters 480VAC Single Phase Models- 60hz input, 28kW, 60 amps per output maximum

SWITCHES; AMPS	PART NUMBERS	SWITCHES; AMPS	PART NUMBERS	SWITCHES; AMPS	PART NUMBERS
1 Switch; 100 amps	922-11-XX*	5 Switches; 400 amps	922-15-XX*	9 Switches; 700 amps	922-19-XX*
2 Switches; 150 amps	922-12-XX*	6 Switches; 450 amps	922-16-XX*	10 Switches; 800 amps	922-110-XX*
3 Switches; 225 amps	922-13-XX*	7 Switches; 500 amps	922-17-XX*	11 Switches; 800 amps	922-111-XX*
4 Switches; 300 amps	922-14-XX*	8 Switches; 600 amps	922-18-XX*	12 Switches; 900 amps	922-112-XX*

For Electric Heaters 480VAC 3-Phase models; 60hz input, 28kW, 60 amps per output maximum - Delta to Wye neutral conversion supplied

SWITCHES; AMPS	PART NUMBERS	SWITCHES; AMPS	PART NUMBERS	SWITCHES; AMPS	PART NUMBERS
1 Switch; 100 amps	922-3T1-XX*	5 Switches; 250 amps	922-3T5-XX*	9 Switches; 400 amps	922-3T9-XX*
2 Switches; 125 amps	922-3T2-XX*	6 Switches; 250 amps	922-3T6-XX*	10 Switches; 450 amps	922-3T10-XX*
3 Switches; 125 amps	922-3T3-XX*	7 Switches; 350 amps	922-3T7-XX*	11 Switches; 500 amps	922-3T11-XX*
4 Switches; 200 amps	922-3T4-XX*	8 Switches; 400 amps	922-3T8-XX*	12 Switches; 500 amps	922-3T12-XX*

For Electric Heaters 480 VAC 3-Phase models; 60 hz input, 28 kW, 60 amps per output maximum - 5 Wire Wye neutral

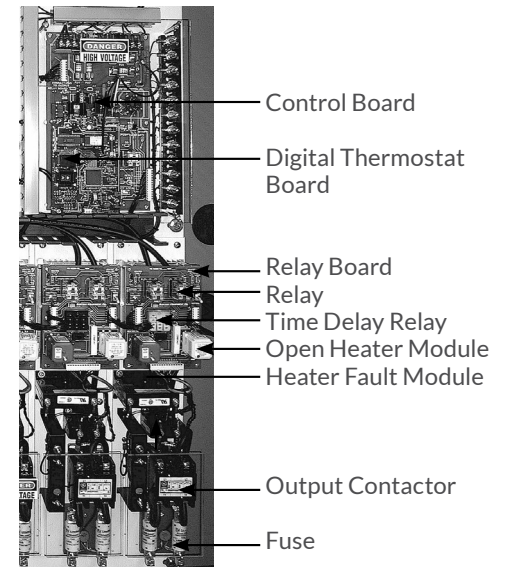
SWITCHES; AMPS	PART NUMBERS	SWITCHES; AMPS	PART NUMBERS	SWITCHES; AMPS	PART NUMBERS
1 Switch; 100 amps	922-3N1-XX*	5 Switches; 250 amps	922-3N5-XX*	9 Switches; 400 amps	922-3N9-XX*
2 Switches; 125 amps	922-3N2-XX*	6 Switches; 250 amps	922-3N6-XX*	10 Switches; 450 amps	922-3N10-XX*
3 Switches; 125 amps	922-3N3-XX*	7 Switches; 350 amps	922-3N7-XX*	11 Switches; 500 amps	922-3N11-XX*
4 Switches; 200 amps	922-3N4-XX*	8 Switches; 400 amps	922-3N8-XX*	12 Switches; 500 amps	922-3N12-XX*

922 CONTROLLER REPLACEMENT PARTS

(manufactured before 2011)

SWITCHES; AMPS	PART NUMBERS
Time Delay Relay	45007
Output Contactor	45152
Relay	4521-0400
Relay	4532-0204
SCR/Diode Package	48005
Fuse FWH 80	51.01
Fuse AGC 0.3a	5111-0100
Fuse MDA3	5111-0102
Fuse FNQ 1/2	5111-0602
Fuse PCB-3	51118
Open Heater Module	9228-0100

SWITCHES; AMPS	PART NUMBERS
Heater Fault Module	9228-0200
Air Temperature Sensor	9228-0250
Rail Temperature Sensor	9228-0600
Digital Thermostat Board Conversion Kit	9228-0106
Relay Board	9228-0300
Relay Board- Less Time Delay Relay	9228-1800
Relay Board with No Replays or Fault Modules	9228-1810
Control Board	9228-3401
Control Board for Individual Control	9228-3404
Conversion Package to Replace 9228-3000 Control Board with a 9228-3401 Control Board	9228-3901

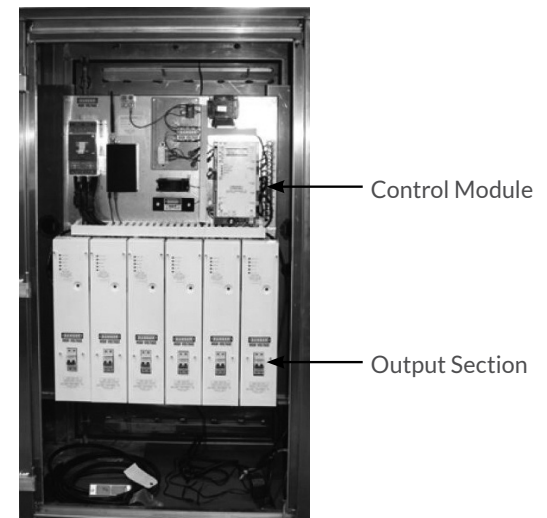


922 CONTROLLER REPLACEMENT PARTS

(manufactured after 2011)

PANEL PARTS	PART NUMBERS
Control Module	9228-3501
Air Temp	9228-0526
Main Breaker 240V 600A	51091
Main Breaker 240V 300A	51094
Main Breaker 480V	51083
Rail Temp Sensor	9508-0415
MOV 600 Vac	9228-0070
Fuse 2.5A 500V	5111-0602
Transformer	56016

OUTPUT SECTION PARTS	PART NUMBERS
Output Section 240V	9228-4005
Output Section 480V	9228-4006
Output Contactor 75A	45152
Output Contactor 30A	45209
Output Circuit Breaker 480V	45210
Output Circuit Breaker 240	45212
Output Board 240/480V	9228-3512
Output Board	9228-3512
MOV 600 Vac	48063
Rail Temp- Wireless	9227-0084



922 ENCLOSURES

For Electric Heaters

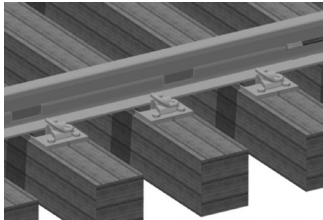
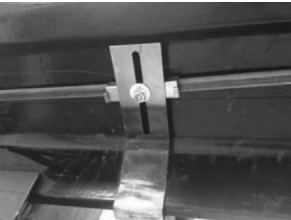
ENCLOSURE SUFFIXES	PART NUMBERS
36" x 30" x 8" Single Door Enclosure, for one or two switches. Made of steel with gray baked enamel finish for pole or wall mounting	-11
74" x 42" x 24" free-standing aluminum enclosure with front and back doors	-22
No enclosure provided- Panel for 74" x 42" x 24". Shipped crated	-5
No enclosure provided- Panel for 36" x 30" x 8" for one or two switches. Shipped crated	-6
OPTIONAL ACCESSORIES	PART NUMBERS
Rail Temperature Sensor for Control Modules 9338-0320 J and Newer with Thermocouple, 20ft.	9228-0415
Wireless Rail Temp/Point Snow Detector	9227-0084

TUBULAR ROD HEATERS

DESCRIPTION	PART NUMBERS
480V 22' 500W/ft with 10' of 6ga Leads	92224A
480V 33' 500W/ft with 10' of 6ga Leads	92225A
240V 22' 500W/ft with 10' of 6ga Leads	92214A
240V 33' 500W/ft with 10' of 6ga Leads	92215A
480V 22' Rod Heater Kit w/Jbox and Clips	9226-2022A
480V 33' Rod Heater Kit w/Jbox and Clips	9226-2033A
240V 22' Rod Heater Kit w/Jbox and Clips	9226-1022
240V 33' Rod Heater Kit w/Jbox and Clips	9226-1033
Junction Box, 6 x 6 x 6 w/23" PED Cast Alu 4 Term	92222A
Heater Spring Bracket 136#	92221A

FLAT HEATING ELEMENT KITS

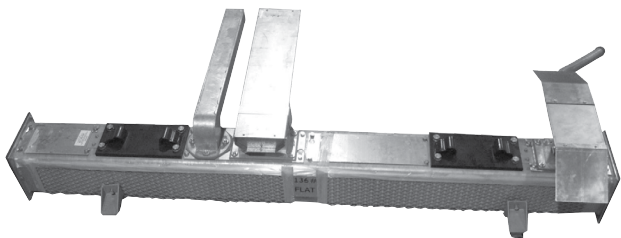
DESCRIPTION	PART NUMBERS
Assy, 240V, 300w/FT, 19' Flat Heater Kit, 136# Clips, JBox, (2) 19' Rods with Connectors	9226-2300A
Assy, 240V, 300w/FT, 8' Flat Heater Kit, 136# Clips, JBox, (2) 8' Rods with Connectors	9226-2301A
Assy, 240V, 300w/FT, 12' Flat Heater Kit, 136# Clips, JBox, (2) 12' Rods with Connectors	9226-2302A
Assy, 240V, 300w/FT, 25' Flat Heater Kit, 136# Clips, JBox, (2) 25' Rods with Connectors	9226-2303A
Assy, 240V, 400w/FT, 26' Flat Heater Kit, 136# Clips, JBox, (2) 26' Rods with Connectors	9226-2304A
Assy, 240V, 500w/FT, 26' Flat Heater Kit, 136# Clips, JBox, (2) 26' Rods with Connectors	9226-2305A
Assy, 480V, 300w/FT, 19' Flat Heater Kit, 136# Clips, JBox, (2) 19' Rods with Connectors	9226-2400A
Assy, 480V, 300w/FT, 8' Flat Heater Kit, 136# Clips, JBox, (2) 8' Rods with Connectors	9226-2401A
Assy, 480V, 300w/FT, 12' Flat Heater Kit, 136# Clips, JBox, (2) 12' Rods with Connectors	9226-2402A
Assy, 480V, 300w/FT, 31' Flat Heater Kit, 136# Clips, JBox, (2) 31' Rods with Connectors	9226-2403A
Assy, 480V, 400w/FT, 31' Flat Heater Kit, 136# Clips, JBox, (2) 31' Rods with Connectors	9226-2404A
Assy, 480V, 500w/FT, 31' Flat Heater Kit, 136# Clips, JBox, (2) 31' Rods with Connectors	9226-2405A



STEEL TIE DUCTS

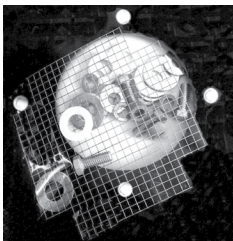
2, 3, 5 HP Models

DESCRIPTION	PART NUMBERS	
10 x 10 x 9' Tie Duct	For 2 HP, 3 HP & 5 HP Blower	
# Rail	Without Nozzles	With Nozzles
115#	9528-4605	9528-4635
136#	9528-4805	9528-4835
115# Through Duct	9528-5020	
136# Through Duct	9528-5040	



POINT NOZZLE ISOLATING KIT

DESCRIPTION	FOR MODELS	PART NUMBERS
Point Nozzle Isolating Kit	All	9278-0021
Spacer	All	28106
Isolating Washer	All	2833-9015
Gasket	All	92757
Rodent Screen	All	927701



POINT AND TRACK DUCT NOZZLES

For 2, 3, and 5 HP Models (933, 934, 941, 950-955 and 960-965)

DESCRIPTION	PART NUMBERS
Point Nozzle	93617
Large Track Duct Nozzle-Tall	927226
Small Track Duct Nozzle- Square	927175
Large Low Profile Track Duct Nozzle- Standard	927490
Duct Flex Nozzle	9278-9500
RH Point/Track Nozzle Assy- Quick Change	9508-4000
LH Point/Track Nozzle Assy- Quick Change	9508-4001
RH Outside Track Nozzle Assy	9508-4003
LH Outside Track Nozzle Assy	9508-4002



Duct Flex Nozzle



Large Track
Duct Nozzle



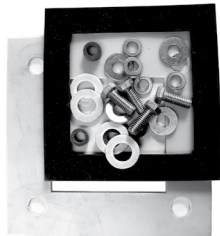
Small Track Duct
Flex Nozzle
(old work)



Point Nozzle
(left and right)

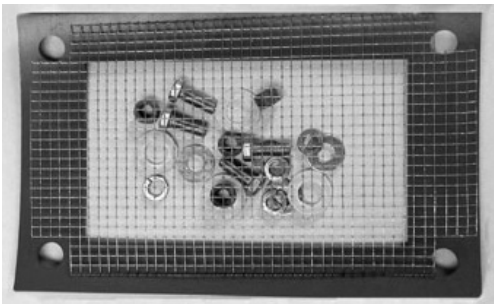
TRACK DUCT NOZZLE ISOLATING KIT SMALL

DESCRIPTION	FOR MODELS	PART NUMBERS
Track Duct Nozzle Isolating Kit-Small	All	9278-0022
Spacer	All	28106
Washer	All	2833-9015
Gasket	All	92737
Gasket	All	92758



TRACK DUCT NOZZLE ISOLATING KIT LARGE

DESCRIPTION	FOR MODELS	PART NUMBERS
Track Duct Nozzle Isolating Kit-Large	All	9278-0027
Spacer	All	28106
Isolating Washer	All	2833-9015
Gasket-Black	All	60195
Gasket	All	92759
Rodent Screen	All	927702



HEAVY DUTY DUCTWORK

For 2 HP Models (933, 934, 941, 950, 951 and 960)
1/2" Steel Base 8"

DESCRIPTION	PART NUMBERS
2.0' Heavy Duty Straight Duct- Insulated	9278-3520
3.0' Heavy Duty Straight Duc- Insulated	9278-3530
2.0' Heavy Duty Offset Duc- Insulated	9278-3402
2.0' Heavy Duty Offset Duct with Mixer- Insulated	9278-3403

HEAVY DUTY DUCTWORK

For 3, 5 HP Models (952, 953, 954 and 955)
1/2" Steel Base 9"

DESCRIPTION	PART NUMBERS
2.0' Heavy Duty Straight Duct- Insulated	9528-3520
3.0' Heavy Duty Straight Duct- Insulated	9528-3530
2.0' Heavy Duty Offset Duct- Insulated	9528-3404
2.0' Heavy Duty Offset Duct with Mixer- Insulated	9528-3402

STAINLESS STEEL FLEXIBLE TRANSITION DUCTWORK

DESCRIPTION	FOR 2 HP MODELS 8" X 8" INSIDE DIAMETER PART NUMBERS (MFD BEFORE 2009)	FOR 2, 3, AND 5 HP MODELS 9" X 9" DIAMETER PART NUMBERS
1.5' Flexible Offset Duct	9278-4102	
2.0' Flexible Offset Duct	9278-4103	
1.5' Flexible Straight Duct-Insulated	9278-4215	9528-4215
2.0' Flexible Straight Duct- Insulated	9278-4220	9528-4220
2.5' Flexible Straight Duct-Insulated	9278-4225	9528-4225
3.0' Flexible Straight Duct, Insulated	9278-4230	9528-4230
3.5' Flexible Straight Duct-Insulated	9278-4235	9528-4235
4.0' Flexible Straight Duct- Insulated	9278-4240	9528-4240
4.5' Flexible Straight Duct	9278-4245	9528-4245
5.0' Flexible Straight Duct	9278-4250	9528-4250
5.5' Flexible Straight Duct	9278-4255	9528-4255
6.0' Flexible Straight Duct	9278-4260	9528-4260
6.5' Flexible Straight Duct	9278-4265	9528-4265
7.0' Flexible Straight Duct	9278-4270	9528-4270
7.5' Flexible Straight Duct	9278-4275	9528-4275
8.0' Flexible Straight Duct	9278-4280	9528-4280
8.5' Flexible Straight Duct	9278-4285	9528-4285



FLEX/FLAME DUCT

DESCRIPTION	PART NUMBERS
950 Retrofit Kit	9508-0043

Improved flexible duct
to combat against track
vibration and pumping
Quick removable cover
Optional over temp location
Integrated mixer
New stainless steel sail switch
Isolation Gasket Kit provided

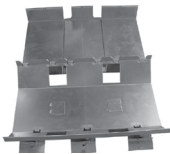
TRACK DUCT ADAPTORS

DESCRIPTION	PART NUMBERS
Track Duct Adaptor	9278-1210
Track Duct Adaptor Splice Kit- Point to Mid	9278-1209



TRACK DUCT EZ SPLICE

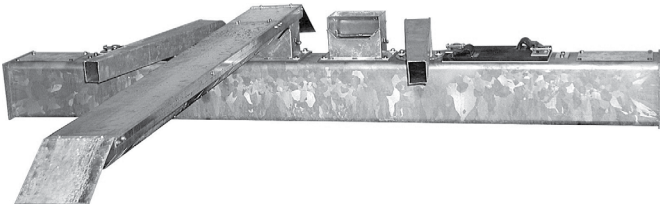
DESCRIPTION	FOR MODELS	PART NUMBER
Track Duct EZ Splice	All	9278-1220



STEEL TRACK DUCTS

All parts can be used with steel tie ducts

DESCRIPTION	PART NUMBERS
5' Track Duct, Large Nozzle, Point, Integral TD Adaptor	9278-0226
Track Duct Mid	9278-1201
Track Duct Heel	9278-1202
10' Track Duct-Large Nozzle	9278-0231
20' Track Duct- Large Nozzle	9278-0232
30' Track Duct- Large Nozzle	9278-0233
40' Track Duct- Large Nozzle	9278-0234
7' Track Duct- Large Nozzle	9278-0270
5' Track Duct- Large Nozzle, Mid	9278-0227



FLEXIBLE REPLACEMENT DUCTS

DESCRIPTION	PART NUMBERS
2.0' Flexible Duct, Red Rubber, w/Air Mixer (2 HP)	9528-4222
2.5' Flexible Duct, Red Rubber, 2/Air Mixer	9528-4224
2.0' Flexible Duct, Red Rubber, w/Air Mixer (3 & 5 HP)	9528-5222



TRACK DUCT SUPPORT BRACKET

DESCRIPTION	PART NUMBERS
Track Duct Support Kit	92774
Support Strap	92745
Support Spring	92742
Support Clip	92743
Support Base	927550



Track Duct Support Kit



Support Strap Support Clip Support Spring

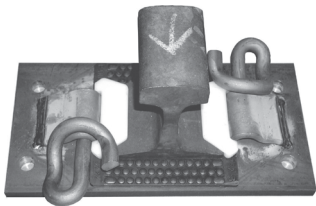
SWITCH ROD DUCT ACCESSORY KIT

DESCRIPTION	PART NUMBERS
7' Switch Rod Duct with Adaptor- Small Nozzle	9278-0209
9' Switch Rod Duct with Adaptor- Large Nozzle	9278-0274
	9278-0273
7' Switch Rod Duct with Adaptor- Large Nozzle	9278-0271
	9278-0272



E-CLIP TIE PLATES AND INSULATORS

DESCRIPTION	RAIL TYPE	PART NUMBER
E-Clip Insulating Kit- Includes: Tie Plates, Bolts and Insulators	115#	9278-4914
	136#	9278-4912
E-Clip Tie Plate	115#	927356
	136#	927355
E-Clip Pad	115#	927368
	136#	927367
E-Clip Insulator	115#/136#	927366
E-Clip	115#/136#	927248
E-Clip Tie Plate- Canted	136#	927357
E-Clip Tie Plate- Canted	115#	927358



FLANGE ADAPTOR

Connects to Tie Duct Flange and other Ductwork

DESCRIPTION	PART NUMBER
9" x 9" Flange- 10" x 10" Inside Diameter Tie Duct to Duct	9528-4109
8" x 8" Flange- 10" x 10" Inside Diameter Tie Duct to Duct	9528-4110
8" x 8" Flange- 9" x 9" Inside Diameter Tie Duct to Duct	9528-4111



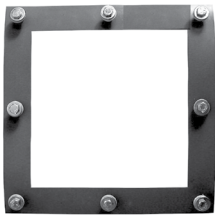
ISOLATION, BOLTS AND GASKET KITS

DESCRIPTION	FOR MODELS	PART NUMBER
Duct Bolt Kit for Lift-Out Ductwork	8" x 8"	9278-0026
	9" x 9"	9528-0074
	3 & 5 HP Tie Duct	9528-0026
Gasket for Lift-Out Ductwork	2 HP	93358
	3 & 5 HP Tie Duct	93625
	3 & 5 HP Tie Duct	95234



DUCT ISOLATER KIT

DESCRIPTION	FOR MODELS	PART NUMBER
Duct Isolator Kit	8" x 8"	9278-0106
	9" x 9"	9368-0106
Spacer	2 HP	28018
	3 & 5 HP	28018
Gasket	2 HP	92733
	3 & 5 HP	93534
Insulating Washer	2, 3 & 5 HP	2833-9006



SNOW DETECTION KIT

DESCRIPTION	PART NUMBERS
Wired Snow Detection Kit: (1) Control Unit, (x2) Three Sided Snow Detector Head, Bracket and Cord	9258-0201
Control Unit with Air Temp Sensor	9258-0106

Includes:

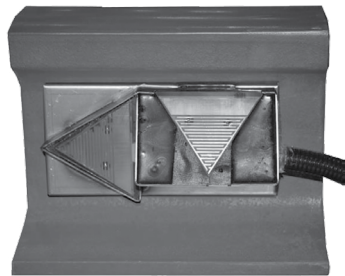


Control Unit

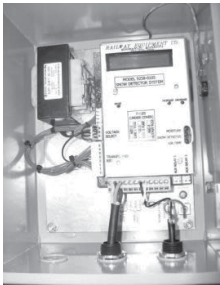
SNOW DETECTION
UNIVERSAL SYSTEM KIT

DESCRIPTION	PART NUMBERS
Wired Snow Detection Kit: (1) Control Unit, (x1) Three Sided Snow Detector Head, Bracket and Cord, (x1) Magnetic Point Detector	9258-0212
Control Unit with Air Temp Sensor	9258-0106
Magnetic Point Detector	9258-0024

Includes:



Magnetic Point Detector

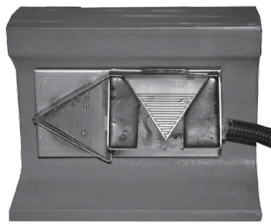


Control Unit

WIRELESS SNOW DETECTOR KIT

DESCRIPTION	PART NUMBERS
Wireless Snow Detector Kit: Rail Temp Sensor/Magnetic Point Snow Detector	9258-0204

Includes:



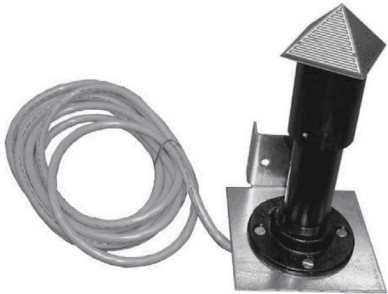
Magnetic Point Detector



Control Unit

SNOW DETECTION PACKAGES
FOR RAILWAY EQUIPMENT
COMPANY PRODUCTS

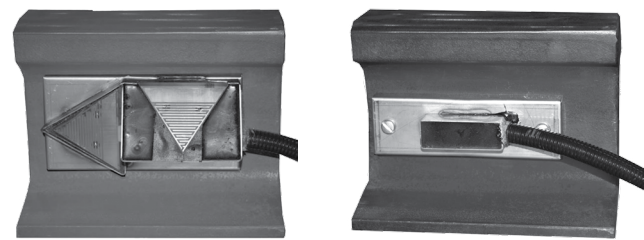
DESCRIPTION	PART NUMBERS
Snow Detector Four Sided Head, Bracket w/Detachable Cord	9258-0020



Four Sided Snow Detector

MAGNETIC RAIL SENSOR

DESCRIPTION	PART NUMBERS
Rail Temp Sensor, 20ft.	9228-0617
Rail Temp Sensor for Control Modules 9338-0320 J and Newer with Thermocouple, 20 ft.	9508-0415
Rail Temp Sensor for 922 Electric Models w/Thermocouple, 20 ft.	9228-0625
Point Snow Detector- Magnetic	9258-0024

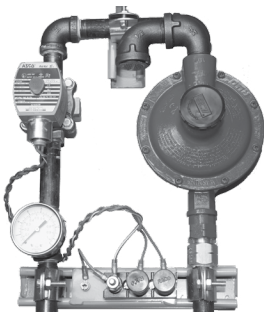


PAN HEATERS

DESCRIPTION	PART NUMBERS
2.5' Pan Heater 400 W 240V	9148-0202
2.5' Pan Heater 400W 480V	9148-0201
3.5' Pan Heater 600W 240V 25' Cable	9148-0352
3.5' Pan Heater 600W 240V 35' Cable	9148-0353
3.5' Pan Heater 600W 240V 50' Cable	9148-0354
7.0' Pan Heater 1150W 240V	9148-0702
7.0' Pan Heater 1150W 480V	9148-0701
8.5' Pan Heater 1400W 240V	9148-0862
9.0' Pan Heater 1500W 240V	9148-0902
9.0' Pan Heater 1500W 480V	9148-0901
12' Pan Heater 2000W 240V	9148-1202
12' Pan Heater 2000W 480V	9148-1201
Pan Heater Bracket Kit	9148-9001A

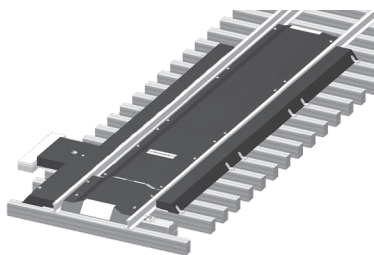
PROPANE PACKAGE

DESCRIPTION	PART NUMBER
Propane Package	9458-0100
Gauge	29040
Remote Gas Valve	45036
High Pressure Regulator	45203



FIBERGLASS SWITCH
COVER SYSTEMS

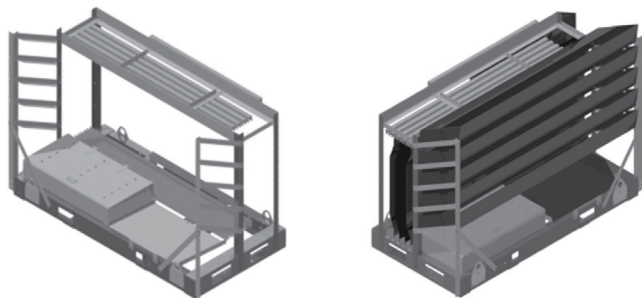
DESCRIPTION	PART NUMBERS
20' Track Duct- Center and Side Covers	9279-9020
30' Track Duct- Center and Side Covers	9279-9030
40' Track Duct- Center and Side Covers	9279-9040
Magnetic Bracket	9279915



FIBERGLASS SWITCH COVER
STORAGE RACK

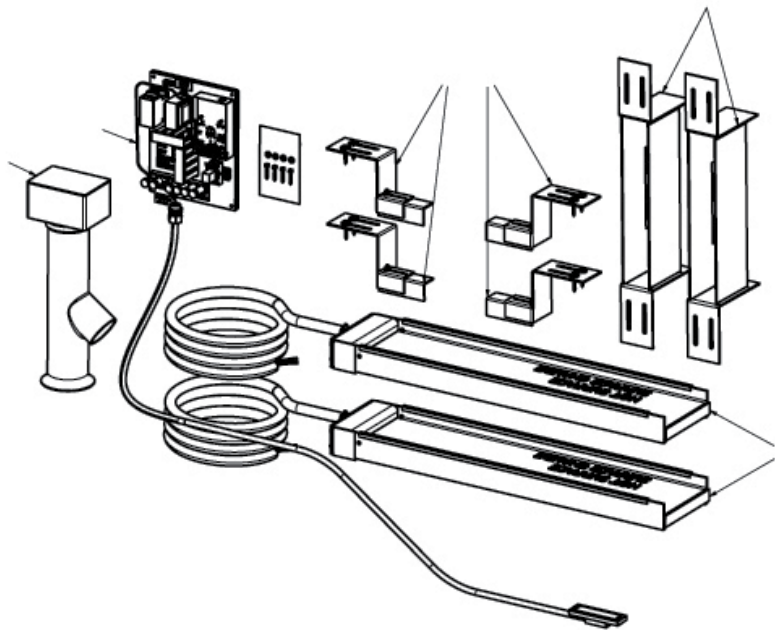
Dimensions 101.21 L x 73.52 H x 48.00 W

DESCRIPTION	PART NUMBERS
Fiberglass Switch Cover Storage Rack- Holds 20', 30' and 40' Track Cover Sections and All Hardware	9279-9000
Fiberglass Switch Side Cover Stand	9279-9002



PAN HEATER SYSTEMS

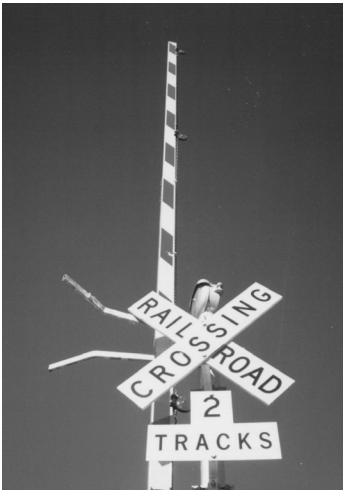
DESCRIPTION	PART NUMBERS
Two 3.5' Pan Heaters (600W, 240V, 25' cable) with Junction Box and Control Panel	9148-1602
Four 3.5' Pan Heaters (600W, 240V, 25' cable) with Junction Box and Control Panel	9148-1604
Six 3.5' Pan Heaters (600W, 240V, 25' cable) with Junction Box and Control Panel	9148-1606
Two 3.5' Pan Heaters (600W, 240V, 50' cable) with Control Panel in Enclosure	9148-1622
Four 3.5' Pan Heaters (600W, 240V, 50' cable) with Control Panel in Enclosure	9148-1624
Six 3.5' Pan Heaters (600W, 240V, 50' cable) with Control Panel in Enclosure	9148-1626



HIGH WIND ARM GUARDS

All galvanized steel construction, Adjustable, Includes 24" retaining bracket, Includes all necessary hardware

DESCRIPTION	PART NUMBERS
High Wind Arm Guard for Pedestal Mount- 5" O.D.	9298-1905
High Wind Arm Guard for Mast Mount- 5" O.D.	9298-1955



BREAKAWAY CONVERSION/ ADAPTOR SYSTEMS FOR PEDESTAL-MOUNT MECHANISMS

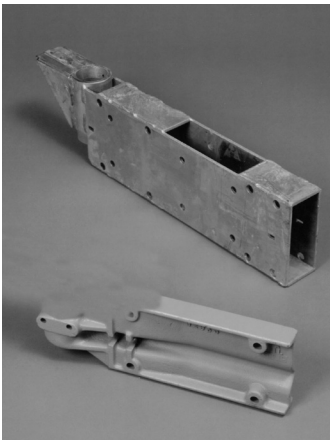
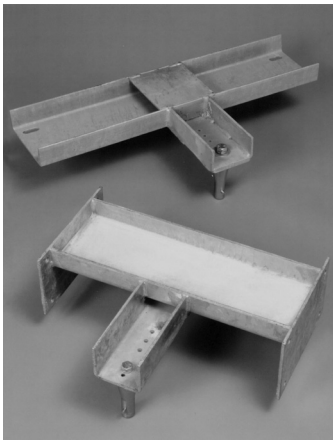
With galvanized brackets

DESCRIPTION	PART NUMBERS
Complete System with Fabricated Galvanized Steel Adaptor	9298-2701
Galvanized Conversion Bracket with Hardware	9298-1701
Fabricated Galvanized Steel Adaptor	9298-2300
Shear Bolt Kit	9298-1801
Pivot Pin	9298-0025

BREAKAWAY CONVERSION/ ADAPTOR SYSTEMS FOR MAST-MOUNT MECHANISMS

With galvanized brackets

DESCRIPTION	PART NUMBERS
Complete System with Fabricated Galvanized Steel Adaptor	9298-2700
Galvanized Conversion Bracket with Hardware	9298-1700
Fabricated Galvanized Steel Adaptor	9298-2300
Shear Bolt Kit	9298-1801
Pivot Pin	9298-0025



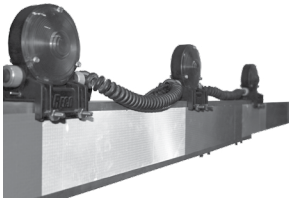
REINFORCING SLEEVES

Required with Cast Iron Adaptor Brackets

DESCRIPTION	PART NUMBERS
2' Reinforcing Sleeve	92959
4' Reinforcing Sleeve	92958
8' Reinforcing Sleeve	92961

LAMP KIT

Includes three 4" lamps, two coil cords, one straight cord and cord clamps



LAMP TYPE	PART NUMBERS
LED	9298-1120

BULK TAPE

Sold by the foot

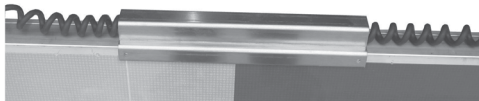
SHEETING TYPE	HAND	PART NUMBER
Diagonal Ultra-High Intensity - 1,000 Candle Reflectivity	Right Hand	929536
	Left Hand	929535
Vertical Tape	Vertical	929534

REPLACEMENT PARTS

LAMP TYPE	PART NUMBERS
2'-12' Coil Cord-Plugs at Both Ends	9298-0401
25' Straight Cord- Plug at One End	9298-0601
Cord Clamps for First Section- Bag of 10	9298-1401
Cord Clamps for Second Section- Bag of 10	9298-1402
Replacement Lens Kit- Polycarbonate	9298-0802
Tip Lamp Nut with Gasket	9298-0700
Clamping Plate with Bolts	9298-0500
Diode Tip Package XLC	9298-0900
Diode Tip Package IXC	9298-0901
E-Z Gate® Support Leg	9298-0870
Lamp Body Mount Kit	9298-0850
LED Replacement Board	9298-0325
Gate Arm Tip Sensor	9298-9820
Gate Arm Monitor System with Tip Sensor	9298-0050

CORD PROTECTOR

LAMP TYPE	PART NUMBERS
Cord Protector 12" Long	9298-0880



SINGLE LAMP

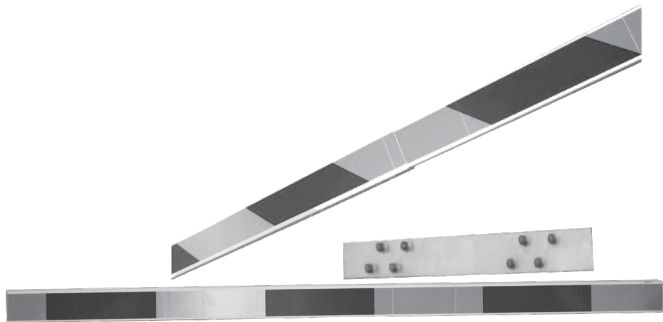
LAMP TYPE	PART NUMBERS
LED	9298-0320



COMPLETE GATE ARMS

Includes LED Lamp Kit 9298-1120, 16' Single- Section Arm

SECTION MATERIAL	SHEETING TYPE	PART NUMBER
Aluminum	Diagonal Tape	9298-6120
	Vertical Tape	9298-6150
Fiberglass	Diagonal Tape	9298-6420
	Vertical Tape	9298-6450



8' - 16' TELESCOPING ARM

Includes LED Lamp Kit 9298-1120

LENGTH	SECTION MATERIAL	SHEETING TYPE	PART NUMBER
8 feet 8 feet	Aluminum First Section, Telescoping Fiberglass Second Section	Diagonal Tape	9298-6121
		Vertical Tape	9298-6151
8 feet 8 feet	Fiberglass First Section, Telescoping Fiberglass Second Section	Diagonal Tape	9298-6421
		Vertical Tape	9298-6451

16' - 24' TELESCOPING ARM

Includes LED Lamp Kit 9298-1120

LENGTH	SECTION MATERIAL	SHEETING TYPE	PART NUMBER
16 feet 8 feet	Aluminum First Section, Telescoping Fiberglass Second Section	Diagonal Tape	9298-6122
		Vertical Tape	9298-6152
16 feet 8 feet	Fiberglass First Section, Telescoping Fiberglass Second Section	Diagonal Tape	9298-6422
		Vertical Tape	9298-6452

21' - 42' TELESCOPING ARM

Includes LED Lamp Kit 9298-1120

LENGTH	SECTION MATERIAL	SHEETING TYPE	PART NUMBER
21 feet 21 feet	Aluminum First Section, Telescoping Fiberglass Second Section	Diagonal Tape	9298-6124
		Vertical Tape	9298-6154

16' - 32' TELESCOPING ARM

Includes LED Lamp Kit 9298-1120

LENGTH	SECTION MATERIAL	SHEETING TYPE	PART NUMBER
16 feet 16 feet	Aluminum First Section, Telescoping Fiberglass Second Section	Diagonal Tape	9298-6123
		Vertical Tape	9298-6153
16 feet 16 feet	Fiberglass First Section, Telescoping Fiberglass Second Section	Diagonal Tape	9298-6423
		Vertical Tape	9298-6453

INDIVIDUAL GATE ARM SECTIONS

LENGTH	SELECTION MATERIAL	SHEET TYPE	PART NUMBER
8 feet	Aluminum First Section	Diagonal Tape	9297-0116
		Vertical Tape	9297-0119
8 feet	Fiberglass First Section	Diagonal Tape	9297-0016
		Vertical Tape	9297-0019
8 feet	Fiberglass Second Section	Diagonal Tape	9297-0216
		Vertical Tape	9297-0219
16 feet	Aluminum First Section	Diagonal Tape	9297-0106
		Vertical Tape	9297-0109
16 feet	Fiberglass First Section	Diagonal Tape	9297-0006
		Vertical Tape	9297-0009
16 feet	Fiberglass Second Section	Diagonal Tape	9297-0206
		Vertical Tape	9297-0209
21 feet	Aluminum First Section	Diagonal Tape	9297-0126
		Vertical Tape	9297-0129
21 feet	Fiberglass Second Section	Diagonal Tape	9297-0226
		Vertical Tape	9297-0229
25 feet	Fiberglass Second Section	Diagonal Tape	9297-0228

SIGNAL YARD LIGHTS

Proven regulated high output LED light source

1, 2, 3 or 4 single or double-sided lights

Five different colors- RED, AMBER, GREEN, WHITE, BLUE

Variety of light configurations

Rugged package with optional mounting stand

12/24 VDC

115V AC



SIGNAL YARD LIGHTS

If no light is selected, there will be no cut out in the sheetmetal
Powdercoat Flat Black Finish
Mount fits 3" O.D. pipe
24" Tall stand available for purchase separately (Part #929522A)

LIGHT NUMBER:
1 2 3 4

929-X-XXXX-X

1 = 1 Light Pattern	0 = No LED	1 = Single Sided 12VDC or 24VDC
2 = 2 Light Vertical Pattern	1 = Red LED with Red Lens	2 = Double Sided 12VDC or 24VDC
3 = 3 Light Triangular Pattern	2 = Amber LED with Amber Lens	3 = Single Sided 115VAC
4 = 4 Light Square Pattern	3 = Green LED with Clear Lens	4 = Double Sided 115VAC
5 = 2 Light Horizontal Pattern	4 = Blue LED with Clear Lens	
	5 = White LED with Clear Lens	
	6 = Red LED with Clear Lens	
	7 = Amber LED with Clear Lens	

1 LIGHT PATTERN

2 LIGHT VERTICAL PATTERN

3 LIGHT TRIANGULAR PATTERN

4 LIGHT SQUARE PATTERN

2 LIGHT HORIZONTAL PATTERN



ETC CRAGG RAILCHARGER®

DESCRIPTION	VOLTS NOMINAL	OUTPUT AMPERES	PART NUMBER
10ETC-12V	7-18.8	10 Amps	520710
20ETC-12V	7-18.8	20 Amps	520720
30ETC-24V	24-42.8	30 Amps	520730
40ETC-12V	7-18.8	40 Amps	520740
60ETC-12V	7-18.8	60 Amps	520760
ETC-150*	110V, 124V, 132V, 135V, 141V	10 Amps	520360V150
5EC-8V	1-9	5 Amps	520598-2

*Lead Acid Only



+/- 1% voltage regulation
Fully automatic
Temperature compensation with controlled limits
Adjustable current limits
Battery voltage monitor with relay output
AD & DC circuit transient protection
DC volt meter
DC amp meter
115/230 VAC input

DTC CRAGG RAILCHARGER®

DESCRIPTION	VOLTS NOMINAL	OUTPUT AMPERES	PART NUMBER
10DTC-12V	7-18.8	10 Amps	520910
20DTC-12V	7-18.8	20 Amps	520920
30DTC-24V	24-42.8	30 Amps	520930
40DTC-12V	7-18.8	40 Amps	520940
60DTC-12V	7-18.8	60 Amps	520960



+/- 1% voltage regulation
Fully automatic
Temperature compensation with controlled limits
Ethernet and USB ports for monitoring and configuration
Adjustable current limit
Battery voltage monitor with relay output
2 x 20 OLED display- reads voltage, current, temperature and settings
AC & DC circuit transient protection

SMC CRAGG RAILCHARGER®

DESCRIPTION	VOLTS NOMINAL	OUTPUT AMPERES	PART NUMBER
10SMC-12V	7-18.8	10 Amps	520810
20SMC-12V	7-18.8	20 Amps	520820
30SMC-24V	24-42.8	30 Amps	520830
40SMC-12V	7-18.8	40 Amps	520840
60SMC-12V	7-18.8	60 Amps	520860



+/- .25% voltage regulation
Power factor > .95
Universal input of 90-264 VAC, 47-63 Hz
Fully automatic
Temperature compensation with controlled limits
Ethernet and USB ports for monitoring and configuration
Adjustable current limit
Battery voltage monitor with relay output
2 x 20 OLED display- reads voltage, current, temperature and settings
AC & DC circuit transient protection

DEKA® UNIGY II BATTERIES

CELL TYPE	AMP HR	RATINGS IN AMPERES AT 77°F (25°C) TO 1.75 V.P.C.				1.78 V.P.C.				1.81 V.P.C.			
		8 HR	10HR	24 HR	100HR	8 HR	10HR	24 HR	100HR	8 HR	10HR	24 HR	100HR
AVR45-9	183	22.9	19.2	9.17	2.42	22.6	19.0	9.05	2.41	22.4	18.7	8.98	2.39
AVR45-13	274	34.3	28.8	13.8	3.63	34.0	28.5	13.6	3.62	33.5	28.0	13.5	3.59
AVR45-15	320	40.0	33.6	16.0	4.23	39.6	33.2	15.8	4.22	39.1	32.7	15.7	4.19
AVR45-23	503	62.9	52.8	25.2	6.65	62.3	52.2	24.9	6.63	61.5	51.4	24.7	6.58
AVR45-31	686	85.7	72.0	34.4	9.07	84.9	71.1	33.9	9.04	83.8	70.1	33.7	8.98

CELL TYPE	AVR45 SINGLE CELL CAN DIMENSIONS							
	LENGTH		WIDTH		HEIGHT		WEIGHT	
	IN.	MM.	IN.	MM.	IN.	MM.	LB.	
AVR45-9	3.75	95.1	6.70	170.1	16.11	409.1	42	19
AVR45-13	5.25	133.2	6.70	170.1	16.11	409.1	58	26
AVR45-15	6.00	152.3	6.70	170.1	16.11	409.1	66	30
AVR45-23	9.00	228.5	6.70	170.1	16.11	409.1	98	44
AVR45-31	12.00	304.7	6.70	170.1	16.11	409.1	130	59



Container and Cover: Impact-resistant polypropylene 28% L.O.I. (Optional)
Separators: Microporous glass mat
Plates formed with IPFTM technology to assure consistent cell to cell performance
Shipped at 100% Capacity
Cycle Life: 2400 cycles @ 20% DOD
Modules coated and protected with a thick layer of powdered epoxy
Terminals: Lead plated solid copper

BATTERY/VOLTAGE MONITORS - SERIES 2

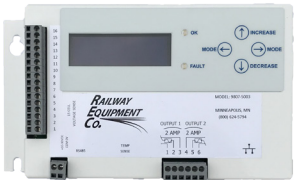
DESCRIPTION	PART NUMBER
Two Channel Battery Monitor	520603-2V150
One Channel Battery Monitor	520603-1V48A
Current Sensor, +120A to -120ADC	520603-32
Temperature Sensor, Type T Thermocouple	520603-22



Input power: 10-48VDC 2.5 watts constant
Voltage sense range channel 1: 10-48VDC
Output channel 1: over under set points programmable time delay
Voltage sense range channel 2: 1-150VDC
Current sense range channel 2: -120ADC to +120ADC
Temperature sense range channel 2: -40 to 300F, -40 to 150C
Output channel 2: over under set points programmable time delay

BATTERY CELL MONITOR

DESCRIPTION	PART NUMBER
MCM-Master	9807-5003A-2VA
MCMC-Master-LV	9807-5002-2VA
MCMC-Master-HV	9807-5002-12VA
MCM-Slave	9807-5005A
MCMC-Slave-LV	9807-5006-2VA
MCMC-Slave-HV	9807-5006-12VA
Current Shunt	9803-1102A



SNO-NET® REMOTE ASSET MANAGEMENT

Offering Remote Monitoring capabilities on a wide variety of products*

SNO-NET® SUBSCRIPTION OPTIONS	PART NUMBER	Allows for fewer train delays More timely repairs and maintenance More trains on schedule Proactive asset management Centralized storage of maintenance records
Sno-Net® Three Year Service with Weather Watcher	9809-0050	
Sno-Net® Lifetime Service with Weather Watcher	9809-0051	
Camera Basic Three Year Service	9809-0800	

SINGLE UNIT GHAB OPTIONS	PART NUMBER
Cell Modem Kit (Customer Supplied Modem), Battery Backup, Use with REV J Module	9807-0013
Cell Modem Kit (Customer Supplied Modem), Battery Backup, Supplied with REV J Module, Includes: Duct/Overtemp Sensor and Air Temp Sensor	9807-0113
Cell Modem Kit -Verizon Cell Modem, Battery Backup, Use with 9338-0320 REV J Module	9807-0003
Cell Modem Kit- Verizon Cell Modem, Battery Backup, Supplied with 9338-0320 REV J Module, Includes: Duct/Overtemp Sensor and Air Temp Sensor	9807-0114

MULTI-UNIT GHAB OPTIONS	PART NUMBER
WiFi Kit- Battery Backup, 1/4 Mile Range, Use with 9338-0320 REV J Module	9807-1002D
WiFi Kit- Battery Backup, 1/4 Mile Range, Supplied with 9338-0320 REV J Module, Includes: Duct/Overtemp Sensor and Air Temp Sensor	9807-0115C
Cell Modem with WiFi (Customer Supplied Modem), Battery Backup, 1/2 Mile Range, Three Ethernet Ports, Use with REV J Module	9807-0033
Cell Modem with WiFi (Customer Supplied Modem), Battery Backup, 1/2 Mile Range, Three Ethernet Ports, Supplied with REV J Module, Includes: Duct/Overtemp Sensor and Air Temp Sensor	9807-0117
Cell Modem with WiFi- VZW USA, Battery Backup, 1/2 Mile Range, three Ethernet Ports, Use with REV J Module	9807-1005
Cell Modem with WiFi- VZW USA, Battery Backup, 1/2 Mile Range, three Ethernet Ports, Supplied with REV J Module, Includes: Duct/Overtemp Sensor and Air Temp Sensor	9807-0116

ACCESSORIES	PART NUMBER
Router Kit- Camera, Three Port Microtik Router, 2 ft. Ethernet Cable and Mounting Hardware	9807-0040
Cell Modem Booster Kit	9807-0020
Bungalow Cell/WiFi Antenna Ext. Cable with Gland Plates Kit	9807-0021
PTZ Camera, 10 ft. Mast, Mounting Hardware for 2 HP GHAB, Requires Three Year Subscription (9809-0800)	9800-0020
PTZ Camera, 10 ft. Mast, Mounting Hardware for Bungalow, Includes Three Year Subscription (9809-0080)	9800-0027

