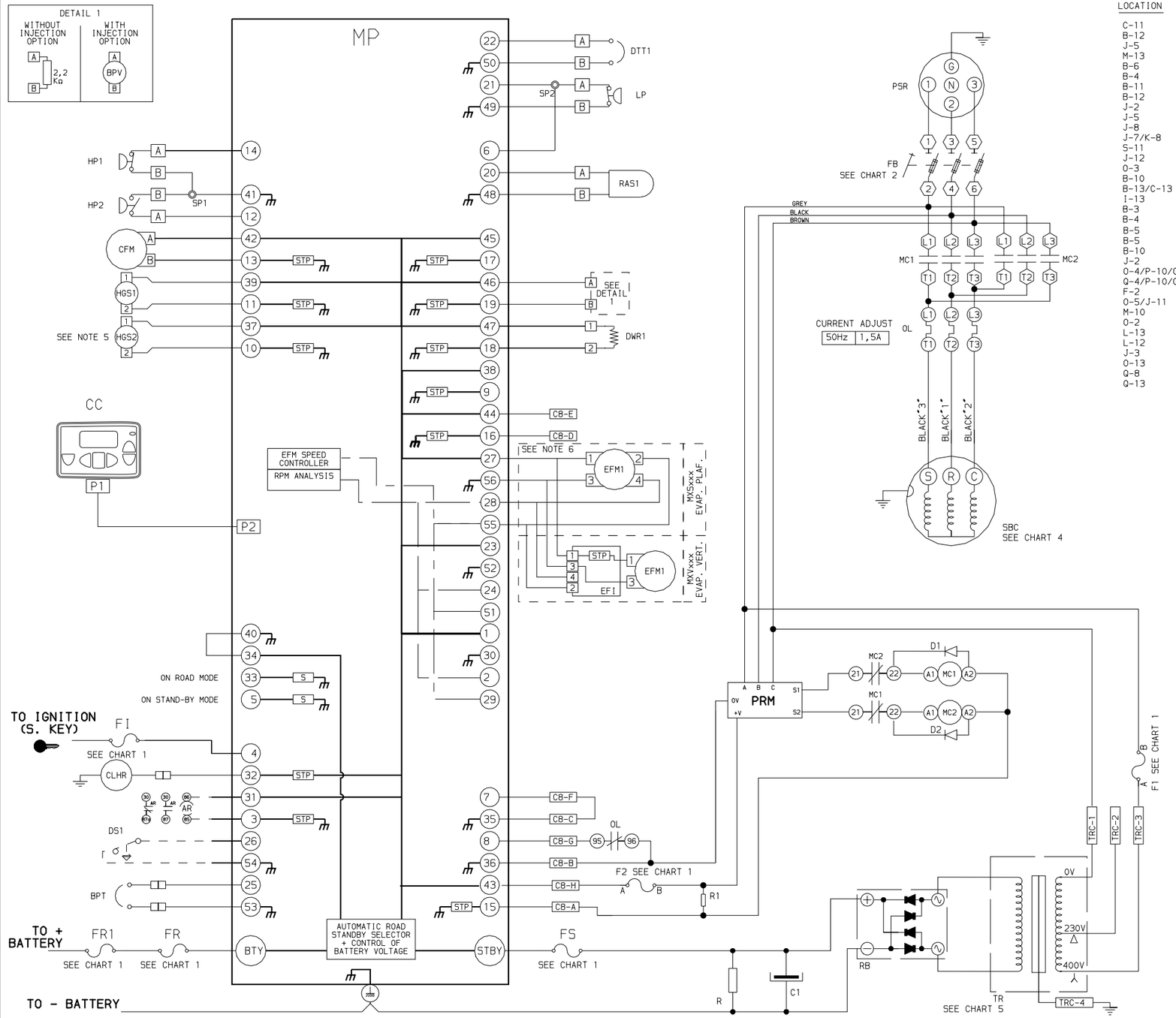
# XARIOS 150-200

# ROAD 12VDC 24VDC SEE NOTE 4 400V/3/50HZ

Carrier TRANSICOLD




| LOCATION | SYMBOL | DESCRIPTION | LOCATION IN FRAME |
|---|---|---|---|
| C-11 | AR | ALARM RELAY (OPTION) | STANDBY BOX |
| B-12 | BPT | INJECTION KLIXON | ROAD COMPRESSOR |
| J-5 | BPV | INJECTION VALVE SOLENOID | EVAPORATOR |
| M-13 | C1 | CAPACITOR (SMOOTHING) | STANDBY BOX |
| B-6 | CC | CAB COMMAND | CAB |
| B-4 | CFM | CONDENSER FAN MOTOR | CONDENSER |
| B-11 | CLHR | ROAD ELECTROMAGNETIC CLUTCH | ENGINE COMPARTMENT |
| B-12 | DS1 | DOOR SWITCH (OPTION) | EXTERNAL |
| J-2 | DTT1 | DEFROST KLIXON | EVAPORATOR |
| J-5 | DWR1 | DRAIN WATER RESISTOR (OPTION) | EVAPORATOR |
| J-8 | EFI | EVAPORATOR FANS INTERFACE | EVAPORATOR |
| J-7/K-8 | EFM1 | EVAPORATOR FANS MOTORS | EVAPORATOR |
| S-11 | F1 | FUSE FOR PRIMARY SOLENOID TRANSFORMER | STANDBY BOX |
| J-12 | F2 | FUSE FOR PRM PROTECTION | STANDBY BOX |
| O-3 | FB | FUSE BLOCK | STANDBY BOX |
| B-10 | FI | FUSE IGNITION | ENGINE COMPARTMENT |
| B-13/C-13 | FR1,FR | FUSE ROAD (DC VOLTAGE) | CONDENSER |
| I-13 | FS | FUSE STANDBY (DC VOLTAGE) | STANDBY BOX |
| B-3 | HP1 | SECURTITY SWITCH PRESSURE | CONDENSER |
| B-4 | HP2 | REGULATION PRESSURE SWITCH FOR FAN CONDENSER | CONDENSER |
| B-5 | HGS1 | HOT GAZ SOLENOID DEFROST | CONDENSER |
| B-5 | HGS2 | HOT GAZ SOLENOID HEATING (OPTION) | CONDENSER |
| B-10 | IGNITION | SWITCH KEY INFORMATION | ENGINE COMPARTMENT |
| J-2 | LP | LOW PRESSURE SWITCH | EVAPORATOR |
| O-4/P-10/O-10 | MC1 | MOTOR CONTACTOR 1 | STANDBY BOX |
| Q-4/P-10/O-9 | MC2 | MOTOR CONTACTOR 2 | STANDBY BOX |
| F-2 | MP | MICROPROCESSOR BOARD | CONDENSER |
| O-5/J-11 | OL | OVERLOAD RELAY | STANDBY BOX |
| M-10 | PRM | PHASE REVERSAL MODULE | STANDBY BOX |
| O-2 | PSR | POWER SUPPLY RECEPTACLE | EXTERNAL |
| L-13 | R | RESISTOR FOR DISCHARGE C1 | STANDBY BOX |
| L-12 | R1 | RESISTOR OF SIMULATION | STANDBY BOX |
| J-3 | RAS1 | RETURN AIR SENSOR | EVAPORATOR |
| O-13 | RB | RECTIFIER BRIDGE | CONDENSER |
| Q-8 | SBC | STANDBY COMPRESSOR | CONDENSER |
| Q-13 | TR | TRANSFORMER | CONDENSER |

NOTES :

1. UNIT SHOWN "OFF" POSITION.
2. WIRE IDENTIFICATION SYSTEM:
   COLOUR: WHITE - DC CONTROL CIRCUITS — ORANGE - AC CIRCUIT
   GREEN - DC GROUNDS — GREEN/YELLOW- AC EARTH
   RED - POSITIVE BATTERY CIRCUIT — GREY - AC CIRCUITS PHASE1
   BLACK - NEGATIVE BATTERY CIRCUIT — BLACK - AC CIRCUITS PHASE2
   BROWN - AC CIRCUITS PHASE3
3. ADDRESS SYSTEM: EXAMPLE: MP-43/C8-A, INDICATES A WIRE BETWEEN MICROPROCESSOR MP (PIN43) AND PLUG C8 (PIN A).
4. IN 24 VDC, POWER COMPONENTS (BPV, CFM, CLHR, DWR1, EFM1, FUSES, HGS1-2, MC, PRM, TR) ARE MODIFIED FOR 24VDC SUPPLY VOLTAGE.
5. FOR OPTION HEATING HOT GAZ
6. ACCORDING TO EVAPORATOR CONFIGURATION.

INDICATES A SOLDERED SPLICE POINT.
PIN CONNECTION. LIGHT LINES INDICATES WIRES IN THE SYSTEM.
NORMALLY CLOSED CONTACTS.
NORMALLY OPEN CONTACTS.
MULTIPLE PLUG CONNECTION NUMBER.
JUNCTION BLOCK CONNECTION
SWITCH SYMBOL INDICATES MOMENTARY CONTACTS.
INDICATES A WIRE GROUND.
INDICATES A CHASSIS GROUND (NO WIRE).
INDICATES OPTIONS.
INDICATES A CONNECTION,WIRE,LUG,ETC.
INSULATING PLUG
COMPONENT CONNECTION NUMBER OR LETTER.
STP SWITCH THERMAL PROTECTOR (TOPFET)
S SWITCH

| CHART 1 | FI | FR | FR1 | FS | F1 | F2 |
|---|---|---|---|---|---|---|
| +BAT = +12V | 1A | 30A | 40A | 30A | 3.15AT | 2A |
| +BAT = +24V | 1A | 20A | 40A | 20A | 3.15AT | 2A |

| CHART 2 | FB |
|---|---|
| f = 50Hz | 4AaM |

| CHART 4 | SBC |
|---|---|
| XARIOS 150 - 200 | 0.85KW |

| CHART 5 | TR 12V | TR 24V |
|---|---|---|
| XARIOS 150 - 200 | 300VA | 300VA |

STANDARD

OPTION — ALARM, DOOR SWITCH, DRAIN WATER RESISTOR

DATE : 16/03/04 | N : 62-61384 | REV:A | SH:1/1