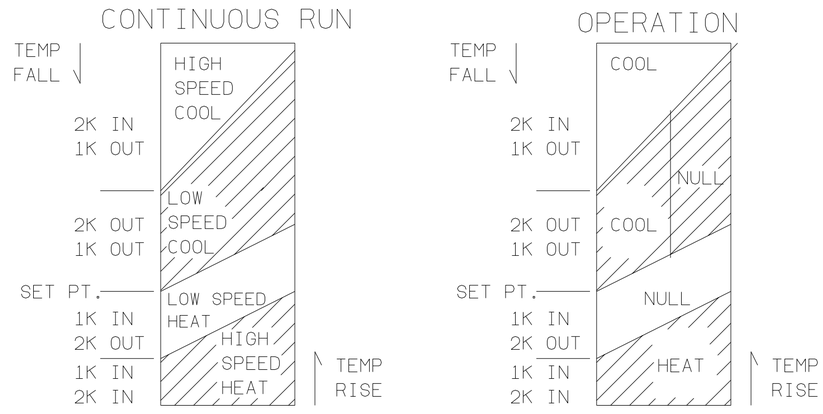
LEGEND		AREA
A	AMMETER (OPT)	10
AS	AIR SWITCH	43
ATS	AMBIENT TEMP SWITCH (OPT)	39
CB1,2	CIRCUIT BREAKER	10,10
C1-3	CAPACITOR	11,17,20
DR1-2	DEFROST RELAY	38,49
DS	DAMPER SOLENOID	49
D1-22(R)	DIODES (R - REMOTE)	4,7,15 15,16,17,18,21 29,29,31,32,34,39, 40,46,49,57
ER	ELECTRIC RELAY	19,29
ERR	ENGINE RESET RELAY	30,35
ETS	ELECTRONIC DEFROST TERMINATION THERMOSTAT	43
FI	FUSE 60A	10
FP	FUEL PUMP	22
FPR	FUEL PUMP RELAY	5,23
FS	FUEL SOLENOID	18
FSR	FUEL SOLENOID RELAY	18,19
FSRT	FUEL SOLENOID RELAY TIMER	19
GP	GLOW PLUGS	4
HC	HEATER CONTACTOR (OPT)	38,63
HIT	HEAT INITIATION TIMER	39
HMD	HOURMETER - DIESEL	20
HME	HOURMETER - ELECTRIC (OPT)	26
HMT	HOURMETER - TOTAL UNIT HOURS (OPT)	56
HPCO	HIGH PRESSURE CUTOUT SWITCH	21
HS	HEAT SOLENOID	39
HTK	HIGH TEMPERATURE CUTOUT SWITCH	38
HTS	HIGH TEMPERATURE SENSOR (EEC ONLY)	37
HWT	HIGH WATER TEMPERATURE SWITCH	28
LOP	LOW OIL PRESSURE SWITCH - ENGINE	27
LPCO	LOW PRESSURE CUTOUT SWITCH	20
MC1,2	MOTOR CONTACTOR	26,27,28,60
MSR	STARTER RELAY - MANUAL	7,9
OL	OVERLOAD RELAY	26,60
OR	ON RELAY (OPTIONAL)	11,12
PHR	PREHEAT RELAY (OPTIONAL)	5,13
PHS	PHASE SELECTOR (OPTIONAL)	58
PL	PILOT LIGHTS (R - REMOTE)	
	1 - UNIT SHUTDOWN	(RED) 9
	2 - ALTERNATOR FAULT	(YELLOW) 15
	4R - COOL MODE (OPT)	(WHITE) 31
	5R - POWER CORD WARNING (OPT)	(RED) 32,57
	6R - HIGH SPEED MODE (OPT)	(BLUE) 33
	7R - HEAT MODE (OPT)	(AMBER) 39
	8 - DEFROST MODE	(YELLOW) 51
	9R - DEFROST MODE (OPT)	(TAN)
PR1,2	PHASE RELAY (OPT)	27,28,57,58
PS	PILOT SOLENOID	40
R1-11(R)	RESISTORS (R - REMOTE)	9,15,51,57
SDM	SHUT DOWN MODULE (OPT)	58
SDR	SHUT DOWN RELAY (OPT)	20,56
SM	STARTER MOTOR	9
SR	STARTER RELAY (OPT)	6,14
SS	STARTER SOLENOID	8
SWR	SAFETY SWITCH RELAY	10,29
S	SWITCHES (R - REMOTE)	
	1a-d,1R - PREHEAT/START (OPT)	3,8,14
	2,2R - ON/OFF (OPT)	10,12
	3a-dR - DIESEL/ELECTRIC	20,27,29,32
	5,5R - MANUAL DEFROST	42,43
	7R - ON/OFF SW RECPT BOX	10
TCM	TEMPERATURE CONTROL MODULE	45
	1K - THERMOSTAT RELAY HEAT/COOL	29,45
	2K - THERMOSTAT RELAY HIGH SPEED	32,46
TS	THROTTLE SOLENOID	32
UR	UNLOADING RELAY (OPT)	16,17
UT	UNLOADING TIMER (OPT)	17
VR	VOLTAGE REGULATOR	16

(RELAYS SHOWN IN LOW SPEED COOL - POWER OFF)

THERMOSTAT RELAY SEQUENCE



* USED WITHOUT REMOTE BODY BOX
*** USED WITH REMOTE BODY BOX

THERMO KING CORPORATION
MINNEAPOLIS, MINNESOTA USA

(5D44874)

DRAWING NUMBER 5D44875 REV C

PROE_DD DXF_

DIAGRAM-SCHEM
MD, KD, RD, TD, SDZ
STD 3PH

SCALE NONE SHEET 1 OF 2

DRAWN	BCR	DATE 12/14/94
CHECKED	BCR	2/17/95
APPROVED	-	-
APPROVED	CRT	1/14/95

THIS PRINT SUPERSEDES ANY OF EARLIER DATE DESTROY SAME

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REVISIONS

65330	BCR	01/09/95	CRT	A
RELEASED				
76523	RES	01/21/00	RAO	B
REDRAWN ON PROE				
78101	RAO	12/08/00	-	C

CHG FUSE LINK TO FI FUSE 60A, REROUTE SENS WIRE TO STARTER

CONTINUED FROM SHEET 1

CONTINUED FROM SHEET 1

8 7K 8H 8HB 26 8XA HTS (EEC ONLY) 8XA 30 HTS (EEC ONLY) TO CH 26A CH 7EA 62

30A CH

8H 26 26 HC 30 HTK (USA ONLY) CH

DR1 D11 (OPTIONAL)

(OPTIONAL) PL7R

HL A CHA

ATS (R502, R403B & R404A ONLY)

26 HS

8H DR 11A 26 HIT 26A PS CH

D22 D12

(R502, R403B & R404A ONLY) CH

S5 11 12

(OPTIONAL) *** S5R 11 12 12 ETS CH

AS

SENSOR D13

12 14T 1K CH

TCM TG-V 11 8HB 7K 10T 2K D14 CH CH

29T

29

8 DR2 29A 29 DS D15

PL8 29 R8 29R

(OPTIONAL) PL9R 29 T

(OPTIONAL) 8 HMT CH CH

8H SDR

PR1 SDM OR PHS (OPTIONAL) PR2 8H ER CH ER PC D9R PL5R (OPTIONAL) R5R ACC TO VEHICLE ACCESSORY TERMINAL

3PH POWER G X Y Z GRN/ GRN-YEL BRN BLU RED

GRN/GRN-YEL CH CH

MC2 (OPTIONAL) MC1

L1/BRN L1A T1/BRN

L2/BLU L2A T2/BLU

L3/RED L3A T3/RED

3PH A.C. MOTOR

HC (OPTIONAL) H2/BLU 4 2 H1/BRN H3/RED 1 5 6 3

LOW VOLTAGE CONNECTION 220/230 VAC

H2/BLU EVAP HEATERS (OPTIONAL) H1/BRN H3/RED

HIGH VOLTAGE CONNECTION 380/460 VAC

SDZ
1 PHASE ONLY

CH

1 PHASE POWER G GRN X L1 L1A OL BLK Y L2 L2A L2B OL WHT T1 RED MC

1PH A.C. MOTOR

HC (OPTIONAL) H1 H2 MC 1 4 2 5

EVAP HEATERS (OPTIONAL)

MD 1 PHASE SHOWN FOR 208V

MD 1 PHASE ONLY 7EA HME 62 7EA CH

208/230 1 PHASE POWER G GRN GRN GRN GRN GRN X L1 L1A L1C T1 Y L2 L2A L2A T2 MC L2B OL T2 T2 T2 T1 T1 T1 3PHASE A.C. MOTOR

HC (OPTIONAL) H1 H2 L1A L1C 230 VAC H1 L1B H3 208 VAC L2A H4 TF X1 X2 X3 X4 T3 T3A T3 T3 T2 MC 7EA MSR 7EC MSC CH CR 7EB C4 MSR CH T2A T3E T3F CH T2A T2A

C7 370 VAC 60 F R14 MSC T31 R12 T3C T3C C5 T3E T3E T3F

R15 C8 370 VAC 60 F T3B T3F T3E

400-480 MFD 250 VAC

T3D C6 T3F T3F R13

200/230 VOLTS 3PH 60HZ

T12 T10 T11 T4 T5 T6 T7 T8 T9 T1 T2 T3 T1 T2 T3

380/460 VOLTS 3PH 50/60HZ

T12 T10 T11 T4 T5 T6 T7 T8 T9 T1 T2 T3 T1 T2 T3

220 VOLTS 3 PH 50HZ

T7 T8 T9 T4 T5 T6 T12 T10 T11 T1 T2 T3 T1 T2 T3

380 VOLTS 3PH 50HZ 6 LEAD MOTOR

W2 U2 V2 U1 V1 W1 BRN BLU RED

220 VOLTS 3PH 50HZ 6 LEAD MOTOR

W2 U2 V2 U1 V1 W1 BRN BLU RED

MD 230/208 VOLTS 1PH(3PH MOTOR) 60HZ

T4 T5 T6 T12 T11 T10 T1 T7 T2 T8 T3 T9 T1 T1 T3E T3F T2A T2

JD & SDZ 230 VOLTS 1PH 60HZ

T4 T1 T5 T8 BLK WHT RED

THERMO KING CORPORATION MINNEAPOLIS, MINNESOTA USA

DRAWING NUMBER 5D44875 REV C

DIAGRAM-SCHEM MD KD RD TD SDZ 50 STD 3PH

SCALE NONE SHEET 2 OF 2

DRAWN BCR DATE 12/14/94

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