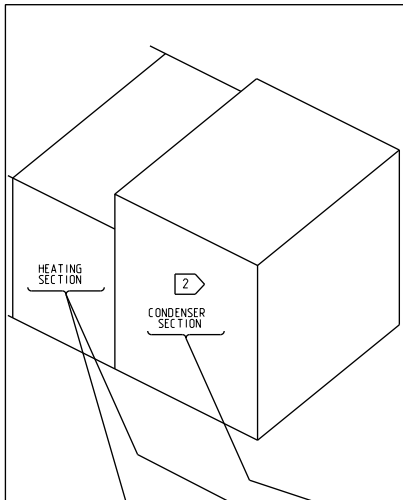




DANFOSS VARIABLE FREQUENCY DRIVE PROGRAMMING PARAMETERS			
MENU	PARAMETER	DESCRIPTION	SETTING
LOAD/MOTOR	1-21	MOTOR POWER	SET ONLY FOR APPLICATIONS USING 3HP HIGH EFFICIENCY MOTORS
	1-22	MOTOR VOLTAGE	SET ONLY FOR 200/230V 60HZ 380/415V 50HZ APPLICATIONS
	1-24	MOTOR CURRENT	SET BASED ON MOTOR NAMEPLATE
	1-25	MOTOR NOMINAL SPEED	1800 RPM
	1-73	FLYING START	ENABLED
	2-01	DC BRAKE CURRENT	0%
REFERENCE / RAMP	3-15	REFERENCE 1 SOURCE	ANALOG INPUT 53
	3-41	RAMP 1 RAMP UP TIME	30 SECONDS
	3-42	RAMP 1 RAMP DOWN TIME	30 SECONDS
LIMITS / WARNINGS	4-12	MOTOR SPEED LOW LIMIT	22HZ
	4-18	CURRENT LIMIT	100% RATED CURRENT
DIGITAL I/O	5-40(0)	FUNCTION RELAY 1	NO ALARM
	5-40(1)	FUNCTION RELAY 2	RUNNING
SPECIAL FUNCTIONS	14-01	SWITCHING FREQUENCY	4.5KHZ
	14-12	FUNCTION AT MAINS IMBALANCE	DERATE
	14-20	RESET MODE	AUTOMATIC RESET X 3
	14-60	FUNCTION AT OVER TEMPERATURE	DERATE

FUSE REPLACEMENT TABLE												
CONDENSER FAN FUSE 1F1 THRU 1F6 CLASS RK5	UNIT VOLTAGE	200	230	380	415	460	575					
	TIME DELAY	25A	25A	15A	15A	15A	15A					
CONTROL POWER FUSE												
CONTROL (1T1) TRANSFORMER RATING		0.25 KVA	0.30 KVA	0.50 KVA	0.75 KVA	1.00 KVA	1.50 KVA					
1F7 CLASS CC - TYPE FNQ-R	20-30 TON	6.25A	6.25A	--	10A	--	--					
	40 TON	15A	20A	--	20A	--	--					
	50-60 TON	--	--	15A	--	20A	--					
	70-75 TON	--	--	--	--	15A	20A					
ELECTRIC HEAT FUSE	4F19 THRU 4F36, 4F46, 47, 48				CLASS K5		60A					
COMPRESSOR PROTECTION FUSE	1F44 & 1F45				TYPE MTH		6A					
TRANSFORMER CIRCUIT FUSE	1F72 THRU 1F74				TYPE FNQ-R		15A					
STANDARD MOTORS												
VFD PROTECTION FUSES	UNIT VOLTAGE	FUSE RATING	1.5 HP	3 HP	5 HP	7.5 HP	10 HP	15 HP	20 HP	25 HP	30 HP	40 HP
OPTIONAL SUPPLY FAN 20 THRU 75 TON 1F57-1F59	200V/60/3	600V	15A	35A	45A	70A	100A	150A	175A	225A	225A	400A
	230V/60/3	600V	15A	25A	45A	70A	80A	125A	150A	200A	225A	350A
	380V/50/3	600V	10A	15A	30A	50A	60A	90A	110A	125A	125A	N/A
	415V/50/3	600V	10A	15A	30A	45A	50A	90A	100A	125A	125A	N/A
	460V/60/3	600V	10A	15A	25A	35A	40A	70A	80A	100A	125A	175A
	575V/60/3	600V	10A	15A	15A	25A	30A	40A	50A	60A	90A	100A
HIGH EFFICIENCY MOTORS												
OPTIONAL EXHAUST / RETURN FAN 20 THRU 75 TON 1F63-1F65 (CLASS "T" FUSES)	UNIT VOLTAGE	FUSE RATING	1.5 HP	3 HP	5 HP	7.5 HP	10 HP	15 HP	20 HP	25 HP	30 HP	40 HP
	200V/60/3	600V	N/A	40A	45A	80A	100A	125A	175A	225A	225A	350A
	230V/60/3	600V	N/A	25A	45A	60A	90A	125A	150A	175A	225A	300A
	460V/60/3	600V	N/A	15A	25A	35A	45A	60A	90A	110A	125A	150A
	575V/60/3	600V	10A	15A	15A	25A	30A	40A	50A	60A	90A	100A
HIGH EFFICIENCY MOTORS												
OPTIONAL CONVENIENCE OUTLET FUSE 1F55 AND 1F56 (TIME DELAY TYPE FNQ-R FUSE)	200V/60/3	230V/60/3	380V/50/3	415V/50/3	460V/60/3	575V/60/3						
	12A	10A	N/A	N/A	5A	4A						

CUSTOMER CONNECTION WIRE RANGE						
NOTES	UNITS WITH MAIN POWER TERMINAL BLOCK (ALL VOLTAGES)			UNITS WITH MAIN POWER DISCONNECT SWITCH (ALL VOLTAGES)		
	BLOCK SIZE	WIRE QTY.	CONNECTOR WIRE RANGE	DISCONNECT SIZE	WIRE QTY.	CONNECTOR WIRE RANGE
	335 AMP	(1)	#6 - 350 MCM	100 AMP	(1)	#14 - 1/0
	760 AMP	(2)	#6 - 500 MCM	250 AMP	(1)	#4 - 350 kcmil
	840 AMP	(2)	#2 - 600 MCM	400 AMP	(1) OR	#1 - 250 kcmil OR
			600 AMP	(2)	250-500 MCM	
			1000 AMP	(3)	3/0 - 500 kcmil	

NOTES
A. BLOCK SIZE & DISCONNECT SIZE ARE CALCULATED BY SELECTING THE SIZE GREATER THAN OR EQUAL TO 1.15 X (SUM OF UNIT LOADS). SEE UNIT LITERATURE FOR UNIT LOAD VALUES.

WARNING

HAZARDOUS VOLTAGE!

DISCONNECT ALL ELECTRIC POWER INCLUDING REMOTE DISCONNECTS AND FOLLOW LOCK OUT AND TAG PROCEDURES BEFORE SERVICING. INSURE THAT ALL MOTOR CAPACITORS HAVE DISCHARGED STORED VOLTAGE. UNITS WITH VARIABLE SPEED DRIVE, REFER TO DRIVE INSTRUCTIONS FOR CAPACITOR DISCHARGE.

FAILURE TO DO THE ABOVE BEFORE SERVICING COULD RESULT IN DEATH OR SERIOUS INJURY.

AVERTISSEMENT

TENSION DANGEREUSE!

COUPER TOUTES LES TENSIONS ET OUVRIR LES SECTIONNEURS A DISTANCE. PUIS SUIVRE LES PROCEDURES DE VERROUILLAGE ET DES ETIQUETTES AVANT TOUTE INTERVENTION. VERIFIER QUE TOUTS LES CONDENSATEURS DES MOTEURS SONT DECHARGES. DANS LE CAS D'UNITES COMPORTANT DES ENTRETIENMENTS A VITESSE VARIABLE, SE REPORTER AUX INSTRUCTIONS DE L'ENTRAÎNEMENT POUR DECHARGER LES CONDENSATEURS.

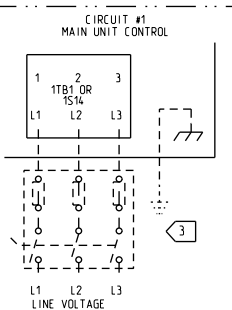
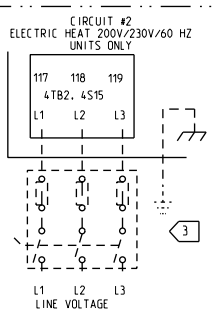
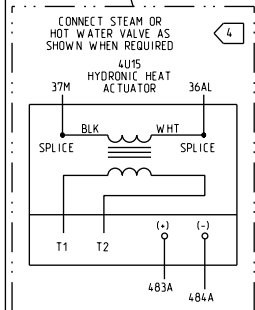
NE PAS RESPECTER CES MESURES DE PRECAUTION PEUT ENTRAINER DES BLESSURES GRAVES POUVANT ETRE MORTELLES.

ADVERTENCIA

¡VOLTAJE PELIGROSO!

DESCONECTE TODA LA ENERGIA ELECTRICA, INCLUIDO LAS DESCONEXIONES REMOTAS Y SIGA LOS PROCEDIMIENTOS DE CIERRE Y ETIQUETADO ANTES DE PROCEDER AL SERVICIO. ASEGURESE DE QUE TODOS LOS CAPACITORES DEL MOTOR HAYAN DESCARGADO EL VOLTAJE ALMACENADO. PARA LAS UNIDADES CON EJE DE DIRECCION DE VELOCIDAD VARIABLE, CONSULTE LAS INSTRUCCIONES PARA LA DESCARGA DEL CONDENSADOR.

EL NO REALIZAR LO ANTERIORMENTE INDICADO, PODRA OCASIONAR LA MUERTE O SERIAS LESIONES PERSONALES.



AREA	LOCATION
1	INSIDE UNIT CONTROL BOX
2	CONDENSER SECTION
3	AIR HANDLER SECTION
4	HEATING SECTION
5	EXTERNAL FIELD MOUNTED DEVICE

CAUTION

USE COPPER CONDUCTORS ONLY!

UNIT TERMINALS ARE NOT DESIGNED TO ACCEPT OTHER TYPES OF CONDUCTORS.

FAILURE TO DO SO MAY CAUSE DAMAGE TO THE EQUIPMENT.

PRECAUCIÓN

N'UTILISER QUE DES CONDUCTEURS EN CUIVRE!

LES BORNES DE L'UNITÉ NE SONT PAS CONÇUES POUR RECEVOIR D'AUTRES TYPES DE CONDUCTEURS.

L'UTILISATION DE TOUT AUTRE CONDUCTEUR PEUT ENDOMMAGER L'EQUIPEMENT.

ATTENTION

UTILICE ÚNICAMENTE CONDUCTORES DE COBRE!

LAS TERMINALES DE LA UNIDAD NO ESTÁN DISEÑADAS PARA ACEPTAR OTROS TIPOS DE CONDUCTORES.

SI NO LO HACE, PUEDE OCASIONAR DAÑO AL EQUIPO.

IMPORTANT!
DO NOT ENERGIZE UNIT UNTIL CHECK-OUT AND START-UP PROCEDURE HAS BEEN COMPLETED.

