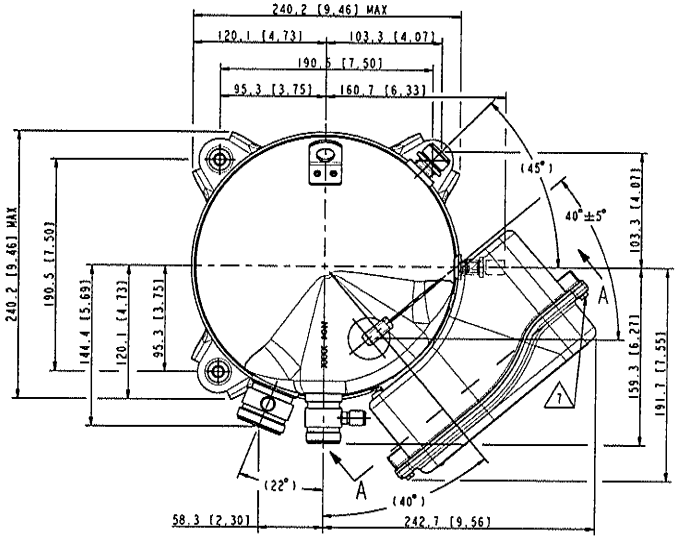
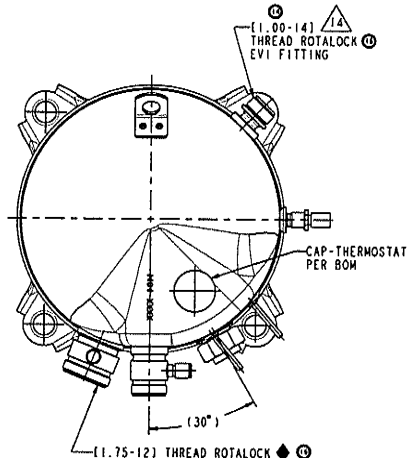
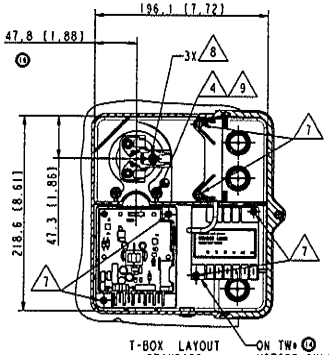
PART NUMBER	MODEL NUMBER	A	B	C	D	E	F	G_	H	SHEET
497-0897-02	ZF34/41K5E	533.6 [21.01]	501.8 [19.76]	393.3 [15.48]	277.3 [10.92]	OMIT	140.3 [5.53]	93.0 [3.66]	93.0 [3.66]	SHEET 1
497-0897-03	ZFD41K5E	533.6 [21.01]	501.8 [19.76]	393.3 [15.48]	277.3 [10.92]	253.7 [9.99]	140.3 [5.53]	93.0 [3.66]	93.0 [3.66]	SHEET 1,2
497-0897-04	ZF49/54K5E	551.5 [21.71]	519.5 [20.45]	411.0 [16.18]	295.0 [11.61]	OMIT	158.0 [6.22]	92.6 [3.64]	92.6 [3.64]	SHEET 1,3
497-0897-05	ZFD54K5E	551.5 [21.71]	519.5 [20.45]	411.0 [16.18]	295.0 [11.61]	271.3 [10.68]	158.0 [6.22]	92.6 [3.64]	92.6 [3.64]	SHEET 1,3

SPECIFICATIONS	
ES NO.	DESCRIPTION
ES92-155	CONVERSION-METRIC





SIGHTGLASS LAYOUT
T-BOX REMOVED



T-BOX LAYOUT STANDARD
ON TW MOTORS ONLY

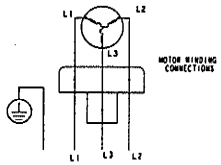
SECTION A-A
SCALE 1:2

NOTES:

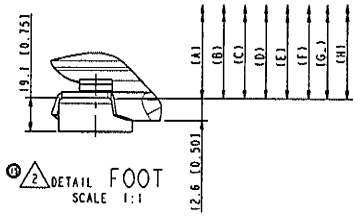
1. ALL TOLERANCES ±1.5 [0.06] UNLESS OTHERWISE SPECIFIED. DUE TO ACCUMULATED ASSEMBLY TOLERANCES THE LISTED COMPONENTS MAY VARY FROM THE MOUNTING HOLES AS TABULATED.

◆ SUCTION FITTING	±3.0 [0.12]
◆ DISCHARGE FITTING	±3.0 [0.12]

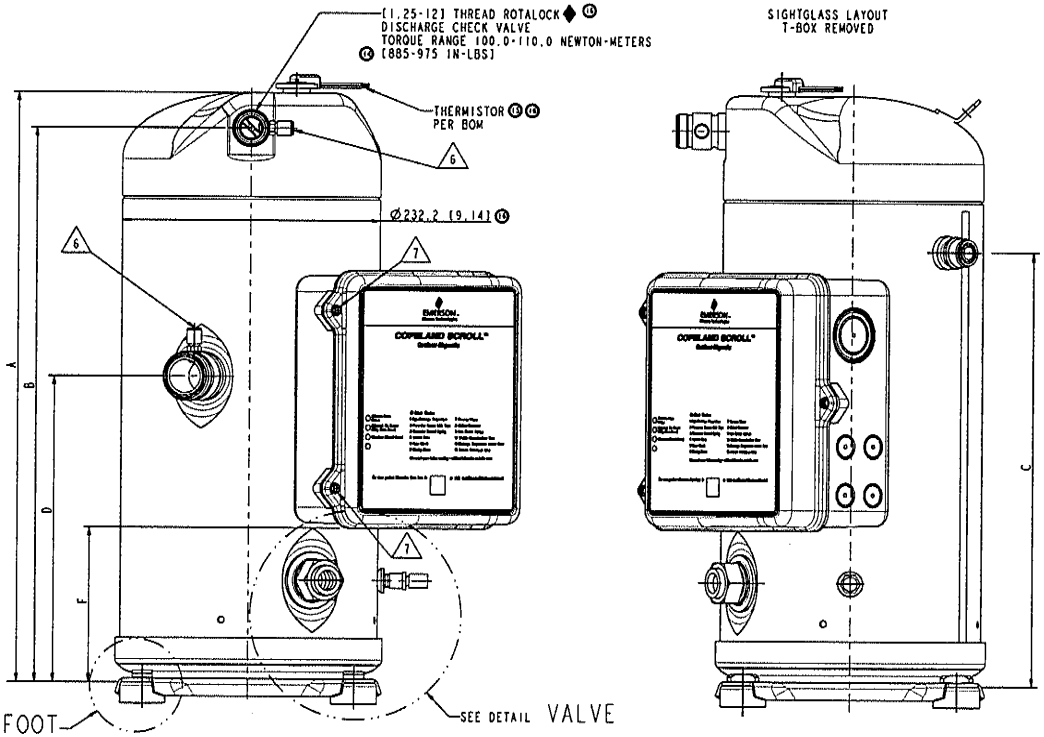
2. MOUNTING KIT: 527-0116-00
3. TUBE ENDS MUST BE PLUGGED.
4. GROUNDING NUT.
6. TORQUE 23-25 Nm [200-220 in Lb]
7. TORQUE 1-1.2 Nm [9-11 in Lb]
8. TORQUE 1.4-1.7 Nm [12-15 in Lb]
9. TORQUE 3.6-4.4 Nm [32-39 in Lb]
10. USE COPPER 75°C CONDUCTORS ONLY. USE THIS EQUIPMENT ON A GROUNDED SYSTEM ONLY. PRIMARY SINGLE PHASE FAILURE PROTECTION IS PROVIDED. PROTECTION MODULES AND OPTIONAL CRANKCASE HEATER MUST BE CONNECTED ONLY TO THEIR RATED VOLTAGE. OVERCURRENT PROTECTION DEVICE RATING AND TYPE MUST BE IN ACCORDANCE WITH REGULATION AND PRODUCT APPROVALS. SEE SYSTEM NAMEPLATE FOR MORE DETAILS REFER LABEL DRAWING 052-2602-00



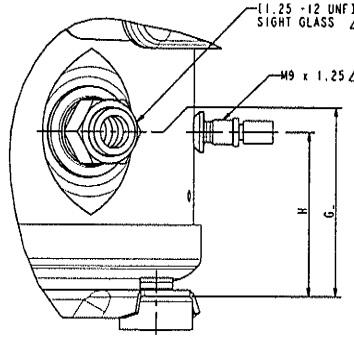
11. TORQUE 2.5-3.1 Nm [22.5-27.5 in Lb]
12. TORQUE 45.5-53.6 Nm [405-475 in Lb]
13. TORQUE 4.5-6.8 Nm [40-60 in Lb]
14. TORQUE 67.8-78.0 Nm [600-690 in Lb]
15. MOUNTING KIT: 527-0210-00



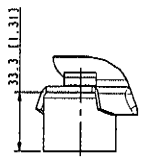
DETAIL FOOT
SCALE 1:1



SEE DETAIL FOOT
SEE DETAIL VALVE



DETAIL VALVE
SCALE 1:1



DETAIL FOOT
SCALE 1:1
ONLY FOR ZF49/54K5E & ZFD54K5E

ECN				
ECN007283	16	UPDATE DELTA NOTE 8	06-26-13	YKN DC KK
ECN007042	15	ADDED DETAIL FOOT VIEW	04-23-13	AMN DC KK
ECN006896	14	REDRAWN WITH CHANGES	03-04-13	AMN DC SSM
ECN001479	0	RELEASED	12-09-09	YKN DC MG

ENG NOTICE NO.	REV. NO	REVISIONS	DATE	BY	CHKD	APVD

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MATERIAL SPECIFICATION	DRAWN BY	SUPERSEDES ENG. NO. / REV. NO.
N/A	AMN	497-0897-00 / 13
	DATE 03-04-13	SCALE 1:1
		DATE FORMAT: MM-DD-YY

TITLE: REF DWG-FINAL ASSM
DRAWING NUMBER: 497-0897-00
SHEET 1 OF 3
3 SIZE

INTERPRET PER ASME Y14.5M-1994 AND EMERSON CLIMATE TECHNOLOGIES, INC. DESIGN STANDARD DS-2002
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CRITICAL PRODUCT CHARACTERISTIC
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE MILLIMETER OR [INCH]
TOLERANCES:
1-PLACE ±
2-PLACE ±
ANGULAR ±

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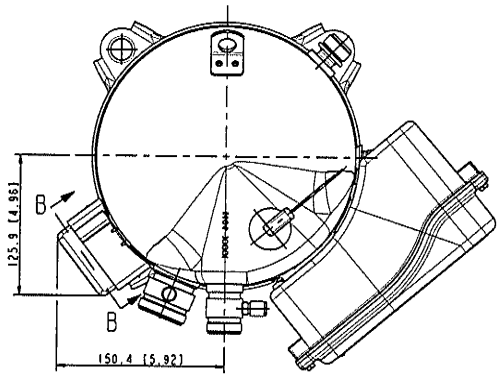
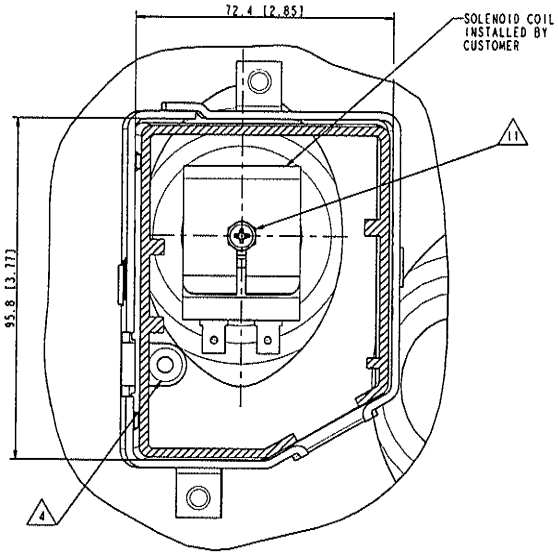
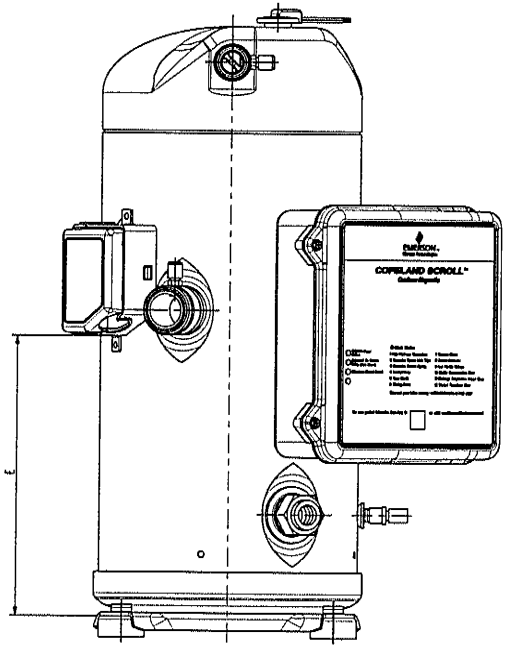
PART NUMBER
497-0897-03





SOLENOID VALVE T-BOX
12 SECTION B-B
SCALE 2:1



ECN	REV	REVISIONS	DATE	BY	CHKD	APVD
ECN007283	16	UPDATE DELTA NOTE 8	04-26-13	YKM	DC	KK
ECN007042	15	SEE SHEET 1	04-23-13	AMN	DC	KK
ECN006896	14	REDRAWN WITH CHANGES	03-04-13	AMN	DC	SBM
ECN001479	0	RELEASED	12-09-09	YKM	DC	MG

EMERSON Climate Technologies
Copeland

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CRITICAL PRODUCT CHARACTERISTIC
THIRD ANGLE PROJECTION
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE MILLIMETER OR [INCH]
TOLERANCES: 1-PLACE ± 2-PLACE ± ANGULAR ±

15

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MATERIAL SPECIFICATION: N/A
DRAWN BY: AMN
DATE: 03-04-13
SUPERSEDES DWG. NO. / REV. NO.: 497-0897-00 / 13
SCALE: 5:8
DATE FORMAT: MM-DD-YY
TITLE: REF DWG-FINAL ASSM
DRAWING NUMBER: 497-0897-00
SHEET 2 OF 3
SIZE: B

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