

Rating Conditions

11.1 K Superheat
 8.3 K Subcooling
 35 °C Ambient Air Over
 50 Hz Operation

AIR CONDITIONING

7382 מרקט

CRNQ-050E-TFD

HFC-407C - Dew Pt.
 COPELAWELD®
 TFD 380/420-3-50

Condensing Temperature °C (Sat. Dew Pt. Pressure, bar) Evaporating Temperature °C (Sat. Dew Pt. Pressure, bar)

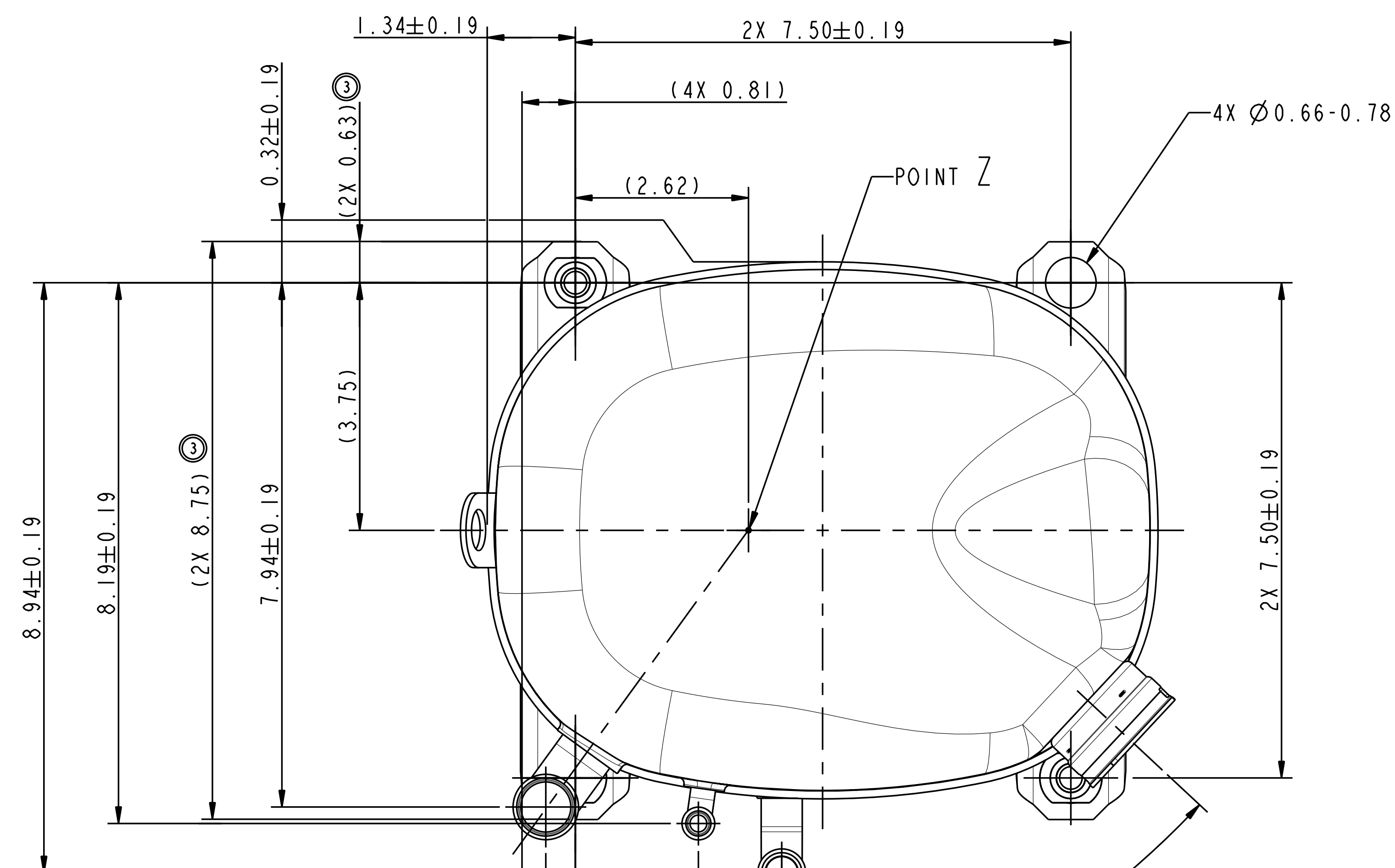
	-20.0 (2.1)	-15.0 (2.6)	-10.0 (3.2)	-5.0 (3.9)	0.0 (4.6)	5.0 (5.5)	7.0 (5.8)	10.0 (6.4)	12.0 (6.9)
65.0 (28.4) C P A M E %				5,800	7,500	9,750	10,800	12,500	13,750
				3,550	4,190	4,790	5,000	5,350	5,550
				6.9	7.9	8.6	8.8	9.1	9.2
				43	54	69	76	88	96
				1.6	1.8	2.0	2.2	2.3	2.5
			63.4	61.7	62.0	62.3	62.7	62.8	
60.0 (25.3) C P A M E %				6,600	8,650	11,150	12,300	14,150	15,500
				3,630	4,180	4,700	4,890	5,150	5,350
				6.9	7.7	8.3	8.4	8.7	8.8
				46	59	75	82	93	101
				1.8	2.1	2.4	2.5	2.7	2.9
			62.4	62.4	63.1	63.3	63.5	63.5	
55.0 (22.5) C P A M E %			5,650	7,450	9,750	12,500	13,750	15,700	17,100
			3,100	3,610	4,090	4,530	4,690	4,910	5,050
			6.1	7.0	7.6	8.0	8.2	8.4	8.6
			38	49	62	79	86	97	105
			1.8	2.1	2.4	2.8	2.9	3.2	3.4
		62.3	62.0	63.0	63.8	63.9	63.9	63.6	
50.0 (19.9) C P A M E %		4,700	6,250	8,300	10,850	13,850	15,100	17,200	18,600
		2,600	3,070	3,530	3,950	4,320	4,450	4,620	4,710
		5.5	6.4	7.0	7.5	7.8	8.0	8.3	8.5
		30	39	51	66	83	90	101	109
		1.8	2.0	2.4	2.8	3.2	3.4	3.7	4.0
	61.6	61.1	62.3	63.5	64.1	64.0	63.6	63.1	
45.0 (17.5) C P A M E %		5,050	6,950	9,250	12,050	15,200	16,600	18,700	20,100
		2,580	3,020	3,430	3,790	4,090	4,190	4,320	4,390
		5.9	6.5	6.9	7.3	7.6	7.7	8.0	8.3
		31	41	55	70	87	94	105	113
		2.0	2.3	2.7	3.2	3.7	4.0	4.3	4.6
	59.6	61.1	62.8	63.8	63.7	63.3	62.4	61.6	
40.0 (15.4) C P A M E %	4,000	5,650	7,800	10,400	13,350	16,600	18,000	20,200	21,700
	2,120	2,540	2,950	3,320	3,640	3,880	3,960	4,050	4,090
	5.6	6.1	6.5	6.7	6.9	7.2	7.4	7.7	7.9
	24	33	45	58	74	91	98	109	116
	1.9	2.2	2.6	3.1	3.7	4.3	4.6	5.0	5.3
58.0	59.7	61.8	63.2	63.4	62.3	61.5	59.9	58.6	
35.0 (13.5) C P A M E %	4,550	6,500	8,900	11,650	14,800	18,200	19,600	21,800	23,300
	2,110	2,520	2,910	3,240	3,520	3,720	3,780	3,840	3,850
	5.8	6.0	6.1	6.1	6.3	6.5	6.7	7.1	7.4
	26	36	49	63	78	95	102	113	120
	2.2	2.6	3.1	3.6	4.2	4.9	5.2	5.7	6.1
58.5	60.8	62.4	62.7	61.7	59.2	57.8	55.4	53.5	
30.0 (11.8) C P A M E %	5,450	7,650	10,250	13,200	16,400	19,900	21,400	23,600	25,100
	2,150	2,550	2,910	3,230	3,480	3,640	3,680	3,710	3,700
	5.5	5.4	5.3	5.2	5.3	5.6	5.8	6.2	6.6
	29	41	54	68	84	100	107	117	124
	2.5	3.0	3.5	4.1	4.7	5.5	5.8	6.4	6.8
60.5	61.8	61.9	60.6	57.9	53.8	51.8	48.3	45.6	

C: Capacity (W), P: Power (W), A: Current (Amps), M: Mass Flow (gm/s), E: COP, %: Isentropic Efficiency (%)

Nominal Performance Values (±5%) based on 72 hours run-in. Subject to change without notice. Current @ 380 V

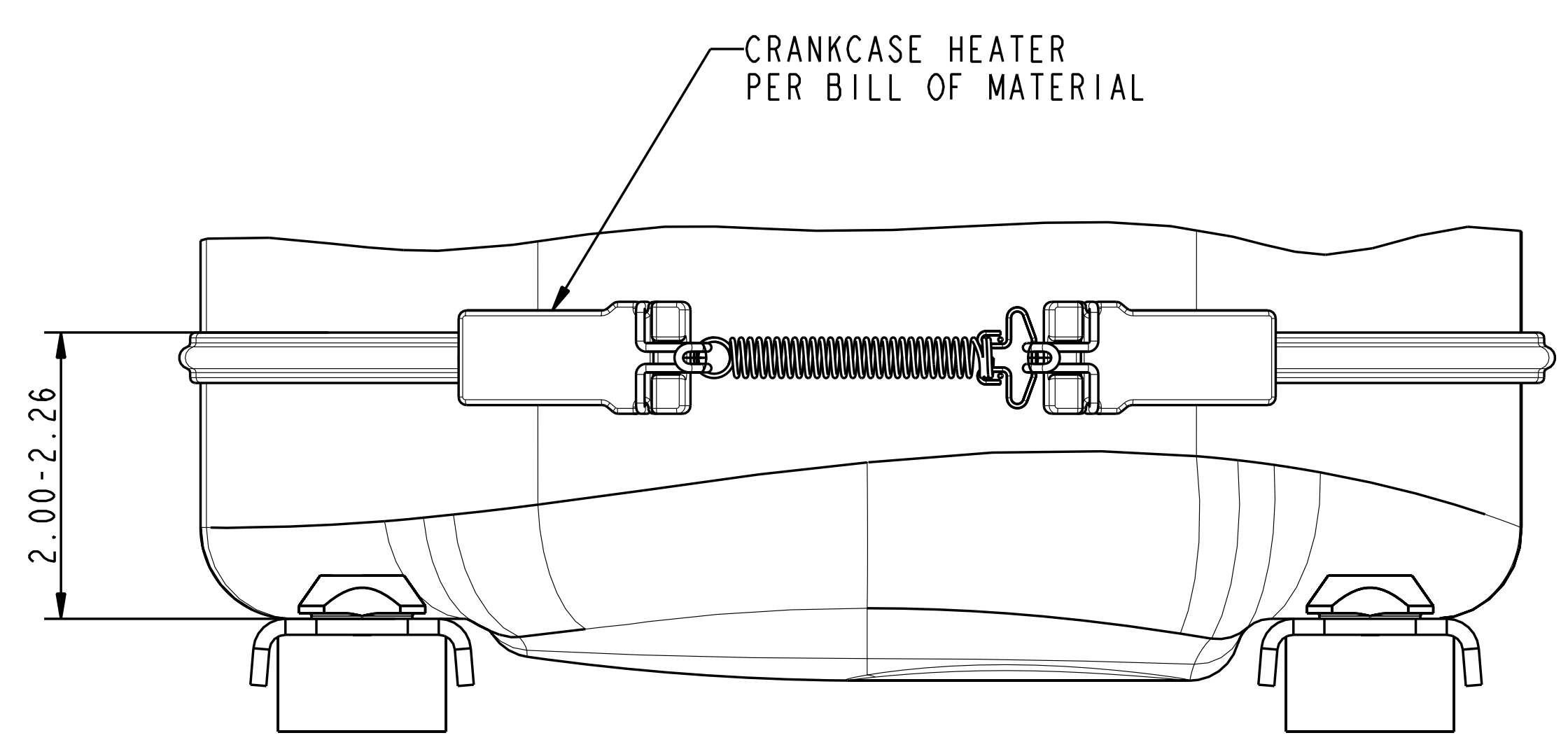
MODEL NO
CRN0-050E-PFV
CRN0-050E-TFD
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CRN0-050E-TF5
CRN0-0500-PFV
CRN0-0500-TFD
CRN0-0500-TFE
CRN0-0500-TF5
CRN5-0500-PFV
CRN5-0500-TFD
CRN5-0500-TFE
CRN5-0500-TF5

SPECIFICATIONS	
ES NO.	DESCRIPTION
ES22-122	PACKAGING
ES81-159	CLEANLINESS
ES81-250	IDENTIFICATION
ES92-167	REGULATORY COMPLIANCE

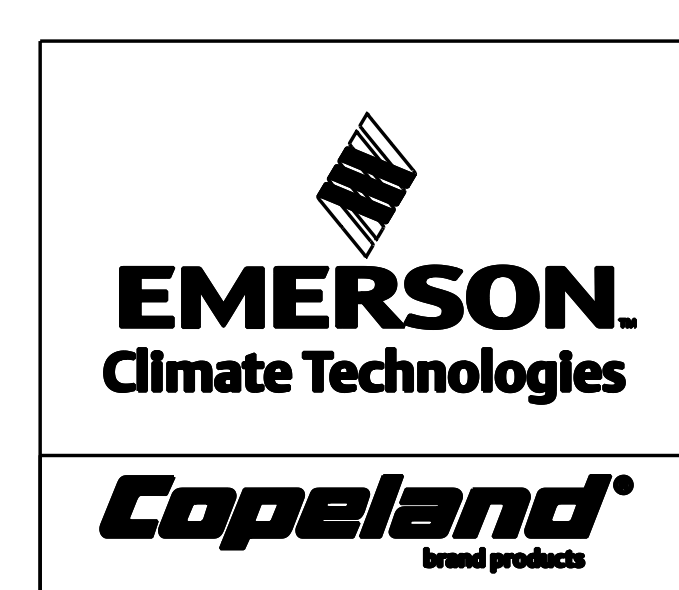
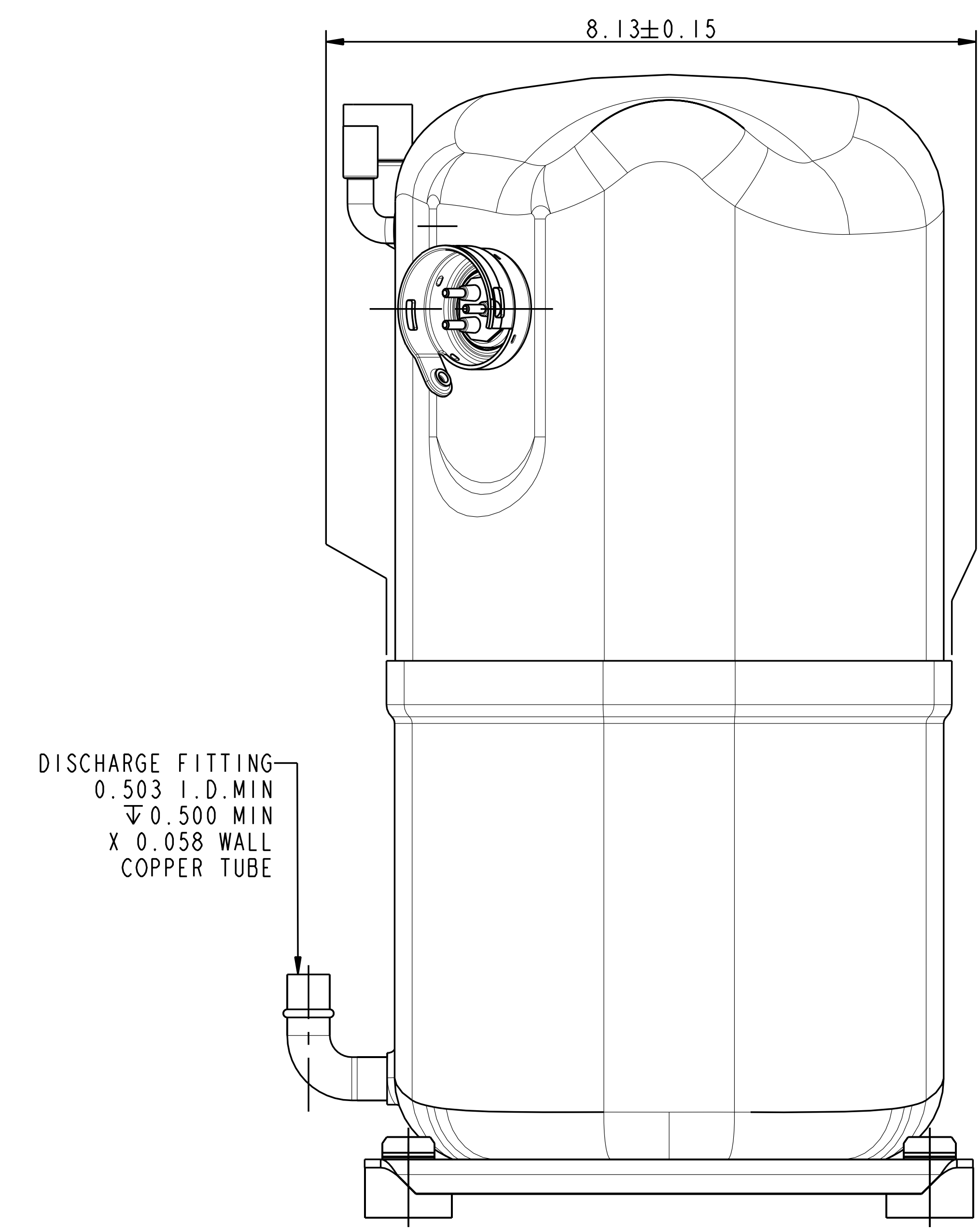
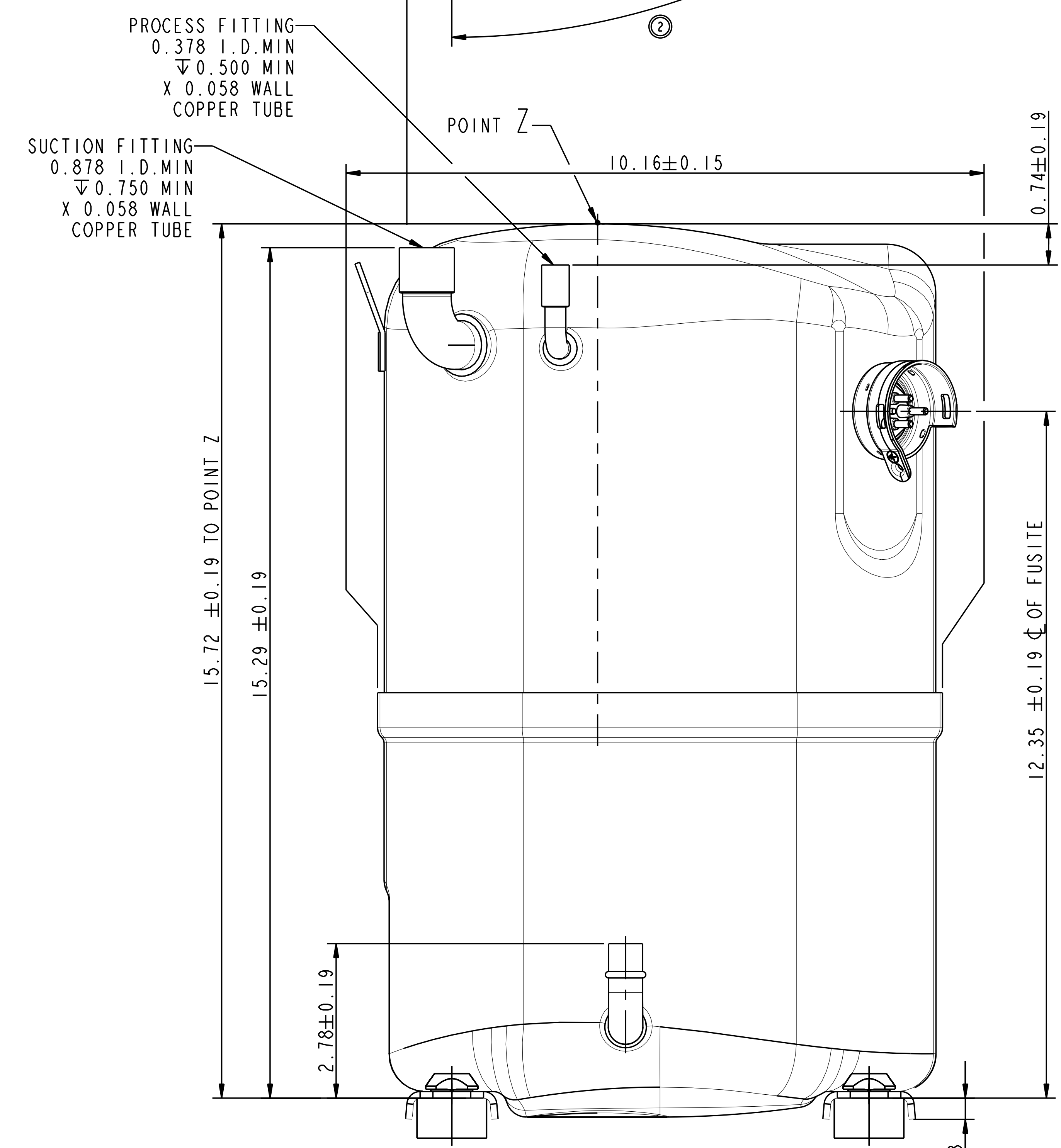


DUE TO ACCUMULATED ASSEMBLY TOLERANCES THE LISTED COMPONENTS MAY VARY FROM THE MOUNTING HOLES AS TABULATED.	
DISCHARGE TUBE	±0.125
SUCTION TUBE	±0.187
PROCESS TUBE	±0.187

- NOTES:
1. TOLERANCES TO BE ±0.12 UNLESS OTHERWISE SPECIFIED.
 2. TUBE ENDS MUST BE PLUGGED.



497-3802-01
OPTIONAL BUILD PER SKU



INTERPRET PER ASME Y14.5M-1994 AND EMERSON CLIMATE TECHNOLOGIES, INC. DESIGN STANDARDS DS2002 DO NOT SCALE DRAWING
THIRD ANGLE PROJECTION
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE INCH OR (MILLIMETER)
TOLERANCES:
2-PLACE ± N/A
3-PLACE ± N/A
ANGULAR ± N/A

ECN006685	3	UPDATED PRINT	11-11-13	ACL	BAH	EJT
ECN004797	2	REDRAWN WITH CHANGES	12-22-11	DB	BAH	EJT
ECN002583	0	RELEASED	08-16-10	KRB	BAH	BAH
ENG NOTICE NO.	REV. NO.	REVISIONS	DATE	BY	CHKD	APPR
CONFIDENTIALITY NOTICE THIS DRAWING AND INFORMATION CONTAINED HEREIN ARE THE EXCLUSIVE PROPERTY OF EMERSON CLIMATE TECHNOLOGIES, INC. AND SHALL BE RETURNED UPON DEMAND AND SHALL NOT BE REPRODUCED IN WHOLE OR IN PART, DISCLOSED TO ANYONE ELSE OR USED, WITHOUT THE WRITTEN CONSENT OF EMERSON CLIMATE TECHNOLOGIES, INC.						
MATERIAL SPECIFICATION			SUPERSEDES DWG. NO. / REV. NO.			
N/A			DB	497-3802-00 / 01		
DATE			SCALE	DATE FORMAT		
12-22-11			1:2	MM-DD-YY		
TITLE						DRAWING NUMBER SHEET 1 OF 5
REF DWG - WELD COMP ASSM						497-3802-00