



DIMENSIONS SHOWN AS: inches (mm)

EXCHANGER SIZE	DIMENSIONS											
	A		B		C		D		N1		N2	
	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm
WS-123-2E4	64 5/8	1641	37	940	26	660	38	965	6	152	2	51
WS-124-2E4	76 5/8	1946	49	1245	38	965	50	1270	6	152	2	51
WS-125-2E4	88 5/8	2251	61	1549	50	1270	62	1575	6	152	2	51
WS-126-2E4	100 5/8	2556	73	1854	62	1575	74	1880	6	152	2	51
WS-127-2E4	112 5/8	2861	85	2159	74	1880	86	2184	8	203	2 1/2	64
WS-128-2E4	124 5/8	3165	97	2464	86	2184	98	2489	8	203	2 1/2	64
WS-129-2E4	136 5/8	3470	109	2769	98	2489	110	2794	8	203	2 1/2	64
WS-1210-2E4	148 5/8	3775	121	3073	110	2794	122	3099	8	203	2 1/2	64
WS-1211-2E4	160 5/8	4080	133	3378	122	3099	134	3404	8	203	2 1/2	64
WS-1212-2E4	172 5/8	4385	145	3683	134	3404	146	3708	8	203	2 1/2	64
WS-1213-2E4	184 5/8	4689	157	3988	146	3708	158	4013	8	203	2 1/2	64
WS-1214-2E4	196 5/8	4994	169	4293	158	4013	170	4318	8	203	2 1/2	64
WS-1215-2E4	208 5/8	5299	181	4597	170	4318	182	4623	8	203	2 1/2	64

NOZZLE SCHEDULE

SERVICE	MARK	SHELL SIDE	MARK	TUBE SIDE
INLET	N1	AS PER TABLE	N5	4 (102) FLG
OUTLET	N2	AS PER TABLE	N6	4 (102) FLG
DRAIN	N3	1/2 (13) NPT		
VENT	N4	3/4 (19) NPT		

- NOTES:
1. SUPPORTS SUPPLIED ONLY IF SPECIFIED ON ORDER.
 2. NOZZLE SIZES SHOWN ARE RECOMMENDED FOR MAXIMUM EXCHANGER LIFE.
 3. FABRICATED TO ASME CODE SECTION VIII DIVISION 1 AND LATEST ADDENDA.
 4. DRAWING IS NOT TO SCALE.
 5. ALL DIM'S ±1/8 (3) UNLESS OTHERWISE SHOWN.

DESIGN CONDITIONS

	SHELL		TUBES	
DESIGN PRESSURE	150 PSIG	1034 KPa	150 PSIG	1034 KPa
DESIGN TEMPERATURE	375 °F	191 °C	375 °F	191 °C
MIN. DESIGN METAL TEMP.	35 °F	1.7 °C	35 °F	1.7 °C
HYDRO. TEST PRESSURE	225 PSIG	1551 KPa	225 PSIG	1551 KPa
CONTENTS	STEAM		WATER	

CUSTOMER:

LOCATION:

ENGINEER:

ORDER No.:

PROJECT/JOB:

LOCATION:

TAG:

(QUOTE #)

TITLE	G.A. 150 LB. WS SERIES HEAT EXCHANGERS	A R M S T R O N G				NUMBER	WS-12-2P-E4	REV.	
DATE:	12 / 01 / 94	BY:	D.C.R.	TORONTO - CANADA	MONTREAL - CANADA	BUFFALO - N. Y.	COLCHESTER - U.K.		
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