



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-203-2E1	64 5/8	1641	36 7/8	937	21	533	39	991	12	305	4	102
WS-204-2E1	76 5/8	1946	48 7/8	1241	33	838	51	1295	12	305	4	102
WS-205-2E1	88 5/8	2251	60 7/8	1546	45	1143	63	1600	12	305	4	102
WS-206-2E1	100 5/8	2556	72 7/8	1851	57	1448	75	1905	12	305	4	102
WS-207-2E1	112 5/8	2861	84 7/8	2156	69	1753	87	2210	12	305	4	102
WS-208-2E1	124 5/8	3165	96 7/8	2461	81	2057	99	2515	12	305	4	102
WS-209-2E1	136 5/8	3470	108 7/8	2765	93	2362	111	2819	12	305	4	102
WS-2010-2E1	148 5/8	3775	120 7/8	3070	105	2667	123	3124	12	305	4	102
WS-2011-2E1	160 5/8	4080	132 7/8	3375	117	2972	135	3429	12	305	4	102
WS-2012-2E1	172 5/8	4385	144 7/8	3680	129	3277	147	3734	12	305	4	102
WS-2013-2E1	184 5/8	4689	156 7/8	3985	141	3581	159	4039	12	305	4	102
WS-2014-2E1	196 5/8	4994	168 7/8	4289	153	3886	171	4343	12	305	4	102
WS-2015-2E1	208 5/8	5299	180 7/8	4594	165	4191	183	4648	12	305	4	102

NOZZLE SCHEDULE				
SERVICE	MARK	SHELL SIDE	MARK	TUBE SIDE
INLET	N1	AS PER TABLE	N5	8 (203) NPT
OUTLET	N2	AS PER TABLE	N6	8 (203) NPT
DRAIN	N3	3/4 (19) 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	125 PSIG	862 KPa	
DESIGN TEMPERATURE	375 °F	191 °C	375 °F	191 °C	
MIN. DESIGN METAL TEMP.	40 °F	4.4 °C	40 °F	4.4 °C	
HYDRO. TEST PRESSURE	225 PSIG	1551 KPa	250 PSIG	1723 KPa	
CONTENTS	STEAM			WATER	

CUSTOMER:
 LOCATION:
 ENGINEER:
 ORDER No.:
 PROJECT/JOB:
 LOCATION:
 TAG: (QUOTE #)

TITLE	A R M S T R O N G				NUMBER	REV.
G.A. 150 LB. WS SERIES HEAT EXCHANGERS	TORONTO - CANADA	MONTREAL - CANADA	BUFFALO - N. Y.	COLCHESTER - U.K.	WS-20-2P-E1	
DATE: 12 / 01 / 94	BY: D.C.R.	TEL: (416) 755-2291	TEL: (514) 421-2424	TEL: (716) 693-8813	TEL: (44) 120-657-9491	