



EXCHANGER SIZE	DIMENSIONS											
	A		B		C		D		N1		N2	
	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm
WS-203-2E2	73 1/4	1861	36 7/8	937	21	533	39	991	12	305	4	102
WS-204-2E2	85 1/4	2165	48 7/8	1241	33	838	51	1295	12	305	4	102
WS-205-2E2	97 1/4	2470	60 7/8	1546	45	1143	63	1600	12	305	4	102
WS-206-2E2	109 1/4	2775	72 7/8	1851	57	1448	75	1905	12	305	4	102
WS-207-2E2	121 1/4	3080	84 7/8	2156	69	1753	87	2210	12	305	4	102
WS-208-2E2	133 1/4	3385	96 7/8	2461	81	2057	99	2515	12	305	4	102
WS-209-2E2	145 1/4	3689	108 7/8	2765	93	2362	111	2819	12	305	4	102
WS-2010-2E2	157 1/4	3994	120 7/8	3070	105	2667	123	3124	12	305	4	102
WS-2011-2E2	169 1/4	4299	132 7/8	3375	117	2972	135	3429	12	305	4	102
WS-2012-2E2	181 1/4	4604	144 7/8	3680	129	3277	147	3734	12	305	4	102
WS-2013-2E2	193 1/4	4909	156 7/8	3985	141	3581	159	4039	12	305	4	102
WS-2014-2E2	205 1/4	5213	168 7/8	4289	153	3886	171	4343	12	305	4	102
WS-2015-2E2	217 1/4	5518	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) FLG
OUTLET	N2	AS PER TABLE	N6	8 (203) FLG
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	150 PSIG	1034 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	300 PSIG	2068 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-20-2P-E2	REV.
DATE: 12/01/94 BY: D.C.R.	TORONTO - CANADA TEL: (416) 755-2291	MONTREAL - CANADA TEL: (514) 421-2424	BUFFALO - N. Y. TEL: (716) 693-8813	COLCHESTER - U.K. TEL: (44) 120-657-9491		