



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-203-2E4	77	1956	36 7/8	937	21	533	39	991	12	305	4	102
WS-204-2E4	89	2261	48 7/8	1241	33	838	51	1295	12	305	4	102
WS-205-2E4	101	2565	60 7/8	1546	45	1143	63	1600	12	305	4	102
WS-206-2E4	113	2870	72 7/8	1851	57	1448	75	1905	12	305	4	102
WS-207-2E4	125	3175	84 7/8	2156	69	1753	87	2210	12	305	4	102
WS-208-2E4	137	3480	96 7/8	2461	81	2057	99	2515	12	305	4	102
WS-209-2E4	149	3785	108 7/8	2765	93	2362	111	2819	12	305	4	102
WS-2010-2E4	161	4089	120 7/8	3070	105	2667	123	3124	12	305	4	102
WS-2011-2E4	173	4394	132 7/8	3375	117	2972	135	3429	12	305	4	102
WS-2012-2E4	185	4699	144 7/8	3680	129	3277	147	3734	12	305	4	102
WS-2013-2E4	197	5004	156 7/8	3985	141	3581	159	4039	12	305	4	102
WS-2014-2E4	209	5309	168 7/8	4289	153	3886	171	4343	12	305	4	102
WS-2015-2E4	221	5613	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 DIMN'S ±1/8 (3) UNLESS OTHERWISE SHOWN.

### DESIGN CONDITIONS

	SHELL		TUBES	
	150 PSIG	1034 KPa	150 PSIG	1034 KPa
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	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-20-2P-E4	REV.			
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