



EXCHANGER SIZE *-BAFFLE SPACING	DIMENSIONS											
	A		B		C		D		N1		N2	
	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm
WS3H-123-4*-3	40 7/8	1038	21 1/2	546	7 1/4	184	38	965	6	152	2	51
WS3H-124-4*-3	52 7/8	1343	33 1/2	851	19 1/4	489	50	1270	6	152	2	51
WS3H-125-4*-3	64 7/8	1648	45 1/2	1156	31 1/4	794	62	1574	6	152	2	51
WS3H-126-4*-3	76 7/8	1953	57 1/2	1461	43 1/4	1099	74	1879	6	152	2	51
WS3H-127-4*-3	88 7/8	2257	69 1/2	1765	55 1/4	1403	86	2184	8	203	2 1/2	64
WS3H-128-4*-3	100 7/8	2562	81 1/2	2070	67 1/4	1708	98	2489	8	203	2 1/2	64
WS3H-129-4*-3	112 7/8	2867	93 1/2	2375	79 1/4	2013	110	2794	8	203	2 1/2	64
WS3H-1210-4*-3	124 7/8	3172	105 1/2	2680	91 1/4	2318	122	3098	8	203	2 1/2	64
WS3H-1211-4*-3	136 7/8	3477	117 1/2	2985	103 1/4	2623	134	3403	8	203	2 1/2	64
WS3H-1212-4*-3	148 7/8	3781	129 1/2	3289	115 1/4	2927	146	3708	8	203	2 1/2	64
WS3H-1213-4*-3	160 7/8	4086	141 1/2	3594	127 1/4	3232	158	4013	8	203	2 1/2	64
WS3H-1214-4*-3	172 7/8	4391	153 1/2	3899	139 1/4	3537	170	4318	8	203	2 1/2	64
WS3H-1215-4*-3	184 7/8	4696	165 1/2	4204	151 1/4	3842	182	4623	8	203	2 1/2	64

NOZZLE SCHEDULE				
SERVICE	MARK	SHELL SIDE	MARK	TUBE SIDE
INLET	N1	AS PER TABLE	N5	3 (76) NPT
OUTLET	N2	AS PER TABLE	N6	3 (76) NPT
DRAIN	N3	1/2 (13) NPT	N7	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 MAX. EXCHANGER LIFE, NO EXTERNAL FORCES APPLY.
 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	300 PSIG	2068 KPa	300 PSIG	2068 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	450 PSIG	3102 KPa	450 PSIG	3102 KPa
CONTENTS	STEAM		WATER	

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

TITLE: G.A. 300 LB. WS SERIES HEAT EXCHANGERS	A R M S T R O N G				NUMBER: WS3H-12-4P-3	REV.:
DATE: 04 / 25 / 01 BY: J.R.	TORONTO - CANADA TEL: (416) 755-2281	MONTREAL - CANADA TEL: (514) 421-2424	BUFFALO - N. Y. TEL: (716) 693-8813	COLCHESTER - U.K. TEL: (44) 120-657-9491		