



DIMENSIONS SHOWN AS: inches (mm)

EXCHANGER SIZE *-BAFFLE SPACING	DIMENSIONS											
	A		B		C		D		N1		N2	
	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm
WS3H-42-2*-3	27 3/4	705	15 3/4	400	9 1/2	241	26	660	2	51	1	25
WS3H-43-2*-3	39 3/4	1010	27 3/4	705	21 1/2	546	38	965	2	51	1	25
WS3H-44-2*-3	51 3/4	1315	39 3/4	1010	33 1/2	851	50	1270	2	51	1	25
WS3H-45-2*-3	63 3/4	1620	51 3/4	1314	45 1/2	1156	62	1575	2 1/2	64	1 1/4	32
WS3H-46-2*-3	75 3/4	1924	63 3/4	1619	57 1/2	1461	74	1879	2 1/2	64	1 1/4	32
WS3H-47-2*-3	87 3/4	2229	75 3/4	1924	69 1/2	1765	86	2184	2 1/2	64	1 1/4	32
WS3H-48-2*-3	99 3/4	2534	87 3/4	2229	81 1/2	2070	98	2489	2 1/2	64	1 1/4	32
WS3H-49-2*-3	111 3/4	2839	99 3/4	2534	93 1/2	2375	110	2794	2 1/2	64	1 1/4	32
WS3H-410-2*-3	123 3/4	3144	111 3/4	2838	105 1/2	2680	122	3099	2 1/2	64	1 1/4	32

### NOZZLE SCHEDULE

SERVICE	MARK	SHELL SIDE	MARK	TUBE SIDE
INLET	N1	AS PER TABLE	N5	1 1/4 (32) NPT
OUTLET	N2	AS PER TABLE	N6	1 1/4 (32) 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	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

REV.

DATE: 11 / 14 / 00 BY: J.R.

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WS3H-4-2P-3