



EXCHANGER SIZE *-BAFFLE SPACING	DIMENSIONS											
	A		B		C		D		(N1)		(N2)	
	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm
WS3H-42-4*-E3	35 1/4	895	23 1/4	591	15 7/8	403	26	660	2	51	1	25
WS3H-43-4*-E3	47 1/4	1200	35 1/4	895	27 7/8	708	38	965	2	51	1	25
WS3H-44-4*-E3	59 1/4	1505	47 1/4	1200	39 7/8	1013	50	1270	2	51	1	25
WS3H-45-4*-E3	71 1/4	1810	59 1/4	1505	51 7/8	1318	62	1575	2 1/2	64	1 1/4	32
WS3H-46-4*-E3	83 1/4	2115	71 1/4	1810	63 7/8	1622	74	1879	2 1/2	64	1 1/4	32
WS3H-47-4*-E3	95 1/4	2419	83 1/4	2115	75 7/8	1927	86	2184	2 1/2	64	1 1/4	32
WS3H-48-4*-E3	107 1/4	2724	95 1/4	2419	87 7/8	2232	98	2489	2 1/2	64	1 1/4	32
WS3H-49-4*-E3	119 1/4	3029	107 1/4	2724	99 7/8	2537	110	2794	2 1/2	64	1 1/4	32
WS3H-410-4*-E3	131 1/4	3334	119 1/4	3029	111 7/8	2842	122	3099	2 1/2	64	1 1/4	32

NOZZLE SCHEDULE					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.
SERVICE	MARK	SHELL SIDE	MARK	TUBE SIDE	
INLET	(N1)	AS PER TABLE	(N5)	1 (25) NPT	
OUTLET	(N2)	AS PER TABLE	(N6)	1 (25) NPT	
DRAIN			(N7)	1/2 (13) NPT	
VENT	(N4)	3/4 (19) NPT			

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

TITLE: G.A. 300 LB. WS SERIES HEAT EXCHANGERS	A R M S T R O N G				NUMBER: WS3H-4-4P-E3	REV.
DATE: 11 / 15 / 00 BY: J.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		