



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*-3	27 1/2	705	15 3/4	400	9 1/2	241	26	660	2	51	1	25
WS3H-43-4*-3	39 1/2	1010	27 3/4	705	21 1/2	546	38	965	2	51	1	25
WS3H-44-4*-3	51 1/2	1315	39 3/4	1010	33 1/2	851	50	1270	2	51	1	25
WS3H-45-4*-3	63 1/2	1620	51 3/4	1314	45 1/2	1156	62	1575	2 1/2	64	1 1/4	32
WS3H-46-4*-3	75 1/2	1924	63 3/4	1619	57 1/2	1461	74	1879	2 1/2	64	1 1/4	32
WS3H-47-4*-3	87 1/2	2229	75 3/4	1924	69 1/2	1765	86	2184	2 1/2	64	1 1/4	32
WS3H-48-H*-3	99 1/2	2534	87 3/4	2229	81 1/2	2070	98	2489	2 1/2	64	1 1/4	32
WS3H-49-4*-3	111 1/2	2839	99 3/4	2534	93 1/2	2375	110	2794	2 1/2	64	1 1/4	32
WS3H-410-4*-3	123 1/2	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 (25) NPT
OUTLET	N2	AS PER TABLE	N6	1 (25) NPT
DRAIN			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 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 $\pm 1/8$ (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-4-4P-3	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		