



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*-E4	41 1/8	1045	23 1/4	591	15 7/8	403	26	660	2	51	1	25
WS3H-43-2*-E4	53 1/8	1349	35 1/4	895	27 7/8	708	38	965	2	51	1	25
WS3H-44-2*-E4	65 1/8	1654	47 1/4	1200	39 7/8	1013	50	1270	2	51	1	25
WS3H-45-2*-E4	77 1/8	1959	59 1/4	1505	51 7/8	1318	62	1575	2 1/2	64	1 1/4	32
WS3H-46-2*-E4	89 1/8	2264	71 1/4	1810	63 7/8	1622	74	1879	2 1/2	64	1 1/4	32
WS3H-47-2*-E4	101 1/8	2569	83 1/4	2115	75 7/8	1927	86	2184	2 1/2	64	1 1/4	32
WS3H-48-2*-E4	113 1/8	2873	95 1/4	2419	87 7/8	2232	98	2489	2 1/2	64	1 1/4	32
WS3H-49-2*-E4	125 1/8	3178	107 1/4	2724	99 7/8	2537	110	2794	2 1/2	64	1 1/4	32
WS3H-410-2*-E4	137 1/8	3483	119 1/4	3029	111 7/8	2842	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) 300# FLG.
OUTLET	N2	AS PER TABLE	N6	1-1/4 (32) 300# FLG.
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 $\pm 1/8$ (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 150 LB. WS SERIES HEAT EXCHANGERS	A R M S T R O N G				NUMBER: WS3H-4-2P-E4	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		