



EXCHANGER SIZE *-BAFFLE SPACING	DIMENSIONS											
	A		B		C		D		N1		N2	
	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm
WS3H-85-2*-3	64 5/8	1641	48 1/4	1226	35 7/8	911	62	1575	4	102	1	25
WS3H-86-2*-3	76 5/8	1946	60 1/4	1530	47 7/8	1216	74	1880	4	102	1-1/4	32
WS3H-87-2*-3	88 5/8	2251	72 1/4	1835	59 7/8	1521	86	2184	4	102	1-1/4	32
WS3H-88-2*-3	100 5/8	2556	84 1/4	2140	71 7/8	1826	98	2489	6	152	1-1/4	32
WS3H-89-2*-3	112 5/8	2861	96 1/4	2445	83 7/8	2130	110	2794	6	152	1-1/4	32
WS3H-810-2*-3	124 5/8	3165	108 1/4	2750	95 7/8	2435	122	3099	6	152	1-1/4	32
WS3H-811-2*-3	136 5/8	3470	120 1/4	3054	107 7/8	2740	134	3404	6	152	1-1/4	32
WS3H-812-2*-3	148 5/8	3775	132 1/4	3359	119 7/8	3045	146	3708	6	152	1-1/4	32
WS3H-813-2*-3	160 5/8	4080	144 1/4	3664	131 7/8	3350	158	4013	6	152	1-1/4	32
WS3H-814-2*-3	172 5/8	4385	156 1/4	3969	143 7/8	3654	170	4318	6	152	1-1/4	32

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
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 TO 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-8-2P-3(6)	REV.
DATE: 02 / 02 / 01 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		