



EXCHANGER SIZE *-BAFFLE SPACING	DIMENSIONS											
	A		B		C		D		N1		N2	
	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm
WS3H-102-2*-3	28 7/8	733	11 1/2	292	-	-	26	660	4	102	1 1/2	38
WS3H-103-2*-3	40 7/8	1038	23 1/2	597	11 1/2	292	38	965	4	102	1 1/2	38
WS3H-104-2*-3	52 7/8	1343	35 1/2	902	23 1/2	597	50	1270	6	152	2	51
WS3H-105-2*-3	64 7/8	1648	47 1/2	1207	35 1/2	902	62	1574	6	152	2	51
WS3H-106-2*-3	76 7/8	1953	59 1/2	1511	47 1/2	1207	74	1879	6	152	2	51
WS3H-107-2*-3	88 7/8	2257	71 1/2	1816	59 1/2	1511	86	2184	6	152	2	51
WS3H-108-2*-3	100 7/8	2562	83 1/2	2121	71 1/2	1816	98	2489	6	152	2	51
WS3H-109-2*-3	112 7/8	2867	95 1/2	2426	83 1/2	2121	110	2794	6	152	2	51
WS3H-101D-2*-3	124 7/8	3172	107 1/2	2731	95 1/2	2426	122	3098	6	152	2	51
WS3H-1011-2*-3	136 7/8	3477	119 1/2	3035	107 1/2	2731	134	3403	6	152	2	51
WS3H-1012-2*-3	148 7/8	3781	131 1/2	3340	119 1/2	3035	146	3708	6	152	2	51
WS3H-1013-2*-3	160 7/8	4086	143 1/2	3645	131 1/2	3340	158	4013	6	152	2	51
WS3H-1014-2*-3	172 7/8	4391	155 1/2	3950	143 1/2	3645	170	4318	6	152	2	51
WS3H-1015-2*-3	184 7/8	4696	167 1/2	4255	155 1/2	3950	182	4623	6	152	2	51

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
DRAIN	N3	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 MAX. EXCHANGER LIFE, NO EXTERNAL FORCES 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				<b>A R M S T R O N G</b>				NUMBER	REV.
DATE: 03 / 08 / 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) 12D-657-9491	WS3H-10-2P-3				