



DIMENSIONS SHOWN AS: inches (mm)

EXCHANGER SIZE *-BAFFLE SPACING	DIMENSIONS											
	A		B		C		D		N1		N2	
	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm
W3H-102-4*-4	38 1/2	978	14	356	6 3/4	171	26	660	3	76	3	76
W3H-103-4*-4	50 1/2	1283	26	661	18 3/4	476	38	965	3	76	3	76
W3H-104-4*-4	62 1/2	1588	38	966	30 3/4	781	50	1270	3	76	3	76
W3H-105-4*-4	74 1/2	1892	50	1270	42 3/4	1085	62	1574	3	76	3	76
W3H-106-4*-4	86 1/2	2197	62	1575	54 3/4	1390	74	1879	3	76	3	76
W3H-107-4*-4	98 1/2	2502	74	1880	66 3/4	1695	86	2184	3	76	3	76
W3H-108-4*-4	110 1/2	2807	86	2185	78 3/4	2000	98	2489	3	76	3	76
W3H-109-4*-4	122 1/2	3112	98	2490	90 3/4	2305	110	2794	3	76	3	76
W3H-1010-4*-4	134 1/2	3416	110	2794	102 3/4	2609	122	3098	3	76	3	76
W3H-1011-4*-4	146 1/2	3721	122	3099	114 3/4	2914	134	3403	3	76	3	76
W3H-1012-4*-4	158 1/2	4026	134	3404	126 3/4	3219	146	3708	3	76	3	76
W3H-1013-4*-4	170 1/2	4331	146	3709	138 3/4	3524	158	4013	3	76	3	76
W3H-1014-4*-4	182 1/2	4636	158	4014	150 3/4	3829	170	4318	3	76	3	76
W3H-1015-4*-4	194 1/2	4940	170	4318	162 3/4	4134	182	4623	3	76	3	76

NOZZLE SCHEDULE

SERVICE	MARK	SHELL SIDE	MARK	TUBE SIDE
INLET	N1	AS PER TABLE	N5	3 (76) 300# FLG.
OUTLET	N2	AS PER TABLE	N6	3 (76) 300# FLG.
DRAIN	N3	1/2 (13) NPT	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 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	WATER		WATER	

CUSTOMER:
LOCATION:

ENGINEER:
ORDER No.:
PROJECT/JOB:
LOCATION:

TAG:

(QUOTE #)

TITLE	G.A. 300 LB. W SERIES HEAT EXCHANGERS	A R M S T R O N G				NUMBER	W3H-10-4P-4(3)	REV.	
DATE:	D3 / D6 / 01	BY:	J.R.	TORONTO - CANADA	MONTREAL - CANADA	BUFFALO - N. Y.	COLDCHESTER - U.K.		
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