



DIMENSIONS SHOWN AS: inches (mm)

2 - 7/8 (22) DIA. HOLES (TYP.)

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*-3	30 1/4	768	13	330	-	-	26	660	4	102	4	102
W3H-103-4*-3	42 1/4	1073	25	635	14 3/4	375	38	965	4	102	4	102
W3H-104-4*-3	54 1/4	1378	37	940	26 3/4	679	50	1270	4	102	4	102
W3H-105-4*-3	66 1/4	1682	49	1245	38 3/4	984	62	1574	4	102	4	102
W3H-106-4*-3	78 1/4	1987	61	1549	50 3/4	1289	74	1879	4	102	4	102
W3H-107-4*-3	90 1/4	2292	73	1854	62 3/4	1594	86	2184	4	102	4	102
W3H-108-4*-3	102 1/4	2597	85	2159	74 3/4	1899	98	2489	4	102	4	102
W3H-109-4*-3	114 1/4	2902	97	2464	86 3/4	2203	110	2794	4	102	4	102
W3H-1010-4*-3	126 1/4	3206	109	2769	98 3/4	2508	122	3098	4	102	4	102
W3H-1011-4*-3	138 1/4	3511	121	3073	110 3/4	2813	134	3403	4	102	4	102
W3H-1012-4*-3	150 1/4	3816	133	3378	122 3/4	3118	146	3708	4	102	4	102
W3H-1013-4*-3	162 1/4	4121	145	3683	134 3/4	3423	158	4013	4	102	4	102
W3H-1014-4*-3	174 1/4	4426	157	3988	146 3/4	3727	170	4318	4	102	4	102
W3H-1015-4*-3	186 1/4	4730	169	4293	158 3/4	4032	182	4623	4	102	4	102

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	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-3(4)	REV.
DATE:	03 / 06 / 01	BY:	J.R.	TORONTO - CANADA	MONTREAL - CANADA	BUFFALO - N. Y.	DOLCHESTER - U.K.	
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