



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		
WS3T-85-4*-3	64	5/8	1641	49	1245	37	3/8	949	62	1575	4	102	1	25
WS3T-86-4*-3	76	5/8	1946	61	1549	49	3/8	1254	74	1880	4	102	1-1/4	32
WS3T-87-4*-3	88	5/8	2251	73	1854	61	3/8	1559	86	2184	4	102	1-1/4	32
WS3T-88-4*-3	100	5/8	2556	85	2159	73	3/8	1864	98	2489	6	152	1-1/4	32
WS3T-89-4*-3	112	5/8	2861	97	2464	85	3/8	2169	110	2794	6	152	1-1/4	32
WS3T-810-4*-3	124	5/8	3165	109	2769	97	3/8	2473	122	3099	6	152	1-1/4	32
WS3T-811-4*-3	136	5/8	3470	121	3073	109	3/8	2778	134	3404	6	152	1-1/4	32
WS3T-812-4*-3	148	5/8	3775	133	3378	121	3/8	3083	146	3708	6	152	1-1/4	32
WS3T-813-4*-3	160	5/8	4080	145	3683	133	3/8	3388	158	4013	6	152	1-1/4	32
WS3T-814-4*-3	172	5/8	4385	157	3988	145	3/8	3693	170	4318	6	152	1-1/4	32

NOZZLE SCHEDULE

SERVICE	MARK	SHELL SIDE	MARK	TUBE SIDE
INLET	N1	AS PER TABLE	N5	2 (51) NPT
OUTLET	N2	AS PER TABLE	N6	2 (51) NPT
DRAIN			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 TO APPLY.
 3. FABRICATED TO ASME CODE SECTION VIII DIVISION 1 AND LATEST ADDENDA.
 4. DRAWING IS NOT TO SCALE.
 5. ALL DIM'S $\pm 1/8(3)$ UNLESS OTHERWISE SHOWN.

DESIGN CONDITIONS

	SHELL		TUBES	
	DESIGN PRESSURE	150 PSIG	1034 KPa	300 PSIG
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	225 PSIG	1551 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	WS3T-8-4P-3(6)		REV.
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