



DIMENSIONS SHOWN AS: inches (mm)

2 - 3/4 (19) 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 |
| WS3T-82-2*-E4 | 49 1/4 | 1251 | 24 1/4 | 616 | 16 5/8 | 422 | 26 | 660 | 2 | 51 | 1 | 25 |
| WS3T-83-2*-E4 | 61 1/4 | 1556 | 36 1/4 | 921 | 28 5/8 | 727 | 38 | 965 | 2-1/2 | 64 | 1 | 25 |
| WS3T-84-2*-E4 | 73 1/4 | 1861 | 48 1/4 | 1226 | 40 5/8 | 1032 | 50 | 1270 | 3 | 76 | 1 | 25 |
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| 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. |
| 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 DIMN'S ±1/8 (3) UNLESS OTHERWISE SHOWN.

| DESIGN CONDITIONS | | | | |
|-------------------------|----------|----------|----------|----------|
| | SHELL | | TUBES | |
| DESIGN PRESSURE | 150 PSIG | 1034 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 |
| HYDR. 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-8-2P-E4{3} | REV. |
| DATE: 01 / 12 / 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 | | |