



| EXCHANGER SIZE *--BAFFLE SPACING | DIMENSIONS | | | | | | | | | | | |
|-------------------------------------|------------|------|--------|------|---------|------|--------|------|--------|----|--------|----|
| | A | | B | | C | | D | | Ⓝ1 | | Ⓝ2 | |
| | inches | mm | inches | mm | inches | mm | inches | mm | inches | mm | inches | mm |
| W3H-102-2*-4 | 41 3/8 | 1051 | 14 | 356 | 6 3/4 | 171 | 26 | 660 | 3 | 76 | 3 | 76 |
| W3H-103-2*-4 | 53 3/8 | 1356 | 26 | 661 | 18 3/4 | 476 | 38 | 965 | 3 | 76 | 3 | 76 |
| W3H-104-2*-4 | 65 3/8 | 1661 | 38 | 966 | 30 3/4 | 781 | 50 | 1270 | 3 | 76 | 3 | 76 |
| W3H-105-2*-4 | 77 3/8 | 1965 | 50 | 1270 | 42 3/4 | 1085 | 62 | 1574 | 3 | 76 | 3 | 76 |
| W3H-106-2*-4 | 89 3/8 | 2270 | 62 | 1575 | 54 3/4 | 1390 | 74 | 1879 | 3 | 76 | 3 | 76 |
| W3H-107-2*-4 | 101 3/8 | 2575 | 74 | 1880 | 66 3/4 | 1695 | 86 | 2184 | 3 | 76 | 3 | 76 |
| W3H-108-2*-4 | 113 3/8 | 2880 | 86 | 2185 | 78 3/4 | 2000 | 98 | 2489 | 3 | 76 | 3 | 76 |
| W3H-109-2*-4 | 125 3/8 | 3185 | 98 | 2490 | 90 3/4 | 2305 | 110 | 2794 | 3 | 76 | 3 | 76 |
| W3H-1010-2*-4 | 137 3/8 | 3489 | 110 | 2794 | 102 3/4 | 2609 | 122 | 3098 | 3 | 76 | 3 | 76 |
| W3H-1011-2*-4 | 149 3/8 | 3794 | 122 | 3099 | 114 3/4 | 2914 | 134 | 3403 | 3 | 76 | 3 | 76 |
| W3H-1012-2*-4 | 161 3/8 | 4099 | 134 | 3404 | 126 3/4 | 3219 | 146 | 3708 | 3 | 76 | 3 | 76 |
| W3H-1013-2*-4 | 173 3/8 | 4404 | 146 | 3709 | 138 3/4 | 3524 | 158 | 4013 | 3 | 76 | 3 | 76 |
| W3H-1014-2*-4 | 185 3/8 | 4709 | 158 | 4014 | 150 3/4 | 3829 | 170 | 4318 | 3 | 76 | 3 | 76 |
| W3H-1015-2*-4 | 197 3/8 | 5013 | 170 | 4318 | 162 3/4 | 4134 | 182 | 4623 | 3 | 76 | 3 | 76 |

| NOZZLE SCHEDULE | | | | |
|-----------------|------|--------------|------|-------------------|
| SERVICE | MARK | SHELL SIDE | MARK | TUBE SIDE |
| INLET | Ⓝ1 | AS PER TABLE | Ⓝ5 | 4 (102) 3DD# FLG. |
| OUTLET | Ⓝ2 | AS PER TABLE | Ⓝ6 | 4 (102) 3DD# FLG. |
| DRAIN | Ⓝ3 | 1/2 (13) NPT | | |
| VENT | Ⓝ4 | 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-10-2P-4(3) | REV. |
| DATE: 03 /06 /D1 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 | | |