***TR-150 VFD Submittal***

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| ***Prepared For:***  | ***Date:***  |
| ***Sold To:***  | ***Job Name****:*   |

Trane U.S. Inc. dba Trane is pleased to provide the enclosed submittal for your review and approval.

**Product Summary**

**Qty Product**

 Trane Factory Mounted Variable Frequency Drives

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| *Contact*: | *The attached information describes the equipment we propose to furnish for this project, and is submitted for your approval.* |

**TR150 Drive Schedule and Options**

**208 and 230 Volt**

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| **Qty.** | **Tag Numbers** | **HP** | **Frame Size**  | **Drive Model** | **Nominal Voltage** | **Max. Amps Output\* 40/50oC** |
|     |       | 1.0 | H1 | TR150PK75T2 | 208–230 | 4.2/3.5 |
|     |       | 2 | H1 | TR150P1K5T2 | 208–230 | 6.8/6.8 |
|     |       | 3 | H2 | TR150P2K2T2 | 208–230 | 9.6/9.6 |
|     |       | 5 | H3 | TR150P3K7T2 | 208–230 | 15.2/13 |
|  |  | 7.5 | H4 | TR150P5K5T2 | 208–230 | 22/19.8 |
|     |       | 10 | H4 | TR150P7K5T2 | 208–230 | 28/23 |
|     |       | 15 | H5 | TR150P11K1T2 | 208–230 | 42/33 |
|     |       | 20 | H6 | TR150P15K1T2 | 208–230 | 59.4/41.6 |
|     |       | 25 | H6 | TR150P18K51T2 | 208–230 | 74.8/52.4 |
|     |       | 30 | H7 | TR150P22K1T2 | 208–230 | 88/61.6 |
|     |       | 40 | H7 | TR150P30K1T2 | 208–230 | 115/80.5 |
|     |       | 50 | H8 | TR150P37K1T2 | 208–230 | 143/100.1 |
|     |       | 60 | H8 | TR150P45K1T2 | 208–230 | 170/119 |

\*VFD HP/Amps may not necessarily match that of the motor.

**460 Volt**

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| **Qty.** | **Tag Numbers** | **HP** | **Frame Size**  | **Drive Model** | **Nominal Voltage** | **Max. Amps Output\*****40/500C** |
|      |        | 1 | H1 | TR150PK75T4 | 460 |  2.1/1.8 |
|     |       | 2 | H1 | TR150P1K5T4 | 460 | 3.4/3.4 |
|     |       | 3 | H2 | TR150P2K2T4 | 460 | 4.8/4.4 |
|     |       | 5 | H2 | TR150P3K7T4 | 460 | 8.2/7.5 |
|     |       | 7.5 | H3 | TR150P5K5T4 | 460 | 11/10 |
|     |       | 10 | H3 | TR150P7K5T4 | 460 | 14/12.6 |
|     |       | 15 | H4 | TR150P11KT4 | 460 | 21/19.1 |
|     |       | 20 | H4 | TR150P15KT4 | 460 | 27/24 |
|     |       | 25 | H5 | TR150P18KT4 | 460 | 34/31.3 |
|     |       | 30 | H5 | TR150P22KT4 | 460 | 40/35 |
|     |       | 40 | H6 | TR150P30KT4 | 460 | 52/41.6 |
|     |       | 50 | H6 | TR150P37KT4 | 460 | 65/52 |
|     |       | 60 | H6 | TR150P45KT4 | 460 | 80/64 |
|     |       | 70 | H7 | TR150P55KT4 | 460 | 105/73.5 |
|     |       | 100 | H7 | TR150P75KT4 | 460 | 130/91 |
|     |       | 125 | H8 | TR150P90KT4 | 460 | 160/112 |

VFD HP/Amps may not necessarily match that of the motor.

 **600 Volt**

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| **Qty.** | **Tag Numbers** | **HP** | **Frame Size** | **Model** | **Nominal Voltage** | **Max. Amps Output\*****40/500C** |
|     |       | 3 | H9 | TR150P2K2T6 | 575 | 3.9/2.7 |
|     |       | 5 | H9 | TR150P3K7T6 | 575 | 6.1/4.3 |
|     |       | 7.5 | H9 | TR150P5K5T6 | 575 | 9/6.3 |
|     |       | 10 | H10 | TR150P7K5T6 | 575 | 11/7.7 |
|     |       | 15 | H10 | TR150P11KT6 | 575 | 18/12.6 |
|     |       | 20 | H10 | TR150P15KT6 | 575 | 22/15.4 |
|     |       | 25 | H6 | TR150P18KT6 | 575 | 27/18.9 |
|     |       | 30 | H6 | TR150P22KT6 | 575 | 34/23.8 |
|     |       | 40 | H6 | TR150P30KT6 | 575 | 41/28.7 |
|     |       | 50 | H7 | TR150P37KT6 | 575 | 52/36.4 |
|     |       | 60 | H7 | TR150P45KT6 | 575 | 62/43.3 |
|     |       | 70 | H7 | TR150P55KT6 | 575 | 83/58.1 |
|     |       | 100 | H8 | TR150P75KT6 | 575 | 100/70 |
|     |       | 125 | H8 | TR150P90KT6 | 575 | 131/91.7 |

# Factory Mounted TR150 Drive Options:

* Main input circuit breaker, meeting UL 489 with a minimum of 10k AIC and door interlocked external operator that protect the entire package.
* Optional multi-motor fan array operation – Individual motor overloads and fuses provided to run all motors simultaneously from a single drive.
* Optional two contactor mechanical bypass (single-fan only).
* Input RFI Filter – TR150 drives, 480V and less, are designed to contain EMI and RFI to EN 61800-3 standards. The filter meets the requirements for EN 55011 limits for Class A1, A2 and B.
* Optional 65kA Short Circuit Current Rating for Panels.
* Conformal Coating - All drive circuit boards are conformal coated to resist corrosion.

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