Trane Commercial Systems

OFFICIAL TENDER QUOTATION
Ref: TRN-NC-AHU2-2026
Date: 16 March 2026
Validity: 30 Days

Trane Commercial Systems
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Client: Apex Consulting Engineers | **Project:** Horizon Medical Center - Central Plant Modernization
Equipment Tag: AHU-02 - Cleanroom Air Handling Unit Package

1. Technical Performance Schedule

Parameter	Spec Requirement	Offered by Trane	Technical Note
Supply Airflow	5300 l/s	**5300 l/s**	Design match
External Static Pressure	1000 Pa	**950 Pa**	Minor deficit (-50 Pa / -5%)
Fan Arrangement	2x EC500 Plug fans	**2x ebm-papst EC500 Plug fans**	ebm-papst FanGrid array
Fan Power Input	8382 W (8.4 kW)	**8382 W**	400V / 3Ph / 50Hz
Cooling Coil Capacity	56.4 kW	**66.5 kW**	Oversized by 17.9% (>15% Marginal/Review)
Entering Air Conditions	22.0 °C DB / 15.7 °C WB	**22.0 °C DB / 15.7 °C WB**	Design match
Leaving Air Conditions	14.5 °C DB / 12.3 °C WB	**14.5 °C DB / 12.3 °C WB**	Design match
DX Coil Materials	SS casing, Cu tubes, Al fins	**Galv casing, Cu tubes, Al fins**	Galvanized coil casing (Spec: SS)
Condensate Drip Tray	1.2mm SS V-shape sloped	**1.2mm 304 SS V-shape sloped**	Center drain Ø28mm
Base Frame	100 x 50 galv channel	**100 x 50mm Galv channel**	Bolted tapered flange
Panels & Insulation	50mm Chromadek double-skin	**50mm Mineral Wool (Galv inner)**	Galvanized inner skin (Spec: Stainless)
Primary Filtration	G4 / EU4 (50mm washable)	**G4 Primary washable panel (50mm)**	6x 592x592 & 3x 592x292
Secondary Filtration	F8 Bag Filter (300mm soft)	**F8 Soft Bag Filter (300mm)**	6x 592x592 & 3x 592x292
Differential Gauge	Magnehelic gauge fitted	**Dwyer Magnehelic gauge fitted**	Across filter banks
Electrical & Controls	Isolator, E-Stop, lights, panel	**Isolator & panel (Lights optional)**	Plenum lights & E-Stop optional (Marginal)
VRF Interface Kit	VRF kit fitment	**VRF interface kit fitted**	Ready for VRF condenser
Sloped Weather Roof	90mm to 50mm slope	**90mm to 50mm sloped roof**	Weather cowl fitted
Unit Weight	1155 kg approx	**1165 kg approx**	Verified engineering weight

2. Commercial Pricing & Scope Demarcation

Scope Item	Terms / Clarification	Amount (USD)
Trane Unit 2 AHU Package	Ex-works factory	**$ 23,500.00**
Plenum Lights & E-Stop Kit	Chamber lighting + E-Stop push	**$ 850.00 (Optional)**
Transport to Site	Jobsite delivery freight	**Excluded ($ 1,200 extra)**

Authorized Representative: Craig Thomson, Commercial Sales Engineer | *Technical Sales Division* (E&OE;)