



CAPABILITY OVERVIEW

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VELORA

HVAC & Building Services Capability Overview

Chillers, AHUs, FCUs, VRF and ventilation systems — directly supplied, AHRI / EUROVENT-aligned.

CAPACITY

30 – 1500 TR

COVERAGE

Cooling · Ventilation · BMSAHRI · EUROVENT · ASHRAE

STANDARD

Engineering-Driven Supply.

Velora Engineering & Trading PLC · Addis Ababa, Ethiopia · www.veloraet.com

1. Overview

Velora supplies HVAC and building services equipment for commercial, institutional and healthcare projects across Ethiopia. Systems are configured to project loads and delivered with submission-ready technical documentation, compliance certificates and OEM warranty.

2. Equipment Range

Chillers	Air-cooled and water-cooled · 30 – 1500 TR · screw and centrifugal.
Air Handling Units	10,000 – 60,000 m³/h · double-skin, EUROVENT-rated.
Fan Coil Units	Cassette, ducted and wall-mounted FCUs for zoned cooling.
VRF / VRV Systems	Multi-zone heat pump and heat recovery systems.
Ventilation & ECF	Supply/exhaust fans, kitchen hoods, smoke ventilation.
Building Services	Pumps, expansion tanks, BMS controls, ductwork accessories.

3. Key Specifications

Refrigerants	R-410A · R-32 · R-134a · R-1234ze (low-GWP options)
Efficiency	EER / COP / IPLV reported per AHRI / EUROVENT methodology
Filtration	G4 pre-filter + F7/F9 fine · HEPA H13/H14 for clean rooms
Controls	BACnet / Modbus / KNX integration with BMS
Origin Tiers	Türkiye · China Tier-1 · European Union

4. Applications

C	Commercial Buildings Office towers, mixed-use and retail HVAC systems.	H	Hospitality Hotels and resorts with FCU/AHU and chiller plants.
M	Healthcare Hospitals, OR/ICU clean ventilation and isolation rooms.	D	Data & Telecom Precision cooling for server rooms and edge sites.
I	Industrial Process cooling, factory ventilation and clean rooms.	E	Education Schools, universities and laboratories.

5. Compliance & Standards

- AHRI 550/590 — Performance rating of water-cooled chillers.
- EUROVENT certification for chillers, AHUs and FCUs.
- ASHRAE 62.1 / 170 — Indoor air quality and healthcare ventilation.
- ISO 16890 — Air filter classification for general ventilation.
- EN 1886 — Mechanical performance of air handling units.

6. Strengths



E

Load-Based Selection

Equipment sized to project loads — not catalogue defaults.

D

Documentation Discipline

Selection sheets, schematics and compliance certificates.

L

Local Delivery

Coordinated freight, customs and on-site logistics into Ethiopia.

S

Commissioning Support

OEM-aligned start-up and operator handover.

Direct supply of engineered HVAC and building services equipment — configured to load and compliant with international standards.

Authorized Signatory

Velora Engineering & Trading PLC
Addis Ababa, Ethiopia