MUWI RESIN ROOFING SOLUTIONS LIMITED
SMK Business Centre Enterprise Road Nairobi
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TECHNICAL DATA SHEET: Cyclone SS304-700 (Industrial Pro)

High-Capacity Wind-Driven Extraction System

1. Engineering Specifications

Parameter	**Technical Detail**
Turbine Head	High-Grade Stainless Steel 304(Austenitic)
Rotation System	Genuine **NSK** Dual Sealed Ball Bearings
Overall Diameter	700 mm (Large Capacity)
Total Height	Approx. 580 mm
Throat Diameter	600 mm (24")
Start-up Inertia	< 2.0 km/h Wind Velocity

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2. Advanced Performance Features

Marine-Grade Durability (Heavy-Gauge SS304)

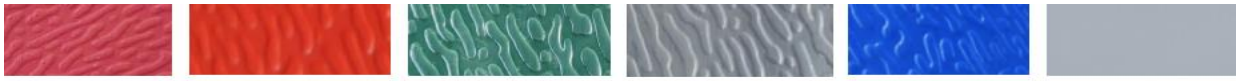
The turbine is constructed from premium **Austenitic SS304**. The heavy-gauge thickness provides superior structural integrity against high winds and impact,

while the material's high nickel content ensures maximum resistance to salt spray and industrial chemical corrosion.

Dual Base Configuration Options

We provide two specialized mounting solutions to meet specific architectural requirements:

> **FRP Casing Base:** Custom-molded Fiberglass Reinforced Plastic. Designed for a **precision fit with S-ACT Profiles**, eliminating the need for traditional flashing and preventing base-plate rust.
>
> **SS304 Plain Sheet Base:** A heavy-duty stainless steel base for flat roofs or custom curb installations where material continuity is required.



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Engineered for Longevity: The Precision Drive System

NSK Precision: Built with industry-leading **NSK bearings**, recognized as the highest standard for silent, frictionless rotation.

Lubricated for Life: The dual-sealed design prevents dust and moisture ingress, ensuring the unit remains maintenance-free.

Anti-Wobble Shaft: A reinforced center spindle maintains perfect balance at high RPMs, protecting the unit from mechanical fatigue during storms.

3. Deployment Suitability

Industrial: Large-scale Godowns and Manufacturing Plants.

Specialized: Food Processing, Pharmaceutical Labs, and Chemical Storage (High Hygiene).

Commercial: Institutional complexes and high-volume kitchens.

EXECUTIVE SUMMARY

The Cyclone SS304-700 represents the pinnacle of passive ventilation. By combining a heavy-gauge **SS304** turbine, **NSK bearing** technology, and a specialized **FRP leak-proof base**, this unit eliminates the three primary causes of ventilator failure: bearing seizure, base-plate corrosion, and roof leakage.

