

TECHNICAL PRODUCT CATALOGUE 2025

ECKERT GLOBAL

Window Specifications

Premium Window & Door Solutions

ECKERT
GLOBAL

Contents

01

Company Profile

Enterprise overview, manufacturing capabilities, and quality certifications

02

Basic Window Types

Casement window systems with inward and outward opening configurations

03

Sliding Windows & Doors

Dual-track, three-track, and panoramic sliding systems

04

Special Window Types

Micro-ventilation, side pressure, and intelligent lifting windows

05

Folding Door Systems

Wanmei folding door series with multiple track configurations

06

Hardware Accessories

Premium handles, hinges, locking systems, and smart hardware

07

113 Series Specifications

Detailed technical data for DE113 casement window series

08

Performance Standards

Thermal insulation, soundproofing, water and air tightness ratings

09

Customization Options

Color finishes and glass style selections for every project

Company Profile

Excellence in Window & Door Manufacturing Since 2005



Integrated Enterprise

Headquartered in Foshan, Guangdong, we are a comprehensive door and window enterprise integrating **research & development, manufacturing, sales, and service** for high-end door and window products.



Customized Development

Our product development considers **climate environments, customer demand differences, functional requirements, construction convenience, and safety factors** across various regions.



Quality Commitment

We provide **high-quality green, environmentally friendly, soundproof and comfortable** door and window products and services for global users.

Certifications & Standards



ISO 9001:2015

Quality Management System



GB/T 19001-2016

National Quality Standards



Industry Certified

Member of Standards Organizations

Global Partnerships

We carefully select excellent suppliers from around the world:

HOPPE

GU / G-U

BOGO

Wehag

OPK

HOPO

Basic Window Types

Casement Window Systems – Premium Performance & Design

Model	Type	Frame (mm)	Sash (mm)	Wall (mm)	Glass	Hardware
DE90A	Single Inward-Opening	90	90	1.8	5+20A+ 5	Wehag / DEEZON
DE109	Dual Inward-Opening	109	80 / 26	1.8	5+20A+ 5	Wehag / DEEZON
DE110	Outward-Opening	110	46.5 / 30	1.8	5+20A+ 5	DEEZON Custom
DE113 A	Outward-Opening	113	57.5 / 30	1.8	5+20A+ 5	German Wehag
DE113 B	Dual Inward-Opening	113	83 / 26	1.8	5+20A+ 5	Wehag / DEEZON
DE120 A	Dual Inward-Opening	120	90 / 26	1.8	5+20A+ 5	Wehag / DEEZON
DE120 B	Micro-Ventilation	120	90	1.8	5+20A+ 5	Wehag / DEEZON

Opening Modes

- 1 Inward Opening** – Full ventilation
- 2 Tilt Inward** – Secure ventilation
- 3 Combined** – Dual functionality
- 4 Outward Opening** – Space saving

Key Features

- ✓ Multi-cavity heat insulation strips
- ✓ Integrally bent aluminum strips
- ✓ Floor drain type drainage system
- ✓ Multi-point locking systems
- ✓ High-definition insect screens

Profile Wall Thickness: 1.8mm standard meets international building codes for structural integrity and thermal performance.

Sliding Windows & Doors

Smooth Operation · Maximum Views · Space Efficiency

Sliding Window Systems

DE128A

Smart Hardware

Premium sliding window with intelligent control

Frame: **128mm**

Sash: **94.8mm**

Wall: **1.8mm**

DE120C

Auto Lock

Economic sliding window with automatic deadbolt

Frame: **120mm**

Sash: **30mm**

Wall: **1.6mm**

DE128B

Floating

Floating sliding window with hidden track

Frame: **128mm**

Sash: **30mm**

Wall: **1.8mm**

Sliding Door Systems

DE127

Dual-Track

Versatile dual-track sliding door system

Frame: **127mm**

Sash: **52mm**

Wall: **2.0mm**

Glass: **5+20A+5**

★ 65mm & 93mm visible width options

DE189

Three-Track

Three-track sliding door for large openings

Frame: **192mm**

Sash: **52mm**

Wall: **2.0mm**

Glass: **5+20A+5**

★ Stainless steel track system

DE150B Panoramic Sliding Door

Frame: **150mm**

Sash: **50mm**

Wall: **2.0/3.0mm**

Glass: **6+22A+6**

🌀 Ultra-narrow 19mm visible hook profile · 1500KG load capacity

Special Window Types

Advanced Engineering for Specialized Applications



DE90B

Micro-Ventilation System

Ensures ventilation needs while providing an extremely large viewing area with **195mm fixed-width micro-ventilation fan**.

Frame: **90mm**

Fan Width: **195mm**

Glass: **5+20A+5**

K Value: **≤1.7**

- ✓ Panoramic view with controlled ventilation



DE100

Drift Internal Inverted

Combines horizontal sliding with inward tilting functionality for **large-area ventilation and micro-ventilation** capabilities.

Frame: **100mm**

Sash: **66mm**

Glass: **5+22A+5**

K Value: **≤2.5**

- ✓ Dual opening modes: slide + tilt-inward



DE120D

Side Pressure Window

Achieves **360° seamless seal** through side pressure transmission with multi-point locking system.

Frame: **120mm**

Sash: **55mm**

Glass: **5+20A+5**

Hardware: **STORO**

- ✓ Superior sealing against dust, noise, rain



DE150A

Intelligent Lifting Window

Motorized lifting system with **remote control, rain sensor, and anti-pinch function** for ultimate convenience.

Frame: **150mm**

Wall: **2.0/5.0mm**

Glass: **5+20A+5**

Control: **Smart/Remote**

- ✓ Voice control & rain-sensing automation

Folding Door Systems

Wanmei Series – Maximize Opening Space

System Specifications

DE4012 Wanmei System

Single Track: **46mm**

Triple Tracks: **138mm**

Wall Thickness: **1.8mm**

Double Tracks: **92mm**

Sash Width: **40mm**

Glass: **8mm single**

DE4015 Wanmei System

Single Track: **46mm**

Triple Tracks: **138mm**

Wall Thickness: **1.8mm**

Double Tracks: **92mm**

Sash Width: **40mm**

Glass: **8mm single**

DE4040 Wanmei System

Single Track: **46mm**

Triple Tracks: **138mm**

Wall Thickness: **1.8mm**

Double Tracks: **92mm**

Sash Width: **40mm**

Glass: **5+14A+5**

Hardware System

OPK Linkage with Buffer Pulley

- ✓ Smooth operation
- ✓ High load capacity
- ✓ Buffer damping
- ✓ Quiet movement

Flat Door Structure Options

Double-wrapped, Outward Opening

Flush exterior surface

Double-wrapped, Inward Opening

Flush exterior surface


Outward Opening, Flush Interior

Flush interior surface

Inward Opening, Flush Interior

Flush interior surface

Available Colors

-  Pearlescent White
-  Cool Black
-  New Phantom Grey
-  Moon Shadow White
-  Iron Wood Gray
-  Skin Texture Walnut

Hardware Accessories

Premium Quality Components from Global Leaders

Handle Systems

HOPPE Handles

Imported from Germany, world-recognized first-tier brand

DE-202

DE-203

Wehag Handles

Standard setter in door & window hardware innovation

DE-206

DE-207

DE-208

HOPO Handles

Shenzhen-based premium hardware manufacturer

DE-201

DEEZON Custom Handles

Independently developed, simple and aesthetically pleasing

Hinge & Locking Systems

German Wehag Hinges

- ✓ Stainless steel construction
- ✓ Excellent load-bearing capacity
- ✓ Superior wind pressure resistance

Multi-Point Locking

- ✓ Mushroom head lock points
- ✓ Strong anti-prying ability
- ✓ Excellent anti-theft performance

Additional Components

- Strip locks for screens
- Sealing rubber strips
- Insect screens
- Floor drain drainage
- Aluminum spacers
- Glass guardrails

113 Series Casement Window

Technical Specifications & Product Parameters

Product Variants

DE113A

OUTWARD-OPENING

Frame Wall

113mm

Glass Sash

57.5mm

Screen Sash

30mm

Profile Wall: 1.8mm

Glass: 5+20A+5

Hardware: German Wehag

Opening: Outward / Tilt

DE113B

DUAL INWARD-OPENING

Frame Wall

113mm

Glass Sash

83mm

Screen Sash

26mm

Profile Wall: 1.8mm

Glass: 5+20A+5

Hardware: Wehag / DEEZON

Opening: Inward / Tilt

DE113C

DOOR SYSTEM

Frame Wall

113mm

Glass Sash

66.7mm

Profile Wall

1.8mm

Glass: 5+20A+5

Hardware: Wehag / DEEZON

Opening: Inward / Outward

Opening Mode Diagrams

Outward Opening

→ Sash opens outward 90°

Outward + Downward Tilt

⊕ Dual opening functionality

Inward Opening

← Sash opens inward 90°

Tilt Inward

↖ Secure micro-ventilation

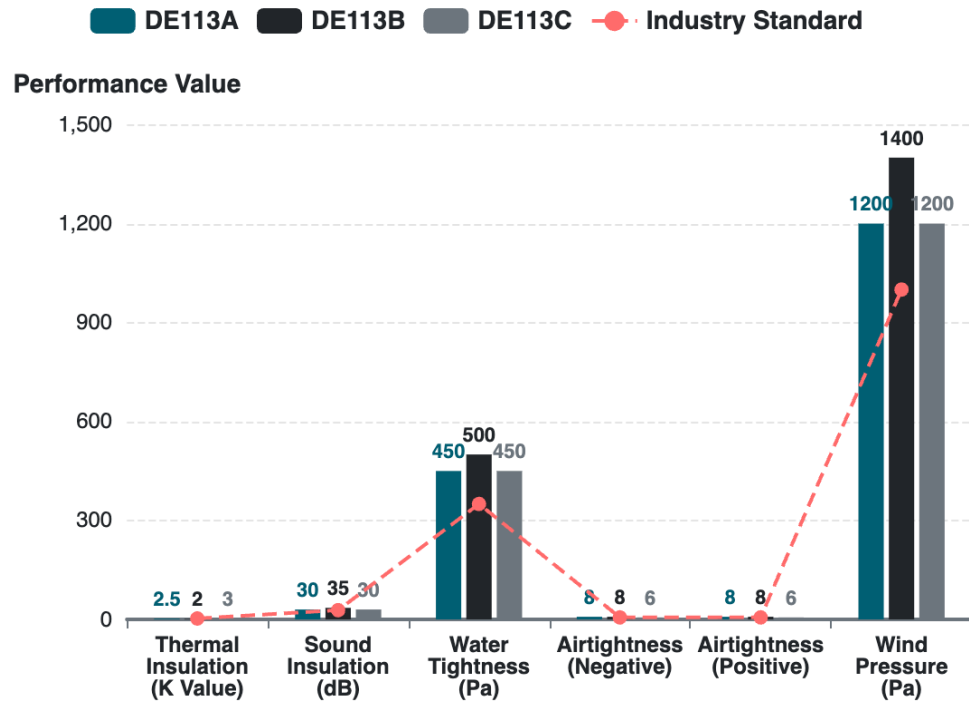
Key Features

- ✓ Integrally bent aluminum strip - High strength & stability
- ✓ Floor drain drainage - Prevents backflow
- ✓ Multi-cavity insulation - Superior thermal performance
- ✓ Rounded corner design - Safety protection

113 Series Performance Parameters

Comprehensive Testing & Certification Results

Performance Comparison Chart



DE113A Performance

Thermal Insulation (K)	≤ 2.5
Sound Insulation (dB)	≥ 30
Water Tightness (Pa)	450
Airtightness (Level)	8 / 8
Wind Pressure (Pa)	1200/3000

DE113B Performance

Thermal Insulation (K)	≤ 2.0
Sound Insulation (dB)	≥ 35
Water Tightness (Pa)	500
Airtightness (Level)	8 / 8
Wind Pressure (Pa)	1400/3000

Color & Glass Options

Tailored Aesthetics for Every Project

Frame Color Options

Interior Colors



Coffee
Warm brown tone



Deezon Grey
Modern neutral



Starry Sky Black
Deep elegant black



GUCCI Brown
Luxury finish



Rolex Gold
Premium metallic



Grey
Classic silver-grey



Enamel White
Clean bright white

Exterior Colors



Coffee



Deezon Grey



Starry Sky Black



Grey

Glass Style Options

Changhong Pattern Glass

CO2 (Ultra-clear) · CO3 (Red & Blue Gradient)

Embossed Glass

H01 (European Grey Drizzle) · H03 (Ultra-clear Crystal) · H04 (Pear Pattern) · H05 (Silk Road)

Wired Glass

JP01 · JP02 · JT01-JT08 (Various mesh patterns)

Colored Glass

S05 (European Grey) · S06 (Golden Tea) · S07 (Grey Tea) · S10-S15 (Various tints)

Oil Sand Glass

Y01 (Ultra-clear) · Y02 (Grey Tea) · Y03 (Black) · Y05-Y08 (Various finishes)

Machine-Cut Pattern

K01 (Grey with Oil Sand & Machine-cut)

Glass Configuration Options

Standard Double

5mm + 20A + 5mm

Enhanced Double

6mm + 22A + 6mm

Laminated + Insulated

5.5mm + 12mm + 11mm + 5mm

Single Laminated

3mm + Single Glass

QUALITY ASSURANCE

Built to Last

Eckert Global maintains the highest standards of quality through ISO 9001:2015 certification and rigorous quality management systems



ISO 9001:2015

Quality Management



Global Partners

World-Class Hardware



Custom Solutions

Tailored to Project



Certified Quality

Industry Standards

Contact us for customized window and door solutions

Eckert Global · Premium Window & Door Solutions

California Window Code Compliance Statement

Prepared for Client Review – Compliance with California Building Standards Code (Title 24)

This document confirms that the proposed window systems are designed and manufactured to comply with the applicable requirements of the California Building Standards Code (Title 24), including energy efficiency, structural performance, safety glazing, and certification requirements applicable to residential and light commercial construction projects in the State of California.

1. Applicable California Codes

- 1 California Building Code (CBC)
- 2 California Residential Code (CRC)
- 3 California Energy Code – Title 24 Part 6
- 4 NFRC (National Fenestration Rating Council) Certification
- 5 AAMA and ASTM testing standards for window performance

2. Energy Performance Compliance (Title 24)

Performance Requirement	Code Requirement	Manufacturer Specification
U-Factor	≤0.30	≤0.30 compliant
Solar Heat Gain Coefficient (SHGC)	≤0.23	≤0.23 compliant
Glazing Type	Double pane insulated glass	Double pane Low-E IGU
Gas Fill	Recommended	Argon filled

3. Structural Performance

- 1 Minimum Design Pressure Rating: DP 35 or greater
- 2 Structural testing in accordance with ASTM E330
- 3 Air infiltration testing according to ASTM E283
- 4 Water penetration resistance testing per ASTM E331 / ASTM E547
- 5 AAMA certified manufacturing and testing procedures

4. Safety Glazing Requirements

- 1 Tempered safety glass provided where required by CBC Section 2406
- 2 Tempered glazing in hazardous locations including near doors and bathrooms
- 3 Compliance with CRC R308 safety glazing provisions

5. Emergency Escape and Rescue Openings (Bedrooms)

- 1 Minimum clear opening area: 5.7 sq ft
- 2 Minimum opening height: 24 inches

- 3 Minimum opening width: 20 inches
- 4 Maximum sill height from finished floor: 44 inches
- 5 Compliance with California Residential Code Section R310

6. Wildland Urban Interface (WUI) Compliance

- 1 Exterior glass pane manufactured with tempered glass
- 2 Window assemblies designed to resist ember intrusion
- 3 Compliance with California Building Code Chapter 7A for wildfire zones

7. Certification and Labeling

- 1 NFRC certified window labeling on all units
- 2 Label includes verified U-Factor and SHGC values
- 3 Manufacturer provides product performance documentation
- 4 Compliance with AAMA / ASTM testing standards

The manufacturer confirms that the supplied window systems are designed to meet the applicable requirements of the California Building Standards Code (Title 24). Final compliance verification may be subject to project-specific requirements, local jurisdiction amendments, and architect or engineer review.