

ITW GSE

3500

AIR COIL



ECO
GATE

ENABLED

Efficiency meets precision

The ITW GSE 3500 Air Coil takes PCA hose management to the next level, delivering unmatched efficiency and sustainability at your gates.

REVOLUTIONARY HOSES FOR BETTER AIRFLOW

At the core of the Air Coil's exceptional performance are the new, innovative SuperHose AirTight and SuperHose KinkFree. These advanced hoses:

- Reduce air leakage by 40%, significantly improving efficiency
- Maintain optimal airflow with the ITW GSE kink-free, air-tight hose design, ensuring consistent air distribution to the aircraft
- Are designed to reduce energy dissipation, contributing to lower operational costs

TRANSFORMING GATE OPERATIONS

The Air Coil's motorized hose retriever simplifies operations, requiring just one operator. Integrated smart controls — accessible via the PCA connector or the ITW GSE control panel — enable seamless handling, allowing for smooth and fast turnarounds. Additionally, the system's design minimizes wear and tear on hoses, ensuring uninterrupted performance and increasing uptime.



OPTIMAL CABIN COMFORT, MAXIMUM EFFICIENCY

The Air Coil and high-performance hoses are engineered to work seamlessly with the 3500 PCA, optimizing the airflow right up to the aircraft inlet. This enhanced air distribution allows the 3500 PCA to operate at its full potential—delivering better results without increasing power consumption.

ADVANCE YOUR GATE ECONOMICS WITH ECOGATE

As part of ITW GSE's EcoGate system, the Air Coil integrates with other ground support equipment to optimize energy usage and gate performance. It's an intelligent solution for achieving operational excellence and sustainability goals.

SPECIFICATIONS

ITW GSE 3500 Air Coil – Automatic Hose Management System

Features

- Capacity up to 30m [100 Feet] hose (depending on hose type)
- Unit control integrated in 8" PCA connector
- Coil in and out via wireless communication
- Integrated controls with ITW GSE PCA
- Left- or right-side inlet (subject to configuration)
- 180° adjustable, lockable swivel
- Automatic hose detection for fully retracted hose
- Maintenance free direct drive gearmotor
- Compatible with mobile PCA

Airflow performance

- Max. pressure: 12.000 Pa [48 inch WC]
- Max. airflow: 10.000 m³/h [5.900 cfm]
- Air temperature: -10°C to 70°C [14°F to 158°F]

Input Supply

- Voltage range: 380-480 V ± 10%
- Frequency: 50/60 Hz ± 5 Hz
- Rated current: 6 A / 5,1 A ± 15%

Dimensions

- Inlet designed for 14" Spiral hose or fixed ducting
- Outlet designed for 14" flat hose
- Weight (without hose): approx. 190 kg [418 lbs]

Environmental data

- Operating temperature: -30°C to +50°C (-22°F to +122°F)
- Relative humidity: 10-100%
- IP class: IP54 (Electronic part)

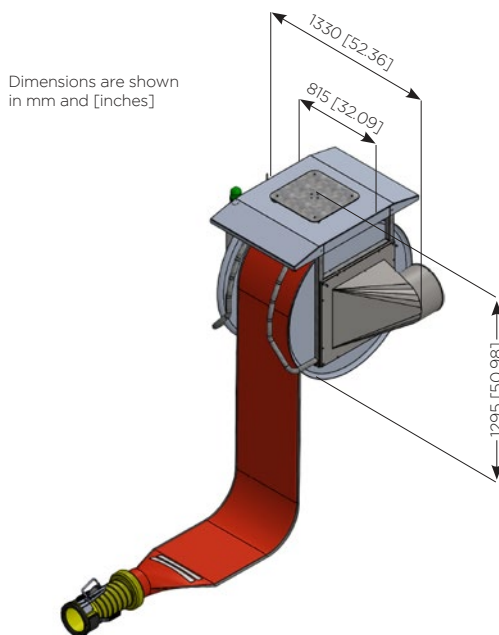


Illustration and products subject to change without prior notice

Construction

- Drum and axle: Aluminium and stainless steel
- Other materials: Anticorrosive coated steel frame
- Color: RAL 7035

Electromechanical system

- 1,1 kW gear motor
- VFD control of gear motor for smooth operation and overload protection

Available standard options

- Preloaded with ITW GSE high-performance hose
- Remote Control Box (if used with non-ITW GSE PCAs)
- Apron stand
- Straight inlet

Directive conformity

- 2014/35/EU Low Voltage Directive
- 2014/30/EU Electromagnetic Compatibility Directive
- 2006/42/EC Machinery Directive

Norms & standards

- EN61000-6-2 EMC – immunity standard
- EN61000-6-4 EMC – emission standard
- EN60204-1 – Safety of machinery
- EN1915-1&2 Machinery – general safety requirement
- EN12312-17 Aircraft ground support equipment, specific requirements

Air Coil Recommended Hoses

Assembly length	ITW GSE Hose Types	Configuration
18 m [60 Feet]	SuperHose AirTight SuperHose KinkFree	Type C
24 m [80 Feet]	SuperHose AirTight SuperHose KinkFree	Type D
30 m [100 Feet]	SuperHose AirTight SuperHose KinkFree	Type E

It's all about connections

