

PRODUCT FOCUS: CHILLED BEAMS FROM TROX UK

TROX UK DESIGN, TEST AND MANUFACTURE CHILLED BEAMS



WHY SELECT CHILLED BEAMS?

- Chilled beams are an energy efficient solution that is easy to install
- With no moving parts, chilled beams need minimal ongoing maintenance
- Are ideal for both owner occupiers or spaces requiring future configuration flexibility (future proofing)
- Can be hidden behind architectural ceiling panels, integrated into the ceiling or as a part of an exposed ceiling
- Multi service chilled beams can be tailored to the project needs and incorporate services (lighting, sensors, wifi, speakers, sprinklers etc) for an exposed/clean ceiling
- Are ideal for a range of applications, including: offices, hospitals and healthcare, hotels and education/universities

[Contact us](#) to see TROX's chilled beam reference projects or to discuss your project requirements.



CHILLED BEAM OPTIONS FROM TROX UK: STANDARD OR MULTI-SERVICE CHILLED BEAMS (MSCB)

DID614 - Four-way air discharge

L: 593 to 1248 mm
W: 593, 598, 618, 623 mm
H: 230, 245 mm
8 - 83 l/s, 30 - 300 m³/h
Cooling capacity up to 2170 W
Heating capacity up to 3000W

DID312 - Two-way air discharge

L: 893 to 3000 mm
W: 293, 300, 312 mm
H: 210, 241 mm
5 - 70 l/s; 18-252 m³/h
Cooling capacity up to 1830 W
Heating capacity up to 1240W

DID632 - Two way air discharge

L: 893 to 3000m
W: 593 to 623 mm
H: 210 mm
6 - 85 l/s. 22 - 306m³/h
Cooling capacity up to 2450 W
Heating Capacity up to 2970 W

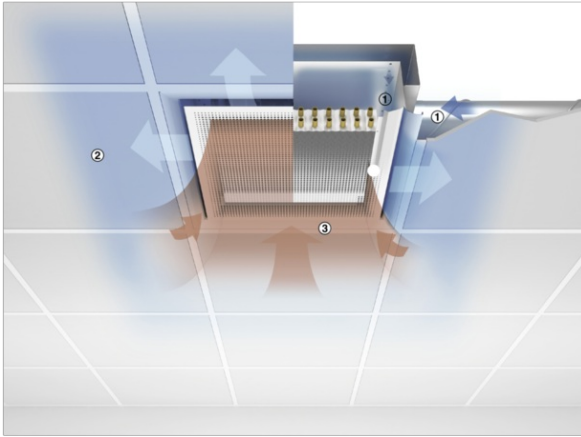
DID-E - One-way air discharge for installation into walls e.g. hotel rooms

L: 948, 1248, 1548 mm
W: 550, 614 mm
H: 200 mm (plus induced air grille)
10 - 78l/s, 36 - 281 m³/h
Cooling capacity up to 1730 W
Heating capacity up to 1480 W

DID-R - radial air discharge, circular or square diffuser face

Circular Ø: 598 mm
Square: 593, 598, 618, 623 mm
H: 250 mm
12 - 25 l/s 43 - 90 m³/h
Cooling capacity: up to 560W
Heating capacity: up to 500W

Principle of operation – DID614



- ① Conditioned fresh air (primary air)
- ② Supply air
- ③ Room air (secondary air)

TCB-RB - for ceiling installation either within a ceiling void or can be freely suspended
Nom. L: 1200 to 4500 mm
Nom. W: 250 to 600 mm
H: 200, 250, 300 mm
Cooling capacity up to 1106 W
Available with or without skirt (which provides directional control of discharge air through the ceiling into the occupied zone)



- MSCB (Multi Service Chilled Beam) designs are based around the tried and tested heat exchangers from our existing active/passive product ranges.

-Architects/consultants are invited to work directly with our design team to select the required services for product inclusion. This includes:

- Lighting/luminaires
- Sprinklers
- Detectors and sensors
- Speakers
- WiFi
- Acoustic panels

We also welcome project teams to visit our Thetford site to view design verification tests at our dedicated laboratories and product manufacture

