Insulated Flexible Duct • R-6.0

SPECIFICATION SHEET · IFD-6.0 SERIES · 10 m (≈32.8 ft) ROLL

BS476 PART 7 · CLASS 1

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1. Product description

Factory-made flexible duct for HVAC supply air: aluminium foil inner core reinforced with a coated spring-steel helix, 38 mm glass-wool insulation blanket, and aluminium foil + polyester outer jacket. Supplied in 10 m compressed rolls; site-cut to length. Used for 长距离送风、温差较大工况.

2. Size range & dimensions

Model	Nominal size	Outer Ø	Insulation	Roll length	R-value
IFD-6.0-4"-10	4″ / φ102	φ178	38	10 m (≈32.8 ft)	R-6.0
IFD-6.0-5"-10	5″ / φ127	φ203	38	10 m (≈32.8 ft)	R-6.0
IFD-6.0-6"-10	6″ / φ152	φ228	38	10 m (≈32.8 ft)	R-6.0
IFD-6.0-7"-10	7″ / φ178	φ254	38	10 m (≈32.8 ft)	R-6.0
IFD-6.0-8"-10	8″ / φ203	φ279	38	10 m (≈32.8 ft)	R-6.0
IFD-6.0-10"-10	10″ / φ254	φ330	38	10 m (≈32.8 ft)	R-6.0
IFD-6.0-12"-10	12″ / φ305	φ381	38	10 m (≈32.8 ft)	R-6.0

3. Construction

- Inner core: aluminium foil + PET, helically wound
- Reinforcement: coated spring-steel wire helix
- Insulation: centrifugal glass wool, 38 mm, R-6.0
- Outer jacket: aluminium foil + polyester, UV resistant
- Joint: foil tape, overlap ≥ 50 mm

4. Performance

- Thermal resistance: R-6.0 (imperial)
- Fire: BS476 Part 7 · Class 1
- Temperature range: −30 ℃ to +140 ℃ (continuous)
- Working pressure: up to 2500 Pa (with support)
- Bending radius: ≥ 1.5 × outer Ø

5. Packing & shipping

- 10 m roll, compressed, PE bag + carton
- Roll Ø ≈ 380–520 mm depending on size
- 20′ GP: approx. 220–260 rolls (size dependent)
- 40′ HQ: approx. 480–560 rolls
- HS code: 7307.99 (steel helix) — confirmed per shipment
- MOQ: 1 roll for sample, mixed sizes accepted
- Lead time: by actual order quantity, to be confirmed
- Port: Guangzhou / Shenzhen

Values are typical production data for reference. Final specification, packing and price are confirmed per order and per destination market. Custom sizes, lengths and jacket colours available on request.