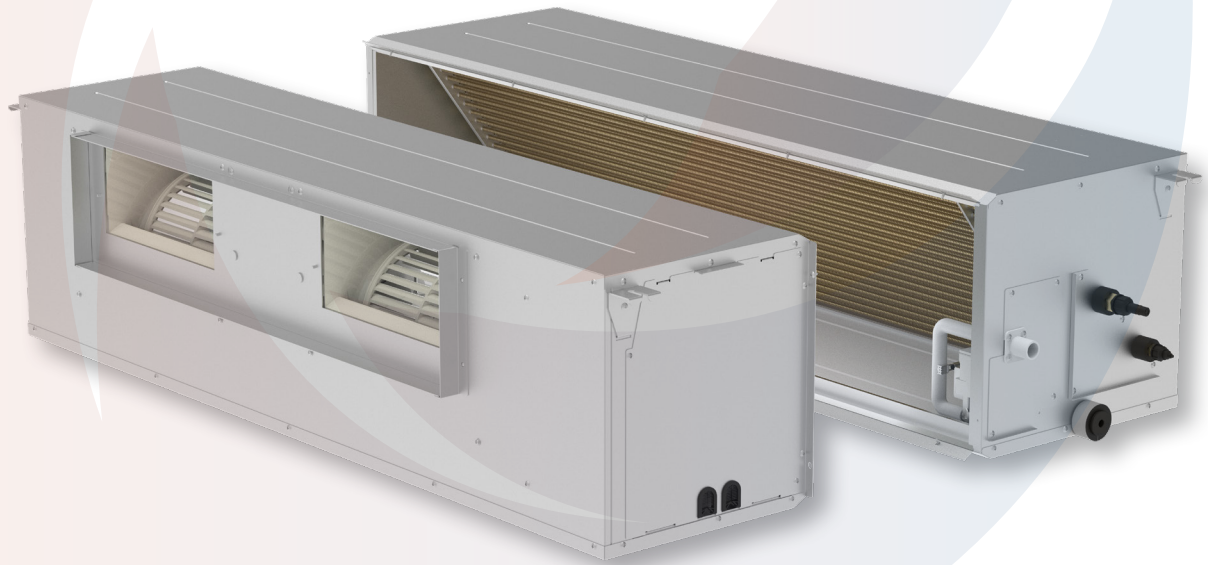




Ducted System Air Conditioners

RANGE 10kW TO 16kW

Advanced Black Fin Coating Technology for
Enhanced Durability and Corrosion Resistance



Contents

Introduction	3
TECO Ducted System	4
Specification	5
Black Fin Protection	6

Creating comfortable sustainable living solutions, aiming for a greener tomorrow.



GLOBAL EXPERTISE WITH LOCAL SUPPORT

Operating in over 40 countries across all five continents.



FAST, RELIABLE SERVICE

Experience fast, reliable service that meets your needs with efficiency and trust every time.



LOCAL IN-HOUSE SERVICE

Quick, expert support for all your appliance needs - ensuring seamless operation and customer satisfaction.

TECO Home Appliances stands at the forefront of modern living, embodying innovation, reliability, and eco-conscious design.

Our division is renowned for its comprehensive range of high-quality products. This includes air conditioners, as well as kitchen, laundry, and living appliances, each engineered to enhance the comfort and convenience of your home.

Each TECO appliance is crafted with the user in mind, combining sleek, modern designs with intuitive interfaces for seamless integration into daily life.

Our focus on ergonomic and aesthetic design ensures that our products not only perform exceptionally but also complement your home's decor.

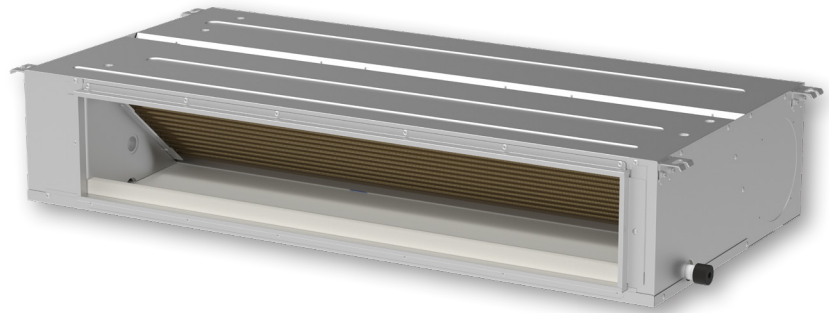
Our mission is to positively impact lives daily by combining global expertise with local support to deliver exceptional products.

TECO Home Appliances is synonymous with trust, worthiness, affordability, and assurance.

TECO DUCTED SYSTEM

TECO Ducted Systems offer a sophisticated all-in-one HVAC solution engineered for precise temperature regulation and superior air distribution.

Equipped with advanced airflow technology and energy-efficient components, TECO systems ensure consistent comfort levels, whether in a domestic or commercial setting.



TECO Ducted Systems are available in a wide range of sizes, ensuring perfect suitability for any space - be it a home or a bustling business.

KEY FEATURES		TECHNICAL SPECIFICATIONS
<ul style="list-style-type: none"> Black fin corrosive protection outdoor unit Quiet Operation Ioniser Brushless DC inverter motor Goldfin protection for 	<ul style="list-style-type: none"> the indoor evaporator fan coil Built-in drain pump Splittable Fan Deck (Select Models) Zoning Compatible WiFi enabled 	<ul style="list-style-type: none"> Compact Design 260~360mm heights Single-Phase range Compatibility: Seamlessly integrates with most zoning solutions Mid Static (10.0kW) and High Static (12.5~16.0kW) models High Airflow \approx 1000 l/s

Why Choose the TECO Ducted System?

Outstanding After-Sales Service

- * Gain peace of mind knowing our dedicated support team is always ready to assist you, ensuring your system runs smoothly long after installation.

Unmatched Warranty

- * Rest easy with a robust 5-year Parts & Labour Warranty, demonstrating TECO commitment to superior quality and long-term reliability.

Fast and Reliable Delivery

- * Enjoy the convenience of having your TECO ducted system delivered swiftly, thanks to our well-stocked inventory of High Static - Splittable Fan Decks (applicable models).

SPECIFICATIONS				
Indoor Unit Type	Ducted	Splittable Ducted	Splitalbe Ducted	Splitable Ducted
Cooling Capacity	10	12.5	14	16
Heating Capacity	12	14	16	18
Indoor Dimension of Outline(W x D x H)	1340 x 655 x 260	1350 x 720 x 360	1350 x 720 x 360	1350 x 720 x 360
Indoor Net Weight (Net/Gross)	43 / 49	57 / 67	60 / 70	60 / 70
Outdoor Dimension of Outline(W x D x H)	940 x 370 x 820	940 x 370 x 820	900 x 340 x 1260	900 x 340 x 1260
Outdoor Net Weight (Net/Gross)	67 / 79	67 / 79	90 / 99	97 / 106

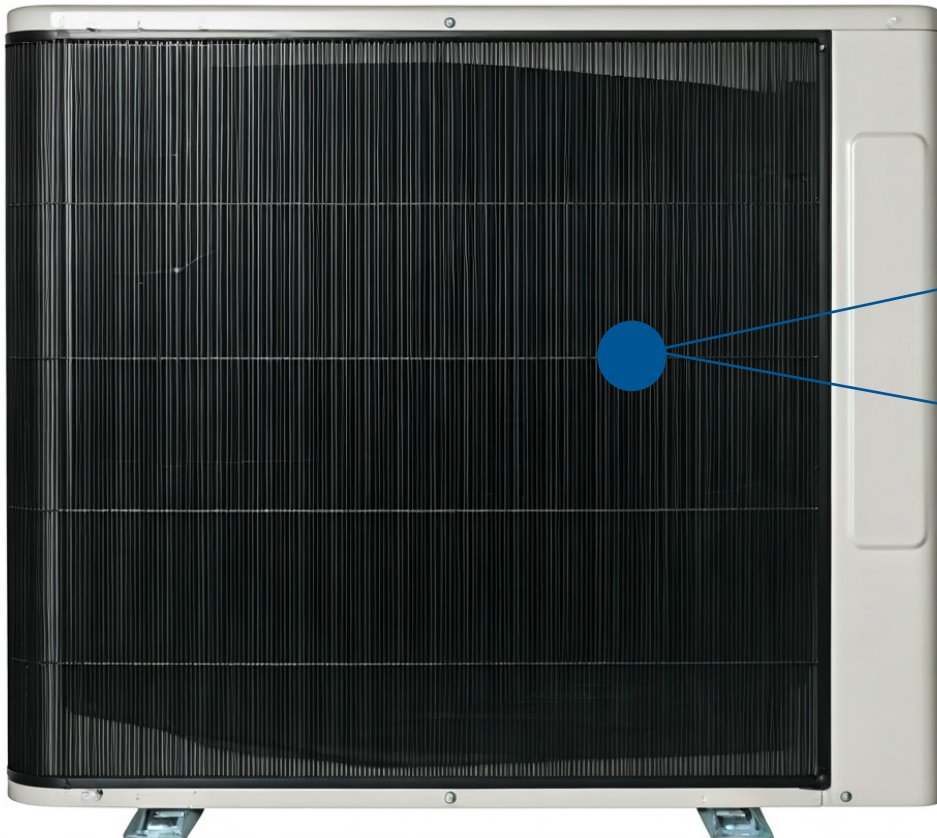
SPECIFICATION

Indoor Unit Type		Ducted	Splitable Ducted	Splitabe Ducted	Splitable Ducted
TECO Model		TDS-TS0100HVWDG	TDS-TS0125HVSWDG	TDS-TS0140HVSWDG	TDS-TS0160HVSWDG
Indoor Model		TDS100HVWDG	TDS125HVSWDG	TDS140HVSWDG	TDS160HVSWDG
Outdoor Model		TS0100HVWDG	TS0125HVWDG	TS0140HVWDG	TS0160HVWDG
Cooling Capacity	kW	10	12.5	14	16
Cooling Capacity Range	kW	3.00-11.70	3.60-14.00	4.20-16.00	4.80-18.00
Heating Capacity	kW	12	14	16	18
Heating Capacity Range	kW	3.60-13.50	4.20-15.00	4.80-17.00	5.40-20.00
AEER	--	3.7	3.4	3.5	3.3
ACOP	--	4.0	3.8	3.8	3.8
Cooling Star Rating (Hot/Avg/Cold)		4 / 3.5 / 4	4 / 3.5 / 4	3.5 / 3 / 3	3.5 / 3 / 3.5
Heating Star Rating (Hot/Avg/Cold)		3 / 2.5 / 2	3.5 / 2.5 / 2	3 / 2.5 / 2	3.5 / 2.5 / 2
Cooling Current Input Range	A	2.30-20.00	3.20-25.00	3.70-28.00	4.10-32.00
Heating Current Input Range	A	2.70-20.00	3.70-25.00	4.10-28.00	4.60-32.00
Standby power consumption	W	4	5.1	12.5	9.8
Indoor Air Flow Volume (P-Hi / H / M / L)	m ³ /h	2100/1900/1700/1400	2800/2500/2200/1800	3200/2800/2400/2000	3500/3100/2700/2300
External Static Pressure Range	Pa	0-160	0-200	0-200	0-200
Indoor Sound Pressure Level (H/M/L)		42 / 41 / 40	42 / 40 / 39	45 / 43 / 41	50 / 48 / 46
Outdoor Sound Pressure Level (H)		58	59	59	60
Rated Voltage	V	220-240	220-240	220-240	220-240
Phase		1	1	1	1
Compressor Type		Inverter Rotary	Inverter Rotary	Inverter Rotary	Inverter Rotary
Indoor Fan Type		Centrifugal	Centrifugal	Centrifugal	Centrifugal
Outdoor Fan Type		Axial-flow	Axial-flow	Axial-flow	Axial-flow
Outdoor Fan Quantity		1	1	2	2
Fan Motor Drive Type		Direct	Direct	Direct	Direct
Cooling Operation Ambient Temperature Range		-15~52	-15~52	-15~52	-15~52
Heating Operation Ambient Temperature Range		-15~24	-15~24	-15~24	-15~24
Defrosting Method	--	Auto defrost	Auto defrost	Auto defrost	Auto defrost
Isolation		I	I	I	I
Outdoor Moisture Protection	--	IPX4	IPX4	IPX4	IPX4
Refrigerant		R32	R32	R32	R32
Refrigerant Charge	kg	2.2	2.4	2.8	3.3
Not Additional Gas Connection Pipe Length	m	15	15	15	15
Connection Pipe Gas Additional Charge	g/m	25	25	35	35
Connection Liquid Pipe	mm	9.52mm / (3/8")	9.52mm / (3/8")	9.52mm / (3/8")	9.52mm / (3/8")
Connection Gas Pipe	mm	15.88mm / (5/8")	15.88mm / (5/8")	15.88mm / (5/8")	15.88mm / (5/8")
Connection Pipe Max. Height Distance	m	30	30	30	30
Connection Pipe Max. Length Distance	m	75	75	75	75
Indoor Dimension of Outline (W x D x H)	mm	1340 x 655 x 260	1350 x 720 x 360	1350 x 720 x 360	1350 x 720 x 360
Indoor Net Weight (Net)	kg	43	57	60	60
Outdoor Dimension of Outline (W x D x H)	mm	940 x 370 x 820	940 x 370 x 820	900 x 340 x 1260	900 x 340 x 1260
Outdoor Net Weight (Net)	kg	67	67	90	97

Advanced Black Fin Technology for HVAC Durability in Australia

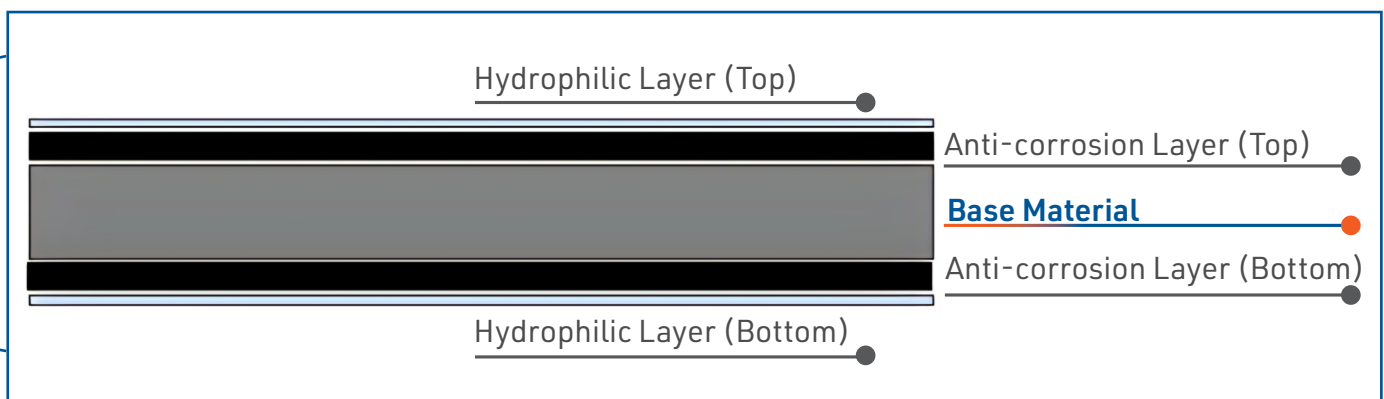
Black Fin Corrosive Protection Technology represents the next step in HVAC durability, specifically designed to withstand the harsh Australian environment. This innovative technology builds upon the success of the previous Blue Fin products, offering an enhanced level of protection and performance.

- **Extended Lifespan:** The Black Fin technology dramatically reduces corrosion, significantly extending the operational life of your ducted system. The advanced coating applied to the system's fins forms a durable, anti-corrosive layer that fights off rust and decay, ensuring long-term reliability.
- **Enhanced System Performance:** By preventing corrosion, the system maintains optimal performance and energy efficiency. This leads to consistent operation and reduced energy consumption, providing both environmental and economic benefits.
- **Reduced Maintenance Costs:** Fewer issues with rust and decay translate to lower maintenance and repair expenses over the system's lifetime. This reduction in upkeep requirements ensures that the system remains cost-effective and reliable over the long term.
- **Superior Reliability:** With Black Fin Protection, you can trust that your TECO Ducted System will withstand harsh conditions, providing consistent comfort in both commercial and industrial applications. This technology ensures that the system remains robust and dependable, even in the most demanding environments.



BLACK FIN PROTECTION

- **Hydrophilic Layer (Top):** This outermost layer is composed of hydrophilic materials that repel water. It enhances cooling efficiency by ensuring rapid dispersion of moisture, which improves heat exchange performance and reduces the risk of corrosion caused by water accumulation.
- **Anti-corrosion Layer (Top):** Applied directly beneath the hydrophilic layer, this layer is formulated with advanced anti-corrosion compounds. It provides a robust barrier against environmental corrosive agents, significantly extending the lifespan of the HVAC components and reducing maintenance needs.
- **Base Material:** The core of the structure, typically made from 3102 aluminum alloy with over 90% aluminum content.
 - * Thickness: Customisable between 0.093mm and 0.115mm
 - * Alloy Grade: 3102 aluminum, ensuring good thermal conductivity.
 - * Main Alloy Element: Manganese (Mn), enhancing the strength of the fins.It ensures optimal heat transfer efficiency while maintaining high durability. The aluminum base alloy is free of heavy metals, ensuring it is safe for human contact and environmentally friendly.
- **Anti-corrosion Layer (Bottom):** Another layer of anti-corrosion protection, mirroring the first anti-corrosion layer's composition and function. It provides an additional level of defense against corrosion, enhancing the overall durability and reliability of the HVAC system components.
- **Hydrophilic Layer (Bottom):** Similar to the top hydrophilic layer, it is designed to repel water and enhance cooling efficiency. It ensures the fins remain free of water accumulation from both sides, maximizing the efficiency of the heat exchange process and maintaining consistent performance over time.





Ducted System Air Conditioners

PRODUCT CATALOGUE AUGUST 2024

HEAD OFFICE AUSTRALIA

TECO Australia Pty Limited
335-337 Woodpark Road,
Smithfield NSW 2164

P: +61 2 9765 8118
F: +61 2 9765 8185

E: hadsales.central@teco.com.au
W: www.teco.com.au

VIC/SA/TAS

TECO Australia Pty Limited
16 Longstaff Road,
Bayswater VIC 3153

P: +61 3 9720 4411
E: hadsales.central@teco.com.au

WA

TECO Australia Pty Limited
18 Hazelhurst Street,
Kewdale WA 6105

P: +61 8 9479 4879
E: hadsales.wa@teco.com.au

QLD

TECO Australia Pty Limited
50 Murdoch Circuit,
Acacia Ridge QLD 4110

P: +61 7 3373 9600
E: hadsales.central@teco.com.au