LENNOX

Ducted Split Systems

Reverse Cycle,
Inverter Air Conditioner

R410A ODP=0

MEPS COMPLIANT

ISO 9001

Exclusively distributed by

HEATCRAFT™ Worldwide Refrigeration

As a global leader in comfort solutions, Lennox® Inverter Ducted Systems are designed for all-year-round comfort, reliability and energy efficiency.

Around the world, Lennox is a respected leader in climate control solutions. With a long history of technical innovation, Lennox has been heating and cooling homes and offices around the globe for over 120 years.

The Lennox range of Inverter Ducted Split Systems has been designed to deliver comfort all year round. Ducted air conditioning can quickly heat or cool the whole house or just a few zones for efficient operation.

Backed with a 5-year warranty for residential applications, you will have peace-of-mind that Lennox air conditioners provide you with years of trouble free operation.

Ducted

The low-profile ducted can be installed in low roof / ceiling plenum spaces, making it the ideal choice for discreet whole of home comfort.

5 YEAR WARRANTY

COMPLIANT MEPS MINIMUM ENERGY PERFORMANCE STANDARDS COMPLIANT

Ducted Split System

Reverse-Cycle Inverter

The Lennox Inverter Ducted Split System is designed for optimised whole-of-home or office comfort whilst minimising running costs.

For comfort you can depend on, the ducted indoor unit is discreetly installed in your roof / ceiling plenum space to provide effortless heating and cooling all-year-round.

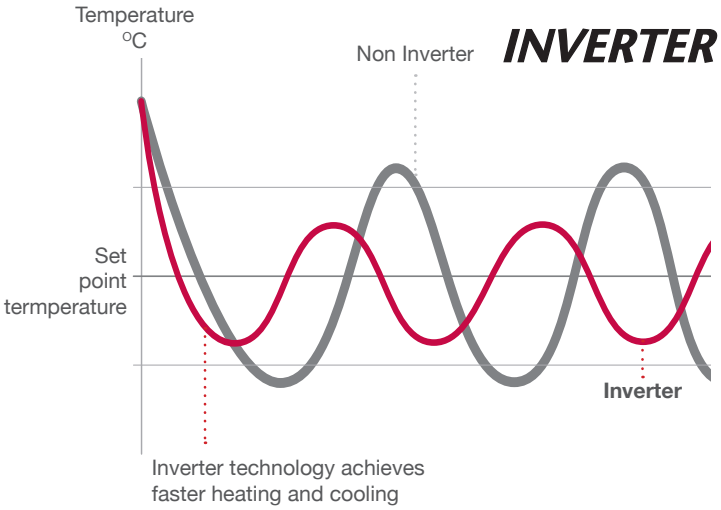
Features & Benefits

Advanced inverter technology achieves better temperature control with less running costs

Advanced inverter technology can vary the system capacity to better match the heat load of your room.

This delivers:

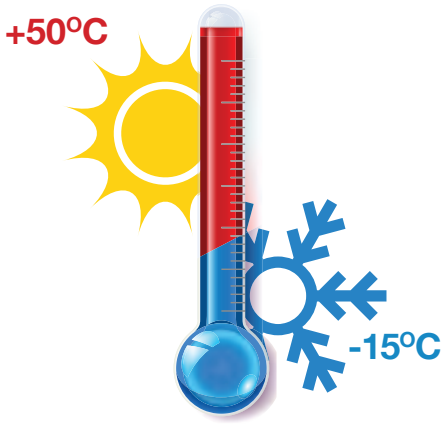
- Faster, more powerful cooling and heating when you need it most
- Better temperature control
- Lower running costs when compared with traditional fixed speed systems.



Inverter technology achieves faster heating and cooling

Engineered to perform

The Lennox Inverter Ducted Split System has been engineered to perform in the harshest conditions with a superior operating range of up to +50°C and down to -15°C ambients, to provide continuous operation during heatwaves and coldsnaps.



Peace of mind

The Lennox Inverter Ducted Split System is backed with a 5 year warranty. All units are Minimum Energy Performance Standard (MEPS) compliant and manufactured in an accredited ISO9001 Quality Assurance System environment.

5 YEAR WARRANTY

MEPS COMPLIANT

- Self-diagnosis and auto-protection
- Auto Defrosting
- Emergency Usage Function
- Refrigerant Leakage Detect
- 5 Grades Outdoor Fan Speeds
- Blue Fin Corrosion Protection for Coils
- DRED — Demand Response Enabling Device Compatible (on ODU)

Better Comfort

Smart inverter technology delivers faster heating and cooling when you need it most.

- Variable Indoor Fan Speed
- Low Ambient Cooling
- Anti-cold Air Function

User Friendly

- Auto Restart Function
- Timer

Energy Saving

- Inverter Technology
- Demand Response Enabling Device Compatible (on ODU)

Low-Profile Design

The low profile design allows the indoor unit to be installed in tight roof / ceiling spaces.

Health

- High Density Filter

Controls

Specifications

Performance Specifications*

Model Number (Reverse Cycle)	Indoor Unit - Ducted (High-Static)	Units	LED070V6	LED100V6	LED125V6	LED140V6	LED170V6
Cooling	Capacity (Min. – Max.)	kW	7 (2.8-8.4)	10 (4-12)	12.5 (5-15)	14 (5.6-16.1)	17 (6.8-19.5)
	Input Power (Min. – Max.)	kW	2.12 (0.64-2.55)	3.05 (0.92-3.64)	3.785 (1.15-4.55)	4.25 (1.29-4.25)	5.155 (1.56-5.95)
	Current (Min. – Max.)	A	9.7 (2.9-11.5)	13.9 (4.1-16.2)	17.5 (5.1-20.2)	19.5 (5.8-21.7)	23.7 (7-26.5)
	AEER	W/W	3.25	3.24	3.27	3.27	3.38
	Star Ratings	SRI	2.0	1.5	2.0	2.0	2.0
Heating	Capacity (Min. – Max.)	kW	8 (3-9)	10.5 (4.2-12.5)	14 (5-17.5)	16.8 (5.8-20)	17.5 (7-21)
	Input Power (Min. – Max.)	kW	2.4 (0.9-2.9)	3.18 (1.25-3.8)	3.9 (1.5-5.7)	4.3 (1.7-6.2)	4.6 (2.05-6.25)
	Current (Min. – Max.)	A	11 (4.5-12.8)	14.7 (5.8-17.6)	18 (7-24)	19.5 (7.8-28)	23.7 (9.5-28.5)
	ACOP	W/W	3.29	3.27	3.56	3.88	3.78
	Star Ratings	SRI	2.0	2.0	2.5	3.0	3.0
Indoor Unit	Rated Current	A	1.5	2.8	2.8	2.8	3.0
	Rated Input	W	200	450	450	450	600
Indoor Fan Motor	Number of Fan Motors	Qty	1	1	1	1	1
	Output	W	160	300	560	560	700
	Speed (Hi/Med/Lo)	r/min	1030/880/800	850/750/650	870/770/670	870/770/670	1000/920/800
Indoor Coil	Number of Rows	Qty	3	4	3	4	4
	Tube Pitch(a) × Row Pitch(b)	mm	21x13.37	21x13.37	25.4x22	25.4x22	25.4x22
	Fin Spacing	mm	1.4	1.4	1.5	1.5	1.5
	Fin Type (code)	Material	Hydrophilic Aluminium	Hydrophilic Aluminium	Hydrophilic Aluminium	Hydrophilic Aluminium	Hydrophilic Aluminium
	Tube OD & Type	mm	Ø7, inner groove tube	Ø7, inner groove tube	Ø9.52, inner groove tube	Ø9.52, inner groove tube	Ø9.52, inner groove tube
	Coil Length × Height × Width	mm	915x294x40.11	1175x294x53.48	1055x356x88	1055x356x88	1195x457x88
	Number of Circuits	Qty	7	7	7	7	9
Power Supply		V- Ph-Hz	220~240-1-50	220~240-1-50	220~240-1-50	220~240-1-50	220~240-1-50
Indoor Air Flow (Hi/Med/Lo)		L/Sec.	388/319/272	555/458/361	902/763/638	916/791/652	1055/888/819
External Static Pressure	Rated	Pa	25	37	50	50	50
	Range	Pa	0-160	0-160	0-200	0-200	0-200
Indoor Noise Level (Hi/Med/Lo)		dB(A)	45/41/38	49/46/42	49/46/42	49/45/42	49/46/42
Indoor Unit	Dimension (W x D x H)	mm	1100x720x248	1360x720x248	1200x625x380	1200x625x380	1400x858x440
	Packing (W x D x H)	mm	1305x805x305	1570x805x305	1485x675x450	1485x675x450	1605x910x505
	Net/Gross Weight	kg	31/38	40/48	54/60	54/60	75/83
Design Pressure	Discharge/Suction	MPa	4.2/1.5	4.2/1.5	4.2/1.5	4.2/1.5	4.2/1.5
Drain Connection	Pipe Size	mm	ODØ25	ODØ25	ODØ25	ODØ25	ODØ25
Refrigerant Piping	Liquid-Side/Gas-Side	mm (")	Ø9.52/Ø15.9 (3/8"/5/8")	Ø9.52/Ø15.9 (3/8"/5/8")	Ø9.52/Ø19 (3/8"/3/4")	Ø9.52/Ø19 (3/8"/3/4")	Ø9.52/Ø19 (3/8"/3/4")
Controller		Standard	Wired	Wired	Wired	Wired	Wired
Operation Temperatures	Cooling	°C	17~32	17~32	17~32	17~32	17~32
	Heating	°C	0~30	0~30	0~30	0~30	0~30

Note : Specifications may change without notice. Please refer to your Heatcraft Account Manager / Field Engineer for further clarifications where required.

* Thermal data is in accordance with AS/NZS3823.1.2 & AS/NZS3823.2 standards.

Performance Specifications*

Model Number (Reverse Cycle)	Outdoor Unit - Ducted	Units	LCD070V6	LCD100V6	LCD125V6	LCD140V6	LCD170V6
Maximum Power Input		W	3000	3900	5500	5500	6000
Maximum Current		A	16.0	21	26	26	30.0
Starting Current		A	2.5	3.0	3.5	4.0	4.0
Power Supply		V-ph-Hz	220~240-1-50	220~240-1-50	220~240-1-50	220~240-1-50	220~240-1-50
Compressor	Design	Type	Twin-Rotary	Twin-Rotary	Twin-Rotary	Twin-Rotary	Twin-Rotary
	Brand	Make	GMCC	GMCC	GMCC	GMCC	GMCC
	Input Power	W	1970	3010	4080	4080	4080
	Rated Current (RLA)	A	7	13.5	19.6	19.6	19.6
Outdoor Fan Motor	Number of Fan Motors	Qty	1	1	2	2	2
	Input	W	120	180	85	85	160
	Speed	r/min	850	750	850	850	1100
Outdoor Coil	Number of Rows	Qty	2	3	2	3	3
	Tube Pitch(a) x Row Pitch(b)	mm	21x13.37	21x13.37	21x22	21x13.37	21x13.37
	Fin Spacing	mm	1.4	1.4	1.2	1.4	1.4
	Fin Type	Material	Hydrophilic Aluminium	Hydrophilic Aluminium	Hydrophilic Aluminium	Hydrophilic Aluminium	Hydrophilic Aluminium
	Tube OD & Type	mm	Ø7, inner groove tube	Ø7, inner groove tube	Ø7, inner groove tube	Ø7, inner groove tube	Ø7, inner groove tube
	Coil Length x Height x Width	mm	1005x756x26.74	1000x756x40.11	980x1260x44	985x1260x40.11	985x1260x40.11
	Number of Circuits	Qty	6	6	10	14	14
Outdoor Air Flow		L/Sec.	972	1527	1944	2000	2083
Outdoor Noise Level (Sound Pressure)		dB(A)	58	61	62	62	62
Outdoor Noise Level (Sound Power)		dB(A)	69	70	71	71	71
Expansion Device/Throttle Type		Type	Capillary + ExV	Capillary + ExV	Capillary + ExV	Capillary + ExV	Capillary + ExV
Outdoor unit	Dimension (WxDxH)	mm	946x410x810	946x410x810	952x415x1333	952x415x1333	952x415x1333
	Packing (WxDxH)	mm	1090x500x865	1090x500x865	1095x495x1480	1095x495x1480	1095x495x1480
	Net/Gross Weight	kg	61/66.5	68.5/74	100/114	116/130	116/130
Refrigerant	Type	HFC	R410A	R410A	R410A	R410A	R410A
	Charged Volume (15m pipe length)	kg	2.9	3.8	4.5	4.9	4.9
Additional Refrigerant Charge	Per Linear Metre	kg	0.03	0.03	0.03	0.03	0.03
Design Pressure	Discharge/Suction	MPa	4.2/1.5	4.2/1.5	4.2/1.5	4.2/1.5	4.2/1.5
Refrigerant Piping	Liquid-Side/Gas-Side	mm (")	Ø9.52/Ø15.9 (3/8"/5/8")	Ø9.52/Ø15.9 (3/8"/5/8")	Ø9.52/Ø19 (3/8"/3/4")	Ø9.52/Ø19 (3/8"/3/4")	Ø9.52/Ø19 (3/8"/3/4")
	Max. Pipe Length	m	50	65	65	65	65
	Max. Height Difference	m	25	30	30	30	30
Ambient Operation Temperatures	Cooling	°C	-15 ~ 50	-15 ~ 50	-15 ~ 50	-15 ~ 50	-15 ~ 50
	Heating	°C	-15 ~ 24	-15 ~ 24	-15 ~ 24	-15 ~ 24	-15 ~ 24

Note : Specifications may change without notice. Please refer to your Heatcraft Account Manager / Field Engineer for further clarifications where required.

* Thermal data is in accordance with AS/NZS3823.1.2 & AS/NZS3823.2 standards.

Lennox is a leading global name in climate control solutions. The Lennox range offers a solution for any HVAC application and includes residential air conditioners, furnaces and heat pumps, plus commercial packaged units, air handling systems, chillers, comfort controls and indoor air quality systems.

All Lennox equipment is designed to optimise energy efficiency, cost of ownership and ease of installation.

With over 120 years of manufacturing history you can purchase Lennox with confidence that we are continually providing innovation, quality products and services.

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