

LENNOX HI-WALL SPLIT SYSTEM AIR CONDITIONERS


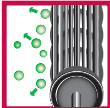
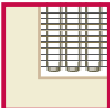



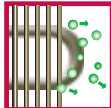
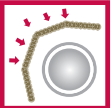

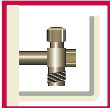
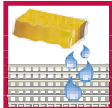



INTRODUCTION

Introducing the Lennox Comofrt Series of wall mounted split systems. All round comfort with the added luxury and quality you'd expect from Lennox.

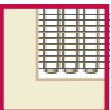




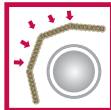


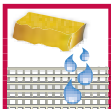
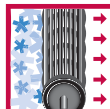

all round comfort

Comprising of finely crafted mini-split air conditioners, the new Lennox Comfort Series stands testament to this and now compliments our entire range of home comfort solutions. Each unit also has its own range of technical features to suit all types of environments and capacity requirements.

FEATURES OF INVERTER VARIABLE SPEED COMPRESSOR RANGE

Inverter  The energy-saving Inverter compressor offers variable speed for flexibility when cooling or heating. This allows set temperatures to be reached and maintained more efficiently than other units with constant speed compressors.	Antibacterial Fan  Using a unique antibacterial treated fan prevents the proliferation of moulds and bacteria.	Golden Anti Corrosive Condenser  The Golden Hydrophilic Condenser coil is superior against corrosion, increasing the operational life of the entire unit.	Trapeziform Inner Groove Tube  The trapeziform tube structure of the heat exchangers maximises internal surface area, improving efficiency while reducing power consumption.	Hydrophilic Fin  By unrestricted the flow of condensate over the indoor and outdoor coils, the Hydrophilic Fin significantly improves cooling and heating efficiency.	Two-Direction Air Vane Technology  Microcomputer controlled two way rotary air vane technology distributes air efficiently from the indoor unit in both heat mode & cool mode.	Antibacterial Indoor Coil  The antibacterial coated bio-evaporator prohibits the proliferation of mould and bacteria on the indoor unit.
3 or 4 Bend Heat Exchanger  The unique ripple construction of the evaporator, increases surface area to improve overall efficiency of the unit.	Anti Rust Cabinet  The outer casing of each unit is made from Electrolytic Zinc Steel and anti-rust coated components to withstand the elements.	Service Valve Protection Cover  Service valves are covered for protection from all weather conditions.	Easy Washable Panel  The front cover is simple to remove for easy cleaning and changing of filters.	Anti Cold Air  When in heating mode the fan speed is controlled during defrosting at start-up to prevent unwanted cool air being discharged indoors.	Auto Restart  If the power supply is briefly interrupted and then restored, the air conditioner memory automatically resumes to the settings previously selected.	Self Diagnosis & Auto Protection  Any operational error within the unit is detected electronically and a self diagnosis message reads on the indoor LED. The unit then automatically switches itself to protection mode.

FEATURES OF STANDARD FIXED SPEED COMPRESSOR RANGE

Golden Anti Corrosive Condenser  The Golden Hydrophilic Condenser coil is superior against corrosion, increasing the operational life of the entire unit.	Soft Starter NAA00015/20 Only  By keeping the starting current of the unit below the prescribed maximum, Soft Starter prevents household circuit interference.	Trapeziform Inner Groove Tube  The trapeziform tube structure of the heat exchangers maximises internal surface area, improving efficiency while reducing power consumption.	Hydrophilic Fin  By unrestricted the flow of condensate over the indoor and outdoor coils, the Hydrophilic Fin significantly improves cooling and heating efficiency.	Two-Direction Air Vane Technology  Microcomputer controlled two way rotary air vane technology distributes air efficiently from the indoor unit in both heat mode & cool mode.	3 or 4 Bend Heat Exchanger  The unique ripple construction of the evaporator, increases surface area to improve overall efficiency of the unit.
Anti Rust Cabinet  The outer casing of each unit is made from Electrolytic Zinc Steel and anti rust coated components to withstand the elements.	Service Valve Protection Cover  Service valves are covered for protection from all weather conditions.	Easy Washable Panel  The front cover is simple to remove for easy cleaning and changing of filters.	Anti Cold Air  When in heating mode the fan speed is controlled during defrosting at start-up to prevent unwanted cool air being discharged indoors.	Auto Restart  If the power supply is briefly interrupted and then restored, the air conditioner memory automatically resumes to the settings previously selected.	Self Diagnosis & Auto Protection  Any operational error within the unit is detected electronically and a self diagnosis message reads on the indoor LED. The unit then automatically switches itself to protection mode.

Lennox hi-wall split system air conditioners

VARIABLE SPEED COMPRESSORS

SPECIFICATIONS	DC INVERTER			AC INVERTER
	LN10302541005 NAA00050	LN10303541005 NAAA00055	LN1030461005 NAA00060	LN10206102205 NAA00045
COOLING/HEATING CAPACITY (kW)	2.64/2.93	3.52/4.10	4.69/5.13	6.31/7.80
COOLING MIN/MAX (kW)	0.60/3.29	0.68/4.24	1.33/6.59	2.78/7.33
HEATING MIN.MAX (kW)	0.70/4.04	0.82/6.00	1.31/7.32	3.52/8.79
COMPRESSOR TYPE	Rotary/GD Toshiba	Rotary/GD Toshiba	Rotary/GD Toshiba	Rotary/GD Toshiba
VOLTAGE/PHASE/FREQUENCY	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50
RATED CURRENT COOLING (A)	3.3 (1.5 - 7.0)	4.8 (1.5 - 8.5)	7.7 (1.9 - 11.9)	12.0 (6.4 - 15.5)
RATED CURRENT HEATING (A)	4.8 (1.5 - 7.5)	5.1 (1.5 - 10.0)	7.7 (1.9 - 12.0)	14.0 (7.7 - 17.3)
RATED INPUT COOLING (W)	760 (250-1360)	1070 (270 - 1750)	1720 (430 - 2750)	2450 (1250 - 3100)
RATED INPUT HEATING (W)	780 (250-1360)	1120 (260 - 2050)	1720 (430 - 2850)	2800 (1600 - 3450)
MAXIMUM CURRENT (A)	10	12	18	21
STARTING CURRENT (A)	10	12	15	20
MAXIMUM INPUT (W)	1900	2550	4000	3450
NET WEIGHT INDOOR/OUTDOOR (Kg)	8.5/42	10/42	13/63	17/60
DIMENSIONS - INDOOR (mm)	750 X 250 X 205	815 X 280 X 215	920 X 292 X 225	1080 X 330 X 222
DIMENSIONS - OUTDOOR (mm)	560 X 590 X 285	560 X 590 X 285	845 X 695 X 335	970 X 770 X 395
PIPE CONNECTION SIZES (mm)	6.35/9.53	6.35/12.7	6.35/12.7	9.53/15.88
REFRIGERANT TYPE/QUANTITY (g)	R410A/1090	R410A/1170	R410A/1170	R22/1900
PRE-CHARGED PIPE LENGTH (MTRS)	5.0	5.0	5.0	5.0
EER (W/W)	3.29	3.29	3.22	2.61
COP (W/W)	3.75	3.69	3.61	2.90
MOISTURE REMOVAL RATE (L/HR)	1.0	1.2	1.7	2.0
NOISE LEVEL - OUTDOOR	55	55	58	55
NOISE LEVEL - INDOOR - HIGH (dBa)	37	35	44	45
NOISE LEVEL - INDOOR - MED (dBa)	34	31	40	42
NOISE LEVEL - INDOOR - LOW (dBa)	30	30	37	39
INDOOR AIR FLOW - HIGH (m ² /HR)	570	700	800	1150
INDOOR AIR FLOW - MED (m ² /HR)	480	520	700	1050
INDOOR AIR FLOW - LOW (m ² /HR)	350	420	600	950
STAR RATING COOLING/HEATING	5/5	5/5	5/4.5	3/2.5



DC Inverter models only.



Lennox hi-wall split system air conditioners – cont'd

FIXED SPEED COMPRESSORS

SPECIFICATIONS CATALOGUE NUMBER	LNC0202502201 NAA00000	LNC0203502201 NAA00005	LNC0205202201 NAA00010	LNC0203502201 NAA00015	LNC0208202201 NAA00020
COOLING CAPACITY (kW)	2.64	3.20	5.00	6.16	8.79
HEATING CAPACITY (kW)	2.93	3.70	5.50	6.89	10.26
COMPRESSOR TYPE	Rotary/Matsushita	Rotary/GD Toshiba	Rotary/Matsushita	Scroll/Copeland	Scroll/Copeland
VOLTAGE/PHASE/FREQUENCY	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50
RATED CURRENT COOLING (A)	4.5	5.4	9.0	11.0	17.0
RATED CURRENT HEATING (A)	4.4	5.5	8.8	11.0	17.5
RATED INPUT COOLING (W)	1000	1230	2040	2400	3700
RATED INPUT HEATING (W)	980	1290	2000	2400	3800
MAXIMUM CURRENT (A)	7	9.1	14.5	15	32
STARTING CURRENT (A)	25	28	42	30	38
MAXIMUM INPUT (W)	1300	1690	2600	2900	5800
NET WEIGHT INDOOR/OUTDOOR (Kg)	8.5/30	8.5/36	12.5/55	17/69	18/82
DIMENSIONS - INDOOR (mm)	750 X 250 X 188	750 X 250 X 188	906 X 286 X 235	1080 X 330 X 222	1250 X 325 X 230
DIMENSIONS - OUTDOOR (mm)	815 X 580 X 325	910 X 575 X 335	910 X 575 X 335	845 X 695 X 335	1045 X 930 X 395
PIPE CONNECTION SIZES (mm)	6.35/9.53	6.35/12.7	6.35/12.7	9.53/15.88	9.53/15.88
REFRIGERANT TYPE/QUANTITY (g)	R22/650	R22/820	R22/1740	R22/1930	R22/2450
PRE-CHARGED PIPE LENGTH (MTRS)	5.0	5.0	5.0	5.0	5.0
EER (W/W)	2.75	2.87	2.75	2.55	2.49
COP (W/W)	2.99	2.95	2.96	2.88	2.72
MOISTURE REMOVAL RATE (L/HR)	1.0	1.2	2.0	2.8	3.5
NOISE LEVEL - OUTDOOR	50	52	54	56	59
NOISE LEVEL - INDOOR - HIGH (dBa)	37	41	41	47	49
NOISE LEVEL - INDOOR - MED (dBa)	34	38	37	44	46
NOISE LEVEL - INDOOR - LOW (dBa)	31	34	33	41	42
INDOOR AIR FLOW - HIGH (m ² /HR)	450	550	800	1150	1350
INDOOR AIR FLOW - MED (m ² /HR)	420	500	760	1050	1200
INDOOR AIR FLOW - LOW (m ² /HR)	390	460	700	950	1050
STAR RATING COOLING/HEATING	3/3	3/3	2/2.5	2.5/3	2.5/2

