



NØRDIS Lyra series

SPLIT-TYPE AIR CONDITIONERS – AIR-TO-AIR HEAT PUMPS

SMART ENERGY MANAGEMENT WITH AI 2.0
Offline Energy Saving In Both Cooling & Heating

EFFICIENT HEATING AND COOLING
from -20°C to +53°C Temperature Range

REVERSE FAN BLOW
The outdoor unit fan blows dust off before operation – cleaner heat exchanger

7 FAN SPEEDS
for different airflow needs.

+8 °C FUNCTION
for maintaining a constant temperature in non-permanent living spaces

"I FEEL" TECHNOLOGY
enables smart temperature control and creates a more pleasant atmosphere

ANTI-DIRECT AIR FLOW
with dimpled design and Coandă effect for lifted, uniform air circulation

***ADDITIONAL MODULE FOR REMOTE CONTROL**
The Wi-Fi module lets you control your air conditioner directly from your smartphone (Android and iOS). With the app, you can switch your air-to-air heat pump on or off remotely, manage its functions, and schedule operation anytime, anywhere

Model			Lyra L09TC1	Lyra L12TC1	Lyra L18TC1	Lyra L24TC1
Power Supply		V/Ph/Hz	220-240~/1/50	220-240~/1/50	220-240~/1/50	220-240~/1/50
Cooling	Capacity	kW	2,62 (0,94-3,30)	3,520 (0,6-3,75)	5,140 (1,25-5,91)	7,02 (1,83-8,00)
	Cooling Power Input nom (min-max)	kW	0,811 (0,24-1,380)	1,053 (0,16-1,60)	1,567 (0,33-2,35)	2,118 (0,39-2,70)
	Cooling Rated Current	A	5,4 (1,2-8,0)	5,2 (1,3-9,0)	6,9 (1,5-12,0)	9,5 (1,7-13,0)
	SEER		6,4	6,7	6,8	7
	EER		3,2	3,3	3,3	3,3
	Energy Class		A++	A++	A++	A++
Heating	Capacity	kW	2,70 (1,0-3,81)	3,57 (0,6-3,90)	5,21 (1,25-6,07)	7,12 (1,85-8,0)
	Heating Power Input nom(min-max)	kW	0,726 (0,29-1,72)	0,954 (0,16-1,6)	1,376 (0,34-2,55)	1,864 (0,39-2,8)
	Heating Rated Current	A	4,8 (1,5-9,0)	4,9 (1,5-9,0)	6,2 (1,6-13,0)	8,4 (1,7-14,0)
	SCOP		4	4	4	4
	COP		3,7	3,7	3,8	3,8
	Energy efficiency class (moderate climate zone)		A+	A+	A+	A+
Wi-Fi*			+	+	+	+
Indoor Unit						
Dimensions (WxHxD)		mm	778×272×192	778×272×192	910×305×195	1005×321,5×220
Dimension of Package (WxHxD)		mm	840×335×255	840×335×255	979×380×265	1096×390×297
Weight Netto		kg	7,3	8,5	9	12
Weight Brutto		kg	9,5	10,5	11	14
Air Flow Volume		m³/h	550/520/490/450/410/370/330	550/520/470/440/410/390/350	800/760/690/630/580/540/440	1000/950/880/780/730/680/570
Sound Pressure 1m Distance		dB(A)	42/38/36/32/30/26/22	44/40/38/35/31/27/22	47/43/40/37/34/31/27	52/48/44/42/40/35/30
Sound Power		dB(A)	53/49/46/43/39/35/32	54/50/47/44/40/36/32	56/53/50/47/44/41/37	62/59/53/49/47/44/40
Outdoor Unit						
Dimension (WxHxD)		mm	712×459×276	777×498×290	853×602×349	920×699×380
Dimension of Package (WxHxD)		mm	765×481×310	818×515×325	890×628×385	949×732×392
Weight Netto		kg	20	22,5	30	37,5
Weight Brutto		kg	22	24	32,5	40,5
Air Flow Volume		m³/h	1700	1900	2600	3000
Sound Pressure 1m Distance		dB(A)	54	54	55	57
Sound Power		dB(A)	62	63	65	67
Connection Pipe	Pipe Diameters	in/mm	1/4"-3/8" (Ø6,35-Ø9,53)	1/4"-3/8" (Ø6,35-Ø9,53)	1/4"-3/8" (Ø6,35-Ø9,53)	1/4"-1/2" (Ø6,35-Ø12,70)
	Refrigerant R32 Charge	kg	0,52	0,53	0,78	1
	Additional Refrigerant	g/m	15	15	25	25
	Track Length without Additional Refrigerant	mt	5	5	5	5
	Max, Distance Length	mt	25	25	25	25
	Max, Elevation	mt	10	10	10	10
Cables and Protection Devices	Power Cable	mm²	3×1,5	3×1,5	3×1,5	3×1,5
	Automatic Switch	A	10	16	16	20
	Communication Cable	mm²	4×0,75	4×0,75	4×0,75	4×0,75
Cooling Operation Ambient Temperature Range		°C	-15-53	-15-53	-15-53	-15-53
Heating Operation Ambient Temperature Range		°C	-20-30	-20-30	-20-30	-20-30
Specifications may be changed without prior notice. For the actual device specifications, refer to the labels on the device.						

*Remote control of the device requires additional Wi-Fi module integration. For purchasing the additional Wi-Fi module, please contact NØRDIS sales representatives.

the name of the supplier;	NORDIS EUROPE SP. Z O.O.
the address of the supplier;	Opolska 38, 55-011 Siechnice
a general description of the appliance model	Indoor: Lyra NDI-L18TC1 Outdoor: Lyra NDO-L18TC1
EU regulation	(EU) No 206/2012 (EU) No 626/2011 (EU) 2017/254, EU 2016/2282, EU 2023/2048
the references for the harmonised standards applied	EN 14511-2:2022, EN 14511-3:2022 EN 14825:2022, EN 50564:2011 EN 12102-1:2022
the other calculation methods, measurement standards and specifications used;	N/A
overall dimensions (WxHxD)	indoor net dimensions: 910×305×195 outdoor net dimensions: 853×602×349
specification of the type of the air conditioner	air conditioner, except double ducts and single ducts
specification whether the appliance is designed for cooling or heating only or for both;	cooling and heating
P _{designc} (kW)	5.1
SEER	6.8
Energy class of cooling	A++
Heating season	Warmer/Average/Colder
P _{designh} (kW)	5.1/4.0/4.9
SCOP	5.2/4.0/3.5
Energy class of heating	A+++/A+/A
the back up heating capacity (kW)	0/0.3/1.1
the refrigerant/GWP	R32/675

Information requirements for air conditioners, except double duct and single duct air conditioners

Function (indicate if present)				If function includes heating: Indicate the heating season the information relates to. Indicated values should relate to one heating season at a time. Include at least the heating season 'Average'.			
cooling	Y			Average (mandatory)	Y		
heating	Y			Warmer (if designated)	Y		
				Colder (if designated)	Y		
Item	symbol	value	unit	Item	symbol	value	unit
Design load				Seasonal efficiency			
cooling	P _{designc}	5.10	kW	cooling	SEER	6.80	—
heating/Average	P _{designh}	4.00	kW	heating/Average	SCOP/A	4.00	—
heating/Warmer	P _{designh}	5.10	kW	heating/Warmer	SCOP/W	5.20	—
heating/Colder	P _{designh}	4.90	kW	heating/Colder	SCOP/C	3.50	—
Declared capacity (*) for cooling, at indoor temperature 27(19) °C and outdoor temperature T _j				Declared energy efficiency ratio (*) _e at indoor temperature 27(19) °C and outdoor temperature T _j			
T _j = 35 °C	P _{dc}	5.10	kW	T _j = 35 °C	EER	3.10	—
T _j = 30 °C	P _{dc}	3.72	kW	T _j = 30 °C	EER	5.14	—
T _j = 25 °C	P _{dc}	2.41	kW	T _j = 25 °C	EER	8.56	—
T _j = 20 °C	P _{dc}	1.43	kW	T _j = 20 °C	EER	16.02	—
Declared capacity (*) for heating/Average season, at indoor temperature 20°C and outdoor temperature T _j				Declared coefficient of performance (*)/Average season, at indoor temperature 20°C and outdoor temperature T _j			
T _j = - 7 °C	P _{dh}	3.54	kW	T _j = - 7 °C	COP	2.91	—
T _j = 2 °C	P _{dh}	2.28	kW	T _j = 2 °C	COP	4.07	—
T _j = 7 °C	P _{dh}	1.46	kW	T _j = 7 °C	COP	5.01	—

Tj = 12 °C	Pdh	1.59	kW	Tj = 12 °C	COP	5.89	—
Tj = bivalent temperature	Pdh	3.54	kW	Tj = bivalent temperature	COP	2.91	—
Tj = operating limit	Pdh	4.41	kW	Tj = operating limit	COP	2.36	—
Declared capacity (*) for heating/Warmer season, at indoor temperature 20°C and outdoor temperature Tj				Declared coefficient of performance (*)/Warmer season, at indoor temperature 20°C and outdoor temperature Tj			
Tj = 2 °C	Pdh	5.10	kW	Tj = 2 °C	COP	2.85	—
Tj = 7 °C	Pdh	3.47	kW	Tj = 7 °C	COP	4.95	—
Tj = 12 °C	Pdh	1.59	kW	Tj = 12 °C	COP	6.26	—
Tj = bivalent temperature	Pdh	5.10	kW	Tj = bivalent temperature	COP	2.85	—
Tj = operating limit	Pdh	5.10	kW	Tj = operating limit	COPd	2.85	—
Declared capacity (*) for heating/Colder season, at indoor temperature 20°C and outdoor temperature Tj				Declared coefficient of performance (*)/Colder season, at indoor temperature 20°C and outdoor temperature Tj			
Tj = - 7 °C	Pdh	2.99	kW	Tj = - 7 °C	COP	3.16	—
Tj = 2 °C	Pdh	1.85	kW	Tj = 2 °C	COP	4.55	—
Tj = 7 °C	Pdh	1.15	kW	Tj = 7 °C	COP	4.77	—
Tj = 12 °C	Pdh	1.41	kW	Tj = 12 °C	COP	5.92	—
Tj = bivalent temperature	Pdh	4.00	kW	Tj = bivalent temperature	COP	2.19	—
Tj = operating limit	Pdh	3.27	kW	Tj = operating limit	COP	1.98	—
Tj = - 15 °C	Pdh	4.00	kW	Tj = - 15 °C	COP	2.19	—
Bivalent temperature				Operating limit temperature			
heating/Average	Tbiv	-7	°C	heating/Average	Tol	-10	°C
heating/Warmer	Tbiv	2	°C	heating/Warmer	Tol	2	°C
heating/Colder	Tbiv	-15	°C	heating/Colder	Tol	22	°C
Cycling interval capacity				Cycling interval efficiency			
for cooling	Pcycc	-	kW	for cooling	EERcyc	-	—
for heating	Pcyh	-	kW	for heating	COPcyc	-	—
Degradation co- efficient cooling (**)	Cdc	0.25	—	Degradation co- efficient heating (**)	Cdh	0.25	—
Electric power input in power modes other than 'active mode'				Annual electricity consumption			
off mode	POFF	0.005	kW	cooling	QCE	263	kWh/a
standby mode	PSB	0.005	kW	heating/Average	QHE	1400	kWh/a
thermostat-off mode	PTO	0.04	kW	heating/Warmer	QHE	1374	kWh/a
crankcase heater mode	PCK	-	kW	heating/Colder	QHE	2940	kWh/a
Capacity control (indicate one of three options)				Other items			
fixed	N			Sound power level (indoor/outdoor)	LWA	56 / 65	dB(A)
staged	N			Global warming potential	GWP	675	kgCO2 eq.
variable	Y			Rated air flow (indoor/outdoor)	—	IDU: 800 ODU: 2600	m3/h
Contact details for obtaining more information	NORDIS EUROPE sp.z.o.o. Opolska 38, 55-011 Siechnice WROCŁAW, POLAND mindaugas.beniusis@brgroup.eu						

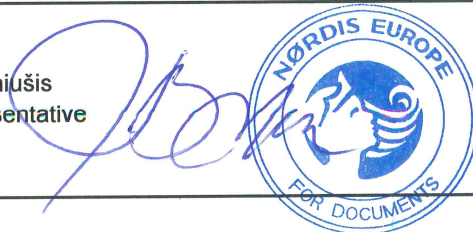
(*) For staged capacity units, two values divided by a slash('/') will be declared in each box in the section 'Declared capacity of the unit' and 'declared EER/COP' of the unit.

(**) If default Cd=0.25 is chosen then (results from) cycling tests are not required. Otherwise either the heating or cooling cycling test value is required.

In as much as is relevant in view of the functionality, the manufacturer shall supply the information as requested in the above Table 1 in the technical documentation of the product. For units with capacity control marked 'staged', two values for the highest and lowest, noted 'hi/lo' divided by a slash '/' will be declared in each box under 'Declared capacity'.

identification and signature of the person empowered

Mindaugas Beniusis
NORDIS representative





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NØRDIS

LYRA NDI/NDO-L18TC1

SEER



A+++

A++

A+

A

B

C

D

A++

kW 5,1

SEER 6,8

kWh/annum 263

SCOP



A+++

A++

A+

A

B

C

D

A+++

A+

A

kW 5,1

SCOP 5,2

kWh/annum 1374

4,0

4,0

1400

4,9

3,5

2940



56 dB



65 dB



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626/2011



Indoor unit model name LYRA NDI-L18TC1
Outdoor unit model name LYRA NDO-L18TC1

Sound power level (inside) 56 dB(A)
Sound power level (outside) 65 dB(A)

Refrigerante R32 GWP 675

Refrigerant leakage contributes to climate change. Refrigerant with lower global warming potential (GWP) would contribute less to global warming than a refrigerant with higher GWP, if leaked to the atmosphere. This appliance contains a refrigerant fluid with a GWP equal to 675. This means that if 1kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 675 times higher than 1kg of CO₂, over a period of 100 years. Never try to interfere with the refrigerant circuit yourself or disassemble the product yourself and always ask a professional.

Cooling mode
SEER 6.8
Energy efficiency class A⁺⁺
Design load (P_{designc}) 5.1 kW
Energy consumption, 263 kWh per year, based on standard test results.
Actual energy consumption will depend on how the appliance is used and where it is located.

Heating mode (Average)
SCOP 4.0
Energy efficiency class A⁺
Design load (P_{designh}) 4.0 kW (-10°C)
Declared capacity 3.7 kW (-10°C)
Back up heating capacity 0.3 kW (-10°C)
Energy consumption, 1400 kWh per year, based on standard test results.
Actual energy consumption will depend on how the appliance is used and where it is located.

Heating mode (Warmer) Optional
SCOP 5.2
Energy efficiency class A⁺⁺⁺
Design load (P_{designh}) 5.1 kW (2°C)
Declared capacity 5.1 kW (2°C)
Back up heating capacity 0.0 kW (2°C)
Energy consumption, 1374 kWh per year, based on standard test results.
Actual energy consumption will depend on how the appliance is used and where it is located.

Heating mode (Colder) Optional
SCOP 3.5
Energy efficiency class A
Design load (P_{designh}) 4.9 kW (-22°C)
Declared capacity 3.8 kW (-22°C)
Back up heating capacity 1.1 kW (-22°C)
Energy consumption, 2940 kWh per year, based on standard test results.
Actual energy consumption will depend on how the appliance is used and where it is located.