

# CO<sub>2</sub> ZEAS refrigeration condensing unit

LREN-A



**CO<sub>2</sub> ZEAS** **INVERTER**



Inverter



Swing compressor

Refrigeration solution for various application  
featuring award winning swing technology with

- › Condensing units ideal for commercial and industrial applications with variable cooling capacity
- › Compressor controlled by inverter

- › Daikin swing compressor
- › Suitable for outdoor use in different climatic conditions
- › Wide range of capacities

# LREN-A



CO2 ZEAS

Low Temperature Refrigeration, Medium Temperature Refrigeration, Heat Recovery			LREN	8AY1	10AY1	12AY1	12AY1 +LRNUN5AY1
Refrigerating capacity	Low	Nom.	kW	11.2 (1)	13.5 (1)	15.5 (1)	17.3 (1)
	Medium	Nom.	kW	19.8 (2)	23.1 (2)	26.3 (2)	31.7(2)
Power input	Low	Nom.	kW	11.6 (1)	14.1 (1)	16.9 (1)	18.6 (1)
	Medium	Nom.	kW	10.7 (2)	13.2 (2)	15.5 (2)	20.1 (2)
COP	Medium	Nom.		1.86 (2)	1.75 (2)	1.69 (2)	1.58 (2)
Dimensions	Unit	HeightxWidthxDepth	mm	1,680 x1,930 x765			
Weight	Unit		kg	547			
Heat exchanger	Type			Cross fin coil (waffle louver fins and Hi-X tubes)			
Compressor	Type			Hermetically sealed swing compressor			
	Output		W	4,600.0			
	Piston displacement		m³/h	6.16			
	Starting method			Direct on line (inverter driven)			
Fan	Type			Propeller fan			
	Quantity			3			
	Air flow rate	Cooling Nom.	m³/min	285 (3)		315 (3)	
Fan motor	Output		W	750			
	Drive			Direct drive			
Sound pressure level	Nom.		dBA	61.0 (4)	62.0 (4)	64.0 (4)	65.0 (4)
	Low noise mode 1		dBA	59.0 (4)	59.0 (4)	61.0 (4)	
	Low noise mode 2		dBA	53.0 (4)	54.0 (4)	56.0 (4)	
Piping connections	Liquid	OD	mm	15.9			
	Gas	OD	mm	22.2			
Refrigerant	Type/GWP			R744 (CO2)/1.0			
	Charge		kg	0.00 (5)			
	Control			Electronic expansion valve			
Power supply	Phase/Frequency/Voltage		Hz/V	3N~/50 /380-415			

(1) Rated conditions: saturation temperature equivalent to suction pressure: -35°C (LT), outdoor temp. 32°C, Suction SH 10K |

(2) Rated conditions: saturation temperature equivalent to suction pressure: -10°C (MT), outdoor temp. 32°C, Suction SH 10K |

(3) Outdoor Unit Total Airflow |

(4) Sound pressure data: measured at 1m in front of unit, at 1.5m height. Nominal operation condition – Medium evaporation temperature (MT) |

(5) The unit is not pre-charged. A minimal rest charge is present related to factory quality inspection |

Minimum load of each individual refrigeration indoor unit: 3 KW (for Medium Temperature Operation) |

Minimum load of each individual refrigeration indoor unit: 2 KW (for Low Temperature Operation). |

Every compressor equipped with 1 accumulator of 0,909 liters. |

Compressor 1: 2Y190CPCY1P#C; Compressor 2: 2Y190CPCY1P#C; Compressor 3: 2Y190CPDY1P#C |

Only K65 (or equivalent) with D.P. 90 bar is allowed to use for refrigeration piping. |

For all the LRNUN5A7Y1 specifications, please refer to the related MDM drawing

Daikin Europe N.V. Naamloze Vennootschap · Zandvoordestraat 300 · 8400 Oostende · België · www.daikin.eu · BE 0412 120 336 · RPR Oostende

The present leaflet is drawn up by way of information only and does not constitute an offer binding upon Daikin Europe N.V.. Daikin Europe N.V. has compiled the content of this leaflet to the best of its knowledge. No express or implied warranty is given for the completeness, accuracy, reliability or fitness for particular purpose of its content and the products and services presented therein. Specifications are subject to change without prior notice. Daikin Europe N.V. explicitly rejects any liability for any direct or indirect damage, in the broadest sense, arising from or related to the use and/or interpretation of this leaflet. All content is copyrighted by Daikin Europe N.V.

ECPEN23-892

03/2023

