



# Uni-block system for low and medium temperature refrigeration

LMCLN-AV3 / LMCLN-AW1,  
LMCMD-AV3 / LMCMD-AW1



Reciprocating  
compressor

For roof mounted installation in small and  
medium sized cold rooms

- › Rapid mounting on the roof of the cold room
- › Ceiling assembly leaves the space inside the cold room completely free
- › White coloured evaporator
- › Extremely fast to assemble
- › Best surface-to-capacity ratio
- › Remote electronic command station

# LMCLN-AV3 / LMCLN-AW1 LMCMD-AV3 / LMCMD-AW1



Low Temperature Refrigeration				LMCLN	100AV3	170AV3	200AW1	250AW1	300AW1	450AW1	500AW1
Refrigerating capacity	Low temperature	R-452A	Nom	kW	0.565	0.931	1.527	2.322	2.212	3.445	4.333
Recommended Cold Room Volume	Low temperature	V 100		m <sup>3</sup>	2.1	5	11.4	17	20.2	34	50
Power input	Max.			W	910	1,970	2,540	2,440	3,210	3,700	5,100
Dimensions	Unit	HeightxWidthxDepth		mm	690x830x540	660x790x730	690x880x930	645x820x929	800x1,000x930	785x1,000x1,044	785x1,000x1,046
Weight	Unit			kg	48.0	68.0	87.0	102	102.0	162	165
Compressor	Type				Hermetic Reciprocating						
	Piston displacement			m <sup>3</sup> /h	3.03	5.99	8.4	11.8	12.9	18.8	23.7
Defrost					Hot gas						
Evaporator	Air flow			m <sup>3</sup> /h	500	550	1,100	2,300		3,450	
	Air throw			m	3	4		9.5			
Refrigerant	Type/GWP				R-452A/2,141						
	Charge			kg/TCO <sub>2</sub> Eq	0.500/1.071	0.420/0.899	0.720/1.542	0.960/2.05	0.960/2.055	1.900/4.07	2.000/4.28
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/230			3~/50/400			

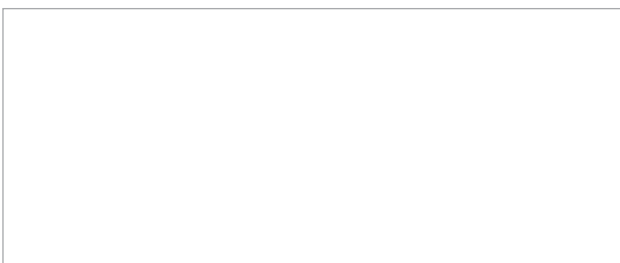
Medium Temperature Refrigeration				LMCMD	050AV3	060AV3	075AV3	100AV3	122AV3	120AW1	150AW1	200AW1	300AW1
Refrigerating capacity	Medium temperature	R-134a	Nom	kW	0.836	1.091	1.302	1.761	1.979		3.209	3.482	4.752
Recommended Cold Room Volume	Medium temperature	V 100		m <sup>3</sup>	5.7	8.3	10.8	16.4	18.3		36.9	41.1	61.1
Power input	Max.			W	1,230	1,480	1,740	1,900	2,350	2,430	2,930	3,220	3,670
Dimensions	Unit	HeightxWidthxDepth		mm	690x830x540	660x790x730		690x880x930			800x1,000x930	920x1,120x1,200	
Weight	Unit			kg	42.0	59.0		74.0	75.0		92.0	93.0	151.0
Compressor	Type				Hermetic Reciprocating								
	Piston displacement			m <sup>3</sup> /h	3.8	4.52	5.69	6	8.36		9.37	10.52	11.81
Defrost					Hot gas								
Evaporator	Air flow			m <sup>3</sup> /h	500	550		1,100		2,300		3,450	
	Air throw			m	3	4		4			9.5		
Refrigerant	Type/GWP				R-134a/1,430								
	Charge			kg/TCO <sub>2</sub> Eq	0.550/0.787	0.540/0.772	0.600/0.858	0.730/1.044	0.700/1.001		1.150/1.645	1.100/1.573	2.000/2.860
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/230					3~/50/400			

Low temperature: when normally running: -22°C / +32°C

Medium temperature: when normally running: 0°C / +32°C

Contains fluorinated greenhouse gases

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