







## Specifications

OUTDOOR UNIT				LREQ5BY1	LREQ6BY1	LREQ8BY1	LREQ10BY1	LREQ12BY1	LREQ15BY1	LREQ20BY1	
Refrigerating capacity	Medium temperature	Norm.	kW	12.5	15.2	19.8	23.8	26.5	33.9	37.9	
	Low temperature	Norm.	kW	5.51	6.51	8.33	10.0	10.7	13.9	15.4	
Power input	Medium temperature	Norm.	kW	5.10	6.56	8.76	10.6	12.0	15.2	17.0	
	Low temperature	Norm.	kW	4.65	5.88	7.72	9.27	9.89	12.8	14.1	
Dimensions	Unit	Height/Width/Depth	mm	1,680x635x765			1,680x930x765			1,680x1,240x765	
Weight	Unit		kg	166			242			331 / 337	
Heat exchanger	Type			Cross fin coil							
Compressor	Type			Hermetically sealed scroll compressor							
	Piston displacement		m <sup>3</sup> /h	11.18	13.85	19.68	23.36	25.27	32.24	35.8	
	Speed		rpm	5,280	6,540	4,320 + 2,900	6,060 + 2,900	6,960 + 2,900	5,280 + 2,900 + 2,900	6,960 + 2,900 + 2,900	
	Output		W	2,600	3,200	2,100 + 3,600	3,000 + 3,600	3,400 + 3,600	2,600 + 3,600 + 3,600	3,400 + 3,600 + 3,600	
	Starting method			Direct on line (inverter driven)							
Fan	Type			Propeller fan							
	Quantity			1			2				
Fan motor	Air flow rate	Cooling	Norm.	m <sup>3</sup> /min	95	102	171	179	191	230	240
	Output			W	350			750		350 x 2 / 750 x 2	
Sound pressure level	Norm.										
	Drive				Direct drive						
Operation range	Evaporator	Cooling	Min.-Max.	°CDB							
Refrigerant	Ambient temperature	Min.-Max.		°C							
	Type				R-410A						
Refrigerant oil	Charge			kg	5.2			11.5			
	Control				Electronic expansion valve						
Piping connections	Type				Daphne FVC68D						
	Charged volume			l	1.7 / 2.5			1.7 / 2.1 / 4.0			
	Liquid	50m or less			ø 9.5 C1220T (Brazing connection)			ø 12.7 C1220T (Brazing connection)			
Power supply	Gas	50m or less			ø 22.2 C1220T (Brazing connection)			ø 28.6 C1220T (Brazing connection)			
	50-130m				ø 22.2 C1220T (Brazing connection)			ø 28.6 C1220T (Brazing connection)			
	50-130m				ø 22.2 C1220T (Brazing connection)			ø 34.9 C1220T (Brazing connection)			
Phase/Frequency/Voltage			Hz/V	3~/50/380-415							
Nominal running current (RI/A) - 50Hz			A	7.1/-/-	9.2/-/-	5.3/7.5/-	7.4/7.9/-	9.8/8.3/-	7.0/8.2/8.2	9.5/8.4/8.4	
Starting current (MSC)			A	-	-	74	-	75	-	84	

OUTDOOR UNIT				LREQ30BY1	LREQ40BY1
System				LREQ15BY1R x 2	LREQ20BY1R x 2
Refrigerating capacity	Medium temperature	Norm.	kW	67.8	75.8
	Low temperature	Norm.	kW	27.8	29.6
Power input	Medium temperature	Norm.	kW	30.4	34.0
	Low temperature	Norm.	kW	25.6	27.6
Dimensions	Unit	Height/Width/Depth	mm	(1,680x1,240x765) x 2	
Weight	Unit		kg	331 x 2	
Heat exchanger	Type			Cross fin coil	
Compressor	Type			Hermetically sealed scroll compressor	
	Piston displacement		m <sup>3</sup> /h	32.24 x 2	
	Speed		rpm	(5,280+2,900+2,900) x 2	
	Output		W	(2.6+3.6+3.6) x 2	
	Starting method			Direct online (inverter driven)	
Fan	Type			Propeller fan	
	Quantity			2 x 2	
Fan motor	Air flow rate	Cooling	Norm.	m <sup>3</sup> /min	230 x 2
	Output			W	(350 x 2) x 2
Sound pressure level	Norm.				65.0
	Drive				Direct drive
Operation range	Evaporator	Cooling	Min.-Max.	°CDB	
Refrigerant	Ambient temperature	Min.-Max.		°C	
	Type				R-410A
Refrigerant oil	Charge			kg	11.5 x 2
	Control				Electronic expansion valve
Piping connections	Type				Daphne FVC68D
	Charged volume			l	(1.7 + 2.1 + 2.1 + 4.0) x 2
	Liquid	50m or less			ø 19.05 C1220T (Brazing connection)
Power supply	Gas	50m or less			ø 41.28 C1220T (Brazing connection)
	50-130m				ø 41.28 C1220T (Brazing connection)
	50-130m				ø 41.28 C1220T (Brazing connection)
Phase/Frequency/Voltage			Hz/V	3~/50/380-415	
Nominal running current (RI/A) - 50Hz			A	(7.0/8.2/8.2) x 2	
Starting current (MSC)			A	109	
				115	



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