

SIRAC "CORE" - Medium Temperature Heat Pumps - 60°C (R410a units)

SPECIFICATION SHEET:



Model	LSQ02RCF	LSQ03RF	LSQ05RF	LSQ06RF	LSQ08RF	LSQ10RF	LSQ15RF	LSQ20RF	LSQ25RF	LSQ30RF	
Outlet Water Rated Temp. (°C)	55										
Outlet Water Max. Temp. (°C)	60										
Heating Capacity (KW)	7,7	11,5	19	23	30,5	38	46	75	90	110	
Rated Power Input (KW)	1,7	2,8	4,6	5,6	7,5	9,3	11,2	17,4	19,9	25	
Power Supply (V/PH/HZ)	230/1/50			400/3/50							
Compressor Type	Hitachi	Invotech Scroll					Emerson Copeland EVI Scroll				
Compressor Quantity	1	1	1	1	2	2	2	2	2	2	
Starting Current (Amp)	28	40	35	50	38	44	50	78	105	145	
Running Current (Amp)	8,2	12	9	12	14	18	24	36	44	48	
Cabinet Material	Powder Coated Galvanized Steel Cabinet - (304 Stainless Steel option available)										
Air Discharge	Horizontal	Vertical									
Fan Motor Watt	40	90	250	250	250x2	250x2	350x2	750x2	750x2	750 x2	
Air Flow (m3/h)	2200	3600	5600	6500	5600x2	5600x2	6500x2	12000x2	12000x2	14000x2	
Expansion Device	Saginomya Electronic Expansion Valve										
Defrosting Device	4-way Reversing Valve										
Refrigerant Type	R410a										
Approx. Water Output (liters/h)	190	280	468	567	751	936	1133	1847	2143	2709	
Nominal water flow (l/s)	0,36	0,55	0,90	1,09	1,46	1,82	2,20	3,58	4,16	5,26	
Nominal Pressure drop (kPa)	20	30	45	50	53	55	60	65	70	70	
Noise Level dB(A)	49	51	53	54	57	58	58	63	63	67	
Pipe size (inch)	3/4"	1"		1"	1.25"			2 x 1.25"		4" flanged	
Heat Exchanger Type	Copper Tube in Tube										
Dimensions (mm)	Length	990	750	750	800	1484	1484	1420	2010	2010	2100
	Width	450	690	690	750	730	730	725	1118	1118	1118
	Height	560	845	1060	1080	1060	1060	1365	1797	1904	1920
Operating weight (kg)	79	115	150	175	255	280	360	630	780	850	

Note:

Heating capacities are rated at: air temperature 20°C, water heated from 20°C to 55°C