

# TECHNICAL SPECIFICATIONS: COMMERCIAL HOT WATER HEAT PUMPS

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



MODEL	LSQ015RC*	LSQ02RC	LSQ03R	LSQ05R	LSQ06R	LSQ08R	LSQ10R	LSQ15R	LSQ20R	LSQ25R
Outlet Water Rated Temp	55									
Outlet Water Max. Temp	60									
Heating Capacity	4,7kW	6,5kW	10,6kW	17,1kW	21kW	28,5kW	35kW	44kW	70kW	87kW
Rated Power Input	1,3kW	1,85kW	2,8kW	4,5kW	5,5kW	7,5kW	9,2kW	11,4kW	18,7kW	23kW
Power Supply	230V / 1Ph / 50Hz				400V / 3Ph / 50Hz					
Compressor Type	Rotary		Copeland Scroll							
Compressor Qty	1	1	1	1	1	2	2	2	4	2
Refrigerant Charge	750g	1100g	2800g	3800g	5000g	3500g x2	3800g x2	5000g x2	3800g x4	7000g x2
Starting Current	22 Amp	28 Amp	40 Amp	35 Amp	50 Amp	38 Amp	44 Amp	50 Amp	78 Amp	105 Amp
Running Current	6 Amp	8,2 Amp	12 Amp	9 Amp	12 Amp	7 Amp x2	9 Amp x2	12 Amp x2	18 Amp x2	22 Amp x2
Cabinet Material	Powder Coated Galvanized Steel Cabinet									
Air Discharge	Horizontal			Vertical						
Fan Motor Watts	25	40	90	250	350	250 x2	250 x2	350 x2	250 x4	750 x2
Air Flow (m <sup>3</sup> /h)	1650	2200	3600	5600	6500	5600 x2	5600 x2	6500 x2	5600 x4	12000 x2
Expansion Device	Capillary		Saginomya Electronic Expansion Valve							
Defrosting Device	4-way Reversing Valve									
Refrigerant Type	R417a									
Water Output (litres/h)	110	150	245	420	520	700	810	1100	1700	2200
Noise Level dB	47	49	51	53	54	57	58	58	63	63
Pipe Size (inches)	3/4"		1"			1,25"			2,5"	
Heat Exchanger Type	Copper Tube in Tube									
Dimensions (mm) (LxWxH)	960x370 x740	990x450 x560	750x690 x845	750x690 x1060	800x750 x1080	1484x730x 1060	1484x730x 1060	1420x 725x1365	1383x 1378x1706	2010x 980x1850
G.W.	46kg	79kg	141kg	160kg	175kg	255kg	278kg	361kg	750kg	780kg
N.W.	43kg	65kg	125kg	140kg	150kg	230kg	240kg	310kg	720kg	750kg

\*LSQ015RC is supplied with a brass water pump and intergrated flow control valve. All other units are not supplied with water pumps