



Outdoor Units

Modular Scroll Ait to Water						
Model	Heat Pump		LSQWRF65M/NaD-M	LSQWRF80M/NaD-M	LSQWRF130M/NaD-M	LSQWRF160M/NaD-M
Capacity	Cooling	kW	60	71	120	145
	Heating	kW	65	79.5	130	170
Capacity steps		%	0-50%-100%		0-25%-50%-75%-100%	
EER/COP		W/W	2.84/3.09	2.76/2.94	2.84/2.93	2.74/3.04
Power supply		Ph/V/Hz	380-415V, 3Ph~50Hz			
Power input	Heating	kW	21.1	25.7	42.3	53
	Cooling	kW	21	27	44.4	56
Compressor	Type		Constant speed scroll			
	Starting type		Direct start			
	Quantity		2	2	4	4
Water side heat exchanger	Type		High-efficient shell and tube heat exchanger			
	Water vflow volume	L/s	2.87	3.39	5.73	6.92
		GPM	45	54	91	110
	Pressure drop	kPa	15	20	30	35
		ft. WG	4.92	6.56	9.84	11.48
Piping connection		DN65		DN80		
Air side heat exchanger	Type					
	Fan type		Axial flow	Axial flow	Axial flow	Axial flow
	Quantity		2	2	4	4
	Total fan air flow	L/s	$2 \times 0.375 \times 10^4$	$2 \times 0.4167 \times 10^4$	$4 \times 0.375 \times 10^4$	$4 \times 0.4167 \times 10^4$
		CFM	$2 \times 0.795 \times 10^4$	$2 \times 0.882 \times 10^4$	$4 \times 0.795 \times 10^4$	$4 \times 0.882 \times 10^4$
Total fan motor power	kw	2×0.650	2×0.950	4×0.650	4×0.950	
Sound pressure level		dB(A)	70	71	72	74
Dimensions (WxDxH)	Outline	mm	2040x1000x2230	2040x1000x2230	2226x1650x2230	2226x1650x2230
	Package	mm	2120x1080x2230	2120x1080x2230	2306x1730x2230	2306x1730x2230
Net weight/ gross weight		kg	710/715	760/765	1256/1261	1440/1445