

General Description	Single Phase			Three Phase		
Model Designation	SOL 12-1	SOL 18-1	SOL 26-1	SOL 12-3	SOL 18-3	SOL 26-3
Power Supply	230/1/50			400/3/50		
Denomination	Water-to-water					
Intended Use of the Unit	Heat Pump					
Refrigerant Type	R407C					
Refrigerant Mass	1.6	2.5	2.6	1.6	2.5	2.6
Total Oil charge	2.6	3.0	3.8	2.6	3.0	3.8
Dimensions, mm						
Height	1100					
Width	625					
Depth	725					
Weight	207	245	266	207	245	266

Rating characteristics (BSEN14511)	Single Phase			Three Phase		
	SOL 12-1	SOL 18-1	SOL 26-1	SOL 12-3	SOL 18-3	SOL 26-3
Heating capacity	12.8	18.9	26	12.8	18.9	26
Effective Power Input	3.24	4.426	6.297	3.24	4.426	6.297
CoP	3.95	4.28	4.12	3.95	4.28	4.12
Nominal Water Flow Rate (Source) {Delt T = 3°C}	0.908(54.48)	1.267(76.02)	1.696(101.76)	0.908(54.48)	1.267(76.02)	1.696(101.76)
Nominal Water Flow Rate (Building) {Delt T = 5°C}	0.608(36.48)	0.908(54.48)	1.259(75.54)	0.608(36.48)	0.908(54.48)	1.259(75.54)
Static Pressure (Source)	36.1	45.2	74.5	36.1	45.2	74.5
Static Pressure (Building)	3.7	36.3	7.4	3.7	36.3	7.4

Sound Characteristics (BSEN150 3744)						
Sound Power Level	68	64	60	68	64	60

Electrical Characteristics						
Maximum Starting Current**	40.5	43.5	50	28	34	66
Total Power Input*	3.75	5.19	7.83	3.63	5.13	7.61
Electrical Power*	4.68	6.48	9.79	4.53	6.41	9.51
Typical Running Current*	20	26	38	8	10	15
Recommended Breaker Size***	25	32	40	10	16	20
Power Input (Circulation Pumps)	0.067	0.067	0.331	0.067	0.067	0.331

* Electrical data based on Evap. at 7°C & Cond. at 55°C

** Single phase heat pumps incorporate smart soft start controllers as standard to limit the starting current of the compressors.

*** Breakers to be D Rated

Operating Range						
Minimum Water Flow Rate (Source) {Delt T = 8°C}	23	34	47	23	34	47
Maximum Water Flow Rate (Source) {Delta T = 3°C}	55	76	102	55	76	102
Design Flow Rate (Building) {Delt T = 5°C}	37	54	75	37	54	75
Minimum Operating Temperature (Source)	8					
Maximum Operating Temperature (Source)	15					
Minimum Operating Temperature (Building)	20					
Maximum Operating Temperature (Building)	55					