

## INDOOR UNITS

SHP-140IRC  
SHP-180IRC



### STANDARD UNIT COMPOSITION

- New EVI compressor specially designed for high water temperature.
- Base frame and external panels made of galvanized powder coated steel.
- Wilo EC water pump installed inside.
- Copeland compressor with R407c refrigerant.
- Flow sensor for water flow protection.
- Fully sealed control box to IP60.
- Intelligent Smart Sinclair controller and adjustment by quick mind microprocessor.
- New lattice LCD display of wire controller with JOG wheel.
- 3kW bivalent electric heater inside the indoor unit.
- Danfoss soft starter.
- Outflow water temperature up to 65°C.
- 5 years warranty.

INDOOR UNIT			SHP-140IRC	SHP-180IRC
Temperature Outdoor Air / Outflow Water (°C) *	A10 / W35	Heating Capacity (kW)	15,55	17,88
		Power Input (kW)	3,28	3,90
		COP (-)	4,75	4,58
	A7 / W35	Heating Capacity (kW)	14,73	16,79
		Power Input (kW)	3,28	3,94
		COP (-)	4,49	4,26
	A2 / W35	Heating Capacity (kW)	11,38	13,27
		Power Input (kW)	3,06	3,77
		COP (-)	3,72	3,52
	A-7 / W35	Heating Capacity (kW)	10,30	11,09
		Power Input (kW)	3,17	3,85
		COP (-)	3,25	2,88
Technical Specifications	A-15 / W45	Heating Capacity (kW)	8,81	10,43
		Power Input (kW)	4,09	4,95
		COP (-)	2,16	2,11
	A20 / W35	Heating capacity (kW)	18,28	22,32
		Power input (kW)	3,28	3,83
		COP (-)	5,58	5,82
	A35 / W12	Cooling Capacity (kW)	10,90	12,50
		Power Input (kW)	3,41	4,46
		EER (-)	3,20	2,80
	Power Supply	V / Ph / Hz	400 / 3 / 50	400 / 3 / 50
	Outdoor Temperature Range	°C	-20 ~ +40	-20 ~ +40
	Temperature of Leaving Water	°C	+12 ~ +65	+12 ~ +65
	Refrigerant (type / charge / t Eq. CO <sub>2</sub> )	kg	R407c / 8,0 / 14,2	R407c / 9,5 / 16,9
	Electric Heater	kW	3,0	3,0
	Compressor QTY	-	1	1
	Compressor	Type	COPELAND EVI scroll	COPELAND EVI scroll
	Refrigerant Liquid pipe	mm (inch)	12 (1/2")	12 (1/2")
	Refrigerant Gas pipe	mm (inch)	22 (7/8")	22 (7/8")
	Water Pipe Inlet / Outlet	-	DN 25 (1")	DN 25 (1")
	Sound pressure level L <sub>pa</sub> at 1 m / 10 m	dB	51 / 31	51 / 31
	Net Dimensions	mm	602 x 638 x 1035	602 x 638 x 1035
	Net Weight	kg	159	150

\*Values were measured according to EN 14511-2:2012 / EHPA standards including

The specification of products is subject to change based on further development of the units by the producer and can be changed without prior notice. Refer to rating label.  
Contains fluorinated greenhouse gases covered by the Kyoto Protocol. R407C (23% R32, 25% R125, 52% R134a), GWP of refrigerant used: 1774.

## OUTDOOR UNITS

SHP-140ERC  
SHP-180ERC



### STANDARD UNIT COMPOSITION

- Air / refrigerant heat exchanger (fins & coil) with hydrophilic coating.
- Electronic expansion valve.
- Automatic intelligent defrosting function.
- General testing and operational test carried out for every unit before package.
- Fan with EC motor.
- Anti-snow function.
- 5 years warranty.



OUTDOOR UNIT		SHP-140ERC	SHP-180ERC
Power supply	V / Ph / Hz	230 / 1 / 50 (from indoor unit)	
Fan Quantity	pcs	1	
Fan Power Input	W	182	
Fan Direction	-	Vertical	
Air Flow	m <sup>3</sup> / h	4995	
Refrigeration Gas Pipe	mm (inch)	12 (1/2")	
Refrigeration Liquid Pipe	mm (inch)	22 (7/8")	
Sound pressure level L <sub>pa</sub> at 1 m / 10 m	dB	58,2 / 38,2	
Unit Dimension (L*W*H)	mm	1168 x 1063 x 1102	
Net Weight	kg	94	

