

Technical data

Orion Evo



Model			ORION EVO NDI-OE09TC1	ORION EVO NDI-OE12TC1	ORION EVO NDI-OE18TC1	ORION EVO NDI-OE24TC1
Power Supply V/Hz		F/V/ Hz	220-240V~/50Hz/1P	220-240V~/50Hz/1P	220-240V~/50Hz/1P	220-240V~/50Hz/1P
Cooling	Capacity	kW	2.61(0.94~3.70)	3.52(1.00~4.60)	5.2 (1.25-5.9)	7.0 (1.8-7.8)
	Cooling Power Input (min-nom-max)	kW	0.67 (0.24~1.38)	1.05(0.29~1.51)	1.41(0.33-2.35)	1.94(0.41~2.83)
	Rated Current	A	3.0(1.2~8.1)	4.8(1.5~9.2)	6.4(1.7~12.0)	8.7(2.3~15.5)
	SEER		8.5	8.5	8.5	8.5
	Energy Class		A+++			
Heating	Capacity	kW	3.32(0.94~4.00)	3.86(1.00~4.90)	5.50(1.25-6.69)	7.10(1.85~7.96)
	Heating Power Input (min-nom-max)	kW	0.86(0.24~1.55)	0.96(0.29~1.72)	1.40(0.340-2.54)	1.81(0.42~3.01)
	Heating Rated Current	A	3.9(1.2~9.0)	4.0(1.5~10.0)	6.4(1.7~13.0)	8.0(2.3~16.0)
	SCOP		4,6	4,7	4,6	4,7
	Energy efficiency class (moderate climate zone)		A++			
Wi-Fi		+/-	+			
Indoor Unit						
Dimensions (WxHxD)		mm	820×306×195	820×306×195	920×306×195	1100×333×222
Dimension of Package (WxHxD)		mm	890×380×265	890×380×265	990×380×265	1165×405×295
Weight Netto		kg	9	9	10	11
Weight Brutto		kg	11	11	13	17
Air Flow Volume		m3/h	680/650/610/570/540/500/460	680/650/610/570/540/500/460	900/810/760/700/650/590/530	1150/1070/1010/940/890/830/750
Sound Pressure 1m Distance		dB(A)	44/41/37/34/29/25/19	44/41/37/34/29/25/19	47/42/40/38/36/34/32	50/44/40/37/34/30/26
Sound Power		dB(A)	54/50/47/44/39/35/29	54/50/47/44/39/35/29	57/52/50/48/46/44/42	60/54/50/47/44/40/36
Outdoor Unit						
Dimension (WxHxD)		mm	787×498×290	810×549×305	927×699×380	978×803×421
Dimension of Package (WxHxD)		mm	818×520×325	835×575×328	949×732×392	978×803×421
Weight Netto		kg	22	24	38	45
Weight Brutto		kg	24	26	41	49,5
Air Flow Volume		m3/h	2000	2300	3000	4000
Sound Pressure 1m Distance		dB(A)	52	53	55	58
Sound Power		dB(A)	62	63	65	68
Connection Pipe	Pipe Diameters	in/mm	1/4"-3/8"/(Ø6.35-Ø9.52)	1/4"-3/8"/(Ø6.35-Ø9.52)	1/4"-1/2"/(Ø6.35-Ø12.70)	1/4"-1/2"/(Ø6.35-Ø12.70)
	Refrigerant R32 Charge	kg	R32/ 0,57	R32/0,6	R32/0,87	R32/1,27
	Additional Refrigerant	g/m	15	15	25	25
	Track Length without Additional Refrigerant	m	5	5	5	5
	Max. Distance Length	m	25	25	25	25
	Max. Elevation	m	10	10	10	10
Cables and Protection Devices	Power Cable	mm2	3x1.5	3x1.5	3x1.5	3x2.5
	Automatic Switch	A	10	16	16	20
	Communication Cable	mm2	4x0.75 mm2	4x0.75 mm2	4x0.75 mm2	4x0.75 mm2
Cooling Operation Ambient Temperature Range		°C	-15~53	-15~53	-15~53	-15~53
Heating Operation Ambient Temperature Range		°C	-25~30	-25~30	-25~30	-25~30