

OTP-F-R32

Flexx R32 Central Heat Pump



Indoor Unit
Air Handler



Outdoor Units

Performance up to



Cooling



Heating

Up to

19 SEER2
IN COOLING

10.5 HSPF2
IN HEATING



Features

Operation mode

- Cooling, heating, dehumidifying, fan and auto.

Nominal capacity

- 24000, 36000, 42000, 60000 BTU/hr.

Voltage

- 230/208V, 60 Hz, 1-phase.

Indoor unit

- Compact and space-saving design.
- Compatible with most standard 24V thermostats on the market.
- A2L leak detection sensor, included

Outdoor unit

- Variable speed rotary compressor (INVERTER), with overload protection.
- Electronic expansion valve for precise control of refrigerant flow.
- Condenser fins covered with a hydrophilic coating for improved corrosion resistance.
- Large diameter quiet axial-flow fan for more efficient heat exchange.
- Smart pan heater to prevent ice formation.
- Compressor blanket and preheating technology.
- Installation on aluminum wall bracket or ground stand (optional).

Connection piping

- Minimum piping length of 24.6 ft. (7.5 m).
- Flared connections.

Control

- Operating temperature:
 - Cooling: -15 to 54 °C (5 to 129 °F).
 - Heating: -30 to 24 °C (-22 to 75 °F).
- Temperature display format: °C or °F.

Warranty

- 10-year basic warranty on parts and 10-year basic warranty on the compressor (labour not included).
- Labour warranty (sold separately) from the 1st to 10th year, on parts and labour with system replacement if the compressor fails.

Application

- Private residence, condo, commercial building, office building, restaurant.

Includes



Self-Diagnosis



Comprehensive Protection



High ESP



Wide Operation Range



High Efficiency



Intelligent Defrosting



Energy Saving Function



Flexible Connecting Pipe Available



A2L safety sensor

Options

Product # Kit	Description
21-4227-01	5kW electric auxiliary heat module
21-4216-03	10kW electric auxiliary heat module
21-4217-01	15kW electric auxiliary heat module
21-4228-01	20kW electric auxiliary heat module
OTP-FKCP	Adaptor for welding option on suction line
OTP-B04537	Terminal block kit
OTP-R02P033	24V thermostat



OTP-FKCP



OTP-B04537

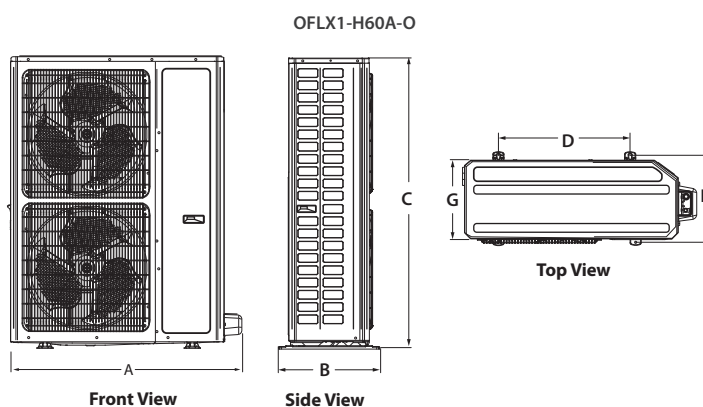
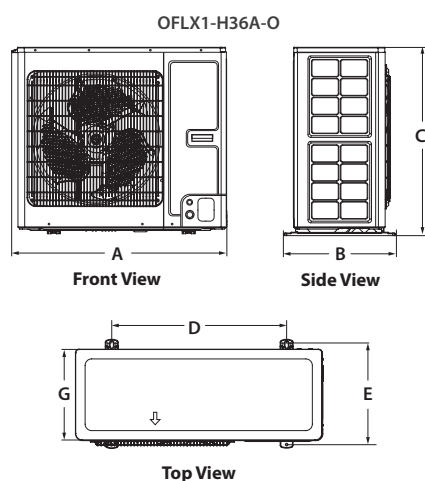


OTP-R02P033

OTP-F-R32

Models - Outdoor Unit

Product #		OFLX1-H36A-O			OFLX1-H60A-O	
Technical Performance						
Refrigerant type		R32			R32	
Cooling capacity	Nominal	BTU/hr	24000	34000	48000	54000
	Min. – max.	W (BTU/hr)	3.5 – 8.8 (12000 - 30000)	3.2 - 10.8 (18000 - 37000)	9.96 - 14.65 (34000 - 50000)	10.26 – 16.12 (35000 - 55000)
Heating capacity	Nominal	BTU/hr	24000	34000	48000	54000
	Min. – max.	W (BTU/hr)	3.5 – 8.8 (12000 - 30000)	5.2 – 11.1 (18000 - 38000)	9.86 – 15.24 (34000 - 52000)	10.26 - 17.58 (35000 - 60000)
Power supply		V / Ph / Hz	230/208 / 1 / 60	230/208 / 1 / 60	230/208 / 1 / 60	230/208 / 1 / 60
SEER2		-	18	18	19	18.5
HSPF2		-	10	10	10	10.5
EER		-	12.5	12	12	11.7
COP		-	3.6	3.2	3.4	3.4
MCA		A	30	30	45	45
Max. over-current protection (MOCP)		A	27.7	27.7	39.9	39.9
AHRI number		-	216626170	216440572	216626171	216440574
ENERGY STAR		-	✓	✓	✓	✓
Refrigerant volume (R32)		lb (oz)	4.4 (102.3)	4.4 (102.3)	8.82 (162.3)	8.82 (162.3)
Connection pipes	Liquid	in.	3/8	3/8	3/8	3/8
	Gas	in.	3/4	3/4	3/4	3/4
Net weight		lb (kg)	187.5 (85)	187.5 (85)	241.4 (109.5)	241.4 (109.5)
Sound level		dB (A)	60	60	62	63
Compressor power input		W	14	19.7	30.1	30.1
Compressor LRA		A	1.5	1.5	1.5 x 2	1.5 x 2
Compressor RLA		A	19.7	19.7	30.1	30.1
Fan motor power output		A	1.5	1.5	1.5 x 2	1.5 x 2
- Cooling nominal power input		A	14.6	22	30	31
- Heating nominal power input		A	19.2	25.6	32	32
Operating ambient temperature in cooling		°C (°F)	-15 to 54 (5 to 129)			
Operating ambient temperature in heating		°C (°F)	-30 to 24 (-22 to 75)			
Maximum pipe length between outdoor and indoor units		ft. (m)	99 (30)	99 (30)	99 (30)	99 (30)
Maximum height between outdoor and indoor units		ft. (m)	49 (15)	49 (15)	49 (15)	49 (15)



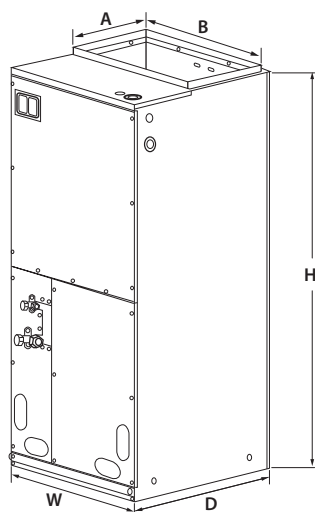
Outdoor Unit	A		B		C		D		E		G	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
OFLX1-H36A-O	38 31/32	990	16 13/16	427	37 51/64	960	29 49/64	756	15 35/64	395	14 9/16	370
OFLX1-H60A-O	35 7/16	900	16 17/64	413	49 39/64	1260	22 7/16	570	14 7/8	378	13 25/64	340

Models - Indoor Unit (Air Handler)

Product #			OAHX1-H24A-I	OAHX1-H36A-I	OAHX1-H48A-I	OAHX1-H60A-I
Electrical data	Power supply	V / Ph / Hz	230/208 / 1 / 60	230/208 / 1 / 60	230/208 / 1 / 60	230/208 / 1 / 60
	Supply	Cooling	W	1	1.6	2.1
	Input current	Cooling	A	1	1.5	1.9
	Max. over-current protection (MOCP)		A	15	15	15
	Voltage min./max.		V	187 / 253	187 / 253	187 / 253
Sound level			dB (A)	50	51	52
Refrigerant	Type		-	R32		
	Control		-	Thermal expansion valve		
ENERGY STAR			-	✓	✓	✓
Air flow		cfm	760	1000	1200	2550
		m³/hr	1291	1700	2040	2550
HPS (High Static Pressure)	Range	Pa	0 to 250	0 to 250	0 to 250	0 to 250
		inH2O	0 to 1	0 to 1	0 to 1	0 to 1
Fan motor	Model		-	B-SWZ150E	B-SWZ120E	B-SWZ120E
	Transmission type		-	Direct transmission		
	Speed	RPM	800	800	800	800
	Electric power	W	124	124	2 x 124	2 x 124
	Full load current (FLA)	A	3	3	2 x 1.1	2 x 1.1
Evaporator	Material		-	Copper tube with inner groove – Aluminum fins		
	Surface area	sq. ft. (m²)	9.94 (0.92)	9.94 (0.92)	11.41 (1.06)	11.41 (1.06)
	Pipe diameter	in.	3/8	3/8	3/8	3/8
	Fins type		-	Hydrophilic		
	Dimension (L x H x I)	in.	30 3/32x36 13/32x1 1/2	30 3/32x36 13/32x1 1/2	39 1/2x36 13/32x2 19/64	39 1/2x36 13/32x2 19/64
System operation control			-	Wired controller		
Weight	Net	lb (kg)	134.5 (61.5)	163 (74)	200.5 (91)	200.5 (91)
	Gross	lb (kg)	143 (65.5)	178.5 (81)	218 (99)	218 (99)

Compatibility table for electrical heating elements

Electric heater power	OAHX1-H24A-I	OAHX1-H36A-I	OAHX1-H48A-I	OAHX1-H60A-I
5kW	✓	✓	✓	✓
10kW	-	✓	✓	✓
15kW	-	-	✓	✓
20kW	-	-	✓	✓



Indoor Unit Air Handler	W		D		H		A		B	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
OAHX1-H24A-I	18 7/64	460	21 1/4	540	43 1/2	1105	11 5/8	295	16 47/64	425
OAHX1-H36A-I	21 1/4	540	21 1/4	540	48 3/16	1224	11 5/8	295	20	508
OAHX1-H48A-I	24 3/4	630	21 1/4	540	52	1321	11 5/8	295	20	508
OAHX1-H60A-I										