



MECHANICAL PERMIT APPLICATION

City of Portland, Oregon - Bureau of Development Services
 1900 SW 4th Avenue, Portland, Oregon 97201 • 503-823-7300 • TTY 503-823-6868 • www.portlandoregon.gov/bds

18-155445-MT

Type of work

New construction Addition/alteration/replacement

Demolition Other:

Category of construction

1 & 2 family dwelling Commercial/industrial Accessory building

Multifamily Master builder Other:

Job site information and location

Job no.: Job address: 1829 NE 25th Ave

City/State/ZIP: Portland, OR 97212

Suite/bldg./apt. no.: Project name: Sommer May + Linda Wechsler

Cross street/directions to job site: NE HANCOCK ST

Subdivision: Lot no. Tax map/parcel no.

Description of work (example: upstairs bath fan/dryer exhaust)

New outdoor heat pump, ~~replacement indoor air handler and ductwork~~

Provide RS permit no.

Property owner Tenant

Name: E-mail:

Address:

City/State/ZIP:

Phone: FAX:

Owner installation: This installation is being made on property that I own, which is not intended for sale, lease, rent, or exchange.

Owner signature: Date:

Contractor Subcontractor

Business name: Orbit Heating and Cooling LLC E-mail: orbitheating@gmail.com

Address: 7243 NE GLISAN ST #D

City/State/ZIP: PORTLAND, OR 97213

Phone: 503-621-4319 FAX:

Lic. no. 12498 CCB lic. no. 211046

Authorized signature: *Travis Bartling*

Print name: Travis Bartling Date: 03-21-2018

Applicant Contact Person

Business name: Orbit Heating and Cooling LLC

Contact name: Jennifer Erts

Address: 7243 NE GLISAN ST #D

City/State/ZIP: PORTLAND, OR 97213

Phone: 503-621-4319 FAX:

E-mail: orbitheating@gmail.com

This permit application expires if a permit is not obtained within 180 days after it has been accepted as complete.

Commercial Fee Schedule - Use Checklist

Mechanical permit fees* are based on the value of the work performed. Indicate the value (rounded to the nearest dollar of all mechanical materials, equipment, labor, overhead and profit.

Value: \$ 5200

Residential Equipment / Systems Fees

For special information use checklist

Description	Qty.	Fee	Total
Heating / cooling			
Air conditioner (site plan required)		\$26	
Furnace / burner including duct work / vent / liner		\$55	
Heat pump (site plan required)	1	\$51	51
Air handling unit	2	\$26	52
Hydronic hot water system		\$32	
Residential boiler (radiator or hydronic) includes piping		\$32	
Unit heaters (fuel type, not electric) in-wall, in-duct, suspended, etc.		\$26	
Vent for appliance other than furnace		\$22	
Alteration of existing HVAC system		\$32	
Other fuel appliances			
Decorative gas fireplace		\$26	
Flue vent for water heater or gas fireplace		\$22	
Wood / pellet stove		\$57	
Gas or wood fireplace / insert		\$57	
Chimney / liner / flue / vent		\$22	
Other:		\$32	
Environmental exhaust and ventilation			
Range hood / other kitchen equipment		\$14	
Clothes dryer exhaust		\$14	
Single-duct exhaust (bathrooms, toilet compartments, utility rooms)		\$14	
Exhaust system apart from Heating or AC		\$22	
Other:	2	\$32	64
Gas fuel piping			
\$15 for the first four, \$2.70 for each additional. Please indicate number of fuel gas piping outlets below:			
Furnace, etc.			
Gas heat pump			
Wall / suspended / unit heater			
Water heater / boiler			
Fireplace			
Range			
Barbecue			
Clothes dryer			
Other:			
Other appliances			
Including oil tanks, gas and diesel generators, gas and electric kilns, gas appliances / equipment not included above		\$32	
Mechanical permit fees			
		Subtotal	
		Minimum permit fee (\$95)	
		Commercial plan review (60% of permit fee)	
		State surcharge (12% of permit fee)	
		TOTAL PERMIT FEE	

18-122 H2 H1



Orbit Heating and Cooling LLC

Paid \$2,000.00 on March 27, 2018

HVAC @ 4124 NE 32nd Ave, Portland, OR 97211

Invoice #1202

March 27, 2018

Customer

Chuck Olson

donna.olson4723@gmail.com

Scope of work:

1) Demo existing trunk line and return air take new return air with flex into crawlspace and connect to existing intake
airs 2) Move supply trunk line to run where return air was originally on left hand side of furnace 3) Reroute supply airs
as needed

Down payment of \$1000 received 3/19/2018

We appreciate your business.

HVAC work performed Mar 19-21, 2018	\$2,000.00
Subtotal	\$2,000.00
Total Due	\$2,000.00
Other	03/27/18, 9:37 AM

Orbit Heating and Cooling LLC
hello@orbitheatingandcooling.com
503-621-4319

Product Specifications

Model No. ^(a)	4A6H4018G1000A	4A6H4024G1000A	4A6H4030G1000A	4A6H4036G1000A
POWER CONNS. — V/PH/HZ ^(b)	208/230/1/60	208/230/1/60	208/230/1/60	208/230/1/60
MIN. BRCH. CIR. AMPACITY	12	14	17	19
BR. CIR. PROT. RTG. — MAX. (AMPS)	20	25	25	30
COMPRESSOR	DURATION™- SCROLL	DURATION™- SCROLL	DURATION™- SCROLL	DURATION™- SCROLL
RL AMPS — LR AMPS	9 — 56	10.9 — 62.9	12.8 — 67.8	14.7 — 72.2
Outdoor Fan FL AMPS	0.54	0.64	0.77	0.64
Fan HP	1/12	1/8	1/8	1/8
Fan Dia (inches)	23	23	27.5	27.5
Coil	SPINE FIN™	SPINE FIN™	SPINE FIN™	SPINE FIN™
Refrigerant R-410A	6 LBS., 1 OZ	6 LBS., 2 OZ	6 LBS., 13 OZ	7 LBS., 1 OZ
LINE SIZE — IN. O.D. GAS ^(c) ^(d)	3/4	3/4	3/4	3/4
LINE SIZE — IN. O.D. LIQ.	3/8	3/8	3/8	3/8
Charge Spec. Subcooling	10°F	10°F	8°F	10°F
Dimensions H x W X D Crated (IN.)	30.1 x 30 x 26.7	34 x 33 x 30.1	34.4 x 35.1 x 38.7	34.4 x 38.7 x 35.1
Weight — Shipping (lbs.)	161	191	248	248
Weight — Net (lbs.)	141	163	216	216
Optional Accessories:				
Anti-short Cycle Timer	TAYASCT501A	TAYASCT501A	TAYASCT501A	TAYASCT501A
Evaporator Defrost Control	NA	NA	NA	AY28X084
Rubber Isolator Kit	BAYISLT101	BAYISLT101	BAYISLT101	BAYISLT101
Extreme Condition Mount Kit	BAYECMT023	BAYECMT023	BAYECMT004	BAYECMT004
Start Kit	—	—	BAYKSKT263	BAYKSKT263
Crankcase Heater Kit	BAYCCHT302	BAYCCHT302	BAYCCHT302	BAYCCHT302
Seacoast Kit	BAYSEAC001	BAYSEAC001	BAYSEAC001	BAYSEAC001
Low Ambient Kit	BAYLOAM107	BAYLOAM107	BAYLOAM107	BAYLOAM103
Refrigerant Lineset ^(e)	TAYREFLN7*	TAYREFLN7*	TAYREFLN7*	TAYREFLN7*
Sound Enclosure	BAYSDEN003	BAYSDEN003	BAYSDEN003	BAYSDEN003
Service Valve Panel Cover	AAYSVPANL0022AA	AAYSVPANL0032AA	AAYSVPANL0032AA	AAYSVPANL3343AA

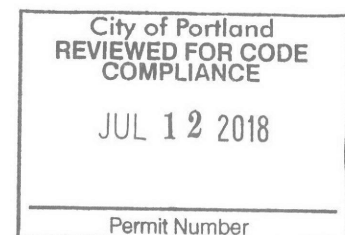
^(a) Certified in accordance with the Unitary Air-conditioner equipment certification program which is based on AHRI standard 210/240.

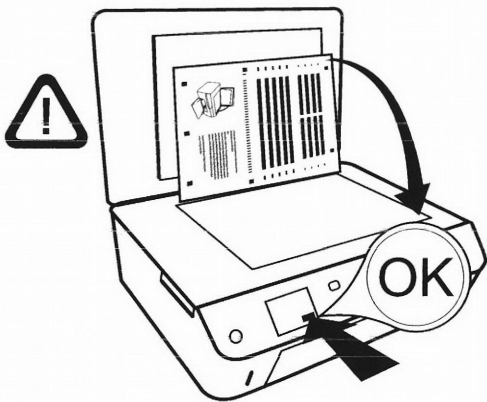
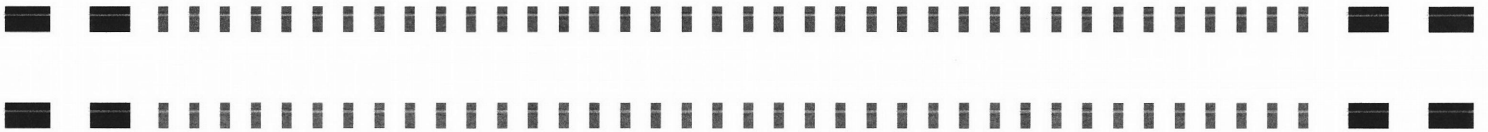
^(b) Calculated in accordance with N.E.C. Only use HACR circuit breakers or fuses.

^(c) Reference the outdoor unit ship-with literature for refrigerant piping length and lift guidelines. Reference the refrigerant piping software pub # 32-3312-xx or refrigerant piping application guide SS-APG006-xx for long line sets or specialty applications (xx denotes latest revision).

^(d) Trane outdoor condensing units are factory charged with the system charge required for the outdoor condensing unit and 15 feet of tested connecting lines. If connecting line length exceeds 15 feet, then final refrigerant charge adjustment is necessary. Each additional foot over 15 feet requires 0.6 ozs of refrigerant. See the Installer's Guide for full charging instructions.

^(e) * = 15, 20, 25, 30, 40 and 50 foot lineset available.





IMPORTANT!

You must scan this alignment page for best print quality:

STEP 1: Lift the lid. Place this alignment page face down on the right front corner of glass. Close the lid.

STEP 2: Press OK.



