
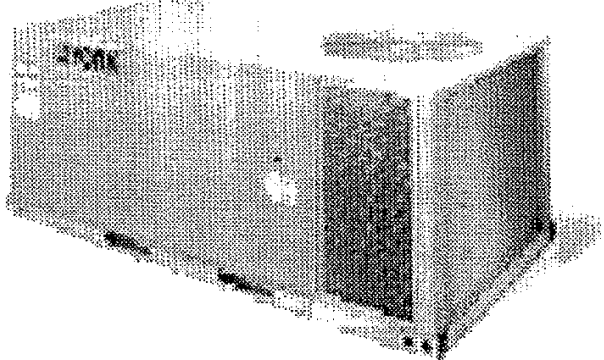


Appendix A Existing Unit Specifications

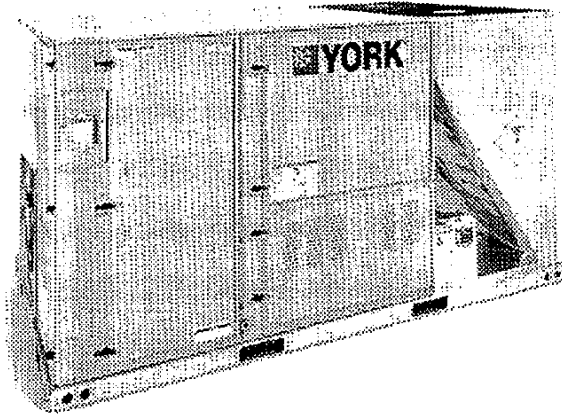
	HIGH EFFICIENCY HEAT PUMP UNIT	Date 10/10/2006 Page 2 Order No 06-014																																																																																																																								
Project Name SECHELT AQUATIC CENTRE SECHELT, B.C. Architect Engineer AME CONSULTING GROUP Purchaser IMEC MECHAINICAL LTD. COQUITLAM, B.C. Submitted By REFRIGERATIVE SUPPLY LANGLEY, B.C.																																																																																																																										
QUANTITY: 1 UNITS DESIGNATION: Schedule No: AHU-3 Model No: BP072C00Y5AAA1																																																																																																																										
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GENERAL FEATURES <ul style="list-style-type: none"> - Simplicity™ Controls - Solid State Control Board with Flash Code to Monitor System Operation - Low Ambient to Zero Degrees - Complete Factory Package - Tested, Charged, Wired - Hermetically Sealed Compressor - Unit Underside Insulated - Ambient Modified - Time/Temperature Defrost Logic on Heat Pumps - Bottom or Side Duct Configuration Capability - Low Voltage Relay Board With Terminal Strip - PTC Type Crankcase Heater - Liquid Line Filter Drier - Plug-Type Wiring Harness Connectors for Economizers - Permanently Lubricated Motors - 24 Volt Control Circuit with compressor lock out protection - Copper Tube/Aluminum Fin Coils - 2" Filter Rack with 1" T/A Filters - High & Low Pressure / Loss of Charge and Freezestat Protection Switches - Easy Access to all Electrical Components - Rigging Holes and Forklift Slots in Base Rails for Lifting - Single Point Power Connection - Powder Paint Finish That Meets ASTM-B117, 1000 hr. Salt Spray Test Standards - CSA Agency Approval on all Units - Factory Warranty <ul style="list-style-type: none"> - One Year on the Complete Unit - Four Additional Years on the Compressor - Four Additional Years on the Electric Heating Elements 																																																																																																																										
<p><small>1. Units may be installed on combustible floors made from wood or class A, B or C roof covering materials.</small></p> <p><small>2. Units must be installed out doors. Overhanging structures or shrubs should not obstruct condenser air discharge outlet.</small></p>																																																																																																																										

Project Name SECHELT AQUATIC CENTRE SECHELT, B.C.
 Architect
 Engineer AME CONSULTING GROUP
 Purchaser IMEC MECHANICAL LTD. COQUITLAM, B.C.
 Submitted By REFRIGERATIVE SUPPLY LANGLEY, B.C.

QUANTITY: 1 UNITS DESIGNATION: Schedule No: AHU-4

Model No: BP090C00Y5AAA4

COOLING PERFORMANCE		
Total Capacity	95.9	MBH
Sensible Capacity	72.0	MBH
Efficiency (at AR1)	10.60	EER
Part Load Efficiency	11.08	IPLV
Ambient DB Temp	95.0	F
Entering DB Temp	80.0	F
Entering WB Temp	67.0	F
Leaving DB Temp	59.8	F
Leaving WB Temp	57.9	F
Power Input (w/o blower)	7.60	KW
Elevation	0	Ft
Sound Power	90	Dbels
HEATING PERFORMANCE		
Electric Heat		
Heating Capacity	N/A	MBH
Power Input	N/A	KW
Entering DB Temp	60.0	F
Leaving DB Temp	60.0	F
Capacity at 47 Deg. F	85	MBH
Capacity at 17 Deg. F	46	MBH
COP at 47 Deg. F	3.2	
COP at 17 Deg. F	2.2	
SUPPLY AIR BLOWER PERFORMANCE		
Supply Air	3300	CFM
Outside Air	0	CFM
External Static Pressure	0.60	IWG
Duct Connection Location		Bottom
Blower Speed	1307	RPM
Motor Rating	3.0	HP
Brake Horsepower	2.42	BHP
Power Input	2.25	KW
ELECTRICAL DATA		
Power Supply	575-3-60	
Total Unit Ampacity	16.8	Amps
Maximum Overcurrent Device		
Fuse Size	20	Amps
HACR Circuit Breaker	20	Amps
DIMENSIONS & WEIGHT		
Height	42 in	Width 89 in
		Depth 59 in
Total Weight (incl factory options)	910 Lbs	
CLEARANCES		
Front	36 in	Back 36 in
Bottom ¹	0 in	Top ² 72 in
Left Side	36 in	
Right Side (condenser end)	12 in	



GENERAL FEATURES

- Complete Factory Package - Tested, Charged, Wired
- Two-Stage Cooling with Independent Circuits and Face-Split Evaporator Coil except 6.5-ton heat pumps which have One-Stage Cooling with Single Circuit.
- Hermetically Sealed Compressors
- Adjustable Belt Drive Blower
- Simplicity™ Controls
- Solid State Control Board with Flash Code to Monitor System Operation
- Bottom or Side Duct Connections
- 2" T/A Filters
- Low Voltage Relay Board With Terminal Strip
- Crankcase Heaters
- Solid Core Liquid Line Filter Driers
- Slide-out Condensate Drain Pan
- Hinged Access Panels
- Slide-out Blower/ Motor Assembly
- Low Ambient to Zero Degrees
- Compressor Anti-Recycle Protection
- Plug-Type Wiring Harness Connectors for Economizers
- Permanently Lubricated Motors
- 24 Volt Control Circuit with Compressor Lock Out Protection
- High Pressure, Low Pressure and Freezstat Controls
- Copper Tube/Aluminum Fin Coils
- Easy Access to all Electrical Components
- Rigging Holes and Forklift Slots in Base Rails for Lifting
- Single Point Power Connection
- Powder Paint Finish That Meets ASTM-B117, 1000 hr. Salt Spray Test Standards
- CSA Agency Approval on all Units
- Factory Warranty
 - One Year on the Complete Unit
 - Four Additional Years on the Compressors
 - Four Additional Years on the Electric Heating Elements

1. Units may be installed on combustible floors made from wood or class A, B or C roof covering materials
 2. Units must be installed out doors. Overhanging structures or shrubs should not obstruct condenser air discharge outlet.





HIGH EFFICIENCY HEAT PUMP UNIT

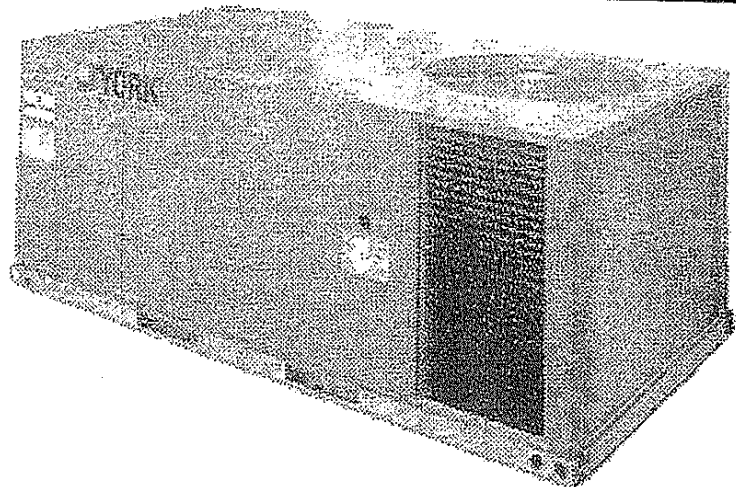
Date 07/04/2007 Page 2
Order No

Project Name	SECHELT AQUATIC CENTRE	SECHELT, B.C.
Architect		
Engineer	AME ENGINEERING	VICTORIA, B.C.
Purchaser	IMEC MECHANICAL LTD.	COQUITLAM, B.C.
Submitted By	REFRIGERATIVE SUPPLY	LANGLEY, B.C.

RTU #5

QUANTITY: 1 UNITS DESIGNATION: Schedule No: 6 TON Model No: BP072C00N5AAA1

COOLING PERFORMANCE		
Total Capacity	69.8	MBH
Sensible Capacity	49.0	MBH
Efficiency (at ARI)	10.20	EER
Ambient DB Temp	95.0	F
Entering DB Temp	80.0	F
Entering WB Temp	67.0	F
Leaving DB Temp	58.4	F
Leaving WB Temp	56.4	F
Power Input (w/o blower)	5.80	KW
Elevation	0	Ft
Sound Power	84	Dbels



HEATING PERFORMANCE		
Electric Heat		
Capacity	54.3	MBH
Power Input	15.9	KW
Capacity at 47 Deg. F	69.0	MBH
Capacity at 17 Deg. F	43.0	MBH
COP at 47 Deg. F	3.2	
COP at 17 Deg. F	2.2	
Entering DB Temp	60.0	F
Leaving DB Temp	83.9	F

GENERAL FEATURES

- Simplicity™ Controls
- Solid State Control Board with Flash Code to Monitor System Operation
- Low Ambient to Zero Degrees
- Complete Factory Package - Tested, Charged, Wired
- Hermetically Sealed Compressor
- Unit Underside Insulated
- Ambient Modified - Time/Temperature Defrost Logic on Heat Pumps
- Bottom or Side Dust Configuration Capability
- Low Voltage Relay Board With Terminal Strip
- PTC Type Crankcase Heater
- Liquid Line Filter Drier
- Plug-Type Wiring Harness Connectors for Economizers
- Permanently Lubricated Motors
- 24 Volt Control Circuit with compressor lock out protection
- Copper Tube/Aluminum Fin Coils
- 2" Filter Rack with 1" T/A Filters
- High & Low Pressure / Loss of Charge and Freezestat Protection Switches
- Easy Access to all Electrical Components
- Rigging Holes and Forklift Slots in Base Rails for Lifting
- Single Point Power Connection
- Powder Paint Finish That Meets ASTM-B117, 1000 hr. Salt Spray Test Standards
- CSA Agency Approval on all Units
- Factory Warranty
 - One Year on the Complete Unit
 - Four Additional Years on the Compressor
 - Four Additional Years on the Electric Heating Elements

SUPPLY AIR BLOWER PERFORMANCE		
Supply Air	2100	CFM
Outside Air	0	CFM
External Static Pressure	0.50	IWG
Duct Connection Location	Bottom	
Blower Speed	1209	RPM
Motor Rating	1.5	HP
Power Input	1.44	KW
Brake Horsepower	1.54	BHP

ELECTRICAL DATA		
Power Supply	575-3-60	
Minimum Circuit Ampacity	31.0 Amps	
Maximum Overcurrent Device Fuse Size	35 Amps	
HACR Circuit Breaker	35 Amps	

DIMENSIONS & WEIGHT		
Height	33 in	Width 82 in
Depth	45 in	
Total Weight (incl factory options)	688 Lbs	

CLEARANCES			
Front	24 in	Back	36 in
Bottom ¹	0 in	Top ²	72 in
Left Side (filter access)	36 in		
Right Side (outdoor coil)	24 in		

Units may be installed on combustible floors made from wood or class A, B or C roof covering materials.
Units must be installed out doors. Obstructing structures or shutters should not obstruct condenser air discharge outlet.