The Unico System®

Commissioning Report

Customer _____ Today's Date _____

Address _____ Installed Date _____

_____

Phone _____ Fax _____

Dealer/Contractor _____ Phone _____ Fax _____

Distributor/Branch _____ Phone _____ Fax _____

Installed Equipment

Indoor Unit: Blower Module Model: _____ S/N: _____ Cooling Module Model: _____ S/N: _____

Heating Module Model: _____ S/N: _____ Electric Furnace WON _____ S/N: _____

Outdoor Unit Make/Model _____ Nominal Capacity: ☐ circle one tons kW Nominal SEER _____

Installed Options: ☐ Filter Drier ☐ Low Ambient Control ☐ Mild Weather Kit (for heat pumps)

Liquid Line (size, length) _____ Suction Line (size, length) _____

Duct System (Use back of sheet to sketch)

No. of outlets ☐ Avg. Length (ft.)(mm) _____

Plenum Duct (size, length, type) _____

Return Duct (size, length, description) _____

Field Measurements

Electrical: Amps: ☐ Volts: _____ Non-EC motor airflow (from amperage table): _____ circle one CFM L/s

Total Airflow _____ circle one CFM L/s EC motor programmed airflow: _____ circle one CFM L/s

Motor Model Number (See Nameplate) _____

Plenum Static Pressure _____ circle one in. water Pa Where measured: _____ (min. of 24 inch [600 mm] from blower)

Pressures: circle one psig kPa Suction Line _____ Liquid Line _____ Location measured: OUTDOOR UNIT INDOOR UNIT

Temperatures: circle one °F °C Suction Line _____ Liquid Line _____ Location measured: OUTDOOR UNIT INDOOR UNIT

Calculated from Sat. Temp: Superheat _____ Subcooling _____ Refrigerant Charge (lbs. oz.) _____

Outdoor Ambient _____ Return Air _____ Supply Air _____ ΔT (coil) _____

Water coil data: _____ circle one GPM L/s Water temperature (inlet/outlet): _____ / _____ circle one °F °C Glycol Percentage: _____

Comments: _____

_____

_____

_____

Report Filed By: _____

***IMPORTANT* COMPLETELY FILL-IN BOTH SIDES OF THIS REPORT**

	Room					Required Room Load

Notes – specifications and dimensions are subject to change.

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Duct Run		Duct Type‡	Duct Length, ft (mm)	Outlet Velocity, knots†	Calculated Airflow‡, CFM (L/s)	Cooling	Heating
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
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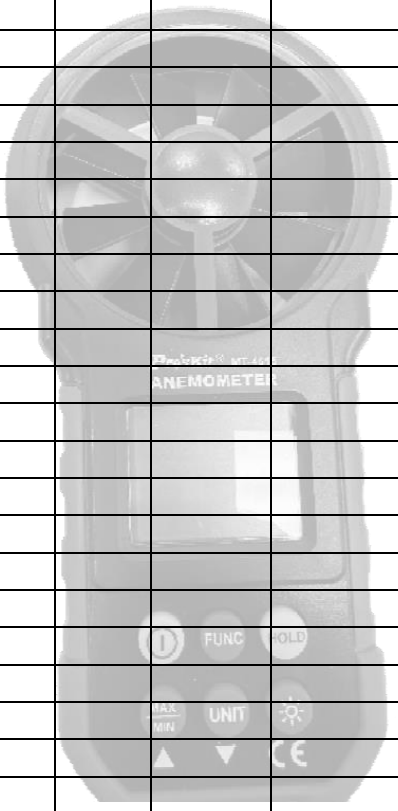

† Set the units on the Anemometer to Knots (or 100s of ft/min or m/s × 0.51). Refer to Technote 113.002 for more information.

‡ Airflow is by velocity method is determined by the following equations:

Type	Description	CFM	L/S
R 2	Round, 2-inch (50 mm)	Knots x 2.77	Knots x 1.31
R 2.5	Round, 2.5-inch (63 mm)	Knots x 3.0	Knots x 1.42
SL	Slotted, straight	Knots x 5.6	Knots x 2.64
SL 90	Slotted, 90˚	Knots x 5.53	Knots x 2.61

Alternately, airflow can be directly displayed without calculation by following the instructions in Technote 113.002.

Please make a sketch of the plenum system showing elbows, length and size of duct, and location of branch runs.

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