

▼ FROST CONSIDERATIONS

ods of occupied time and supply air must be continuously provided. An electric coil is provided to heat outside air above the expected frost temperature via a customer adjustable temperature setpoint. Independent mounting support at supply air inlet to be provided by others. A separate power circuit may be

required. Optional ETL Listing is not available.

Typical preheat design temperature rises are less than 20°F, with relatively low initial and operating expense in most climates.

▼ OPTIONS

• WHEEL CONTROLS

Constant Speed Drive Wheel continuously operates at constant speed. An external on/off wheel control circuit is supplied.

Temperature Controlled Economizer Mode Adjustable temperature actuated thermostats operate wheel for heating and cooling, and stop wheel for “free cooling” economizer mode. Most appropriate for low humidity climates.

Enthalpy Controlled Economizer Mode Adjustable enthalpy controller operates wheel for cooling, and stops wheel for economizer mode. Ideal for use in high humidity climates where latent recovery is the major contributor to total energy savings. Override circuit for heating mode is required.

Wheel Variable Speed Drive external speed signal varies wheel speed to control supply air temperature.

• UNIT OPTIONS

Double Wall Construction securely isolates insulation to prevent damage and air supply contamination.

Dirty Filter Sensors provide adjustable setpoint pressure drop indication for supply and exhaust air streams.

Rotation Detector provides output signal for remote alarm (by others) upon rotation failure.

ETL Listing Available listing shows tests for conformity to UL Standard 1812, and certification to CAN/CSA C22.2 No. 236.

7-Day Programmable Time Clock

Remote Panel with customer selected display is available to be field installed and wired.

Security Cables are available on Sizes 01-03 to prevent loss or damage to access panels.

Painted Cabinets are available to match existing building equipment.

Airflow Monitor Gage allows reading of actual supply or return airflow at the unit.

• EXTENDED WARRANTIES

- Standard wheel warranty - 5 years.

- Optional mechanical only extended warranties are available for up to 5 years from shipment.

▼ **ACCESSORIES**

• **DAMPERS**

- Gravity backdraft dampers for both outside air and exhaust opening.
- Motorized supply damper with gravity damper on exhaust.
- Motorized supply and exhaust damper.
- On unit sizes 01-03, dampers will be mounted in the weatherhoods or in external duct sleeves.
- On unit sizes 04-08, motorized supply and exhaust will have motorized outside and return air dampers and GBD exhaust damper.

• **WEATHERHOODS**

- Galvanized steel weatherhoods are available. Outside air intakes are complete with aluminum moisture eliminators.

• **ROOF CURBS**

- Prefabricated roof curbs of galvanized or galvalume construction with fiberglass insulation are available in 8 inch and 14 inch heights for outdoor installation. Other curb heights are available.

▼ **PERFORMANCE DATA**



WEHC 01 (300 to 700 CFM)

EXTERNAL STATIC PRESS, INCH W. G. (Pa)

CFM (L/s)		0.000 (0)	0.125 (31)	0.250 (62)	0.375 (93)	0.500 (124)	0.750 (186)	1.000 (249)	1.250 (311)
300 (142)	RPM					1,275			
	BHP					0.12			
	[KW]					[0.09]			
400 (189)	RPM	1,111	1,172	1,240	1,317	1,402	1,592	1,782	1,949
	BHP	0.12	0.13	0.15	0.17	0.19	0.23	0.32	0.39
	[KW]	[0.09]	[0.10]	[0.11]	[0.13]	[0.14]	[0.17]	[0.24]	[0.29]
500 (236)	RPM	1,392	1,442	1,483	1,545	1,605	1,734	1,879	2,040
	BHP	0.24	0.25	0.26	0.28	0.30	0.34	0.41	0.52
	[KW]	[0.18]	[0.19]	[0.19]	[0.21]	[0.22]	[0.25]	[0.31]	[0.39]
600 (283)	RPM	1,669	1,708	1,753	1,789	1,836	1,939	2,041	2,160
	BHP	0.41	0.42	0.43	0.45	0.48	0.53	0.58	0.67
	[KW]	[0.31]	[0.31]	[0.32]	[0.34]	[0.36]	[0.40]	[0.43]	[0.50]
700 (330)	RPM	1,947	1,981	2,021	2,053	2,084			
	BHP	0.65	0.66	0.68	0.69	0.71			
	[KW]	[0.48]	[0.49]	[0.51]	[0.51]	[0.53]			