LOW BOY VERTICAL FAN COIL UNITS WITH EPIC ECM OR 3-SPEED ECM

UPDRAFT DESIGN • CLOSET TYPE

2 PIPE OR 4 PIPE

MODEL SERIES: 39MU • UNIT SIZES 3 – 21

MODELS:

- ❑ 39MUZ Chilled/Hot Water (2-pipe).
- ❑ 39MUZE Chilled Water & Electric Heat (2-pipe).
- ❑ 39MUZW Chilled & Hot Water (4-pipe).
- ❑ 39MUW Hot Water (2-pipe).

STANDARD FEATURES:

- 20 ga. (1.0) galvanized steel casing.
- 1/2" (13) thick x 2 lb/cu. ft. density water repellent insulation.
- Bottom return air entry (requires raised platform by others).
- Top discharge.
- Galvanized steel insulated drain pan.
- Factory installed P-Trap.
- Easy access front panel for quick servicing.
- 1" (25) throwaway filter.
- Factory installed valve/piping package(s).

OPTIONS:

- ❑ 1/2" (13) Fiber-Free liner.
- ❑ 1/2" (13) Steri-liner.
- ❑ 1" (25) MERV 8 pleated filter.
- ❑ Front return air grille.
- ❑ Front return air filter grille.
- ❑ Custom sub-base.
- ❑ Electric heat.
- ❑ Stainless steel drain pan.
- ❑ Drain pan float switch.
- ❑ Toggle disconnect switch.
- ❑ Thermostat / Controls (by Engineered Comfort).
- ❑ Special features: _____ .

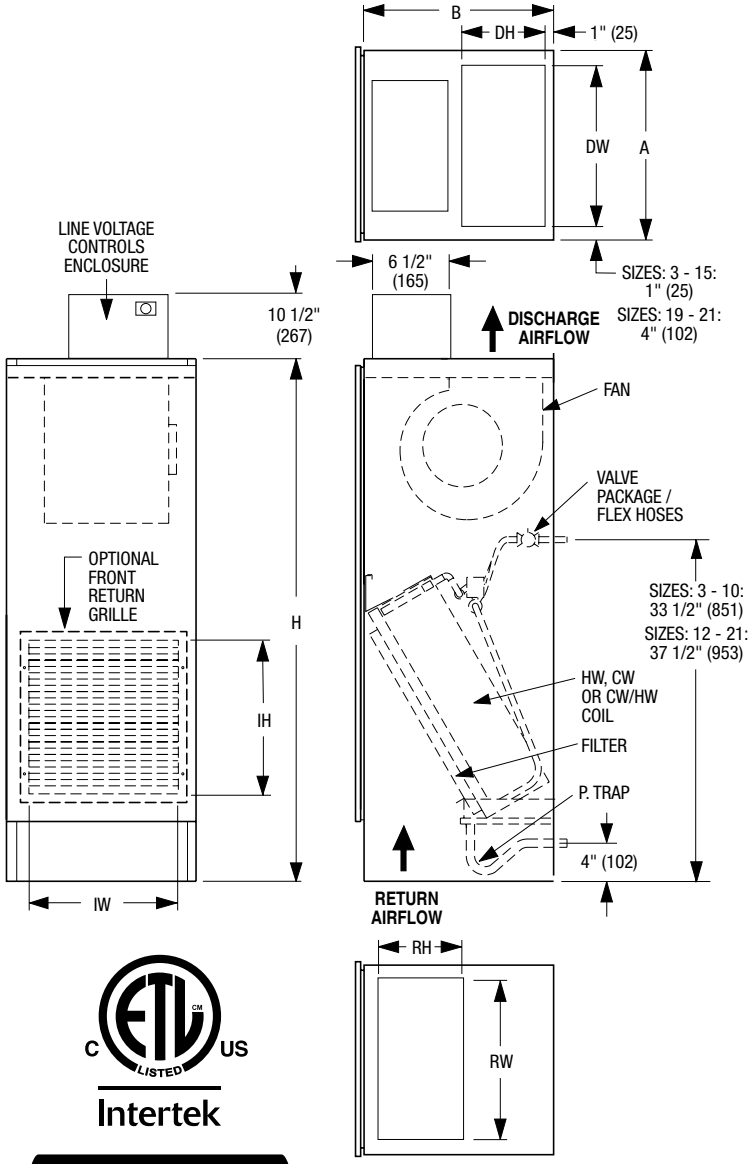
WATER COIL:

- 1/2" (13) copper tubes with aluminum ripple fins.
- 1/2" (13) or 3/4" (19) stainless steel flexible braided hose connections (dependent on valve/piping package).
- Manual air vents.
- Coil connections on rear of unit.

Coil Options:

2 Pipe system:
- ❑ 3 Row CW/HW.
- ❑ 4 Row CW/HW.
- ❑ 1 Row HW Only.
- ❑ 2 Row HW Only.
- ❑ 3 Row HW Only.

4 Pipe system:
- ❑ 3/1 CW/HW Rows.
- ❑ 3/2 CW/HW Rows.
- ❑ 4/1 CW/HW Rows.



Intertek

AHRI CERTIFIED™ www.ahridirectory.org
Room Fan-Coils
AHRI Standard 440

Dimensional Data

Unit Size	Footprint A x B	Height H	Discharge Opening DW x DH	Return Opening RW x RH	Opt. Return Grille Nom. IW x IH	Standard Filter Size
3, 5, 6	18 x 18 (457 x 457)	55 (1397)	16 x 10 (406 x 254)	15 x 8 (381 x 203)	16 x 15 (406 x 381)	13 1/8 x 16 3/4 (333 x 425)
8, 10	20 x 20 (508 x 508)	55 (1397)	18 x 10 (457 x 254)	17 x 9 (432 x 229)	18 x 21 (457 x 533)	15 1/2 x 24 (394 x 610)
12, 15	24 x 24 (610 x 610)	60 (1524)	22 x 10 (559 x 254)	21 x 12 (533 x 305)	22 x 26 (559 x 660)	18 1/2 x 29 (470 x 737)
19, 21	30 x 24 (762 x 610)	60 (1524)	28 x 10 (711 x 254)	27 x 12 (686 x 305)	28 x 26 (711 x 660)	24 1/2 x 29 (622 x 737)

Dimensions are in inches (mm).

SCHEDULE TYPE:				
PROJECT:				
ENGINEER:	DATE	B SERIES	SUPERSEDES	DRAWING NO.
CONTRACTOR:	5 - 15 - 26	39	5 - 9 - 24	39MU-1

Engineered Comfort reserves the right to change any information concerning product or pricing without notice.

Electrical Data

Unit Size	EPIC ECM Motor FLA					3-Speed ECM FLA				
	Motor HP	120V	208V	240V	277V	Motor HP	120V	208V	240V	277V
3	*	—	—	—	—	1/3	1.6	1.1	1.1	1.0
5	*	—	—	—	—	1/3	2.0	1.4	1.4	1.2
6	*	3.6	2.3	2.2	2.0	1/3	2.5	1.8	1.7	1.6
8	*	—	—	—	—	1/3	3.4	2.4	2.3	2.1
10	*	6.8	4.0	4.3	3.6	1/2	4.7	3.3	3.2	2.9
12	*	—	—	—	—	3/4	5.3	3.7	3.7	3.3
15	*	8.7	5.8	5.4	4.6	3/4	8.0	5.6	5.5	5.0
19	*	12.7	8.5	7.8	6.5	1	11.9	8.3	8.2	7.4
21	*	—	—	—	—	1	12.5	8.8	8.6	7.8

***** The EPIC ECM is a variable horsepower motor. Refer to Selectworks schedule for actual power consumption.
FLA = Full load amperage (high speed fan). All motors are single phase/60 Hz.

MOTOR OPTIONS:

- ❑ EPIC ECM. Ultra-high efficiency fan motor with overload protection. EPIC fan volume controller, 0–10 Vdc.
- ❑ 3-Speed ECM. Ultra-high efficiency fan motor with overload protection.

ELECTRIC HEAT:

- Class 'A' 80/20 Ni./Cr. wire.
- Automatic reset high limit cut-outs (one per element).
- Magnetic contactors per stage.
- Heater is installed on unit discharge.
- Controls enclosure incorporates a hinged door and is recessed inside the heater unit. The enclosure is top mounted on updraft unit.
- Insulated coil element wrapper.
- Single point electrical connection for entire fan coil unit.
- Fan coil unit with electric heat is ETL Listed as an assembly.

Voltage:

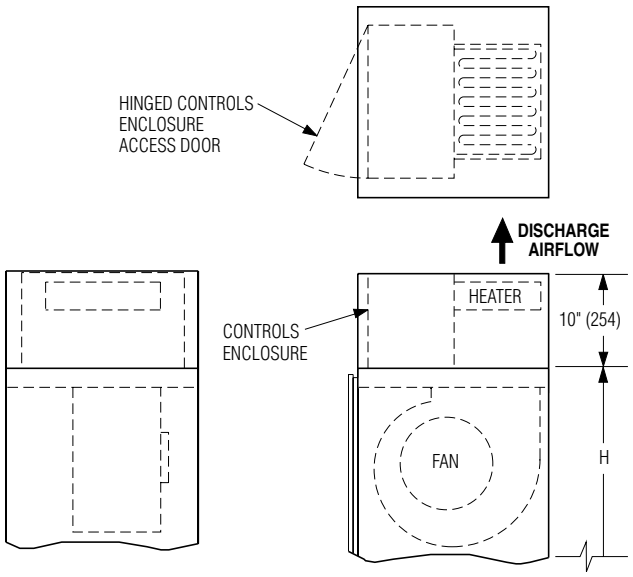
Single phase, 60 Hz.

❑ 120V ❑ 208V ❑ 240V ❑ 277V

Electric heat options:

- ❑ Door interlocking disconnect switch.
- ❑ Main fusing.
- ❑ Quiet contactors.
- ❑ Manual reset secondary Hi-limit thermal cut out.
- ❑ Special features: _____ .

39MU UPDRAFT ELECTRIC HEATER SECTION



SCHEDULE TYPE:	Page 2 of 2. Dimensions are in inches (mm).			
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