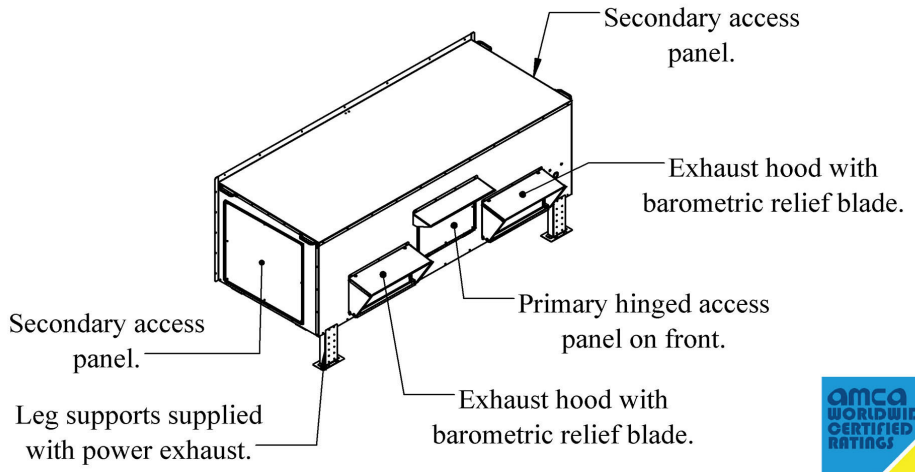
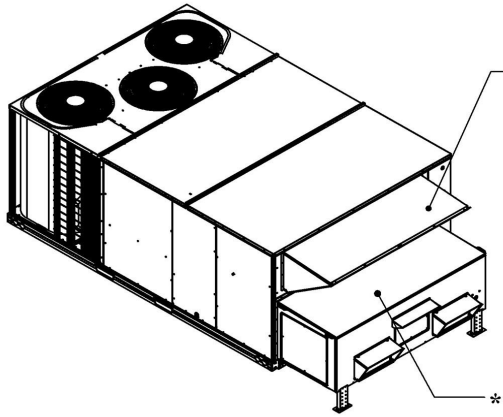
MicroMetl	Date:	Weight: 323lbs (US) 146.51kg (Metric)	Part Number: PCC-MRT69CA-D-4L4
	RTU:		
Submitted to:		Approved by:	Notes:

Power Exhaust - Power Exhaust - Modulating Speed, Centrifugal Exhaust Type, Convertible Orientation, 460 Volt Three Phase Voltage. Designed To Operate At 8676 CFM @ 1/2" - 4HP. Painted To Match RTU. DOES NOT INCLUDE ECONOMIZER. Compatible With MicroMetl & Carrier Factory Economizers. Mounted On Return Air Ductwork In The Horizontal Application. Electrical junction box provided. High voltage cable to be field supplied and installed. BacNet Compatible.

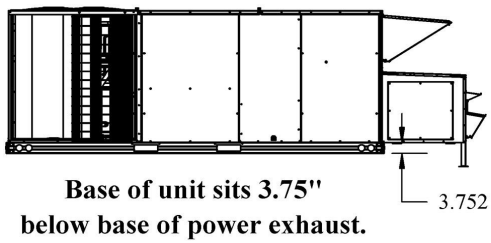




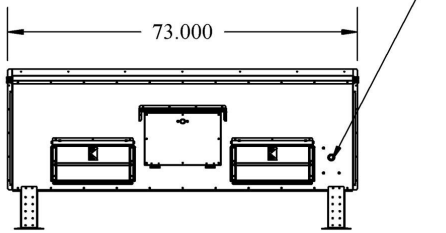
MicroMetl Corporation certifies that the models GR1 and NS1 shown herein is licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 511 and comply with requirements of the AMCA Certified Ratings Programs. The AMCA Certified Ratings Seal applies to Air Leakage and Air Performance ratings.

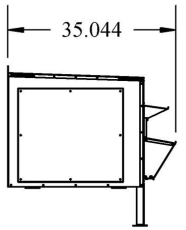
Power entry point.
1/2" and 3/4" knockouts.
(.875" and 1.125" actual)

****FIELD SUPPLIED DISCONNECT IS NEEDED FOR POWER EXHAUST****



Base of unit sits 3.75" below base of power exhaust.





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Master Revision 0001A

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Compliant Economizer:

1. **Title 24:** Economizers meet California Energy Commission Title 24-2013 / 2016 prescriptive section 140.4 (damper leakage etc.), and mandatory section 120.2.i for Fault Detection and Diagnostic controls (JADE HJW10).
2. **ASHRAE 90.1:** Economizers meet ASHRAE 90.1-2013 / 2016 damper leakage requirements as stated in Table 6.4.3.4.3., and meet 2016 Fault Detection and Diagnosis requirements in section 6.4.3.12.
3. **IECC:** Economizers meet IECC 2012 section C402.4.5.2 and, IECC 2015 sections C403.2.4.3 and C403.3.3.5 for outside air, return air, and relief damper (when provided) leakage requirements, and IECC 2015 section c403.2.4.7 for Fault Detection and Diagnostic requirements, Note: IECC 2015 section C403.2.4.7.1 requires differential return air sensor, which is included in some models (i.e. -DYXB) and must be ordered separately on others (i.e. -DYDB, -DYEB).
4. **AMCA:** Outside air and return air (volume) dampers are AMCA Class 1A rated 1" w.g. Refer to MicroMetl NS1 catalog sheet on web site for details. Relief air dampers (when provided) are also AMCA rated. Refer to GR1 series catalog sheet on web site for details.

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- 2HP Power Exhaust Configurations and Electrical Data

Suffix	Voltage	Phase	Description	HP	FLA	MCA	MOCP	Internally Provided Fuses
2V2	208-230/240	3	Constant Volume	2.0	7.6-7.2	9.5-9.0	12.4-11.7	N/A
2L2 or 2T2	208-230/240	3	Modulating	2.0	13.6*	17	30.6	25 Amp
4V2	460/480	3	Constant Volume	2.0	3.8	4.8	6.2	N/A
4L2 or 4T2	460/480	3	Modulating	2.0	6.5*	8.1	14.6	10 Amp

- 4HP Power Exhaust Configurations and Electrical Data

Suffix	Voltage	Phase	Description	HP	FLA	MCA	MOCP	Internally Provided Fuses
2V4	208-230/240	3	Constant Volume	4.0	11.2-10.8	14.0-13.5	18.2-13.1	N/A
2L4 or 2T4	208-230/240	3	Modulating	4.0	20.6*	25.8	46.4	40 Amp
4V4	460/480	3	Constant Volume	4.0	5.4	6.8	8.8	N/A
4L4 or 4T4	460/480	3	Modulating	4.0	10.5*	13.1	23.6	20 Amp

- 6HP Power Exhaust Configurations and Electrical Data

Suffix	Voltage	Phase	Description	HP	FLA	MCA	MOCP	Internally Provided Fuses
2V6	208-230/240	3	Constant Volume	6.0	18.4-17.2	23.0-21.5	29.9-28.0	N/A
2L6 or 2T6	208-230/240	3	Modulating	6.0	28.8*	36	64.8	40 Amp
4V6	460/480	3	Constant Volume	6.0	8.6	10.8	14.0	N/A
4L6 or 4T6	460/480	3	Modulating	6.0	14.3*	17.9	32.2	25 Amp

*VFD Input Current

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Data provided by blower manufacturer

"2 HP" Airflow & Sound Data - Assumes .5 Internal Exhaust Cabinet Static.

CFM	ESP	RPM	Freq. (Hz)	63	125	250	500	1000	2000	4000	8000	Blower Outlet dBA @ 5ft.
6916	0.1	712	dBA	84.0	80.0	75.0	73.0	71.0	69.0	66.0	63.0	66.0
6652	.25	756		86.0	80.0	76.0	74.0	72.0	70.0	66.0	63.0	67.0
6548	.3	775		87.0	81.0	77.0	75.0	73.0	70.0	67.0	64.0	67.0
6358	.4	804		88.0	82.0	77.0	75.0	73.0	70.0	67.0	64.0	68.0
6136	.5	837		89.0	84.0	79.0	77.0	74.0	72.0	69.0	66.0	69.0
5884	.6	869		89.0	87.0	81.0	79.0	75.0	74.0	71.0	68.0	71.0

"4 HP" Airflow & Sound Data - Assumes .5 Internal Exhaust Cabinet Static.

CFM	ESP	RPM	Freq. (Hz)	63	125	250	500	1000	2000	4000	8000	Blower Outlet dBA @ 5ft.
9188	0.1	836	dBA	90.0	89.0	83.0	80.0	77.0	76.0	72.0	69.0	73.0
9010	.25	859		90.0	88.0	83.0	80.0	76.0	76.0	72.0	69.0	72.0
8942	.3	868		90.0	88.0	83.0	80.0	76.0	75.0	72.0	69.0	72.0
8814	.4	886		90.0	88.0	83.0	80.0	76.0	75.0	72.0	69.0	72.0
8676	.5	907		91.0	88.0	83.0	80.0	76.0	75.0	72.0	69.0	72.0
8272	.75	970		92.0	89.0	84.0	81.0	77.0	76.0	73.0	70.0	73.0
7880	1.0	1033		92.0	91.0	86.0	82.0	78.0	77.0	74.0	71.0	74.0
7594	1.1	1055		93.0	93.0	87.0	84.0	78.0	78.0	75.0	72.0	76.0

"6 HP" Airflow & Sound Data - Assumes .5 Internal Exhaust Cabinet Static.

CFM	ESP	RPM	Freq. (Hz)	63	125	250	500	1000	2000	4000	8000	Blower Outlet dBA @ 5ft.
10732	0.1	939	dBA	93.0	93.0	88.0	85.0	80.0	80.0	77.0	73.0	77.0
10574	.25	954		92.0	93.0	88.0	84.0	79.0	80.0	76.0	73.0	76.0
10506	.3	959		92.0	93.0	88.0	84.0	79.0	79.0	76.0	73.0	76.0
10428	.4	973		92.0	93.0	88.0	84.0	79.0	79.0	76.0	73.0	76.0
10318	.5	987		92.0	93.0	87.0	84.0	79.0	79.0	76.0	72.0	76.0
9964	.75	1027		93.0	93.0	87.0	84.0	79.0	79.0	75.0	72.0	76.0
9670	1.00	1080		93.0	94.0	88.0	85.0	80.0	79.0	76.0	73.0	77.0
9394	1.25	1137		94.0	95.0	89.0	85.0	81.0	80.0	77.0	74.0	78.0
8800	1.50	1186		95.0	96.0	91.0	87.0	82.0	81.0	78.0	75.0	79.0

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