

# Certificate of Product Ratings

**AHRI Certified Reference Number: 6955352**

Date: 12/22/2014

†Status: Active

**Product: Component Air-to-Air Energy Recovery Ventilator**

**Model Number: UWCH-30**

**Manufacturer: SEMCO LLC/FLAKT WOODS AB**

**Trade/Brand name: SEMCO**

**Rated as follows in accordance with AHRI Standard 1060-2012 for Air-to-Air Heat Exchangers for Energy Recovery Ventilation Equipment and subject to verification of rating accuracy by AHRI-sponsored, independent, third party testing:**

Product Type: Wheel Leaving Supply Air Flow (SCFM): 1050  
 Pressure Drop (inches): 0.46 Additional Notes:

Leakage Ratings	Pressure Differential	EATR(%)	OACF	Purge Angle/Setting
Test 1:	-0.50	2.50	0.94	1
Test 2:	0.00	1.20	1.10	1
Test 3:	0.50	0.80	1.13	1

**Thermal Effectiveness Ratings at 0" Pressure Differential**

	Sensible(%)	Latent(%)	Total(%)
100% Air Flow Heating	74	70	73
75% Air Flow Heating	76	74	75
100% Air Flow Cooling	73	71	72
75% Air Flow Cooling	76	75	75

	Net Sensible(%)	Net Latent(%)	Net Total(%)
100% Air Flow Heating	73	69	72
75% Air Flow Heating	75	73	75
100% Air Flow Cooling	72	70	71
75% Air Flow Cooling	75	74	75

† Models with an 'Active' status are those that are currently in production. Models with a 'Discontinued' status are those that the manufacturer has elected to stop producing, yet stock is still available. Models with an 'Obsolete' status are those that the manufacturer is required to stop manufacturing due to an AHRI certification program test failure.

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# Certificate of Product Ratings

**AHRI Certified Reference Number: 6955353**

Date: 12/22/2014

†Status: Active

**Product: Component Air-to-Air Energy Recovery Ventilator**

**Model Number: UWCH-36**

**Manufacturer: SEMCO LLC/FLAKT WOODS AB**

**Trade/Brand name: SEMCO**

**Rated as follows in accordance with AHRI Standard 1060-2012 for Air-to-Air Heat Exchangers for Energy Recovery Ventilation Equipment and subject to verification of rating accuracy by AHRI-sponsored, independent, third party testing:**

Product Type: Wheel Leaving Supply Air Flow (SCFM): 1500  
 Pressure Drop (inches): 0.45 Additional Notes:

Leakage Ratings	Pressure Differential	EATR(%)	OACF	Purge Angle/Setting
Test 1:	-0.50	2.50	0.95	1
Test 2:	0.00	1.20	1.08	1
Test 3:	0.50	0.80	1.12	1

## Thermal Effectiveness Ratings at 0" Pressure Differential

	Sensible(%)	Latent(%)	Total(%)
100% Air Flow Heating	74	70	73
75% Air Flow Heating	76	74	75
100% Air Flow Cooling	73	71	72
75% Air Flow Cooling	76	75	75

	Net Sensible(%)	Net Latent(%)	Net Total(%)
100% Air Flow Heating	73	69	72
75% Air Flow Heating	75	73	75
100% Air Flow Cooling	72	70	71
75% Air Flow Cooling	75	74	75

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# Certificate of Product Ratings

**AHRI Certified Reference Number: 6955354**

Date: 12/22/2014

†Status: Active

**Product: Component Air-to-Air Energy Recovery Ventilator**

**Model Number: UWCH-41**

**Manufacturer: SEMCO LLC/FLAKT WOODS AB**

**Trade/Brand name: SEMCO**

**Rated as follows in accordance with AHRI Standard 1060-2012 for Air-to-Air Heat Exchangers for Energy Recovery Ventilation Equipment and subject to verification of rating accuracy by AHRI-sponsored, independent, third party testing:**

Product Type: Wheel Leaving Supply Air Flow (SCFM): 2000  
 Pressure Drop (inches): 0.45 Additional Notes:

Leakage Ratings	Pressure Differential	EATR(%)	OACF	Purge Angle/Setting
Test 1:	-0.50	2.50	0.95	1
Test 2:	0.00	1.20	1.07	1
Test 3:	0.50	0.80	1.11	1

**Thermal Effectiveness Ratings at 0" Pressure Differential**

	Sensible(%)	Latent(%)	Total(%)
100% Air Flow Heating	74	70	73
75% Air Flow Heating	76	74	75
100% Air Flow Cooling	73	71	72
75% Air Flow Cooling	76	75	75

	Net Sensible(%)	Net Latent(%)	Net Total(%)
100% Air Flow Heating	73	69	72
75% Air Flow Heating	75	73	75
100% Air Flow Cooling	72	70	71
75% Air Flow Cooling	75	74	75

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# Certificate of Product Ratings

**AHRI Certified Reference Number: 6955355**

Date: 12/22/2014

†Status: Active

**Product: Component Air-to-Air Energy Recovery Ventilator**

**Model Number: UWCH-46**

**Manufacturer: SEMCO LLC/FLAKT WOODS AB**

**Trade/Brand name: SEMCO**

**Rated as follows in accordance with AHRI Standard 1060-2012 for Air-to-Air Heat Exchangers for Energy Recovery Ventilation Equipment and subject to verification of rating accuracy by AHRI-sponsored, independent, third party testing:**

Product Type: Wheel Leaving Supply Air Flow (SCFM): 2500  
 Pressure Drop (inches): 0.45 Additional Notes:

Leakage Ratings	Pressure Differential	EATR(%)	OACF	Purge Angle/Setting
Test 1:	-0.50	2.50	0.96	1
Test 2:	0.00	1.20	1.06	1
Test 3:	0.50	0.80	1.10	1

**Thermal Effectiveness Ratings at 0" Pressure Differential**

	Sensible(%)	Latent(%)	Total(%)
100% Air Flow Heating	74	70	73
75% Air Flow Heating	76	74	75
100% Air Flow Cooling	73	71	72
75% Air Flow Cooling	76	75	75

	Net Sensible(%)	Net Latent(%)	Net Total(%)
100% Air Flow Heating	73	69	72
75% Air Flow Heating	75	73	75
100% Air Flow Cooling	72	70	71
75% Air Flow Cooling	75	74	75

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# Certificate of Product Ratings

**AHRI Certified Reference Number: 6955356**

Date: 12/22/2014

†Status: Active

**Product: Component Air-to-Air Energy Recovery Ventilator**

**Model Number: UWCH-52**

**Manufacturer: SEMCO LLC/FLAKT WOODS AB**

**Trade/Brand name: SEMCO**

**Rated as follows in accordance with AHRI Standard 1060-2012 for Air-to-Air Heat Exchangers for Energy Recovery Ventilation Equipment and subject to verification of rating accuracy by AHRI-sponsored, independent, third party testing:**

Product Type: Wheel Leaving Supply Air Flow (SCFM): 3500  
 Pressure Drop (inches): 0.44 Additional Notes:

Leakage Ratings	Pressure Differential	EATR(%)	OACF	Purge Angle/Setting
Test 1:	-0.50	2.50	0.96	1
Test 2:	0.00	1.20	1.04	1
Test 3:	0.50	0.80	1.08	1

**Thermal Effectiveness Ratings at 0" Pressure Differential**

	Sensible(%)	Latent(%)	Total(%)
100% Air Flow Heating	74	70	73
75% Air Flow Heating	76	74	75
100% Air Flow Cooling	74	71	72
75% Air Flow Cooling	76	75	75

	Net Sensible(%)	Net Latent(%)	Net Total(%)
100% Air Flow Heating	73	69	72
75% Air Flow Heating	75	73	75
100% Air Flow Cooling	73	70	71
75% Air Flow Cooling	75	74	75

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# Certificate of Product Ratings

**AHRI Certified Reference Number: 6955357**

Date: 12/22/2014

†Status: Active

**Product: Component Air-to-Air Energy Recovery Ventilator**

**Model Number: UWCH-58**

**Manufacturer: SEMCO LLC/FLAKT WOODS AB**

**Trade/Brand name: SEMCO**

**Rated as follows in accordance with AHRI Standard 1060-2012 for Air-to-Air Heat Exchangers for Energy Recovery Ventilation Equipment and subject to verification of rating accuracy by AHRI-sponsored, independent, third party testing:**

Product Type: Wheel Leaving Supply Air Flow (SCFM): 4500  
 Pressure Drop (inches): 0.44 Additional Notes:

Leakage Ratings	Pressure Differential	EATR(%)	OACF	Purge Angle/Setting
Test 1:	-0.50	2.50	0.96	1
Test 2:	0.00	1.20	1.03	1
Test 3:	0.50	0.80	1.06	1

**Thermal Effectiveness Ratings at 0" Pressure Differential**

	Sensible(%)	Latent(%)	Total(%)
100% Air Flow Heating	74	70	73
75% Air Flow Heating	76	74	75
100% Air Flow Cooling	74	71	72
75% Air Flow Cooling	76	75	75

	Net Sensible(%)	Net Latent(%)	Net Total(%)
100% Air Flow Heating	73	69	72
75% Air Flow Heating	75	73	75
100% Air Flow Cooling	73	70	71
75% Air Flow Cooling	75	74	75

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# Certificate of Product Ratings

**AHRI Certified Reference Number: 6955358**

Date: 12/22/2014

†Status: Active

**Product: Component Air-to-Air Energy Recovery Ventilator**

**Model Number: UWCH-64**

**Manufacturer: SEMCO LLC/FLAKT WOODS AB**

**Trade/Brand name: SEMCO**

**Rated as follows in accordance with AHRI Standard 1060-2012 for Air-to-Air Heat Exchangers for Energy Recovery Ventilation Equipment and subject to verification of rating accuracy by AHRI-sponsored, independent, third party testing:**

Product Type: Wheel Leaving Supply Air Flow (SCFM): 5350  
 Pressure Drop (inches): 0.44 Additional Notes:

Leakage Ratings	Pressure Differential	EATR(%)	OACF	Purge Angle/Setting
Test 1:	-0.50	2.50	0.96	1
Test 2:	0.00	1.20	1.03	1
Test 3:	0.50	0.80	1.05	1

**Thermal Effectiveness Ratings at 0" Pressure Differential**

	Sensible(%)	Latent(%)	Total(%)
100% Air Flow Heating	75	70	73
75% Air Flow Heating	76	74	75
100% Air Flow Cooling	75	71	73
75% Air Flow Cooling	76	76	76

	Net Sensible(%)	Net Latent(%)	Net Total(%)
100% Air Flow Heating	74	69	73
75% Air Flow Heating	75	73	75
100% Air Flow Cooling	74	70	72
75% Air Flow Cooling	75	75	75

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# Certificate of Product Ratings

**AHRI Certified Reference Number: 6955359**

Date: 12/22/2014

†Status: Active

**Product: Component Air-to-Air Energy Recovery Ventilator**

**Model Number: UWCH-68**

**Manufacturer: SEMCO LLC/FLAKT WOODS AB**

**Trade/Brand name: SEMCO**

**Rated as follows in accordance with AHRI Standard 1060-2012 for Air-to-Air Heat Exchangers for Energy Recovery Ventilation Equipment and subject to verification of rating accuracy by AHRI-sponsored, independent, third party testing:**

Product Type: Wheel Leaving Supply Air Flow (SCFM): 6250  
 Pressure Drop (inches): 0.44 Additional Notes:

Leakage Ratings	Pressure Differential	EATR(%)	OACF	Purge Angle/Setting
Test 1:	-0.50	2.50	0.96	1
Test 2:	0.00	1.20	1.03	1
Test 3:	0.50	0.80	1.04	1

**Thermal Effectiveness Ratings at 0" Pressure Differential**

	Sensible(%)	Latent(%)	Total(%)
100% Air Flow Heating	75	70	73
75% Air Flow Heating	76	74	75
100% Air Flow Cooling	75	71	73
75% Air Flow Cooling	76	76	76

	Net Sensible(%)	Net Latent(%)	Net Total(%)
100% Air Flow Heating	74	69	73
75% Air Flow Heating	75	73	75
100% Air Flow Cooling	74	70	72
75% Air Flow Cooling	75	75	75

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# Certificate of Product Ratings

**AHRI Certified Reference Number: 6955360**

Date: 12/22/2014

†Status: Active

**Product: Component Air-to-Air Energy Recovery Ventilator**

**Model Number: UWCH-74**

**Manufacturer: SEMCO LLC/FLAKT WOODS AB**

**Trade/Brand name: SEMCO**

**Rated as follows in accordance with AHRI Standard 1060-2012 for Air-to-Air Heat Exchangers for Energy Recovery Ventilation Equipment and subject to verification of rating accuracy by AHRI-sponsored, independent, third party testing:**

Product Type: Wheel Leaving Supply Air Flow (SCFM): 7400  
 Pressure Drop (inches): 0.43 Additional Notes:

Leakage Ratings	Pressure Differential	EATR(%)	OACF	Purge Angle/Setting
Test 1:	-0.50	2.50	0.96	1
Test 2:	0.00	1.20	1.02	1
Test 3:	0.50	0.80	1.04	1

**Thermal Effectiveness Ratings at 0" Pressure Differential**

	Sensible(%)	Latent(%)	Total(%)
100% Air Flow Heating	75	70	73
75% Air Flow Heating	76	74	75
100% Air Flow Cooling	75	71	73
75% Air Flow Cooling	76	76	76

	Net Sensible(%)	Net Latent(%)	Net Total(%)
100% Air Flow Heating	74	69	73
75% Air Flow Heating	75	73	75
100% Air Flow Cooling	74	70	72
75% Air Flow Cooling	75	75	75

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