



1135 LANCE ROAD - NORFOLK, VIRGINIA 23502-2429

a.k.a. Universal Air Precipitator Corporation
Quality Equipment and Service Since 1962

Form: CSTD-27

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TECHNICAL DATA SUMMARY (1)

**Commercial Standard Precipitators; 3-22.5 Ton
Model Series: C3 (In-Duct, Integral Spray Wash)**

3 Ton Through 8 Ton Units

SPECIFICATIONS	MODEL C3-12H1	MODEL C3-16H1	MODEL C3-20H1	MODEL C3-24H1	MODEL C3-30H1	MODEL C3-32H2
Air Flow Capacity at 90% Rated Efficiency (m3/m)	34.0	45.3	56.6	68.0	85.0	90.6
Rated Efficiency (cfm)	1200	1600	2000	2400	3000	3200
Air Conditioner Tons	3 Tons	4 Tons	5 Tons	6 Tons	7-1/2 Tons	8 Tons
Air Flow Resistance (wg)	0.10"	0.10"	0.10"	0.10"	0.10"	0.10"

Cabinet Dimensions:

W - width	29-9/16"	36-3/16"	44-7/16"	51-5/16"	65-3/4"	36-3/16"
X - Duct Opening	23-1/16"	32-11/16"	40-15/16"	47-13/16"	62-1/4"	32-11/16"
Y - Height	23"	23"	23"	23"	23"	41-1/2"
Z - Duct Height	15-7/8"	15-7/8"	15-7/8"	15-7/8"	15-7/8"	34-3/8"
Cell Removal Clearance	27"	20"	25"	27"	25"	20"
Approximate Shipping Weight	140 lbs.	175 lbs.	200 lbs.	225 lbs.	250 lbs.	300 lbs.
Power Pack, Quantity	1	1	1	1	1	2
Volts	115	115	115	115	115	115
Hertz	60	60	60	60	60	60
Watts (Per Pack)	30	40	45	50	45	25

Integral Wash System: (optional)

Water inlet	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"
Drain Flange, IPS	2"	2"	2"	2"	2"	2"
Water required at 40 PSI Per Tier (GPM)	11	14	20	22	29	14

10 Ton Through 22-1/2 Ton Units

SPECIFICATIONS	MODEL C3-40H2	MODEL C3-48H2	MODEL C3-60H2	MODEL C3-60H3	MODEL C3-72H3	MODEL C3-90H3
Air Flow Capacity at 90% Rated Efficiency (m3/m)	113.3	135.9	169.9	169.9	203.9	254.9
Rated Efficiency (cfm)	4000	4800	6000	6000	7200	9000
Air Conditioner Tons	10 Tons	12 Tons	15 Tons	15 Tons	18 Tons	22-1/2 Tons
Air Flow Resistance (wg)	0.10"	0.10"	0.10"	0.10"	0.10"	0.10"

Cabinet Dimensions:

W - width	44-7/16"	51-5/16"	65-3/4"	44-7/16"	51-5/16"	65-3/4"
X - Duct Opening	40-5/16"	47-13/16"	62-1/4"	40-5/16"	47-13/16"	62-1/4"
Y - Height	41-1/2"	41-1/2"	41-1/2"	60"	60"	60"
Z - Duct Height	34-3/8"	34-3/8"	34-3/8"	52-7/8"	52-7/8"	52-7/8"
Cell Removal Clearance	25"	27"	25"	25"	27"	25"
Approximate Shipping Weight	325 lbs.	350 lbs.	400 lbs.	450 lbs.	500 lbs.	600 lbs.
Power Pack, Quantity	2	2	2	3	3	3
Volts	115	115	115	115	115	115
Hertz	60	60	60	60	60	60
Watts (Per Pack)	45	50	25	45	50	45

Integral Wash Systems: (optional)

Water inlet	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"
Drain Flange, IPS	2"	2"	2"	2"	2"	2"
Water required at 40 PSI Per Tier (GPM)	20	22	29	20	22	29

(1) UAPC is committed to on-going improvement. Dimensions & specifications are subject to change without prior notification.



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Non-standard Designs Available Upon Request: (Contact factory for Custom Engineered Products)

Commercial Precipitators: 9-40 Ton; Design & Build Models						
Model Series: C3 (In-Duct, Integral Spray Wash)						
9 Ton Through 27 Ton Units						
SPECIFICATIONS	MODEL C3-36H1	MODEL C3-40H1	MODEL C3-80H2	MODEL C3-80H4	MODEL C3-96H4	MODEL C3-108H3
Air Flow Capacity at 90% Rated Efficiency (cfm)	3600	4000	8000	8000	9600	10,800
Rated Efficiency (m3/m)	101.9	113.3	226.5	226.5	271.8	305.8
Air Conditioner Tons	9	10	20	20	24	27
Air Flow Resistance (wg)	0.10"	0.10"	0.10"	0.10"	0.10"	0.10"
Cabinet Dimensions: (Inches)						
W - width	76-1/16	87	87	44-7/16	51-5/16	76-1/16
X - Duct Opening	72-9/16	83-5/8	83-5/8	40-15/16	47-13/16	72-9/16
Y - Height	23	23	41-1/2	78-1/2	78-1/2	60
Z - Duct Height	15-7/8	15-7/8	34-3/8	71-3/8	71-3/8	52-7/8
Cell Removal Clearance	27	25	25	25	27	27
Approximate Shipping Weight	325	350	610	650	735	805
Power Pack, Quantity	1	1	2	4	4	3
Volts	115	115	115	115	115	115
Hertz	60	60	60	60	60	60
Watts (Per Pack)	95	95	95	45	50	95
Integral Wash System: (optional)						
Water inlet	3/4"	1"	1"	3/4"	3/4"	1"
Drain Flange, IPS	2"	2"	2"	2"	2"	2"
Water req. at 40 PSI Per Tier (GPM)	33	39	39	20	22	33
24 Ton Through 40 Ton Units						
SPECIFICATIONS	MODEL C3-96H4	MODEL C3-108H3	MODEL C3-120H3	MODEL C3-120H4	MODEL C3-144H4	MODEL C3-160H4
Air Flow Capacity at 90% Rated Efficiency (cfm)	9600	10,800	12,000	12,000	14,400	16,000
Rated Efficiency (m3/m)	271.8	305.8	339.8	339.8	407.8	453.1
Air Conditioner Tons	24	27	30	30	36	40
Air Flow Resistance (wg)	0.10"	0.10"	0.10"	0.10"	0.10"	0.10"
Cabinet Dimensions: (Inches)						
W - width	51-5/16	76-1/16	87	65-3/4	76-1/16	87
X - Duct Opening	47-13/16	72-9/16	83-5/8	62-1/4	72-9/16	83-5/8
Y - Height	78-1/2	60	60	78-1/2	78-1/2	78-1/2
Z - Duct Height	71-3/8	52-7/8	52-7/8	71-3/8	71-3/8	71-3/8
Cell Removal Clearance	27	27	25	25	27	25
Approximate Shipping Weight	735	805	875	810	1055	1140
Power Pack, Quantity	4	3	3	4	4	4
Volts	115	115	115	115	115	115
Hertz	60	60	60	60	60	60
Watts (Per Pack)	50	95	95	45	95	95
Integral Wash Systems: (optional)						
Water inlet	3/4"	3/4"	1"	3/4"	3/4"	1"
Drain Flange, IPS	2"	2"	2"	2"	2"	2"
Water req. at 40 PSI Per Tier (GPM)	22	33	39	29	33	39

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