



1135 LANCE ROAD - NORFOLK, VIRGINIA 23502-2429  
 a.k.a. Universal Air Precipitator Corporation  
 Quality Equipment and Service Since 1962

Form: iBTD-27

PHONE: 757-461-0077

FAX: 757-461-0808

Email: [info@uapc.com](mailto:info@uapc.com)

[www.uapc.com](http://www.uapc.com)

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**TECHNICAL DATA SUMMARY (1)**

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

<b>Industrial Precipitators: 9-40 Ton; Design &amp; Build Models</b>						
<b>Model Series: i3 (In-Duct, Integral Spray Wash)</b>						
<b>9 Ton Through 27 Ton Units</b>						
<b>SPECIFICATIONS</b>	<b>MODEL i3-36H1</b>	<b>MODEL i3-40H1</b>	<b>MODEL i3-80H2</b>	<b>MODEL i3-80H4</b>	<b>MODEL i3-96H4</b>	<b>MODEL i3-108H3</b>
Air Flow Capacity at 90% Rated Efficiency (cfm)	3600	4000	8000	8000	9600	10,800
Rated Efficiency (m3/m)	101.9	113.2	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"
<b>Cabinet Dimensions: (Inches)</b>						
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
<b>Integral Wash System: (optional)</b>						
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
<b>24 Ton Through 40 Ton Units</b>						
<b>SPECIFICATIONS</b>	<b>MODEL i3-96H4</b>	<b>MODEL i3-108H3</b>	<b>MODEL i3-120H3</b>	<b>MODEL i3-120H4</b>	<b>MODEL i3-144H4</b>	<b>MODEL i3-160H4</b>
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"
<b>Cabinet Dimensions: (Inches)</b>						
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
<b>Integral Wash Systems: (optional)</b>						
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

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