

**MACHFLOW  
STEEL WHITE EPOXY FINISH**

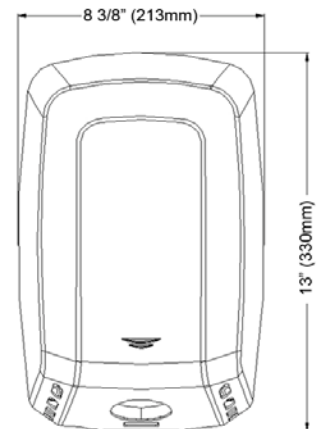
Code: **M09A-UL**

**General Description**

- Warm air hand dryer.
- Universal voltage
- Maximum robustness and vandal-proof.
- Suitable for very high traffic facilities.
- Normally goes along with a soap dispenser.

**Components & Materials**

- Steel one-piece cover white epoxy finish, 1/16" thick. Cover fixed to the base by means of 2 vandal-proof lock screws.
- Fire resistant UL V0 plastic base, with 4 Ø 7/32" holes for wall mounting. It includes silent-blocks to damp mechanical vibrations.
- Fire resistant plastic UL V0 fan scroll.
- High pressure Universal brush motor, 18000-26000 rpm, A class. RPM may be adjusted manually by means of a potentiometer. The motor includes a 60 seconds vandal thermal cut-off.
- 250 Watt waved wire Ni-Cr heating element that incorporates a self-resettable thermal cut-off at 180 °F, after 60 seconds of continuous use.
- Internal UL plastic housing components to be flame retardant type.
- Automatic disconnection system after 60 seconds of continuous use.
- Fully adjustable (2" – 8") IR electronic detection sensor by means of a potentiometer.
- Sensors come with a vandal-resistant polycarbonate viewing window.



Dim ± 4%

**Technical Specifications**

Voltage	100-120 V, 208 V, 220-240 V	Total power	450 -1300 W
Frequency	50/60 Hz	Motor power	400-1050 W
Electrical isolation	Class I (Ground required)	Heating element power	250 W
Dimensions	8-3/8" x 13" x 6-11/16"	RPM	18000-26000 (adjustable)
Weight	10.4 Lbs.	Power Consumption	6.4-10 A (120 V) 6-9 A (220 V)
Drying time	10-15 sec	Nominal airflow	76-116 CFM
Air temperature (at 4" distance / 70 °F)	107.6 °F	Effective airflow	68-108 CFM
Air speed	11.800- 18.000 LFM	Noise level	68-75 dB
Protection level	IP23		

**Operation**

Place the hands under the air outflow valve. The dryer will start automatically, and go on with no interruption as long as the hands are kept in the detection range of the sensor. The appliance will stop 2 seconds after the hands are removed from the airflow.

**Installation**

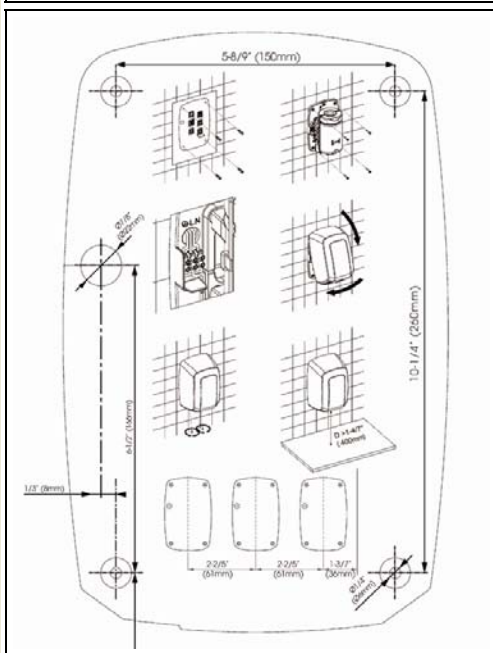
Please refer to [Back](#)

**Certificates & Qualifications**

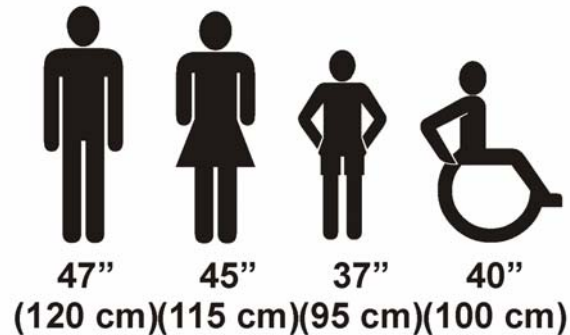
UL according to UL499 13th edition and CSA according to CSA C22.2 number 36 – 7<sup>th</sup> edition.

## MOUNTING

## RECOMMENDED HEIGHTS DISTANCE FROM THE FLOOR



H = Distancia al suelo  
H = Distance from floor  
H = Hauteur par rapport au sol  
H = Abstand vom Boden



### Nº dryers to be fitted

In toilet areas with a normal frequency of use and only one wash-basin: 1 dryer.

In toilet areas with a normal frequency of use and more than one wash-basin: 1 dryer for each 2 wash-basins.

1 row of 4 wash basins: 2 dryers; 1 row of 6 wash basins: 3 dryers; 1 row of 8 wash basins: 4 dryers.

In toilet areas with high traffic and more than one wash-basin: 2 dryers for each 3 wash-basins.

1 row of 4 wash basins: 3 dryers; 1 row of 6 wash basins: 4 dryers; 1 row of 8 wash basins: 5 dryers.

### Ideal location

Between the wash-basin and exit. It is not recommended to install dryer between wash-basins, next to urinals, lavatories and showers. If installing automatic dryers over marble surface or ledge, the minimum distance from the dryer to the ledge must be 400 mm. It is recommended that hand dryers be distributed throughout the washroom area to avoid overcrowding.

### Specification

Surface mounted vandal resistant hand dryer shall be manufactured with one-piece high quality 1/16" thick steel cover, white epoxy finish and fixed to the base by means of 2 lock screws. The dryer should be a universal voltage unit. The back base shall be fire resistant UL V0 plastic base and with 4 holes Ø 7/32" for wall mounting, including silent-blocks to damp mechanical vibrations. The dryer shall be activated through an infrared electronic sensor and shall automatically turn off two second after hands are removed. Sensor shall have a vandal-resistant polycarbonate viewing window and the detection distance can be regulated from 2" to 8". High pressure Universal brush motor should be 18000-26000 rpm, A class. The RPM could be adjusted manually by means of a potentiometer. The motor includes a safety thermal cut-off. The Waved wire NiCr heating element should incorporate a self-resettable thermal cut-off which will disconnect at 180 °F. The hand dryer should have an aluminium asymmetrical double inlet fan wheel, and the fan scroll shall be made of a fire resistant plastic UL V0. Airflow could be adjusted from 68-108 CFM with an air temperature of 107.6 °F at 4" distance. Air speed from 11800 to 18000 LFM during user controlled drying cycle. The dryer shall have a total power from 450 to 1300 watts, with a heating element power of 250 Watts. Consumption from 6.4 to 10 Amps (120 V) and from 2.0 to 5.6 Amps (220 V). Noise level should be 68-75 dB. Protection level against water splashes should be rating IP23. Overall dimensions shall be 8-3/8" x 13" x 6-11/16". Unit shall be UL and CSA approved, according to UL 499 and CSA C22.2 standards.

Surface mounted hand dryer shall be Model M09A-UL sensor operated, steel white epoxy finish, manufactured by Saniflow Corporation, 12800 N.M. 38<sup>th</sup> Avenue, Miami, FL. 33054-4525.

Mediclinics, S.A., reserves the right to make changes and/or modifications to the products and their specifications without prior notice.

Revision 09-2011

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