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ECRA/ESA Licence # 7003195

UTILITIES & SITE SERVICES LTD.

Enterprise Car Rental Ottawa, Ont

ELECTRICAL SHOP DRAWINGS

General Contractor:	Tal-Co Building Innovations
Electrical Contractor:	JWK Utilities & Site Services Ltd.
Supplier / Distributor:	Daltco Electric

Part Number	Description
HU02N	Dyson Airblade HD
6538ONT-G5	Edwards Call for assistance kit
OAC04008BL-T	Fan forced Wall Heater

Reviewed	()
Reviewed as noted	() ←
Revise and resubmit	()
Not reviewed	()
Date:	2020 Mar. 16
Reviewed by:	MH

This review by J.C.F.A.Inc. is for the sole purpose of ascertaining conformance with the general design concept for architectural features only, and does not in any way constitute review of the design of engineering elements which form part of the contract documents prepared by others. This review shall not mean that J.C.F.A.Inc. approves the detailed design inherent in the shop drawings, responsibility for which shall remain with the Contractor submitting same, and such review shall not relieve the Contractor of the responsibility for errors or omissions in the shop drawings or of the responsibility for meeting all requirements of the contract documents. The Contractor is responsible for dimensions to be confirmed and correlated at the job site, for information that pertains solely to fabrication processes or to techniques of construction and installation, and for coordination of the work of all trades.

Jason C. Flynn Arcitect Inc. (J.C.F.A.Inc.)

REVIEWED

By Sandra at 9:20 am, Mar 12, 2020

REVIEWED

By Pat Newton at 10:12 am, Mar 12, 2020

To: Attn:	From:		
Project Name:	This is (Check One)		
Owner:	<input type="checkbox"/>	An Original Submittal	
Engineer:	<input type="checkbox"/>	A Resubmittal	
	No. Pages	(incl. cover)	

Equipment Designation/Type	Submittal Description

Comments:

Daltco Electric Representative _____

93 HINES ROAD KANATA, ONTARIO, K2K 2M5 • WWW.DALTCO.COM
 PHONE: (613) 592-5511 • FAX: (613) 592-5645 • TOLL FREE: 1-800-267-5876 • kanata@daltco.com

KANATA



LOW VOLTAGE AND HIGH VOLTAGE TECHNICAL SPECIFICATION

Electrical

Input voltage: Low voltage = 110-127 V, High voltage = 200-240 V
 Frequency: 50 or 60 Hz, subject to voltage (85-115 V at 50 Hz); (85-130 V at 60 Hz); (200-240 V at 50 & 60 Hz)
 Standby power consumption: Less than 0.5 W
 Motor specification: 1,000 W digital brushless motor
 Motor switching rate: 5,000 per second
 Amp: Recommended dedicated 15 amp circuit. (110V ~10A; 120V ~8.33A; 220V ~4.55A; 240V ~4.17A)
 Heater type: None

Construction

Fascia: Polycarbonate
 Antibacterial coating type:
 HU02 (Sprayed Nickel) contains antibacterial additive in paint.
 HU02 (White) contains antibacterial moulded additive.
 Can help prevent the growth of bacteria.
 Back plate mounting bracket: ABS/PBT Plastic
 Exterior screw type: Anti-tamper 4 mm Pin-Hex
 Water ingress protection to IP24

Filter

HEPA filter (Glass fiber and fleece prelayer)
 Removes 99.97% of bacteria as small as 0.3 microns

Operation

Touch free capacitive sensor activation
 Hand dry time measurement: 12 seconds
 (Measurement based on NSF Protocol P.335)
 Sound power level: 79 dB(A)
 Sound pressure level @ 2 m: 63 dB(A)¹
 Operation lock-out period: 30 seconds
 Airspeed at aperture: 675 km/h / 420 mph
 Maximum altitude: 2,000 metres / 6,561 ft.
 Operating airflow: up to 5.28 gal/sec & up to 42.38 CFM
 Operating temperature range: 0°C-40°C / 32°F-104°F

Logistics

Single unit order code:
 Sprayed Nickel - Low voltage: 307174-01, High voltage: 307172-01
 White - Low voltage: 307173-01, High voltage: 307171-01
 Unit barcodes:
 Sprayed Nickel - Low voltage: 885609009933, High voltage: 885609009797
 White - Low voltage: 885609009896, High voltage: 885609009179
 Net weight: 2.9 kg / 6.17 lbs
 Packaged weight: 4.0 kg / 8.81 lbs
 Packaged dimensions:
 (H) 146 mm × (W) 454 mm × (D) 273 mm / (H) 5 3/4" × (W) 17 7/8" × (D) 10 3/4"

Standard warranty

5 year parts and 5 year limited labor warranty

Accreditations:

Carbon Trust
 NSF International
 Quiet Mark
 Contributes to LEED certification
 ADA compliant
 UL Listed

¹Sound pressure measured at 2 m distance, in a semi-anechoic chamber.



Product range (Select one)

HU02 Sprayed Nickel

Part number/SKU

Low Voltage: 307174-01
 High Voltage: 307172-01



HU02 White

Part number/SKU

Low Voltage: 307173-01
 High Voltage: 307171-01



- NO COMMENT
- COMMENT AS NOTED
- REJECTED
- REVISE AND RESUBMIT
- SUBMIT SPECIFIED PRODUCT

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ANTARES ENGINEERING GROUP INC.

DATE 26-03-2020 PERS S.S.



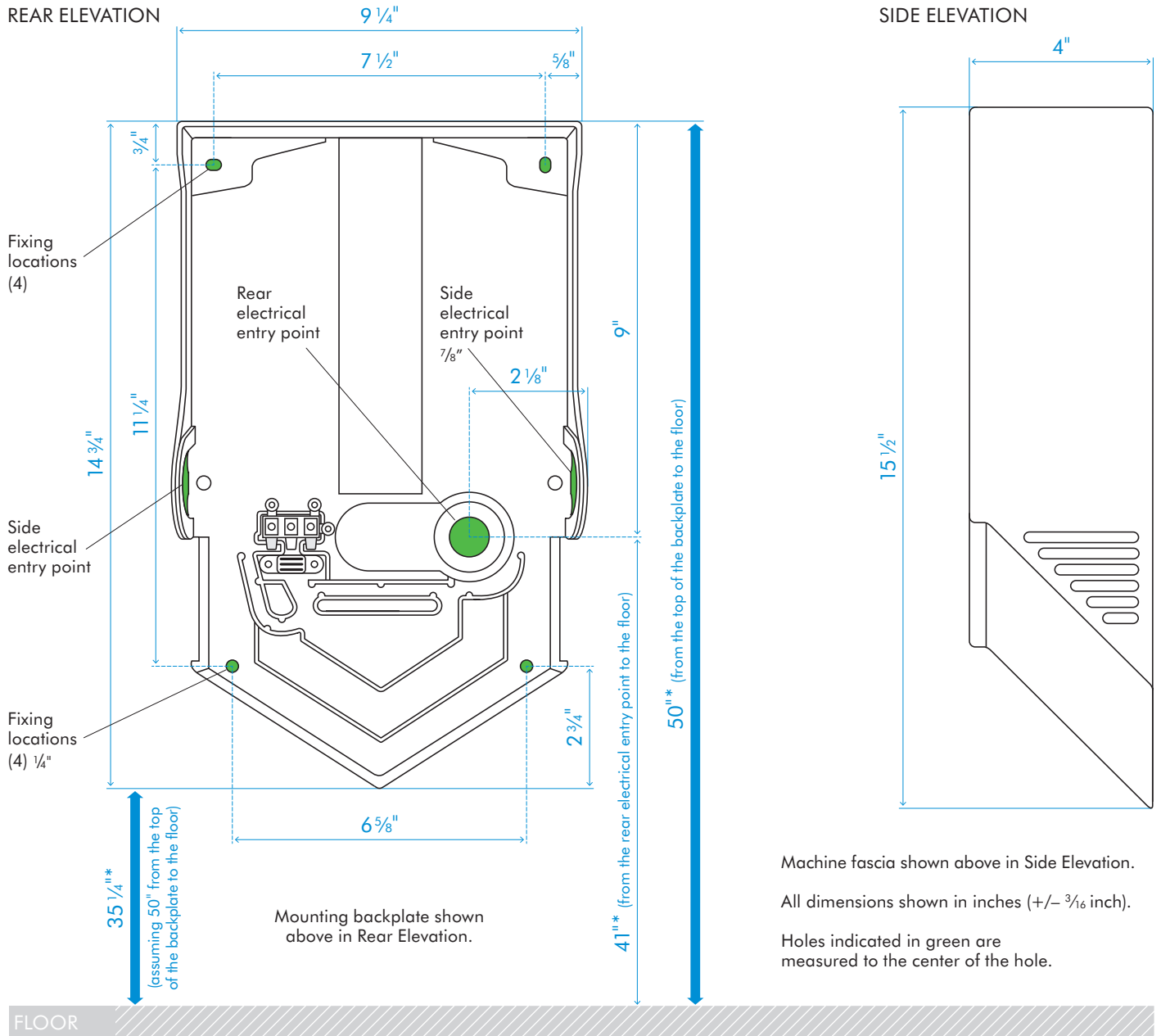
The Carbon label is a trademark of the Carbon Trust. The NSF logo is the registered trademark of NSF International. Quiet Mark is a registered trademark of the Noise Abatement Society.

For further information, please contact Dyson: 1-855-720-6169, www.dyson.com/airblade

TECHNICAL SPECIFICATION



HU
O2



Machine dimensions
Height 15 1/2" Width 9 7/32" Depth 4"
Minimum clearance
8 11/16" clearance either side and 1 3/16" above machine.

*Please look into local guidelines for ADA compliance.
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For further information, please contact Dyson: 1-855-720-6169,
www.dyson.com/airblade

Call for Assistance

Overview

The 6538ONT-G5 is a Call for Assistance kit designed to meet the latest Ontario Building Code requirements for universal washrooms. The kit includes a maintained mushroom push button, two audio/visual signals, and "IN THE EVENT OF AN EMERGENCY" sign and a 120/24VAC transformer. When pushed, the mushroom button latches and activates both audio/visual signals. The signals remain active until the mushroom button is released through a turn to reset motion. One signal is to be mounted inside the washroom providing confirmation that a call for assistance had been placed. The second signal is to be mounted outside the washroom providing annunciation of an emergency condition. The push button provides one normally open contact used to activate the signals. A second normally closed contact is available for interface to auxiliary equipment such as door control systems.

Applications

The 6538ONT-G5 kit is an ideal solution for universal washrooms and is designed to meet the requirements of OBC 2012.

Kit Components

- **6536-G5 Audible/Visual Signal (two provided)**
 - 82dBA sound pressure at 10 feet
 - 50 candela strobe light
 - Single gang box mount
- **SS-2001E Emergency Push Button**
 - Maintained mushroom push button with turn to reset action
 - Unique design helps prevent accidental activation
 - Extra deep one gang box mount, switch requires 2 1/4" clearance

- one normally open contact for signal activation
- one normally closed contact available for interface to auxiliary equipment
- contacts rated at 6A at 600VAC, 1A at 250Vdc
- **SUB-102722-R Spacer**
 - Spacer allows mounting of SS-2001E on standard one gang box, adds 5/8" depth
- **SIGN-EMERG-PUSH Emergency Sign**
 - 14" x 8" x 1/16" thick lexan sign
 - Reverse screened 1" high white lettering on red background
 - Mounting holes provided, use suitable fasteners (supplied by others)
- **592 Transformer**
 - 120/24VAC transformer
 - Powers two 6536-G5 signals

Standard Features

- **Complete kit designed to meet Ontario Regulation 368/13 amendment to 2012 OBC for universal washrooms**
- **Includes two audible/visual signals, emergency push button, "IN THE EVENT OF AN EMERGENCY" sign and CSA transformer**
- **Provides audible/visual signal confirmation that a call for assistance has been placed**
- **Provides audible/visual annunciation of an emergency condition**
- **24VAC operation, transformer provided**

Order Information

Cat. No.	Description
6538ONT-G5	Call for assistance kit, 2012 OBC compliant

NO COMMENT COMMENT AS NOTED
 REJECTED REVISE AND RESUBMIT
 SUBMIT SPECIFIED PRODUCT

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Call for Assistance Kit

OAC Commercial Wall Fan Heater



With surface mounting box Recessed



Features

Color

- Standard: white, almond.
- Optional (upcharge applicable): metallic silver, bronze, metallic charcoal, aluminum, semi-gloss black, sand.
- Custom colors available upon request.

Finish

- Standard: epoxy/polyester powder paint.

Voltage

- 120V, 208V, 240/208V, 277V, 347V, 480V, 600V, 1 or 3-phase.

Construction

- 18-gauge steel front cover. 1
- Bottom air outlet.
- High-limit temperature control with automatic reset.

Fan

- Closed, factory-lubricated motor. 2
- 160 cfm fan (single unit: 55 dBA); 2 X 160 cfm fan (double unit: 58 dBA); 3 X 160 cfm fan (triple unit: 61 dBA).
- Fan delay purges heater of residual heat.

Heating element

- Durable tubular heating element with fins. 3

Control

- Built-in thermostat included with control knob or tamperproof. 4
- 24V relay, with or without transformer available.

Note: Thermostat is not included in heater with factory installed relay. Any remote thermostat or relay must be connected to the heater control terminal block.

Installation

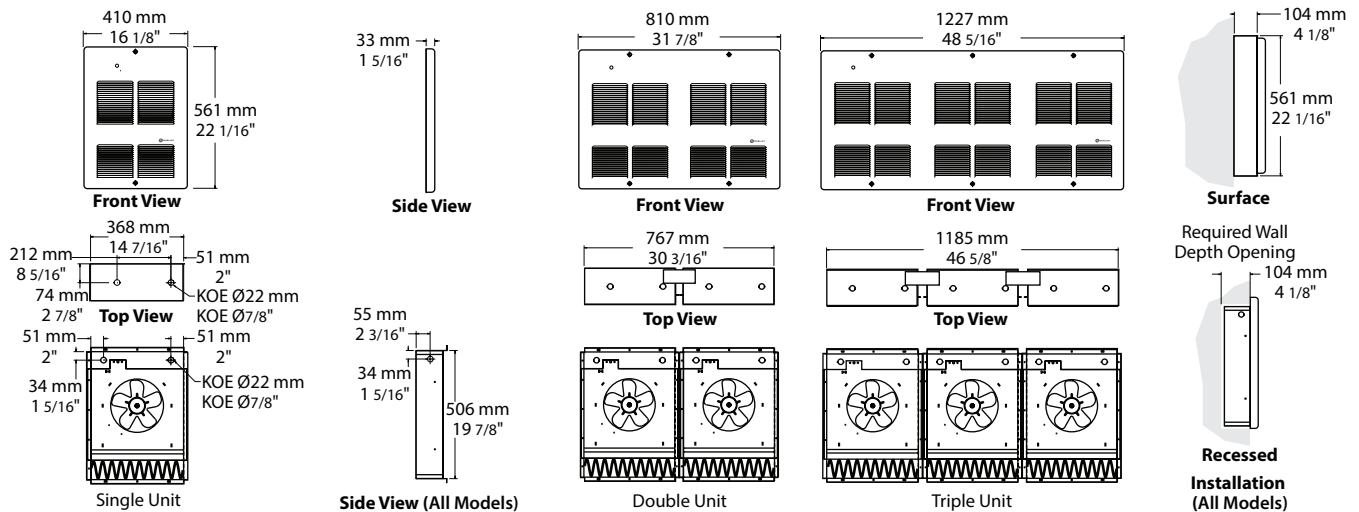
- Minimum clearance from the floor and adjacent walls: 10 in. (25.4 cm).
- Adaptor for surface mounting available. 5

Warranty

- 3-year warranty against defects.

Application

- Apartment building, commercial building, entrance way, stairwell, garage.



OAC Models

Watts	Volts (ph)	Product # ¹	Price	Unit	Weight	
					lb	kg
1500	120 (1)	OAC01502-T	556.00	single	24.0	10.9
2000	208 (1)	OAC02008-T	642.00	single	24.0	10.9
4000	208 (1)	OAC04008-T	642.00	single	24.0	10.9
4000	208 (3)	OAC04038-T	768.00	single	26.0	12.0
4800	208 (1)	OAC04808-T	676.00	single	24.0	10.9
5000	208 (3)	OAC05038-T	903.00	single	26.0	12.0
6000	208 (3)	OAC06038-T	1485.00	double	54.0	24.5
8000	208 (1)	OAC08008-T	1529.00	double	50.0	22.7
9000	208 (3)	OAC09038-T	1914.00	triple	90.0	40.9
12000	208 (1)	OAC12008-T	2317.00	triple	90.0	40.9
12000	208 (3)	OAC12038-T	2317.00	triple	90.0	40.9
1500/1125 ²	240/208 (1)	OAC01500-T	556.00	single	24.0	10.9
2000/1500 ²	240/208 (1)	OAC02000-T	556.00	single	24.0	10.9
3000/2250 ²	240/208 (1)	OAC03000-T	573.00	single	24.0	10.9
3000/2250 ²	240/208 (3)	OAC03030-T	659.00	single	26.0	12.0
4000/3000 ²	240/208 (1)	OAC04000-T	608.00	single	24.0	10.9
4000/3000 ²	240/208 (3)	OAC04030-T	700.00	single	26.0	12.0
4800/3600 ²	240/208 (1)	OAC04800-T	643.00	single	24.0	10.9
5000/3750 ²	240/208 (3)	OAC05030-T	869.00	single	26.0	12.0
6000/4500 ²	240/208 (1)	OAC06000-T	1351.00	double	50.0	22.7
8000/6000 ²	240/208 (1)	OAC08000-T	1448.00	double	50.0	22.7
12000/9000 ²	240/208 (1)	OAC12000-T	2245.00	triple	90.0	40.9
1500	347 (1)	OAC01507-T	801.00	single	28.0	12.7
2000	347 (1)	OAC02007-T	801.00	single	28.0	12.7
3000	347 (1)	OAC03007-T	828.00	single	28.0	12.7
4000	347 (1)	OAC04007-T	855.00	single	28.0	12.7
4800	347 (1)	OAC04807-T	902.00	single	28.0	12.7
6000	347 (1)	OAC06007-T	1765.00	double	55.0	25.0
8000	347 (1)	OAC08007-T	2030.00	double	55.0	25.0
12000	347 (1)	OAC12007-T	2919.00	triple	90.0	40.9

Watts	Volts (ph)	Product # ¹	Price	Unit	Weight	
					lb	kg
1500	480 (1)	OAC01504-T	840.00	single	28.0	12.7
2000	480 (1)	OAC02004-T	840.00	single	28.0	12.7
3000	480 (1)	OAC03004-T	865.00	single	28.0	12.7
3000	480 (3)	OAC03034-T	995.00	single	30.0	14.0
4000	480 (1)	OAC04004-T	894.00	single	28.0	12.7
4000	480 (3)	OAC04034-T	1029.00	single	30.0	14.0
4800	480 (1)	OAC04804-T	943.00	single	28.0	12.7
5000	480 (3)	OAC05034-T	1275.00	single	30.0	14.0
6000	480 (1)	OAC06004-T	1767.00	double	55.0	25.0
8000	480 (1)	OAC08004-T	2030.00	double	55.0	25.0
12000	480 (1)	OAC12004-T	2919.00	triple	90.0	40.9
12000	480 (3)	OAC12034-T	2919.00	triple	90.0	40.9
1500	600 (1)	OAC01506-T	840.00	single	28.0	12.7
2000	600 (1)	OAC02006-T	840.00	single	28.0	12.7
3000	600 (1)	OAC03006-T	865.00	single	28.0	12.7
3000	600 (3)	OAC03036-T	995.00	single	30.0	14.0
4000	600 (1)	OAC04006-T	894.00	single	28.0	12.7
4000	600 (3)	OAC04036-T	1029.00	single	30.0	14.0
4800	600 (1)	OAC04806-T	943.00	single	28.0	12.7
5000	600 (3)	OAC05036-T	1275.00	single	30.0	14.0
6000	600 (1)	OAC06006-T	1767.00	double	55.0	25.0
6000	600 (3)	OAC06036-T	1869.00	double	58.0	26.3
8000	600 (1)	OAC08006-T	2030.00	double	55.0	25.0
9000	600 (3)	OAC09036-T	2410.00	triple	90.0	40.9
12000	600 (1)	OAC12006-T	2919.00	triple	90.0	40.9
12000	600 (3)	OAC12036-T	2919.00	triple	90.0	40.9

Options

Product # Kit	Product # Factory installed*	Price	Description
KIT-OAC-BS1	-	64.00	Surface mounting box, single unit
KIT-OAC-BS2	-	128.00	Surface mounting box, double unit
KIT-OAC-BS3	-	187.00	Surface mounting box, triple unit
KIT-OAC-DIS20 ³	DIS20 ³	123.00	Disconnect switch, double-pole, 20A at 277V and less
KIT-OAC-DIS40 ³	DIS40 ³	144.00	Disconnect switch, triple-pole, 40A at 600V max.
KIT-OAC-DIS80 ³	DIS80 ³	174.00	Disconnect switch, triple-pole, 80A at 600V max.
-	IV	123.00	Fan switch
-	OO	127.00	On/Standby heating switch
-	R ⁴	130.00	24V control relay, without transformer
-	RT ⁴	137.00	24V control relay with transformer

* For factory installed options, add the option number to the product number. See the **Product Code** section inside the front cover.

¹ Built-in thermostat included with control knob or tamperproof.

² 208V = 75% of wattage at 240V.

³ For the U.S. only: The nominal current of the unit must not exceed 80% of the capacity of the disconnect.

⁴ If the built-in thermostat is not required with the 24V control relay, remove the "-T" from the product number (E.g.: OAC04006-RT).

Add "BL" for white, "AM" for almond. Upcharge available for optional colors shown in the color chart section.

277V available upon request.

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