LEED FOR BUILDING OPERATIONS AND MAINTENANCE (LEED O+M) v4
DOCUMENTATION LETTER FOR UNITED STATES OF AMERICA

RE: LEED Documentation of Dyson Airblade™ Wash+Dry Hand Dryer WD04/WD05/WD06

September 20, 2018

To Whom it May Concern,

This documentation letter is to be used when pursuing LEED certification with the U.S. Green Building Council (USGBC), when the team chooses LEED v4 O+M. The information can be utilized on the following project types: LEED O+M: Existing Buildings, LEED O+M: Data Centers, LEED O+M: Warehouses & Distribution Centers, LEED O+M: Hospitality, LEED O+M: Schools, LEED O+M: Retail

We are pleased to confirm that the Dyson Airblade™ Wash+Dry Hand Dryer WD04/WD05/WD06 can aid in the achievement of the following LEED® credits:

**WEp2 Indoor Water Use Reduction**
Applicable to this prerequisite when used in a public lavatory with the 0.5 gallon/minute aerator. Please see Technical Specification for additional water flow rate information.

**WEc2 Indoor Water Use Reduction**
Applicable to this credit when used in a public lavatory with the 0.5 gallon/minute aerator. Please see Technical Specification for additional water flow rate information.

**EAp1 Energy Efficient Best Management Practices**
Can be applicable to this prerequisite as it is considered a process load. Although the focus of this credit is on major operating systems, process loads like this fixture can be included at the team’s discretion.

**EAp2 Minimum Energy Performance**
Applicable to this prerequisite as it is considered a process load. Please see Technical Specification for electrical information.

**EAc1 Existing Building Commissioning: Analysis**
Applicable to this credit as it is considered a process load.
Please see Technical Specification for electrical information.

Disclaimer:
The use of this product can contribute to achieving points in the categories listed above; however, specifying this product does not guarantee point achievement or LEED® certification of a project.

The information provided on this letter is believed to be accurate as of the date noted. However, EcoAmmo Sustainable Consulting Inc. (EA) makes no warranty either expressed or implied, concerning the accuracy or completeness of this information. Any information that changes after the evaluation date is the responsibility of the manufacturer / supplier to inform EA and request an updated LEED® Compatibility Chart.

For further information please contact Dyson.
1-888-397-6622
www.dyson.com
airbladeinfo@dyson.com

The fastest, most hygienic hand dryer.
Thank you,
Dyson Inc.

Signature of Signing Authority

Title of Signing Authority

This LEED® compliance letter was created with the assistance of EcoAmmo Sustainable Consulting Inc. Visit www.ecoammo.com for more information.

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The fastest, most hygienic hand dryer.
# LEED FOR BUILDING OPERATIONS AND MAINTENANCE (LEED O+M) v4 COMPATIBILITY CHART FOR UNITED STATES OF AMERICA

**Date of Evaluation:** September 2018  
**Review of Dyson Airblade™ Wash+Dry Hand Dryer WD04/WD05/WD06**  
**Product Type:** Lavatory Faucet & Hand Dryer  
**Master Format Code:** 22.42.46

## Product Evaluation:

The information provided on this chart is applicable throughout the United States. The product data has been evaluated and verified as of the date listed above by an independent third party, EcoAmmo Sustainable Consulting Inc.  
www.ecoammo.com

## LEED Rating System

This compatibility chart is to be used when pursuing LEED certification with the U.S. Green Building Council (USGBC), when the team chooses LEED v4 O+M. The information can be utilized on the following project types:

| LEED O+M: Existing Buildings | LEED O+M: Hospitality |
| LEED O+M: Data Centers | LEED O+M: Schools |
| LEED O+M: Warehouses & Distribution Centers | LEED O+M: Retail |

## Credit Name | Product Compatibility | Notes
<table>
<thead>
<tr>
<th></th>
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<tbody>
<tr>
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<td></td>
</tr>
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<td><strong>EAc2 Existing Building Commissioning: Implementation</strong></td>
<td>Applicable to this credit as it is considered a process load. Please see Technical Specification for electrical information.</td>
<td></td>
</tr>
<tr>
<td><strong>EAc3 Ongoing commissioning</strong></td>
<td>Applicable to this credit as it is considered a process load and therefore should be included in the responsibilities portion of the commissioning plan for maintenance and testing. Please see technical data sheet for electrical information.</td>
<td></td>
</tr>
<tr>
<td><strong>EAc4 Optimize Energy Performance</strong></td>
<td>Applicable to this credit as it is considered a process load. Please see Technical Specification for electrical information.</td>
<td></td>
</tr>
<tr>
<td><strong>MRc4 Solid Waste Management Ongoing</strong></td>
<td>At the end of its life, almost every component of the Dyson Airblade™ Wash+Dry WD04/WD05/WD06 is recyclable, 87% by weight. Only a few minor thermostet plastic and rubber components cannot be recycled. Please see the technical data sheet for the applicable weights and measurements required for the credit.</td>
<td></td>
</tr>
</tbody>
</table>

## Accreditations

- **Carbon Trust**
- **HACCP International**
- **Quiet Mark**

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For further information please contact Dyson.  
1-888-397-6622  
www.dyson.com  
airbladeinfo@dyson.com
TECHNICAL SPECIFICATION

FDLQF

FRONT ELEVATION

SIDE ELEVATION

Tap dimensions
WD04: Height 6 ½" (159mm), Width 11 15/16" (303mm), Depth 11 1/4" (286mm)

Motor bucket dimensions
WD04: Height 10 7/16" (266mm), Width 5 9/16" (142mm), Depth 7 7/16" (189mm)

Minimum clearance
Z. 4" (100mm) clearance from floor. ADA requires 9" (228mm) toe clearance.
TECHNICAL SPECIFICATION

FLOOR

**Tap dimensions**

WD05: Height 12 3/4" (329mm), Width 11 5/8" (303mm), Depth 11 3/16" (286mm)

**Motor bucket dimensions**

WD05: Height 10 7/16" (266mm), Width 5 9/16" (142mm), Depth 7 7/16" (189mm)

Minimum clearance

Z: 4" (100mm) clearance from floor. ADA requires 9" (228mm) toe clearance.
**TECHNICAL SPECIFICATION**

**SIDE ELEVATION**

- **Fixing locations** (4)
  - 3/16" (5mm) diameter hole

- **Water entry point**

- **Cable entry point**

**FRONT ELEVATION**

- **Distance from the aerator to the end of the tap**
  - 2 3/4" (60mm)

- **Water entry point**

- **Cable entry point**

**Tap dimensions**

WD06: Length 12 1/4" (312mm), Width 11 15/16" (303mm)

**Motor bucket dimensions**

WD06: Height 10 7/16" (266mm), Width 5 9/16" (142mm), Depth 7 7/16" (189mm)

**Minimum clearance**

Suggested installation height 37 9/16" (955mm) from finished floor to center of tap, depending on height of sink. Check installation guide for further details.
WD06 Wall installation

The Dyson Airblade Wash+Dry hand dryer is designed so that the motor unit is located behind the stud wall within a metal enclosure which is supplied with the Dyson Airblade Wash+Dry hand dryer (Fig.1). The vertical wall studs must be constructed so as to allow the metal enclosure to be fitted between them (Fig.2). One of the horizontal wall studs must be fitted a) so it holds the main weight of the metal duct and the unit, and b) so it is in the correct position for the tap stem.

For complete instructions, please refer to the printed installation guide supplied with the machine.

It’s also available online at www.dyson.com/docs
TECHNICAL SPECIFICATION

Electrical
Input voltage: Low Voltage = 100-110V, High Voltage = 200-240V
Frequency: Low Voltage = 50-60Hz, subject to voltage (120V at 60Hz, 100-110V at 50Hz), High Voltage = 50-60Hz
Motor specification: 1000W digital brushless motor
Motor Speed: 81,000rpm
Motor Switching rate: 5,400 per second
Motor type: Dyson digital motor – V4 brushless DC Motor
Amp: Recommended dedicated 15 amp circuit,
Low Voltage: 9.09 amps at 110V, High Voltage = 6.36 amps at 220V
Operating temperature range: 0°-40°C, 32°-104°F
Heater type: None
Standby power consumption: Less than 0.5W

Construction
Tap construction: Stainless steel (brushed)
Lead free
Under counter motor bucket: Molded ABS (main unit) also uses polycarbonate and polypropylene
Exterior screw type: Torx T15
Water ingress protection rating to IP35

Filter
Double-life HEPA filter (glass fiber and fleece prelayer)
Capture 99.97% of particles the size of bacteria as small as 0.3 microns from the washroom air.

Operation
Touch-free infra-red activation
Hand dry time measurement: 14 seconds*
Operation lock-out period: 30 seconds
Airspeed at apertures: 341 mph / 549 km/h (High Voltage),
331 mph / 533 km/h (Low Voltage)
Maximum altitude: 2,000 meters / 6,562 feet
Rated operating noise power: LV = 80dB(A) for WD04-06,
HV = 80dB(A) for WD06, 81 dB(A) for WD04-05
Operation airflow: Up to 5.5 gallons/sec (21 liters/sec)

Water operation
Water flow rate: 0.5 gallons/min (1.9 liters/minute) low flow fitted aerator,
1.0 gallons/min (3.8 liters/minute) with aerator supplied with product
Water temperature control: Thermostatic mixer recommended (not supplied)
Water pressure required: 14.5-116 psi
Tap power supply: Mains supply
Equipped with automatic flush – every 24 hours for 60 seconds, after last use.

Logistics
Net weight: WD04 = 9.39 lb; WD05 = 10.01 lb; WD06 = 20.97 lb
Packaged weight: WD04 = 14.90 lb; WD05 = 16.27 lb; WD06 = 30.09 lb
Packaged dimensions: WD04 = H 11 1/4" (303mm) × W 11 1/4" (284mm) × D 11 1/2" (291mm); WD05 = H 17" (434mm) × W 10 1/4" (275mm) × D 11 1/4" (288mm); WD06 = H 24" (610mm) × W 14 1/4" (375mm) × D 11 1/4" (302mm)
UPC Barcodes: Low Voltage: WD04: 885609014104, WD05: 885609014111, WD06: 885609014128; High Voltage: WD04: 885609014074, WD05: 885609014081, WD06: 885609014098

*Dry time determined using Dyson test method 769 based on NSF P335 to a measurement of 0.1g residual moisture.

Sink specification
The Dyson Airblade Wash+Dry hand dryer is compatible with most sink types. Ensure plugs are not installed in the sinks and avoid inserts with embedded plugs (e.g. ones that swivel or elevate).
Using a specially designed test method, Dyson engineers evaluated the user experience of a wide range of sink types when used with the Dyson Airblade Wash+Dry hand dryer. For further details on our recommended sinks, please see the pre-installation guide on our website: dyson.com/docs
We recommend avoiding sinks with the following geometric characteristics:
Flat bases immediately surrounding the drain hole, nominally within a 2 5/16" (60mm) radius.
Sloping back and front wall transitions in relation to the base of the sink.
See our pre-installation guide for further details: dyson.com/docs
Sink dimensions:
All sink measurements are internal unless stated otherwise.
Minimum width of sink: 15" (380mm), Front to back – Minimum: 13" (330mm)
Minimum depth of sink: 5" (127mm)
Maximum depth of sink for WD05 only: 8" (200mm)
(External measurement of vessel sink)
Sink materials: Sinks with highly polished surfaces should be avoided, e.g. reflective chrome. Porcelain or brushed metal is ideal. When multiple taps are installed side-by-side, tap centers should be a minimum of 22 7/8" (580mm) apart.

Standard warranty
5 year parts, 5 year limited labor warranty.

Product range
WD04 Short
Part number/SKU
Low Voltage: 247659-01
High Voltage: 247908-01

WD05 Tall
Part number/SKU
Low Voltage: 247663-01
High Voltage: 247910-01

WD06 Wall
Part number/SKU
Low Voltage: 247669-01
High Voltage: 247915-01

Accreditations
Carbon Trust
HACCP International
Quiet Mark
WD04 Short & WD06 Wall are ADA compliant
Further documents are available online to download:

- Pre-installation guide
- Installation guide
- Dyson Airblade Wash+Dry hand dryer brochure
- Cleaning guide
- CAD drawings
- Installation videos