



CD-EX Models Certified for:

CLEANING MACHINES For Hazardous Locations (Classes C1618 01 & C1618 81)

Division 1, Class I, Group D and Class II, Groups F and G, T3C  
*Division 1, Class II Group E (metal dust) motor and switch available*

Division 2, Class I Group D and Class II, Groups F and G, T3C



CD EX Series IECEx 3rd Party Certified

Ex d IIB T4 Gb

Ex t IIIC T135°C Db IP65

**IECEx LCI 10.0040 X**

Certified for providing an Equipment Protection Level of EPL Db and EPL Gb



**GUARANTEED** for the Safe Recovery of Combustible/Conductive Dusts

**ESD Safe** Vacuum Systems for Hazardous Locations are designed to prevent ignition hazards.

We use metal parts or Static Dissipative Powder Coating to prevent Electrostatic Discharge (ESD)



Complies with NFPA 77 "Recommended Practice on Static Electricity"

## Characteristics



Dry Recovery



Continuous Duty



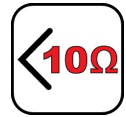
Detachable Tank



HEPA Filter Available  
HEPA - Optional



EX Certified



Less than 10 ohms



SD Accessories - Included



High Filtration Efficiency Unit

**Controlled Air Design**  
**(800) 635-0298**  
**[controlledairdesign.com](http://controlledairdesign.com)**



- Legally certified explosion proof/dust ignition proof
- HEPA filter with an efficiency of 99.995% at 0.3 micron. Tested IEST-RP-CC001. H14 by MPPS method as per EN 1822 and OSHA compliant. All of our HEPA vacuum systems are aerosol leak tested before leaving our facility - optional
- Manometer included (filter blockage indicator)
- Manual Filter Shaker (MFS) system
- Ideal for general cleaning and for process integration
- Continuous duty single phase or 3-phase (TEFC) explosion proof/dust ignition proof motor
- For dry recovery only
- Stainless steel SAE 304 body and heavy duty powder coated cart
- Static dissipative poly liner and clip for the easy and safe disposal of recovered materials - available
- Detachable recovery tank (DT) for easy disposal of recovered materials
- Includes a complete static dissipative tool kit
- Motor and switch for use in the presence of conductive metal dust is available. North-America: Class II, Group E Europe: Dust Group IIIC
- Includes a True Cyclone Separator System located at the suction intake to enhance suction performance

## Specifications

CD-55L (DT) EX (MFS)	112540A3	112540A4	112542A1	112542A2	112542A4	112542A5
<b>Model Name</b>	CD-55L (DT) EX MFS	CD-55L (DT) EX MFS	CD-55L (DT) EX MFS	CD-55L (DT) EX MFS	CD-55L (DT) EX MFS	CD-55L (DT) EX MFS
<b>Type (Powerhead)</b>	Electric	Electric	Electric	Electric	Electric	Electric
<b>TEFC Motor</b>	Yes	Yes	Yes	Yes	Yes	Yes
<b>Voltage</b>	120 V	230 V	460 V	230 V	230 V	575 V
<b>Hertz</b>	60 Hz	60 Hz	60 Hz	60 Hz	60 Hz	60 Hz
<b>Phase</b>	Single	Single	Three	Three	Single	Three
<b>Wattage</b>	1110 W	1110 W	1480 W	1480 W	1480 W	1480 W
<b>Power</b>	1.5 HP	1.5 HP	2 HP	2 HP	2 HP	2 HP
<b>Amperage</b>	15 A	7.5 A	2.6 A	5.2 A	12 A	2.1 A
<b>Air Flow</b>	125 CFM	125 CFM	158 CFM	158 CFM	158 CFM	158 CFM
<b>Vacuum Pressure</b>	120 " H <sub>2</sub> O	120 " H <sub>2</sub> O	130 " H <sub>2</sub> O	130 " H <sub>2</sub> O	130 " H <sub>2</sub> O	130 " H <sub>2</sub> O
<b>VRV Setting</b>	80 " H <sub>2</sub> O	80 " H <sub>2</sub> O	80 " H <sub>2</sub> O	80 " H <sub>2</sub> O	80 " H <sub>2</sub> O	80 " H <sub>2</sub> O
<b>Sound Level</b>	72 dB(A)	72 dB(A)	72 dB(A)	72 dB(A)	72 dB(A)	72 dB(A)
<b>Plug Type</b>	Not Included	Not Included	Not Included	Not Included	Not Included	Not Included
<b>Suction Inlet</b>	2 "	2 "	2 "	2 "	2 "	2 "
<b>Cart Type</b>	Detachable Tank (DT)	Detachable Tank (DT)	Detachable Tank (DT)	Detachable Tank (DT)	Detachable Tank (DT)	Detachable Tank (DT)
<b>Filter Cleaning</b>	Manual Filter Shaker (MFS)	Manual Filter Shaker (MFS)	Manual Filter Shaker (MFS)	Manual Filter Shaker (MFS)	Manual Filter Shaker (MFS)	Manual Filter Shaker (MFS)
<b>Dry Recovery - Tank</b>	14.5 Gal	14.5 Gal	14.5 Gal	14.5 Gal	14.5 Gal	14.5 Gal
<b>Length</b>	40 "	40 "	40 "	40 "	40 "	40 "
<b>Width</b>	24 "	24 "	24 "	24 "	24 "	24 "
<b>Height</b>	47 "	47 "	47 "	47 "	47 "	47 "
<b>Weight (Vacuum Only)</b>	250 lb.	250 lb.	250 lb.	250 lb.	250 lb.	250 lb.
<b>Cord Length</b>	50 ft.	50 ft.	50 ft.	50 ft.	50 ft.	50 ft.
<b>Star Shaped Main Filter Surface Area</b>	9.25 ft <sup>2</sup>	9.25 ft <sup>2</sup>	9.25 ft <sup>2</sup>	9.25 ft <sup>2</sup>	9.25 ft <sup>2</sup>	9.25 ft <sup>2</sup>
CD-55L (DT) EX (MFS)	112544A1	112544A2	112544A5			
<b>Model Name</b>	CD-55L (DT) EX MFS	CD-55L (DT) EX MFS	CD-55L (DT) EX MFS			
<b>Type (Powerhead)</b>	Electric	Electric	Electric			
<b>TEFC Motor</b>	Yes	Yes	Yes			
<b>Voltage</b>	460 V	230 V	575 V			
<b>Hertz</b>	60 Hz	60 Hz	60 Hz			
<b>Phase</b>	Three	Three	Three			
<b>Wattage</b>	3700 W	3700 W	3700 W			
<b>Power</b>	5 HP	5 HP	5 HP			
<b>Amperage</b>	6 A	12 A	5 A			
<b>Air Flow</b>	225 CFM	225 CFM	225 CFM			

<b>Vacuum Pressure</b>	155 " H <sub>2</sub> O	155 " H <sub>2</sub> O	155 " H <sub>2</sub> O
<b>VRV Setting</b>	100 " H <sub>2</sub> O	100 " H <sub>2</sub> O	100 " H <sub>2</sub> O
<b>Sound Level</b>	72 dB(A)	72 dB(A)	72 dB(A)
<b>Plug Type</b>	Not Included	Not Included	Not Included
<b>Suction Inlet</b>	2.5 "	2.5 "	2.5 "
<b>Cart Type</b>	Detachable Tank (DT)	Detachable Tank (DT)	Detachable Tank (DT)
<b>Filter Cleaning</b>	Manual Filter Shaker (MFS)	Manual Filter Shaker (MFS)	Manual Filter Shaker (MFS)
<b>Dry Recovery - Tank</b>	14.5 Gal	14.5 Gal	14.5 Gal
<b>Length</b>	40 "	40 "	40 "
<b>Width</b>	24 "	24 "	24 "
<b>Height</b>	47 "	47 "	47 "
<b>Weight (Vacuum Only)</b>	250 lb.	250 lb.	250 lb.
<b>Cord Length</b>	50 ft.	50 ft.	50 ft.
<b>Star Shaped Main Filter Surface Area</b>	9.25 ft <sup>2</sup>	9.25 ft <sup>2</sup>	ft <sup>2</sup>

Please note that specifications are subject to change without notice

## Use only recommended tools & accessories



New Star Shaped filter with Manual Filter Shaker



HEPA Filter - Upstream - Optional



HEPA Filter - Downstream - Optional



HEPA Filter - Downstream - Optional



Ø1.5" (Ø38 mm) Static Dissipative Tools and Accessories for 1-2 HP Models - Included



Ø2" (Ø50 mm) Static Dissipative Tools for 5 HP Models - Included