
Ahu Cfm Calculation

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Ducting Size Calculations
Modernize. Typical HVAC Rules
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Calculator. CFM calculator
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How to Calculate CFM in HVAC
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Cleanrooms Controlled
Environments Magazine. Chilled
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25 000 CFM 50 60 Hz. What is
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ThermExcel. How to Calculate
Residential Duct Size Hunker*

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July 11th, 2018 - AHU Static
Calculation Jet Diffuser 1160
CFM 12 Dia E S P Calculation
AHU uploaded by Brent Tantocco
Duct Calculation Original '

'**ROOM STATIC PRESSURE**
CALCULATION HVAC R engineering
July 12th, 2018 - My HVAC
Manual is not new or 1 cfm ft²
of room area or about 16 cfm
if you calculate leakage based
on HVAC standards for crack
free area'

'**ACMV DESIGN PRECOOLED AHU**
CALCULATION

July 9th, 2018 - Just start
with precooled AHU Calculation
When you want to size the
precooled AHU you need to know
fresh air volume and
temperature set point'

'**How to calculate the CFM to**
TR What is the Formula

July 12th, 2018 - otherwise
400 CFM consider for Once
through system AHU Capacity
will be increased so better to
consider 200 to 300 CFM for
Once through AHU s Any answer
or formula recording above
concept please share'

'HVAC Ducting Size Calculations Modernize

November 20th, 2016 - To calculate CFM you need to know the size of your heating or cooling unit in tons Multiply this number by 400 which is the average output of an HVAC unit Then divide by the total square footage of your home This will give you the multiplier for all your rooms? CFM So if you're starting in the kitchen and the kitchen is 300 square' 'Typical HVAC Rules of Thumb Abraxas Energy Consulting

July 10th, 2018 - Note Do not assume these values to be LAWS They are only typical values which SHOULD BE VERIFIED for each application Also if you're interested in learning even more here's a free download for you Standardized EMCS Energy Savings Calculations 20 3MB PDF General Information Air Movement 6 ACH 1 CFM ft² Ventilation Rate 5 CFM person Fan' 'Ahu Cfm Calculations

Super Shareware

July 5th, 2018 - Ahu Cfm Calculations in title Design Master HVAC Multimedia and Design Graphic Viewers Commercial 840 00 6 1 MB Any Place Calculator Education Mathematics'

'Air Flow formulas ICB TABB
July 12th, 2018 - Air Flow
formulas CFM Duct area sq ft x
Velocity Standard Air 70F 29
92? HG CFM CFM Volume
calculations CFM SP SE x
6356x'

'Free Air Conditioning
Calculator
July 9th, 2018 - Free Air
Conditioning Heat Load
Calculator written in
Javascript' 'CFM calculator
Ocean HVAC

July 13th, 2018 - 2 Velocity
method Input square inches of
duct amp ft per minute formula
CFM Velocity in ft per min x
area in sq ft'

'Power Conversion Formulas
2016 GSA
July 10th, 2018 - calculate
the total special purpose area
load 12 000 Btu ton hr x 70
actual load 20kW ton one
quarter horse per ton 3412 Btu
kW hr blower motor 2 66 kW
ton' 'Calculators amp Charts
Trane Commercial

July 9th, 2018 - Calculators
amp Charts These calculators
include software to calculate
your Use this spreadsheet to
determine whether the HVAC
equipment and refrigerant'

'How to Calculate CFM in HVAC
Hunker

July 10th, 2018 - In order to

have a comfortable living space or room you need to have a properly designed HVAC system If you have too little airflow in a space it may take a really long time to heat or cool to the desired temperature'

'HVAC Design for Cleanrooms Controlled Environments Magazine'

July 10th, 2018 - Choose design the appropriate system HVAC design is driven by the required cleanliness of the room ISO class but also by the required temperature humidity and pressure differential'

'Chilled Water Air Handling Unit 1 000 25 000 CFM 50 60 Hz July 14th, 2018 - Air Handling Unit 1 000 25 000 CFM 50 60 Hz LPCP Economical design to suite for commercial application The fully assembled LPCP air handler offers a large selection of configuration to meet a wide range of cooling and ventilating requirements LPCP is ideally suite for stores office buildings schools or other commercial establishments High efficiency performance Trane engineered fan and' 'What is CFM how to calculate CFM of AHU CSU FCU YouTube'

July 5th, 2018 - What is CFM

how to calculate CFM of AHU
CSU FCU How Chiller AHU RTU
work working principle Air
handling unit Fan amp motor
CALCULATIONS'

'**Esp CALCULATION DATA SHEET
Final Scribd**

September 7th, 2010 - Esp
CALCULATION DATA SHEET Final
Free download as Excel
Spreadsheet xls PDF File pdf
Text File txt or read online
for free''**Calculation of
Airflow Required for a Given
Heat Load**

July 9th, 2018 - Calculation
of Airflow Required for a
Given Heat Load In a data
center heat loads are known
for different computers or
server racks From this
information we need to obtain
the cooling airflow rate in
CFM required for satisfactory
cooling of the electronics
equipment The objective of the
data center airflow design
would then be to supply this
flow rate through the
perforated tiles located'

'**How To Calculate Cfm For HVAC
HVAC Tech Career Training**

July 8th, 2018 - How To
Calculate Cfm For HVAC HVAC
training programs are
available across the country
Visit now for course locations
start dates and tuition fees'

'Cooling Airflow Design

Calculations for UFAD

July 10th, 2018 - Cooling Airflow Design Calculations for UFAD tribution AHU From Figure 2 room airflow 0 6 ? 0 7 cfm ft² 3 1 ''What Is the CFM Formula for HVAC Reference com July 13th, 2018 - The formula used to determine the amount of CFM or cubic feet per minute a room needs for heating begins by multiplying the room s volume by the number of times the heated air gets changed hourly Then divide the resulting number by 60 to produce the amount of CFM required To determine the room s ''Free Air Conditioning Calculator July 9th, 2018 - Free Air Conditioning Heat Load Calculator written in Javascript '

'AHU Calculations

Refrigeration Engineer com

forums

July 14th, 2018 - Re AHU Calculations I think the great art of all that is to bring it down to a few useful formulaes and make it practically applicable Theory is a theory but at the end of the day customer don t care how much you know in theory he wants the job done and the better

the application of the knowledge into practice the finer the job will be'
'HVAC Calculations Information Technology

July 11th, 2018 - Calculations for the size of the HVAC system in Macalister hall will be completed through two methods The first method will be based on cfm and tonnage estimates set forth in ASHRAE ' 'Ventilation for buildings ? Calculation methods for the

July 15th, 2018 - be used for applications such as energy calculations heat and cooling load calculation summer comfort and indoor air quality evaluation The ventilation and air tightness requirements as IAQ heating and cooling safety fire protection? '

'ENGINEERING com Air Flow Conversion Calculator

July 3rd, 2018 - Volume flow is usually measured in Cubic Feet per Minute CFM Concept of Air Enter value select unit and click on calculate'

'Calculating the required CFM HVAC Talk Heating Air

July 10th, 2018 - Could some one please tell me how to calculate the required CFM for a room Is it Calculated like Required CFM Room Volume in cubic feet divided by Minutes per air change in the room'

'How you can calculate the CFM for 1 TR Bayt com

August 11th, 2014 - we cant extactly say the cfm for 1 ton but as per thumb rule for centralized air conditioning system i tr 400 cfm for HVAC

How you can calculate the CFM for 1'

'how to calculate the cfm of ahu Yahoo Answers

July 7th, 2018 - Are you trying to determine the size of a new AHU or are you trying to determine the capacity of an existing AHU Sizing a new AHU will require more information on what the AHU will be serving'

'ENGINEERING com Air Flow Conversion Calculator

July 1st, 2018 - Volume flow is usually measured in Cubic Feet per Minute CFM Concept of Air Velocity can be used in air conditioning heating and ventilating work Enter value select unit and click on calculate Result will be displayed'

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information on what'

'Calculating the CFM of a Fan YouTube'

July 4th, 2018 - The flowrate of a fan is an important factor needed to estimate the performance of a hot air collector My load box calculation method uses a light bulb as a'

'Commonly Used HVAC Formulae and Conversions'

July 11th, 2018 - Commonly Used HVAC Formulae and Conversions Air Side Q Total CFM x h i ? h f x 4 5 Btuh Q Sensible' **'HVAC Ducting Size Calculations Modernize'**

November 20th, 2016 - HVAC systems only work when the ducts are the right size for your home Here s what to know about ductwork calculations' **'Cooling calculation HVAC R engineering Eng Tips'**

July 12th, 2018 - Could anyone tell me the calculation to work out the cooling load for a chiller on an AHU cfm is air flow in cubic feet per minute' **'Learn how to calculate Cubic Feet per Minute CFM'**

July 10th, 2018 - Tutorial on how to calculate cubic feet per min cfm with clear example and definition online'

'Use the Air Changes'

Calculation to Determine Room CFM

March 23rd, 2016 - Use the Air Changes Calculation to Determine Room CFM An air change is how many times the air enters and exits a room from the HVAC system in one hour Rob Doc Falke Mar 24 2016'

'How to Determine How Much CFM a Room Needs for Heating'

July 11th, 2018 - The volume of air that must be circulated through the room is measured in cubic feet per minute to simplify the calculations How Much CFM a Room Needs for'

'HVAC Formulas Computrols'

July 8th, 2018 - Computrols believes that our customers should have the ability to operate their own HVAC system and Continue reading HVAC Formulas CFM Heat Index Calculation'

'AHU Selection Sizing Calculation Barkell'

July 10th, 2018 - Our air handling unit configuration and AHU selection guide enables you to rapidly select the appropriate unit size for a specific project requirement''AHU Static Calculation Scribd'

July 11th, 2018 - Scribd is the world's largest social reading and publishing site'

'HVAC System Design RESNET July 5th, 2018 - HVAC System Design The Sequential Process for Calculating Loads Sizing Appliances amp Designing Distribution Systems Mark Hutchins Conservation Services Group' 'How Do You Use a CFM Calculator Reference com

July 14th, 2018 - To use a CFM cubic feet per minute calculator to determine airflow needs for a room know variables such as the volume of the room and the number of times the air changes per hour from the fan ventilation system and apply them to a formula CFM is an engineering calculation used to find the'

'Air Conditioning Design Psychrometrics amp Coil Load July 10th, 2018 - Air Conditioning Design Psychrometrics amp Coil Load Calculation Free download as PDF File pdf Text File txt or read online for free psychometric'

'HVACQuick How To s Unit Conversion Calculator July 11th, 2018 - How To s Unit Conversion Calculator HVACQuick com'

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July 11th, 2018 - Calculations for the size of the HVAC system in Macalister hall will be completed through two Estimated CFM 75 to 125 cfm per 100 square feet of total'

'Calculating Air Flow for Air Handling Units ZenHVAC

July 9th, 2018 - Calculating Air Flow for Air Handling Units Posted on February 8 2018 by Patrick Peterson Posted in Air Side It's Technical ? 6 Comments ? It's only fair to share'

'Cooling Load Calculations and Principles

July 14th, 2018 - hvac cooling load calculations and principles Sensible Heat Gain ? is the energy added to the space by conduction convection and or radiation Latent Heat Gain ? is the energy added to the space when moisture is added to the space by means of vapor'

'What Is the CFM Formula for HVAC Reference com

July 13th, 2018 - A duct calculator measures air velocity by using a formula in which air flow is a variable expressed in cubic feet per minute or CFM Heating ventilation Heating ventilation Full Answer

gt''Airflow quick reference guide Support Fluke com
July 11th, 2018 - Calculating Air Changes per Hour ACH $Q \times 60$ Room Volume ft^3 $Q \text{ ft}^3$ minute CFM Calculating Air Velocity Standard 70 °F 29 92 in Hg V 4005 \times ?VP''**Air Handling Units Systemair**
July 4th, 2018 - With this catalogue which features air handling units fans and accessories we give you as our customer a general overview of what **Systemair** can offer within this''**AHU psychrometric process calculator**

July 13th, 2018 - Air Handling Unit AHU psychrometric calculator simplifies the process of psychrometric chart graphical calculation''**HVAC Formulas Computrols**

July 8th, 2018 - Computrols believes that our customers should have the ability to operate their own HVAC system and building automation controls That is why we do our best to provide them with as many free resources as possible Here you will find our HVAC formulas On larger screens you can either scroll down to view each individually ? Continue reading HVAC Formulas ?'

' HVAC FORMULAS TON OF REFRIGERATION The amount of heat

July 12th, 2018 - hvac formulas ton of refrigeration
24 x 075 x 60 x cfm x ? t 1 08
x cfm x ? t how to calculate area'

'Arlan Burdick IBACOS Inc NREL July 14th, 2018 - This guide presents the key criteria required to create accurate heating and cooling load calculations and offers examples of the implications when inaccurate adjustments are applied to the HVAC design process The guide shows through realistic examples how various'

'Strategy Guideline HVAC Equipment Sizing NREL'

July 14th, 2018 - 2 5 Estimated Target Cubic Feet per Minute involves more than just the load estimate calculation?the load calculation Strategy Guideline HVAC'

'Chilled Water Air Handling Unit 1 000 25 000 CFM 50 60 Hz July 14th, 2018 - The LPCP air handling unit is easy to select by using quick selection guide table below

Unit 2Size ft cfm MBH Tons in wg Arr mm mm mm Kg ft wg GPM'

'ACMV DESIGN PRECOOLED AHU CALCULATION

July 9th, 2018 - PRECOOLED AHU CALCULATION Just start with precooled AHU Calculation When you want to size the precooled

AHU you need to know fresh air volume and temperature set point Once you know this two info you can size the AHU Just start calculate for 3000 l s fresh air volume and set point temp is 16 C We all know that there are two kinds of heat for fresh air Sensible and Latent Heat Cooling'

'Air Handling Unit Design for High Performance Buildings
July 13th, 2018 - 3457 Page 1
International High Performance Buildings Conference at Purdue
July 12 15 2010 Air Handling Unit Design for High Performance Buildings J
Michael CARSON'

'Rapid HVAC Duct Sizing Free Apps on Google Play
July 9th, 2018 - Rapid HVAC Duct Sizing Free For its calculations Rapid HVAC Duct Sizing uses a hybrid of the equal friction loss method and constant velocity'

'Air Handling Units Systemair
July 4th, 2018 -
Skinnskatteberg Sweden
Klockargården Systemair s small air handling units are made at Klockargården in Skinnskatteber g Frico's central warehouse of approximately 8 000' 'Need help in calculating the AHU CFM
HVAC Talk Heating

July 9th, 2018 - I want to know how calculate the total CFM Cubic feet per meter for a Single AHU Air handling Unit I am working in a software company where 1 AHU have minimum of 70 to 80 supply air diffusers'

'Hvac Cfm Calculator HVAC Technician Training'

July 10th, 2018 - Hvac Cfm Calculator HVAC technician training programs are available with classes starting now Visit us to see schools in your area'

'HVAC ?Basic Science? System Capacity'

July 15th, 2018 - ? 15 CFM per person OR 0 15 CFM sq ft ? Air change calculation AC hour HVAC System Types ? Energy Recovery Ventilators ERV?s ? Evaporative Cooling'

'CFM calculator Ocean HVAC
July 13th, 2018 - 2 Velocity method Input square inches of duct amp ft per minute formula CFM Velocity in ft per min x area in sq ft ''HVAC

Calculations and Duct Sizing
PDHonline com

July 9th, 2018 - www.PDHcenter.com PDH Course M199 www.PDHonline.org HVAC Calculations and Duct Sizing'

'Strategy Guideline HVAC Equipment Sizing NREL'

July 14th, 2018 - Right sizing

the HVAC system begins with an accurate understanding of the heating and cooling loads on a space however a full HVAC design involves more than just the load estimate calculation?the load calculation is the first step of the'

'AHU Calculations

Refrigeration Engineer com forums

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July 15th, 2018 - Ventilation for buildings ? Calculation methods for the EN 13053 Ventilation for building ? Air handling units ? Ratings and performance for components'

'Calculation of Airflow Required for a Given Heat Load

July 9th, 2018 - Calculation of Airflow Required for a Given Heat Load From this information we need to obtain

the cooling airflow rate in CFM required for satisfactory cooling'

'Residential HVAC Design Summary Nebraska'

July 12th, 2018 - Residential HVAC System Design Resources HVAC standards and guidelines are also interdependent Manual RS System Concept Manual J Load Calculation' 'Calculating the required CFM HVAC Talk Heating Air'

July 10th, 2018 - Calculating the required CFM Could someone please tell me how to calculate the required CFM for a room Is it Calculated like Required CFM Room Volume in cubic feet'

'SOLUTION AIR HANDLING UNITS usair eng com'

July 9th, 2018 - form 102 20 qgl 808 solution air handling units 2000 to 100 000 cfm indoor amp outdoor models ld08301 fpc dp xa fshf xa cc hcxa rf femb v f d v f d split sa ea ra vc xa hc rf mb' 'What Is Needed to Convert CFM to BTU to Determine HVAC'

July 11th, 2018 - What Is Needed to Convert CFM to BTU to Determine HVAC System Size A What Is the CFM Formula for HVAC How Do You Use a CFM Calculator What Is a CFM Bathroom Fan Credit Jessie Jean The Image Bank Getty

Images Full Answer To derive the amount of energy needed for the proper heating or air conditioning unit use the calculation to determine the size of the unit that will not overtax' **'Cooling Airflow'**

Design Calculations for UFAD

July 10th, 2018 - October 2007 ASHRAE Journal 37 Cooling Airflow Design Calculations for UFAD tribution and 2 100 of the net heat gain is removed from the space by airflow through the room'

'Use the Air Changes Calculation to Determine Room CFM'

March 23rd, 2016 - An air change is how many times the air enters and exits a room from the HVAC Contracting Business Here is a four step process on how to calculate the room CFM' **'How to Determine Required Return Grille Airflow'**

March 15th, 2011 - When designing or redesigning an HVAC system Use the Air Changes Calculation to Determine Room CFM How to Determine Required Return Grille Airflow'

'How you can calculate the CFM for 1 TR Bayt com

August 11th, 2014 - we cant extactly say the cfm for 1 ton but as per thumb rule for centralized air conditioning

system is tr 400 cfm for non centralized conditioning
system is tr 300cfm'

'HVAC Calculations and Duct Sizing PDHonline.com
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Course M199 3 PDH HVAC Calculations and Duct Sizing
2012 Instructor Gary D Beckfeld P E PDH Online PDH Center 5272 Meadow Estates Drive' 'Need help in calculating the AHU CFM HVAC Talk Heating

July 9th, 2018 - I want to know how calculate the total CFM Cubic feet per meter for a Single AHU Air handling Unit I am working in a software company where 1 AHU have minimum of 70 to 80 supply air diffusers'

'Cooling calculation HVAC R engineering Eng Tips

July 12th, 2018 - Could anyone tell me the calculation to work out the cooling load for a chiller on an AHU The flow rate I've been given is 9m3s and a delta T of 10 degC from 2'

'HVAC ?Basic Science? System Capacity

July 15th, 2018 - 2 HVAC Airflow Duct and Component Sizing ? CFM volume of airflow cubic feet minute ? FPM velocity speed of airflow feet

minute ? AREA duct size in square feet CFM FPM X AREA FPM CFM AREA AREA CFM FPM ''HVAC How to Size and Design Ducts CED Engineering

July 14th, 2018 - HVAC ? HOW TO SIZE AND DESIGN DUCTS Air flow problems have plagued the HVAC industry for years No matter how much money you spend on a highquality HVAC system the equipment won?t work at it s best without properly designed and installed ductwork Ducts that are not well designed result in discomfort high energy costs bad air quality and increased noise levels A well designed ''**ROOM STATIC PRESSURE CALCULATION HVAC R engineering**

July 12th, 2018 - Depending on how you calculate it the recommended fresh air exchange rate is 10 20 cfm per person or 1 cfm ft² of room area or about 16 cfm if you calculate leakage based on HVAC standards for crack free area or about 1260 cfm if you elect to maintain a 60 fpm velocity for all openings including doors unless you use a double door air lock'

' HVAC FORMULAS TON OF REFRIGERATION The amount of heat

July 12th, 2018 - HVAC FORMULAS TON OF REFRIGERATION

The amount of heat required to melt a ton 2000 lbs of ice at 32°F 288 000 BTU 24 hr 12 000 BTU hr APPROXIMATELY 2 inches in Hg mercury 1 psi WORK Force energy exerted x

Distance ' 'What is CFM how to calculate CFM of AHU CSU FCU YouTube

July 5th, 2018 - Air flow velocity measurement by using anemometer How Chiller AHU RTU work working principle Air handling unit rooftop unit Duration 8 25 The Engineering Mindset 211 773 views ' 'KEES

July 10th, 2018 - 2 Fan Selection Procedure KEES

Incorporated offers a wide range of air handlers capable of producing from 600 to 30 000 CFM These units may include tempering sections ' 'How to Calculate HVAC Tonnage Hunker

July 9th, 2018 - A truly accurate calculation for AC tonnage is very complex Fortunately there is an easy way for homeowners to arrive at a rough estimate for the tonnage '

'Duct Calculator CDICurbs

July 13th, 2018 - Sheet Metal Duct Friction Loss Calculator 1 Enter Duct Airflow CFM Duct Velocity FPM Duct Length and the number of bends 2 Read Round Duct Diameter inches and Friction Loss Per 100 of duct

inches of water'

'How to Determine How Much CFM a Room Needs for Heating

July 11th, 2018 - The volume of air that must be circulated through the room is measured in cubic feet per minute CFM and determining the correct volume is the key to a successful heating system 1 Measure the length width and height of the room using a tape measure Round all the values up to the next full foot to simplify the calculations For example'

'Air Flow formulas ICB TABB July 12th, 2018 - M Mass Flow Rate in Lbs per Hour sp ht Specific Heat in BTU Lb per Degree F CFM BTUH Sensible TDryBulb \times 108 ? BTUH CFM T Den' 'Commonly Used HVAC

Formulae and Conversions

July 11th, 2018 - Commonly Used HVAC Formulae and Conversions Air Side Q Total CFM \times h i ? h f \times 4 5 Btuh Q Sensible'

'How to Calculate CFM in HVAC Hunker

July 10th, 2018 - In order to have a comfortable living space or room you need to have a properly designed HVAC system If you have too little airflow in a space it may take a really long time to heat or cool to the desired

temperature It could never reach the desired temperature if airflow is really low Too'

'CFM Calculator Cubic Feet per Minute Conversion'

July 9th, 2018 - By knowing any two parameters we can calculate the remaining parameter using this cubic feet per minute conversion calculator Cubic Feet per Minute Conversion Calculate Air Flow I want to calculate'

'How Is CFM Air Flow Calculated YouTube'

July 13th, 2018 - How Is CFM Air Flow Calculated This calculator helps you to calculate air flow in cubic feet per minute Airflow calculation hvac training' ''KEES

July 10th, 2018 - Air Handling Unit Fan Selection Guide Incorporated offers a wide range of air handlers capable of producing from 600 to 30 000 CFM Step 4 Calculate the ''HVACQuick How To s Unit Conversion Calculator

July 11th, 2018 - How To s Unit Conversion Calculator HVACQuick com'

'AeroDuct program Duct sizing ThermExcel'

July 10th, 2018 - Duct sizing Duct size Static pressure Friction loss Air handling units AeroDuct program Duct sizing This calculation

program on Excel makes '

' How to Calculate Residential Duct Size Hunker

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How to Calculate Residential Duct Size Hunker 2018 04 03

Hunker SAVE Duct work that is an incorrect size can cause unnecessary noise increased energy costs and lower air quality Duct systems distribute air from a heater or air conditioner throughout a home Before calculating the appropriate duct size individuals will need to determine the required cubic feet per minute for a ''

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