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The Two Most
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Equations and How to
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you need to know to
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~~How to Make a Sheet~~

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to create PMP

FORMULAS BRAIN

DUMP | PMP Cheat

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Sheet | 2020 | PMP

Exam Prep Sensible

Heat Formula for

HVAC Engineers -

Where does $Q=1.08$

CFM ΔT come from?

~~Superheat and~~

~~Subcooling Explained!~~

~~How to Easily~~

~~Understand!~~

~~Understanding~~

~~Manual J - HVAC~~

~~Essentials~~

HVAC Training Book,

Page 5/39

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Refrigerant Charging

\u0026amp; Service

Procedures Ebook

\u0026amp; Paperback!

Superheat Charging

Chart- How to Find

Target Superheat and

Actual Superheat on

an Air Conditioner!

HTML Crash Course

For Absolute

Beginners Ductwork

sizing, calculation and

design for efficiency -

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HVAC Basics + full worked example 20 Causes of Low Indoor Airflow on Furnaces and Air Conditioners!
Learn: Basic Electrical Concepts \u0026amp; Terms Tips for Air Balancing Your Home ~~Refrigeration Cycle~~
101 How to Memorize the 49 Processes from the PMBOK 6th Edition Process Chart

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Hvac Formula

HVAC Training -

Basics of HVAC How to perform an HVAC service call from start to finish

Air Handler with Electric Strip Heating: Operation and Troubleshooting!

Measuring Static Pressure on an Air Handler for Airflow CFM!

PMBOK Guide Sixth:

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~~Cheat Sheet~~
How to Do Your PMP
Exam Brain-Dump
Like a Boss @ The
Test Center! - 7
minutes
~~Frozen Evap
Coil Troubleshooting:
Liquid Line
Restriction, Low
Airflow, Low Charge!~~
How to use the Profit
First Accounting
System by Mike
Michalowicz ☐☐ FREE
Calculator

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HVAC Book
recommendation...

~~HVAC Delta T
Explained! What
Temperature Should it
be? Refrigerants How
they work in HVAC
systems Math Exam,
Qualifying for
Apprenticeship in the
Electrical Industry
How to Calculate
HVAC System BTU~~

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~~Capacity Heat Load~~

~~Calculation HVAC~~

~~Full Explanation~~

~~Simplified Hvac~~

Formula Cheat Sheet

SENSIBLE HEAT

FORMULA

(Furnaces): BTU/hr. =

Specific Heat X

Specific Density X 60

min./hr. = X CFM X ΔT

.24 X .075 X 60 X

CFM X ΔT = 1.08 X

CFM X ΔT .

Read Book Hvac Formula

ENTHALPHY =

Sensible heat and
Latent heat . TOTAL
HEAT FORMULA (for
cooling, humidifying
or dehumidifying)

BTU/hr. = Specific
Density X 60 min./hr.
X CFM X $\Delta H = 0.75 \times$
 $60 \times \text{CFM} \times \Delta H$

HVACR FORMULAS
Cheat Sheet /
Formulas /

Read Book Hvac Formula Calculations.

REMEMBER - check for flame interference when the fan comes on - interference is an indication of a cracked heat exchanger. Fuse - 1.25 times total amperage of all the furnace components and should be rated for time delay or slow burn. HVAC Cheat

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Sheet - Google Sites:
Sign-in The HVAC
cheat sheet you need.

Hvac Formula Cheat
Sheet -

mage.gfolkdev.net

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Sheet Hvac Formula
Cheat Sheet HVACR
FORMULAS HVACR
FORMULAS TON OF
REFRIGERATION -
The amount of heat

Read Book

Hvac Formula

required to melt a ton
(2000 lbs) of ice at
32° F 288,000 BTU/24
hr 12,000 BTU/hr
APPROXIMATELY 2
inches Hg (mercury) =
1 psi WORK = Force
(energy exerted) X
Distance Example: A
150 lb man climbs a
flight of stairs 100 ft
high

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Note: CO₂% is calculated based on the O₂% utilizing the following formula.

$(20.9 - \%O_2) \times \text{Max CO}_2 \text{ produced by fuel} / 20.9$. Nat Gas
Max CO₂ = 11.9. LP
Gas Max CO₂ =
13.9. Draft
Measurements...

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Hvac Formula

HVAC TRAINING

Useful HVAC

Formulas For

conditions other than
standard air: Total

Heat (BTU/hr) = $4.5 \times$
 $\text{cfm} \times \Delta h$ (std. air)

Sensible Heat

(BTU/hr) = $1.1 \times \text{cfm} \times$
 Δt (std. air) Latent

Heat (BTU/hr) = 0.69
 $\times \text{cfm} \times \Delta \text{gr.}$ (std. air)

Other Formulas. Total
Heat (BTU/hr) = $500 \times$

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Hvac Formula

$$\frac{\text{gpm} \times \Delta t \text{ (water)}}{\text{cooler}} = (24 \times \text{TONS})$$

$$/ \Delta t \text{ (water)}$$

Your Guide to HVAC
Formulas - HVAC
Training 101

Percent unbalance =
(0.03636363636) x
100. Percent
unbalance =
3.636363636%. Step
Five □ Square the
unbalance percentage

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and multiply it by two to determine the percentage increase in winding temperature. This step allows your technician to determine the actual impact of this imbalance on the temperature of the motor.

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Hvac Formula

Calculations for the
HVAC Industry in
2020

Useful HVAC

Formulas. \square BTU/hr =
3.413 x watts = HP x
2546 = Kg Cal x 3.97.

\square HP (air) = cfm x \square p
(in.H₂O)/6350 x Eff.

\square HP (water) = gpm x
 \square p (ft.)/3960 x Eff. \square

Gal. = FT³/7.48 =
3.785 Liters = 8.33 lb.
(water) = 231 in.³. \square

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Therm = 100,000 BTU
= MJ/105.5. NOTE:
Liter/sec is the proper
SI term for liquid flow.

Useful HVAC
Formulas - REA
HVAC

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Useful HVAC

Formulas. For

conditions other than standard air: Total

Heat (BTU/hr) = $4.5 \times \text{cfm} \times \Delta h$ (std. air)

Sensible Heat

(BTU/hr) = $1.1 \times \text{cfm} \times \Delta t$ (std. air)

Latent Heat (BTU/hr) = $0.69 \times \text{cfm} \times \Delta \text{gr.}$ (std. air)

Other Formulas. Total

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Hvac Formula

Heat (BTU/hr) = 500 x
gpm x Δt (water) GPM
cooler = (24 x TONS)
/ Δt (water)

A Complete Guide To
HVAC Formulas
Commonly Used
HVAC Formulae and
Conversions Air Side
 $Q_{\text{Total}} = \text{CFM} \times (h_i - h_f) \times 4.5 \text{ Btuh}$
 $Q_{\text{Sensible}} = \text{CFM} \times (t_i - t_f) \times 1.085 \text{ Btuh}$

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Hvac Formula

Latent = CFM x (Gr i -

Gr f) x .068 Btuh

Humidification = CFM

x (Gr f - Gr i) / 1,555

lbs/hr CFM = l/s x

2.12 Air Pressure

Drop (in.

Commonly Used
HVAC Formulae and
Conversions

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Sheet SENSIBLE
HEAT FORMULA

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Hvac Formula

(Furnaces): BTU/hr. =
Specific Heat X
Specific Density X 60
min./hr. = X CFM X ΔT
.24 X .075 X 60 X
CFM X ΔT = 1.08 X
CFM X ΔT .

ENTHALPHY =
Sensible heat and
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HEAT FORMULA (for
cooling, humidifying
or dehumidifying)
BTU/hr. = Specific

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use Excel for many of
your day-to-day
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tasks, like determining

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computing classroom
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college expenses.

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will offer.

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Formula Cheat Sheet

$$Q_{\text{Total}} = \text{CFM} \times (h_i - h_f) \times 4.5 \text{ Btuh/Q}$$

$$\text{Sensible} = \text{CFM} \times (t_i - t_f) \times 1.085 \text{ Btuh/Q}$$

$$\text{Latent} = \text{CFM} \times (\text{Gr}_i - \text{Gr}_f) \times 0.068 \text{ Btuh}$$

$$\text{Humidification} = \text{CFM} \times (\text{Gr}_f - \text{Gr}_i) / 1,555$$

$$\text{lbs/hr CFM} = \text{l/s} \times$$

2.12 Air Pressure

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and Conversions

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Excel Formulas and Functions For

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Academia.edu is a platform for academics to share research papers.

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The HVAC cheat sheet you need. Your home's HVAC system is probably the most important piece of equipment in your home. But do you know how it works? Or even what it stands for? Use this cheat sheet to make sure that you understand the basics about how your

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home's heating,
cooling and ventilation
system works. ...

The HVAC cheat
sheet you need. |
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Sheet -
catalog.drapp.com.ar
□ The measure of
energy the HVAC

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system needs to add or remove from a space to provide the desired level of comfort □ Btu/h □ Not the . size. of the HVAC system □ First piece of information needed □ 12,000 Btu/h = 1 Ton Cooling □ Can be. highly ...

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PE Reference Guide
(Mechanical HVAC &
Refrigeration)

www.energy350.com

Revised 10/18/14

Properties of Water

Latent Heat of

Vaporization = 970

Btu/lb 1 lb = 7,000

grains density = 62.4

lb/ft³ 1 gallon = 8.3 lb

31 ft = 7.48 gallons

Heat Exchanger

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Calculations where h

Heat Wheel

Effectiveness

Calculation S

$$\text{Efficiency} = (T_2 - T_1) / (T_3 - T_1)$$

PE Reference Guide
(Mechanical HVAC &
Refrigeration)

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