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Formula Two phase : Volts x Amperes x PF x Effx 2
Horsepower — 745.7 Watts = Volts x Amperes x PF x 2
Volts x Amperes x PF x 2 Kilowatts = 1000 Volts x Amperes x PF x hours x 2
Kilowatt-hours = 1000 Volts x Amperes x 2 KVA = Eff 1000 Kilo-Volts-Amperes
Power Factor Efficiency getcalc

Electrical Engineering Formulas Ohms Law
The complete list of electrical & electronics

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Electrical & Electronics Engineering Formulas - PDF Download

This spreadsheet calculates the most common and basic electrical engineering formulas. These are:
Single phase power in kVA; Three-phase power in kVA; Single phase current in Amps; Three-phase current in Amps; Dissipated power in Watts; Inductance in Henries; Impedance in Ohms; Resistance in Ohms

Electrical Engineering General Formulas

Today Electrical Engineering XYZ shares free formula sheet on basic electrical engineering concepts and topics. The formula sheet contains different formulas on 13 DC and AC topics and is important for all Engineering students who are doing their engineering, and for those who are appearing in various competitive tests. While these formulas are basic concepts everyone in the electrical field is expected to remember them.

Download Free Basic Electrical Engineering Formula Sheet

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ENGINEERING FORMULAS BASIC ELECTRICAL CIRCUIT
FORMULAS IMPEDANCE VOLT-AMP EQUATIONS
ENERGY CIRCUIT absolute complex instantaneous
RMS values for (dissipated on R ELEMENT value form
values sinusoidal signals or stored in L, C)
RESISTANCE R $v=iR$ $V_{rms}=I_{rms}R$ $E=I_{rms}^2R \times t$
INDUCTANCE $2\pi fL$ $j\omega L$ $v=L \times di/dt$ $V_{rms}=I_{rms} \times 2\pi fL$
 $E=Li^2/2$ CAPACITANCE $1/(2\pi fC)$ $1/j\omega C$ $i=C \times dv/dt$
 $V_{rms}=I_{rms}/(2\pi fC)$ $E=Cv^2/2$ Notes: R- electrical
resistance in ohms, L ...

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...

ELECTRONIC FORMULAS Ohm's Law Formulas for D-C
Circuits. Ohm's Law Formulas for A-C Circuits and
Power Factor. In the above formulas ϕ is the angle of
lead or lag between current and voltage and $\cos \phi =$
 $P/EI =$ power factor or pf. Note: Active power is the
"resistive" power and equals the equivalent heating
effect on water.

ELECTRONIC FORMULAS

Basic Electrical Engineering Formulas & Equations
Basic Electrical Quantities Formulas Ohm's,
Kirchhoff's & Coulomb's Laws - Formulas Voltage &
Current Divider Rules (VDR & CDR) Equations Power
Formulas in DC & AC Single & Three-Phase Circuits
Resistance, Conductance, Impedance & Admittance
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Electrical Motor - Power. $P_{3\text{-phase}} = (U I PF 1.732) / 1,000$ (7) where. $P_{3\text{-phase}}$ = electrical power 3-phase motor (kW) PF = power factor electrical motor.

Electrical Motor - Amps. $I_{3\text{-phase}} = (746 P \text{ hp}) / (1.732 V \mu PF)$ (8) where. $I_{3\text{-phase}}$ = electrical current 3-phase motor (amps) PF = power factor electrical motor

Electrical Formulas - Engineering ToolBox

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Engineering Formula Sheet. Probability. Conditional Probability. Binomial Probability (order doesn't matter) P_k (= binomial probability of k successes in n trials p = probability of a success $-p$ = probability of failure k = number of successes n = number of trials. Independent Events. $P(A \text{ and } B \text{ and } C) = P(A)$.

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Apparent power Average load Battery capacity
Capacit... Amps from HP ... Electrical Engineering
involves the study of physical c... About & Social.

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Electrical Formulas Excel Sheet | Electrical Academia
You can calculate the low and high timing intervals using the formulas that follow: About the Book Author Cathleen Shamieh is an electrical engineer and a technical writer with extensive engineering and consulting experience in the fields of medical electronics, speech processing, and telecommunications.

Electronics For Dummies Cheat Sheet - dummies
Laplace Transform Full Formula Sheet. Laplace

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transform is the method which is used to transform a time domain function into s domain. While Laplace transform is a handy technique to solve differential equations, it is widely employed in the electrical control system and modern industries. Today Electrical Engineering XYZ shares the Laplace transforms full formula sheet.

Laplace Transform Full Formula Sheet

Electrical tools (MS Excel Spreadsheets) This section is dedicated to tools every electrical engineer can use in daily work. These spreadsheets below will make your job much more easier, allowing you to shorten the time used for endless calculations of cables, voltage drop, various selections of circuit breakers, capacitors, cable size and so on.

Electrical MS Excel Spreadsheets

Electrical engineering is an ever growing field, with more and more new developments in emerging technologies each year. With the growth of robotics and electric powered vehicles, the scope for electrical engineering is huge. Employment in electrical engineering is expected to grow rapidly in the next few years alongside these new technologies ...

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