

3 Phase 240 Volt Motor Wiring Diagram

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3 Phase 240 Volt Motor

Motor AMP Draw and Required Breaker Single Phase Full ...

volt Single Phase Start Up AMPS: 208/230 volt Breaker Size Three Phase Full Load Running AMPS: 208/230 volt Three Phase Start Up AMPS: 208/230 volt Breaker Size Three Phase Full Load Running AMPS: 460/480 volt Three Phase Start Up AMPS: 460/480 volt Breaker Size Motor HP 2 10 20 N/A 3 15 30 N/A 5 24 48 40 13 26 20 6 12 15 7 32 64 50 18 36 30 9 18 15 ...

SPECIFIER GUIDE INTRODUCTION - Baldor

Generally available power supply voltages for single phase are 120 volt and 240 volt 120 volts is generally used on motors no larger than 1/3 horsepower Three phase voltages generally available are 208 volt, 240 volt, 480 volt and 600 volt Since there is a voltage drop between the power source and the electric motor, the single phase motors are rated either 115 volt or 230 ...

Motor Current Rating Chart - Sprecher + Schuh

For more reliable motor protection, use the actual motor current as listed on the motor nameplate Use this table as a guide only Horsepower 60 Hz AC Induction Motor Single Phase Three Phase 115 Volt 230 Volt 200 Volt 230 Volt 380-415 Volt 460 Volt 575 Volt 1/6 44 22 ~ ~ ~ ~ 1/4 58 29 ~ ~ ~ ~ 1/3 72 36 ~ ~ ~ ~ 1/2 98 49 25 22 13 11 09

Heavy Duty Safety Switch Standards and Ratings

23/07/2019 · 1-Phase, 2-Wire 3-Phase, 3-Wire Std Max Std Max Std Max Std Max 600 Volt Fusible 2-Pole, 2-Fuse 480 Volt AC/600 Volt AC/600 Volt DC 0030 HF261 015 HF261R 015 03 07 1/2 — — 03 10 — — 05 15 0060 HF262 020 HF262R 020 05 20 — — 10 25 — — 10 30 0100 HF263 026 HF263R 027 10 30 — — 15 40 — — 20 50 3-Pole, 3-Fuse 480

Maytag Dryer Specifications

MOTOR: 1/4 HP, 120 volt, 60 Hz, single-phase, thermally protected against overload, auto-reset EXHAUST: Use a minimum of 4" (102 cm) diameter rigid aluminum or galvanized steel duct Never use plastic, nonmetal or combustible duct L SERIES HEAT SOURCE/ELECTRICAL REQUIREMENTS: Electric model— 5,300 watt nichrome helix coil; 240 volt, AC, 60 Hz; 30 ...

10 UL/CSA Top Access Wiring (15kVA) Completely Enclosed ...

Load is a 3-phase induction motor, 25hp @ 240V, 60Hz and a heater load of 4kW @ 240V single phase The supply voltage is 480Y/277, 3-phase, 4 wire Answer: Compute the kVA required Motor—From Table 2 the current is 68A 240V x 68A x 173 = 282 kVA 1000 (The kVA can also be obtained from Table 3) Heater - 4kVA A 3-phase transformer must be selected so that ...

Acme Electric Full Line Product Catalog - Dry-Type ...

single phase, 3 kVA and larger three phase can be reverse connected without any adverse effects or loss in kVA capacity The reason for this limitation in kVA size is, the turns ratio is the same as the voltage ratio Example: A transformer with a 480 volt input, 240 volt output— can have the output connected to a 240 volt source and thereby become the primary or input to ...

Parts list and Notes for making a 10 hp 240V single phase ...

Parts list and Notes for making a 10 hp 240V single phase to 240V 3-phase converter Introduction: This document describes typical parts and a schematic for building a single to three phase rotary converter The parts listed were taken from the 1996 Grainger catalog #387 for convenience and having a point of common reference Equivalent surplus parts can be used ...

Basic Electrical Power Fundamentals

120/240 volts 3 phase 115/230 volts = 115/230 KV 277/480 volts 3 phase 265/460 volts = 265/460 KV 115/200V WYE SYSTEM, "Y" _____ Wild Leg-208 volts to neutral Do not use L2 to neutral for 1 pole breakers, will supply 208 volts Only L1 and L3 can be used for 115 volts 115/230 V, 3 phase DELTA SYSTEM, Y 6/14/02 Chapter 2: Basic Electrical Power ...

Chapter 4 NEC & NEMA Standards 1

for 120/240-Volt, 3-Wire, Single-Phase Dwelling Services and Feeders Conductor Types RHH, RHW, RHW-2, THHN, THHW, THW, THW-2, THWN, THWN-2, XHHW, XHHW-2, SE, USE, USE-2 Conductor (AWG or kcmil) Copper Aluminum or Copper-Clad Aluminum Service or Feeder Rating (Amperes) 4 2 100 3 1 110 2 1/0 125 1 2/0 150 1/0 3/0 175 /042 3/0 250 225 4/0 300 ...

Jefferson Electric Buck-Boost Transformers

- Motor applications (not motor control circuits per NFPA 79 9111) connected to boost a 208-volt supply to 240 volts The autotransformer is provided with a two-pole disconnect switch with both overcurrent devices (OC-1a and OC-1b) located on the supply side of the autotransformer Fusing Buck-Boost Transformers Courtesy of NFPA, from 2008 Handbook ...

Short-Circuit Current Calculations - Eaton

Utility voltages may vary $\pm 10\%$ for power and $\pm 58\%$ for 120 Volt lighting s er v icT hf o ,g tu ndm lpy a step3b y1 o r058 c iv IT f ndh w a ,m u step 3 by 9 or 942 respectively Note 4 Motor short circuit contribution, if significant, may be added at all fault locations throughout the system A practical estimate of motor short circuit contribution is to multiply the total motor

MOTOR PROTECTION TABLES - Littelfuse

Motor Protection uide Using AC Motor Protection Tables to Select Fuse Ratings Time-delay RK1 and RK5 fuse ratings selected in accordance with the following recommendations also meet NEC ® MOTOR SERVICE requirements for Motor Branch circuit and Short-Circuit Protection Selecting

Fuses for Motor Running Protection Based on Motor Horsepower Motor ...

1) What is a transformer and how does it work?

phase, 15 KVA and larger three phase can be reverse connected without any adverse affects or loss in KVA capacity The reason for this limitation in KVA size is, the turns ratio is the same as the voltage ratio Example: A transformer with a 480 volt input, 240 volt output - can have the output connected to a 240 volt source and thereby become the

Sizing Transformers - Dongan

Volt Amperes 1000 100 Three Phase kVA = Load Voltage x Load Amps x 173 VA = kVA x 1000 1000 Transformer Load expressed in kVA: Select the appropriate size from the selection charts Be sure to select a transformer kVA rating equal to or greater than the anticipated con-nected load Transformer Load expressed in wattage: Convert wattage into a kVA rating by using the ...

GA800 Selection Guide - Yaskawa

Table 1: Three-Phase, 240 Volt IP20 Drives - 1 to 150 HP Normal Duty Output1 Heavy Duty Output 1 Standard IP20 Drives 2 Flange (Type 12 backside)3 HP Amps HP Amps Catalog Code GA80U Catalog Code GA80U 1 42 075 35 2004ABM 2004AWM 15 6 1 5 2006ABM 2006AWM 2 8 15 69 2008ABM 2008AWM 3 96 2 8 2010ABM 2010AWM 4 122 3 11 ...

Step by Step Wiring Procedures - GEM REMOTES

2 Place Motor Black on pin 4 3 Move Motor Blue jumper from pin 4 to pin 5 4 GEM Orange is on pin 2!!!! 5 Move Motor White from pin 1 to 3 Regal Beloit's AO SMITH 120/240VAC Wired at 240VAC 5 1 GEM White GEM Red GEM Black L1 4 L2 Blue Jumper From Motor Windings Motor Blue Motor Orange Motor White Motor Red* Motor Black* Motor Yellow

ENGLISH Getting Started With ATV320

Set motor parameters for asynchronous motor (3) • Refer to the motor Nameplate for the following parameters settings (3)for synchronous motor, consult the ATV320 Programming manual (NVE41295) on www.schneider-electric.com

Sizing a Generator for a Specific Electric Motor Load, or ...

KILO-VOLT-AMPS KVA VOLTS X AMP / 1000 VOLTS X AMPS X 173 Sizing a generator for single phase motor starting LRA : The formula is: Motor HP x KVA per HP x (1000 / Motor Voltage) = LRA Example: A 3/4 HP, Code L motor connected to 240 Volts, requires what LRA? Refer to Chart A, and find Code L Always use the largest KVA/HP number, so select 99 The ...

Overload Relay Heater Tables - Allied Electronics

208 Volt Full Load Amp P 230 Volt current u 110% 2-Phase FLA P 0866 u the 3-Phase FLA 2-Phase, 3-wire current in common wire P 141 u that in the other 2 lines 25Hz 1500 RPM, amps P amps of 60Hz, 3600 RPM 25Hz 750 RPM, amps P amps of 60Hz, 1800 RPM Service factor 10 P amps u 09 50°C-55°C motor P amps u 09 Full Load Current (60Hz) Hp 115 Volts 230 Volts ...