

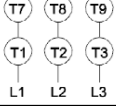
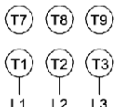
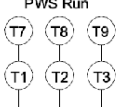







# NAE Nameplate Explanation

This nameplate is used for reference only.

<b>Row 1</b>			AC INDUCTION MOTOR INVERTER DUTY 20:1 VT; 10:1 CT						CONNECTION DIAGRAMS		
<b>Row 2</b>	CAT NO. PE447T-200-4		FRAME 447T		PHASE 3			Across The Line 			
<b>Row 3</b>	HZ 60 S.F. 1.15	HZ 50 S.F. 1.0	ENCL TEFC IP 55					PWS Start 			
<b>Row 4</b>	HP 200 RPM 1790	HP 200 RPM 1488	DUTY CONT DES B					PWS Run 			
<b>Row 5</b>	VOLTS 460		VOLTS 380		AMB 40 °C INS F						
<b>Row 6</b>	AMPS 220		AMPS 270		DE BRG NU319 ODE BRG 6318						
<b>Row 7</b>	CODE G P.F. 0.87	CODE F P.F. 0.88	LUB: Mobil Polyrex EM								
<b>Row 8</b>	EFF 96.2 MIN 95.4	EFF 95.0 MIN 94.2	CONNECTION 6 Lead Δ		SER NO						
<b>Row 9</b>	MOTOR WEIGHT 1890 LBS										
<b>Row 10</b>	General purpose use on industrial machinery installed in damp, dusty or dirty environments. Hernando, Mississippi								CC082A		

Connection Diagram: Shows how to connect power to the motor.

The sections highlighted in red and blue display the same type of information, but apply to different countries. The red section is most common for U.S. operation, while the blue is more common in European countries.

## Row 1 Left to Right

NAE logo: Indicates which company produced the motor.  
 AC Induction Motor: Type of Motor.  
 NEMA Premium: Indicates that the motor meets premium efficiency standards set by NEMA.

## Row 2 Left to Right

CAT NO./Category number: The motor's model number.  
 Frame: Size and mounting of the motor.  
 Phase: Indicates that the motor is connected to 3 live conductors.

## Row 3 Left to Right

HZ/Hertz: Input frequency of power supply. Number of cycles in a time period. (typically 1 second)  
 S.F./Service factor: Indicates the percentage of the stated horsepower the motor can safely operate at.  
 ENCL/Enclosure: Indicates the protection level the motor has.  
 IP/Ingress Protection: Protection of the enclosure to solids and liquids, defined by IEC 34-5.

## Row 4 Left to Right

HP/Horsepower: Indicates the horsepower, which measures the motors mechanical output or power.  
 RPM/Revolutions per minute: Describes the motor's speed.  
 Duty: Indicates how long the motor can operate safely.  
 DES/Design: NEMA Design letter.

## Row 5 Left to Right

Volts: Voltage rating of the motor at the operating frequency.  
 AMB/Ambient Temperature: Allowable surrounding air temperature.  
 INS/Insulation: Insulation Class.

## Row 6 Left to Right

AMPS: The current load the motor can carry for an undefined amount of time.  
 DE BRG/Drive end bearing: Bearing type and model number.

## Row 7 Left to Right

Code: KVA electric motor code.  
 P.F./Power factor: True power compared to apparent power.  
 ODE BRG/Opposite Drive end bearing: Bearing type

## Row 8 Left to Right

EFF/Full load efficiency Output power divided by input power at the full load specified.  
 MIN/Minimum efficiency: Lowest efficiency at rated load.  
 LUB/Lubricant: Lubricant type required for the motor's bearings.

## Row 9 Left to Right

Motor Weight: The weight of the motor in pounds.  
 Connection: The way the motor is wound internally.  
 SER NO/Serial number: number specific the date of manufacture. Specific to one motor.

## Row 10 Left to Right

Description: Operational environment(s).  
 ISO Mark: Shows that the organization meets the international standard for a quality management system (QMS).  
 CE Mark: Shows that the motor complies with European Low Voltage Directive.  
 CSA Mark: Certified by the Canadian Standards Association with the file number listed below.  
 CC#: Compliance Certification number assigned by the Department of Energy. Indicates that this motor meets the EPAAct.