

Horizontal Electric Motor Quick Application Data Sheet

Successful motor operation, performance, and life is critically dependent on understanding all application and environmental conditions. The information below is a basic starting point and depending on data provided follow-up questions may occur.

* Fields in red must be completed before submitting.

Customer*	
Contact*	
Phone/Email*	
Application*	<i>Please describe in detail what motor is expected to do and machinery its operating?</i>
Quantity*	
Opportunity Description	<i>Please frame the opportunity: Budget for next year, replace failed unit, repair vs replace exercise, new installation, timing, spare, etc.</i>
Existing Motor Brand, Model and Serial Number	<i>Existing motor data sheet, drawings, or your company specification requirements.</i>
Application Failure History	
Destination Country*	

MAIN INFORMATION

Power Rating*

HP kW

Frame Size*

NEMA IEC

Service Factor*

1.00 1.15 Other: _____

Synchronous or Full Load Speed*

_____ RPM

Motor Type: Induction (Squirrel Cage)
Slip Ring (Wound Rotor) Synchronous

Nameplate Voltage/Ph/Hz Rating*

_____ Volts _____ Phase _____ Hertz

Enclosure*

TEFC (IC411)	TEPV(1C511)
TENV (IC410)	TEAAC (IC611)
TEAO (IC417)	WP-II (IC01)
WPI (IC01)	TEWAC (IC81W)
ODP (IC01)	TEBV (IC416)
	Other: _____

NEMA Design*

A B C Other: _____

Maximum Ambient Temperature _____ °C
(40°C is standard)

Elevation _____ ft. (3300 ft. is standard)

Starting Method

- PWM (Pulse Width Modulated)
Chopping Frequency _____ Hz
- Soft Starter
- VFD
- Auto-transformer (Tabs/time): _____
- Direct Outline
- Other: _____

Connection

- Part Winding Start
- WYE-start Delta-run
- WYE
- Other: _____

Area Classification

- Safe Area
- Class 1 Division 1
- Class 1 Division 2
- Hazardous location info:

Special

Starting Torque (LRT) _____ %
Max torque (BDT) _____ %

Ingress Protection

IP _____

APPLICATION INFORMATION (IF AVAILABLE)

Load Type

VT: Variable Torque CHP: Constant Horsepower
C CT: Constant Torque Other: _____
Attach Speed Torque Curve if available:

Load Inertia

_____ lb-ft² at the motor shaft

Load Connection

Direct Drive Belt Drive (Complete Data Sheet)

Insulation Type / Temperature Rise

- H/B Rise
- H/F Rise
- F/B Rise
- F/F Rise

Continuous Overload

115% (1.15 Service Factor or Inverter)
Other _____%

Speed Range, Above Base Speed (If available)

Top rated _____ RPM

Mounting Options – Horizontal

- C Face, Footed Frame
- C Face, Footless Round
- D Flange, Footed Frame
- D Flange, Footless Round

ACCESSORIES

Shaft Accessories

Special Shaft Extension and/or Material
Description _____
 Inpro Seal ® DE ODE

Bearings Information & Type

DE ODE
 Roller
 Sleeve
RTD _____ Ohms
Thermocouple type _____
Insulate Bearing
Shaft Grounding Ring Yes No
Shaft Grounding Brush Yes No

Winding Protection

RTD _____ Ohms Quantity _____
Thermocouple Type _____ Quantity _____
Thermistor Relay Voltage _____ Volts
Quantity _____
Thermostat Normally Open Normally Closed
Quantity _____

Conduit Box

Location F1 F2
Size: Standard Oversize
 Waterproof Conduit Box
 Additional Accessory Condulet

Space Heater

Standard Thermostatically Controlled
Relay Voltage _____ Volts
 Single Voltage Dual Voltage

Additional Nameplate Requirements

Specify:

Paint

Epoxy Modified Polyester 3-part Carboline
 Polyurethane
 Other: _____
 Standard Color Special Color

Color: _____

Tachometer Options

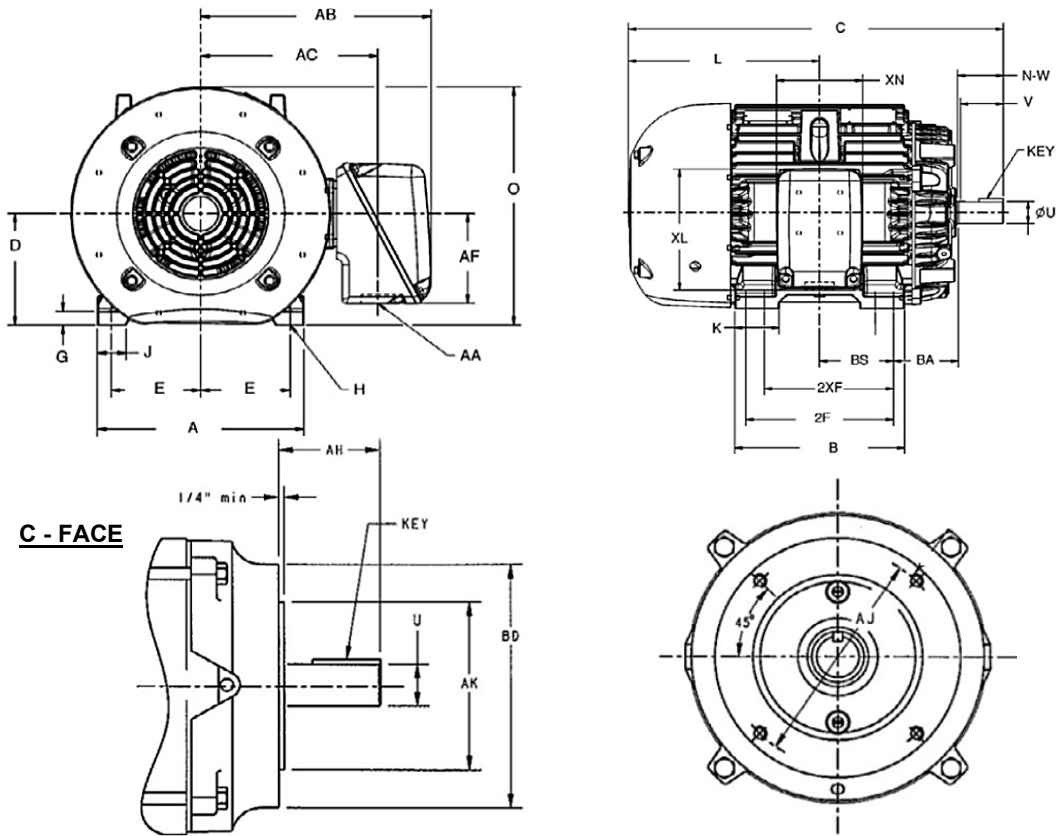
Brand & Type _____
Pulse / Revolution _____
Output _____

Brake Options

Enclosure: NEMA 1 NEMA 4 Division 1
Brake Torque, Continuous: _____ (LB-ft /N-m)
Brake Voltage: _____ Volts, _____ Hz

ADDITIONAL FEATURES, MODIFICATIONS OR SPECIAL COMMENTS

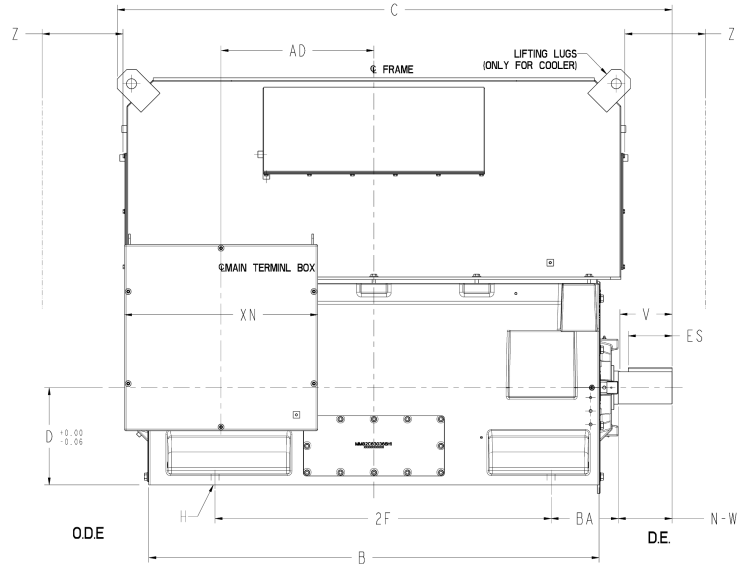
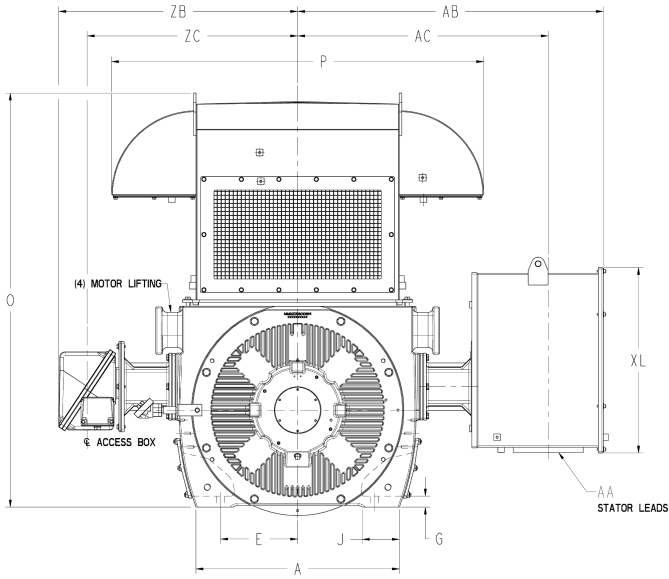
APPLICATION MOTOR DIMENSIONS



DIMENSION	MEASUREMENT	DIMENSION	MEASUREMENT
AB		W	
AC		V*	
O		U	
AF		BA*	
AA		BS	
H		2XF	
A		2F*	
E*		B	
J		K	
G		XL	
D*		AH	
L		U*	
C		AK	
XN		BD	
N		AJ	

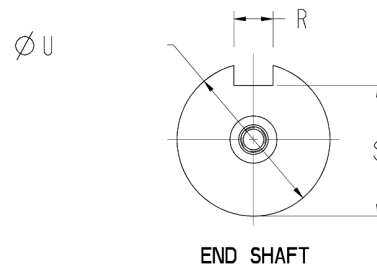
*Indicates min required data

APPLICATION MOTOR DIMENSIONS



DIMENSION	MEASUREMENT	DIMENSION	MEASUREMENT
A*		B	
E*		H*	
J		2F*	
G		BA*	
AA		N-W*	
XL		ES	
AB*		V*	
AC*		Z	
P		C*	
ZB*		AD	
ZC		XN	
O*		D*	

*Indicates min required data



END SHAFT

Please send completed Application Form to contact@wolongamerica.com or your assigned inside sales representative.

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