

EXP-MTR-1P-115-0.33HP-1.8K-56C-M1

1/3 HP Explosion Proof Motor - Class I, II - 115V 1PH 60 Hz - 1725 RPM - C Face Mount - T3B

Product ID: 243806



Larson Electronics LLC manufactures a wide variety of products, including custom built to spec designs. The pictures displayed for this unit are a general representation of form factor for the product line and may not accurately represent this exact configuration in every detail due to custom builds and changes between similar products in our standard catalog. The specifics for this configuration are listed in the specification table and supporting documentation (CAD files, Dimensional Drawing, Name Plate Diagram, Wiring Diagram, etc.). This means that specific details (receptacles, plugs, wires, connections, mounting brackets, external finishes, etc.) may not be accurately represented in images vs specifications. Please review specifications and do not order based solely on images.

EXP-MTR-1P-115-0.33HP-1.8K-56C-M1 Explosion Proof Motor

Dimensions: 11.79" x 6.98" x 6.92"

Weight: 25 lbs

Phase: Single Phase

Voltage: 115V AC

Frequency: 60 Hz

Poles: 4

Output Horsepower: 1/3 HP

Kilowatt: 0.25 KW

Rotations per Minute: 1725 RPM

Torque: 0.991 lb. ft.

Locked Rotor Torque: 360%

Break Down Torque: 260%

L.R. Time: 13s

Inertia: 0.01709 sq. ft. lb.

Motor Frame: NEMA 56C

Full Load Amps: 6 FLA

No Load Current: 4.80A

Locked Rotor Current (I_L/I_n): 4.6

Efficiency: 59.8 (100%), 55 (75%), 47 (50%)

Power Factor: 0.65 (100%), 0.55 (75%), 0.47 (50%)

Service Factor: 1

Insulation: Class F

Noise: -

Ratings

Listed for United States & Canada

Class I, Divisions 1&2 Groups C,D

Class II, Divisions 1&2 Groups E,F,G

T3B Temperature Rating

IP55

TEFC Cooling

Aluminum Endshields

Special Orders - Special Requirements

Ambient Temperature Rating: 50°C

Materials: Aluminum

Mount: C Face Flange

Wiring: 24" (+2/-0) Leads

Color: Black

Contact us for special requirements

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The Larson Electronics EXP-MTR-1P-115-0.33HP-3.6K-56C-M1 Explosion Proof Motor is recommended for use in Class I, Divisions 1 & 2 Groups C, D and Class II, Divisions 1 & 2 Groups E, F, G rated work sites. The 1/3 HP unit is compatible with 115V AC single phase 60 Hz and offers 6 FLA. This Class F insulation rated explosion proof motor features a NEMA 56C motor frame and can be installed with industrial systems via a C-face flange.

The EXP-MTR-1P-115-0.33HP-3.6K-56C-M1 is a fractional explosion proof motor for flammable work sites. This thermally protected unit operates with 115V AC single phase 60 Hz. The 1/3 HP motor offers 6 full-load amps and 4.80 amps of no-load current. Capable of generating 1,750 RPM, the unit provides 0.991 lbs. ft. of torque, with 360% locked rotor torque and 260% break down torque. This motor is totally enclosed and fan-cooled (TEFC).

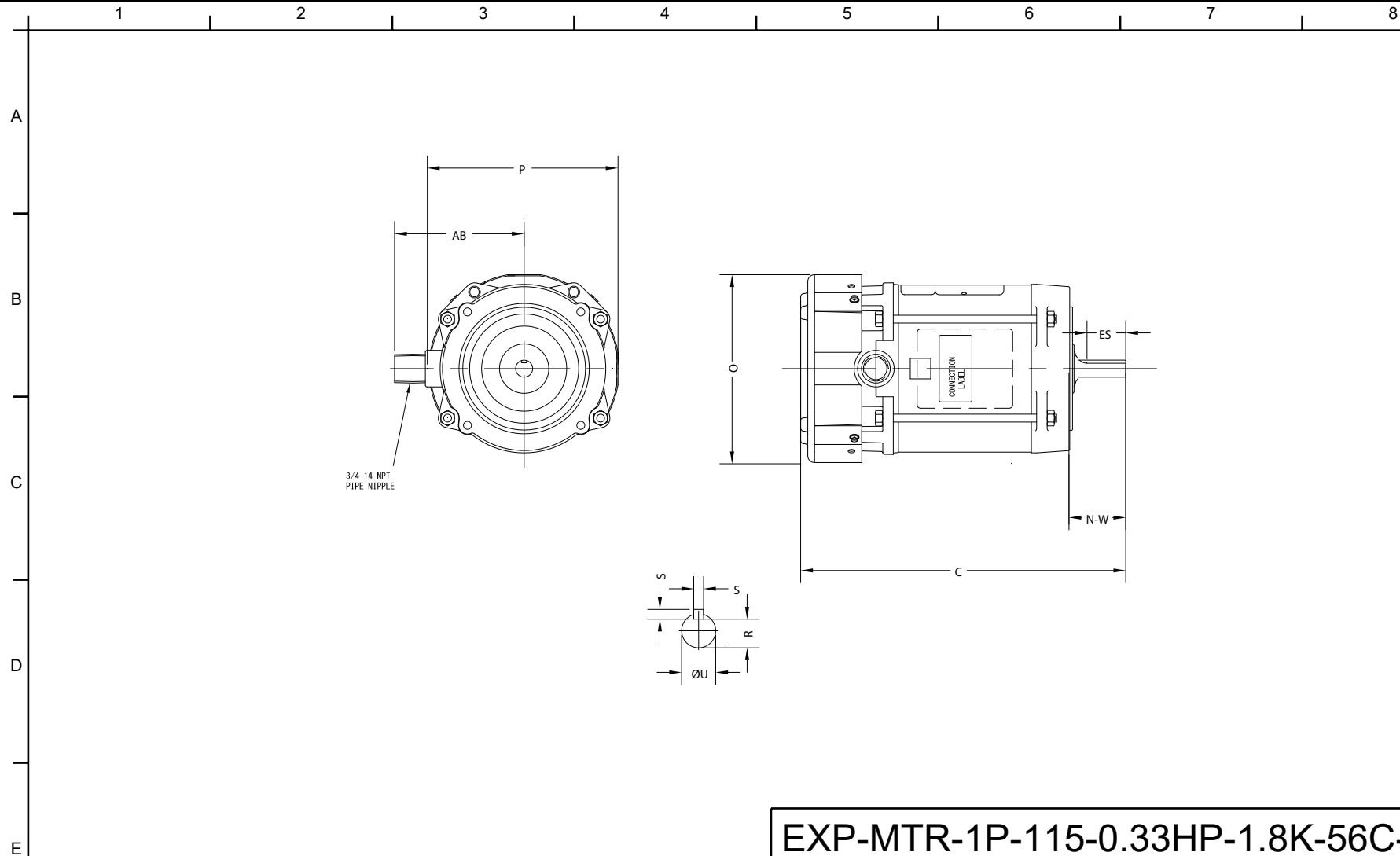
The IP55-rated explosion proof motor features an ambient temperature rating of 50°C. Equipped with aluminum endshields, this unit is protected by a NEMA 56C motor frame and features Class F insulation, with 1.0 service factor.

Wiring: The EXP-MTR-1P-115-0.33HP-3.6K-56C-M1 comes with 24" of +2/-0 leads for electrical connections and an unassembled aluminum conduit box.

Mount: The EXP-MTR-1P-115-0.33HP-3.6K-56C-M1 contains C-face flange. The face of the motor features threaded mounting holes for ease of installation.

Applications: Hazardous locations, industrial facilities, pumps, mixers, conveyors, manufacturing, food processing, chemical plants and more.

At Larson Electronics, we do more than meet your lighting needs. We also provide replacement, retrofit, and upgrade parts as well as industrial grade power accessories. Our craftsmen can custom build any lighting system and/or accessories to fit the unique demands of your operation. A commitment to honesty, quality, and dependability has made Larson Electronics a leader in the lighting and electronics business since 1973. Contact us today at 800-369-6671 or message sales@larsonelectronics.com for more information about our custom options tailored to meet your specific industry needs.



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Performed by:

Checked:

Customer:

Single-Phase: Fractional Explosion Proof Motors

Single-phase induction motor

Frame 56 - IP55



2E	A	P	AB	B
N/A	N/A	6.980	4.500	N/A
BA	U	N-W	ES	S
N/A	0.6250	1.880	1.380	0.190
R	D	O	H	C
0.517	N/A	6.920	N/A	11.790
d1				
SEM				



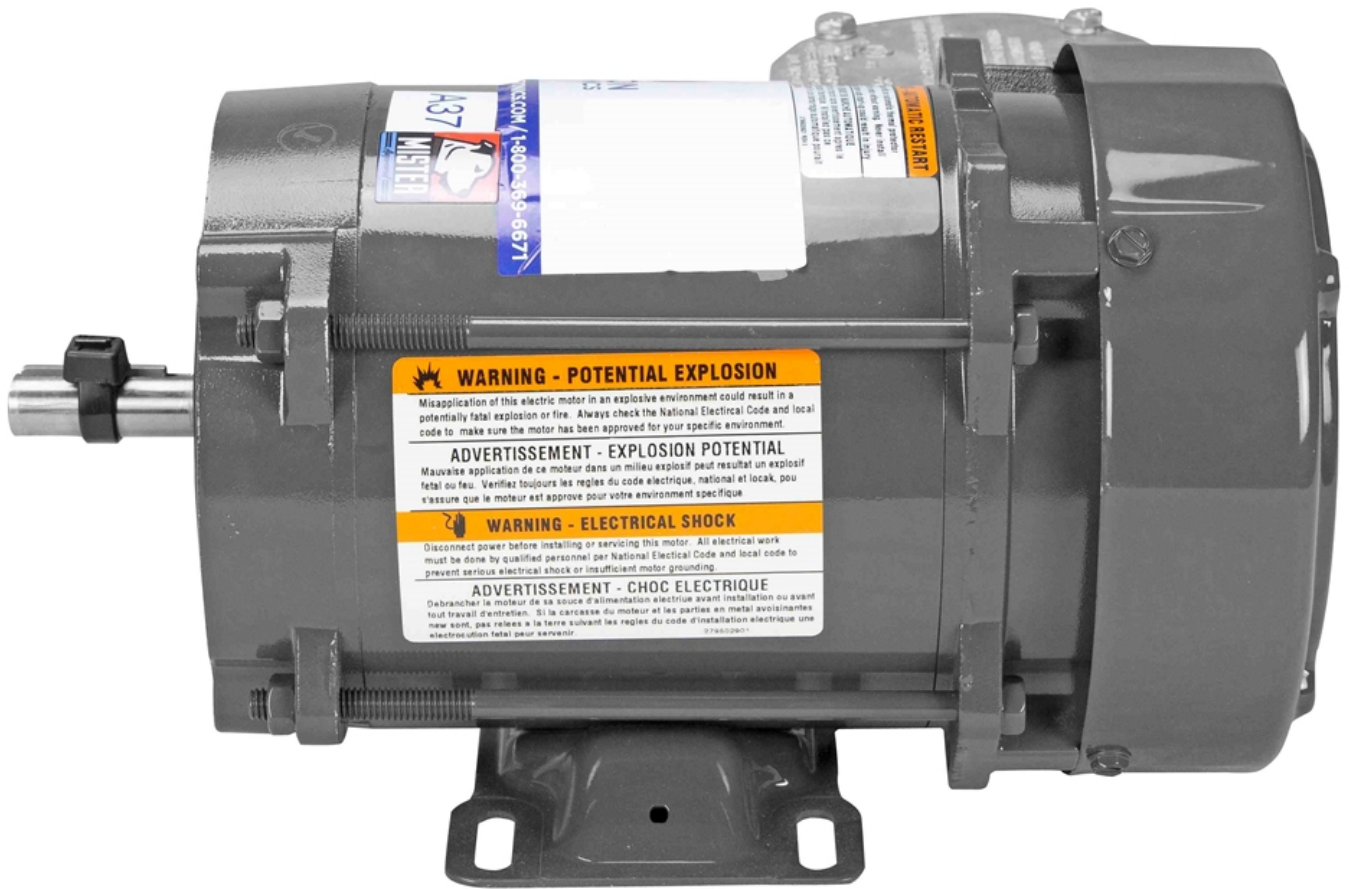


WARNING - POTENTIAL EXPLOSION
Misapplication of this electric motor in an explosive environment could result in a potentially fatal explosion or fire. Always check the National Electrical Code and local codes to make sure the motor has been approved for your specific environment.

ADVERTISSEMENT - EXPLOSION POTENTIAL
Mise en œuvre inappropriée de ce moteur dans un milieu explosif peut entraîner un risque potentiel de mort par explosion ou incendie. Vérifiez toujours les codes de l'électricité nationaux et locaux pour vous assurer que le moteur est approuvé pour votre environnement spécifique.

WARNING - ELECTRICAL SHOCK
CAUTION: When working on or near this motor, use proper safety practices. Always de-energize and lock out the motor before working on it. Only qualified personnel should perform electrical work on this motor.

ADVERTISSEMENT - CHOC ÉLECTRIQUE
ATTENTION: Lorsque vous travaillez sur ou près de ce moteur, utilisez des pratiques de sécurité appropriées. Débranchez toujours et bloquez le moteur avant de travailler dessus. Seuls le personnel qualifié doit effectuer des travaux électriques sur ce moteur.

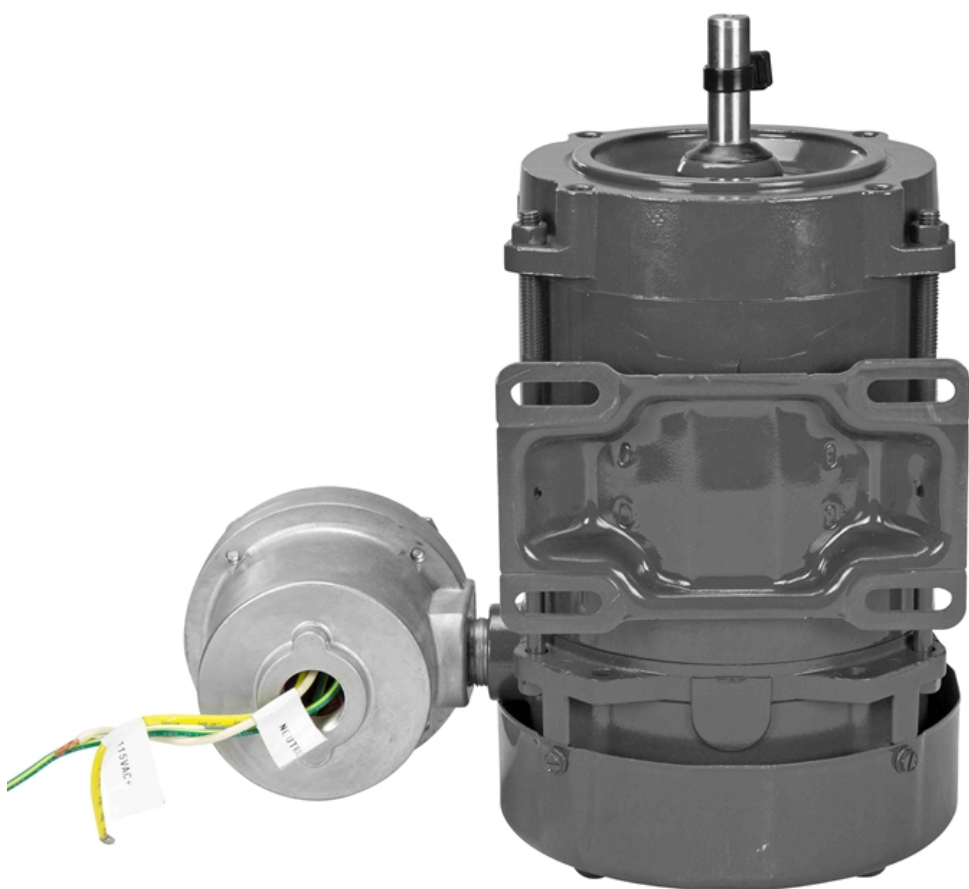


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ADVERTISSEMENT - EXPLOSION POTENTIAL
Mauvaise application de ce moteur dans un milieu explosif peut résulter d'un explosif fatal ou feu. Vérifiez toujours les règles du code électrique, national et local, pour s'assurer que le moteur est approuvé pour votre environnement spécifique.

WARNING - ELECTRICAL SHOCK
Disconnect power before installing or servicing this motor. All electrical work must be done by qualified personnel per National Electrical Code and local code to prevent serious electrical shock or insufficient motor grounding.

ADVERTISSEMENT - CHOC ELECTRIQUE
Débrancher le moteur de sa source d'alimentation électrique avant installation ou avant tout travail d'entretien. Si la carcasse du moteur et les parties en métal voisines ne sont pas reliées à la terre suivant les règles du code d'installation électrique une électrocution fatale peut survenir.



Frequently Asked Questions (FAQ)