

File E67399
Project 01NK10005

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REPORT

on

MOTORS FOR USE IN HAZARDOUS LOCATIONS

Flux-Gerate GmbH
Maulbronn, Germany

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DESCRIPTION

PRODUCT COVERED:

USL Model Nos. F 460Ex and F 460-1Ex portable electric pump motor for use in Class I, Groups C and D hazardous locations.

GENERAL:

These motors are fractional horsepower electric motors less than 7 in. in diameter and of free internal volume less than 65 in³.

ELECTRICAL RATINGS:

The models are rated as follows:

Horsepower (maximum):

Model F 460 Ex	0.63HP
Model F 460-1Ex	0.95HP

Maximum wattage input:

Model F 460 Ex	460
Model F 460 -1Ex	700

Maximum RPM

Model F 460 Ex	8.500
Model F 460-1Ex	9.500
Service factor	1.0
Duty	Continuous

Insulation class F

Max temperature rise, °C 144

at 40°C ambient

Voltage, ac 120

Current:

Model F 460Ex	4.4 A
Model F 460-1Ex	6.8 A
Frequency, Hz	60
Number of phases	1

ENGINEERING CONSIDERATIONS (NOT FOR FIELD REPRESENTATIVE'S USE):

USL - Indicates evaluation to UL 674, "Electric Motors And Generators For Use In Hazardous Locations, Class I, Groups C and D, Class II, Groups E, F and G."