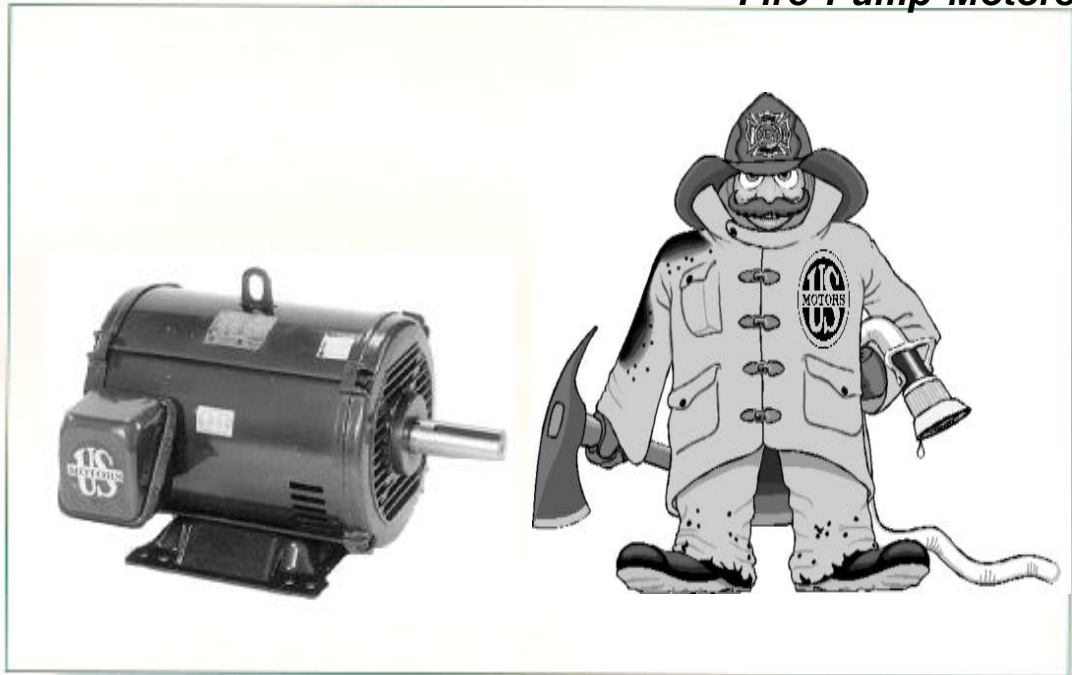
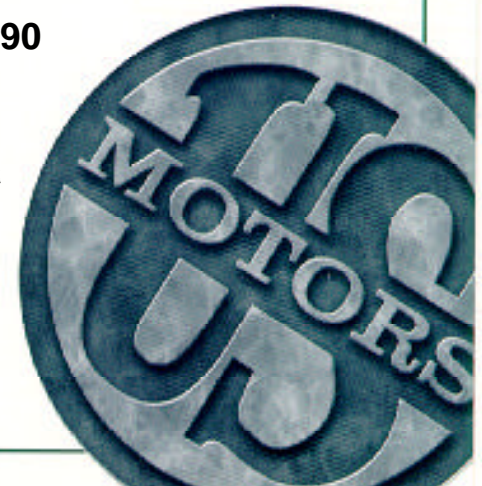


Product Data Sheet

Horizontal A.C. Motors *Open Dripproof Fire Pump Motors*



- Fire pump applications per NFPA 20 where contaminants are minimal
- 5-250 horsepower open dripproof, standard and energy efficient designs
- 180T - 320 T rolled steel frame construction, 360T - 440T cast iron frame construction
- All motors meet Canadian CSA-390 Table 2 efficiency requirements
- Motors are suitable for wye-delta start on 250 frame and larger
- Vertical JPV hp ratings
- Allguard Motor Quality System



Product Overview

U.S. Electrical Motors introduces a special three phase open dripproof motor which is UL listed for fire pump applications. These motors meet UL-1004A and NFPA20, "Standard for the Installation of Centrifugal Fire Pump Specification."

Fire pump motors are available in the open dripproof design, as well as FUT and UT (Aluminum frame TEFC Unimount), FCT and CT (Cast Iron frame TEFC Hostile Duty), TU, AU, RU and HU (Vertical motor designs), frames 143T through 449J.

These motors for fire pump applications meet the special design requirements listed below to qualify for U.S. Electrical Motors UL-listed fire pump ratings.

- All motors are designed to meet NEMA Design B limitations per NEMA MG1-1993.
- All motors are rated 500 horsepower or less and 600 volts or less.
- Calculated safe stall time exceeds 12 seconds (cold).
- All motors meet Canadian CSA-390 Table 2 efficiency requirements.
- Motors are suitable for wye-delta start on 250 frame and larger.
- Dual voltage ratings suitable for Part Wind Start (on low voltage) as well as 460 volt ratings on 125 horsepower and larger.
- All motors depict the UL file number Fire Pump tag , as shown below.

UL Listed
Fire Pump Motor
Control No. 55XL

E187977

412919

U.S. Electrical Motors was the first to market with a UL approved Fire Pump motor, meeting the requirements which became effective January 1, 1998. The following product definition covers three phase 140-440 frame open dripproof motors for fire pump service. Any feature not specifically described is per NEMA MG-1 standards.

Fire Pump Motor Agency Listings:

CSA.....Approved

UL.....Recognized construction
listed for fire pump service



Fire Pump Motors

World Motor & Standard Efficient Open Dripproof (types FD & FR, D & R)

Construction Materials:

Frame.....	Steel with welded base, 140 - 320 frame Cast iron 360-440 frame
End Bells.....	Aluminum on 140-250 Cast Iron, 280-440 frame
Conduit Box	Steel
Rotor	Die cast aluminum,
Stator.....	Electrical grade steel
Shaft.....	Carbon steel
Paint, primer.....	Cast iron parts only
Paint, Finish Coat.....	World Motor gray
Connection Diagram.....	Oversized mylar

Performance:

Duty Cycle.....	Continuous		
Service Factor:	60 Hertz	1.15	
	50 Hertz	1.0	50 Hz not available for std efficient
Temperature Rise.....	Class B @ 1.15		
Electrical Design.....	B		
Efficiency	Nominal	Per NEMA 12-10	For std efficient: Per current type
	Guaranteed	20% losses	

Conversion Kits:

C-Face.....	No
D-Flange.....	No
Brake.....	No
Space Heater.....	Yes
Canopy Cap.....	Yes



Emerson Motors

8100 West Florissant Avenue, St. Louis, MO 63136

WWW Home Page: <http://www.usmotors.com>



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