

# PUMP MOTORS

Polypropylene Tubesets

**F460-1 EX**



**F458-1 TEFC**

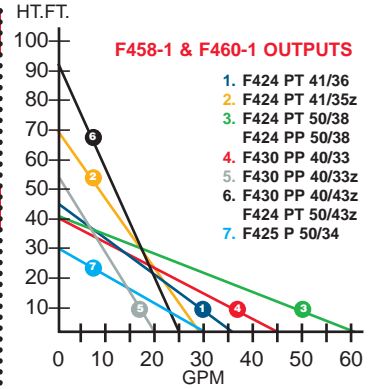


## F460-1 EX

RPM: 9,500. WT: 13 lbs. Heavy duty motor suitable for hazardous areas that do not require a UL rating. Built-in overload protection switch. Available in 120v or 230v AC, Max. Visc: 900 cP.

## F458-1 TEFC

RPM: 9,500. WT: 13 lbs. Totally enclosed fan-cooled. Heavy duty motor suitable for corrosive environments. Corrosion resistant coating. Splash-proof. Built-in overload protection switch. Available in 120v or 230v AC, Max. Visc: 900cP



**F410 EX. UL**



**F458 TEFC**

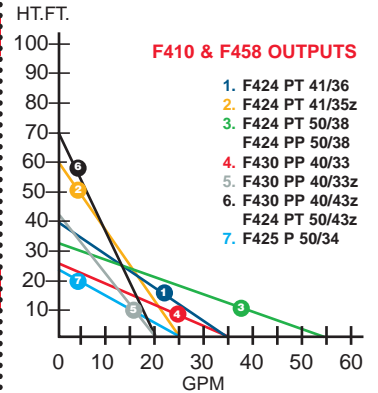


## F410 EX. UL

#E67399. class 1. Grp. C&D. RPM: 9,000, WT: 12.5 lbs. (230v available not UL listed) corrosion resistant coating. Will handle flammable liquids up to 450 cP. 410w. Commutator motor available in 115v. Has built-in overload switch with manual reset for safety to avoid danger of automatic restarting.

## F458 TEFC

RPM 8,500. WT: 11 lbs. Totally enclosed fan-cooled. Suitable for corrosive environments. Corrosion resistant coating. Splash-proof. Built-in overload protection switch. Available in 120v or 230v AC, Max. Visc: 800cP



**F416 AIR MOTOR**



**F416-1 AIR MOTOR**

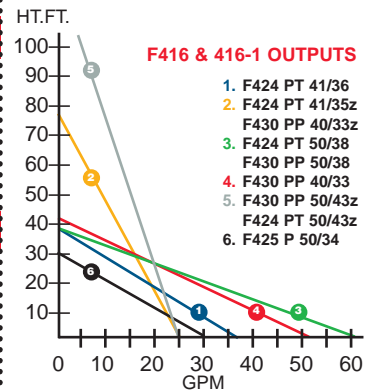


## F416 AIR MOTOR

WT: 3.5 lbs. Compressed air motor. Output 450w at operating pressure of 85 PSI. Air consumption 17 CFM. Built-in operating valve may be set for continuous or intermittent operation. Suitable for hazardous duty. Max. Visc: 1200cP. Muffler included.

## F416-1 AIR MOTOR

Wt: 2 lbs. Compressed air motor with 450w output at operating pressure of 85 PSI. Air consumption 17 CFM. Has connection for exhaust air hose or muffler. This motor is suitable for hazardous duty. Max. Visc: 1200cP. Muffler included.



**F417**



**F417 EL**

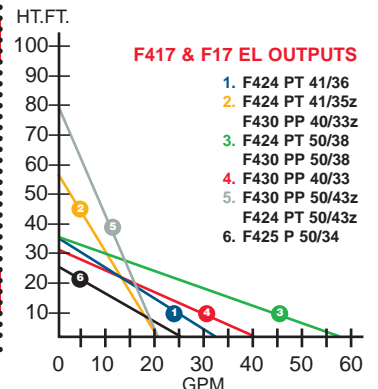


## F417

120v CSA listed. RPM: 8,500. WT: 5.5 lbs. Double insulated, splash-proof, commutator motor has built-in overload switch with manual reset for safety to avoid danger of automatic restarting. This motor has downdraft ventilation to stop fumes from entering motor while operating. Available in 120v or 230v AC, input 420w. Max. Visc: 600cP

## F417 EL

As above, but fitted with RPM controller





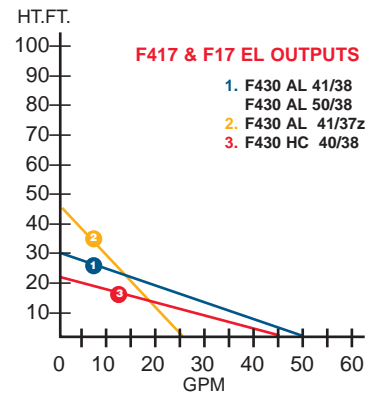
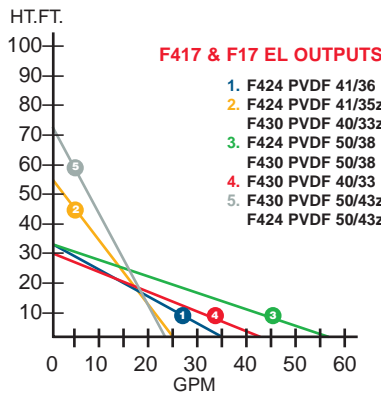
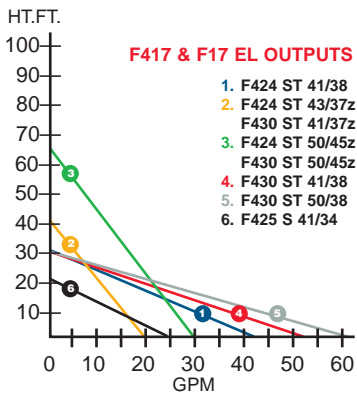
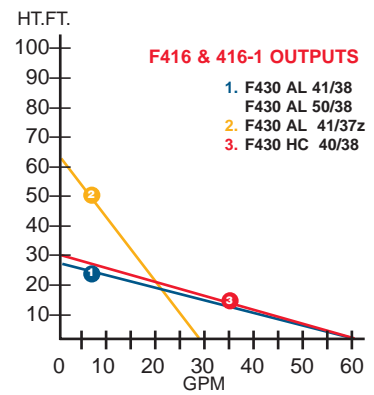
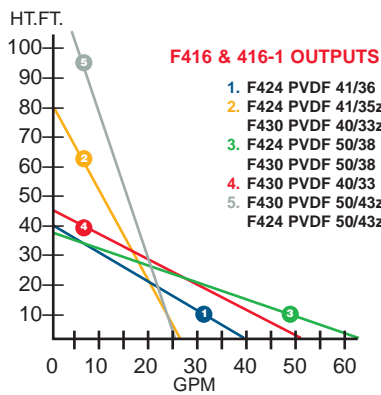
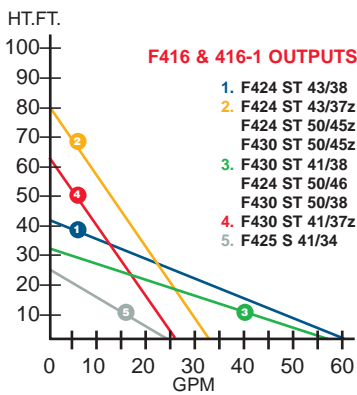
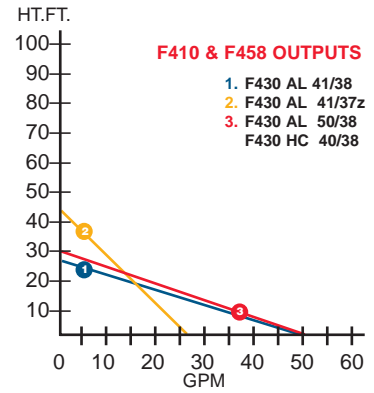
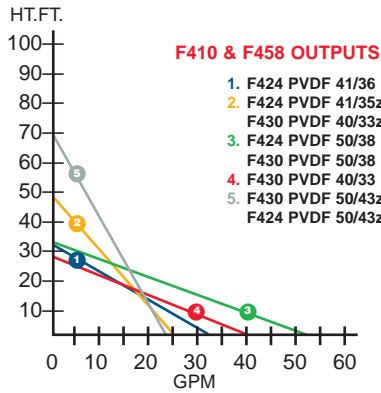
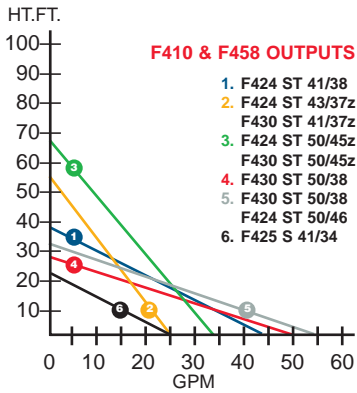
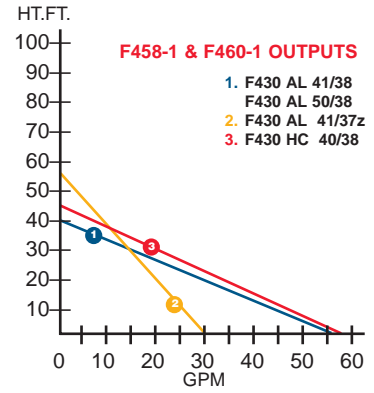
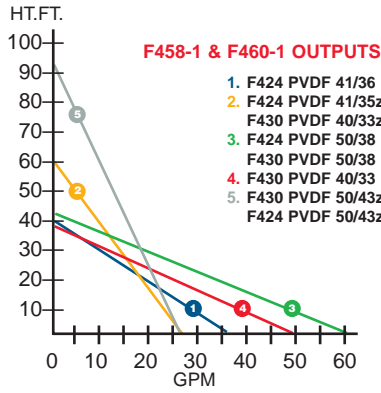
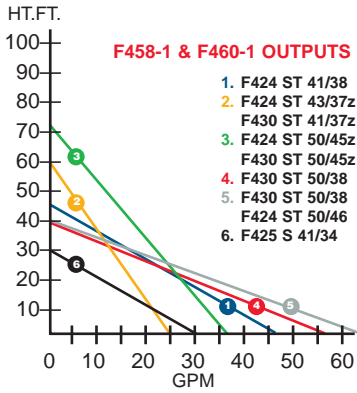
PROCESS EQUIPMENT INC.

ALL ELECTRIC MOTORS FITTED WITH 16 FT. POWER CORD.

Stainless Steel Tubesets

PVDF Tubesets

HC & Aluminum Alloy Tubesets



ALL OUTPUT GRAPHICS + - 10% Medium Used—Water; Ambient Temp Graphs Reflect Output With Free Discharge Opening

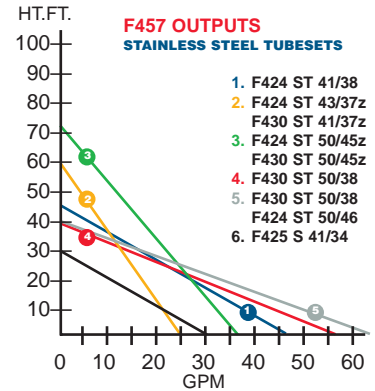
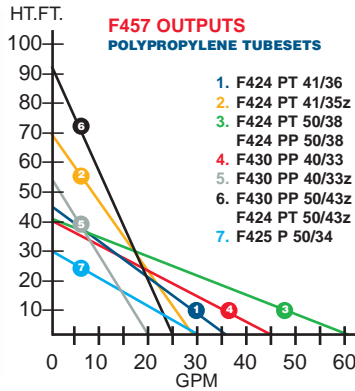
# PUMP MOTORS (CONTINUED)



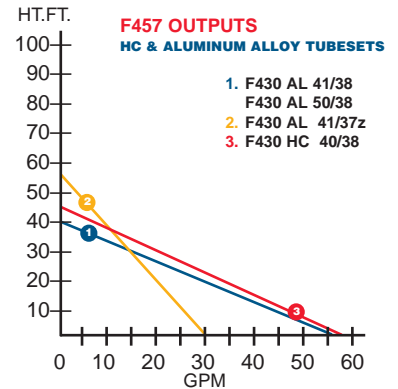
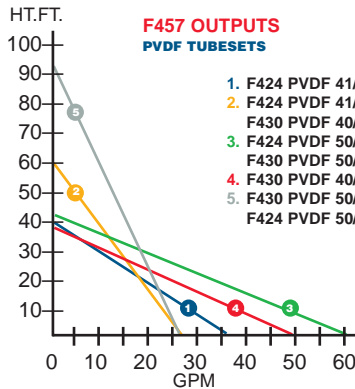
## F457 and F457EL

**F457:** RPM: 9,500. WT: 9 lbs  
Heavy duty, splash proof, double insulated motor has built-in overload switch with manual reset to eliminate accidental restarting. Available in both 120 and 220 volts. Max. Visc. 900cp.

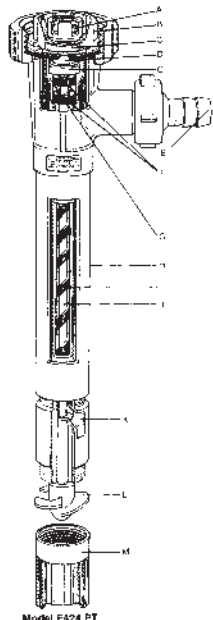
**F457EL:** As above, but fitted with RPM controller.



Also Available



## "THE INSIDE STORY"



- A.** Recessing the coupling in the top of the pump helps keep it out of harms way when the pump and motor are separated.
- B.** The removable inner tube assembly gives quick and easy access to the inner workings of the pump.
- C.** There are two heavy duty sealed ball bearings supporting the impeller shaft.
- D.** Spacer between the bearings helps dissipate heat.
- E.** Hose connections are available in 3/4", 1" and 1 1/4" sizes.
- F.** Two heavy duty Viton® radial shaft seals provide protection for the bearings.
- G.** The steel bearing and seal cup is molded into the inner pump tube assembly.
- H.** Pump tubes are available in polypropylene, PVDF, 316 stainless steel, Hastelloy C and aluminum.
- I.** This spiral bearing is designed to allow product to drain out of the tube and eliminate shaft wear.
- J.** Impeller shafts are made from Hastelloy C. (F424P / PVDF), a material chosen for its high strength and chemical resistance. Identical threads on either end of the drive shaft allow it to be inverted for longer life.
- K.** The lower bearing housing with its carbon insert and drain vent is replaceable. A Teflon bearing insert is also available.
- L.** A choice of high lift or high volume impeller of heavy duty Tefzel is available to suit particular applications.
- M.** The foot piece, which takes the most abuse of all the parts of the pump, is independently replaceable...