



# Liquid Pump

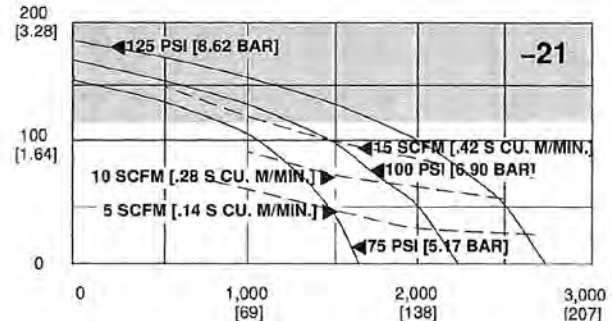
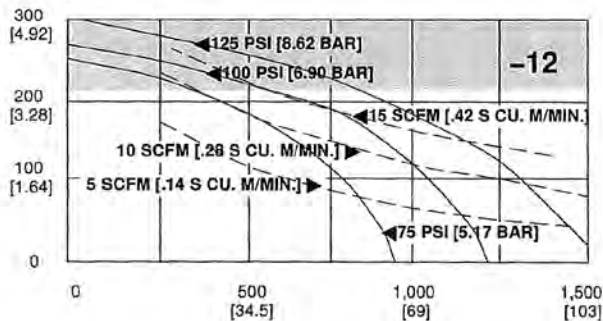
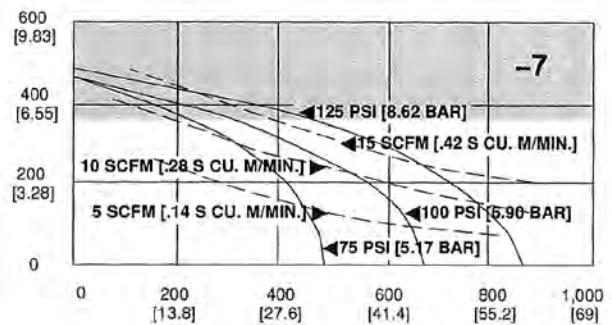
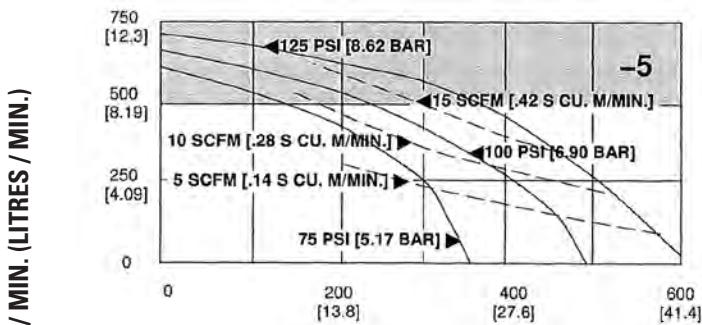
## Rapid Reference Guide

**PERFORMANCE • QUALITY • RELIABILITY**

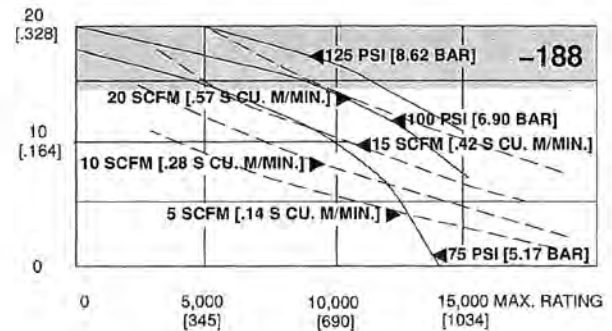
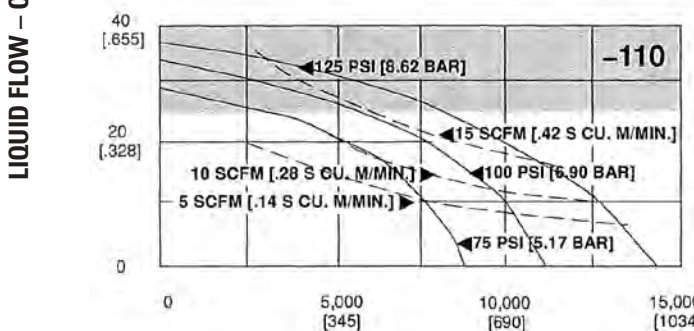
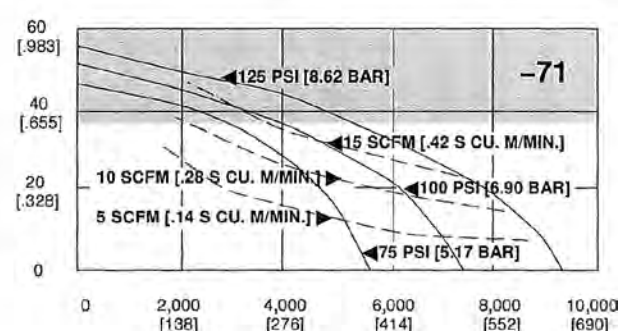
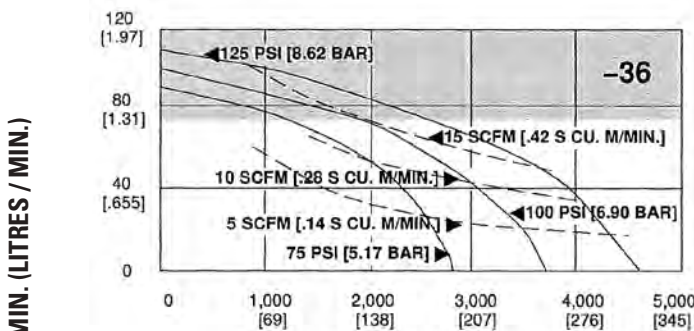
# Performance Curves 1/3 hp (.25 kW) Pumps

**AIR DRIVE PRESSURE (Solid curved lines) AIR DRIVE FLOW (Dotted curve lines)**

Shaded areas indicate excessive cycle rates and should be avoided except for intermittent duty.

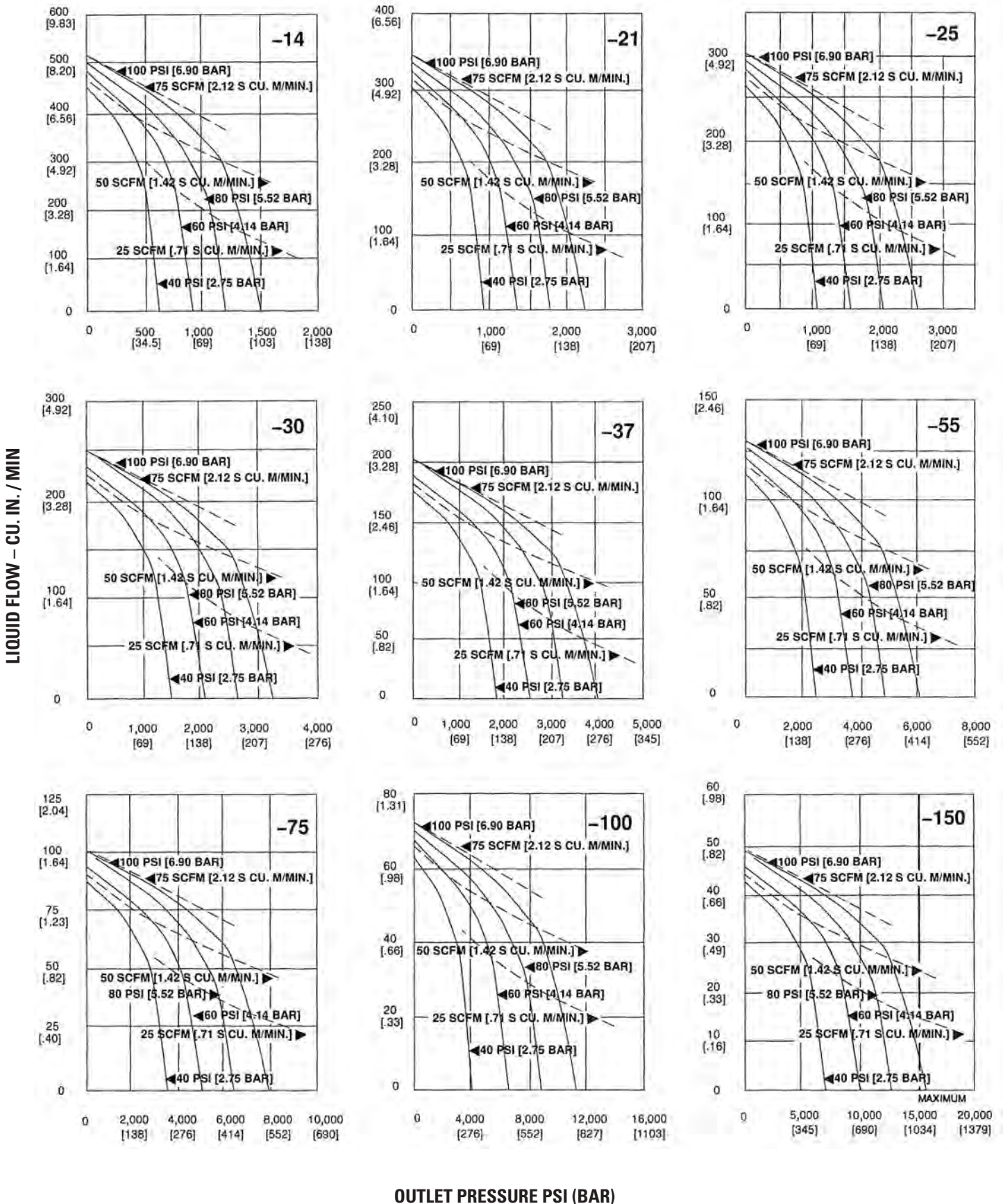


**OUTLET PRESSURE PSI (BAR)**



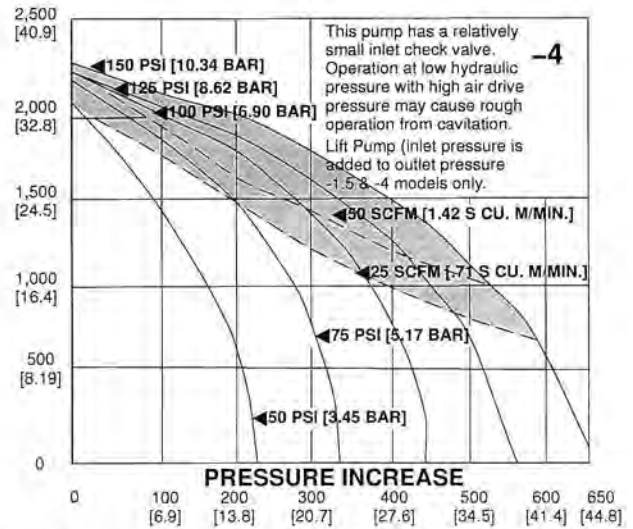
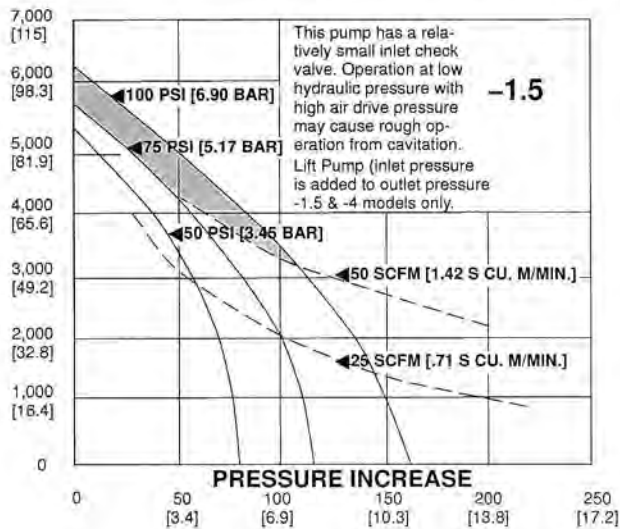
**OUTLET PRESSURE PSI (BAR)**

# Performance Curves 3/4 hp (.56 kW) Pumps

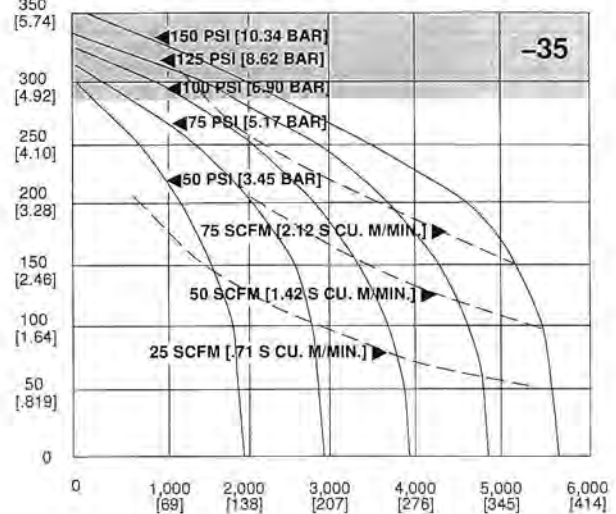
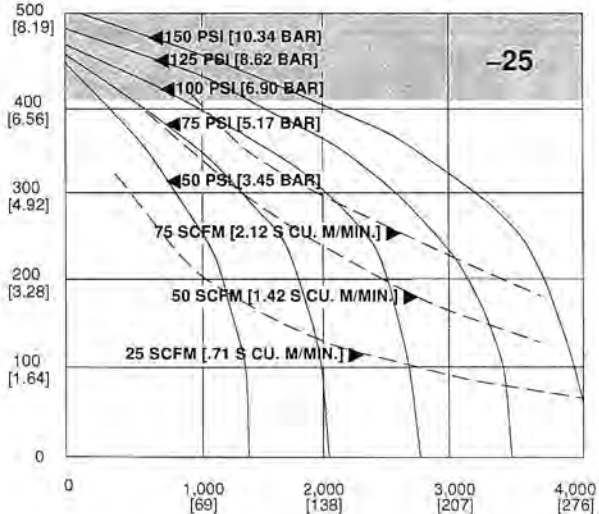
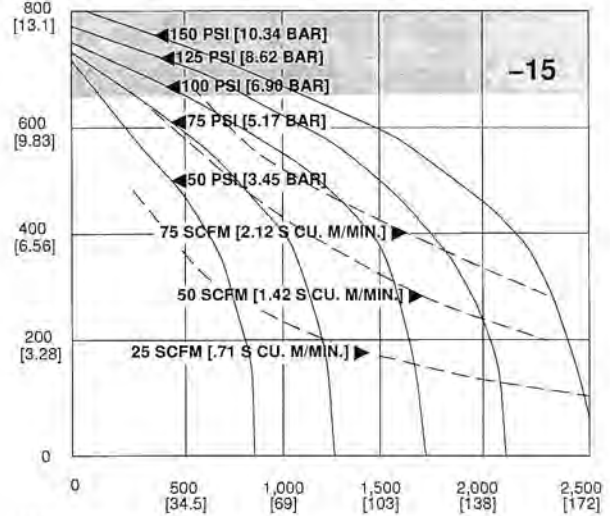
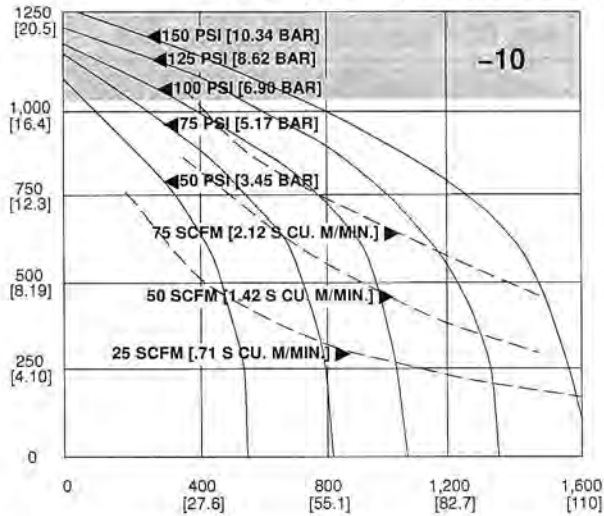


# Performance Curves 1.5 hp (1.12 kW) Pumps

Light horizontal shaded area indicates an excessively high cycle rate. This should be allowed only for intermittent duty to prevent possibly excessive noise and maintenance.



Lift pump (Inlet pressure is added to Outlet pressure -1.5 and -4 models only)

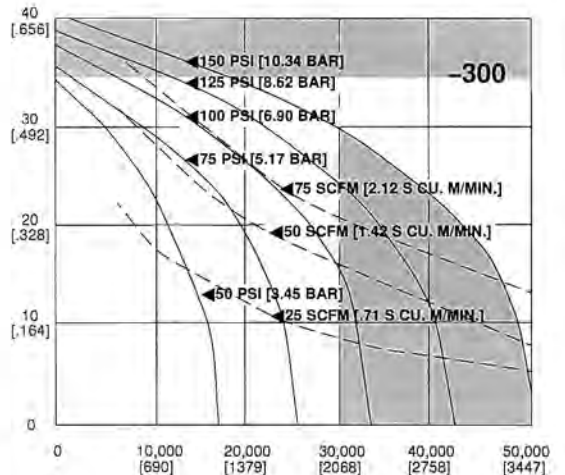
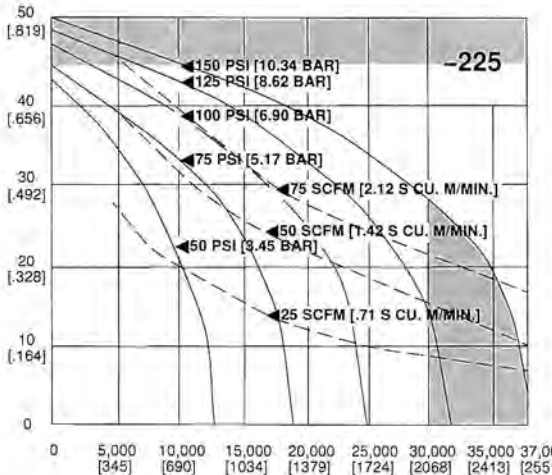
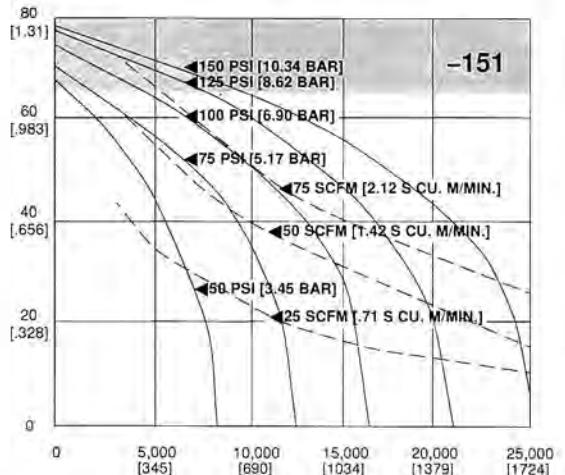
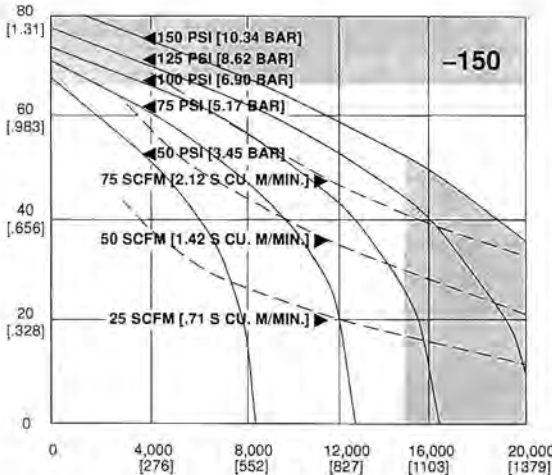
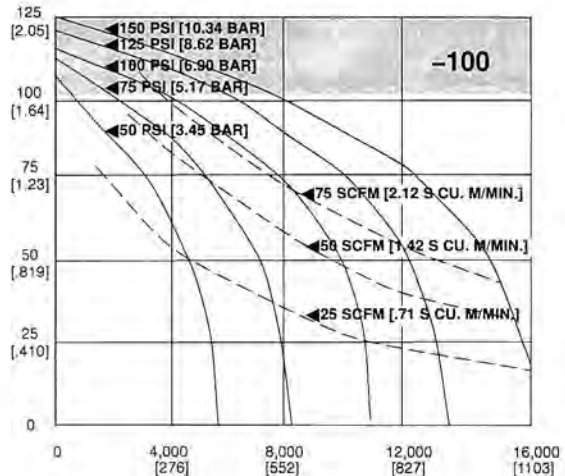
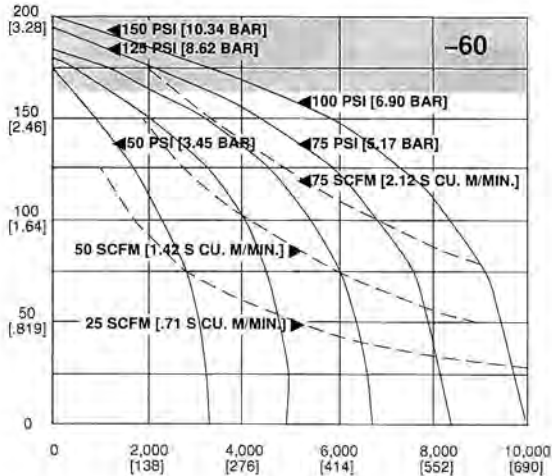


OUTLET PRESSURE PSI (BAR)

# Performance Curves 1.5 hp (1.12 kW) Pumps

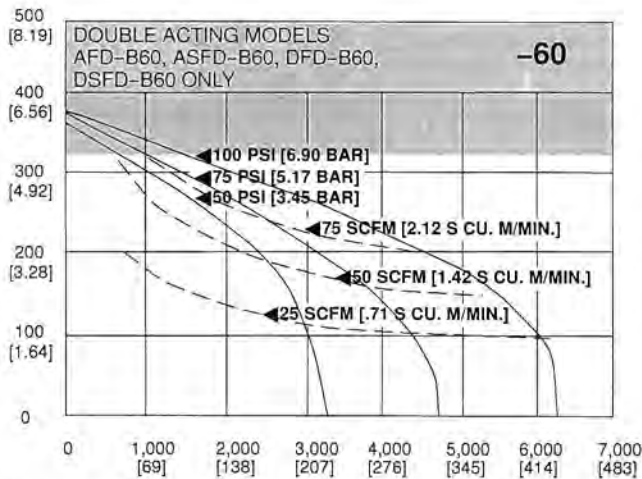
Intermittent duty dark shaded area is because of fatigue life limitation of materials.  
(Please consult factory for further advise).

LIQUID FLOW – CU. IN. / MIN. (LITRES / MIN.)



OUTLET PRESSURE PSI (BAR)

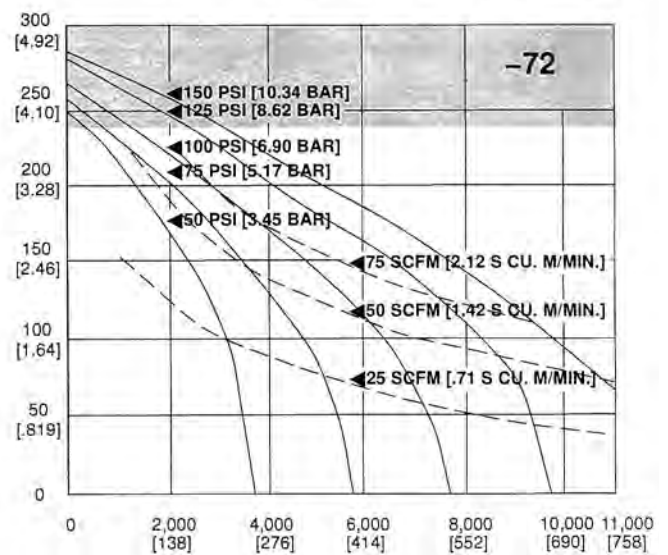
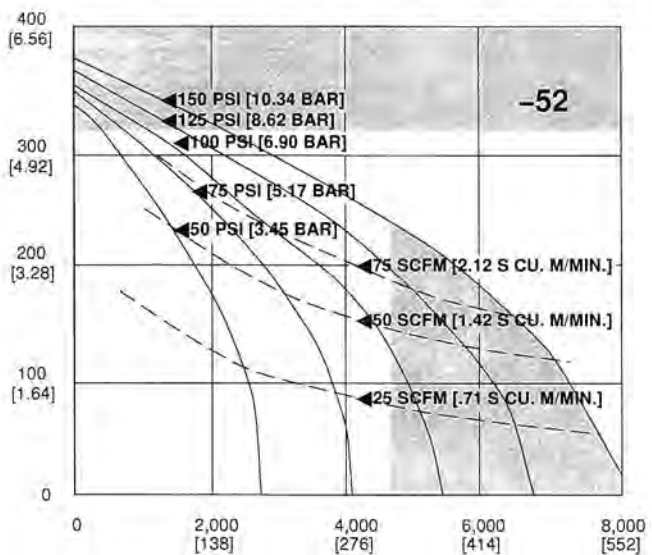
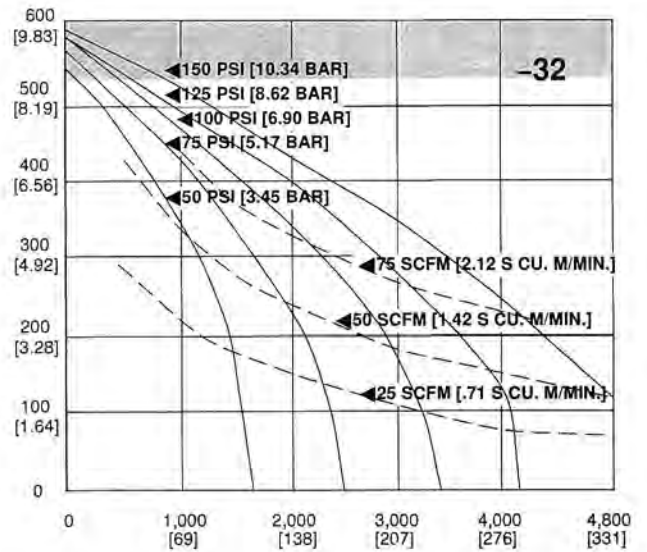
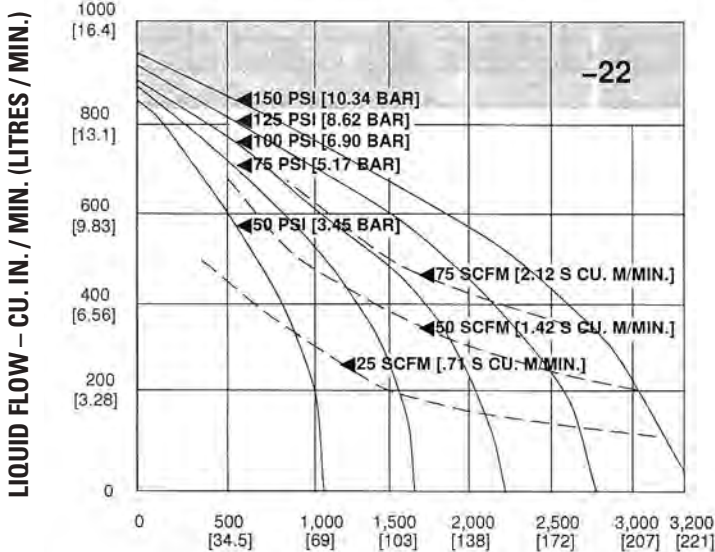
# Performance Curves 2 (1.5 kW) & 2.2 hp (1.6 kW) Pumps



Light horizontal shaded area indicates an excessively high cycle rate. This should be allowed only for intermittent duty to prevent possibly excessive noise and maintenance (Circuit assistance is available from authorized distributor or factory).

Intermittent duty dark shaded area is because of fatigue life limitation of materials.

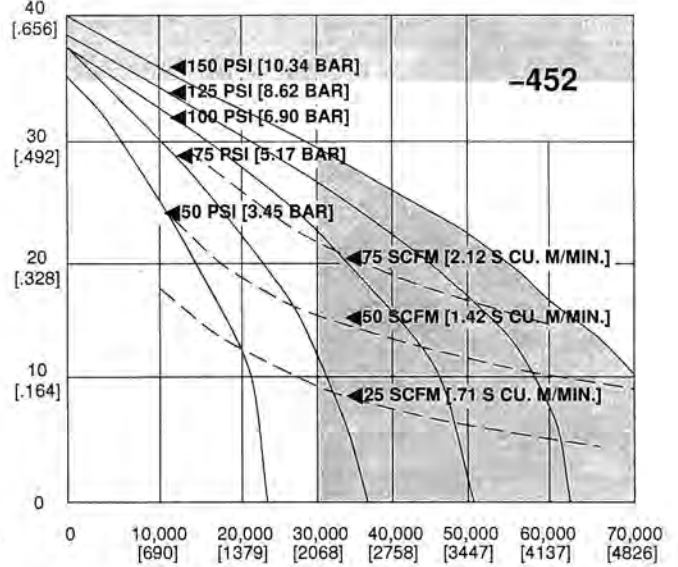
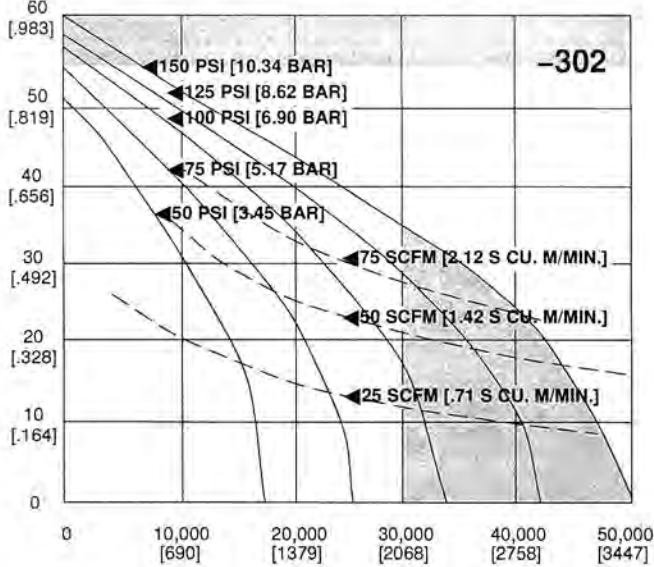
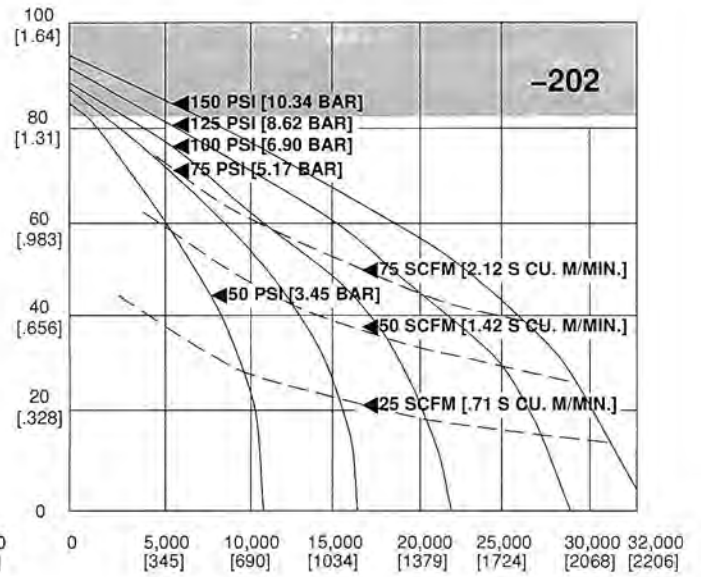
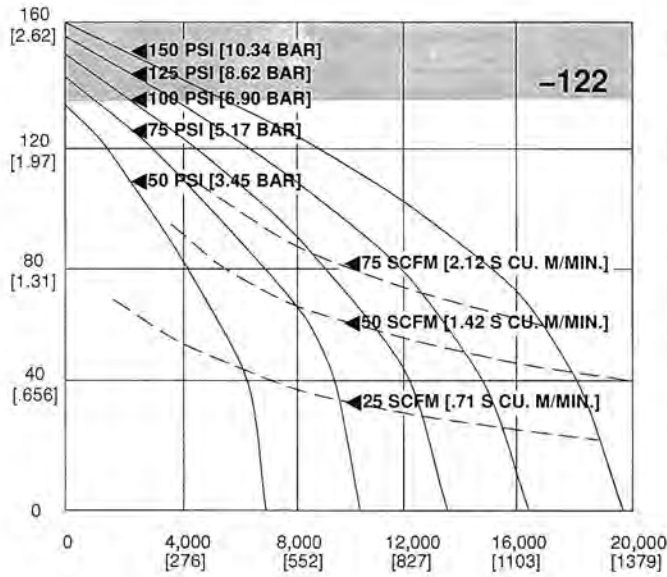
Reliability of the XH models (-452 thru -1373 will be improved with an air driven supercharge pump, not only to simplify priming but to reduce fatigue stresses. The higher the supercharge, the better the results. Also install a relief valve to protect the lower pressure pump from potential back pressure. Supercharging of the -1373 model is recommended for all applications.



OUTLET PRESSURE PSI (BAR)

# Performance Curves 2 (1.5 kW) & 2.2 hp (1.6 kW) Pumps

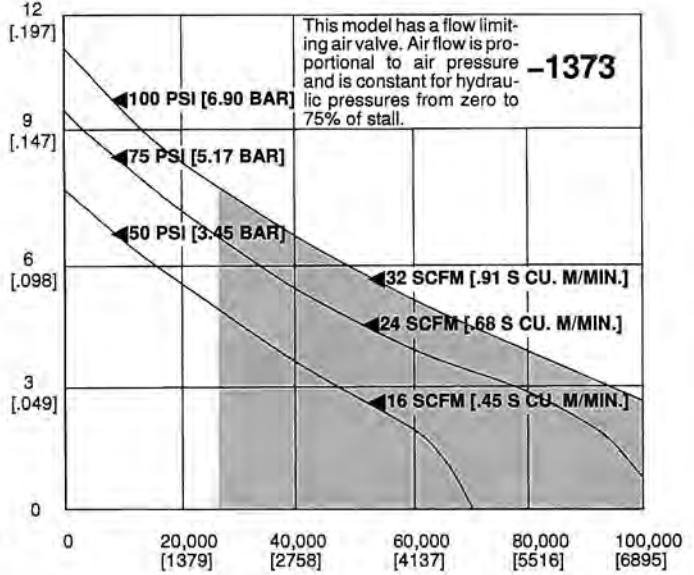
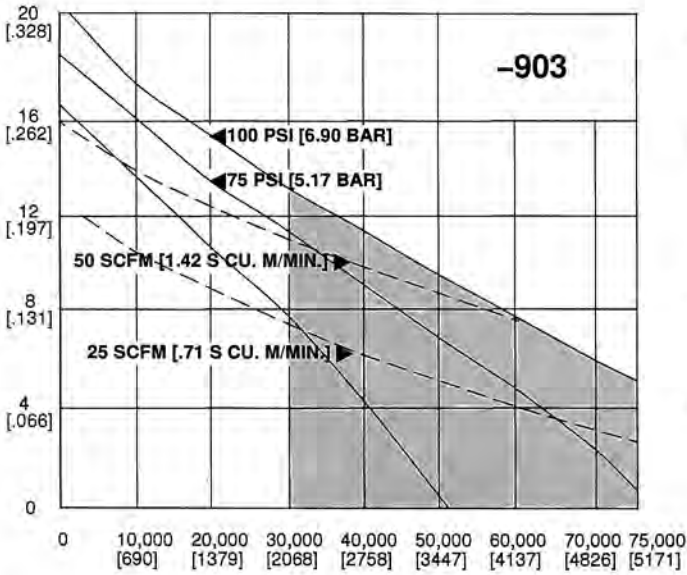
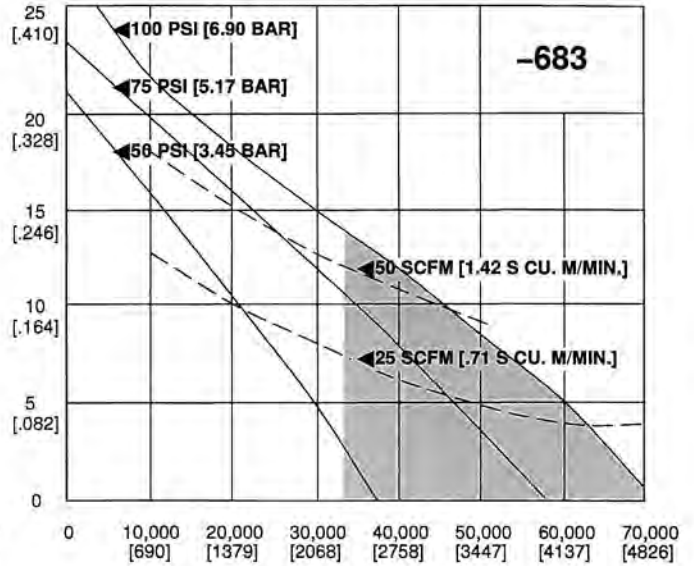
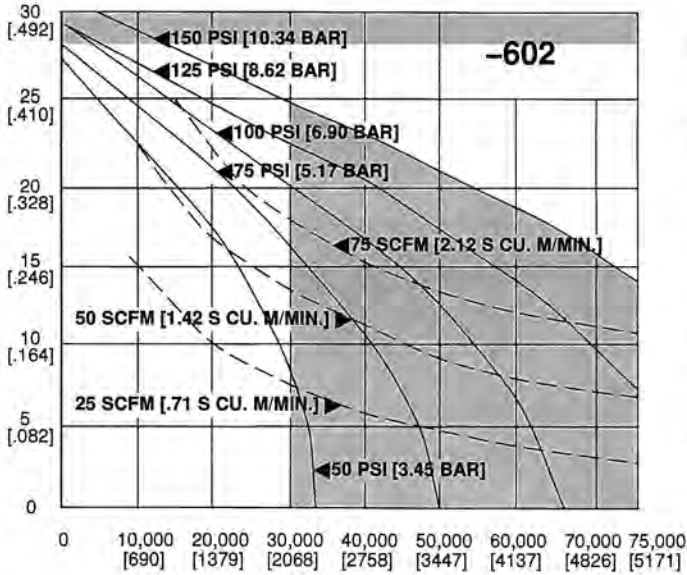
LIQUID FLOW – CU. IN. / MIN. (LITRES / MIN.)



OUTLET PRESSURE PSI (BAR)

# Performance Curves 2 (1.5 kW) & 2.2 hp (1.6 kW) Pumps

LIQUID FLOW – CU. IN. / MIN. (LITRES / MIN.)

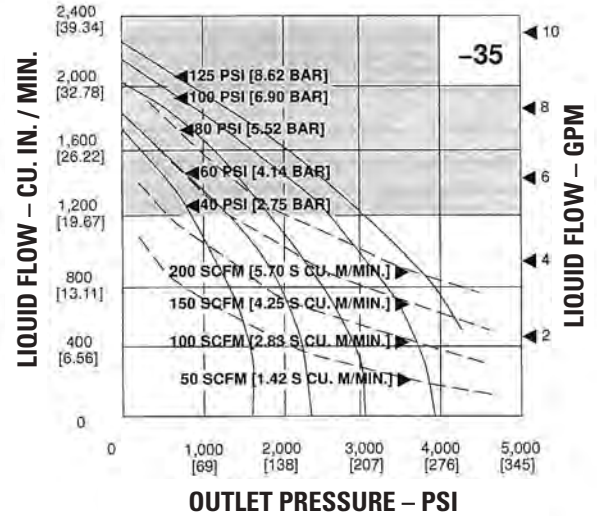
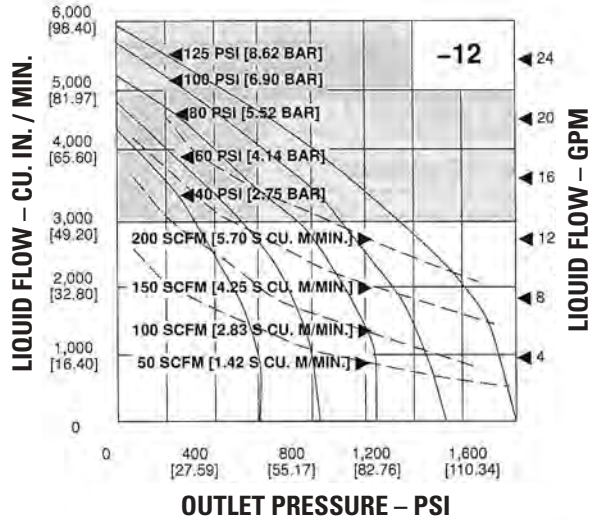


OUTLET PRESSURE PSI (BAR)

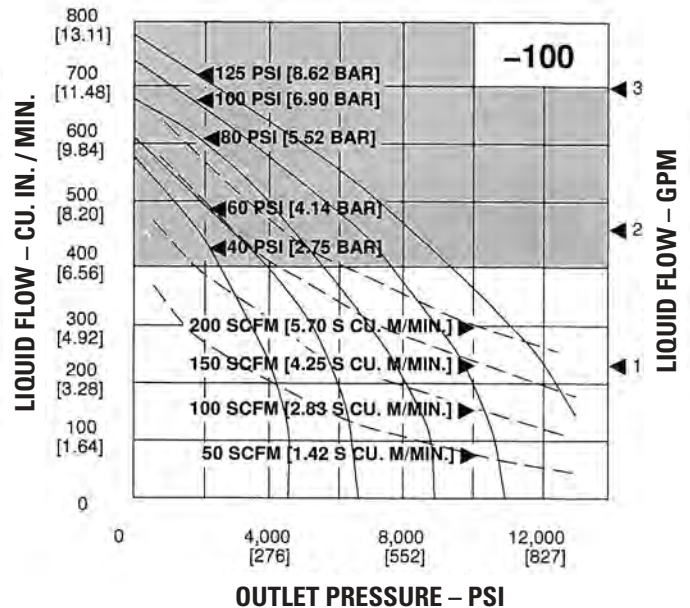
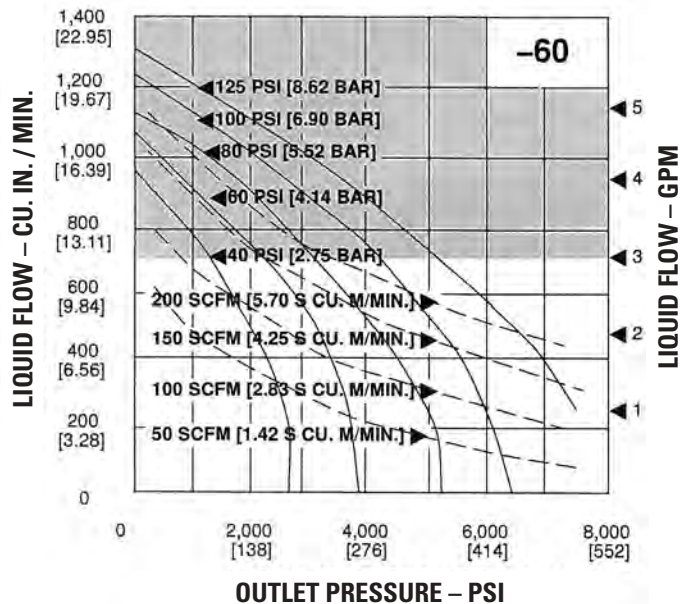


# Performance Curves 6 hp (4.5 kW) Pumps

Shaded area of chart indicates cycle rate of over 200 cpm. Intermittent operation only is suggested in this area (up to maximum of 300 cpm) to avoid possible objectionable noise and vibration levels. For additional help in setting up pumping system to minimize pump operation in this runaway (shaded) area. Consult Haskel distributor or factory.

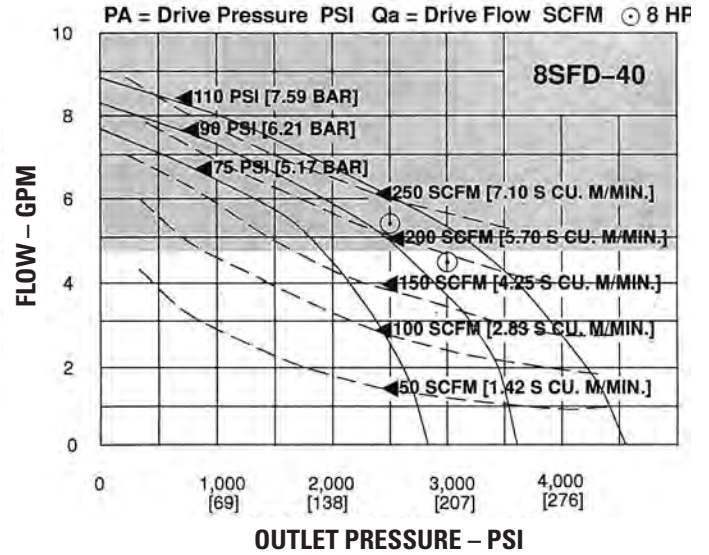
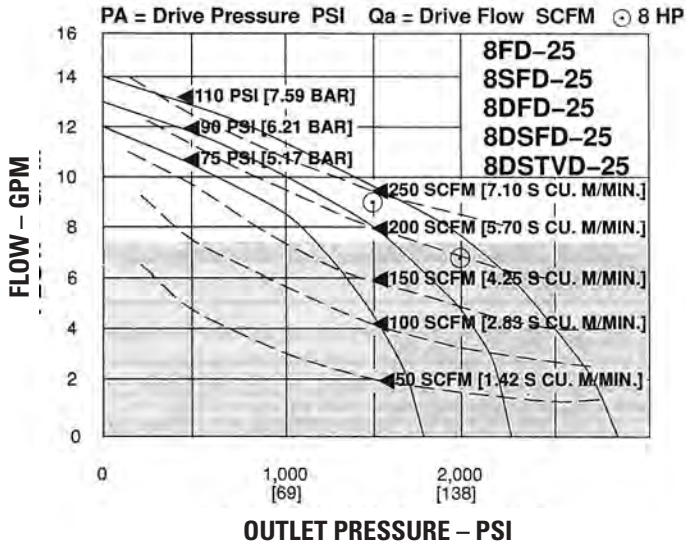


# Performance Curves 6 hp (4.5 kW) Pumps



# Performance Curves 8 hp (6.0 kW) Pumps

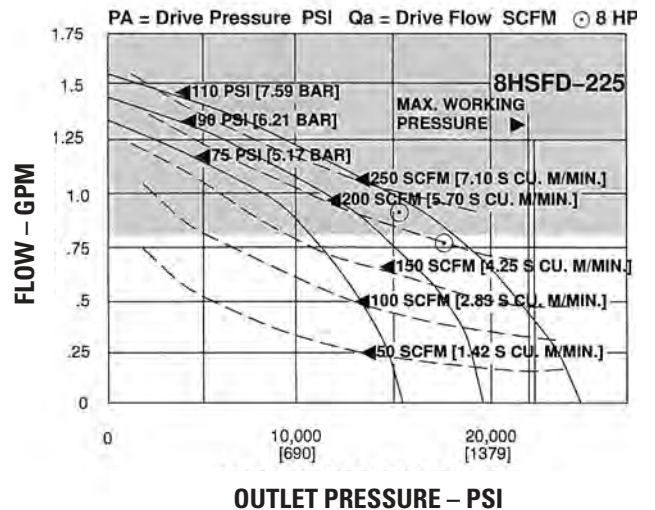
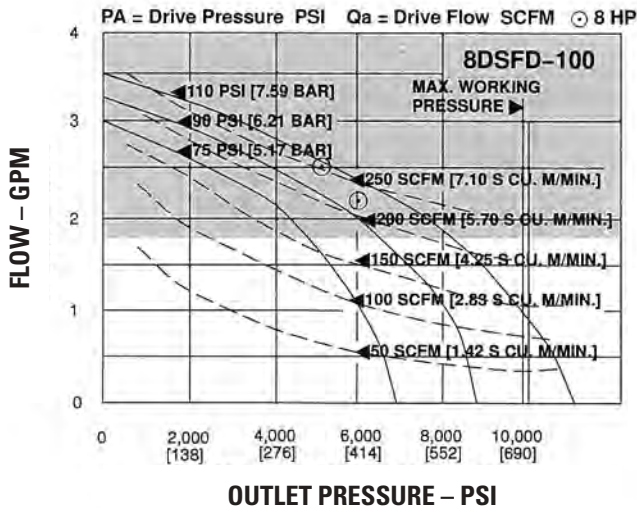
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 WIDTH: 9-1/2" [241]  
 HEIGHT: 11" [279]  
 WEIGHT: 64 lbs. [29 kg]



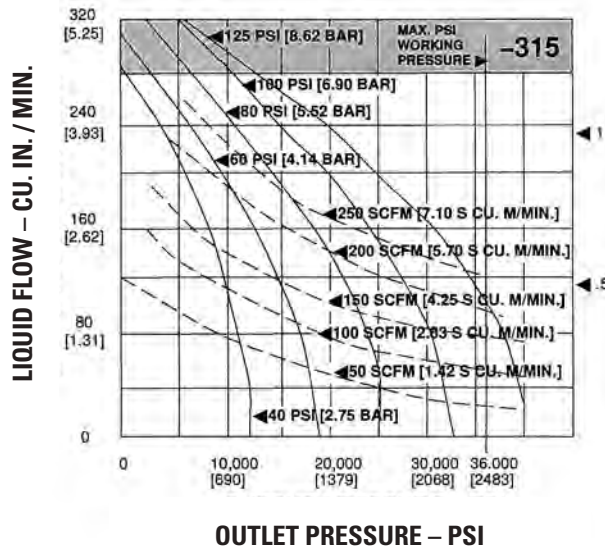
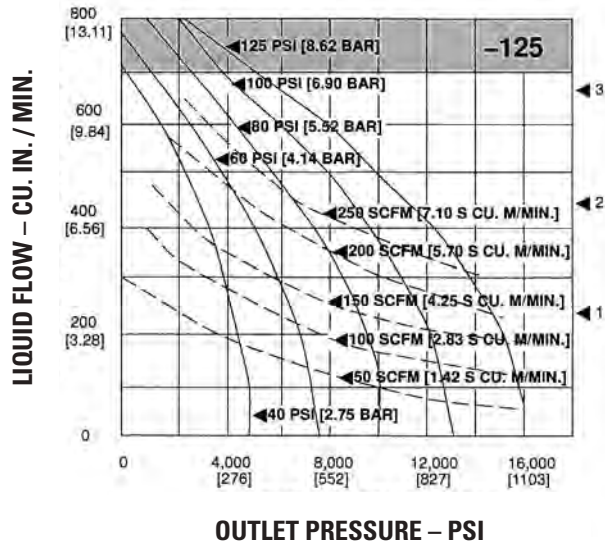
# Dimensional Data 8 hp (6.0 kW) Pumps

LENGTH: 41-3/4" [1060]  
 WIDTH: 9-1/2" [241]  
 HEIGHT: 11" [279]  
 WEIGHT: 92 lbs. [42 kg]

LENGTH: 28-3/8" [721]  
 WIDTH: 9-1/2" [241]  
 HEIGHT: 11" [279]  
 WEIGHT: 71 lbs. [32 kg]



# Performance Curves 10 hp (7.5 kW)



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