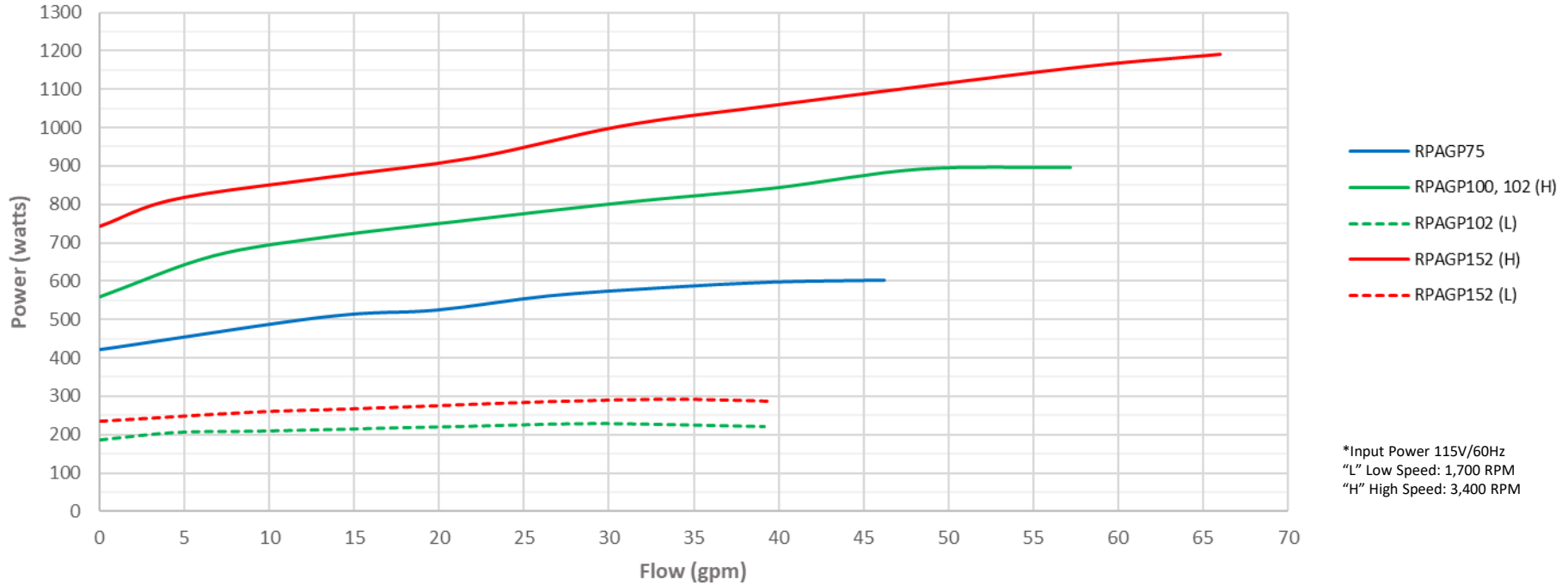




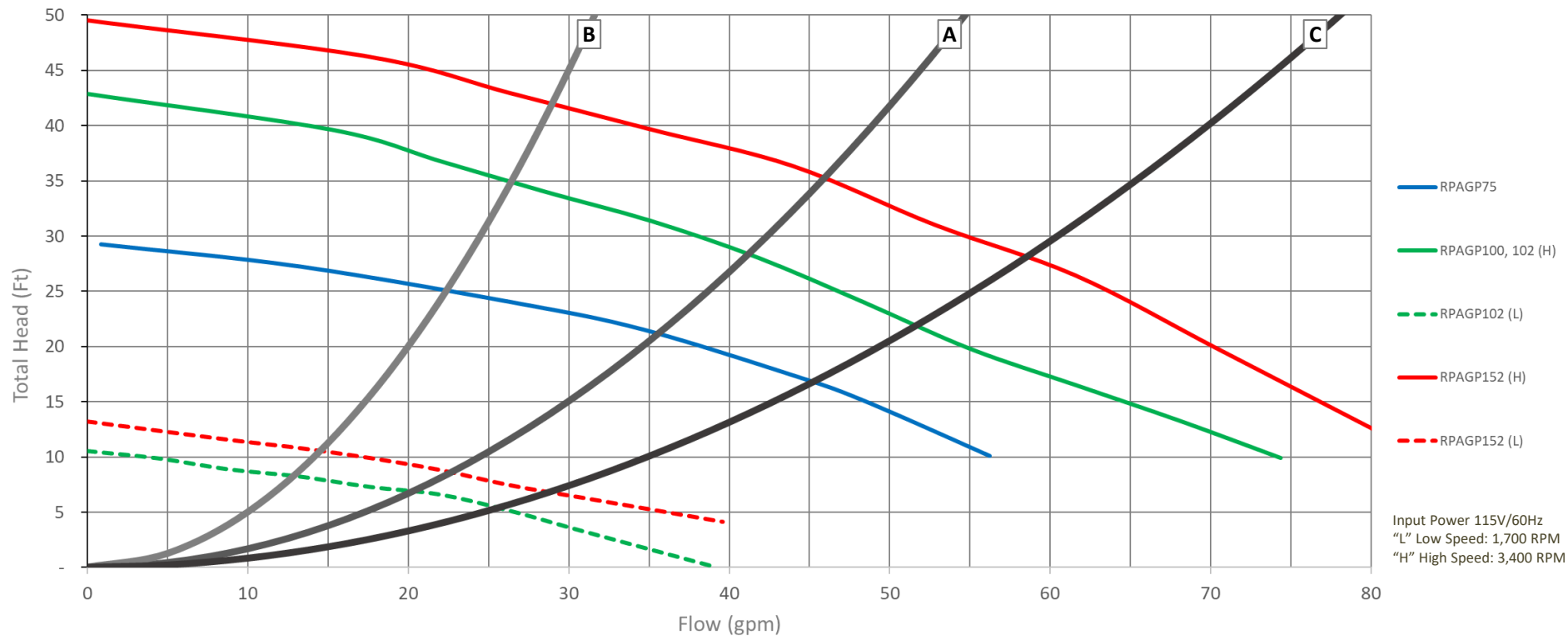
Protégé Above Ground Pool Pumps
Performance Data
9/1/23

RPAGP Above-Ground Pumps Flow Rate vs Power



*Input Power 115V/60Hz
"L" Low Speed: 1,700 RPM
"H" High Speed: 3,400 RPM

AGP Pump Performance Curves



AGP Energy Factor & Weighted Energy Factor

AGP Above-Ground Pumps Curve A					
Model	RPM	Q gpm	Power (Watts)	Energy Factor (EF)	Weighted Energy Factor (WEF)
RPAGP75	3400	32.5	580	3.4	N/A
RPAGP100	3400	41.0	850	2.9	N/A
RPAGP102	1700	18.5	218	5.1	4.01
RPAGP152	1700	21.0	278	4.5	3.49

AGP Above-Ground Pumps Curve B					
Model	RPM	Q gpm	Power (Watts)	Energy Factor (EF)	Weighted Energy Factor (WEF)
RPAGP75	3400	20.8	530	2.4	N/A
RPAGP100	3400	26.0	780	2.0	N/A
RPAGP102	1700	11.6	210	3.3	4.01
RPAGP152	1700	13.2	265	3.0	3.49

AGP Above-Ground Pumps Curve C					
Model	RPM	Q gpm	Power (Watts)	Energy Factor (EF)	Weighted Energy Factor (WEF)
RPAGP75	3400	40.5	600	4.1	N/A
RPAGP100	3400	52.0	900	3.5	N/A
RPAGP102	1700	23.0	222	6.2	4.83
RPAGP152	1700	27.0	288	5.6	4.27

Q_H = Flow rate @ 3400 RPM

P_H = Power @ 3400 RPM

Q_L = Flow Rate @ 1700 RPM

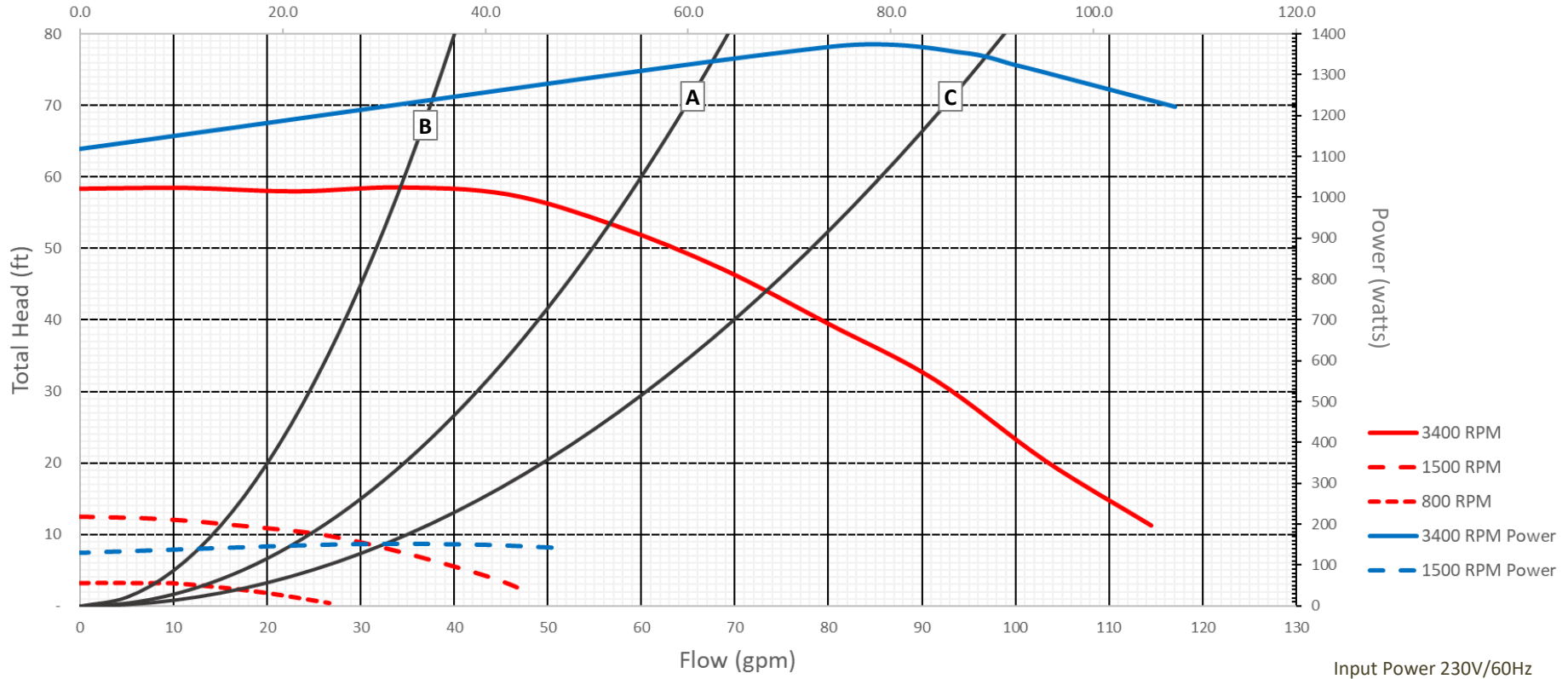
P_L = Power @ 1700 RPM

Apply eq. $EF = Q$ (Flow Rate) $\times 60 / P$ (Watt)

Apply eq. $WEF = \frac{Q_H \times 60 \times 0.2}{P_H} + \frac{Q_L \times 60 \times 0.8}{P_L}$

$$P_H \times 0.2 = P_L \times 0.8$$

RPVSP1 Pump Curve + Flow Rate Vs. Power



Input Power 230V/60Hz

RPVSP1 Variable-Speed Pump Energy Factor and Weighted Energy Factor

Curve C Performance Data			
RPM	Q (gpm)	Power (Watt)	WEF
3400	73.2	1350	6.13
1500	32.0	155	N/A