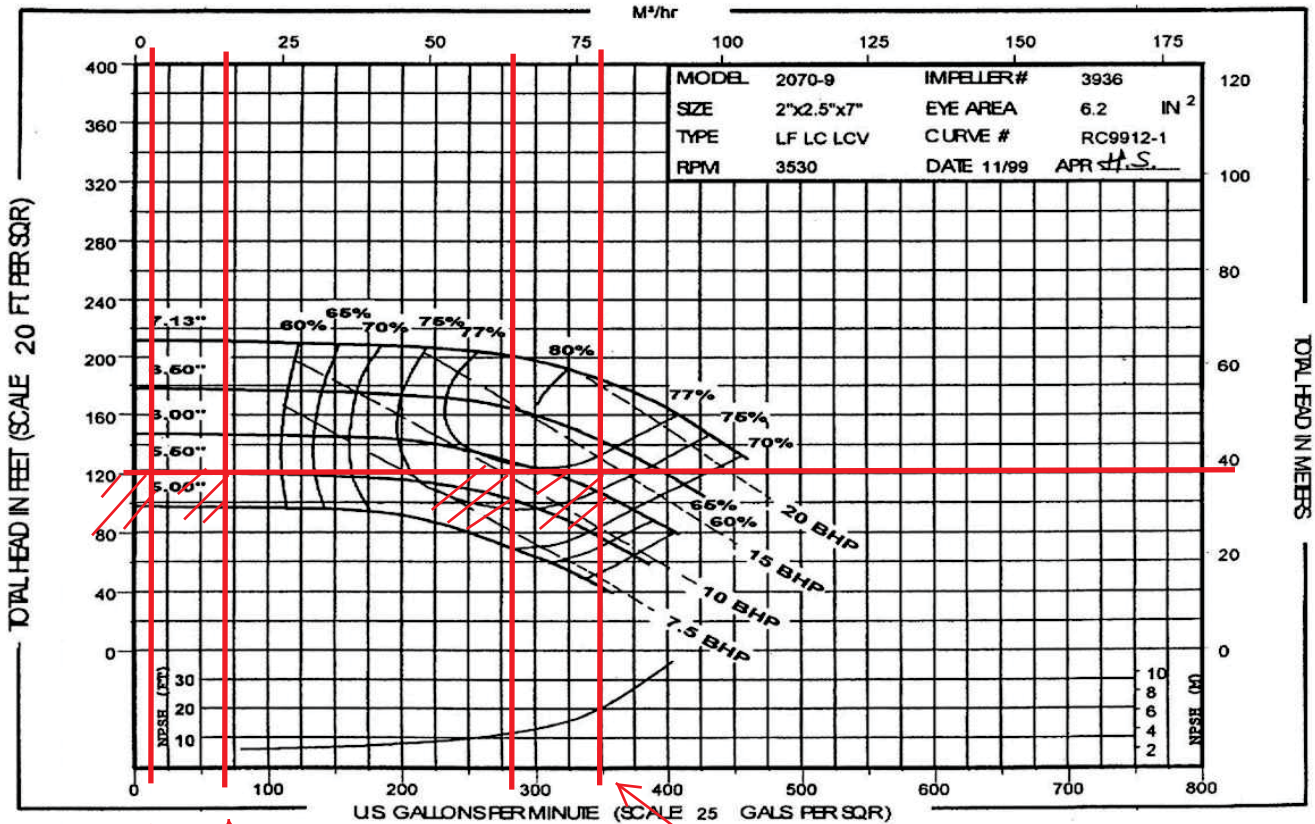


END SUCTION PUMP CURVE : 350 GPM @ 120' TDH



17.5 GPM @ 120' TDH
5% Design Flow
10% total run time

70 GPM @ 120' TDH
20% Design Flow
70% total run time

280 GPM @ 120' TDH
80% Design Flow
15% total run time

350 GPM @ 120' TDH
100% Design Flow
5% total run time

Determining Energy Cost for Domestic Water Pumps



2865.7 RPM **377** VOLT **10.98** AMPS

DETERMINE SPEED

81.88 PERCENT OF SPEED

15 HP **8.2** HP (VT)

\$ **.08** KW RATE PER HOUR

\$ **0.56** PER HOUR

\$ **4905.6** PER YEAR

	SPEED	\$	%
ADD	3217.4	6920.4	5
ADD	2984.8	5518.8	15
ADD	2873.7	4905.6	70
ADD	2865.7	4905.6	10
CALCULATE TOTAL		5099	100

- 10%
- 70%
- 15%
- 5%

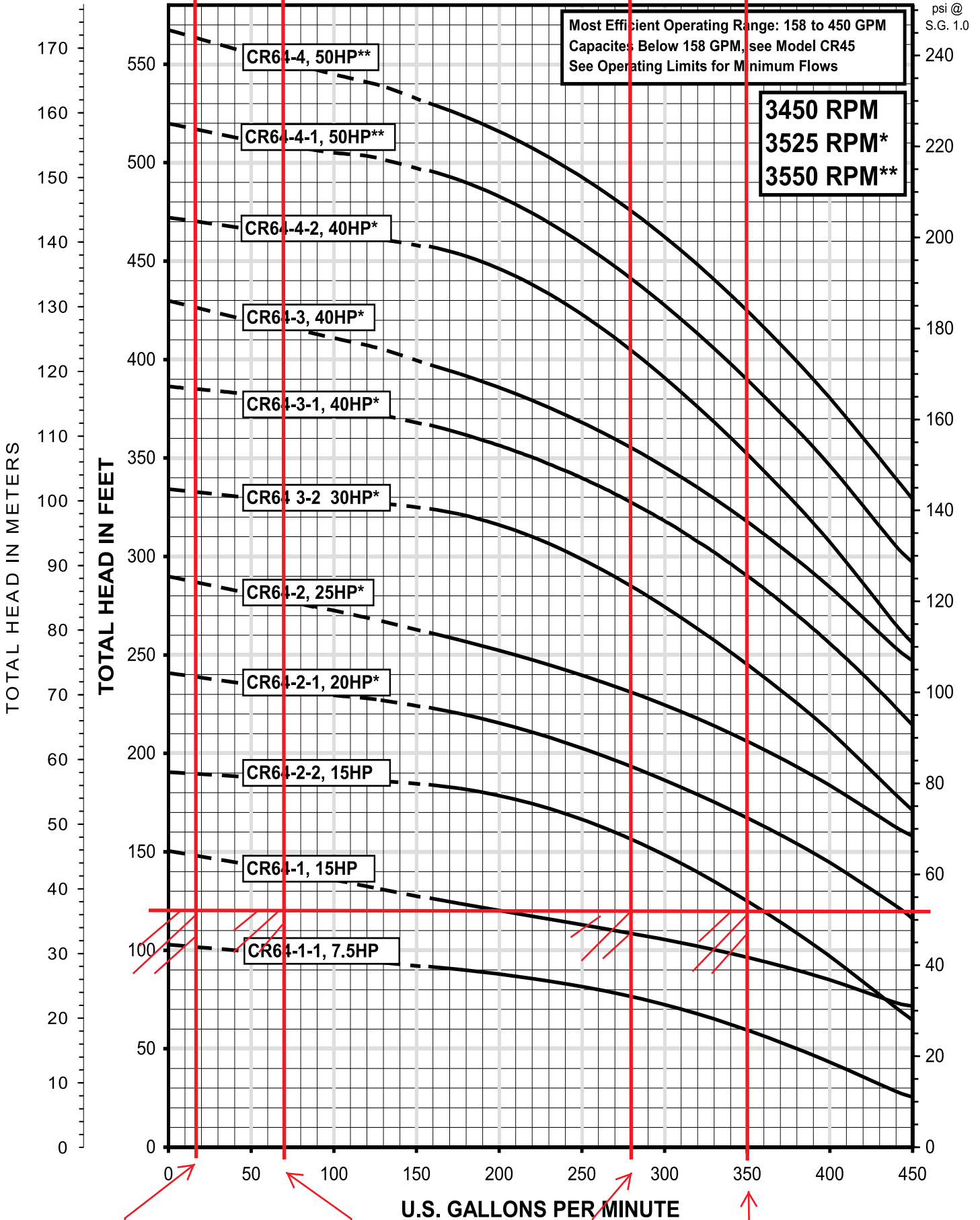
% of design load

% of time

ENERGY CONSUMPTION/ COST TO OPERATE END SUCTION PUMP AT PROFILED LOAD

Vertical Multi-stage Pump Curve: 350 GPM @ 120' TDH

(Based on airfree water at 68°F [20°C])



17.5 GPM @ 120' TDH
 5% Design Flow
 10% total run time

70 GPM @ 120' TDH
 20% Design Flow
 70% total run time

280 GPM @ 120' TDH
 80% Design Flow
 15% total run time

350 GPM @ 120' TDH
 100% Design Flow
 5% total run time

Determining Energy Cost for Domestic Water Pumps



2781.5 RPM **366** VOLT **10.34** AMPS

DETERMINE SPEED

79.47 PERCENT OF SPEED

15 HP **7.5** HP (VT)

\$ **.08** KW RATE PER HOUR

\$ **0.51** PER HOUR

\$ **4467.6** PER YEAR

	SPEED	\$	%
ADD	3429.2	8409.6	5
ADD	2984.8	5518.8	15
ADD	2796.2	4555.2	70
ADD	2781.5	4467.6	10
CALCULATE TOTAL		4884	100

- 10%
- 70%
- 15%
- 5%

% of design load

% of time

ENERGY CONSUMPTION / COST TO OPERATE MULTI-STAGE PUMP AT PROFILED LOAD

Performance Curves

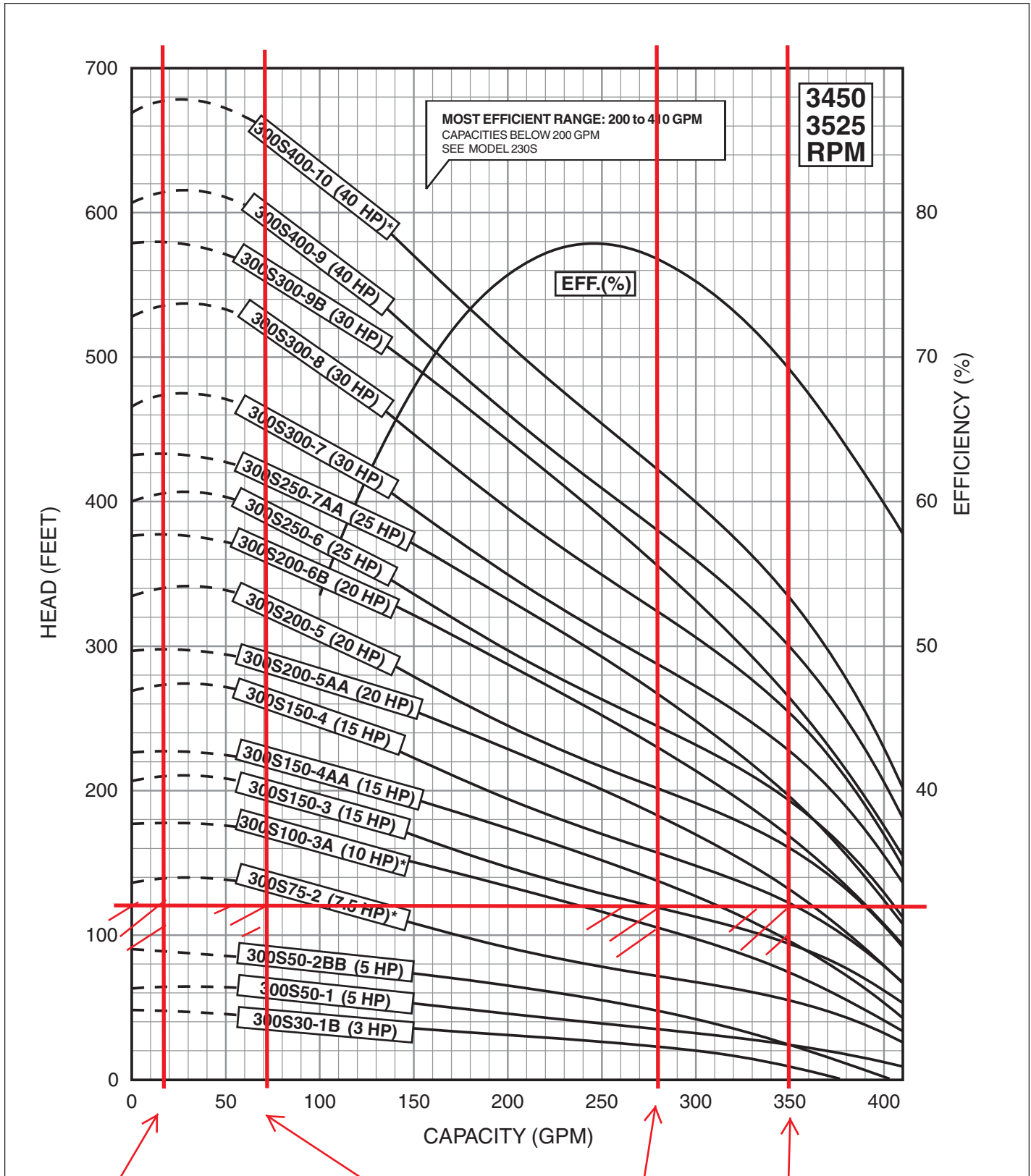
300 GPM

Model 300S

FLOW RANGE: 60 -410 GPM

OUTLET SIZE: 3" & 4" NPT*

NOMINAL DIA. 6"



17.5 GPM @ 120' TDH
5% Design Flow
10% total run time

70 GPM @ 120' TDH
20% Design Flow
70% total run time

280 GPM @ 120' TDH
80% Design Flow
15% total run time

350 GPM @ 120' TDH
100% Design Flow
5% total run time

Determining Energy Cost for Domestic Water Pumps



2320.4 RPM **305** VOLT **7.28** AMPS

DETERMINE SPEED

66.3 PERCENT OF SPEED

15 HP **4.4** HP (VT)

\$ **.08** KW RATE PER HOUR

\$ **0.3** PER HOUR

\$ **2628** PER YEAR

	SPEED	\$	%
ADD	3471.1	8672.4	5
ADD	3050.2	5869.2	15
ADD	2364.1	2715.6	70
ADD	2320.4	2628	10
CALCULATE TOTAL		3478	100

- 10%
- 70%
- 15%
- 5%

% of design load

% of time