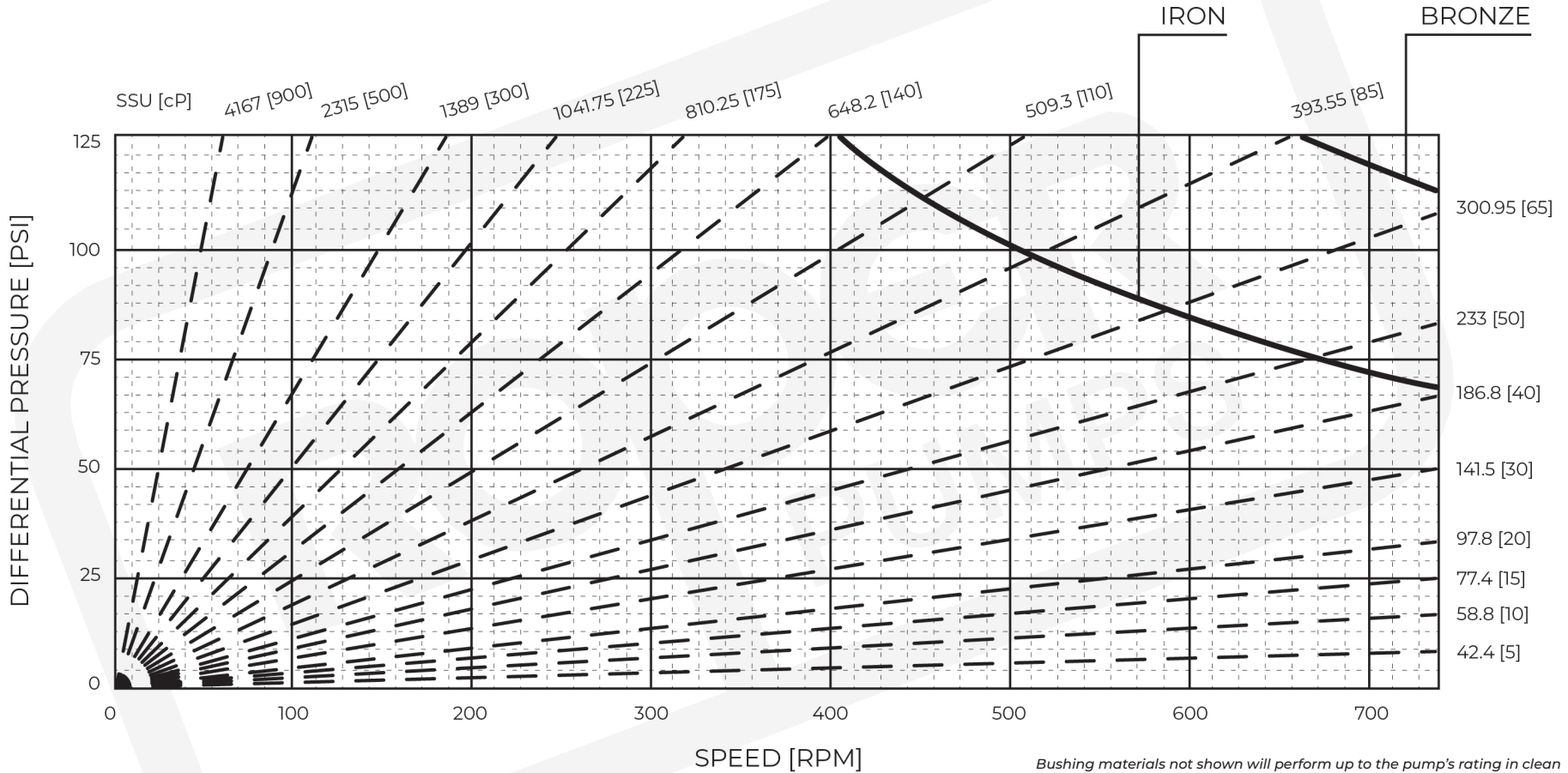# Series: 3x11

PV LIMIT

Bushing materials not shown will perform up to the pump's rating in clean fluid applications. For any concerns, please reach out to Roper Pump.
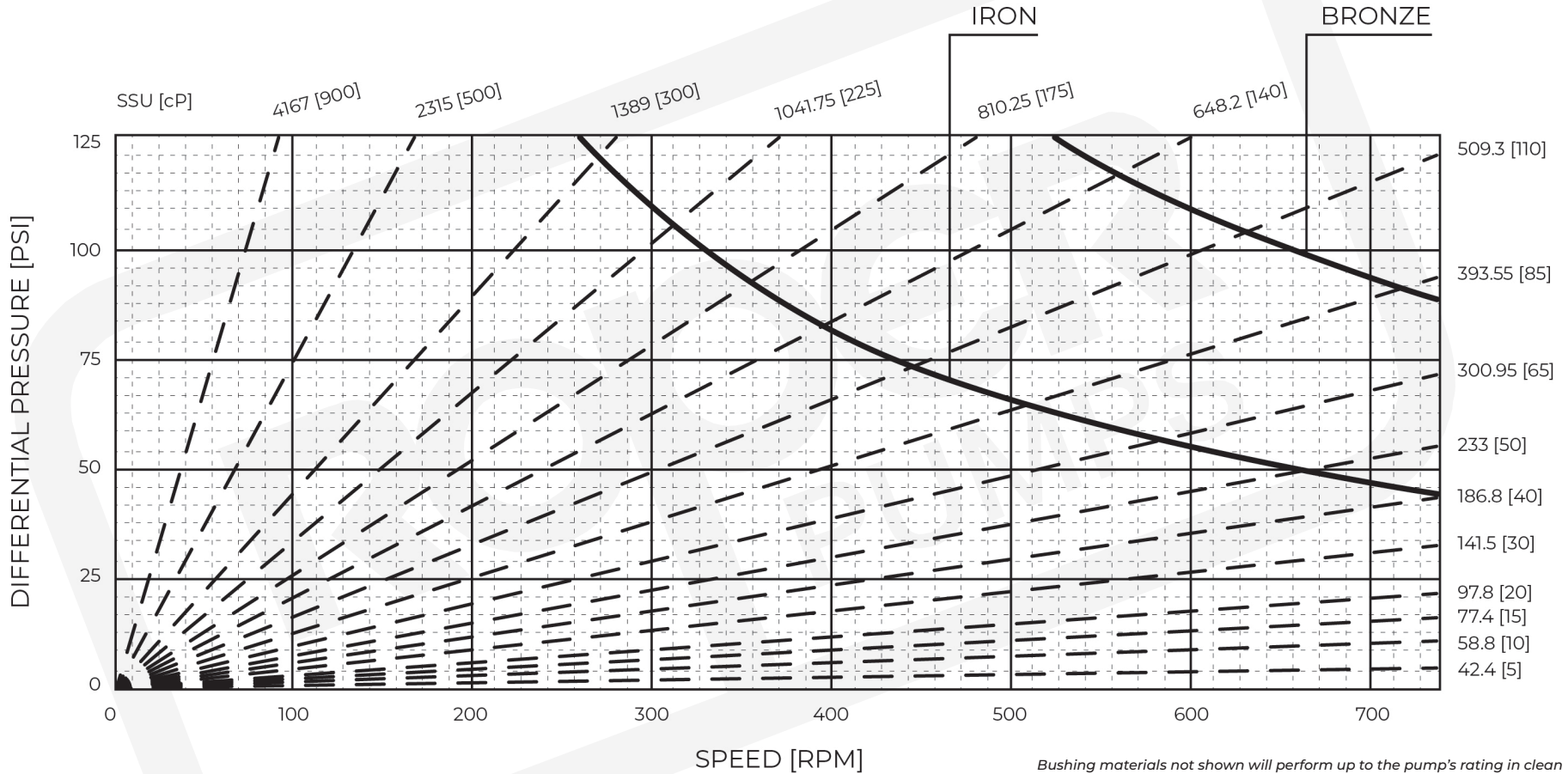
*SSU calculated assuming SG = 1

*The PV limit is the maximum pressure and speed combination the bearing material is capable of withstanding without experiencing early failure or significant reduction in performance. (Note: The dotted hydrodynamic film lines represent the minimum viscosities required to operate above the PV limit.)

*Roper Pump Company products are tested under ideal lab conditions.

Series: 3x17

PV LIMIT

Chart axes and labels:

- Y-axis: DIFFERENTIAL PRESSURE [PSI] — values: 0, 25, 50, 75, 100, 125
- X-axis: SPEED [RPM] — values: 0, 100, 200, 300, 400, 500, 600, 700
- Material curves labeled: IRON, BRONZE

SSU [cP] reference lines (top):
4167 [900], 2315 [500], 1389 [300], 1041.75 [225], 810.25 [175], 648.2 [140]

SSU [cP] reference values (right):
509.3 [110], 393.55 [85], 300.95 [65], 233 [50], 186.8 [40], 141.5 [30], 97.8 [20], 77.4 [15], 58.8 [10], 42.4 [5]

Bushing materials not shown will perform up to the pump's rating in clean fluid applications. For any concerns, please reach out to Roper Pump.
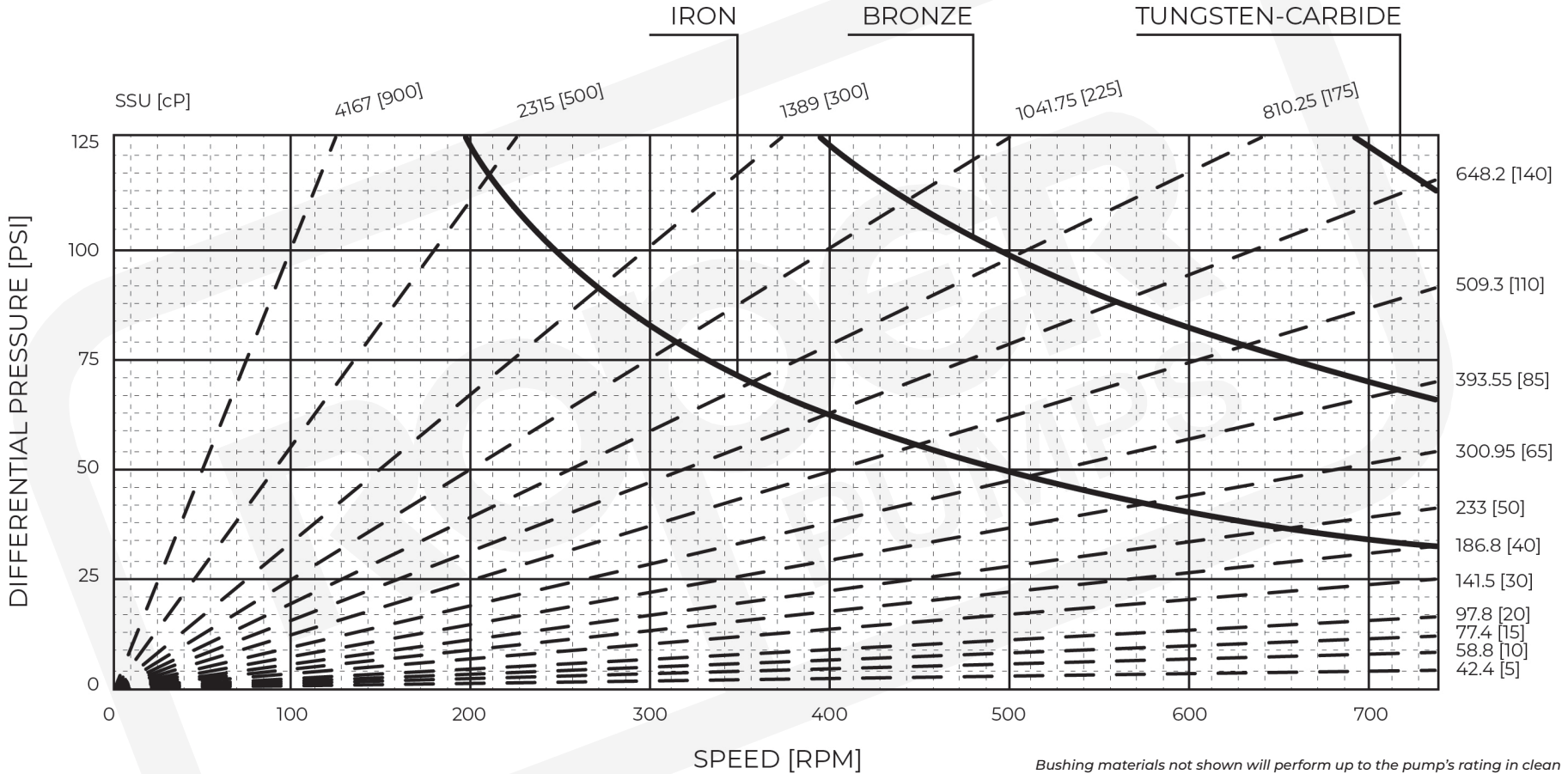
*SSU calculated assuming SG = 1

*The PV limit is the maximum pressure and speed combination the bearing material is capable of withstanding without experiencing early failure or significant reduction in performance. (Note: The dotted hydrodynamic film lines represent the minimum viscosities required to operate above the PV limit.)

*Roper Pump Company products are tested under ideal lab conditions.

Series: 3x22

PV LIMIT

IRON BRONZE TUNGSTEN-CARBIDE

Chart: DIFFERENTIAL PRESSURE [PSI] vs SPEED [RPM]

SSU [cP] viscosity lines: 4167 [900], 2315 [500], 1389 [300], 1041.75 [225], 810.25 [175], 648.2 [140], 509.3 [110], 393.55 [85], 300.95 [65], 233 [50], 186.8 [40], 141.5 [30], 97.8 [20], 77.4 [15], 58.8 [10], 42.4 [5]

Bushing materials not shown will perform up to the pump's rating in clean fluid applications. For any concerns, please reach out to Roper Pump.

SSU calculated assuming SG = 1

The PV limit is the maximum pressure and speed combination the bearing material is capable of withstanding without experiencing early failure or significant reduction in performance. (Note: The dotted hydrodynamic film lines represent the minimum viscosities required to operate above the PV limit.)

Roper Pump Company products are tested under ideal lab conditions.