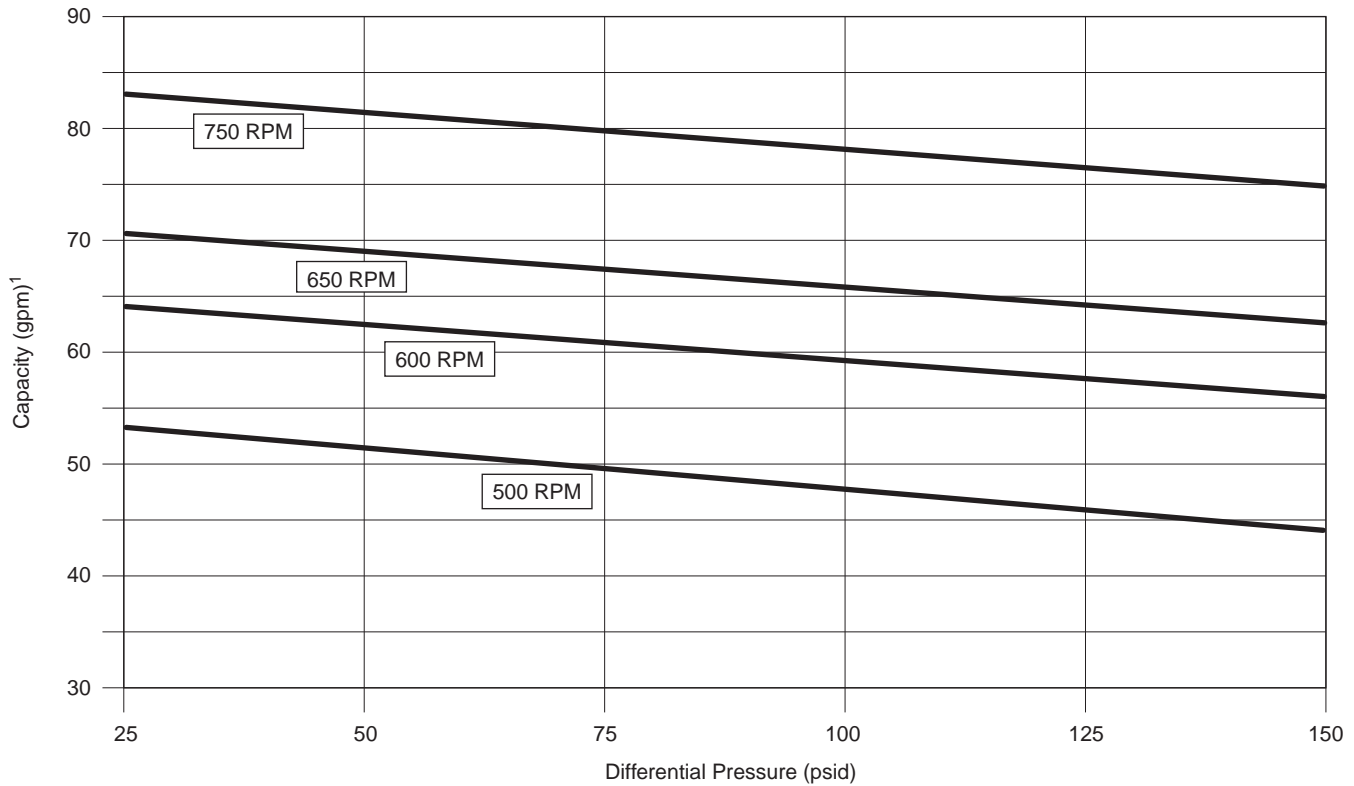


# Appendix C—Z2000, ZH2000, ZX2000, and ZXH2000 Performance Curves

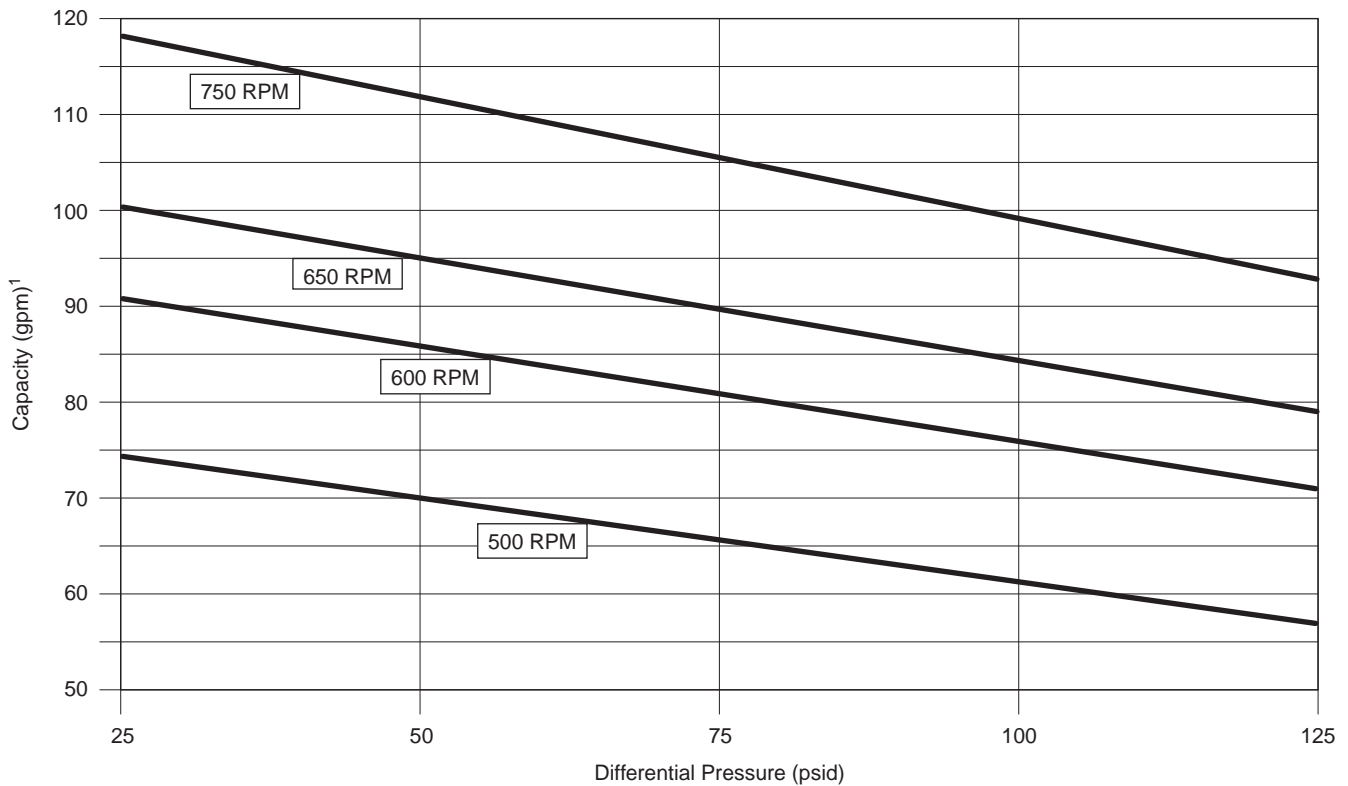


<sup>1</sup>The chart shows approximate delivery rates as seen in vapor equalized propane systems at 70°F (21°C) with no pressure loss in pump suction piping. The following will cause increased vaporization of the liquid in the pump suction, adversely affecting the delivery:

1. Restrictions in the suction piping such as internal valves, excess flow valves, elbows, etc.
2. Restriction or lack of a vapor return line
3. Temperatures below 70°F (21°C)

This loss of delivery is not caused by the pump but is a result of the natural thermodynamic properties of liquefied petroleum gases. See the "GUIDE TO CORKEN LIQUEFIED GAS TRANSFER EQUIPMENT" (CP226) for additional information.

## Appendix C—Z3200 and ZH3200 Performance Curves

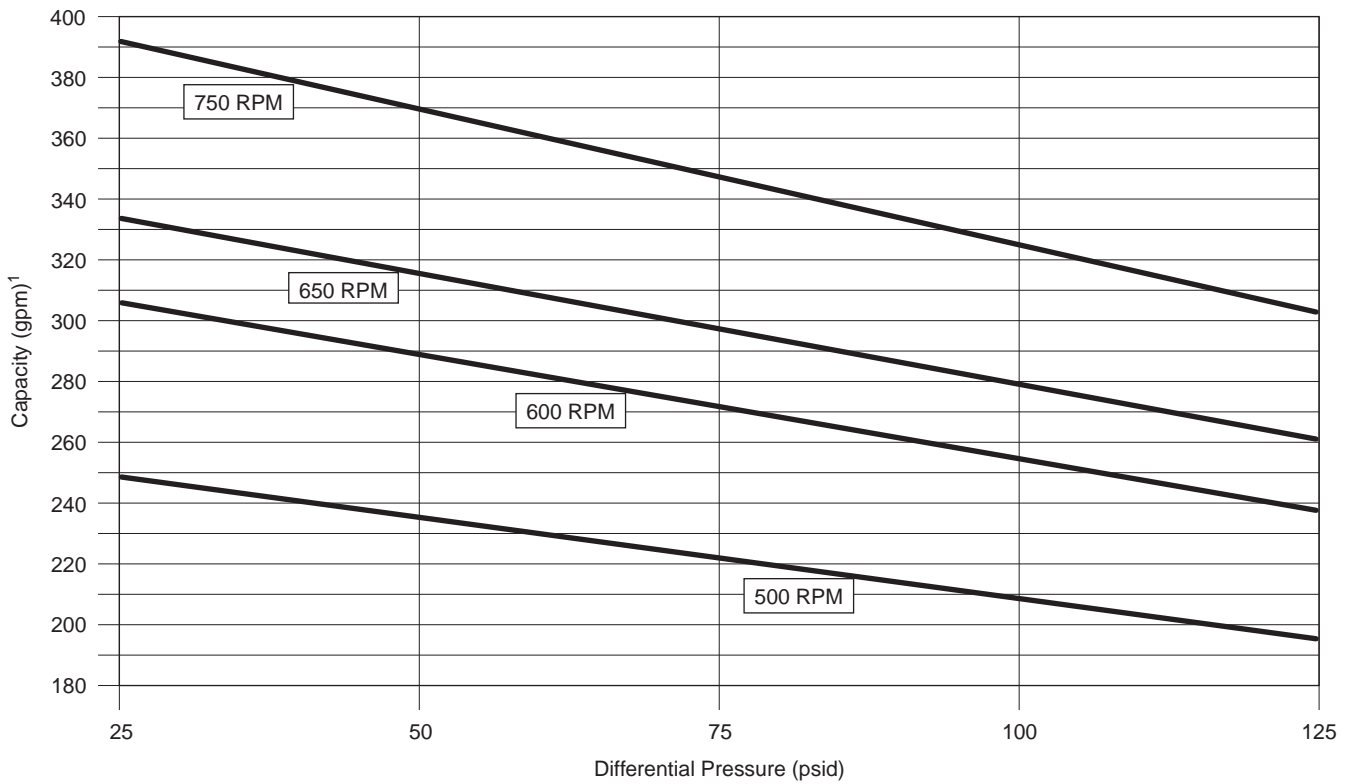


<sup>1</sup>The chart shows approximate delivery rates as seen in vapor equalized propane systems at 70°F (21°C) with no pressure loss in pump suction piping. The following will cause increased vaporization of the liquid in the pump suction, adversely affecting the delivery:

1. Restrictions in the suction piping such as internal valves, excess flow valves, elbows, etc.
2. Restriction or lack of a vapor return line
3. Temperatures below 70°F (21°C)

This loss of delivery is not caused by the pump but is a result of the natural thermodynamic properties of liquefied petroleum gases. See the "GUIDE TO CORKEN LIQUEFIED GAS TRANSFER EQUIPMENT" (CP226) for additional information.

## Appendix C—Z4200 and ZH4200 Performance Curves



<sup>1</sup>The chart shows approximate delivery rates as seen in vapor equalized propane systems at 70°F (21°C) with no pressure loss in pump suction piping. The following will cause increased vaporization of the liquid in the pump suction, adversely affecting the delivery:

1. Restrictions in the suction piping such as internal valves, excess flow valves, elbows, etc.
2. Restriction or lack of a vapor return line
3. Temperatures below 70°F (21°C)

This loss of delivery is not caused by the pump but is a result of the natural thermodynamic properties of liquefied petroleum gases. See the "GUIDE TO CORKEN LIQUEFIED GAS TRANSFER EQUIPMENT" (CP226) for additional information.

## Appendix C—Performance Charts

### Z2000, ZH2000, ZX2000, and ZXH2000 Coro-Vane® Truck Pumps

Pump Speed	Differential Pressure	Approximate Delivery of Propane <sup>1</sup>	Brake hp Required	Pump Torque Required
RPM	psid (kPa)	gpm (L/min)	bhp (kW)	ft•lb (N•M)
750	50 (345)	82 (309)	2.9 (2.2)	20.4 (27.7)
750	100 (689)	77 (291)	5.8 (4.3)	40.8 (55.3)
750	150 <sup>2</sup> (1,034)	75 (284)	8.9 (6.63)	62.2 (84.3)
650	50 (345)	69 (261)	2.5 (1.9)	20.4 (27.7)
650	100 (689)	64 (242)	5.1 (3.8)	40.8 (55.3)
650	150 <sup>2</sup> (1,034)	63 (238)	7.7 (5.7)	62.2 (84.3)
600	50 (345)	63 (238)	2.3 (1.7)	20.4 (27.7)
600	100 (689)	58 (219)	4.6 (3.5)	40.8 (55.3)
600	150 <sup>2</sup> (1,034)	56 (212)	7.1 (5.3)	62.2 (84.3)
500	50 (345)	52 (197)	1.9 (1.4)	20.4 (27.7)
500	100 (689)	46 (174)	3.9 (2.9)	40.8 (55.3)
500	150 <sup>2</sup> (1,034)	44 (166)	5.9 (4.4)	62.2 (84.3)

### Z3200 and ZH3200 Coro-Vane® Truck Pumps

Pump Speed	Differential Pressure	Approximate Delivery of Propane <sup>1</sup>	Brake hp Required	Pump Torque Required
RPM	psid (kPa)	gpm (L/min)	bhp (kW)	ft•lb (N•M)
750	50 (345)	112 (424)	6.2 (4.6)	43.4 (58.9)
750	100 (689)	99 (375)	9.9 (7.4)	69.3 (94.0)
650	50 (345)	95 (360)	5.2 (3.9)	42.0 (57.0)
650	100 (689)	84 (318)	8.2 (6.1)	66.3 (89.9)
600	50 (345)	86 (326)	5.0 (3.7)	41.3 (56.0)
600	100 (689)	76 (288)	7.8 (5.9)	64.8 (87.9)
500	50 (345)	70 (265)	3.8 (2.8)	39.9 (54.1)
500	100 (689)	62 (235)	5.8 (4.3)	60.9 (82.6)

### Z4200, ZH4200, and Z4500 Coro-Vane® Truck Pumps

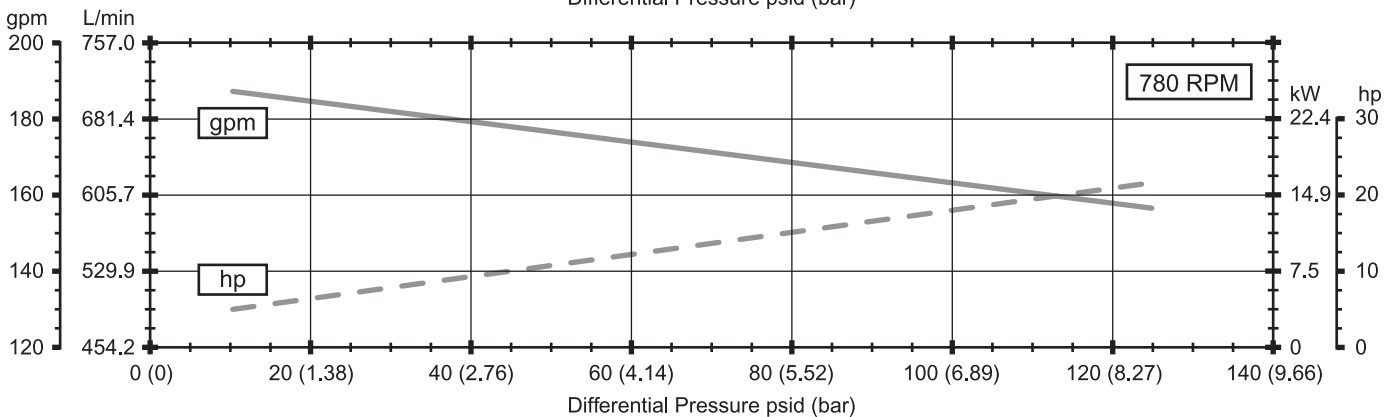
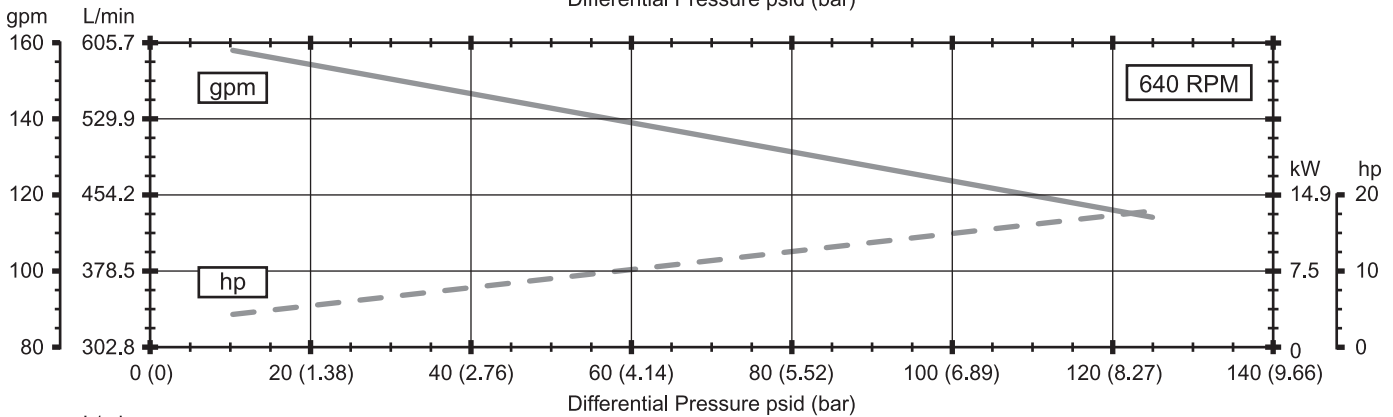
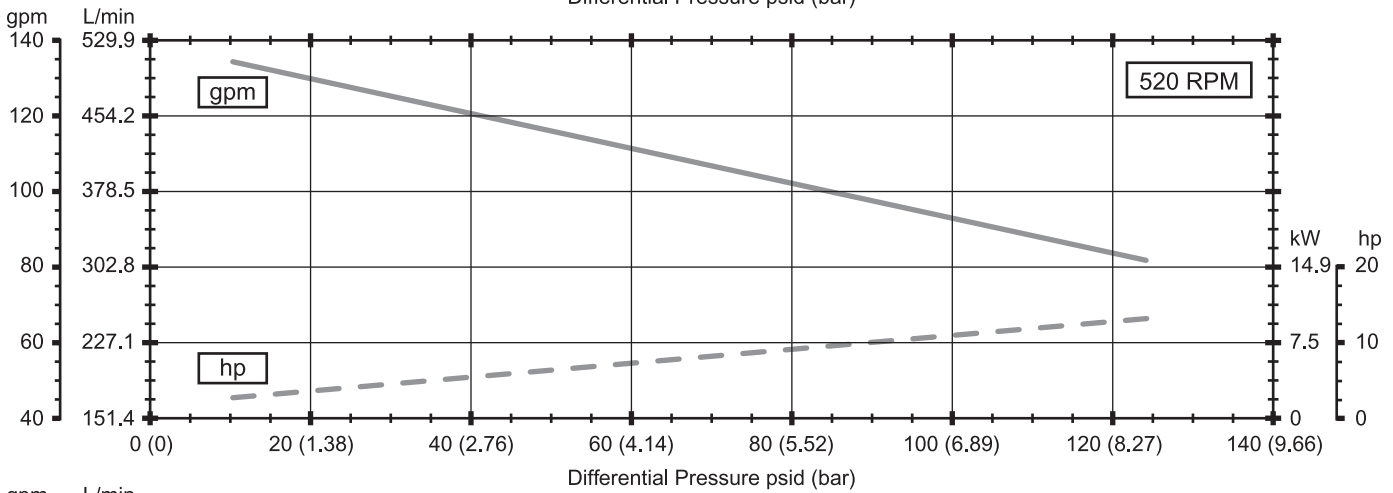
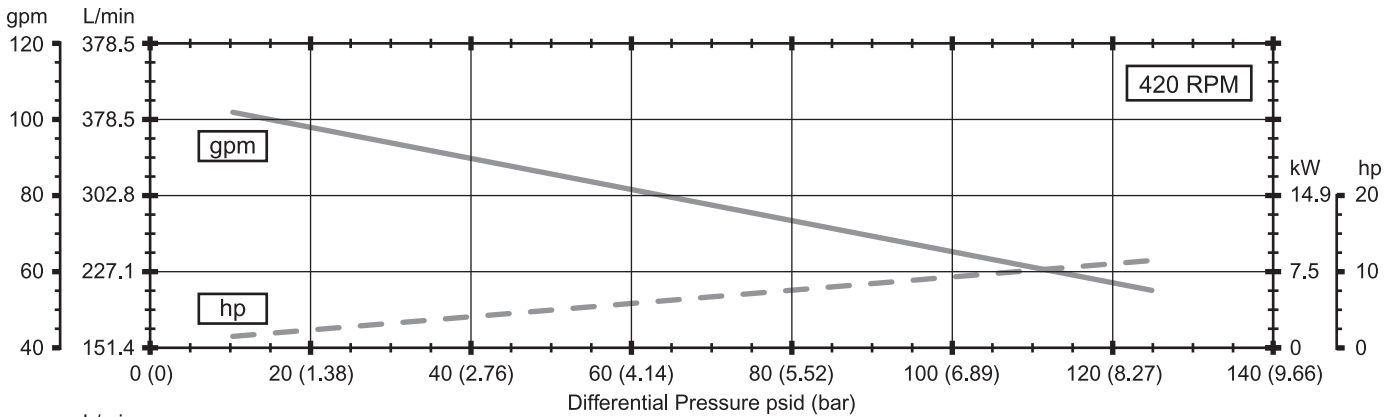
Pump Speed	Differential Pressure	Approximate Delivery of Propane <sup>1</sup>	Brake hp Required	Pump Torque Required
RPM	psid (kPa)	gpm (L/min)	bhp (kW)	ft•lb (N•M)
750	50 (345)	369 (1,397)	12.5 (9.3)	87 (118.0)
750	100 (689)	325 (1,230)	25.1 (18.6)	175 (237.3)
650	50 (345)	316 (1,196)	10.8 (8.0)	87 (118.0)
650	100 (689)	278 (1,052)	21.7 (16.1)	175 (237.3)
600	50 (345)	289 (1,094)	9.9 (7.3)	87 (118.0)
600	100 (689)	254 (961)	20.0 (14.8)	175 (237.3)
500	50 (345)	236 (893)	8.3 (6.2)	87 (118.0)
500	100 (689)	208 (787)	16.7 (12.4)	175 (237.3)

<sup>1</sup>Delivery times are approximate—see note on page 22 for further explanation.

<sup>2</sup>Applies to ZX/ZXH2000 models only.

# Appendix C—Performance Curves

## Z3500



# Appendix C—Performance Curves

## Z4500

