

The following erratum presents the corrections and revision of the HI Application Guideline for Variable Speed Pumping, approved in 2017. An erratum is issued to change and revise any editorial corrections or errors introduced during the publishing process of an existing published Hydraulic Institute standard/guideline.

Please note that this document is released with the acknowledgement and consideration of all other previous revisions made since the last publication of the guideline. The prior revisions to the guideline at the release of this document include N/A.

The Hydraulic Institute and its affiliates caution and encourage all users to ensure that they have the latest edition of any HI standard by periodically checking the following URL: <http://www.pumps.org/standardsupdates.aspx>

~~Red strike through text~~ will be replaced with [blue underlined text](#).

HI Application Guideline for Variable Speed Pumping Errata for tables 5.1b and 5.2b.

Original: Table 5.1b: High static head, US customary units

n (%)	Variable Speed Control						Fixed Speed: Throttle Control					
	Q (gpm)	h (ft)	η (%)	Power Pump (hp)	Electric Power (hp)	Specific Energy (kW·h/gal)	Q (gpm)	h (ft)	η (%)	Power Pump (hp)	Electric Power (hp)	Specific Energy (kW·h/gal)
75	0.264	201.1	59.4	81.8	91.2	0.00118	0.264	357.6	47.2	182.4	193.1	0.00250
80	0.568	216.2	80.0	139.5	154.2	0.000943	0.568	348.1	73.6	244.1	256.1	0.00156
85	0.757	231.3	84.6	187.7	209.2	0.000954	0.757	333.7	81.6	281.6	296.4	0.00135
90	0.911	247.0	85.4	240.0	266.9	0.00100	0.911	317.6	84.9	311.1	327.2	0.00124
95	1.052	263.8	84.8	297.7	329.9	0.00101	1.052	300.2	85.3	336.6	355.4	0.00116
100	1.180	281.1	83.5	362.1	401.0	0.00117	1.180	281.2	83.5	362.1	380.9	0.00111

Corrected: Table 5.1b: High static head, US customary units

	Variable Speed Control						Fixed Speed: Throttle Control					
n (%)	Q (gpm)	h (ft)	η (%)	Power Pump (hp)	Electric Power (hp)	Specific Energy (kW·h/gal)	Q (gpm)	h (ft)	η (%)	Power Pump (hp)	Electric Power (hp)	Specific Energy (kW·h/gal)
75	951	201.1	59.4	81.8	91.2	0.00118	951	357.6	47.2	182.4	193.1	0.00250
80	2045	216.2	80.0	139.5	154.2	0.000943	2045	348.1	73.6	244.1	256.1	0.00156
85	2726	231.3	84.6	187.7	209.2	0.000954	2726	333.7	81.6	281.6	296.4	0.00135
90	3281	247.0	85.4	240.0	266.9	0.00100	3281	317.6	84.9	311.1	327.2	0.00124
95	3788	263.8	84.8	297.7	329.9	0.00101	3788	300.2	85.3	336.6	355.4	0.00116
100	4248	281.1	83.5	362.1	401.0	0.00117	4248	281.2	83.5	362.1	380.9	0.00111

Original: Table 5.2b: Low static head, US customary units

Variable Speed Control							Fixed Speed: Throttle Control					
n (%)	Q (gpm)	h (ft)	η (%)	Power Pump (hp)	Electric Power (hp)	Specific Energy (kW·h/gal)	Q (gpm)	h (ft)	η (%)	Power Pump (hp)	Electric Power (hp)	Specific Energy (kW·h/gal)
75	0.709	176.5	85.2	134.1	147.5	0.000723	0.709	337.9	80.0	272.2	287.0	0.00140
80	0.779	198.8	85.3	164.9	182.4	0.000810	0.779	331.7	82.2	285.6	300.4	0.00134
85	0.845	222.4	85.4	199.8	221.3	0.000908	0.845	325.1	83.8	297.7	313.8	0.00128
90	0.907	247.7	85.4	240.0	265.5	0.00101	0.907	318.2	84.8	310.0	325.9	0.00124
95	0.973	274.3	85.4	284.3	315.1	0.00112	0.973	310.4	85.3	321.8	339.3	0.00120
100	1.035	302.2	85.3	333.9	370.1	0.00123	1.035	302.2	85.3	333.9	351.3	0.00117

Corrected: Table 5.2b: Low static head, US customary units

Variable Speed Control							Fixed Speed: Throttle Control					
n (%)	Q (gpm)	h (ft)	η (%)	Power Pump (hp)	Electric Power (hp)	Specific Energy (kW·h/gal)	Q (gpm)	h (ft)	η (%)	Power Pump (hp)	Electric Power (hp)	Specific Energy (kW·h/gal)
75	<u>2552</u>	176.5	85.2	134.1	147.5	0.000723	<u>2552</u>	337.9	80.0	272.2	287.0	0.00140
80	<u>2805</u>	198.8	85.3	164.9	182.4	0.000810	<u>2805</u>	331.7	82.2	285.6	300.4	0.00134
85	<u>3043</u>	222.4	85.4	199.8	221.3	0.000908	<u>3043</u>	325.1	83.8	297.7	313.8	0.00128
90	<u>3265</u>	247.7	85.4	240.0	265.5	0.00101	<u>3265</u>	318.2	84.8	310.0	325.9	0.00124
95	<u>3503</u>	274.3	85.4	284.3	315.1	0.00112	<u>3503</u>	310.4	85.3	321.8	339.3	0.00120
100	<u>3725</u>	302.2	85.3	333.9	370.1	0.00123	<u>3725</u>	302.2	85.3	333.9	351.3	0.00117