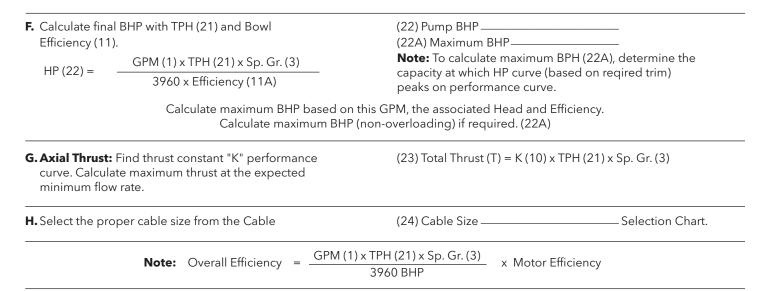


## Model VAS – Supplemental Data **200.F.05** (Sup. 2B.7, 7/30/76)

## **VAS SELECTION PROCEDURE**

	SPECIFIED	
A. Select pump size and number of stages from VAS curves. Record all data. Check bowl pressure limitations from Engineering Data Section (E.D.S.).	(1) G.P.M (2) Pumping Head _	Ft.
	(3) Sp. Gr(4) Pumping Temp	°F
	Note: For fluid temperature higher than 85° F, contact factory for motor HP derate.  (5) R.P.M (6) Setting Ft.	
	(6) K.F.IVI. ——————————————————————————————————	
	(oa) I.P.L. ————	——— Гl.
FROM CURVE:	(0) I D: A In	
(7) Size (8) No. Stages		
(10) K = (11) Bowl Efficiency	% (12) Estimated HP	
(13) Curve No. ———		
<b>B.</b> Record bowl assembly length and motor length. Record column length.	(14) Bowl Assembly Length	In.
	(15) Motor Length	
	(6) Column Length	
	(16) T.P.L. = (14) + (15) + (6) =	
C. Column Friction Loss: Select column size from chart, using the non-shaded figures for the selection.  Determine friction loss and record.	(17) Column	In.
	(18) Column Friction Loss	Ft.
	(19) Elbow Friction Loss	
	(20) Total Friction Loss = (18) + (19) =	Ft.
<b>D.</b> Add (20) and (2) to obtain Total Pump Head (TDH) and record.	(21) T.P.H. = (2) + (20) =	Ft.
E. Refer to pump curves and make the final pump	(11A) Final Bowl Efficiency	%
selection with TPH (21). Record data (13A) (10A)	(8A) Final No. of Stages	
(11A).	(9A) Final Imp. Dia	
	'	

## Model VAS – Supplemental Data **200.F.05** (Sup. 2B.7, 7/30/76)



K. Enter all data on TD Estimate Sheet and Quotation Form. Price pump and all auxiliary items from price book. Check to see that discharge pressure does not exceed column and discharge elbow ratings. Note: Flow of fluid between well casing and motor O.D. must be at least 1 ft./sec. at 85° F. If flow is slower or temperature is higher, contact the factory for derating of motor HP.

Xylem Inc.

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