

16S EASY SELECTION CHART

16 GPM

SELECTION CHARTS

FLOW RANGE

PUMP OUTLET

(Ratings are in GALLONS PER MINUTE-GPM)

(10 TO 20 GPM)

1 1/4 " NPT

DEPTH TO PUMPING WATER LEVEL (LIFT) IN FEET

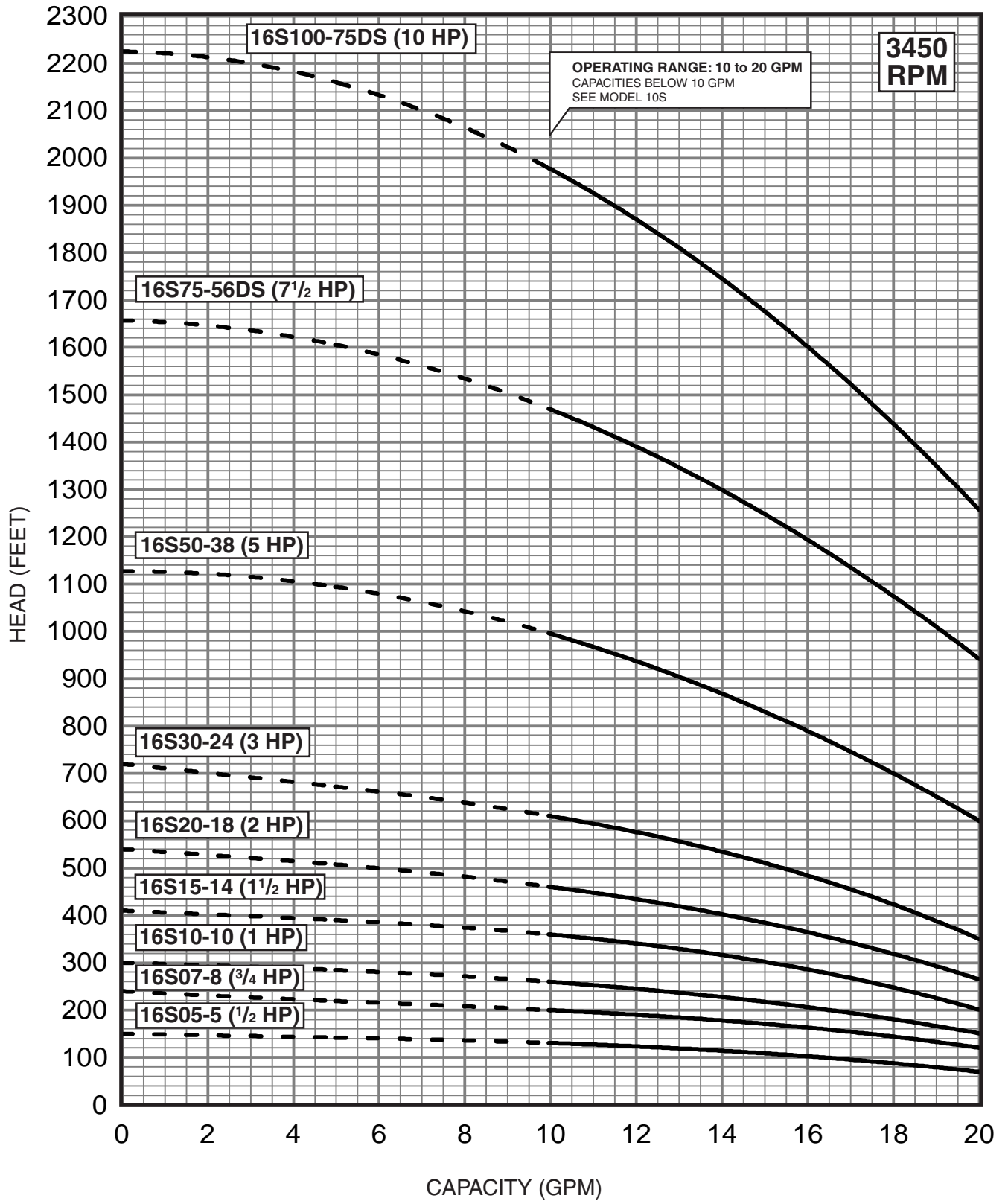
PUMP MODEL	HP	PSI	20	40	60	80	100	120	140	160	180	200	220	240	260	280	300	340	400	460	520	600	700	800	900	1000	1100		
16S05-5	1/2	20	20.3	18.2	14.1	10.0	5.0																						
		30	17.3	14.4	8.0	1.6																							
		40	12.7	8.0	4.0																								
		50	6.5																										
		60	2.9																										
SHUT-OFF PSI:			58	49	40	32	23	14																					
16S07-8	3/4	0					20.5	19.2	17.5	15.8	12.8	9.8	5.2																
		20			20.1	18.8	16.9	15.2	11.8	8.5	4.3																		
		30	21.2	19.9	18.4	16.9	14.3	11.8	7.5	3.2	1.6																		
		40	19.7	18.3	16.3	14.3	10.8	7.2	3.6																				
		50	17.9	16.3	13.5	10.7	6.2	1.7																					
SHUT-OFF PSI:			97	88	80	71	62	54	45	36	28	19	10																
16S10-10	1	0						20.8	19.8	18.8	17.3	15.9	13.7	11.4	8.0	4.7													
		20				20.5	19.4	18.3	16.8	15.3	12.9	10.5	7.0	3.5	1.8														
		30			20.3	19.3	18.1	16.8	14.8	12.8	9.8	6.7	3.3																
		40		20.2	19.1	18.0	16.4	14.8	12.2	9.6	5.9	2.3																	
		50	20.0	19.0	17.7	16.3	14.2	12.0	8.8	5.6	2.8																		
SHUT-OFF PSI:			123	115	106	97	89	80	71	63	54	45	37	28	19	11													
16S15-14	1 1/2	0							21.0	20.3	19.6	18.8	18.0	16.9	15.8	14.3	10.7	3.3											
		20							20.1	19.3	18.5	17.7	16.6	15.4	13.8	12.2	10.0	5.1											
		30					20.7	20.0	19.2	18.4	17.4	16.5	15.1	13.7	11.8	9.8	7.3	2.4											
		40				20.6	19.8	19.1	18.3	17.4	16.0	15.0	13.3	11.6	9.3	7.0	4.3												
		50			20.4	19.8	18.9	18.2	17.2	16.1	14.7	13.2	11.2	9.1	6.5	3.9	2.0												
SHUT-OFF PSI:				167	158	149	141	132	123	115	106	97	89	80	71	63	54	37	28										
16S20-18	2	0											21.2	20.6	20.0	19.5	18.9	18.2	16.7	13.5	8.8	2.7							
		20											20.4	19.8	19.3	18.7	18.0	17.3	16.4	14.3	10.0	4.2							
		30											20.3	19.8	19.2	18.6	17.9	17.2	16.3	15.3	12.8	7.9	1.9						
		40								20.3	19.7	19.1	18.5	17.8	17.1	16.1	15.2	13.9	11.1	5.7									
		50						20.2	19.6	19.0	18.3	17.7	16.8	16.0	14.9	13.8	12.3	9.2	3.2										
SHUT-OFF PSI:						194	186	177	168	160	151	142	134	125	116	108	90	65	39	13									
16S30-24	3	0																	19.6	18.3	16.5	14.2	9.8	2.1					
		20																	20.3	19.9	19.5	18.6	17.0	14.8	11.8	6.5			
		30																	20.3	19.8	19.4	19.0	18.0	16.3	13.7	10.4	4.7		
		40																	20.2	19.8	19.3	18.9	18.4	17.3	15.3	12.5	8.9	2.8	
		50																	20.2	19.8	19.3	18.8	18.3	17.8	16.7	14.3	11.3	7.3	
SHUT-OFF PSI:										239	230	221	213	204	195	187	169	143	117	91	57	13							
16S50-38	5	0																			21.5	20.4	18.7	16.5	13.4	8.9	2.1		
		20																			20.9	19.6	17.7	15.2	11.5	6.1			
		30																			21.4	20.5	19.2	17.2	14.5	10.5	4.5		
		40																			21.1	20.2	18.8	16.7	13.7	9.3	2.7		
		50																			21.6	20.7	19.8	18.4	16.1	12.8	8.0	0.8	
SHUT-OFF PSI:																				314	288	262	227	184	141	98	54	11	

See 16S performance curves for higher head models.
SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

FLOW RANGE: 10 -20 GPM

OUTLET SIZE: 1 1/4 " NPT

NOMINAL DIA. 4"



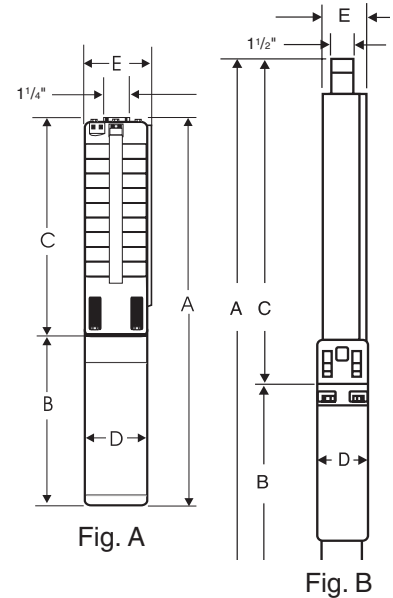
SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.
4" MOTOR STANDARD, .5 -5 HP/3450 RPM.
6" MOTOR STANDARD, 7.5 -10HP/3450 RPM.

Performance conforms to ISO 9906: 1999 (E) Annex A
Minimum submergence is 2 feet.

DIMENSIONS AND WEIGHTS

MODEL NO.	FIG.	HP	MOTOR SIZE	DISCH. SIZE	DIMENSIONS IN INCHES					APPROX. SHIP WT.
					A	B	C	D	E	
16S05-5	A	1/2	4"	1 1/4" NPT	19.7	9.5	10.2	3.8	3.9	27
16S07-8	A	3/4	4"	1 1/4" NPT	23.4	10.7	12.7	3.8	3.9	29
16S10-10	A	1	4"	1 1/4" NPT	26.2	11.8	14.4	3.8	3.9	32
16S15-14	A	1 1/2	4"	1 1/4" NPT	32.8	15.1	17.7	3.8	3.9	36
16S20-18	A	2	4"	1 1/4" NPT	36.0	15.1	20.9	3.8	3.9	40
16S30-24	A	3	4"	1 1/4" NPT	46.5	20.6	25.9	3.8	3.9	64
16S50-38	A	5	4"	1 1/4" NPT	61.1	23.6	37.5	3.8	3.9	94
16S75-56DS*	B	7 1/2	6"	1 1/4" MPT	93.0	24.2	68.8	5.4	4.6	220
16S100-75DS*	B	10	6"	1 1/4" MPT	109.9	25.4	84.5	5.4	4.6	245

NOTES: All models suitable for use in 4" wells, unless otherwise noted.
 Weights include pump end with motor in lbs..
 * Built into sleeve 1 1/4" MPT discharge, 6" min. well dia.



MATERIALS OF CONSTRUCTION

COMPONENT	SPLINED SHAFT (5-24 Stgs.)	CYLINDRICAL SHAFT (38 Stgs.)	DEEP SET (56-75 Stgs.)
Check Valve Housing	304 Stainless Steel	304 Stainless Steel	304 Stainless Steel
Check Valve	304 Stainless Steel	304 Stainless Steel	304 Stainless Steel
Diffuser Chamber	304 Stainless Steel	304 Stainless Steel	304 Stainless Steel
Impeller	304 Stainless Steel	304 Stainless Steel	304 Stainless Steel
Suction Interconnector	304 Stainless Steel	304 Stainless Steel	304 Stainless Steel
Inlet Screen	304 Stainless Steel	304 Stainless Steel	304 Stainless Steel
Pump Shaft	304 Stainless Steel	431 Stainless Steel	431 Stainless Steel
Straps	304 Stainless Steel	304 Stainless Steel	304 Stainless Steel
Cable Guard	304 Stainless Steel	304 Stainless Steel	304 Stainless Steel
Priming Inducer	304 Stainless Steel	304 Stainless Steel	304 Stainless Steel
Coupling	316/431 Stainless Steel	316/431 Stainless Steel	329/416 Stainless Steel**
Check Valve Seat	NBR/304 Stainless Steel	NBR/316 Stainless Steel	NBR/316 Stainless Steel
Top Bearing	NBR	NBR/316 Stainless Steel	NBR/316 Stainless Steel
Impeller Seal Ring	NBR/PBT (Valox®)	NBR/PPS (Ryton®)	NBR/PPS (Ryton®)
Intermediate Bearings	NBR	304 Stainless Steel	NBR/316 Stainless Steel
Shaft Washer	Not Required	LCP (Vectra®)	LCP (Vectra®)
Split Cone	Not Required	304 Stainless Steel	304 Stainless Steel
Split Cone Nut	Not Required	316 Stainless Steel	304 Stainless Steel
Sleeve	Not Required	Not Required	316 Stainless Steel
Sleeve Flange	Not Required	Not Required	304 Stainless Steel
Coupling Key	Not Required	Not Required	302/304 Stainless Steel**

NOTES: Specifications are subject to change without notice.
 Valox® is a registered trademark of General Electric Co.
 Vectra® is a registered trademark of Hoechst Calanese Corporation.
 Ryton® is a registered trademark of Phillips 66.
***Stainless Steel option available.**
 ** If using 4" non-standard motors, refer to 329/420/431 Stainless Steel for coupling.
 A coupling key is not required.