

40S EASY SELECTION CHART

40 GPM

SELECTION CHARTS

(Ratings are in GALLONS PER MINUTE-GPM)

FLOW RANGE
(24 TO 55 GPM)

PUMP OUTLET
2" 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		
40S10-3	1	20	46.2	33.0																									
		30	69.3																										
		40	92.4																										
		50	116																										
		60	139																										
SHUT-OFF PSI:		0	28	19	11	2																							
40S15-5	1 1/2	0	0				52.0	41.0	24.0																				
		20	46.2	57.0	50.0	37.0	18.0																						
		30	69.3	48.0	34.0	15.0																							
		40	92.4	31.0	11.0																								
		50	116	7.0																									
SHUT-OFF PSI:		0	52	44	35	26	18	9																					
40S20-7	2	0	0				54.0	49.0	40.0	29.0	15.0																		
		20	46.2		53.0	46.0	37.0	25.0	10.0																				
		30	69.3		52.0	45.0	35.0	23.0	8.0																				
		40	92.4	51.0	44.0	33.0	21.0	5.0																					
		50	116	42.0	32.0	18.0	2.0																						
SHUT-OFF PSI:		0	77	68	59	51	42	33	25	16	7																		
40S30-9	3	0	0					53.0	47.0	41.0	32.0	22.0																	
		20	46.2				51.0	45.0	38.0	29.0	19.0																		
		30	69.3				50.0	44.0	37.0	28.0	17.0																		
		40	92.4		54.0	50.0	43.0	35.0	26.0	15.0																			
		50	116	54.0	49.0	42.0	34.0	24.0	13.0																				
SHUT-OFF PSI:		0	102	94	85	76	68	59	50	42	33	24	16	7															
40S50-12	5	0	0						53.0	49.0	44.0	39.0	32.0	25.0	16.0														
		20	46.2						52.0	48.0	43.0	37.0	30.0	22.0	13.0														
		30	69.3						51.0	47.0	42.0	36.0	29.0	21.0	12.0														
		40	92.4						51.0	46.0	41.0	35.0	28.0	20.0	11.0														
		50	116		54.0	50.0	45.0	40.0	34.0	26.0	18.0	9.0																	
SHUT-OFF PSI:		0	130	122	113	104	96	87	78	70	61	52	44	35	26	18													
40S50-15	5	0	0							52.0	49.0	46.0	42.0	37.0	26.0														
		20	46.2							51.0	48.0	45.0	40.0	35.0	30.0	24.0													
		30	69.3							51.0	48.0	44.0	40.0	35.0	29.0	23.0	16.0												
		40	92.4							51.0	47.0	43.0	39.0	34.0	28.0	21.0	14.0												
		50	116							50.0	47.0	43.0	38.0	33.0	27.0	20.0	13.0												
SHUT-OFF PSI:		0					141	132	124	115	107	98	89	81	72	63	55	37	11										
40S75-21	7 1/2	0	0														49.0	41.0	29.0	15.0									
		20	46.2														53.0	51.0	48.0	43.0	32.0	19.0							
		30	69.3														52.0	50.0	48.0	45.0	39.0	27.0	13.0						
		40	92.4														52.0	50.0	48.0	45.0	42.0	35.0	22.0	6.0					
		50	116														52.0	50.0	47.0	44.0	41.0	38.0	30.0	16.0					
SHUT-OFF PSI:		0								181	172	163	155	146	137	129	111	85	59	33									
40S75-25	7 1/2	0	0															51.0	45.0	37.0	23.0								
		20	46.2															52.0	47.0	39.0	29.0	14.0							
		30	69.3															54.0	50.0	44.0	35.0	25.0							
		40	92.4															54.0	52.0	48.0	41.0	32.0	21.0						
		50	116															53.0	52.0	50.0	45.0	38.0	28.0						
SHUT-OFF PSI:		0								203	194	186	177	160	134	108	82	47											
*40S100-30 40S100-30	10	0	0															53.0	49.0	41.0	27.0								
		20	46.2															54.0	50.0	44.0	35.0	20.0							
		30	69.3															52.0	48.0	42.0	32.0	16.0							
		40	92.4															51.0	46.0	39.0	28.0	12.0							
		50	116															49.0	43.0	36.0	25.0	8.0							
SHUT-OFF PSI:		0														222	196	170	144	110	66	23							

* 6" Motor

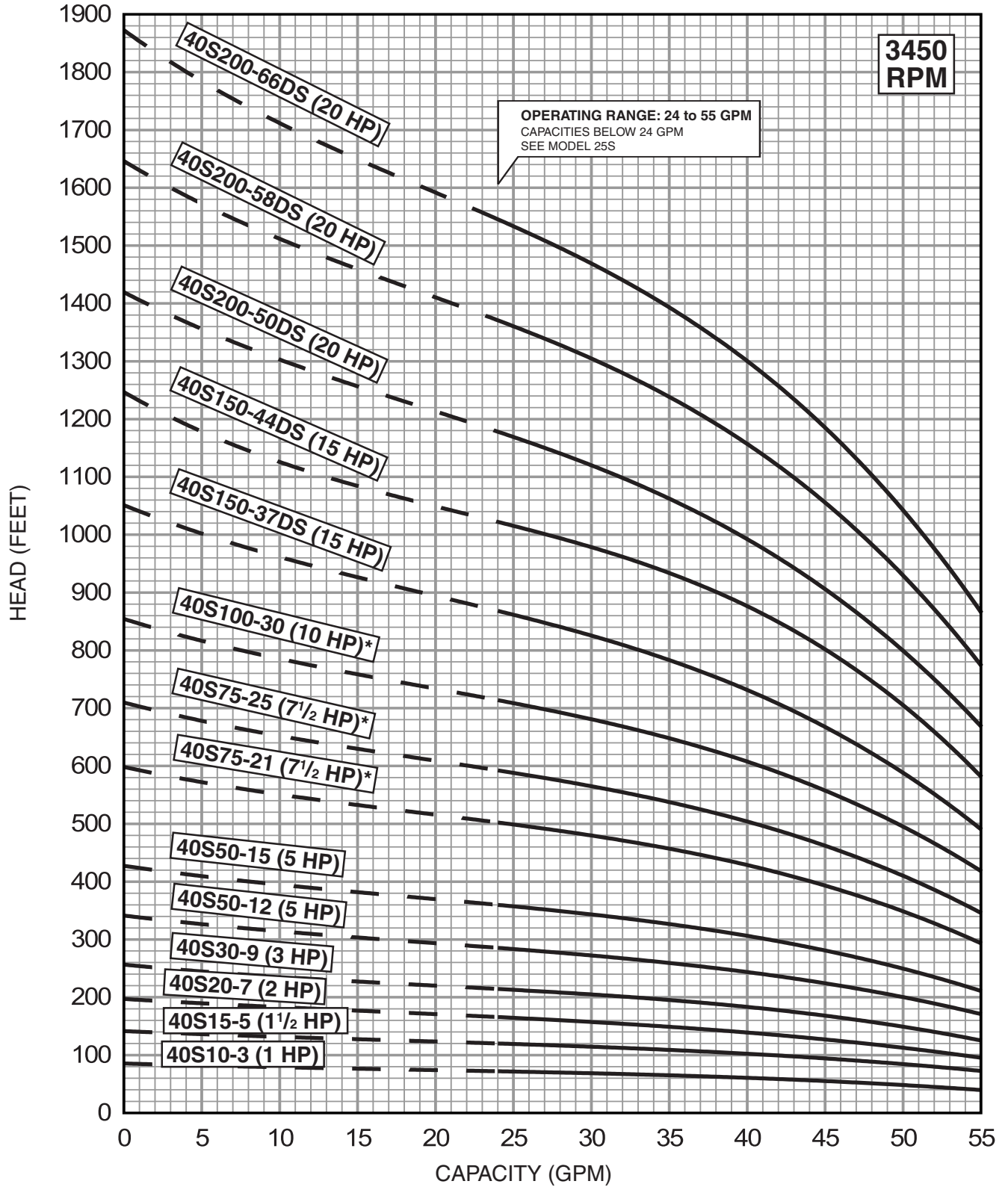
See 40S performance curves for higher head models.

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

FLOW RANGE: 24 - 55 GPM

OUTLET SIZE: 2 " NPT

NOMINAL DIA. 4"



SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.
4" MOTOR STANDARD, 1-10 HP/3450 RPM.
6" MOTOR STANDARD, 15-20 HP/3450 RPM.
* Also available with 6" motor.

Performance conforms to ISO 9906: 1999 (E) Annex A
Minimum submergence is 5 feet.

DIMENSIONS AND WEIGHTS

MODEL NO.	FIG.	HP	MOTOR SIZE	DISCH. SIZE	DIMENSIONS IN INCHES					APPROX. SHIP WT.
					A	B	C	D	E	
40S10-3	A	1	4"	2" NPT	24.6	11.8	12.8	3.8	3.9	32
40S15-5	A	1 1/2	4"	2" NPT	29.7	13.6	16.1	3.8	3.9	37
40S20-7	A	2	4"	2" NPT	34.5	15.1	19.4	3.8	3.9	41
40S30-9	A	3	4"	2" NPT	43.3	20.6	22.7	3.8	3.9	65
40S50-12	A	5	4"	2" NPT	51.3	23.6	27.7	3.8	3.9	78
40S50-15	A	5	4"	2" NPT	56.2	23.6	32.6	3.8	3.9	84
40S75-21*	A	7 1/2	4"	2" NPT	74.6	29.6	45.0	3.8	3.9	120
40S75-25*	A	7 1/2	4"	2" NPT	81.2	29.6	51.6	3.8	3.9	124
40S100-30*	A	10	4"	2" NPT	103.7	43.9	59.8	3.8	3.9	181
40S150-37DS	A	15	6"	2" NPT	99.5	28.0	71.5	5.4	5.4	244
40S150-44DS	A	15	6"	2" NPT	111.0	28.0	83.0	5.4	5.4	340
40S200-50DS**	B	20	6"	2" MPT	136.0	30.6	105.4	5.4	5.5	319
40S200-58DS**	B	20	6"	2" MPT	149.2	30.6	118.6	5.4	5.5	334
40S200-66DS**	B	20	6"	2" MPT	162.4	30.6	131.8	5.4	5.5	394

NOTES: All models suitable for use in 4" wells, unless otherwise noted.
 Weights include pump end with motor in lbs.
 * Also available with 6" motor.
 ** Built into sleeve 2" MPT discharge, 6" min. well dia.

MATERIALS OF CONSTRUCTION

COMPONENT	CYLINDRICAL SHAFT (3-44 Stgs.)	DEEP SET (50-66 Stgs.)
Check Valve Housing	304 Stainless Steel	304 Stainless Steel
Check Valve	304 Stainless Steel	304 Stainless Steel
Diffuser Chamber	304 Stainless Steel	304 Stainless Steel
Impeller	304 Stainless Steel	304 Stainless Steel
Suction Interconnector	304 Stainless Steel	304 Stainless Steel
Inlet Screen	304 Stainless Steel	304 Stainless Steel
Pump Shaft	431 Stainless Steel	431 Stainless Steel
Straps	304 Stainless Steel	304 Stainless Steel
Cable Guard	304 Stainless Steel	304 Stainless Steel
Priming Inducer	304 Stainless Steel	304 Stainless Steel
Coupling	316/431 Stainless Steel **	329/ 416 Stainless Steel
Check Valve Seat	NBR/316 Stainless Steel	NBR/316 Stainless Steel
Top Bearing	NBR/316 Stainless Steel	NBR/316 Stainless Steel
Impeller Seal Ring	NBR/316 Stainless Steel	NBR/316 Stainless Steel
Intermediate Bearings	NBR/316 Stainless Steel	NBR/316 Stainless Steel
Shaft Washer	LCP (Vectra®)	LCP (Vectra®)
Split Cone	304 Stainless Steel	304 Stainless Steel
Split Cone Nut	304 Stainless Steel	304 Stainless Steel
Sleeve	Not Required	316 Stainless Steel
Sleeve Flange	Not Required	304 Stainless Steel

NOTES: Specifications are subject to change without notice.
 Vectra® is a registered trademark of Hoechst Calanese Corporation.
 *Stainless Steel option available.

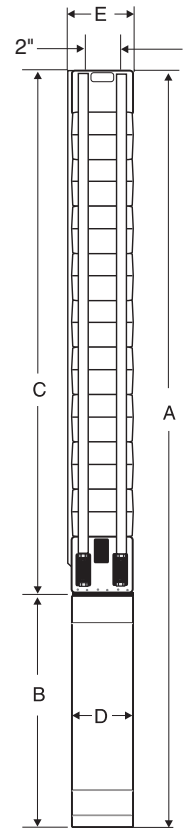


Fig. A

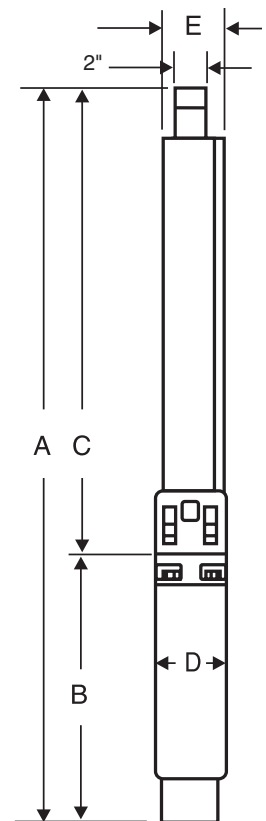


Fig. B