

**MODEL GS**

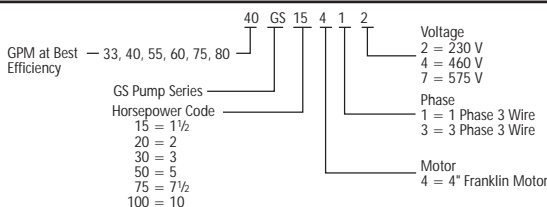
33GS, 40GS, 55GS,  
60GS, 75GS, 80GS



**FEATURES**

- **Powered for Continuous Operation:** All ratings are within the working limits of the motor as recommended by the motor manufacturer. Pump can be operated continuously without damage to the motor.
- **Field Serviceable:** Pump can be rebuilt in the field to like new condition with common tools and readily available spare parts.
- **NOTE: The Model GS has left hand casing threads.**
- **Sand Resistant Construction:** Field proven over almost four decades, face clearance design and floating impellers for an extremely abrasion resistant configuration.
- **Stainless Steel Metal Parts:** AISI types 302, 303 and 304 are corrosion resistant, non-toxic and non-leaching.
- **FDA Compliant Non-Metallic Parts:** Impellers, diffusers and bearing spiders are constructed of a glass filled engineered composite. This material is corrosion resistant and non-toxic.

**ORDER NUMBER CODE**



**SPECIFICATIONS**

Model	Flow Range GPM	Horsepower Range	Best Eff. GPM	Discharge Connection	Minimum Well Size	Rotation <sup>①</sup>
33GS	10 – 50	1 – 10	33	2"	4"	CCW
40GS	20 – 65	1½ – 7½	40	2"	4"	CCW
55GS	20 – 80	1½ – 10	55	2"	4"	CCW
60GS	40 – 80	1½ – 7½	60	2"	4"	CCW
75GS	40 – 100	3 – 10	75	2"	4"	CCW
80GS	50 – 120	3 – 7½	80	2"	4"	CCW

① Rotation is counterclockwise when observed from pump discharge end.

- **Discharge Head:** Precision cast 303 stainless steel for superior strength and durability. Cast in loop for safety line.
- **Motor Adapter:** Precision cast 303 stainless steel is extremely rigid for accurate alignment of liquid end to motor. Generous space for removal of motor mounting nuts with regular open-end wrench.
- **Bowls:** Stainless steel for strength and abrasive resistance.
- **Check Valve:** Built in check valve constructed of stainless steel and low compression, FDA compliant, BUNA rubber for excellent abrasive resistance and quiet, efficient operation.
- **Stainless Steel Casing:** Polished stainless steel is attractive and durable in the most corrosive water.
- **Hex Shaft Design:** Six sided shafts for positive impeller drive.
- **Shaft Coupling:** Exposed for ease of field alignment to motor shaft and to check pump rotation.
- **Upthrust Plate:** Factory installed, internal water lubricated

- thrust bearing to help prevent upthrust damage. Bearing protects internal components if pump is operated beyond maximum recommended capacity.
- **Urethane Upper and Middle Bearings:** Fluted design for free passage of abrasives and excellent resistance to sand damage.
- **Franklin Electric Motor:**
  - Corrosion resistant stainless steel construction through 10 HP.
  - Built-in surge arrestor is provided on single phase motors through 5 HP.
  - Stainless steel splined shaft.
  - Hermetically sealed windings.
  - Replaceable motor lead assembly.
  - UL 778 recognized.
  - NEMA mounting dimensions.
  - Control box is required with 3 wire single phase units.
  - Three phase units require a magnetic starter with three leg protection. Magnetic starter and heaters must be ordered separately.

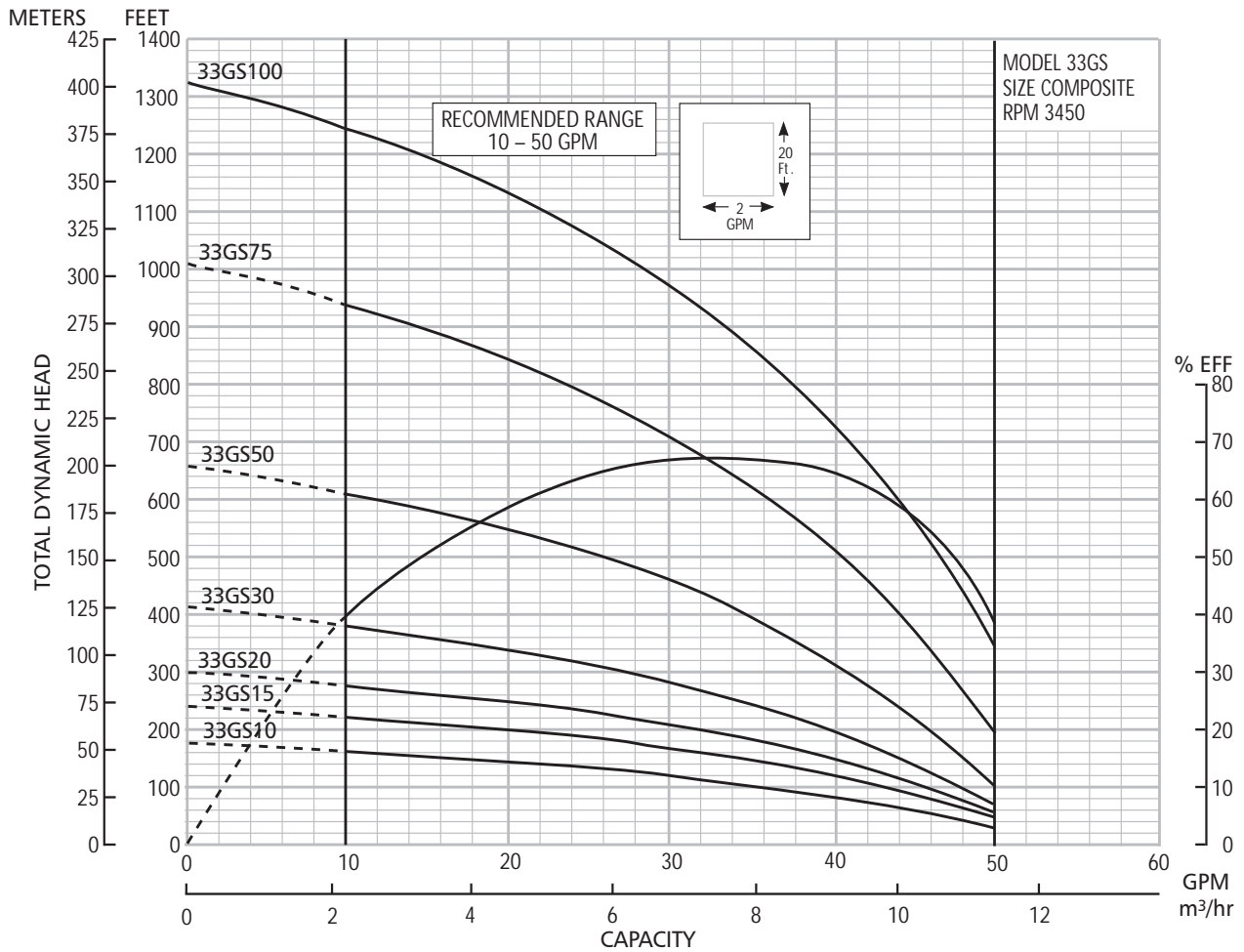
**"GS" SERIES MATERIALS OF CONSTRUCTION**

Part Name	Material
Discharge Head	AISI 303 SS
Check Valve Poppet	AISI 304 SS
Check Valve Seal/Seat Assembly	BUNA, FDA compliant, AISI 304 SS
C.V. Retaining Ring	AISI 302 SS
Adapter Ring	AISI 302 SS
Bearing Spider	Glass Filled Engineered Composite
Upthrust Washer	AISI 304 SS, Powder Metal
Bearing	Urethane, FDA compliant
Shaft Retaining Ring	AISI 301 SS
Diffuser	Glass Filled Engineered Composite
Impeller	
Bowl	AISI 304 SS
Intermediate Sleeve <sup>①</sup>	AISI 304 SS, Powder Metal
Intermediate Shaft Coupling <sup>②</sup>	AISI 304 SS, Powder Metal
Intermediate Bearing Spider <sup>①</sup>	Glass Filled Engineered Composite
Intermediate Bearing Spider <sup>②</sup>	AISI 303 SS
Bearing	Urethane, FDA compliant
Shim	AISI 304 SS
Spacer	AISI 304 SS, Powder Metal
Screws – Cable Guard	AISI 304 SS
Motor Adapter	AISI 303 SS
Casing	AISI 304 SS
Shaft	
Coupling	AISI 304 SS, Powder Metal
Cable Guard	AISI 304 SS
Suction Screen	AISI 304 SS

① and ② – See Repair Part page for where used.

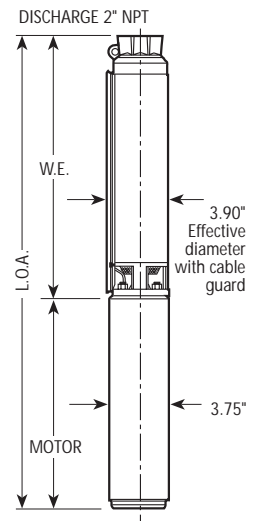
**AGENCY LISTINGS**

- CSA Canadian Standards Association  
Classified ANSI/NSF 61-1992
- Goulds Pumps is ISO 9001 Registered.



## DIMENSIONS AND WEIGHTS

HP	Stages	W.E. Order No.	Motor Order No.	PH	Motor Volts	W.E.① Length	Motor Length	L.O.A.②	W.E. Weight	Motor Weight	Total Weight
1	6	33GS10	S06940	1	230	14.2	11.8	26.0	8	24	32
			S06978		200						
			S06970	3	230	14.2	11.8	26	8	24	32
			S06975		460						
			S06979		575						
1½	8	33GS15	S07940	1	230	16.6	13.6	30.2	9	28	37
			S07978		200						
			S07970	3	230	16.6	11.8	28.4	9	24	33
			S07975		460						
			S07979		575						
2	10	33GS20	S08940	1	230	19.1	15.1	34.2	10	33	43
			S08978		200						
			S08970	3	230	19.1	13.6	32.7	10	28	38
			S08975		460						
			S08979		575						
3	14	33GS30	S09940	1	230	24	19.1	43.1	13	41	54
			S09978		200						
			S09970	3	230	24	16.1	40.1	13	35	48
			S09975		460						
			S09979		575						
5	22	33GS50	S10940	1	230	35.2	28.2	63.4	19	70	89
			S10978		200						
			S10970	3	230	35.2	22.2	57.4	19	55	74
			S10975		460						
			S10979		575						
7½	34	33GS75	S119784		200						
			S119704	3	230	50.6	28.2	78.8	27	70	98
			S119754		460						
			S119794		575						
10	44	33GS100	S129724	3	460	62.8	30.4	93.2	33	75	108
			S129794		575						



**NOTES:**  
 For complete pump, order water end and motor.  
 ① W.E. = water end or pump without motor.  
 ② L.O.A. = length of assembly – complete pump – water end and motor.

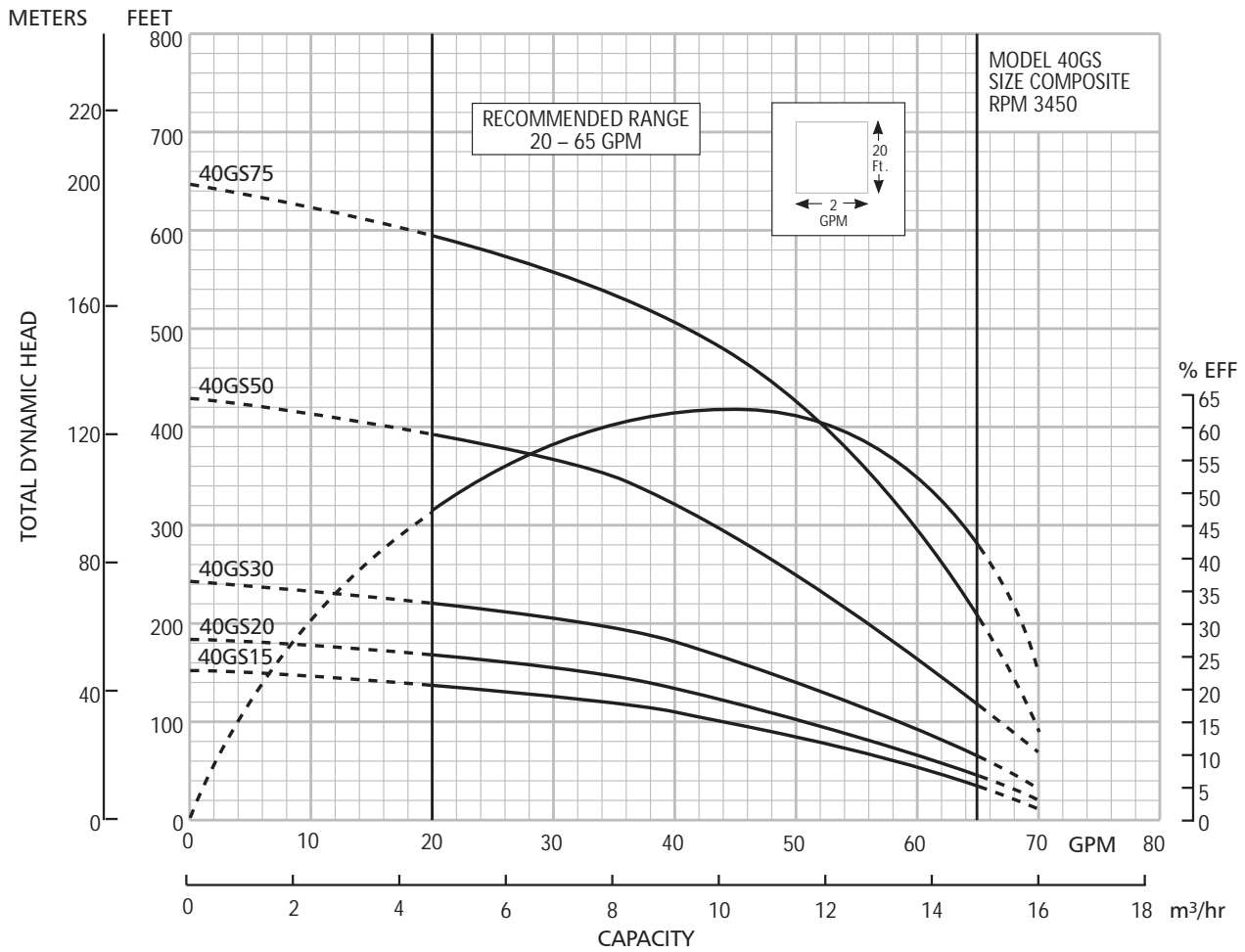
## SELECTION CHART

Horsepower Range 1 – 3, Recommended Range 10 – 50 GPM, 60 Hz, 3450 RPM

Pump Model	HP	PSI	Depth to Water in Feet/Ratings in GPM (Gallons per Minute)																											
			20	40	60	80	100	120	140	160	180	200	220	240	260	280	300	320	340	360	380	400	420	440	460	480	520	560	600	
33GS10	1	0		48	45	41	36	30	22	11																				
		20	44	39	34	28	19																							
		30	39	33	27	17																								
		40	32	25	15																									
		50	24	14																										
		60	12																											
Shut-off PSI			67	58	50	41	32	24	15	6																				
33GS15	1½	0		50	48	46	43	40	37	32	26	19																		
		20	48	45	43	39	35	31	24	17																				
		30	45	42	39	35	30	23	15																					
		40	42	38	34	29	22	14																						
		50	38	33	28	21	12																							
		60	33	27	20	11																								
Shut-off PSI			95	86	78	69	60	52	43	34	26	17																		
33GS20	2	0			49	48	46	44	41	38	35	32	28	22																
		20	49	47	45	43	40	38	34	31	26	21	14																	
		30	47	45	42	40	37	34	30	25	20	13																		
		40	44	42	40	37	33	29	24	19	11																			
		50	42	39	36	33	29	24	18																					
		60	39	36	32	28	23	16																						
Shut-off PSI			121	112	103	95	86	77	69	60	51	43	34	26																
33GS30	3	0				49	48	46	45	43	41	40	38	35	33	31	28	24	20	15										
		20	50	49	47	46	44	43	41	39	37	35	32	30	27	23	19	13												
		30	49	47	46	44	42	41	39	37	34	32	29	26	22	18	12													
		40	47	45	44	42	40	38	36	34	32	29	25	22	17	11														
		50	45	44	42	40	38	36	34	31	28	25	21	16																
		60	43	42	40	38	36	33	31	28	24	20	15																	
Shut-off PSI			170	161	152	144	135	126	118	109	100	92	83	74	66	57	48	40	31	23										

Horsepower Range 5-10, Recommended Range 10 – 50 GPM, 60 Hz, 3450 RPM

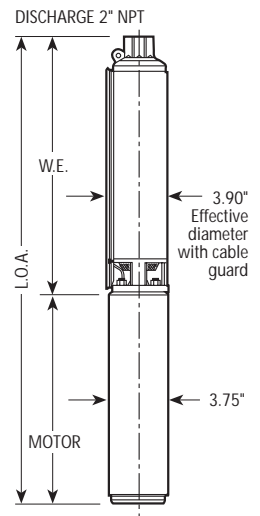
Pump Model	HP	PSI	Depth to Water in Feet/Ratings in GPM (Gallons per Minute)																											
			50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	
33GS50	5	0		50	48	46	44	41	38	35	31	27	20	11																
		20	50	48	46	44	41	38	35	32	27	21	11																	
		30	49	47	45	43	40	37	34	30	25	17																		
		40	48	46	44	41	39	36	32	27	21	12																		
		50	47	45	43	40	37	34	30	25	18																			
		60	46	44	42	39	36	32	28	22	13																			
Shut-off PSI			264	242	220	199	177	156	134	112	91	69	47	26																
33GS75	7½	0				50	48	47	46	44	42	40	38	36	33	31	27	23	19	14										
		20			50	49	47	46	44	42	41	38	36	34	31	28	24	19	14											
		30		50	49	48	46	45	43	42	40	37	35	32	29	26	22	17	12											
		40		50	49	47	46	44	43	41	39	36	34	31	28	24	20	15												
		50		49	48	47	45	43	42	40	38	35	33	30	26	22	17	12												
		60	50	49	47	46	44	43	41	39	37	34	31	28	24	20	15													
Shut-off PSI			415	393	371	350	328	306	285	263	241	220	198	176	155	133	111	90	68	47										
33GS100	10	0							49	48	46	45	43	42	41	40	39	38	36	34	31	28	25	22	18	14				
		20							50	48	46	45	43	42	41	40	39	38	36	34	31	29	25	22	18	14				
		30							49	47	45	44	43	42	41	40	38	37	35	33	30	27	24	20	16	12				
		40						50	48	46	45	44	43	42	40	39	38	36	34	32	29	26	22	18	14					
		50						49	47	45	44	43	42	41	40	39	37	35	33	30	27	24	20	16	12					
		60				50	48	46	45	44	43	42	41	39	38	36	34	32	29	26	22	19	14							
Shut-off PSI			551	529	508	486	464	443	421	399	378	356	334	313	291	269	248	226	205	183	161	140	118	96	75	53				



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## DIMENSIONS AND WEIGHTS

HP	Stages	W.E. Order No.	Motor Order No.	PH	Motor Volts	W.E.① Length	Motor Length	L.O.A.②	W.E. Weight	Motor Weight	Total Weight
1½	5	40GS15	S07940	1	230	12.9	13.6	26.5	8	28	36
			S07978		200						
			S07970	3	230	12.9	11.8	24.7	8	24	32
			S07975		460						
			S07979		575						
2	6	40GS20	S08940	1	230	14.2	15.1	29.3	8	33	41
			S08978		200						
			S08970	3	230	14.2	13.6	27.8	8	28	36
			S08975		460						
			S08979		575						
3	8	40GS30	S09940	1	230	16.6	19.1	35.7	9	41	50
			S09978		200						
			S09970	3	230	16.6	16.1	32.7	9	35	44
			S09975		460						
			S09979		575						
5	14	40GS50	S10940	1	230	24.0	28.2	52.2	13	70	83
			S10978		200						
			S10970	3	230	24.0	22.2	46.2	13	55	68
			S10975		460						
			S10979		575						
7½	21	40GS75	S119784		200						
			S119704	3	230	34.0	28.2	62.2	18	70	88
			S119754		460						
			S119794		575						



### NOTES:

For complete pump, order water end and motor.

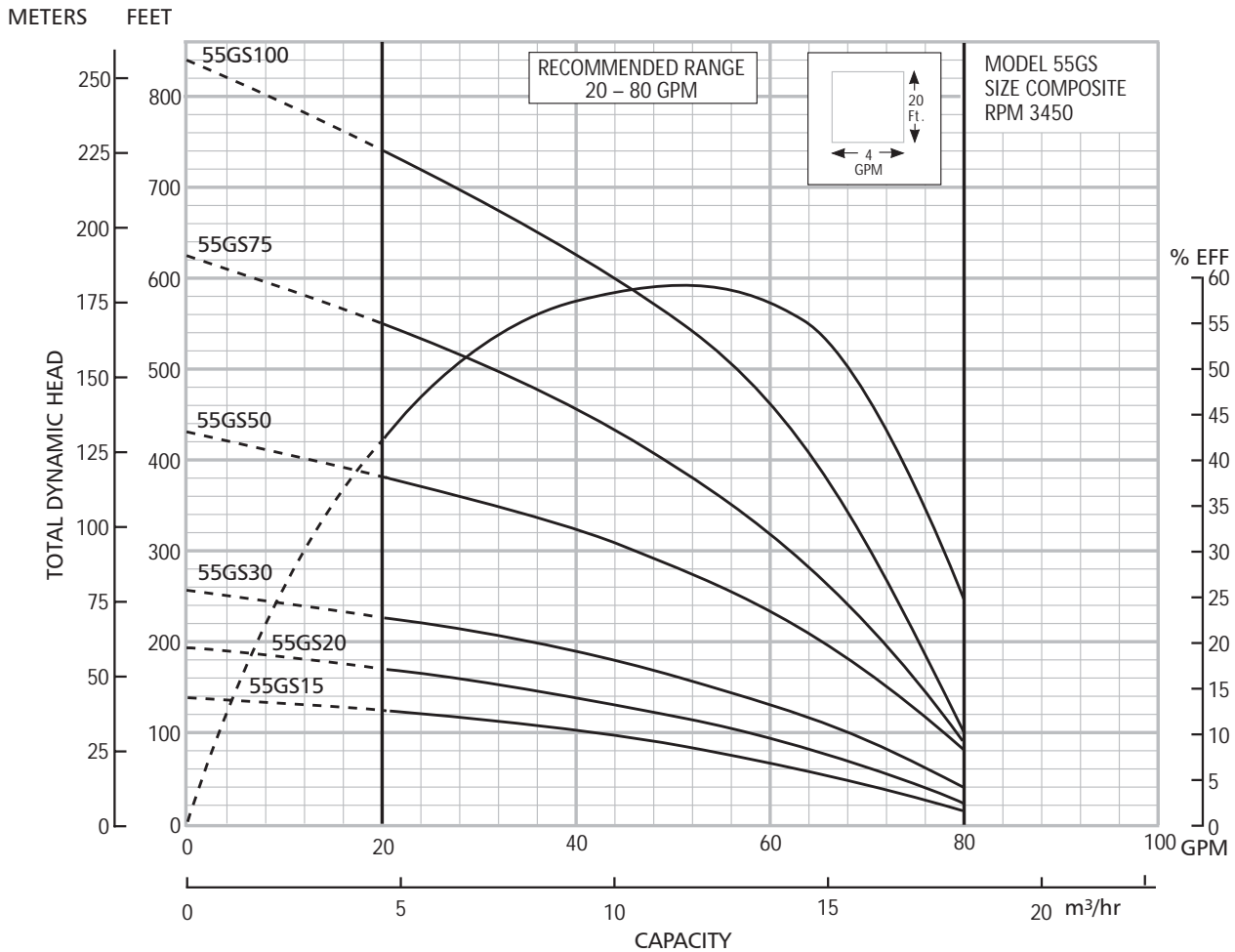
① W.E. = water end or pump without motor.

② L.O.A. = length of assembly – complete pump – water end and motor.

## SELECTION CHART

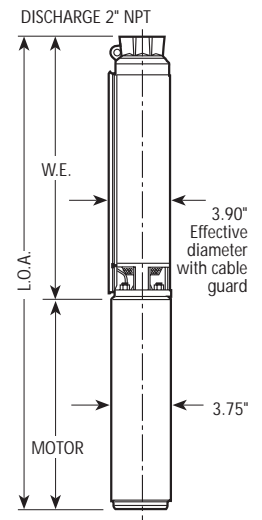
Horsepower Range 1½ – 7½, Recommended Range 20 – 65 GPM, 60 Hz, 3450 RPM

Pump Model	HP	PSI	Depth to Water in Feet/Ratings in GPM (Gallons per Minute)																										
			20	40	60	80	100	120	140	160	180	200	220	240	260	280	300	320	340	360	380	400	440	480	520	560	600	640	
40GS15	1½	0		65	59	53	46	35																					
		20	58	51	43	31																							
		30	50	41	28																								
		40	40	25																									
		50	22																										
		60																											
Shut-off PSI			57	49	40	31	23	14																					
40GS20	2	0			63	58	53	47	38	25																			
		20	61	57	51	44	35																						
		30	56	50	43	33																							
		40	49	42	31																								
		50	40	29																									
		60	26																										
Shut-off PSI			71	62	53	45	36	27	19	10																			
40GS30	3	0				63	59	56	51	47	41	33	20																
		20	65	62	58	54	50	45	38	32	30																		
		30	61	58	54	49	44	37	28																				
		40	57	53	48	43	36	26																					
		50	52	48	42	35	24																						
		60	47	41	33	21																							
Shut-off PSI			97	88	80	71	62	54	45	36	28	19	10																
40GS50	5	0						65	64	62	60	58	56	53	51	48	45	42	38	33	26								
		20				65	63	61	59	57	55	52	50	47	44	41	36	31	23										
		30			64	63	61	59	57	54	52	50	47	44	40	36	30	21											
		40		64	62	60	58	56	54	52	49	46	43	39	35	29	20												
		50	64	62	60	58	56	54	51	49	46	43	39	34	28														
		60	62	60	58	56	53	51	48	45	42	38	33	26															
Shut-off PSI			178	169	161	152	143	135	126	117	109	100	91	83	74	65	57	48	39	31	22								
40GS75	7½	0									65	64	63	62	61	60	59	57	56	54	53	49	44	38	30				
		20									65	64	63	62	61	59	58	57	55	54	52	50	48	43	37	28			
		30									65	64	63	62	61	59	58	57	55	53	52	50	48	45	40	32	22		
		40								65	64	63	62	60	59	58	56	55	53	51	49	47	45	42	36	27			
		50						65	64	62	61	60	59	58	56	55	53	51	50	47	45	42	39	31	20				
		60			65	64	63	62	61	60	59	57	56	54	53	51	49	47	44	41	38	35	25						
Shut-off PSI			271	263	254	245	237	228	219	211	202	194	185	176	168	159	150	142	133	124	116	107	90	72	55	38			



## DIMENSIONS AND WEIGHTS

HP	Stages	W.E. Order No.	Motor Order No.	PH	Motor Volts	W.E.① Length	Motor Length	L.O.A.②	W.E. Weight	Motor Weight	Total Weight
1½	5	55GS15	S07940	1	230	17.1	13.6	30.7	10	28	38
			S07978		200						
			S07970	3	230	17.1	11.8	28.9	10	24	34
			S07975		460						
			S07979		575						
2	7	55GS20	S08940	1	230	21.2	15.1	36.3	12	33	45
			S08978		200						
			S08970	3	230	21.2	13.6	34.8	12	28	40
			S08975		460						
			S08979		575						
3	9	55GS30	S09940	1	230	25.3	19.1	44.4	15	41	56
			S09978		200						
			S09970	3	230	25.3	16.1	41.4	15	35	50
			S09975		460						
			S09979		575						
5	15	55GS50	S10940	1	230	39.1	28.2	67.3	22	70	92
			S10978		200						
			S10970	3	230	39.1	22.2	61.3	22	55	77
			S10975		460						
			S10979		575						
7½	22	55GS75	S119784		200						
			S119704	3	230	54.1	28.2	82.3	31.7	70	102
			S119754		460						
			S119794		575						
			S129724		460						
10	29	55GS100	S129794	3	575	68.4	30.4	98.8	39	75	116



### NOTES:

For complete pump, order water end and motor.

① W.E. = water end or pump without motor.

② L.O.A. = length of assembly – complete pump – water end and motor.

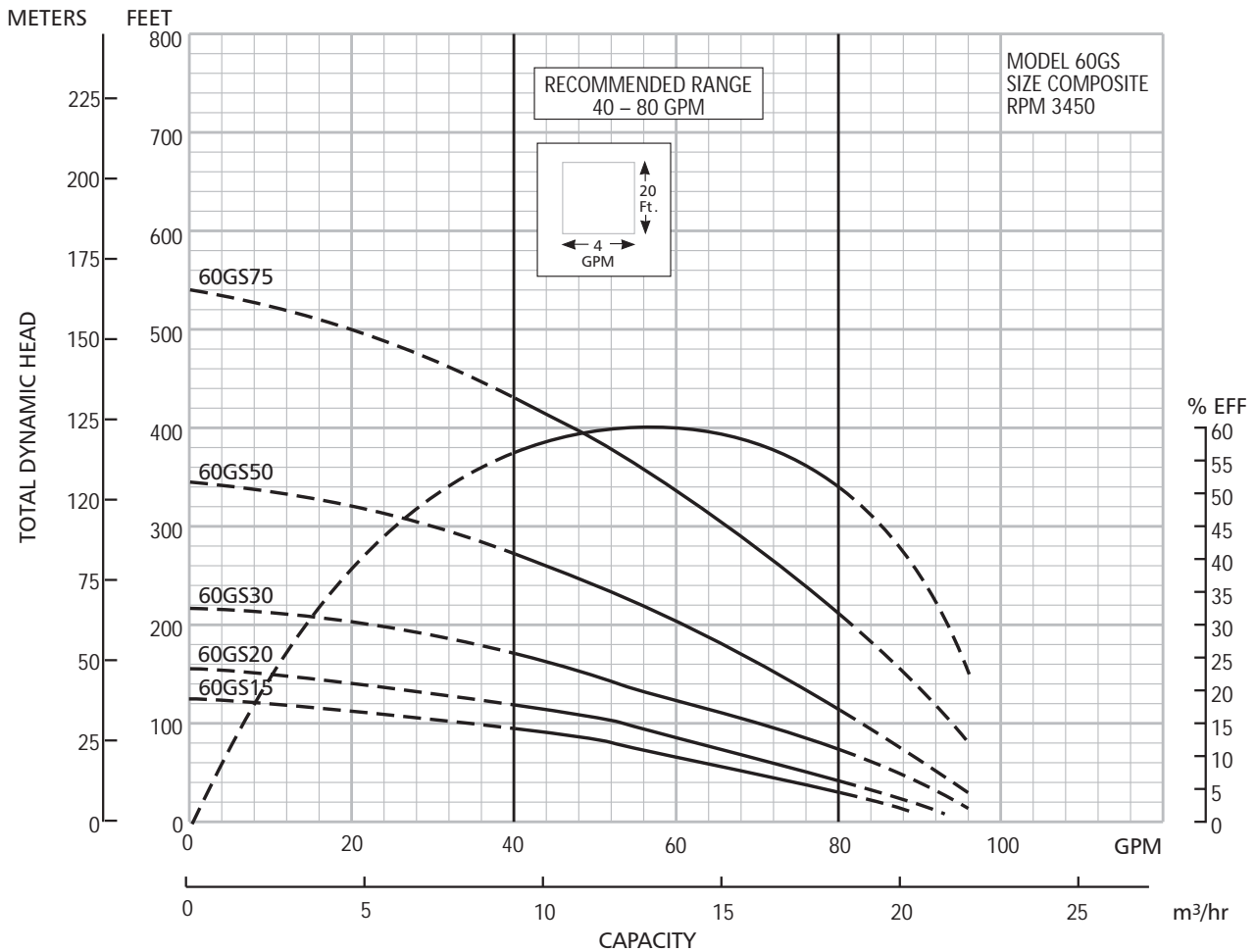
## SELECTION CHART

Horsepower Range 1½ – 5, Recommended Range 20 – 80 GPM, 60 Hz, 3450 RPM

Pump Model	HP	PSI	Depth to Water in Feet/Ratings in GPM (Gallons per Minute)																											
			20	40	60	80	100	120	140	160	180	200	220	240	260	280	300	320	340	360	380	400	420	440	460	480	500			
55GS15	1½	0	78	71	64	54	42	24																						
		20	61	51	37																									
		30	49	35																										
		40	32																											
		50																												
		60																												
Shut-off PSI			52	43	35	26	17	9																						
55GS20	2	0		76	71	65	58	50	41	28																				
		20	69	63	56	48	37	24																						
		30	62	55	46	35	21																							
		40	54	45	34																									
		50	43	32																										
		60	29																											
Shut-off PSI			76	67	58	50	41	32	24	15																				
55GS30	3	0		80	76	72	68	63	58	52	44	35																		
		20	75	71	67	62	56	49	42	32																				
		30	70	66	61	55	48	40	30																					
		40	65	60	54	47	39	28																						
		50	59	53	46	37	26																							
		60	52	45	36	25																								
Shut-off PSI			102	94	85	76	68	59	50	42	33	24																		
55GS50	5	0				80	78	76	73	71	68	65	62	58	55	50	46	40	34	27										
		20		80		77	75	73	70	67	64	61	57	53	49	44	39	32	25											
		30	79	77	75	72	70	67	64	60	57	53	48	43	38	31	24													
		40	77	74	72	69	66	63	60	56	52	47	42	37	30	23														
		50	74	71	69	66	63	59	55	51	47	42	36	29	22															
		60	71	68	65	62	59	55	51	46	41	35	28	20																
Shut-off PSI			178	169	161	152	143	135	126	117	109	100	91	83	74	65	57	48	39	31										

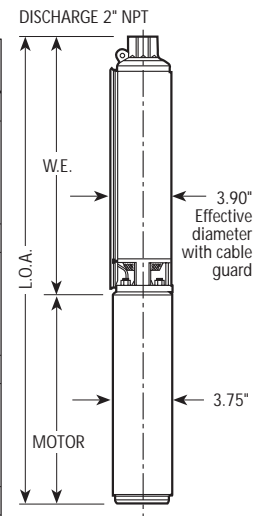
Horsepower Range 7½ – 10, Recommended Range 20 – 80 GPM, 60 Hz, 3450 RPM

Pump Model	HP	PSI	Depth to Water in Feet/Ratings in GPM (Gallons per Minute)																											
			20	60	100	140	180	220	260	300	340	380	420	460	500	540	580	620	660	700	740	780	820	860	900	940	980			
55GS75	7½	0			79	76	73	70	66	62	58	52	46	39	31	22														
		20		78	76	73	69	66	61	57	52	45	38	30	20															
		30	80	77	74	71	67	63	59	54	48	41	33	24																
		40	78	75	72	69	65	61	56	51	44	37	28																	
		50	76	73	70	67	63	58	53	47	40	32	23																	
		60	75	72	68	64	60	55	50	43	36	27																		
Shut-off PSI			261	243	226	209	191	174	157	139	122	105	88	70	53	36														
55GS100	10	0			80	78	76	75	73	71	68	66	63	60	56	51	47	41	35	28										
		20		80	78	76	74	73	70	68	65	62	59	55	51	46	40	33	26											
		30		79	77	75	73	71	69	67	64	61	57	53	48	42	36	29	22											
		40	79	78	76	74	72	70	68	65	62	59	55	50	45	39	32	25												
		50	78	77	75	73	71	69	66	63	60	56	52	47	42	35	28	21												
		60	77	76	74	72	70	67	65	61	58	54	49	44	38	31	24													
Shut-off PSI			353	336	319	301	284	267	250	232	215	198	180	163	146	128	111	94	76	59										



## DIMENSIONS AND WEIGHTS

HP	Stages	W.E. Order No.	Motor Order No.	PH	Motor Volts	W.E.① Length	Motor Length	L.O.A.②	W.E. Weight	Motor Weight	Total Weight
1½	4	60GS15	S07940	1	230	15.0	13.6	28.6	8	28	36
			S07978		200						
			S07970	3	230	15.0	11.8	26.8	8	24	32
			S07975		460						
			S07979		575						
2	5	60GS20	S08940	1	230	17.1	15.1	32.2	9	33	42
			S08978		200						
			S08970	3	230	17.1	13.6	30.7	9	28	37
			S08975		460						
			S08979		575						
3	7	60GS30	S09940	1	230	21.2	19.1	40.3	10	41	51
			S09978		200						
			S09970	3	230	21.2	16.1	37.3	10	35	45
			S09975		460						
			S09979		575						
5	11	60GS50	S10940	1	230	30.9	28.2	59.1	14	70	84
			S10978		200						
			S10970	3	230	30.9	22.2	53.1	14	55	69
			S10975		460						
			S10979		575						
7½	17	60GS75	S119784		200						
			S119704	3	230	43.2	28.2	71.4	19	70	89
			S119754		460						
			S119794		575						



### NOTES:

For complete pump, order water end and motor.

① W.E. = water end or pump without motor.

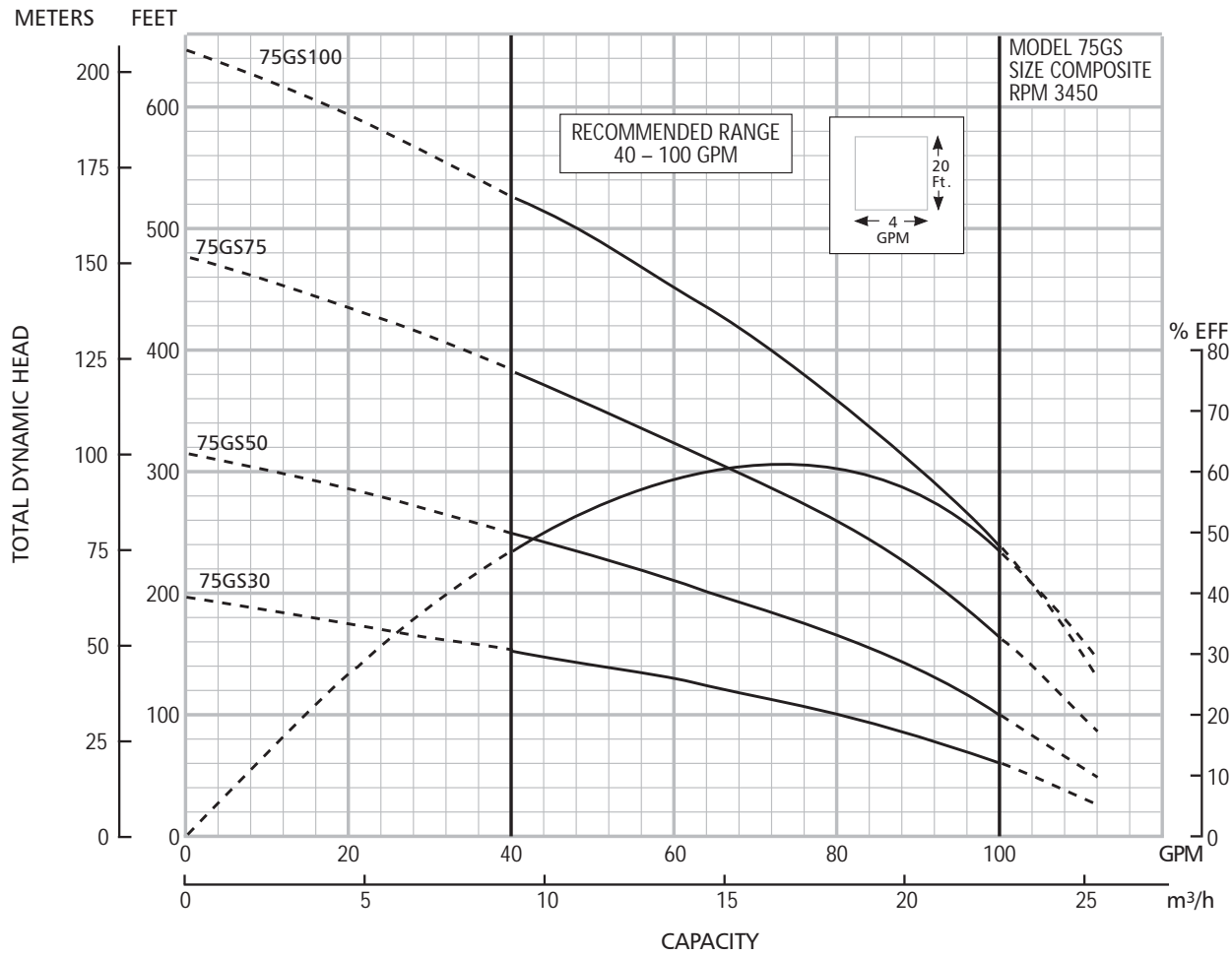
② L.O.A. = length of assembly – complete pump – water end and motor.



## SELECTION CHART

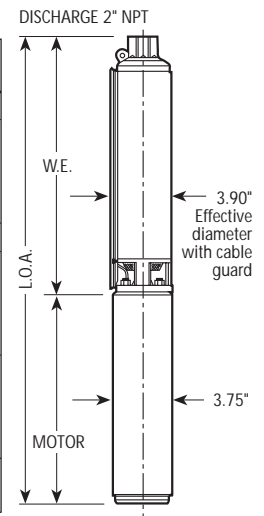
Horsepower Range 1½ – 7½, Recommended Range 40 – 80 GPM, 60 Hz, 3450 RPM

Pump Model	HP	PSI	Depth to Water in Feet/Ratings in GPM (Gallons per Minute)																									
			20	40	60	80	100	120	140	160	180	200	220	240	260	280	300	320	340	360	380	400	420	440	460	480		
60GS15	1½	0		75	64	51																						
		20	60	47																								
		30	44																									
		40																										
		50																										
		60																										
Shut-off PSI			45	36	28	19																						
60GS20	2	0			73	63	52																					
		20	70	60	48																							
		30	58	46																								
		40	44																									
		50																										
		60																										
Shut-off PSI			58	50	41	32	24	15	6																			
60GS30	3	0				77	70	62	54	45																		
		20		74	67	59	51	42																				
		30	73	66	58	50	40																					
		40	65	57	48																							
		50	56	47																								
		60	45																									
Shut-off PSI			86	77	68	60	51	42	34	25																		
60GS50	5	0							75	70	65	60	55	49	43													
		20					73	69	64	59	53	47	41															
		30				73	68	63	58	52	47	40																
		40		76	72	67	62	57	52	46	39																	
		50	76	71	66	62	56	51	45	38																		
		60	70	66	61	55	50	44																				
Shut-off PSI			140	131	123	114	105	97	88	79	71	62	53	45	36													
60GS75	7½	0										78	75	72	69	66	62	59	55	51	47	42						
		20								80	77	74	71	68	65	61	58	54	50	46	41							
		30								80	77	74	71	68	64	61	57	53	49	45	40							
		40							79	76	73	70	67	64	60	56	52	48	44	40								
		50					79	76	73	70	67	63	60	56	52	48	43											
		60				78	76	73	69	66	63	59	55	51	47	43												
Shut-off PSI			224	215	207	198	189	181	172	163	155	146	137	129	120	111	103	94	85	77	68	59	51					



## DIMENSIONS AND WEIGHTS

HP	Stages	W.E. Order No.	Motor Order No.	PH	Motor Volts	W.E.① Length	Motor Length	L.O.A.②	W.E. Weight	Motor Weight	Total Weight	
3	7	75GS30	S09940	1	230	24.1	19.1	43.2	14	41	55	
			S09978		200							
			S09970	3	230	24.1	16.1	40.2	14	35	49	
			S09975		460							
			S09979		575							
5	11	75GS50	S10940	1	230	34.8	28.2	63.0	19	70	89	
			S10978		200							
			S10970	3	230	34.8	22.2	57.0	19	55	74	
			S10975		460							
			S10979		575							
7½	16	75GS75	S119784		200							
			S119704	3	230	48.2	28.2	76.4	27	70	97	
			S119754		460							
			S119794		575							
10	21	75GS100	S129724	3	460	63.8	30.4	94.2	35	75	110	
			S129794		575							



### NOTES:

For complete pump, order water end and motor.

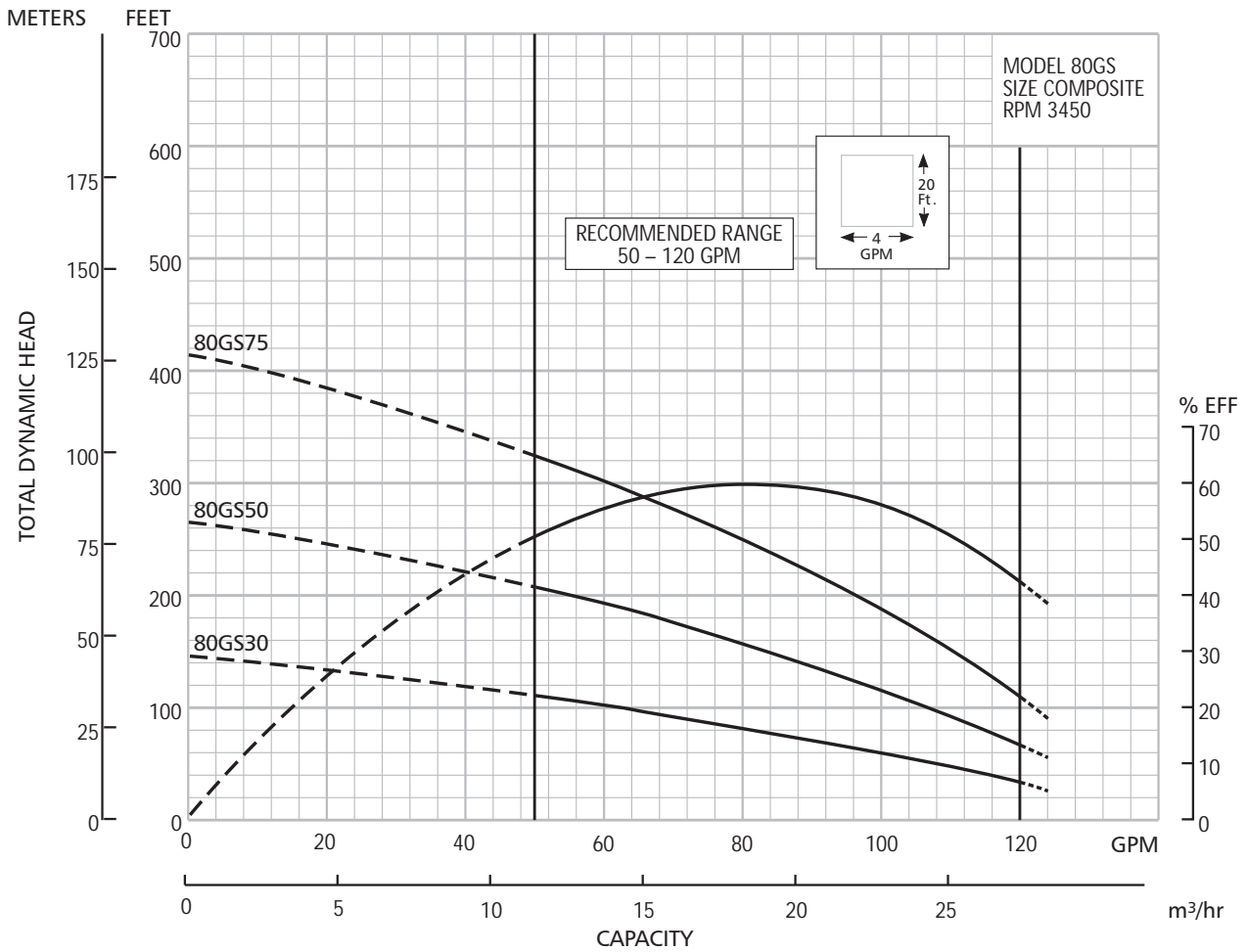
① W.E. = water end or pump without motor.

② L.O.A. = length of assembly – complete pump – water end and motor.

## SELECTION CHART

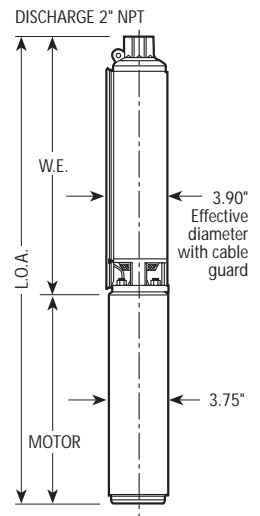
Horsepower Range 3 – 10, Recommended Range 40 – 100 GPM, 60 Hz, 3450 RPM

Pump Model	HP	PSI	Depth to Water in Feet/Ratings in GPM (Gallons per Minute)																												
			20	40	60	80	100	120	140	160	180	200	220	240	260	280	300	320	340	360	380	400	420	440	460	480	500	520			
75GS30	3	0					80	67	52																						
		20			77	63	47																								
		30		75	61	45																									
		40	73	58	42																										
		50	56	39																											
		60	37																												
Shut-off PSI			77	69	60	51	43	34	25																						
75GS50	5	0							90	83	75	65	55	44																	
		20							80	72	62	51	41																		
		30							79	70	60	50																			
		40						78	69	59	48																				
		50				77	67	57	47																						
		60		75	66	55	45																								
Shut-off PSI			120	111	102	94	85	76	68	59	50	42	33																		
75GS75	7½	0													80	75	68	61	54	47	40										
		20													79	73	66	59	52	45											
		30													78	72	65	58	51	44											
		40													77	71	64	57	50	43											
		50													76	70	63	56	49	42											
		60													75	69	62	55	48	41											
Shut-off PSI									146	137	129	120	111	103	94	85	77	68	59	51	42										
75GS100	10	0													100	97	95	92	88	85	81	76	72	67	62	56	51	45	40		
		20													99	96	94	91	87	84	79	75	70	65	60	55	49	44			
		30													99	96	94	91	87	83	79	74	69	64	59	54	48	43			
		40													98	96	93	90	86	82	78	74	69	64	58	53	48	42			
		50													98	95	92	89	86	82	77	73	68	63	57	52	47	41			
		60													100	97	95	92	89	85	81	77	72	67	62	57	51	46	40		
Shut-off PSI			272	263	254	246	237	228	220	211	202	194	185	176	168	159	150	142	133	124	116	107	98	90	81	72	64	55			



## DIMENSIONS AND WEIGHTS

HP	Stages	W.E. Order No.	Motor Order No.	PH	Motor Volts	W.E.① Length	Motor Length	L.O.A.②	W.E. Weight	Motor Weight	Total Weight
3	5	80GS30	S09940	1	230	21.4	19.1	40.5	10	41	51
			S09978		200						
			S09970	3	230						
			S09975		460						
			S09979		575						
5	9	80GS50	S10940	1	230	29.4	28.2	57.6	13	70	83
			S10978		200						
			S10970	3	230						
			S10975		460						
			S10979		575						
7½	14	80GS75	S119784	3	200	42.8	28.2	71	24	70	94
			S119704		230						
			S119754		460						
			S119794		575						



### NOTES:

For complete pump, order water end and motor.

① W.E. = water end or pump without motor.

② L.O.A. = length of assembly – complete pump – water end and motor.

## SELECTION CHART

Horsepower Range 3 – 7½, Recommended Range 50 – 120 GPM, 60 Hz, 3450 RPM

Pump Model	HP	PSI	Depth to Water in Feet/Ratings in GPM (Gallons per Minute)																										
			20	40	60	80	100	120	140	160	180	200	220	240	260	280	300	320	340	360	380	400	420	440	460	480			
80GS30	3	0		114	100	82	63																						
		20	94	77	57																								
		30	74	53																									
		40	50																										
		50																											
		60																											
Shut-off PSI			55	46	38	29	20																						
80GS50	5	0				115	106	98	89	79	68	55																	
		20	120	112	104	95	86	75	64	51																			
		30	111	102	94	84	74	62																					
		40	101	92	83	72	60																						
		50	91	81	70	58																							
		60	79	69	56																								
Shut-off PSI			107	98	90	81	72	64	55	46	38	29																	
80GS75	7½	0						118	113	107	101	95	89	82	75	68	60												
		20			122	117	111	105	100	93	87	80	73	66															
		30		121	116	110	105	99	92	86	79	72	65																
		40	120	115	109	104	98	91	85	78	71	63																	
		50	114	109	103	97	90	84	77	70	62																		
		60	108	102	96	89	83	76	69	61																			
Shut-off PSI			171	162	153	145	136	127	119	110	101	93	84	75	67	58	49												

# Models 33GS, 40GS, 55GS, 60GS, 75GS, 80GS

## Repair Parts

Item No.	Description	Current Models ③							
		HP	33GS	40GS	55GS	60GS	75GS	80GS	
	Number of Stages	1	6	—	—	—	—	—	
		1½	8	5	5	4	—	—	
		2	10	6	7	5	—	—	
		3	14	8	9	7	7	5	
		5	22 ①	14	15 ①	11 ①	11	9	
		7½	34 ②	21 ①	22 ②	17 ①	16	14	
		10	44 ②	—	29 ②	—	21 ②	—	
1 - 5	Discharge Head Assembly	7K1582	7K1582	7K1582	7K1582	7K1582	7K1582		
2	Check Valve Poppet	7K1366	7K1366	7K1366	7K1366	7K1366	7K1366		
3	Check valve seal and seat assembly	7K2123	7K2123	7K2123	7K2123	7K2123	7K2123		
4	Check valve retaining ring	7K1364	7K1364	7K1364	7K1364	7K1364	7K1364		
5	Adapter ring	7K2074	7K2074	7K2074	7K2074	7K2074	7K2074		
6	Shaft retaining ring	7K817	7K817	7K817	7K817	7K817	7K817		
7	Upper shaft sleeve	7K1571	7K1571	7K1571	7K1571	7K1571	7K1571		
8	Bearing spider (upper & some int.) ①	7K1593	7K1593	7K1593	7K1593	—	—		
9	Bearing ① ②	7K1594	7K1594	7K1594	7K1594	7K1594	7K1594		
10	Uphrust washer	7K1575	7K1575	7K1575	7K1575	7K1575	7K1575		
11	Diffuser	7K1590	7K1590	7K1591	7K1591	7K1592	7K1592		
12	Impeller	7K1739	7K1587	7K1779	7K1588	7K1787	7K1589		
13	Bowl	7K1584	7K1584	7K1585	7K1585	7K1586	7K1586		
14	Diffuser shaft sleeve	—	—	7K1571	7K1571	7K1573	7K1573		
15	Intermediate shaft sleeve ①	7K1572	7K1572	7K1572	7K1572	—	—		
16	Intermediate bearing spider ②	7K2246	—	7K2246	—	7K2246	—		
17	Lower shaft retaining ring ②	7K1629	—	7K1629	—	7K1629	—		
18	Shim	7K1574	7K1574	7K1574	7K1574	7K1574	7K1574		
19	Stainless steel strainer	7K1370	7K1370	7K1370	7K1370	7K1370	7K1370		
20	Cable guard screws	13K91	13K91	13K91	13K91	13K91	13K91		
21	Motor adapter	7K1363	7K1363	7K1363	7K1363	7K1363	7K1363		
22	Casings	1	7K1991	—	—	—	—	—	
		1½	7K1992	7K1998	7K2000	7K2006	—	—	
		2	7K2007	7K1991	7K2001	7K1453	—	—	
		3	7K1994	7K1992	7K2002	7K2001	7K2010	7K2013	
		5	7K1995	7K1994	7K2003	7K2008	7K2011	7K2014	
		Upper	7½	7K2332	7K1999	7K2341	7K2009	7K2012	7K2015
		Lower	7½	7K2328		7K2332			
Upper	10	7K2336	—	7K1618	—	7K1677	—		
Lower	10	7K1677		7K2331		7K2333			
23	Shaft and Coupling Assemblies	1	7K1605	—	—	—	—	—	
		1½	7K1606	7K1610	7K1662	7K1661	—	—	
		2	7K1768	7K1605	7K1663	7K1662	—	—	
		3	7K1631	7K1606	7K1784	7K1663	7K1631	7K1648	
		5	7K1769	7K1631	7K1785	7K1664	7K1689	7K1649	
		Upper	7½	7K2269	7K1611	7K2262	7K1665	7K1871	7K1650
		Lower	7½	7K2303		7K2301			
		Upper	10	7K2275	—	7K2276	—	7K2277	—
Lower	10	7K2311	7K2310	7K2309					
24	Cable guards	1	7K2040	—	—	—	—	—	
		1½	7K2042	7K2039	7K2043	7K2041	—	—	
		2	7K2044	7K2040	7K2045	7K2043	—	—	
		3	7K2046	7K2042	7K2047	7K2045	7K2046	7K2044	
		5	7K2051	7K2046	7K2052	7K2049	7K2051	7K2048	
		7½	7K2316	7K2050	7K2319	7K2054	7K2055	7K2053	
		10	7K1901	—	7K2318	—	7K2321	—	

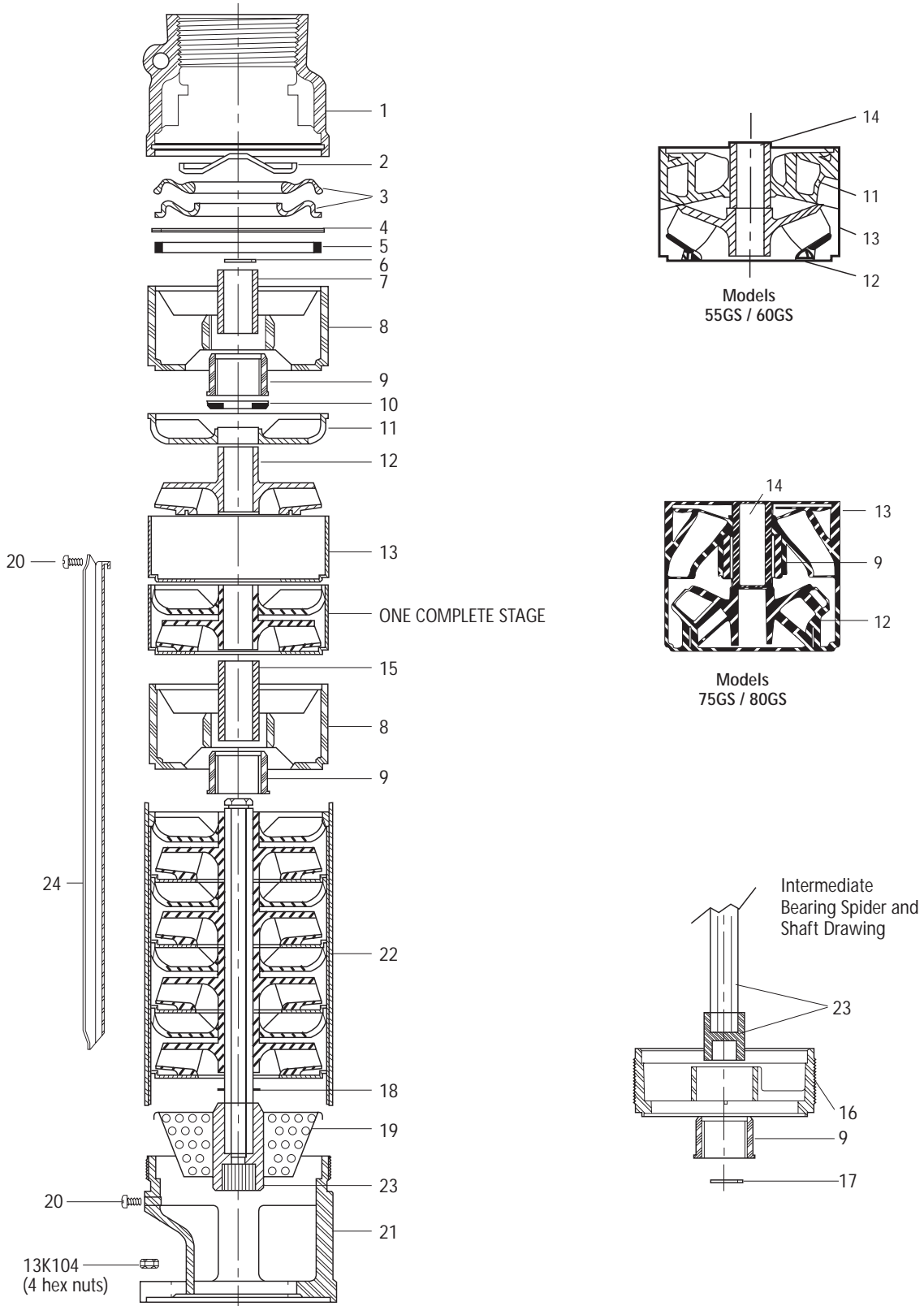
① Indicates model with one intermediate bearing spider.

② Indicates model with split cases and shafts.

③ These models are identified by 4 cable guard screws.

# Models 33GS, 40GS, 55GS, 60GS, 75GS, 80GS

## Repair Parts



**SINGLE PHASE MOTOR SPECIFICATIONS (60 HERTZ) 3450 RPM**

Type	Goulds Pumps Model Number	Franklin Motor Model Prefix	Rated Input				Maximum (S.F. Load)		(1) Line to Line Res.		Locked Rotor Amps	KVA Code	Inverse Time Breaker	Dual Element Time Delay Fuse	
			HP	Volts	Hz	S.F.	(2) Amps	Watts	(2) Amps	Watts					M = Main
4" 2 wire	S06942	244508	1	230	60	1.40	8.2	1200	9.8	1600	2.2-2.7	48.7	M	25	20
	S07942	244309	1½	230	60	1.30	10.6	1780	13.1	2250	1.5-1.9	66.6	L	30	20
4" 3 wire	S06940	214508	1	230	60	1.40	Y8.2 B8.2 R0	1200	Y9.8 B9.8 R0	1600	2.2-2.7M 9.9-12.1S	41.8	L	25	20
	S07940	224300	1½	230	60	1.30	Y10.0 B9.9 R1.3	1700	Y11.5 B11.0 R1.3	2150	1.7-2.2M 8.0-9.7S	52.0	J	30	20
	S08940	224301	2	230	60	1.25	Y10.0 B9.3 R2.6	2100	Y13.2 B11.9 R2.6	2650	1.8-2.3M 5.8-7.2S	51.0	G	25	20
	S09940	224302	3	230	60	1.15	Y14.0 B11.2 R6.1	3020	Y17.0 B12.6 R6.0	3430	1.0-1.5M 4.0-4.9S	82.0	G	40	30
	S10940	224303	5	230	60	1.15	Y23.0 B15.9 R11.0	5250	Y27.5 B19.1 R10.8	5960	.68-1.0M 1.8-2.2S	121.0	F	60	45

(1) Main winding – black to yellow Start winding – red to yellow  
 (2) Y = Yellow lead, line amps  
 B = Black lead, main winding amps  
 R = Red lead, start or auxiliary winding amps

Franklin Electric at 1-800-348-2420.  
For additional motor data call

**THREE PHASE MOTOR SPECIFICATIONS (60 HERTZ) 3450 RPM**

Type	Goulds Pumps Number	Franklin Motor Prefix	HP	Volts	Hz	S.F.	Amps	S.F. Amps	Line to Line Res. Ohms	Locked Rotor Amps	KVA Code	Minimum Std. Cir. Br.	Delay Fuse	FURNAS Class 16	
														Starter Size	Hrs.
4" 3450 RPM, 3Ø	S06978	234503	1	200	60	1.4	4.6	5.4	3.8 – 4.5	30.9	M	15	10	16AD	K37
	S06970	234513	1	230	60	1.4	4.0	4.7	4.9 – 5.6	26.9	M	15	8	16AG	K34
	S06975	234523	1	460	60	1.4	2.0	2.4	19.9 – 23.0	13.5	M	15	4	16AH	K26
	S07978	234504	1½	200	60	1.3	5.6	6.8	2.5 – 3.0	38.2	K	15	10	16AD	K42
	S07970	234514	1½	230	60	1.3	4.9	5.9	3.2 – 4.0	33.2	K	15	10	16AG	K39
	S07975	234524	1½	460	60	1.3	2.5	3.1	13.0 – 16.0	16.6	K	15	5	16AH	K29
	S07979	234534	1½	575	60	1.3	2.0	2.4	20.3 – 25.0	13.3	K	15	4	16AE	K26
	S08978	234305	2	200	60	1.25	7.9	9.3	1.8 – 2.4	53.6	L	20	15	16AD	K50
	S08970	234315	2	230	60	1.25	6.9	8.1	2.3 – 3.0	46.6	L	20	15	16AG	K43
	S08975	234325	2	460	60	1.25	3.5	4.1	9.2 – 12.0	23.3	L	15	8	16AH	K33
	S08979	234335	2	575	60	1.25	2.8	3.2	14.6 – 18.7	18.6	L	15	5	16AE	K29
	S09978	234306	3	200	60	1.15	11.3	12.5	1.3 – 1.7	71.2	K	30	20	16AD	K55
	S09970	234316	3	230	60	1.15	9.8	10.9	1.8 – 2.2	61.9	K	25	20	16AG	K52
	S09975	234326	3	460	60	1.15	4.9	5.5	7.2 – 8.8	31	K	15	10	16AH	K37
	S09979	234336	3	575	60	1.15	3.9	4.4	11.4 – 13.9	24.8	K	15	8	16AE	K34
	S10978	234307	5	200	60	1.15	18.4	20.5	.74 – .91	122	K	50	35	16AD	K62
	S10970	234317	5	230	60	1.15	16.0	17.8	1.0 – 1.2	106	K	40	30	16AG	K61
	S10975	234327	5	460	60	1.15	8.0	8.9	4.0 – 4.9	53.2	K	20	15	16AH	K49
	S10979	234337	5	575	60	1.15	6.4	7.1	6.4 – 7.8	42.6	K	20	15	16AE	K42
	S119784	234308	7½	200	60	1.15	27.1	30.5	.46 – .57	188	K	70	50	16CD	K70
	S119704	234318	7½	230	60	1.15	23.6	26.4	.61 – .75	164	K	60	45	16BG	K67
	S119754	234328	7½	460	60	1.15	11.8	13.2	2.5 – 3.1	81.9	K	30	25	16AH	K55
	S119794	234338	7½	575	60	1.15	9.4	10.6	4.0 – 5.0	65.5	K	25	20	16AE	K52
	S129724	234339	10	460	60	1.15	17.0	18.5	1.8 – 2.3	116	L	45	30	16AH	K61
	S129794	234339	10	575	60	1.15	13.6	14.8	2.8 – 3.5	92.8	L	35	25	16AE	K57

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