



# 6GSZ, 8GSZ, 11GSZ, 16GSZ

1.35 - 3.5 M<sup>3</sup>/H, .37 - 4 KW, 50 HZ SUBMERSIBLE PUMPS



### 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:** Units have left hand threads and are field serviceable with common tools and readily available repair parts.

**Sand Handling Design:** Our face clearance, floating impeller stack has proven itself for over 50 years as a superior sand handling, durable pump design.

**FDA Compliant Non-Metallic Parts:** Impellers, diffusers and bearing spiders are constructed of glass filled engineered composites. They are corrosion resistant and non-toxic.

**Discharge Head/Check Valve:** Cast 303 stainless steel for strength and durability. Two cast-in safety line loops for installer convenience. The built-in check valve is constructed of stainless steel and FDA compliant BUNA rubber for abrasion resistance and quiet operation.

**Motor Adapter:** Cast 303 stainless steel for rigid, accurate alignment of pump and motor. Easy access to motor mounting nuts using standard open end wrench.

**Stainless Steel Casing:** Polished stainless steel is strong and corrosion resistant.

**Hex Shaft Design:** Six sided shafts for positive impeller drive.

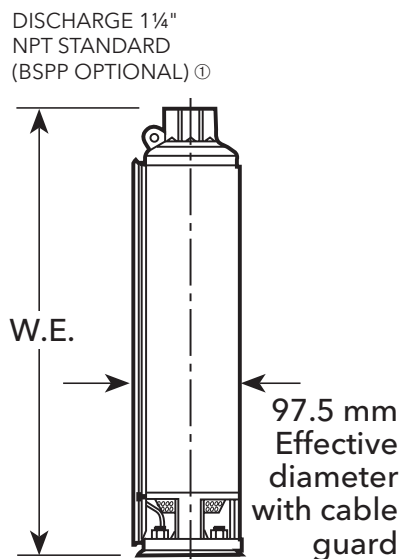
**Engineered Polymer Bearings:** The proprietary, engineered polymer bearing material is strong and resistant to abrasion and wear. The enclosed upper bearing is mounted in a durable Glass filled engineered composite bearing spider for excellent abrasion resistance.

### MATERIALS OF CONSTRUCTION

Part Name	Material
Discharge Head	AISI 303 SS
Check Valve Poppet	AISI 304 SS
Check Valve Seal	BUNA, FDA compliant
Check Valve Seat	AISI 304 SS
Check Valve Retaining Ring	AISI 302 SS
Bearing Spider - Upper	Glass Filled Engineered Composite GFN2
Bearing	Proprietary Engineered Polymer
Klipring	AISI 301 SS
Diffuser	Glass Filled Engineered Composite
Impeller	Glass Filled Engineered Composite
Bowl	AISI 304 SS
Intermediate Sleeve ①	AISI 304 SS, Powder Metal
Intermediate Shaft Coupling ②	AISI 304 SS, Powder Metal
Intermediate Bearing Spider ①	Glass Filled Engineered Composite
Intermediate Bearing Spider ②	AISI 303 SS
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

① Used on pumps with 27 to 32 stages.

② Used on pumps with more than 33 stages.



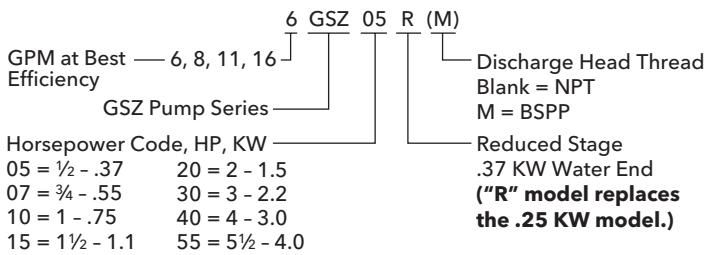
### WATER END DATA

Model	KW Range	Rec. Flow Range m <sup>3</sup> /hr.	Best Eff. m <sup>3</sup> /hr.	1 1/4" Discharge		Min. Well Dia.	Rotation ②
				Std.	Opt.①		
6GSZ	.37 - 1.5	.30 - 2.0	1.35	NPT	BSPP	4"	CCW
8GSZ	.37 - 1.1	.50 - 2.7	1.8	NPT	BSPP	4"	CCW
11GSZ	.37 - 2.2	.75 - 4.0	2.5	NPT	BSPP	4"	CCW
16GSZ	.55 - 4.0	1.0 - 5.8	3.5	NPT	BSPP	4"	CCW

① To order with a 2" BSPP thread add a "M" suffix to order no.

② Rotation is counterclockwise when observed from pump discharge end.

### NOMENCLATURE

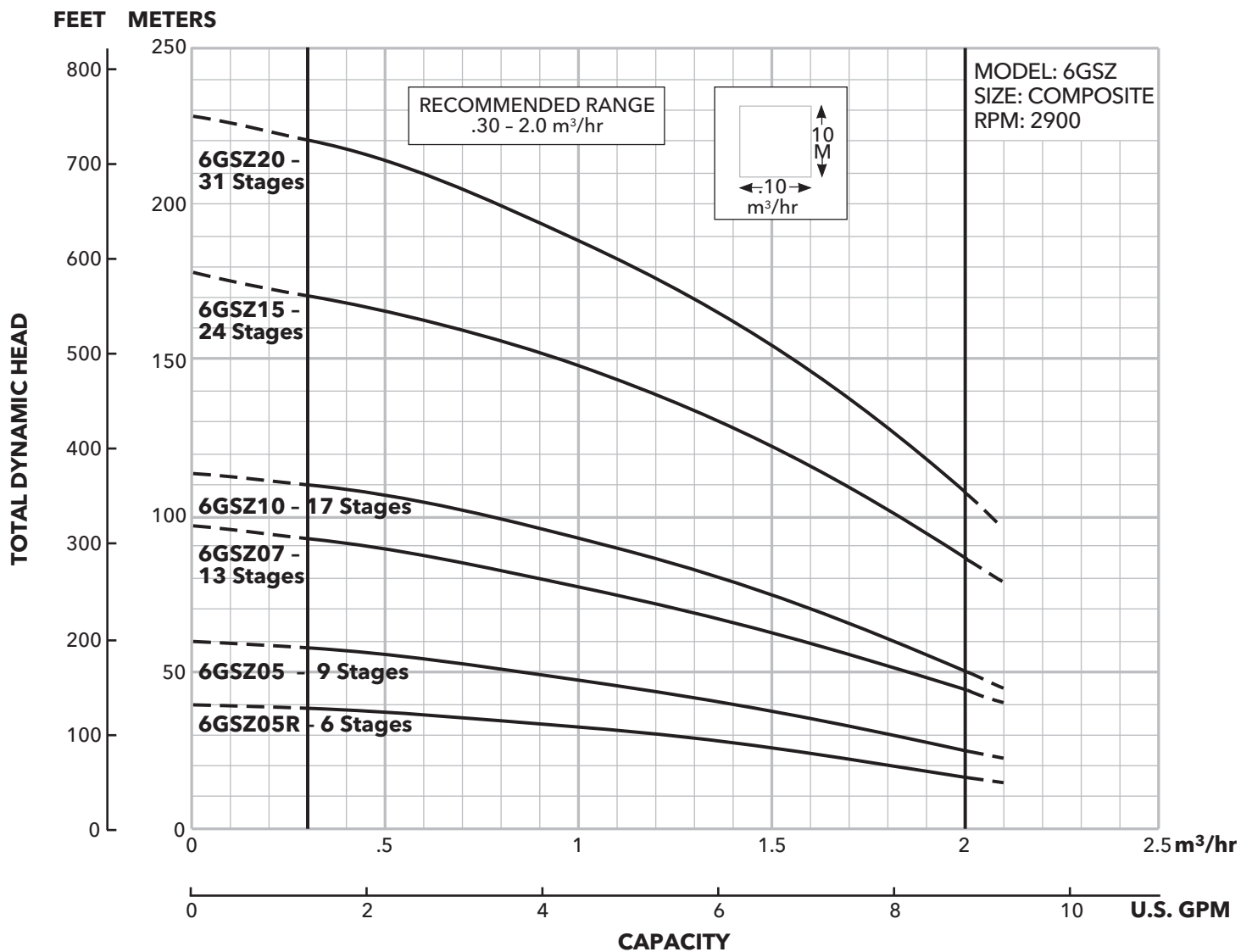


### WATER END DATA

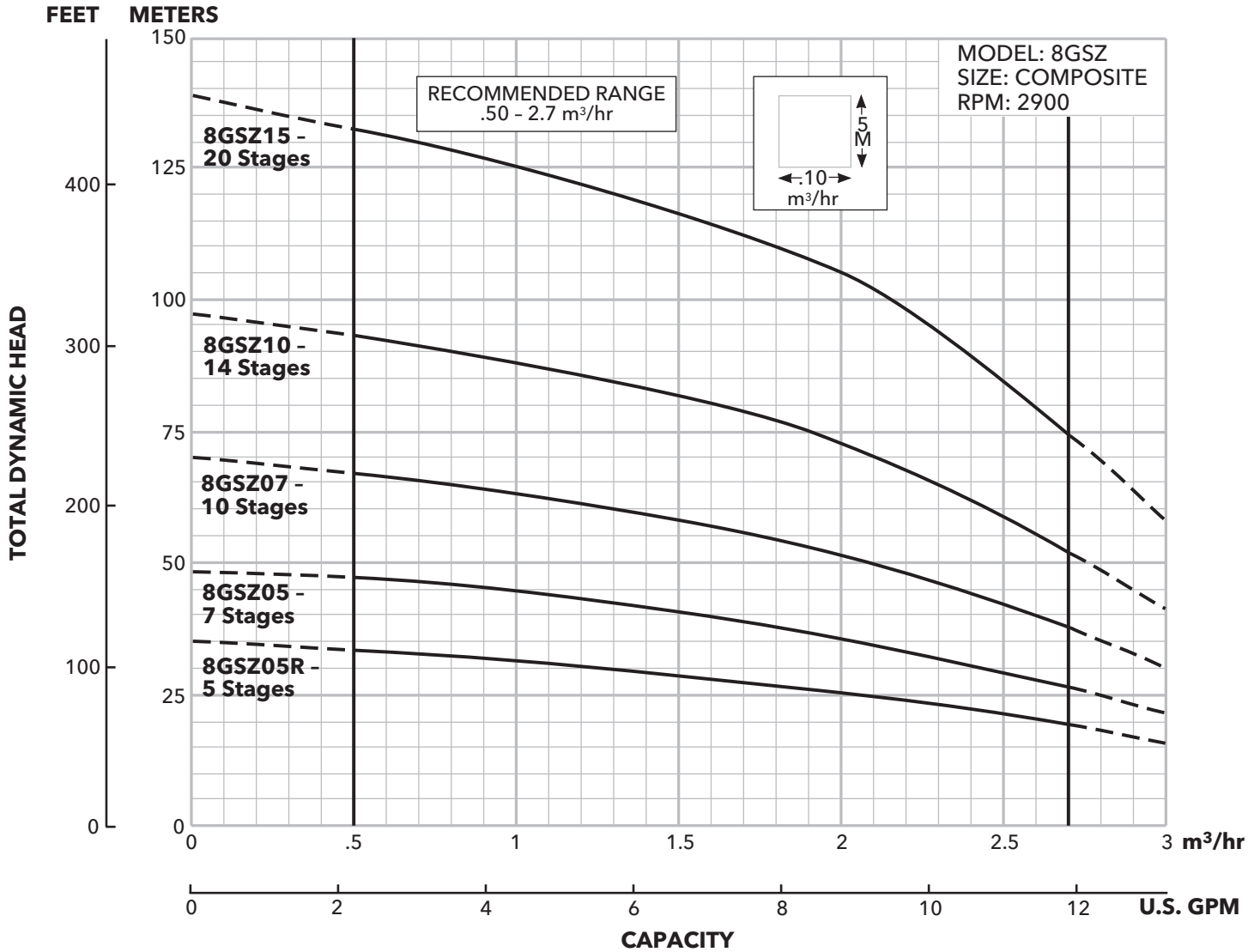
Series	Product No.	Stages	W.E. Length		W.E. Weight		Req. Min.	
			MM	In.	Kg	Lbs.	Kw	HP
6	6GSZ05R (M)	6	264	10.4	2.6	6	0.37	0.5
	6GSZ05 (M)	9	320	12.6	3.1	7	0.37	0.5
	6GSZ07 (M)	13	392	15.4	3.7	8	0.55	0.75
	6GSZ10 (M)	17	465	18.3	4.4	10	0.75	1
	6GSZ15 (M)	24	592	23.3	5.6	12	1.1	1.5
	6GSZ20 (M)	31	749	29.5	6.8	15	1.5	2
8	8GSZ05R (M)	5	244	9.6	2.4	5	0.37	0.5
	8GSZ05 (M)	7	279	11.0	2.7	6	0.37	0.5
	8GSZ07 (M)	10	332	13.1	3.3	7	0.55	0.75
	8GSZ10 (M)	14	402	15.8	4.0	9	0.75	1
	8GSZ15 (M)	20	507	20.0	5.1	11	1.1	1.5
11	11GSZ05 (M)	5	244	9.6	2.4	5	0.37	0.5
	11GSZ07 (M)	8	297	11.7	3.0	7	0.55	0.75
	11GSZ10 (M)	11	349	13.7	3.5	8	0.75	1
	11GSZ15 (M)	16	437	17.2	4.3	9	1.1	1.5
	11GSZ20 (M)	21	554	21.8	5.4	12	1.5	2
	11GSZ30 (M)	32	717	28.2	7.1	16	2.2	3
16	16GSZ07 (M)	7	308	12.1	2.9	6	0.55	0.75
	16GSZ10 (M)	9	351	13.8	3.2	7	0.75	1
	16GSZ15 (M)	14	460	18.1	4.2	9	1.1	1.5
	16GSZ20 (M)	19	568	22.4	5.0	11	1.5	2
	16GSZ30 (M)	27	771	30.4	6.8	15	2.2	3
	16GSZ40 (M)	35	944	37.2	8.3	18	3	4
	16GSZ55 (M)	48	1226	48.3	10.7	24	4	5.5

Consult your motor supplier for current motor data.

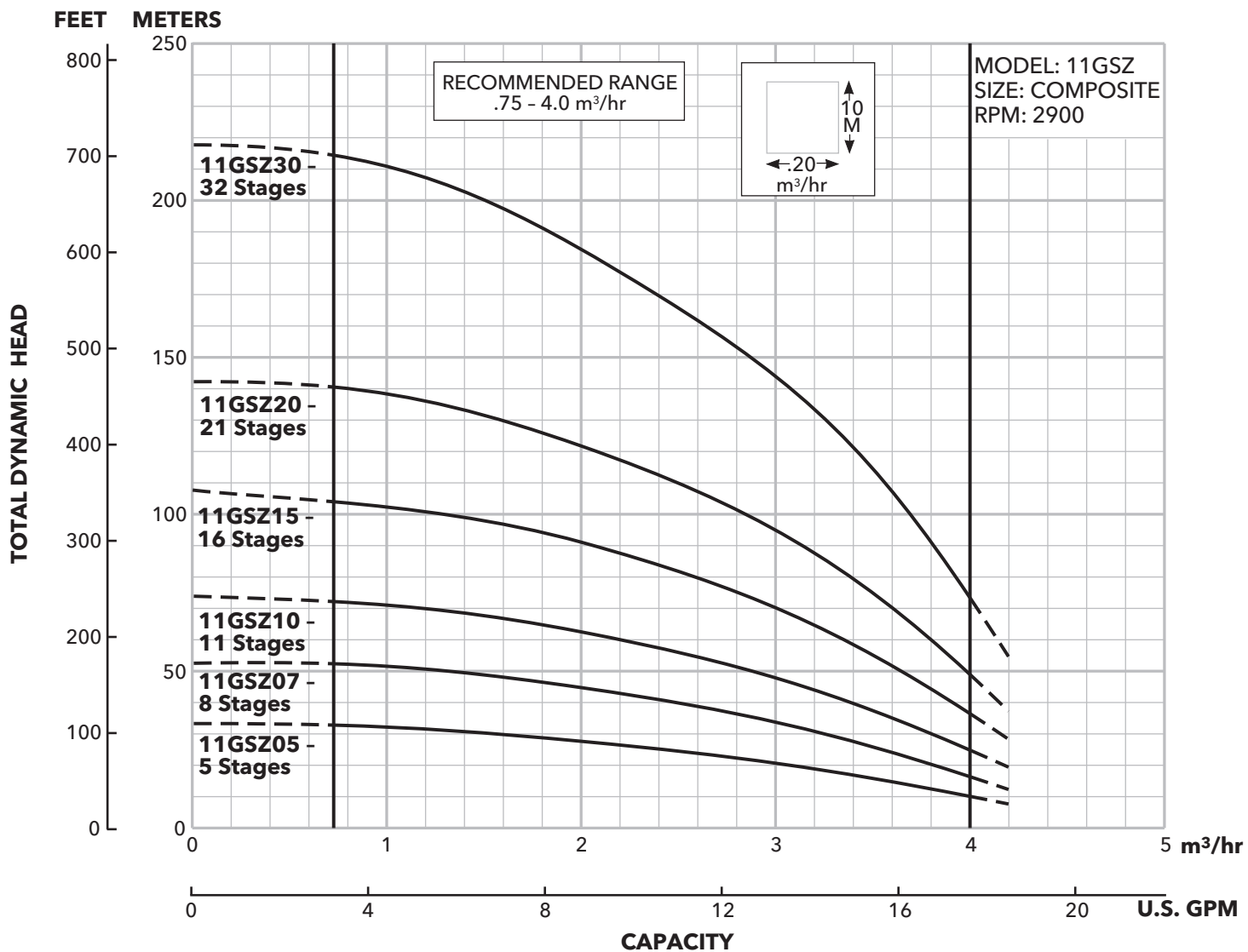
### MODEL 6GSZ



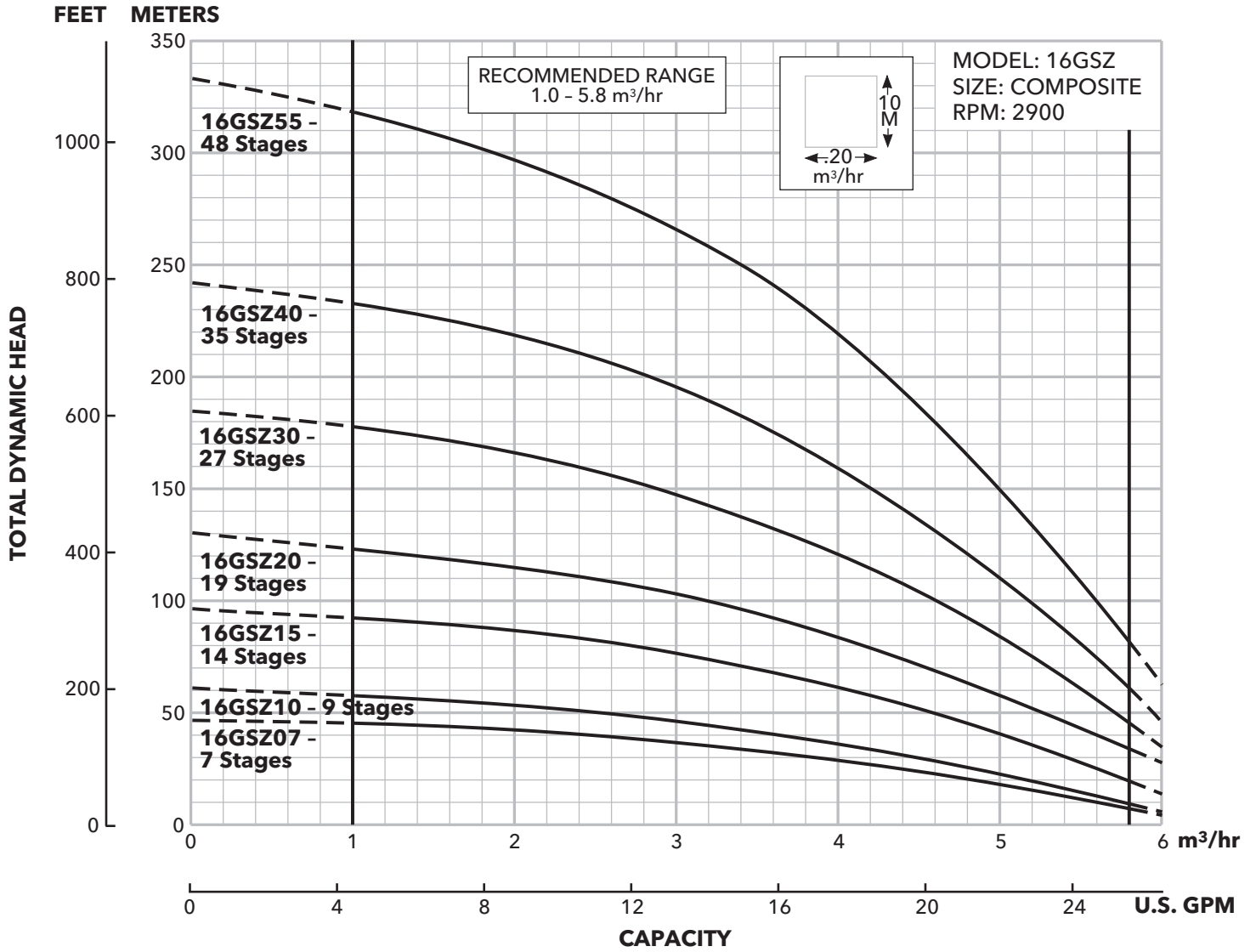
### MODEL 8GSZ



### MODEL 11GSZ



### MODEL 16GSZ



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- 1) The tissue in plants that brings water upward from the roots;
- 2) a leading global water technology company.

We're a global team unified in a common purpose: creating advanced technology solutions to the world's water challenges. Developing new technologies that will improve the way water is used, conserved, and re-used in the future is central to our work. Our products and services move, treat, analyze, monitor and return water to the environment, in public utility, industrial, residential and commercial building services settings. Xylem also provides a leading portfolio of smart metering, network technologies and advanced analytics solutions for water, electric and gas utilities. In more than 150 countries, we have strong, long-standing relationships with customers who know us for our powerful combination of leading product brands and applications expertise with a strong focus on developing comprehensive, sustainable solutions.

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