



 **REDJACKET SERIES**

BIG-FLO[®]

4" Submersibles

FEATURES

- Smooth passageways provide low friction radial water flow.
- Noryl® impeller-diffuser assemblies are encased in a corrosion resistant stainless steel shell.
- Pump and motor assembly are corrosion resistant.
- Efficient operation in either horizontal or vertical position.
- Impeller-diffuser assemblies are mounted on a 16-spline steel shaft for positive drive.
- A top bearing is provided in the cast iron discharge head for better shaft alignment.
- Replaceable journals protect shafts at bearings. Multi-stage construction permits modular or individual part replacement.
- Noryl®-staged components (impellers/diffusers) are permanently bonded by a reliable, foolproof, ultrasonic welding technique.
- Powered by CentriPro®. Motors are compatible with any competitive pump end of comparable horsepower.

AGENCY LISTINGS



CentriPro Motor - tested to UL778 and CAN 22.2 by CSA International (Canadian Standards Association)



CentriPro Motor - Certified to NSF/ANSI 61, Annex G, Drinking Water System Components 4P49



NSF/ANSI 372 - Drinking Water System Components - Lead Content

CLASS 6853 01 - Low Lead Content Certification Program - Plumbing Products

CENTRIPRO 4" SINGLE-PHASE MOTORS

Order No.	Type	HP	Volts	Length in. (mm)	Weight lb. (kg.)
M05421	2-wire PSC	½	230	11.0 (279)	20 (9.1)
M05422		½		11.0 (279)	20 (9.1)
M07422		¾		12.4 (314)	23 (10.4)
M10422		1		13.3 (337)	25 (11.3)
M15422		1.5		14.9 (378)	29 (13.2)
M05411	3-wire	½	230	10.0 (253)	19 (8.6)
M05412		½		9.7 (246)	18 (8.2)
M07412		¾		10.8 (275)	22 (10)
M10412		1		11.7 (297)	23 (10.4)
M15412		1.5		13.6 (345)	28 (12.7)
M20412		2		15.1 (383)	31 (14.1)
M30412		3		18.3 (466)	40 (18.1)
M50412	5	27.7 (703)	70 (31.8)		

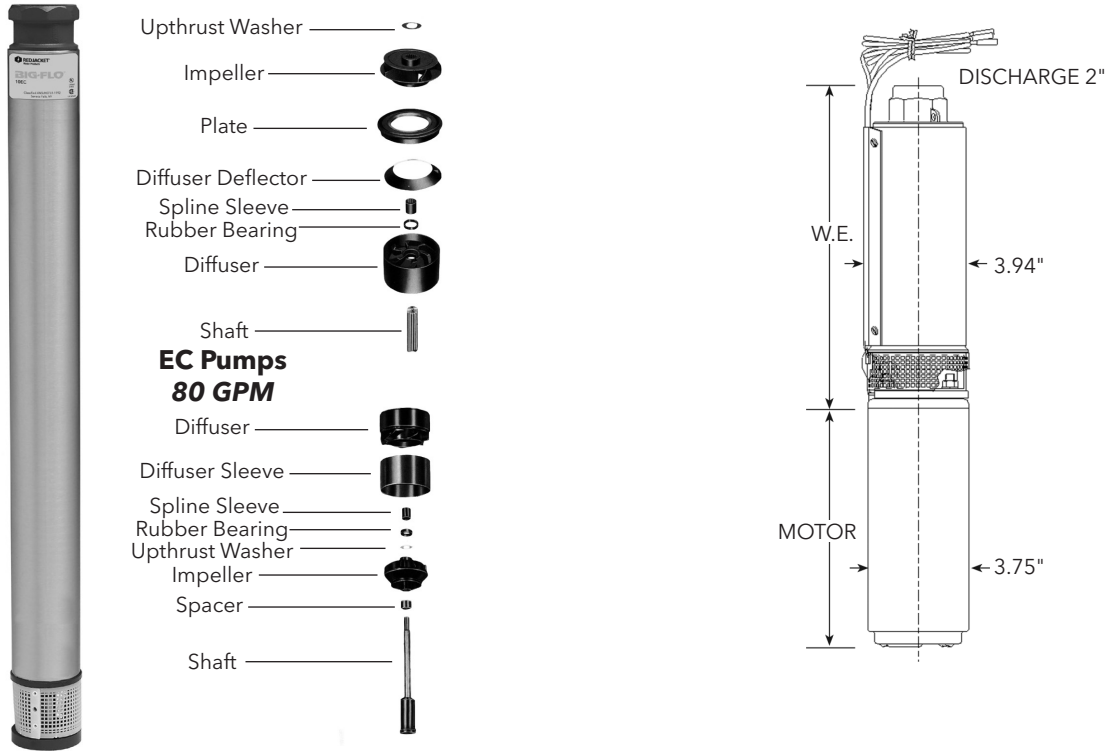
CENTRIPRO 4" THREE-PHASE MOTORS

Order No. by Voltage			HP	Length in. (mm)	Weight lb. (kg.)
200V	230V	460V			
M05430	M05432	M05434	½	10.8 (275)	22 (9.7)
M07430	M07432	M07434	¾	10.8 (275)	22 (9.7)
M10430	M10432	M10434	1	11.7 (297)	23 (10.4)
M15430	M15432	M15434	1.5	11.7 (297)	23 (10.4)
M20430	M20432	M20434	2	13.8 (351)	28 (12.7)
M30430	M30432	M30434	3	15.3 (389)	32 (14.5)
M50430	M50432	M50434	5	21.7 (550)	55 (24.9)
M75430	M75432	M75434	7.5	27.7 (703)	70 (1.8)

Order No.	HP	Volts	Length in. (mm)	Weight lb. (kg.)
M15437	1.5	575	11.7 (297)	23 (10.4)
M20437	2		15.3 (389)	32 (14.5)
M30437	3		15.3 (389)	32 (14.5)
M50437	5		27.7 (703)	70 (31.8)
M75437	7.5		27.7 (703)	70 (31.8)

TYPICAL COMPONENTS - 4" SUBMERSIBLE

DC/FC Pumps - 28 through 50 GPM



WATER END DIMENSIONS AND WEIGHTS

Series	Order No.	Best Eff. in GPM	HP Required	Length w/o CV ①		Weight	
				In.	mm	Lb.	Kg.
DC	6DC	28	1.5	16.3	414	15	33.1
	8DC		2	19.4	493	17	37.5
	11DC		3	24.1	612	21	46.3
	17DC		5	32.8	833	25	55.1
FC	6FC	50	2	19.4	493	16	35.3
	8FC		3	25.2	640	21	46.3
	13FC		5	37.8	960	26	57.3
	20FC		7.5	53.0	1346	37	81.6
EC	4EC	80	2	20.6	523	18	39.7
	6EC		3	25.2	640	23	50.7
	10EC		5	35.9	912	28	61.7
	15EC		7.5	51.4	1306	45	99.2

① Add 4.2" to length for external check valve

Big-Flo submersible pump/motor units are designed for industrial 4 inch pumping applications. Motors for the Big-Flo pump ends deliver between 1½ and 7½ horsepower with pump capacities up to 100 GPM for varying well depths.

"DC" SERIES, 28 GPM, PERFORMANCE TABLE – Recommended Operating Ranges

		Capacity in Gallons per Minute Against Discharge Pressures Shown															
		0 PSI				20 PSI				40 PSI				60 PSI			
		Pump No.	6DC	8DC	11DC	17DC	6DC	8DC	11DC	17DC	6DC	8DC	11DC	17DC	6DC	8DC	11DC
HP	1½	2	3	5	1½	2	3	5	1½	2	3	5	1½	2	3	5	
Depth to Water Level in Feet	40	46.6	48.8	49.2		41.0	42.8	45.6		31.3	38.5	42.9		14.6	30.9	39.6	44.0
	80	42.3	43.5	46.1		32.5	39.2	43.2		18.2	32.1	40.1	44.2		22.7	34.8	42.7
	120	33.8	39.8	43.6		21.3	33.3	40.7	44.5		24.0	35.7	42.8			29.1	41.2
	160	23.9	34.4	41.1	44.7		25.3	36.5	43.0			30.0	41.5			23.1	39.1
	200		26.5	37.2	43.9		15.4	30.9	41.7			24.1	39.5			13.6	36.0
	240		17.5	31.8	42.0			25.0	39.8			15.8	36.5				32.3
	280			26.0	40.2			17.5	37.0				32.9				28.6
	320			19.1	37.5				33.5				29.2				25.2
	360				34.1				29.7				25.7				21.3
	400				30.3				26.2				22.0				13.9
	440				26.8				22.7				15.5				
	480				23.3				16.9								
520				18.1													

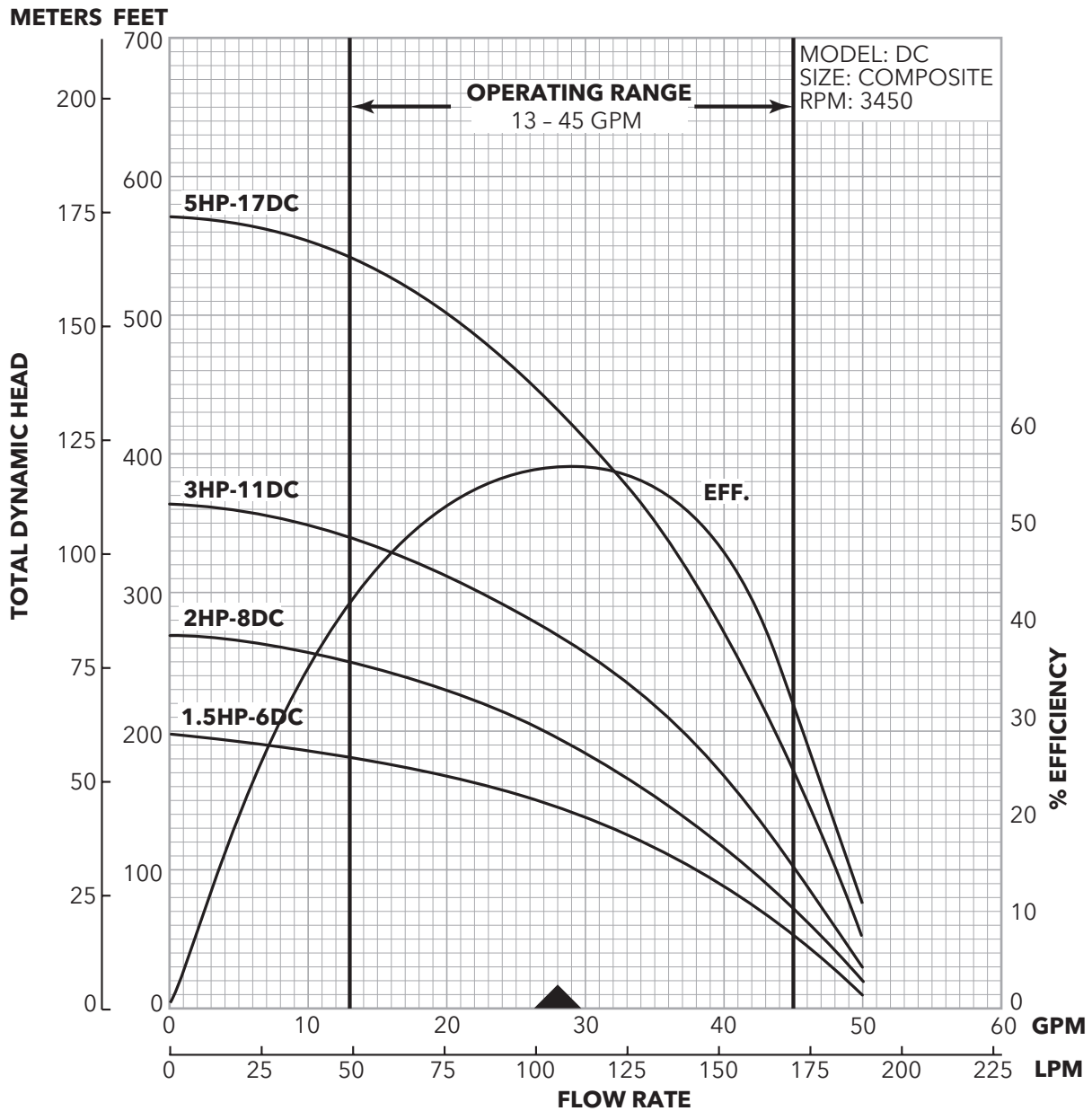
"FC" SERIES, 50 GPM, PERFORMANCE TABLE – Recommended Operating Ranges

		Capacity in Gallons per Minute Against Discharge Pressures Shown															
		0 PSI				20 PSI				40 PSI				60 PSI			
		Pump No.	6FC	8FC	13FC	20FC	6FC	8FC	13FC	20FC	6FC	8FC	13FC	20FC	6FC	8FC	13FC
HP	2	3	5	7½	2	3	5	7½	2	3	5	7½	2	3	5	7½	
Depth to Water Level in Feet	40					63.3				39.6	58.7				39.7	67.3	44.0
	80	65.3				43.0	60.6				42.3	68.2				60.6	69.3
	120	46.7	62.4				45.0	69.1			22.5	61.7	69.6			51.8	67.6
	160		47.7	70.1			27.1	62.9	69.9			53.3	67.9			41.5	64.9
	200		30.6	63.9	70.2			54.8	68.2			43.2	65.4			28.3	60.7
	240			56.2	68.4			44.8	65.9			30.9	61.4				54.9
	280			46.4	66.3			33.2	62.2				55.9				48.4
	320			35.3	62.8				56.8				49.4				41.3
	360				57.8				50.4				42.5				32.7
	400				51.5				43.6				34.3				
	440				44.7				35.7								
	480				37.1				23.8								
520				26.2													

"EC" SERIES, 80 GPM, PERFORMANCE TABLE – Recommended Operating Ranges

		Capacity in Gallons per Minute Against Discharge Pressures Shown															
		0 PSI				20 PSI				40 PSI				60 PSI			
		Pump No.	4EC	6EC	10EC	15EC	4EC	6EC	10EC	15EC	4EC	6EC	10EC	15EC	4EC	6EC	10EC
HP	2	3	5	7½	2	3	5	7½	2	3	5	7½	2	3	5	7½	
Depth to Water Level in Feet	40	96.3	110.6			52.9	84.0				54.5	87.2				69.5	92.9
	60	78.0	100.0				71.2	97.3				79.4	99.4			62.5	87.9
	80	59.2	88.0				58.7	89.6				71.8	94.4			55.4	82.9
	100	33.9	75.2	99.6			43.4	81.8	100.9			64.6	89.4			47.0	78.2
	140		48.9	84.2				66.8	91.0			49.9	79.6				69.2
	180			69.0	92.5				52.5	81.1			70.5				60.1
	220			54.9	82.6				71.9				61.6				48.5
	260				73.3				63.1				50.6				
	300				64.5				52.6								
	340				54.5												

"DC" SERIES 4" PUMPS - 28 GPM



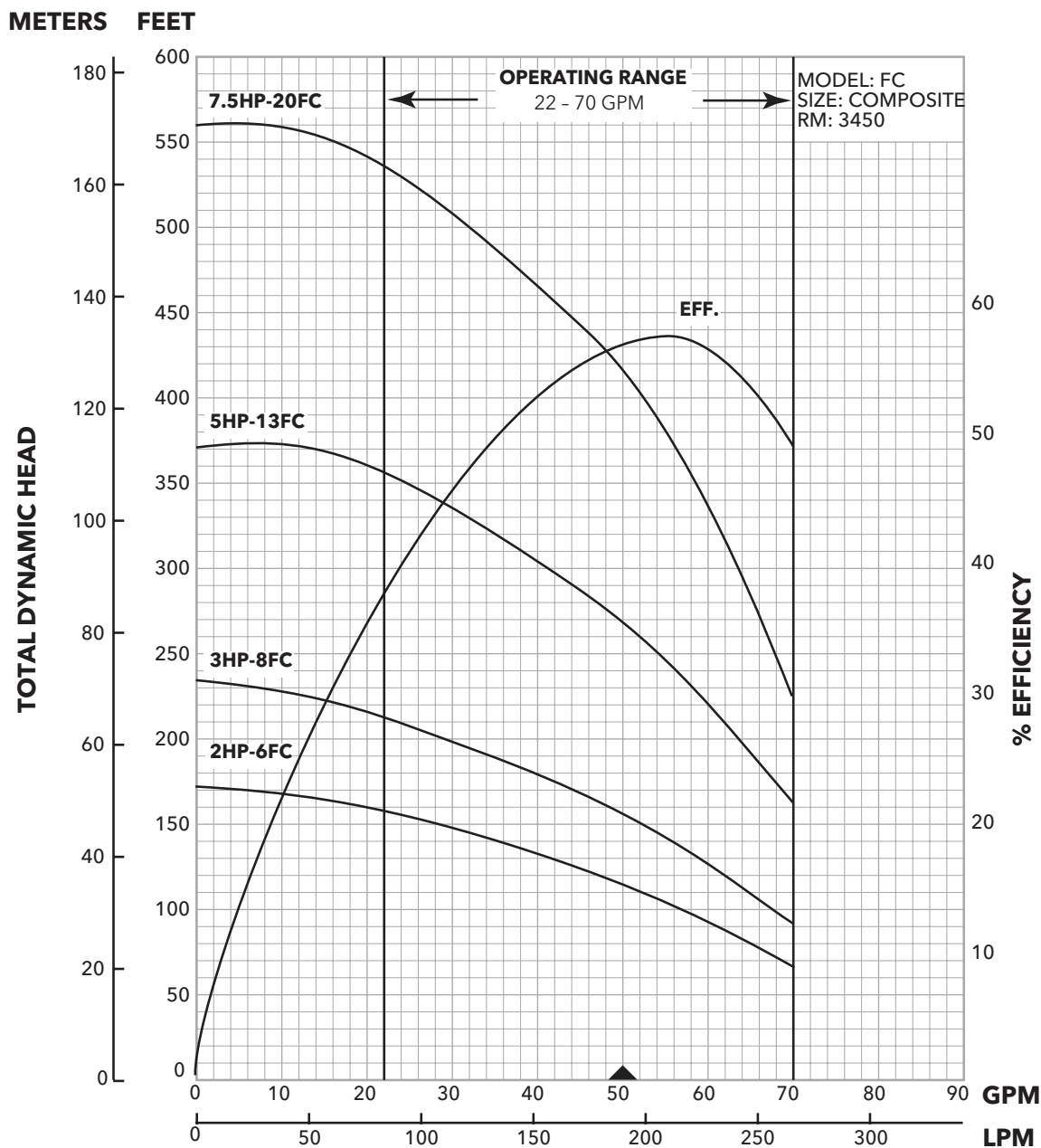
▲ Rated Flow at Best Efficiency

"DC" Series, 28 GPM

Guaranteed as minimum performance only if certified.

Minimum Well Size: 4" I.D.

"FC" SERIES 4" PUMPS - 50 GPM



▲ Rated Flow at Best Efficiency

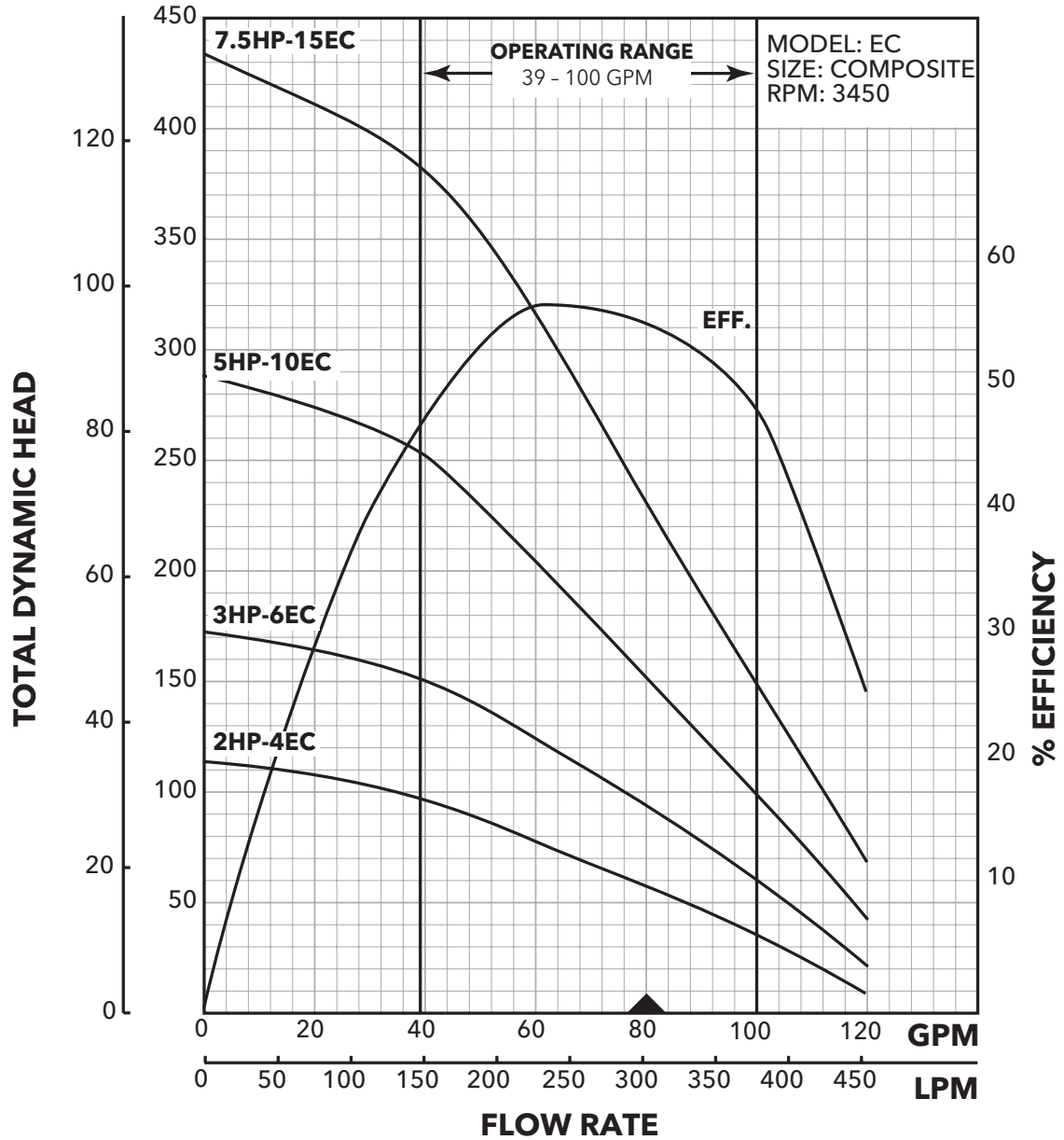
"FC" Series, 50 GPM

Guaranteed as minimum performance only if certified.

Minimum Well Size: 4" I.D.

"EC" SERIES 4" PUMPS - 80 GPM

METERS FEET



▲ Rated Flow at Best Efficiency

"EC" Series, 80 GPM

Guaranteed as minimum performance only if certified.

Minimum Well Size: 4" I.D.

Xylem |'zīləm|

- 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, and agricultural settings. With its October 2016 acquisition of Sensus, Xylem added smart metering, network technologies and advanced data analytics for water, gas and electric utilities to its portfolio of solutions. 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.

For more information on how Xylem can help you, go to www.xylem.com



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