

SUBMERSIBLE RECESSED IMPELLER SEWAGE PUMP

Series: BVRI
1.5 to 3 HP - 3450 RPM
Spherical solids handling: 2½" & 3"



Representative image.

DISCHARGE

2.5" & 3" NPT elbow, vertical.

LIQUID TEMPERATURE

104 °F (40 °C).

VOLUTE

Cast iron ASTM A-48, class 30.

MOTOR HOUSING

304 series stainless steel.

IMPELLER

Design: 6 & 8 vane, semi-open Vortex.

Material: Cast iron ASTM A-48, class 30.

SHAFT

410 series stainless steel.

HARDWARE

304 series stainless steel.

GASKET

NBR (Nitrile Buna-N Rubber).

SEAL

Design: double, mechanical, oil filled chamber.

Material: carbon-ceramic upper seal, silicon carbide lower seal, stainless steel spring.

MOTOR

1 & 3 phase, 230 volts, 60 Hz, 3450 RPM. For continuous duty, with protection IP68 in winding, insulation class B.

BEARINGS

Ball, single row, permanently oil lubricated for 60,000 hours of work. Designed for radial and axial loads.

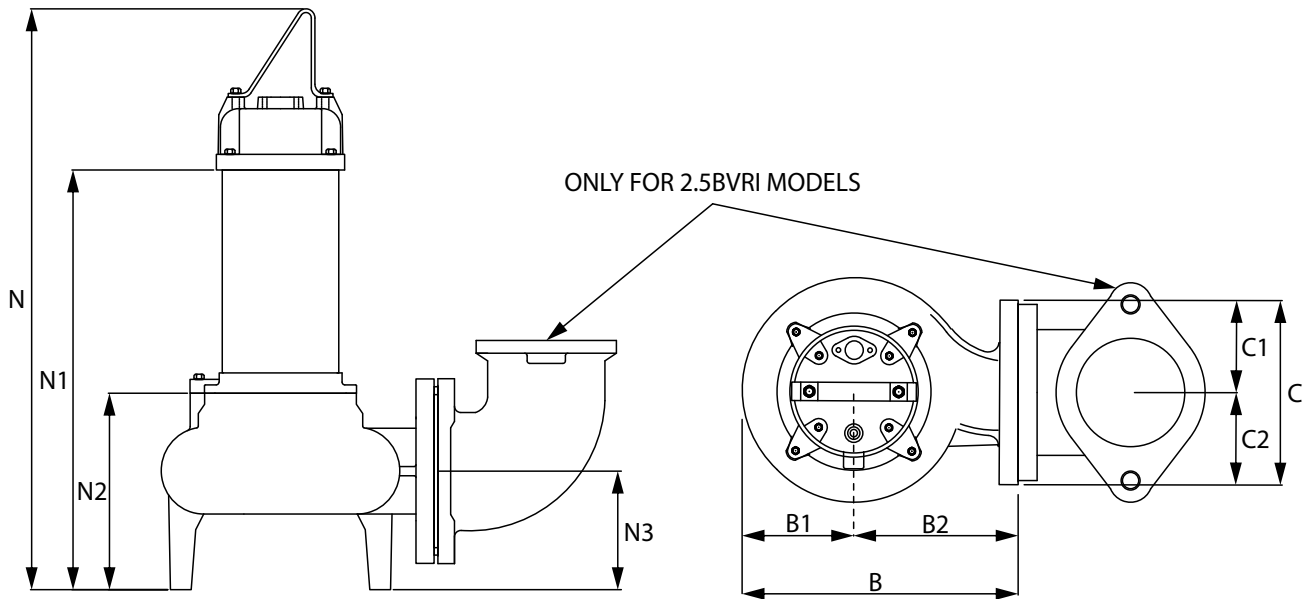
CORD ENTRY

16 ft of neoprene cord.

MODEL	HP	VOLTS	PHASE	F.L.A.	Ø DISCHARGE	SPH SLD HNDLG	WEIGHT (pounds)
2.5BVRI-152-65DS	1.5	230	1	8	2.5"	2.5"	60
2.5BVRI-153-65DS	1.5	230	3	4.6	2.5"	2.5"	60
2.5BVRI-202-65DS	2	230	1	9.9	2.5"	2.5"	65
2.5BVRI-203-65DS	2	230	3	7.2	2.5"	2.5"	65
2.5BVRI-303-65DS	3	230	3	10	2.5"	2.5"	69
3.0BVRI-152-80DS	1.5	230	1	10.1	3"	3"	67
3.0BVRI-153-80DS	1.5	230	3	6	3"	3"	67
3.0BVRI-202-80DS	2	230	1	11	3"	3"	72
3.0BVRI-203-80DS	2	230	3	7.8	3"	3"	72
3.0BVRI-303-80DS	3	230	3	10.4	3"	3"	76

MODEL	DIMENSIONS (in)									
	B	B1	B2	C	C1	C2	N	N1	N2	N3
2.5BVRI-150-65DS	10.6	6.3	4.3	7.5	3.7	3.7	22.8	15.9	7.3	4.1
2.5BVRI-200-65DS	10.6	6.3	4.3	7.5	3.7	3.7	23.6	16.7	7.3	4.1
3.0BVRI-300-65DS	10.6	6.3	4.3	7.5	3.7	3.7	24.8	17.9	7.3	4.1
3.0BVRI-150-80DS	11.8	7.1	4.7	7.9	3.9	3.9	24.2	17.3	8.7	5.1
3.0BVRI-200-80DS	11.8	7.1	4.7	7.9	3.9	3.9	25.0	18.1	8.7	5.1
3.0BVRI-300-80DS	11.8	7.1	4.7	7.9	3.9	3.9	26.2	19.3	8.7	5.1

barmesapumps.com



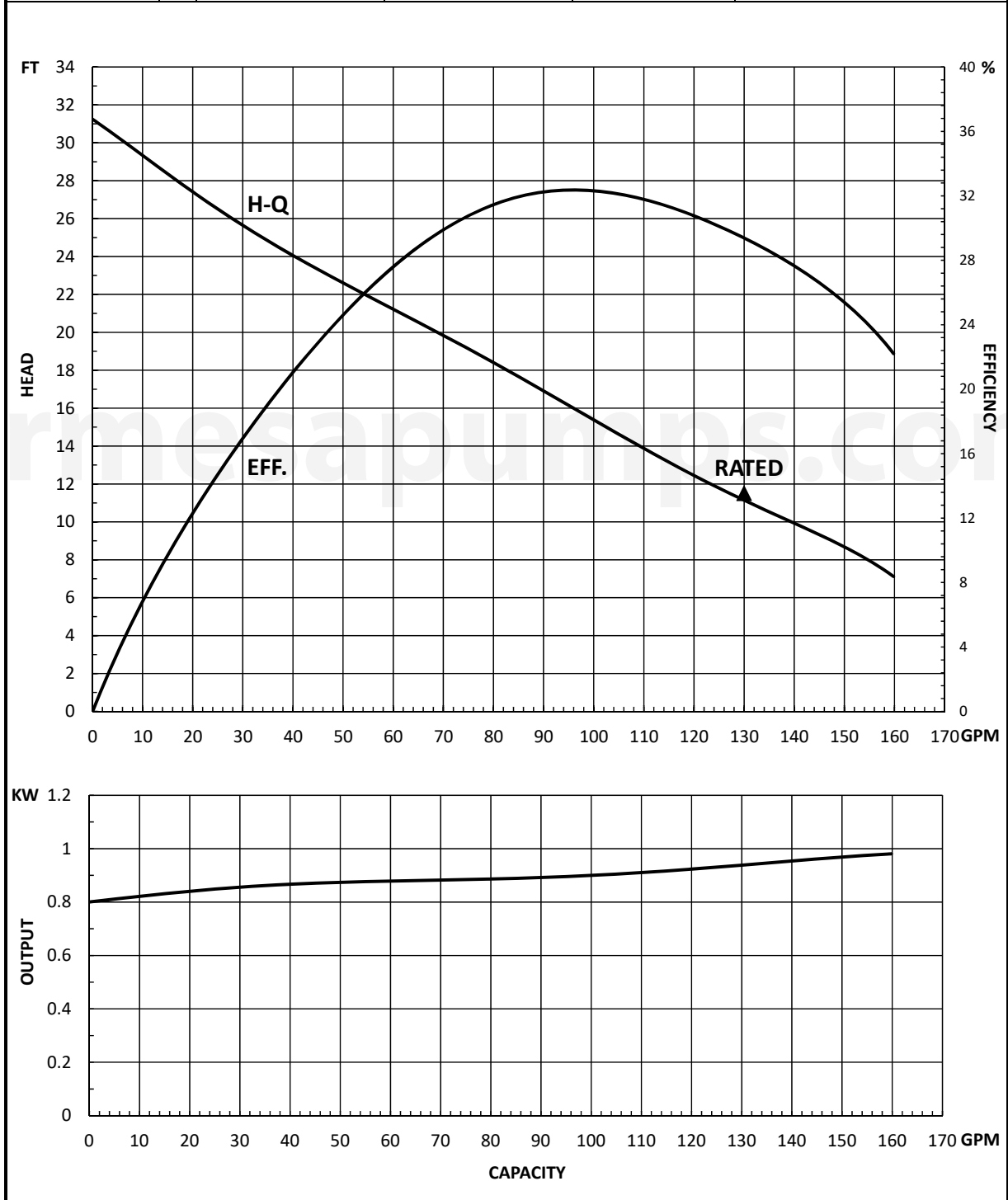
IMPORTANT!

1. Never use this pump to handle explosive liquids.
2. This pump is not approved to be used in swimming pools, recreational installations or any application where human contact may be common.
3. Pump may be operated "dry" for extended periods without damage to motor &/or seals.
4. Testing is performed with water specific gravity of 1.0 @ 68 °F (20 °C); other fluids may vary performance.

PERFORMANCE CURVES

Submersible Recessed
Impeller Sewage Pump
Series: **BVRI**

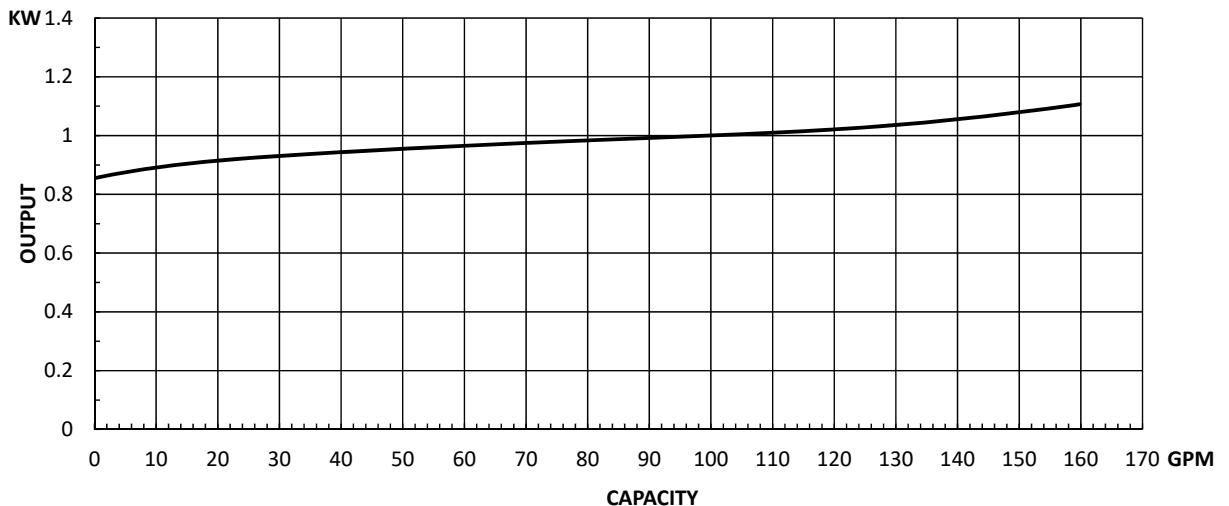
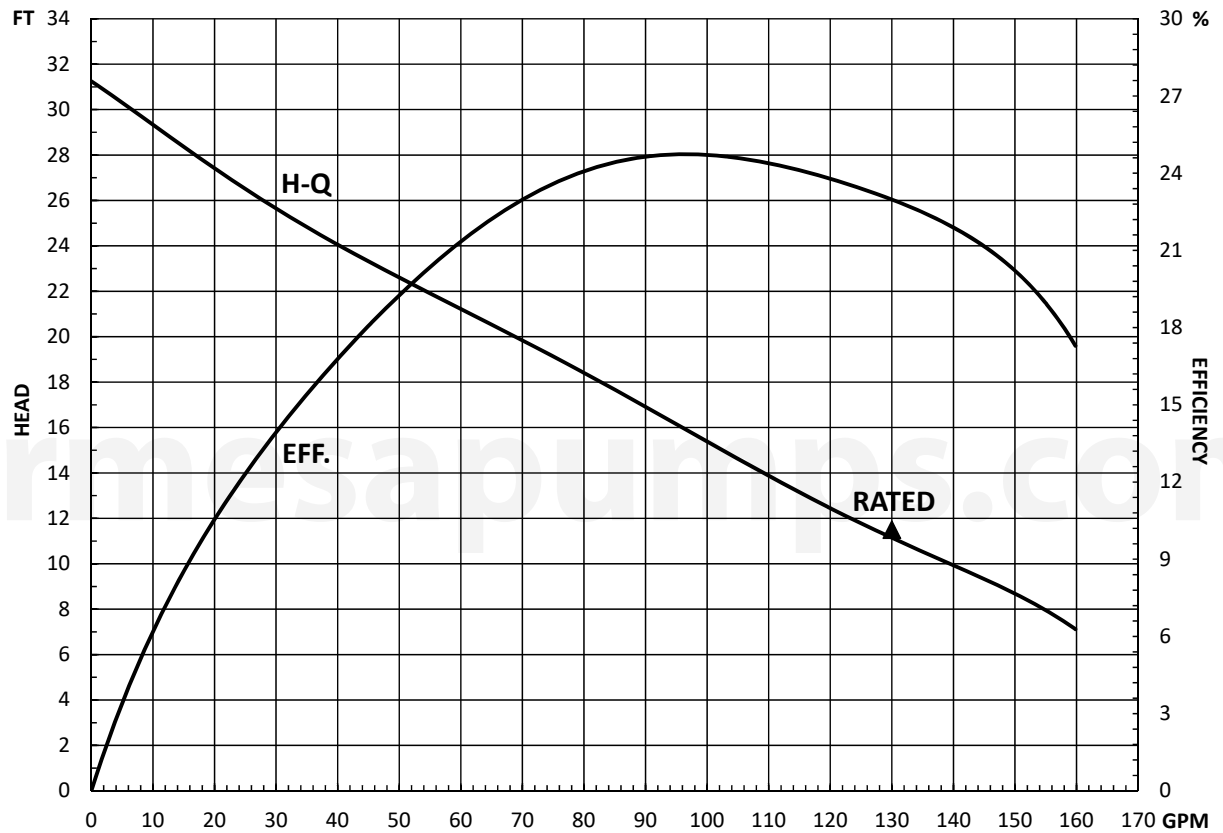
MODEL	2.5BVRI-152-65DS			RATED				
FREQUENCY	60 HZ			HEAD	11.5	FT	3.5	M
DISCHARGE	2.5 INCH / 65 MM			CAPACITY	130	GPM	492	LPM
OUTPUT	1.5 HP / 1.1 KW			POLE / RPM	2 P / 3450 RPM			
PHASE/VOLTAGE	1Ø	115V	230V	START METHOD	CAPACITOR			
F.L.A.	A	16	8	INSULATION CLASS	B			CLASS



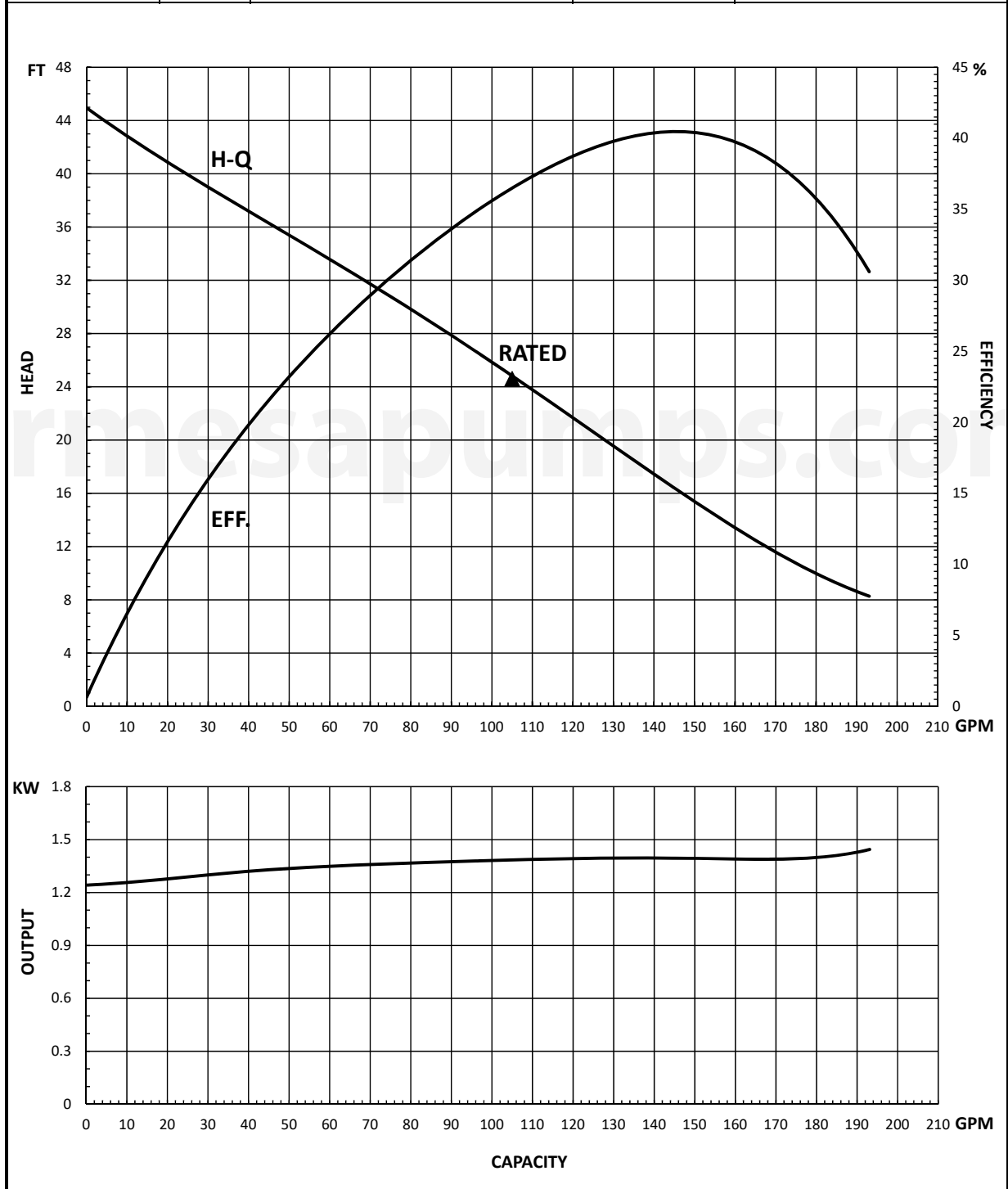
PERFORMANCE CURVES

Submersible Recessed
Impeller Sewage Pump
Series: **BVRI**

MODEL	2.5BVRI-153-65DS			HEAD	RATED		
FREQUENCY	60 HZ			11.5	FT	3.5	M
DISCHARGE	2.5 INCH / 65 MM			CAPACITY	130	GPM	492 LPM
OUTPUT	1.5 HP / 1.1 KW			POLE / RPM	2 P / 3450 RPM		
PHASE/VOLTAGE	3Ø	230V	460V	START METHOD	DIRECT		
F.L.A.	A	4.6	2.3	INSULATION CLASS	B CLASS		



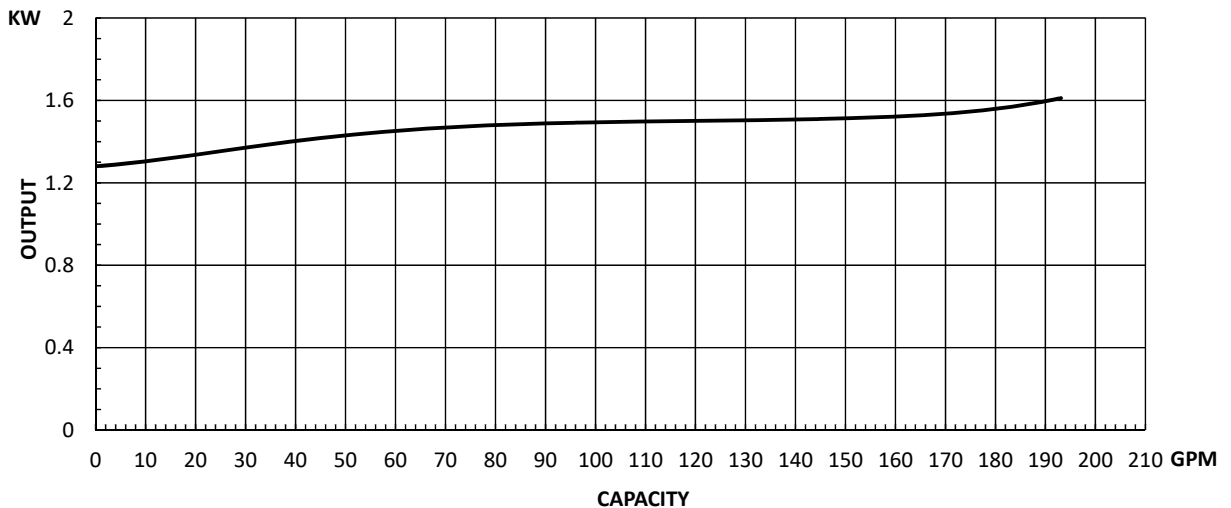
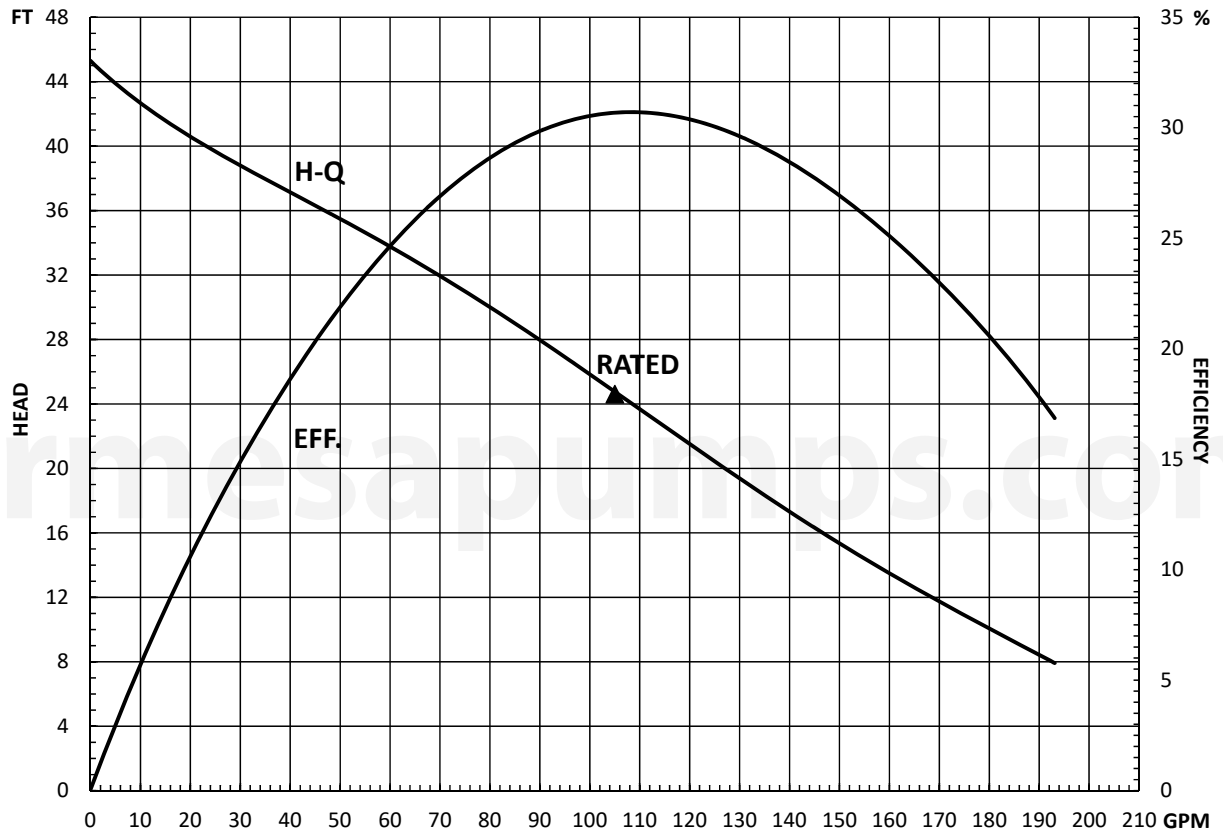
MODEL	2.5BVRI-202-65DS				RATED			
FREQUENCY	60 HZ		HEAD	24.6	FT	7.5	M	
DISCHARGE	2.5 INCH / 65 MM		CAPACITY	105	GPM	397.5	LPM	
OUTPUT	2 HP / 1.5 KW		POLE / RPM	2 P / 3450 RPM				
PHASE/VOLTAGE	1Ø	230V	START METHOD	CAPACITOR				
F.L.A.	A	9.9	INSULATION CLASS	B		CLASS		



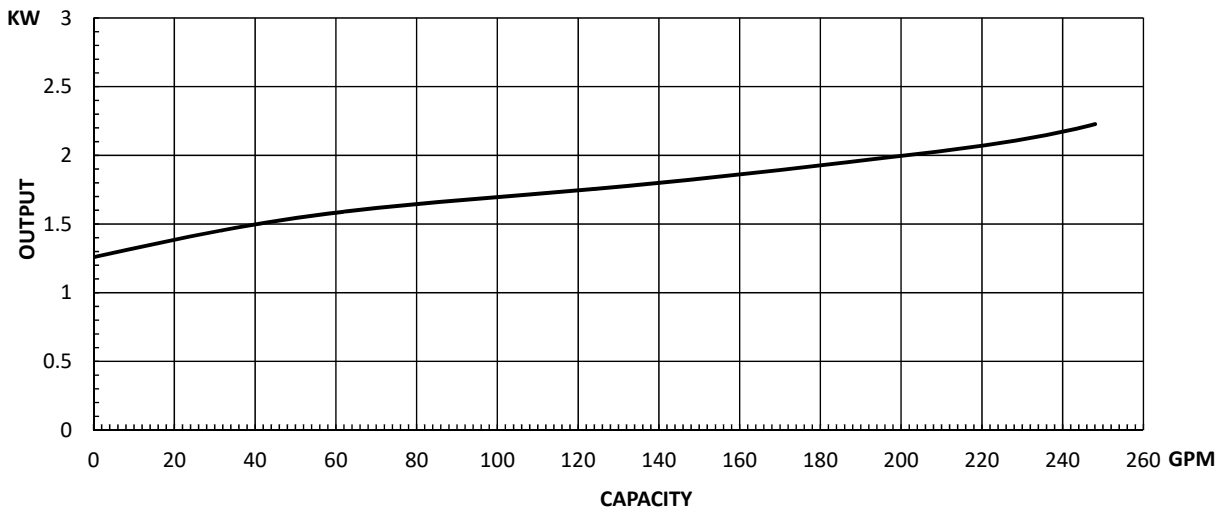
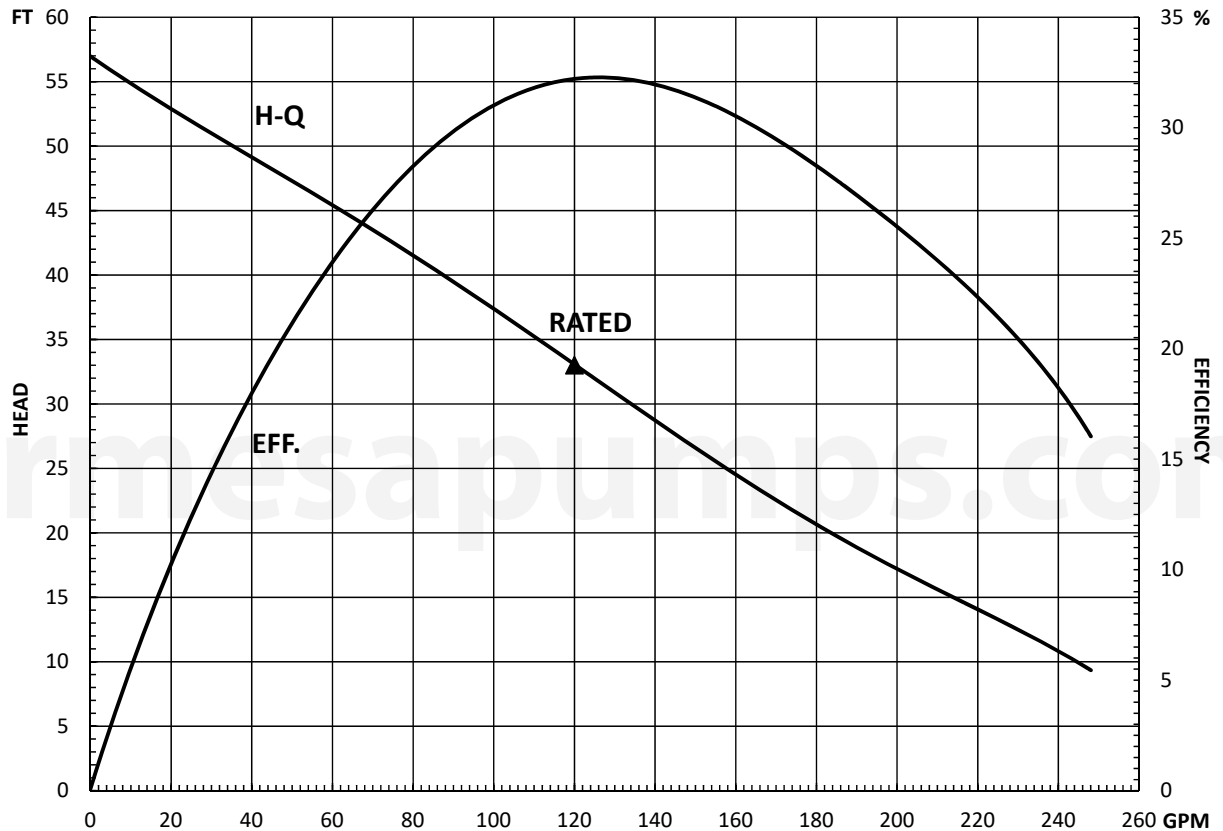
PERFORMANCE CURVES

Submersible Recessed
Impeller Sewage Pump
Series: **BVRI**

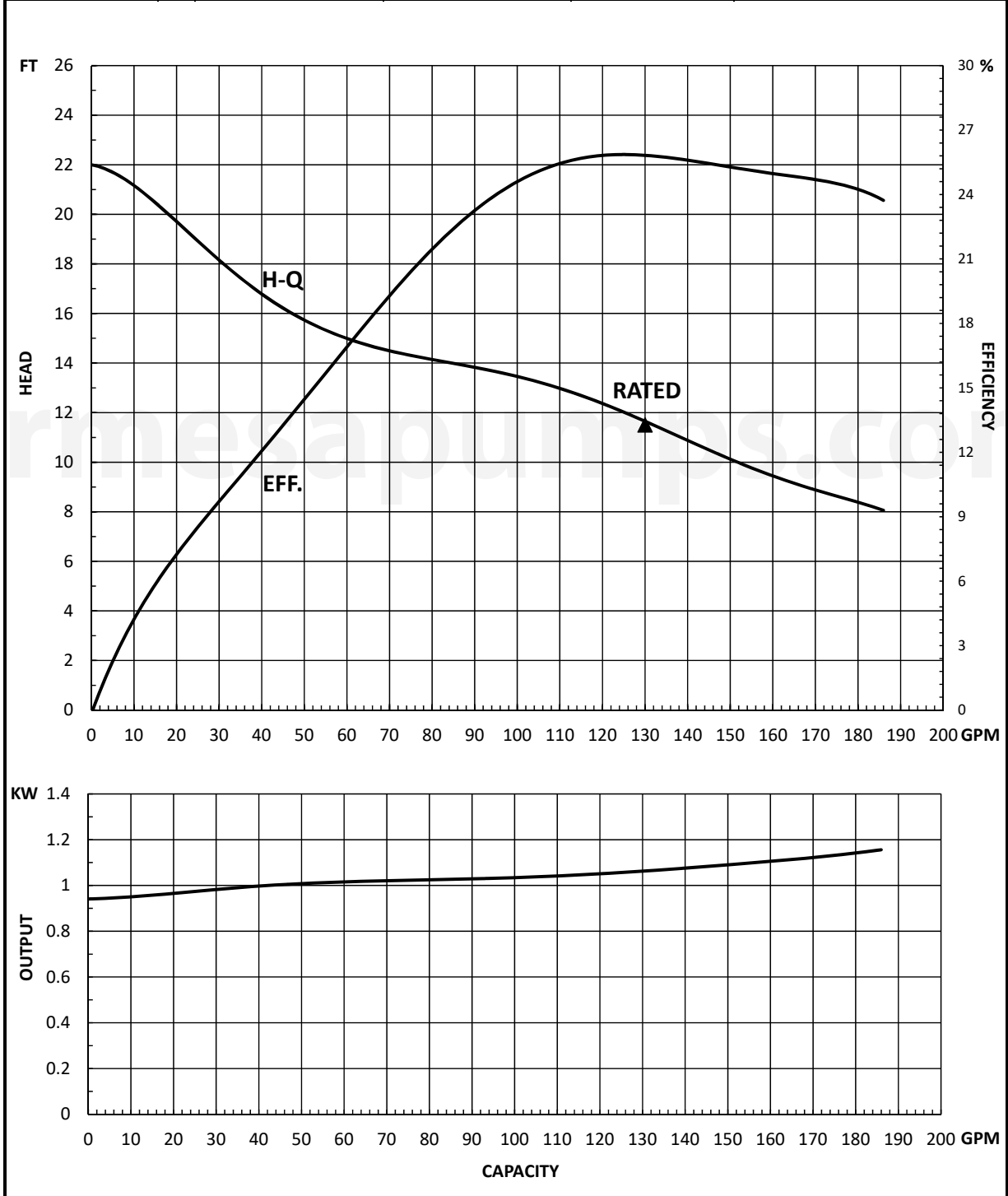
MODEL	2.5BVRI-203-65DS			RATED				
FREQUENCY	60 HZ			HEAD	24.6	FT	7.5	M
DISCHARGE	2.5 INCH / 65 MM			CAPACITY	105	GPM	397.5	LPM
OUTPUT	2 HP / 1.5 KW			POLE / RPM	2 P / 3450 RPM			
PHASE/VOLTAGE	3Ø	230V	460V	START METHOD	DIRECT			
F.L.A.	A	7.2	3.6	INSULATION CLASS	B CLASS			



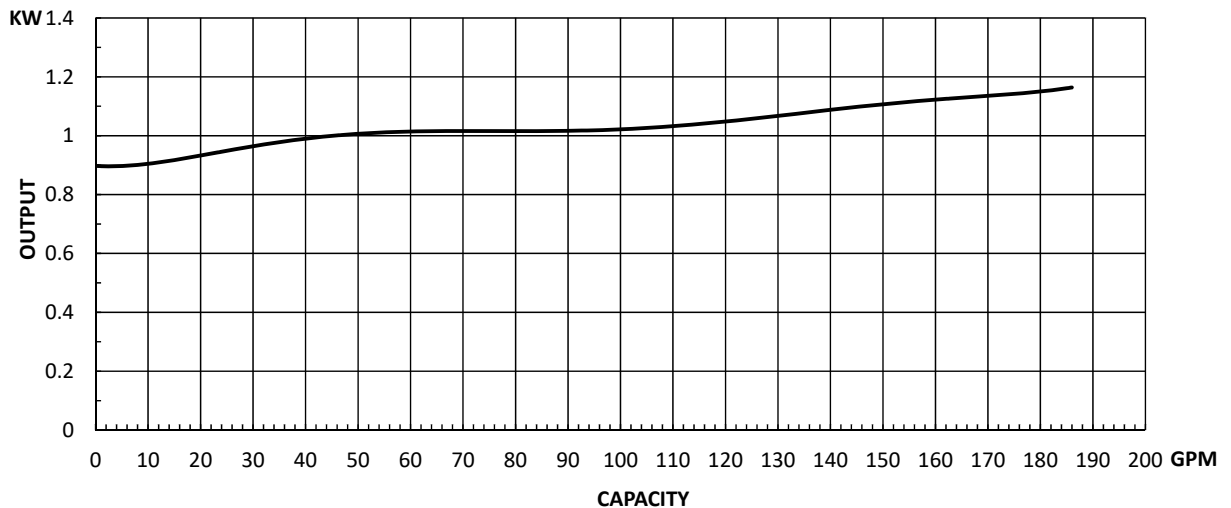
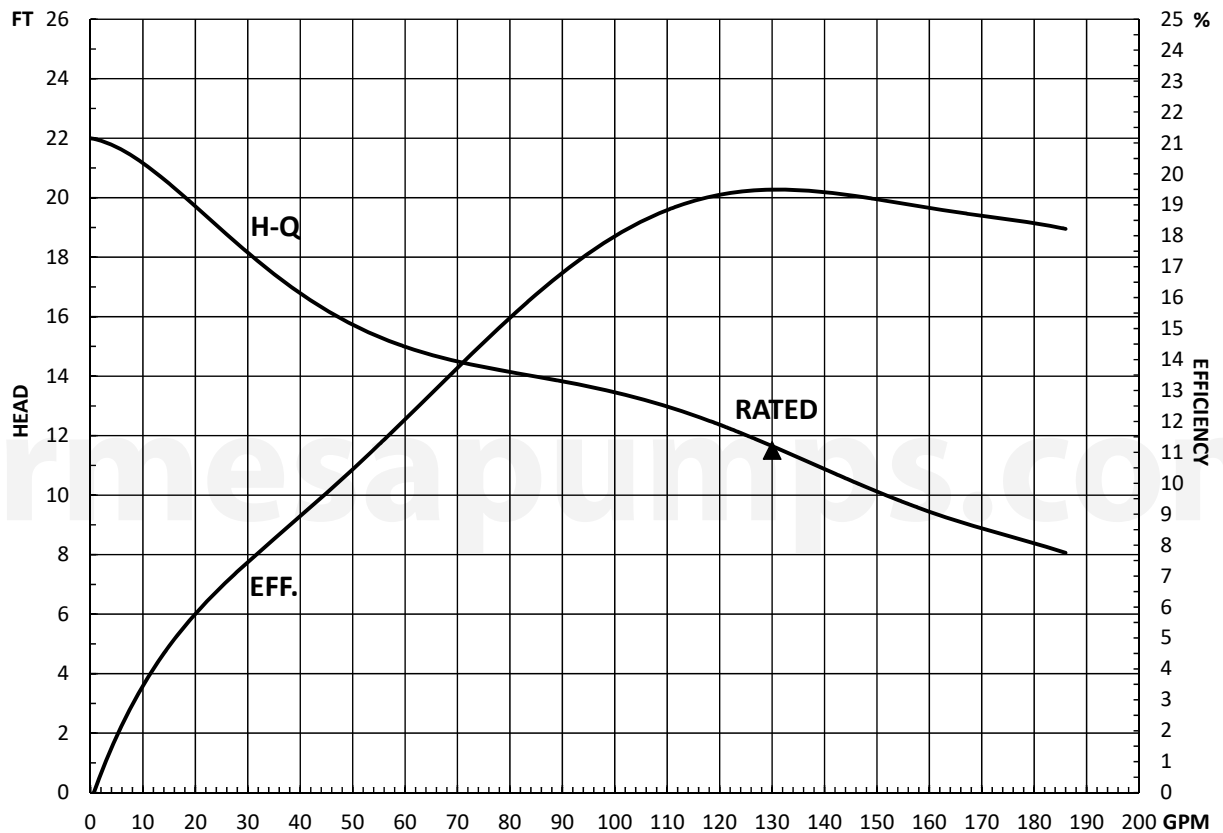
MODEL	2.5BVRI-303-65DS			HEAD		RATED		
FREQUENCY	60 HZ			33	FT	10	M	
DISCHARGE	2.5 INCH / 65 MM			CAPACITY		120	GPM	454 LPM
OUTPUT	3 HP / 2.2 KW			POLE / RPM		2 P / 3450 RPM		
PHASE/VOLTAGE	3Ø	230V	460V	START METHOD		DIRECT		
F.L.A.	A	10	5	INSULATION CLASS		B CLASS		



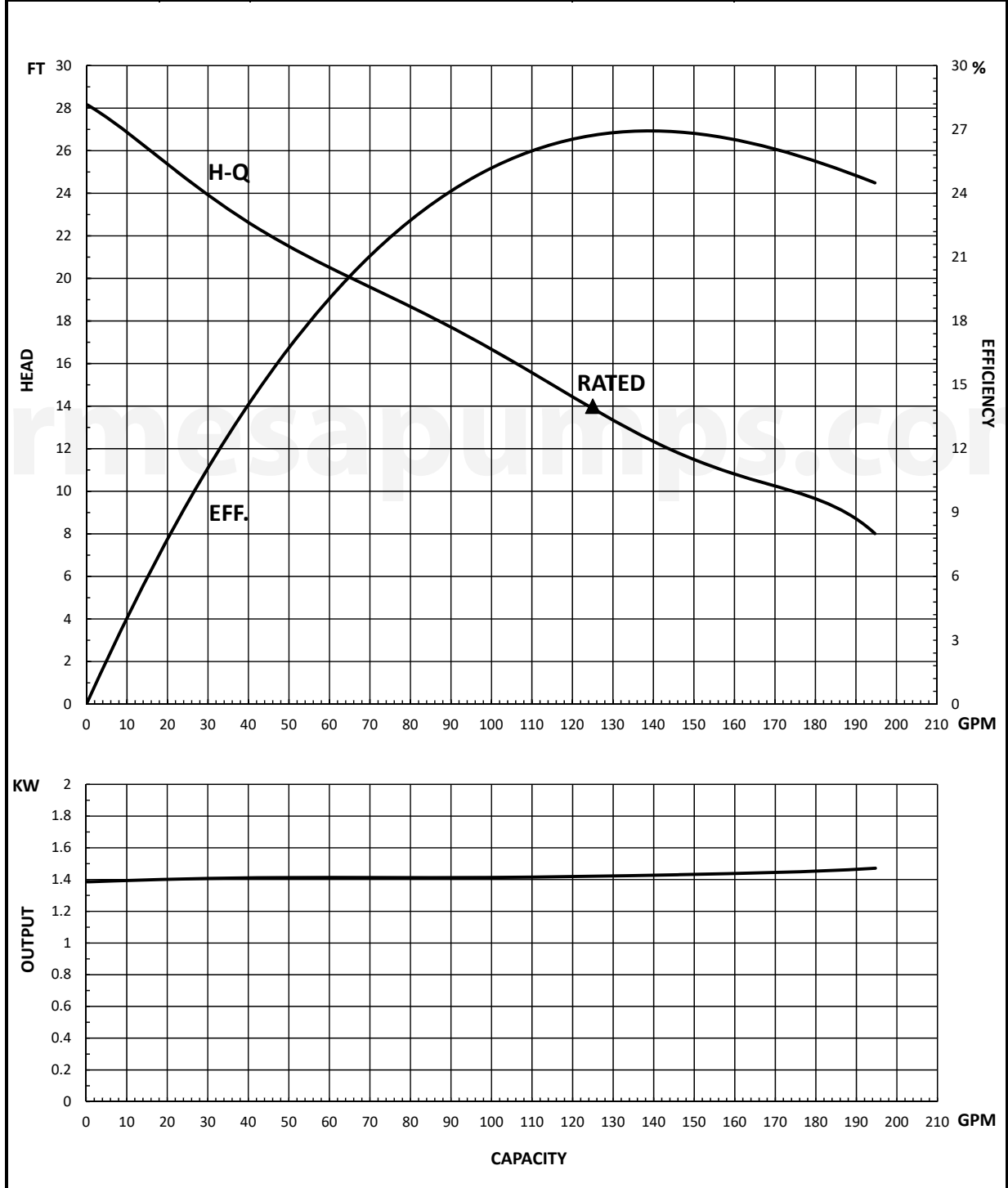
MODEL	3.0BVRI-152-80DS			RATED				
FREQUENCY	60 HZ			HEAD	11.5	FT	3.5	M
DISCHARGE	3 INCH / 80 MM			CAPACITY	130	GPM	492	LPM
OUTPUT	1.5 HP / 1.1 KW			POLE / RPM	2 P / 3450		RPM	
PHASE/VOLTAGE	1Ø	115V	230V	START METHOD	CAPACITOR			
F.L.A.	A	20.2	10.1	INSULATION CLASS	B		CLASS	



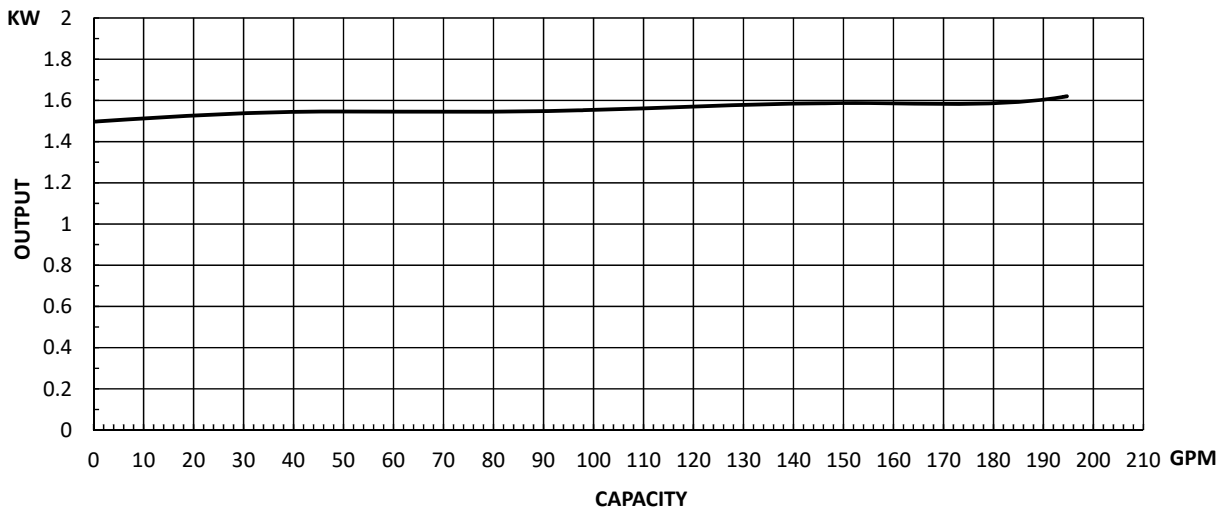
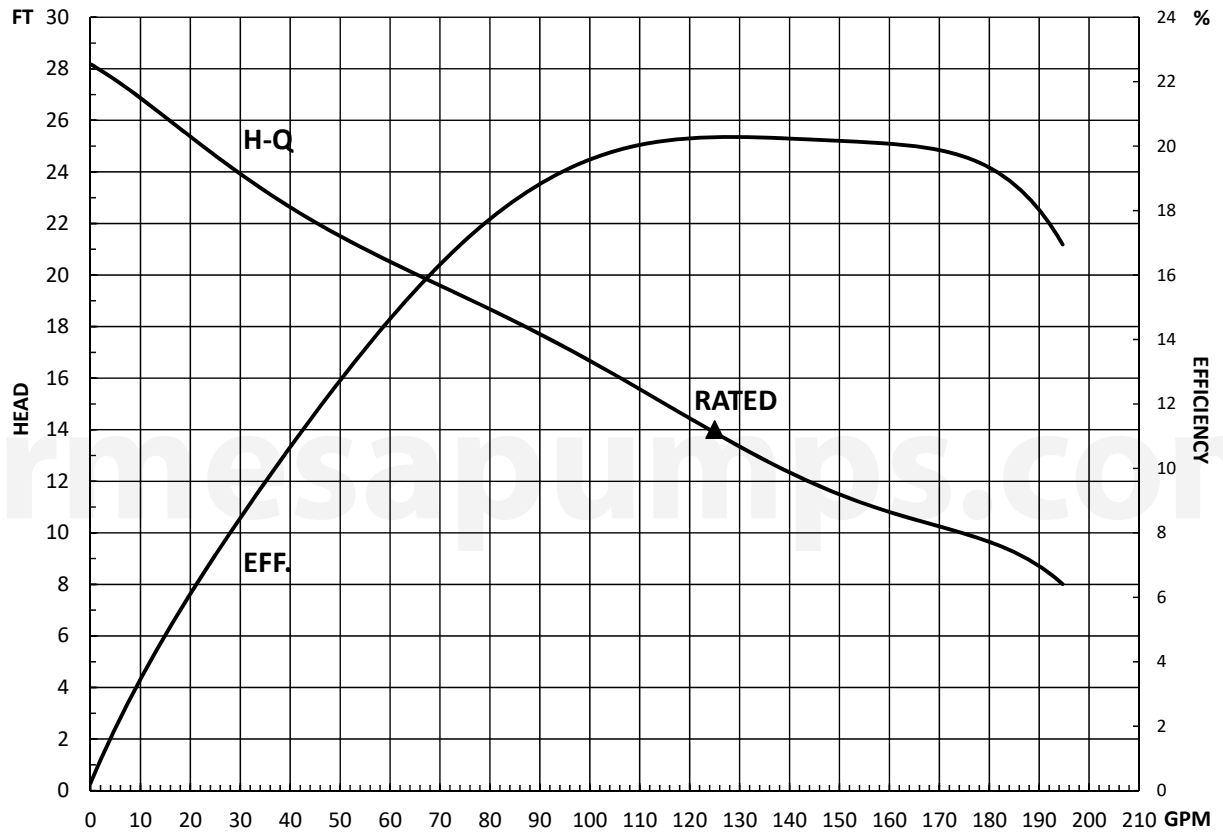
MODEL	3.0BVRI-153-80DS			HEAD	RATED		
FREQUENCY	60 HZ			11.5	FT	3.5	M
DISCHARGE	3 INCH / 80 MM			CAPACITY	130	GPM	492 LPM
OUTPUT	1.5 HP / 1.1 KW			POLE / RPM	2 P / 3450 RPM		
PHASE/VOLTAGE	3 ϕ	230V	460V	START METHOD	DIRECT		
F.L.A.	A	6	3	INSULATION CLASS	B CLASS		



MODEL	3.0BVRI-202-80DS			RATED				
FREQUENCY	60 HZ			HEAD	14	FT	4.3	M
DISCHARGE	3 INCH / 80 MM			CAPACITY	125	GPM	473	LPM
OUTPUT	2 HP / 1.5 KW			POLE / RPM	2 P / 3450		RPM	
PHASE/VOLTAGE	1Ø	230V			START METHOD	CAPACITOR		
F.L.A.	A	11			INSULATION CLASS	B		CLASS



MODEL	3.0BVRI-203-80DS			HEAD	14	FT	4.3	M
FREQUENCY	60 HZ			CAPACITY	125	GPM	473	LPM
DISCHARGE	3 INCH / 80 MM			POLE / RPM	2 P / 3450		RPM	
OUTPUT	2 HP / 1.5 KW			START METHOD	DIRECT			
PHASE/VOLTAGE	3Ø	230V	460V	INSULATION CLASS	B CLASS			
F.L.A.	A	7.8	3.9					



PERFORMANCE CURVES

Submersible Recessed
Impeller Sewage Pump
Series: **BVRI**

MODEL	3.0BVRI-303-80DS			HEAD	RATED		
FREQUENCY	60 HZ			18	FT	5.5	M
DISCHARGE	3 INCH / 80 MM			CAPACITY	185	GPM	700 LPM
OUTPUT	3 HP / 2.2 KW			POLE / RPM	2 P / 3450 RPM		
PHASE/VOLTAGE	3Ø	230V	460V	START METHOD	DIRECT		
F.L.A.	A	10.4	5.2	INSULATION CLASS	B CLASS		

