

END-SUCTION CENTRIFUGAL PUMPS

Series: IB

1 - 15 HP / 1750 & 3500 RPM

Suction: 2" - 3" NPT

Discharge: 1½" - 2½" NPT



APPLICATIONS

- ▶ Booster systems
- ▶ Water transfer
- ▶ Chilled water system
- ▶ High flow-rate / medium pressure

VOLUTE

Cast iron ASTM A-48 class 30.

INTERMEDIATE COUPLING

Cast iron ASTM A-48 class 30.

IMPELLER

- ▶ Stainless steel 304
- ▶ Investment casting
- ▶ Dynamically balanced

SEAL

Design: mechanical, type 01.

Material: Ceramic stationary part, carbon ring seal and exclusion in the rotating part. Buna-N elastomer and stainless steel spring.

SHAFT SLEEVE

Stainless steel.

O-RINGS

Buna-N.

MOTOR

High quality premium efficiency TEFC or ODP electric motors, designed & developed in accordance with industry standards for industrial and commercial pumping applications.

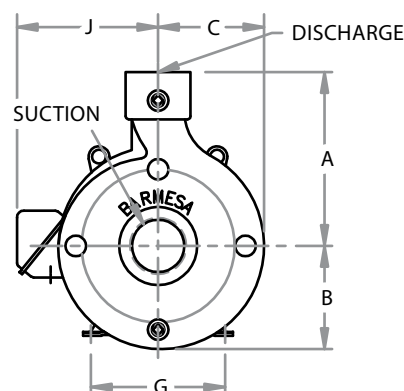
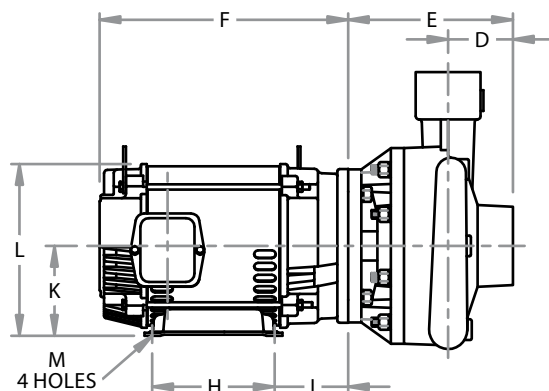
- ▶ 1 & 3 phases, 60 Hz
- ▶ Rated output: 1 to 15 HP
- ▶ 1750 & 3500 RPM
- ▶ Frame sizes: 143 JM to 254 JM

HARDWARE

Carbon steel.

PAINT

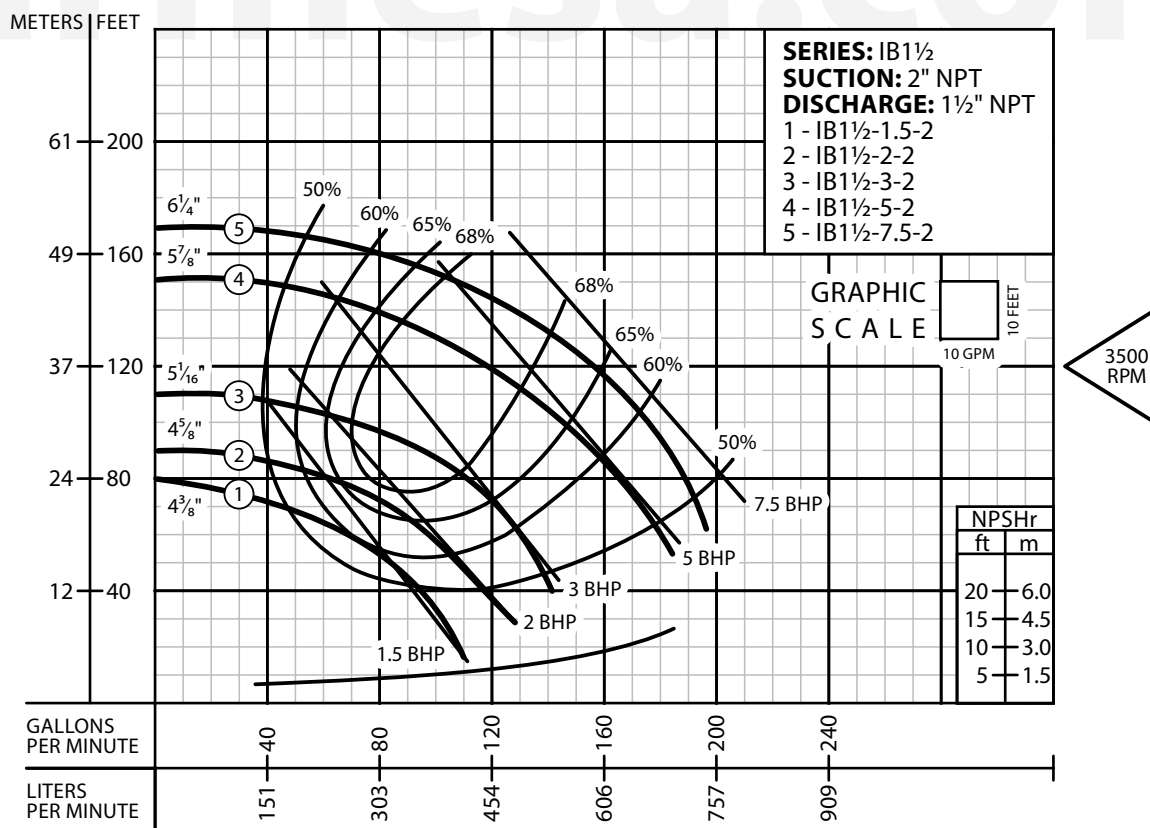
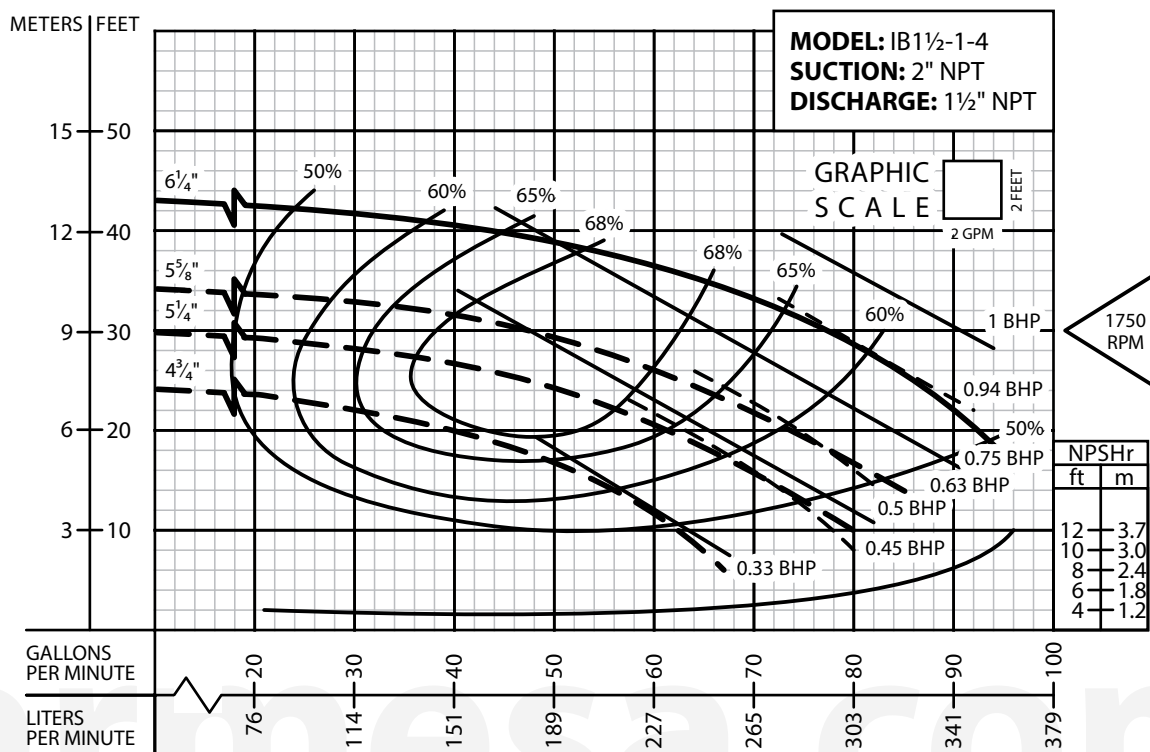
Air dry enamel, water based.



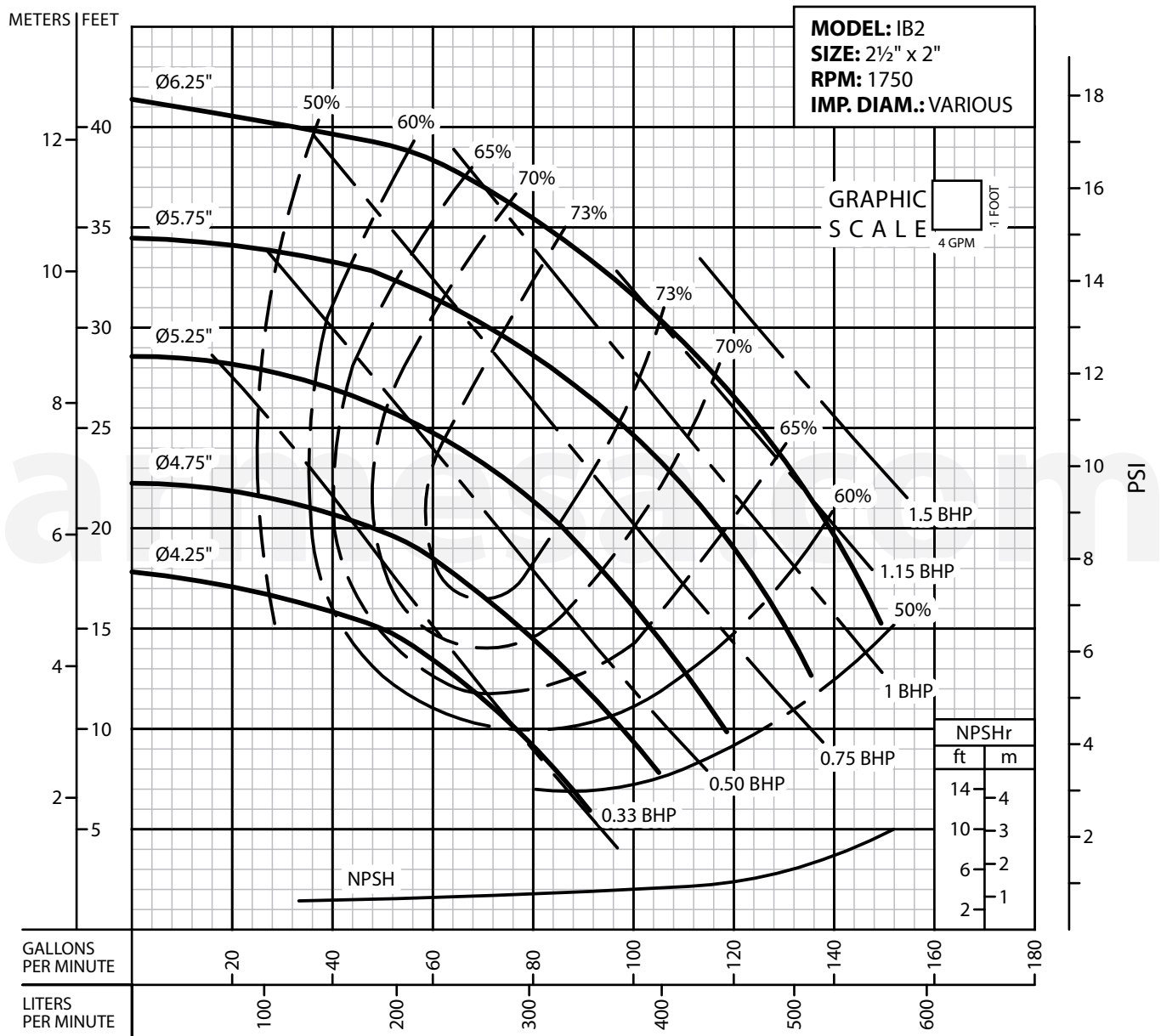
MODEL	PART No.	SIZE	HP	PHASE	RPM	ENCL.	FRAME	A	B	C	D	E	F	G	H	I	J	K	L	M
IB1½-3-2-1	62070061	2" x 1½" NPT	3	1	3500	ODP	182JM	7.38	4.38	4.5	2.75	7	13.56	7.5	4.5	3.5	7.5	4.5	9.25	0.41
IB1½-5-2-1	62070062		5	1	3500	ODP	184JM					7	11.81	7.5	5.5	3.63	6.88	4.5	8.5	-
IB1½-7.5-2-1	62070063		7.5	1	3500	ODP	213JM					7.13	15.63	8.5	5.5	4.25	8.25	5.25	10.25	0.44
IB1½-1-4	62070001		1	3	1750	ODP	143JM					7	12	5.5	4	2.75	-	3.5	6.75	0.34
IB1½-1.5-2	62070002		1.5	3	3500	ODP	-					-	-	-	-	-	-	-	-	-
IB1½-1.5-4	62070003		1.5	3	1750	ODP	-					-	-	-	-	-	-	-	-	-
IB1½-2-2	62070004		2	3	3500	ODP	-					-	-	-	-	-	-	-	-	-
IB1½-2-4	62070005		2	3	1750	ODP	-					-	-	-	-	-	-	-	-	-
IB1½-3-2	62070006		3	3	3500	ODP	182JM					7	11.81	7.5	4.5	3.63	6.88	4.5	8.5	0.41
IB1½-5-2	62070007		5	3	3500	ODP	-					7	11.81	7.5	5.5	3.63	6.88	4.5	8.5	0.41
IB1½-7.5-2	62070008	2" x 1½" NPT	7.5	3	3500	ODP	184JM	7.38	4.38	4.5	2.75	7	13.56	7.5	4.5	3.5	7.5	4.5	9.28	0.41
IB1½-3-2-1	62071061		3	1	3500	TEFC	182JM					7	11.81	7.5	5.5	3.63	6.88	4.5	8.5	-
IB1½-5-2-1	62071062		5	1	3500	TEFC	184JM					7	11.81	7.5	5.5	3.63	6.88	4.5	8.5	-
IB1½-7.5-2-1	62071063		7.5	1	3500	TEFC	-					7	11.81	7.5	5.5	3.63	6.88	4.5	8.5	-
IB1½-1-4	62071001		1	3	1750	TEFC	-					7	10	5.5	4	2.09	6.13	3.5	7.31	0.34
IB1½-1.5-2	62071002		1.5	3	3500	TEFC	143JM					7	10	5.5	4	2.09	6.13	3.5	7.31	0.34
IB1½-1.5-4	62071003		1.5	3	1750	TEFC	-					7	10	5.5	4	2.09	6.13	3.5	7.31	0.34
IB1½-2-2	62071004		2	3	3500	TEFC	145JM					7	10	5.5	4	2.09	6.13	3.5	7.31	0.34
IB1½-2-4	62071005		2	3	1750	TEFC	-					7	10	5.5	4	2.09	6.13	3.5	7.31	0.34
IB1½-3-2	62071006		3	3	3500	TEFC	182JM					7	13.56	7.5	4.5	3.5	7.5	4.5	9.28	0.41
IB1½-5-2	62071007	2½" x 2" NPT	5	3	3500	TEFC	184JM	7.75	4.63	4.81	2.88	7	13.56	7.5	5.5	3.5	7.5	4.5	9.28	0.41
IB1½-7.5-2	62071008		7.5	3	3500	TEFC	213JM					7.13	15.63	8.5	5.5	4.25	8.25	5.25	10.25	0.44
IB2-3-2-1	62070071		3	1	3500	ODP	182JM					7.13	13.56	7.5	4.5	3.5	7.5	4.5	9.28	0.41
IB2-5-2-1	62070072		5	1	3500	ODP	184JM					7.13	11.81	7.5	5.5	3.63	6.88	4.5	8.5	-
IB2-7.5-2-1	62070073		7.5	1	3500	ODP	213JM					7.13	15.63	8.5	5.5	4.25	8.25	5.25	10.25	0.44
IB2-1-4	62070021		1	3	1750	ODP	-					7.13	10	5.5	5	2.09	6.13	3.5	6.63	0.34
IB2-1.5-4	62070022		1.5	3	1750	ODP	145JM					7.13	10	5.5	5	2.09	6.13	3.5	6.63	0.34
IB2-2-2	62070023		2	3	3500	ODP	-					7.13	10	5.5	5	2.09	6.13	3.5	6.63	0.34
IB2-2-4	62070024		2	3	1750	ODP	-					7.13	10	5.5	5	2.09	6.13	3.5	6.63	0.34
IB2-3-2	62070025		3	3	3500	ODP	-					7.13	10	5.5	5	2.09	6.13	3.5	6.63	0.34
IB2-5-2	62070026	2½" x 2" NPT	5	3	3500	ODP	182JM	7.75	4.63	4.81	2.88	7.13	11.81	7.5	4.5	3.63	6.88	4.5	8.5	0.41
IB2-7.5-2	62070027		7.5	3	3500	ODP	184JM					7.25	13.5	8.5	5.5	4.25	7.6	5.25	9.96	-
IB2-10-2	62070028		10	3	3500	ODP	213JM					7.13	13.56	7.5	5.5	3.5	7.5	4.5	9.28	0.41
IB2-3-2-1	62071071		3	1	3500	TEFC	182JM					7.13	13.56	7.5	4.5	3.5	7.5	4.5	9.28	0.41
IB2-5-2-1	62071072		5	1	3500	TEFC	184JM					7.13	11.81	7.5	5.5	3.63	6.88	4.5	8.5	-
IB2-7.5-2-1	62071073		7.5	1	3500	TEFC	-					7.13	15.63	8.5	5.5	4.25	8.25	5.25	10.25	0.44
IB2-1-4	62071021		1	3	1750	TEFC	-					7.13	10	5.5	5	2.09	6.13	3.5	6.63	0.34
IB2-1.5-4	62071022		1.5	3	1750	TEFC	145JM					7.13	10	5.5	5	2.09	6.13	3.5	6.63	0.34
IB2-2-2	62071023		2	3	3500	TEFC	143JM					7.13	10	5.5	5	2.09	6.13	3.5	6.63	0.34
IB2-2-4	62071024		2	3	1750	TEFC	-					7.13	10	5.5	5	2.09	6.13	3.5	6.63	0.34
IB2-3-2	62071025	3" x 2½" NPT	3	3	3500	TEFC	182JM	8.38	5.13	5.25	3.5	7.13	13.56	7.5	4.5	3.5	7.5	4.5	9.28	0.41
IB2-5-2	62071026		5	3	3500	TEFC	184JM					7.13	13.56	7.5	5.5	3.63	6.88	4.5	8.5	-
IB2-7.5-2	62071027		7.5	3	3500	TEFC	213JM					7.25	15.63	8.5	5.5	4.25	8.25	5.25	10.25	0.44
IB2-10-2	62071028		10	3	3500	TEFC	215JM					7.13	13.56	7.5	5.5	3.5	7.5	4.5	9.28	0.41
IB2½-5-2-1	62070081		5	1	3500	ODP	184JM					7.63	11.81	7.5	5.5	3.63	6.88	4.5	8.5	0.41
IB2½-7.5-2-1	62070082		7.5	1	3500	ODP	213JM					7.13	15.63	8.5	5.5	4.25	8.25	5.25	10.25	-
IB2½-1-4	62070041		1	3	1750	ODP	-					7.63	10	5.5	5	2.09	6.13	3.5	6.63	0.34
IB2½-1.5-4	62070042		1.5	3	1750	ODP	-					7.63	10	5.5	5	2.09	6.13	3.5	6.63	0.34
IB2½-2-4	62070043		2	3	1750	ODP	145JM					7.63	10	5.5	5	2.09	6.13	3.5	6.63	0.34
IB2½-3-4	62070044		3	3	1750	ODP	-					7.63	10	5.5	5	2.09	6.13	3.5	6.63	0.34
IB2½-5-2	62070045	3" x 2½" NPT	5	3	3500	ODP	182JM	8.38	5.13	5.25	3.25	7.63	11.81	7.5	4.5	3.63	6.88	4.5	8.5	0.41
IB2½-7.5-2	62070046		7.5	3	3500	ODP	184JM					7.13	13.5	8.5	5.5	4.25	7.6	5.25	9.96	-
IB2½-10-2	62070047		10	3	3500	ODP	213JM					7.13	13.56	7.5	5.5	3.5	7.5	4.5	9.28	0.41
IB2½-15-2	62070048		15	3	3500	ODP	215JM					7.13	13.5	8.5	5.5	4.25	7.6	5.25	9.96	-
IB2½-5-2-1	62070081		5	1	3500	TEFC	184JM					7.63	13.56	7.5	5.5	3.5	7.5	4.5	9.28	0.41
IB2½-7.5-2-1	62071082		7.5	1	3500	TEFC	-					7.63	13.56	7.5	5.5	3.5	7.5	4.5	9.28	0.41
IB2½-1-4	62071041		1	3	1750	TEFC	-					7.63	10	5.5	5	2.09	6.13	3.5	7.31	0.34
IB2½-1.5-4	62071042		1.5	3	1750	TEFC	-					7.63	10	5.5	5	2.09	6.13	3.5	7.31	0.34
IB2½-2-4	62071043		2	3	1750	TEFC	145JM					7.63	10	5.5	5	2.09	6.13	3.5	7.31	0.34
IB2½-3-4	62071044		3	3	1750	TEFC	-					7.63	10	5.5	5	2.09	6.13	3.5	7.31	0.34
IB2½-5-2	62071045	3" x 2½" NPT	5	3	3500	TEFC	184JM	8.38	5.13	5.25	3.25	7.63	13.56	7.5	5.5	3.5	7.5	4.5	9.28	0.41
IB2½-7.5-2	62071046		7.5	3	3500	TEFC	213JM					7.63	13.56	7.5	5.5	3.5	7.5	4.5	9.28	0.41
IB2½-10-2	62071047		10	3	3500	TEFC	215JM					7.75	17.13	8.5	7	4.25	8.25	5.25	10.25	0.44
IB2½-15-2	62071048		15	3	3500	TEFC	254JM					7.75	20.13	10	8.25	4.75	9.94	6.25	12.94	0.53

PERFORMANCE CURVE

End-Suction Centrifugal Close Coupled Series: IB1½



Testing is performed with water specific gravity of 1.0 @ 68 °F (20 °C); other fluids may vary performance.



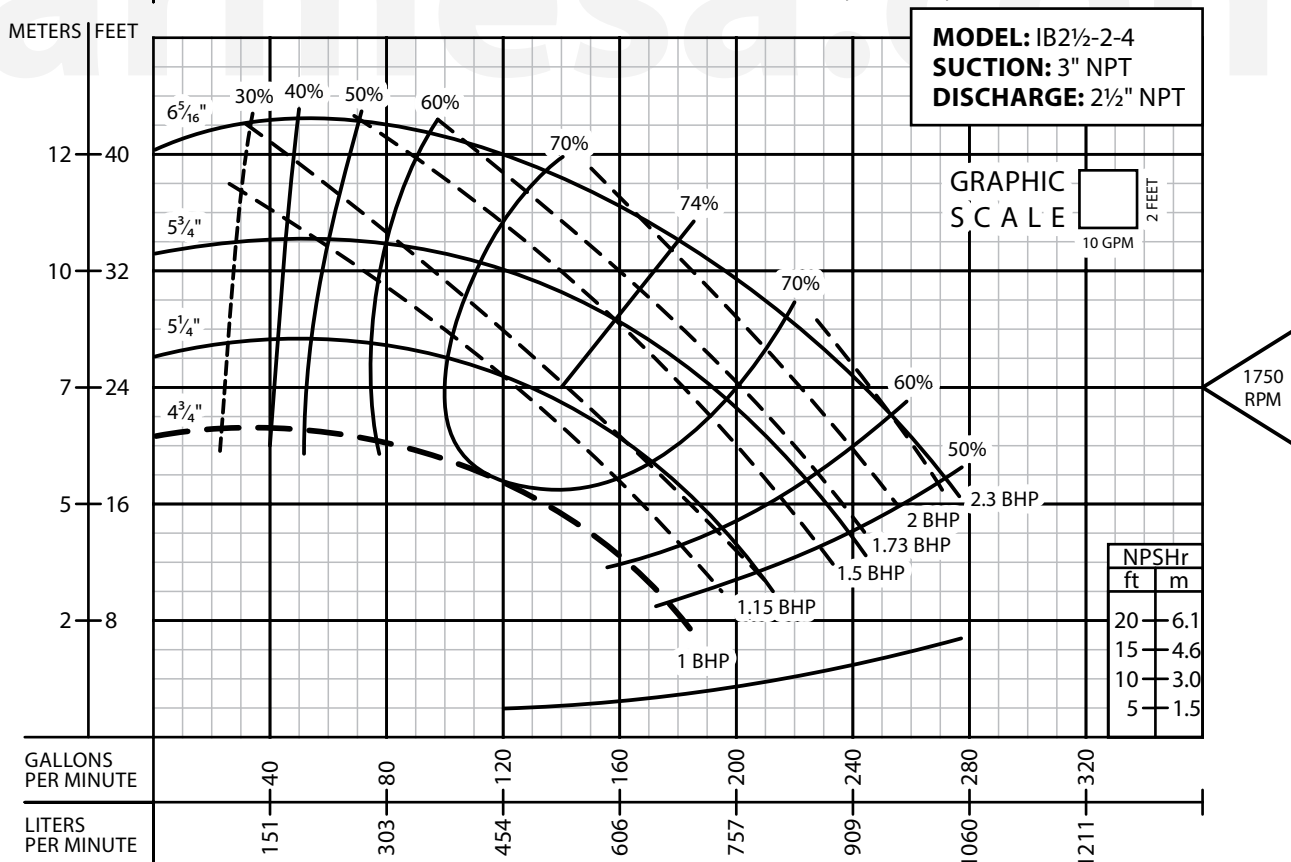
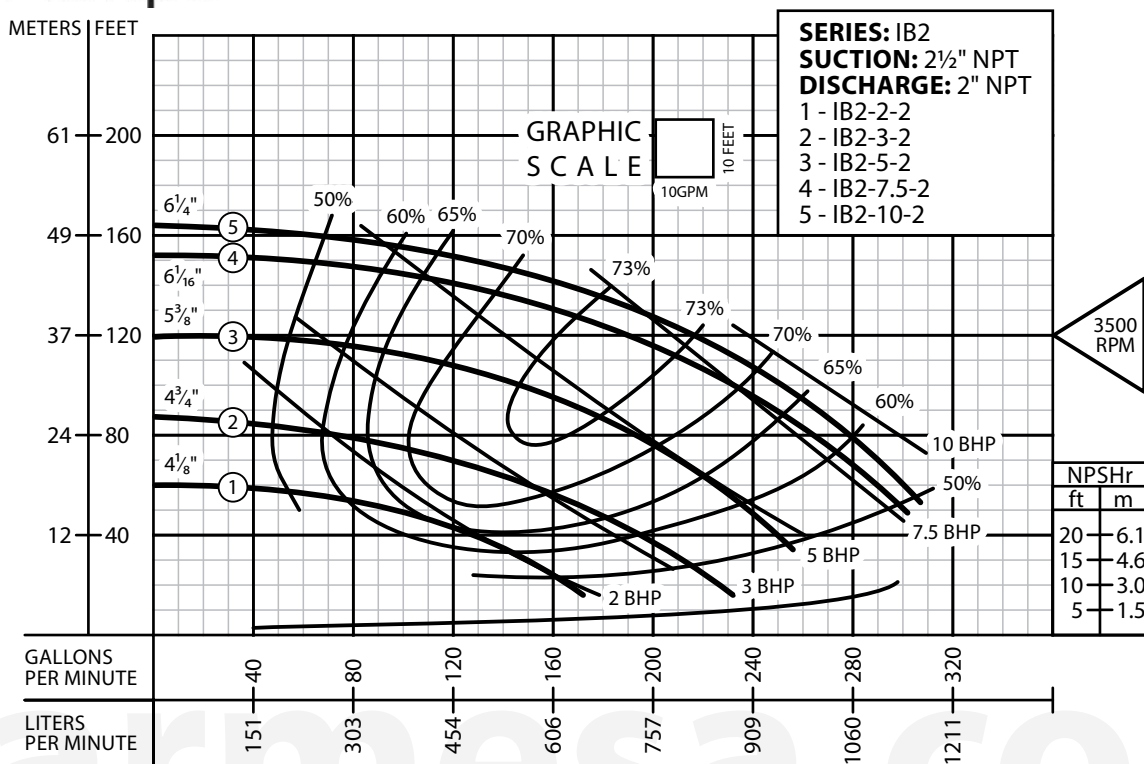
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PERFORMANCE CURVE

End-Suction Centrifugal

Close Coupled

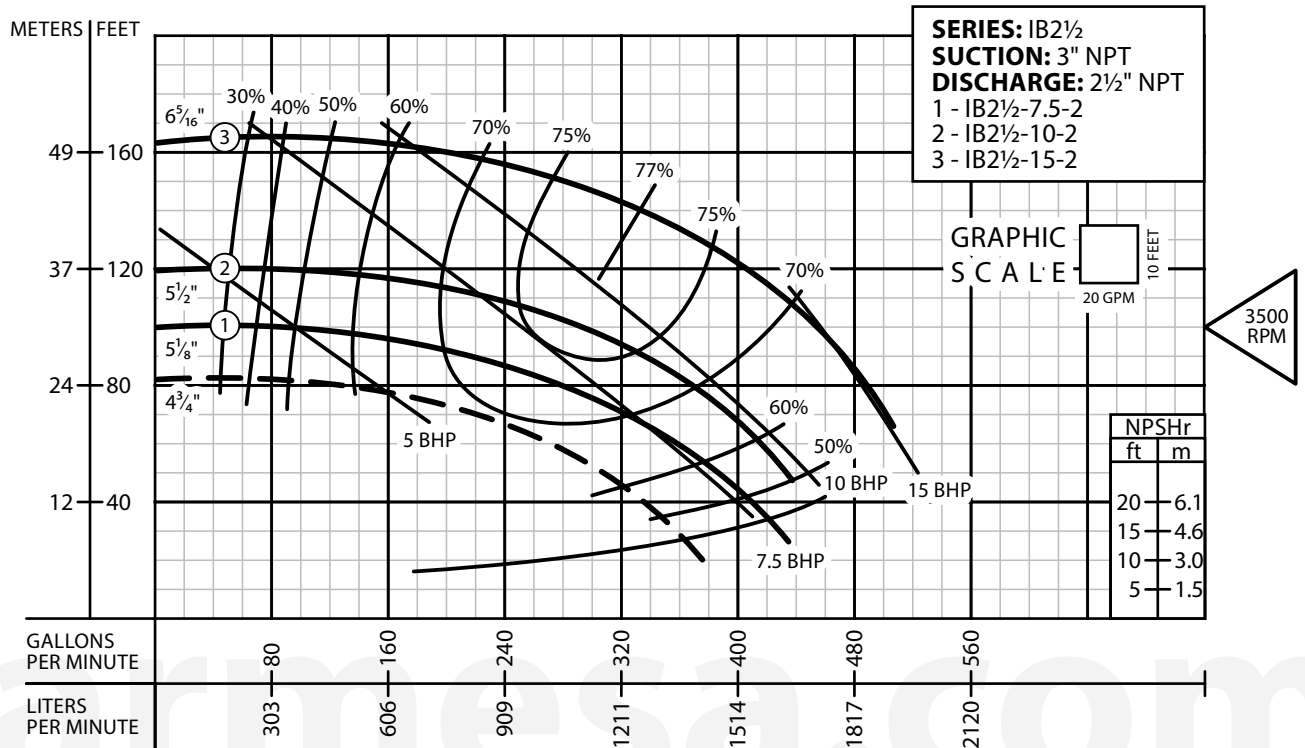
Series: **IB2 & 2½**



Testing is performed with water specific gravity of 1.0 @ 68 °F (20 °C); other fluids may vary performance.

PERFORMANCE CURVE

End-Suction Centrifugal
Close Coupled
Series: **IB2½**



Testing is performed with water specific gravity of 1.0 @ 68 °F (20 °C); other fluids may vary performance.