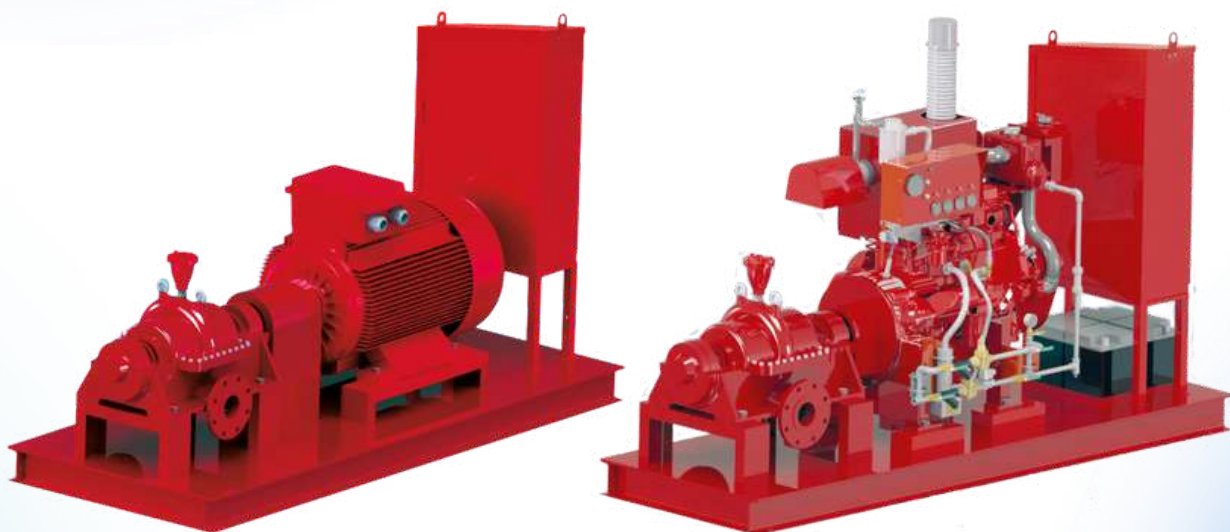




EBITT UL+FM

Approved Fire Pump Sets





EBITT was born from “an idea” and turned into “an ideal”

EBITT is a specialized organization with deep expertise in pump and fluid technologies, capable of accurately interpreting both Turkish and global market demands and translating them into the right solutions.

Founded to be the ideal intersection of supply and demand in fluid technologies, EBITT goes beyond developing and marketing products. It represents a holistic business model built to meet expectations at the highest level.

More than a company, EBITT is a perspective, a system, and a spirit. Its foundation is human capital and accumulated expertise, transferred sustainably like a relay race rather than treated as a traditional capital asset.

For EBITT, innovation is not limited to technological advancement. It is a creative, value-driven approach that prioritizes responsibility, customer expectations, business efficiency, and uncompromising standards for health and safety. Every innovation emerges from this integrated understanding.

Quality, for EBITT, is a non-negotiable standard in all areas involving water and fluids—throughout life. Together with its suppliers, customers, and team members who share this philosophy, EBITT builds long-term, sustainable win-win relationships.

With this mindset, EBITT offers a wide range of products and systems, from basic solutions to process-specific equipment, serving residential, industrial, agricultural, irrigation, pool, treatment, and specialized applications. Beyond standard products, EBITT also delivers tailor-made solutions that maximize added value.

EBITT believes the ideal solution is not always the most expensive one, but the most rational—optimizing needs in the most efficient way.

Positioning itself as a trusted solution provider, EBITT stands out with its values, flexibility, and dynamic structure, ready to respond to evolving demands.

EBITT UL+FM

APPROVED FIRE PUMP SETS



Construction

The fire pump sets are being mounted and aligned with electric motor, and/or diesel engine on a common base plate. The fire pump package includes all pump fittings such as manometers, casing relief valve, and automatic air release valve (for split-case models) to be supplied with approved electric and/or diesel fire pump controller.

Our fire pump sets are being delivered as a package to be operated as for Plug&Run type.

Pumps

Ebitt UL approved fire pumps are ideally developed and produced either for small flows or high flows through well-designed compact packages. Ebitt-N series-End-Suction Fire pumps have back pull out design for easy maintenance, self-venting center line discharge, and low NPSH requirements. The pump construction is ductile iron body, bronze fitted with packing. The shaft and sleeves are in AISI316 Stainless steel and be supported by thrust ball bearings, and radial roller bearing.

Ebitt-SCP series-Double Suction, split-casing pumps are in-line designed, space saving, easy maintenance horizontal type. Our split-case pumps are heavy-duty designed with replaceable wear rings and sleeves. Bearings are mounted and can be replaced without opening pump case. Each stuffing box is fitted with bronze gland and with a stuffing box extension to facilitate the packaging rings removal. The pump construction is ductile iron body, bronze fitted with packaging. The shaft and sleeves are in AISI316 stainless steel and be supported by heavy-duty ball bearings and roller bearing.

Electric Motor

Ebitt UL approved fire pump sets always have Totally Enclosed Fan Cooled (TEFC) type of electric motors. Our motors in our sets have UL Listings, IP55 protection class, and F insulation class. The voltages are in 50 Hz, 380 Volts and/or 415 Volts with Wye-Delta Starting type as in standard.

Diesel Engines

Ebitt fire pumps are being directly connected through flexible coupling to the diesel engines manufactured by Clarke. All our approved fire pumps are having UL Listed, FM Approved diesel engines with granted and guaranteed continuous power ratings. The diesel engines conform to the requirements of NFPA 20 and specifically approved for fire pump application and service. Diesel engines operate at rated speed not exceeding the above RPM and develop sufficient horsepower to drive the pump with reserve power.

Internal Cooling System loop is included in our engine sets. The cooling water supply for the heat exchanger is from the discharge of the pump, taken off prior to the pump discharge valve. The pipe connection includes four manual shut-off valves (including by-pass line), two strainers, two pressure regulators, an approved and listed automatic solenoid valve, and a pressure gauge, piping and fittings are all fitted to the diesel engine as per NFPA 20 by Ebitt.

One set of double heavy duty lead acid batteries are being supplied by Ebitt mounted on the common baseplate of our engine-pump set complete with battery cables.

The fuel tank is produced and supplied by Ebitt according to NFPA 20 recommendations complete with fill pipe, cap and level gauge to be delivered separately from pump-set with legs for floor mounting.

Minimum Fittings

All Ebitt fire pumps are being supplied with suction and discharge gauges, air release valve mounted on pumps. Our electric driven pump sets are also having casing relief valves mounted on our pumps.

Testing

Ebitt fire pumps are being hydrostatically tested to a pressure recommended by UL. The fire pump is subjected to a performance test at a rated speed. Our pumps furnish not less than 150% of rated capacity at a pressure not less than 65% of rated head. The shut-off head is not exceeding 140% of rated head. Ebitt certified test curve is being supplied with the pump.

Electric Fire Pump Controller

Ebitt fire pump set includes fire pump controller on its own base plate complete with wiring cables to the electric motor. All settings are being made in Ebitt factory as ready for use.

Electric Fire Pump controller meets the requirements of the latest edition of NFPA 20 and is UL Listed, FM Approved.

Ebitt electric fire pump controller has Wye-Delta Starting method as standard and optional for other type of starting methods. Our controller has withstand ratings of 100.000 RMS symmetrical amperes, 380V, 415V, etc. The controller includes a motor rated combination isolating switch and circuit breaker, mechanically interlocked and operated with a single externally mounted handle. The isolating switch is rated to disconnect the motor load. The isolating switch/circuit breaker combination is mechanically interlocked such that the enclosure door cannot be opened when the handle is in the ON position except by a tool operated defeater mechanism.

The controller is complete with a 4 line by 40 character LCD display mounted on a panel opening in the front door. The LCD display includes system pressure, voltage and amperage readings, frequency, date, time, set point, start/stop points, weekly test time and controller statistics screen which includes run time, start/stop numbers, system voltage, frequency and pressure recordings, etc.

The controller displays last messages screen that will display up to 10.000 alarms/messages stored in the memory.

The controller has green status LED's for power on, pump running, local start, remote start, emergency start, deluge valve, interlock status, low pressure etc. And the controller has also red alarm LED's for phase reversal, phase failure, fail to start, undervoltage, overvoltage, low room temperature, lock rotor trip, low suction pressure, etc.

The microprocessor logic board is available with USB port for transference of message history, controller status, diagnostics, and statistics. A solid-state 4-20 mA pressure sensor is included.

All relays are equipped with the plug-in type and all relay contacts provided for phase reversal, phase failure, common alarm, pump run, and the common alarm and phase relays are energized under normal conditions.

An audible alarm buzzer, capable of being heard while the motor is operating, shall operate if fail to start, hardware malfunction or any common alarm condition exists.



**DOL
Starting
Fire Pump
Controller**



**Wye-Delta
Starting
Fire Pump
Controller**



**Fire Pump
Controller
with ATS
Integrated**

Diesel Fire Pump Controller

EBITT fire pumps set includes diesel fire pump controller on its own base plate complete with wiring cables to batteries and diesel engine instrument panel. All settings are being made in EBITT factory as Ready for use. Engine controller meets the requirements of the latest edition of NFPA 20 and is UL listed, FM Approved.

The diesel engine controller incorporates the following components:

Two independently functional battery charges, each having its own power transformer rated for a maximum continuous charge current of 10 amperes. The charger has solid state electronic design with a semi-conductor type rectifier and includes the following supervisory and safety features.

- Current limiting in every charging mode
- Over-current shut-off
- Automatic selection of bulk or float charge by battery voltage sensing
- Lower than 0,5 ampere trickle charge
- Reverse voltage shut-off
- Dead cell detection
- Over and under voltage alarm
- Charger initiated battery failure alarm with signaling to prevent the use of the defective battery during the engine starting cycle.

All relays are equipped with manual test buttons and ON-OFF status indicators and terminal block to indicate the following engine conditions;

- Two SPDT contacts for engine running condition.
- One NO/NC contact when the main switch is in the AUTO position.
- One NO/NC contact when the main switch is in the MANUAL or OFF position.
- One SPDT contact indicating engine trouble. The engine trouble condition is indicated on engine over speed, engine failure to start, low oil pressure, and high coolant temperature conditions.

A solid-state 4-20 mA pressure sensor is included.

A seven-day pressure recorder is provided.

A central annunciator and operator control panel is provided inside the controller but visible and accessible through a breakable glass panel on the enclosure door. This control panel incorporates all alarm and status pilot light indicators, voltmeters and ammeters for battery charges and the four positions main switch manual start push buttons, and combination Lamp test / Charger reset push button and the operational NORMAL/SILENCE selector switch for pump room alarms.

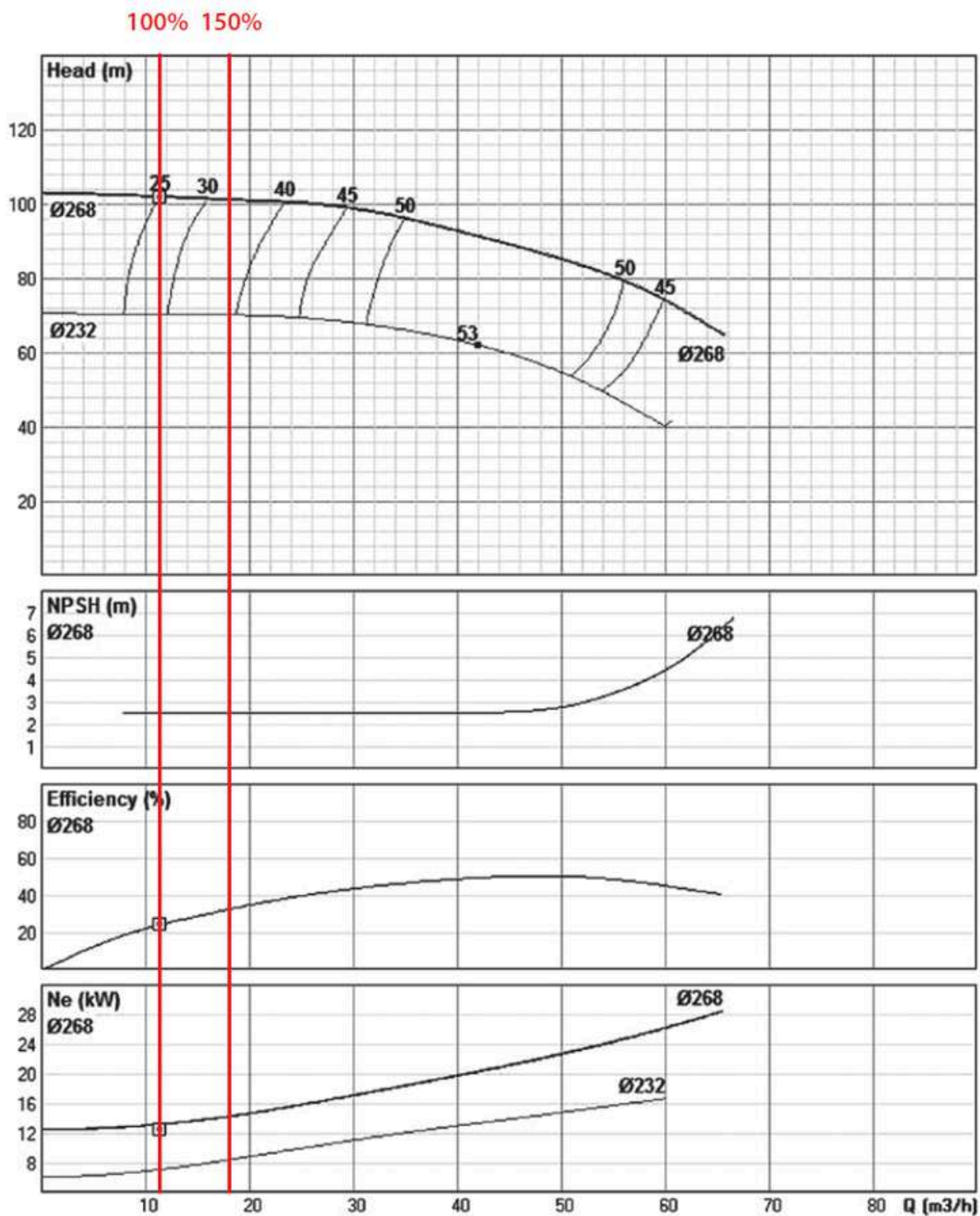


**Diesel Fire
Pump
Controller**

End-Suction Performance Curves



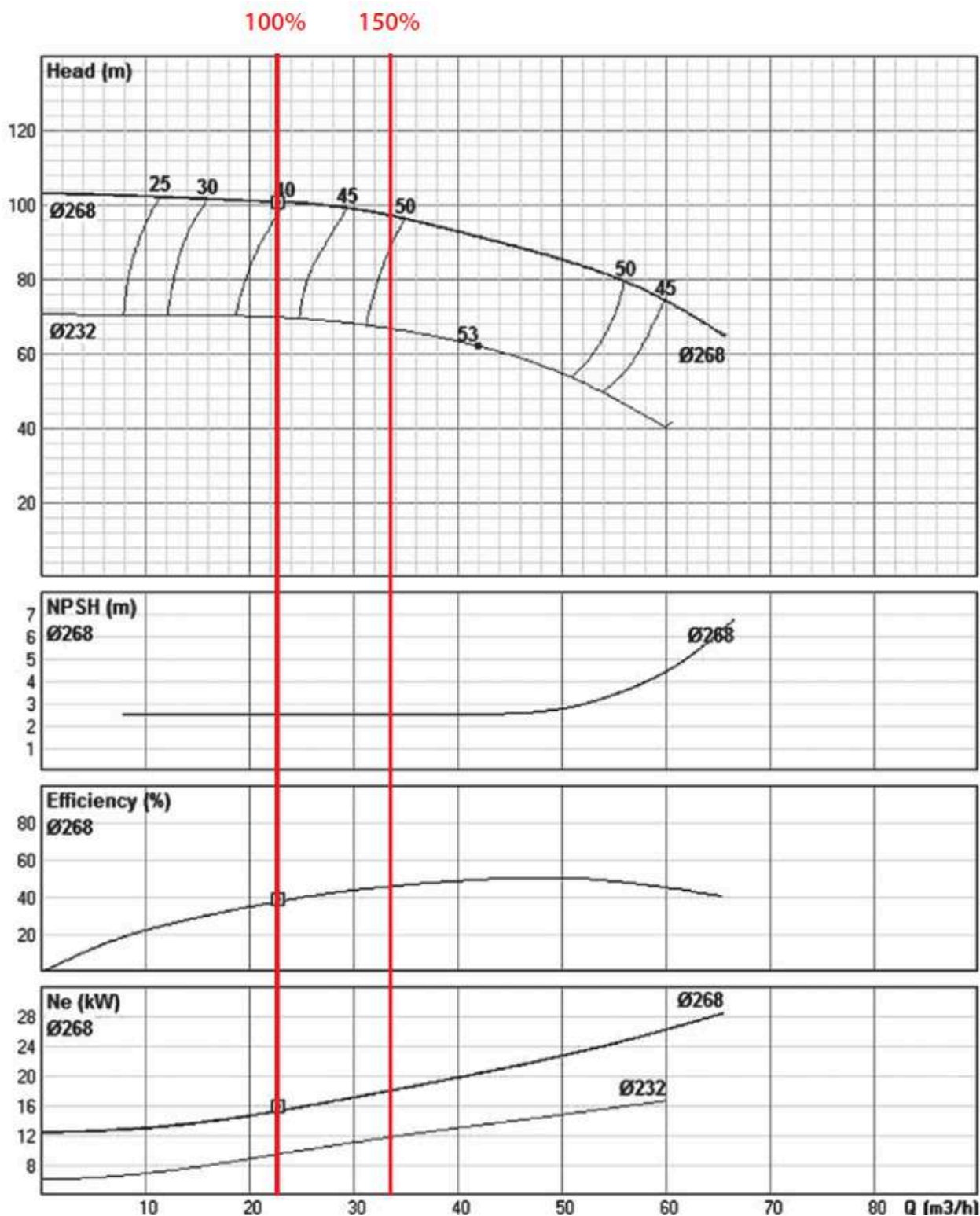
N 32 / 250 - 50 GPM



End-Suction Performance Curves



N 32 / 250 - 100 GPM



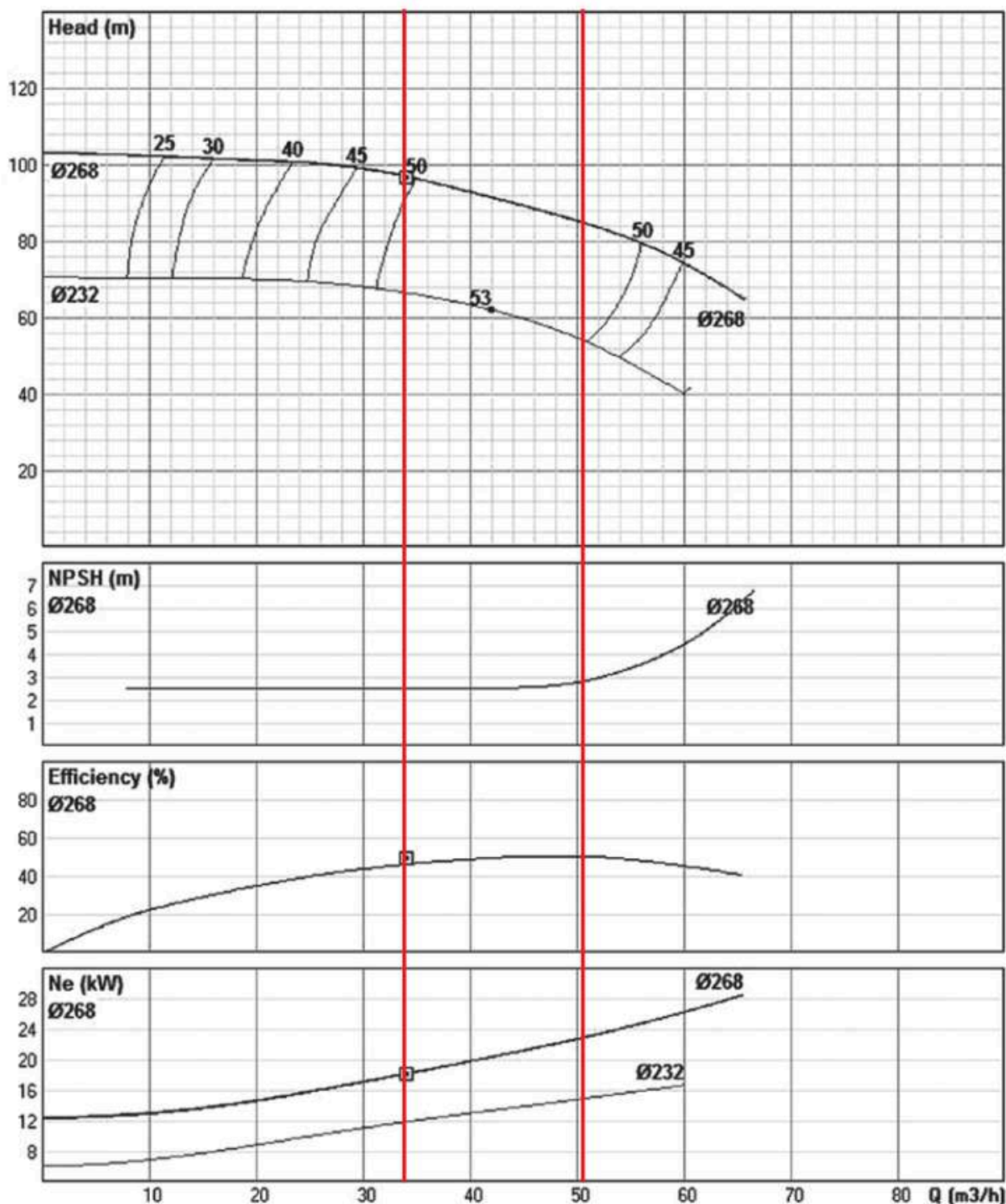
End-Suction Performance Curves



N 32 / 250 - 150 GPM

100%

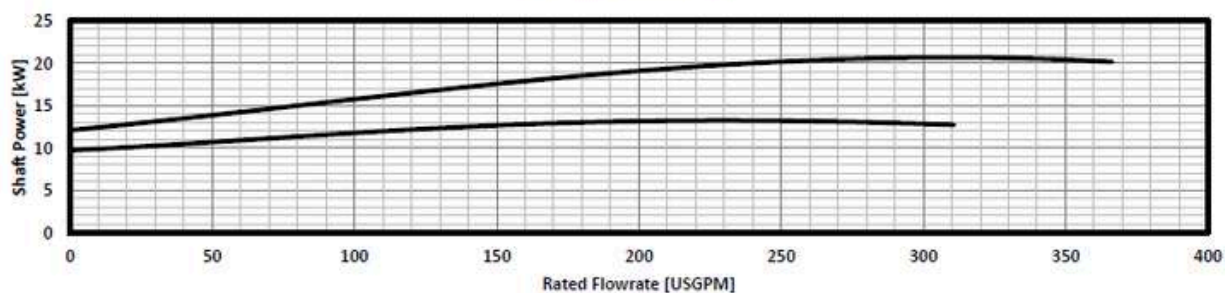
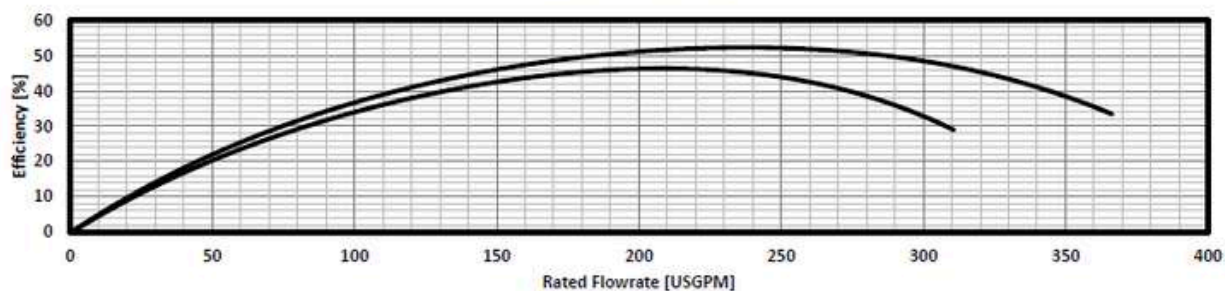
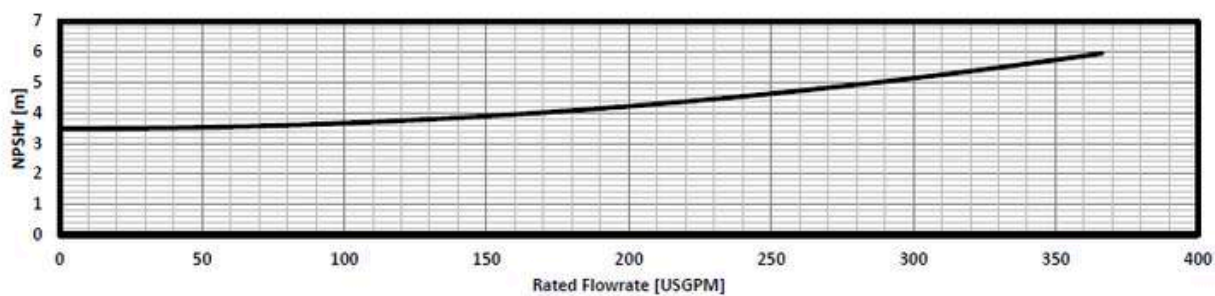
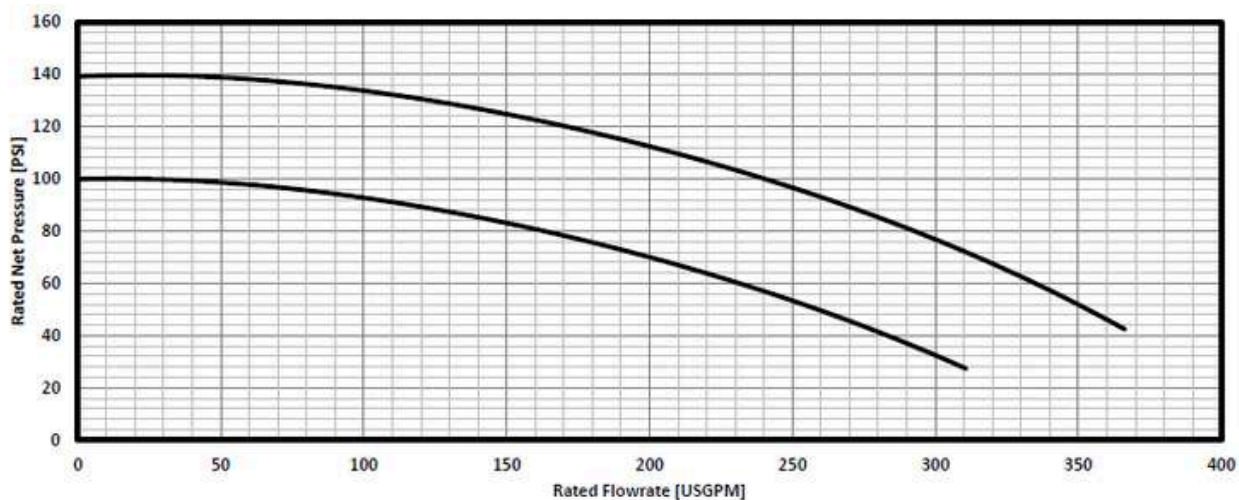
150%



End-Suction Performance Curves



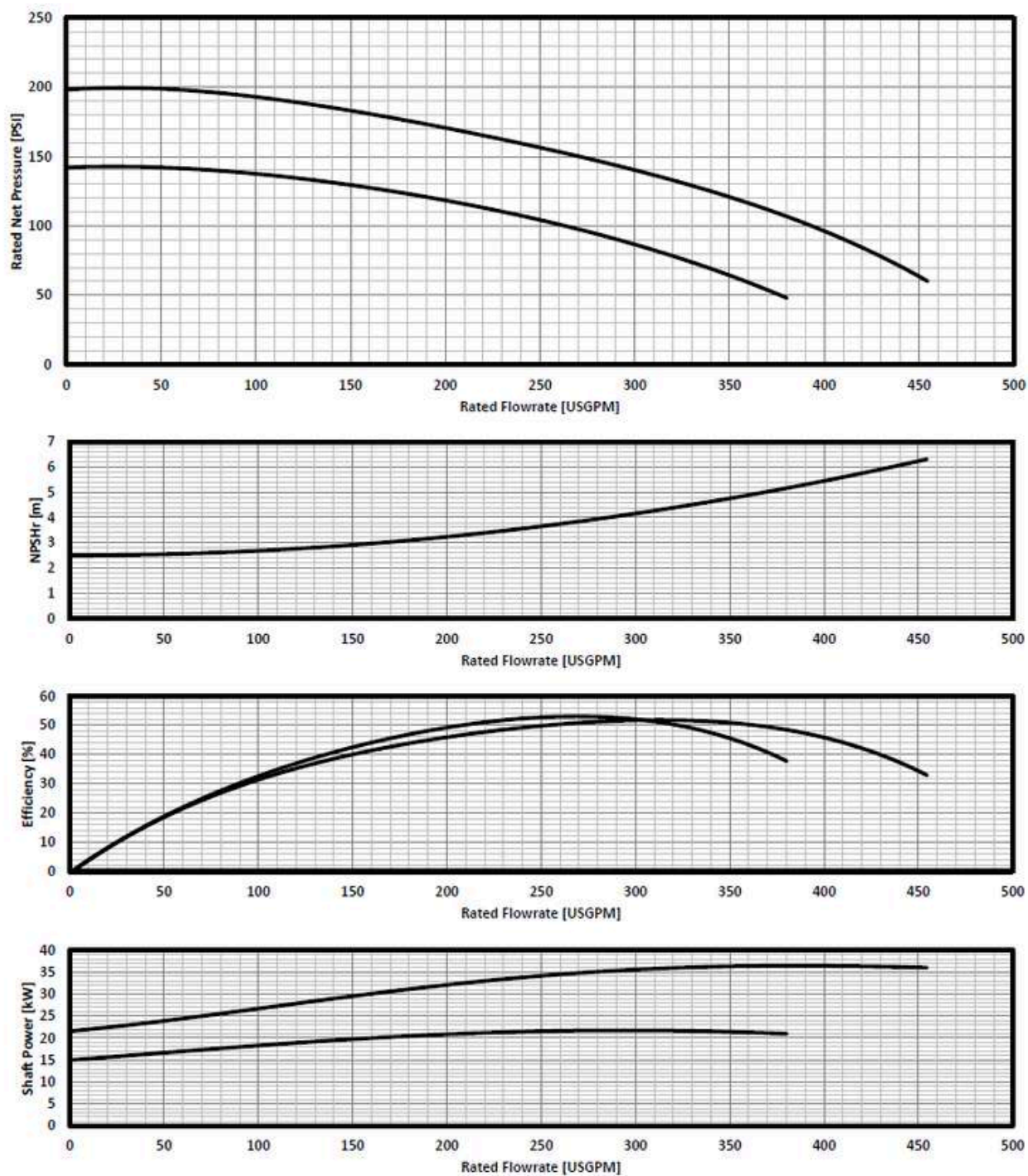
N 40-270 (50 GPM/100 GPM/150 GPM)



End-Suction Performance Curves



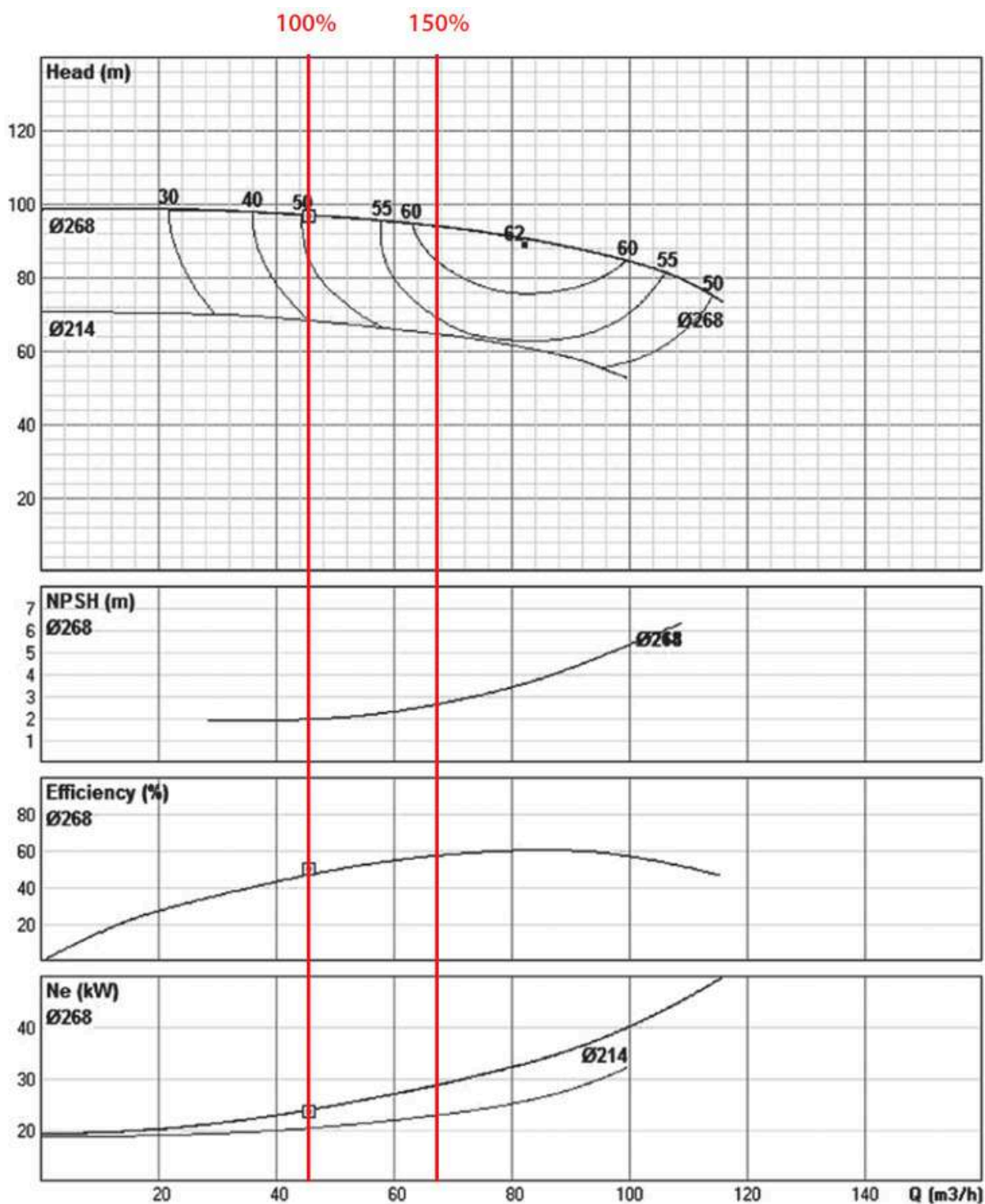
N 40-270-60



End-Suction Performance Curves



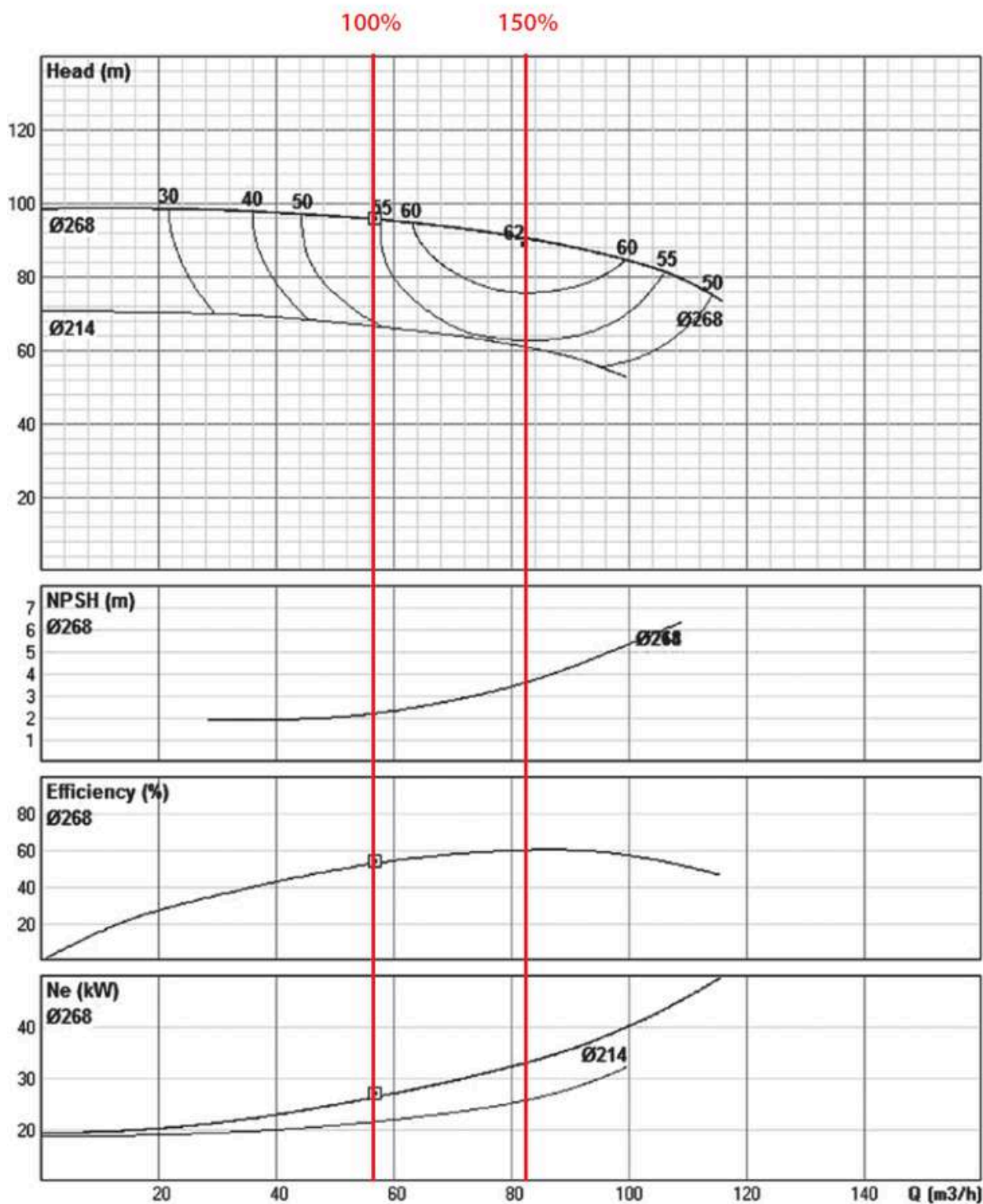
N 50 / 260 - 200 GPM



End-Suction Performance Curves



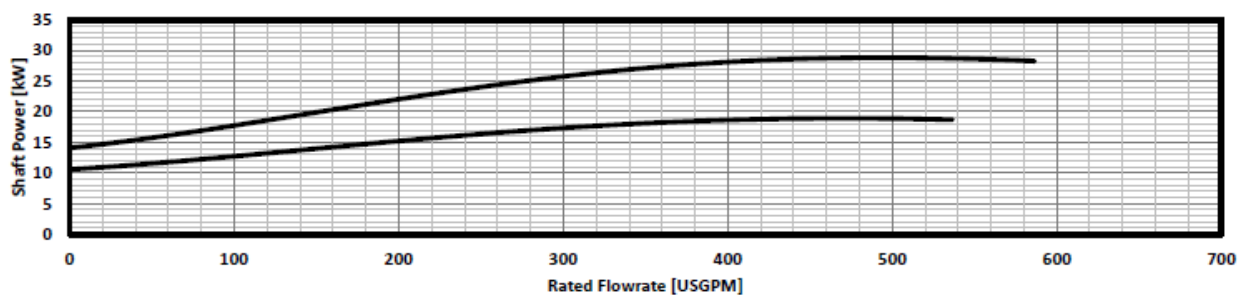
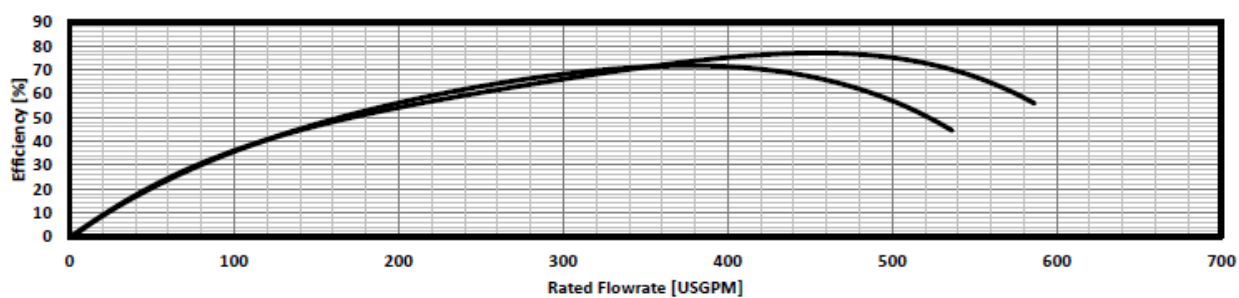
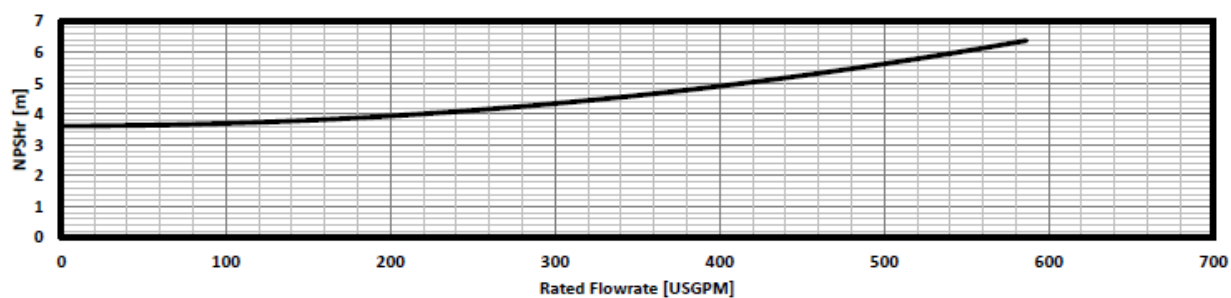
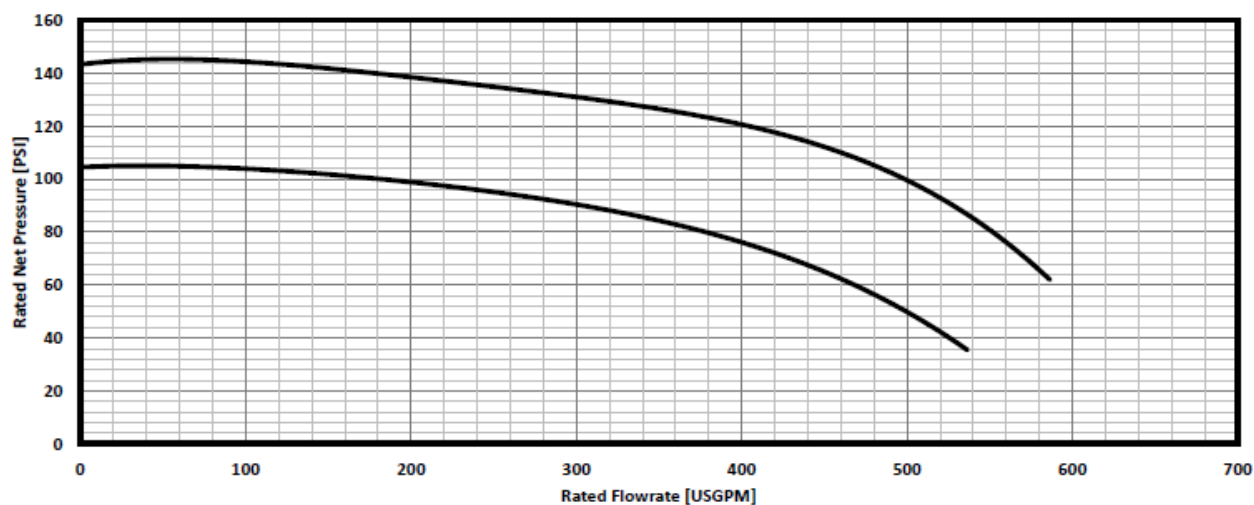
N 50 / 260 - 250 GPM



End-Suction Performance Curves



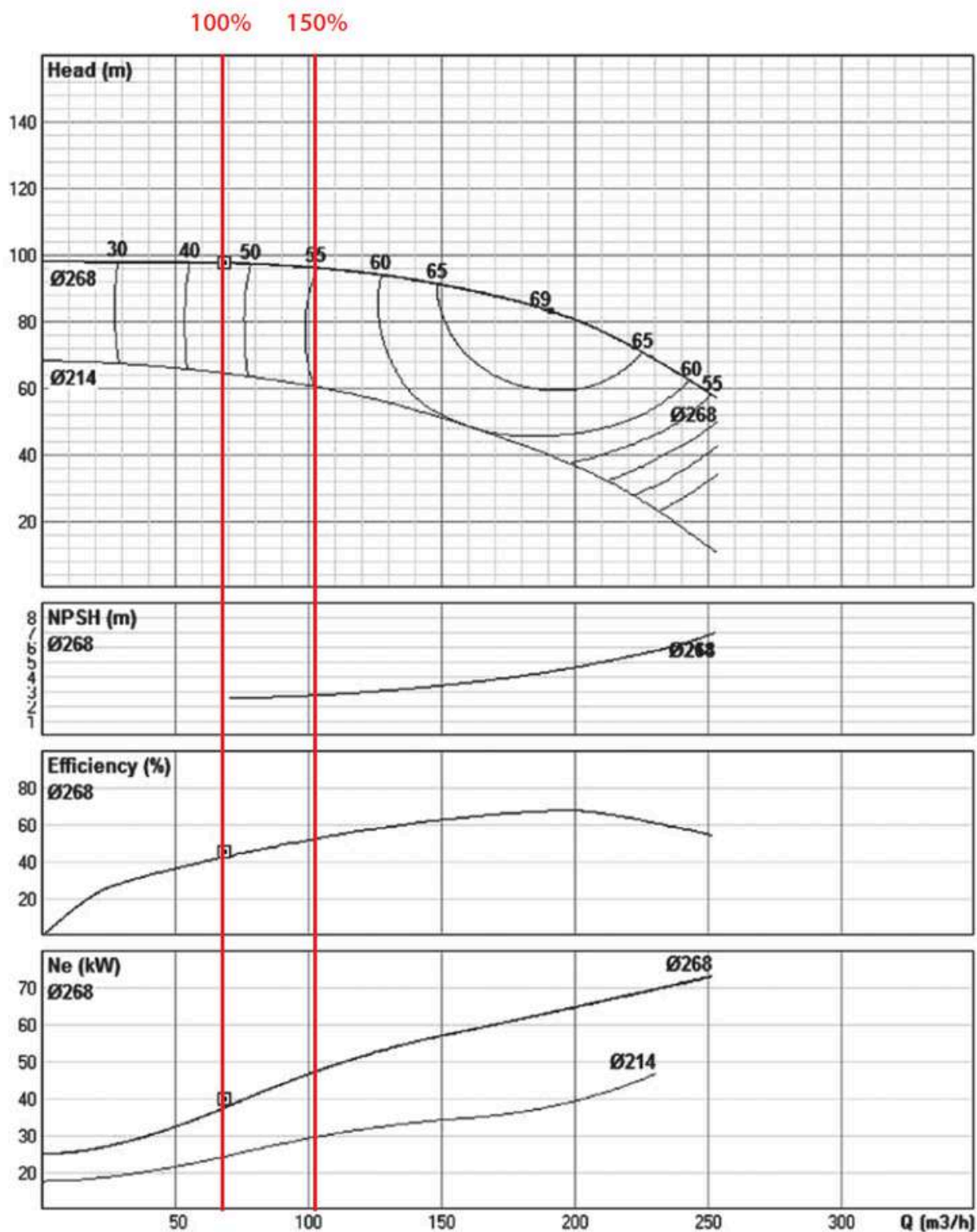
N 50-270 (150 GPM/200 GPM/250 GPM)



End-Suction Performance Curves



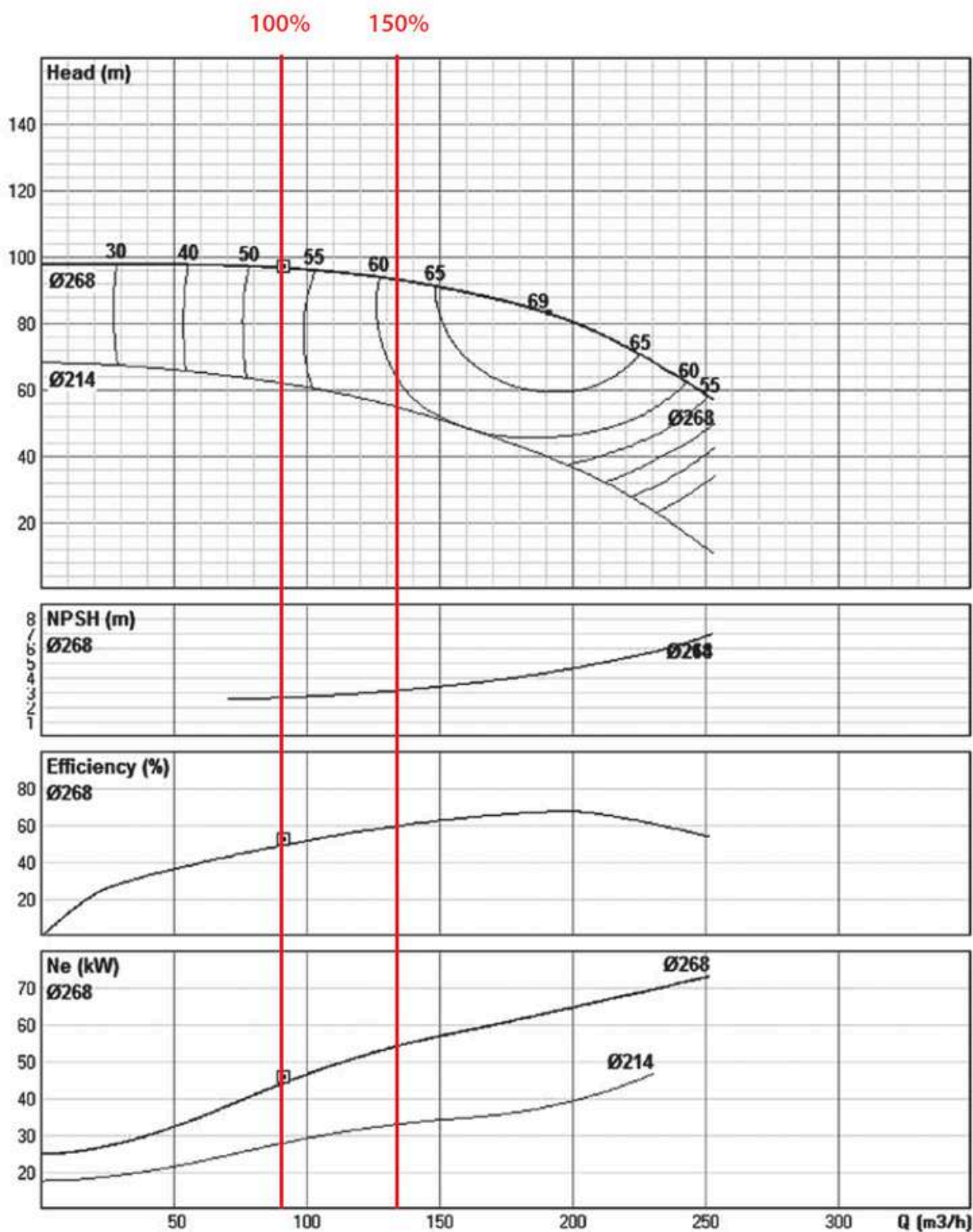
N 65 / 260 - 300 GPM



End-Suction Performance Curves



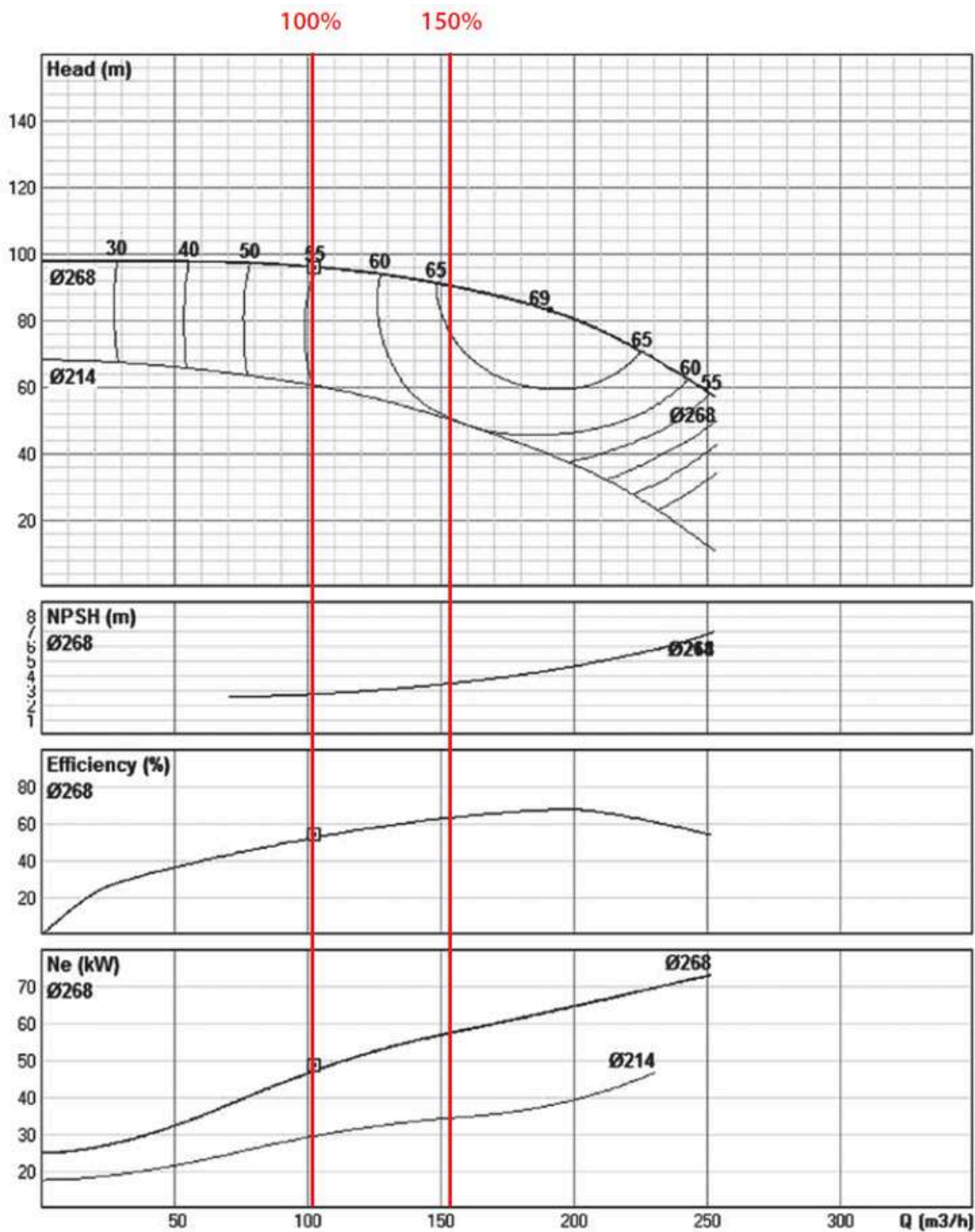
N 65 / 260 - 400 GPM



End-Suction Performance Curves



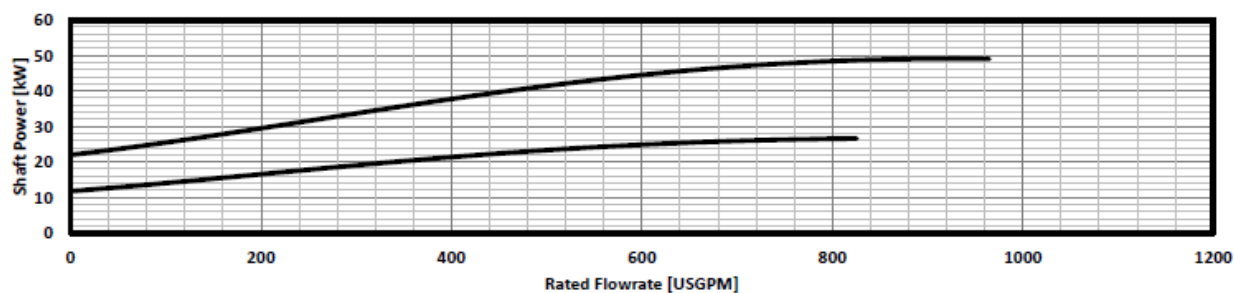
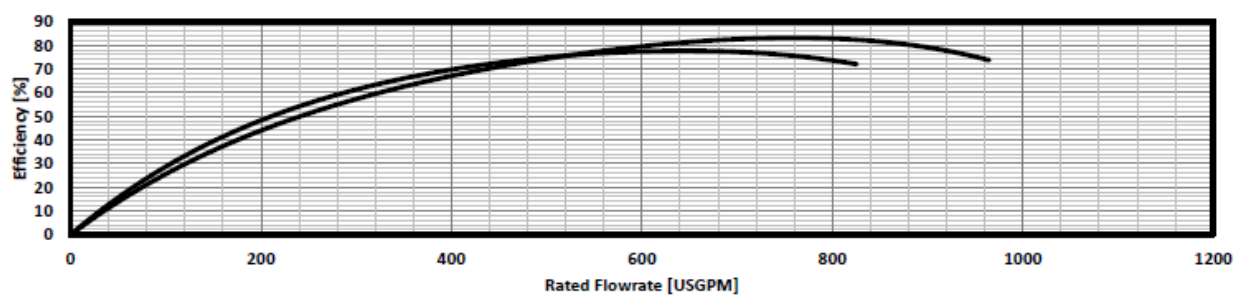
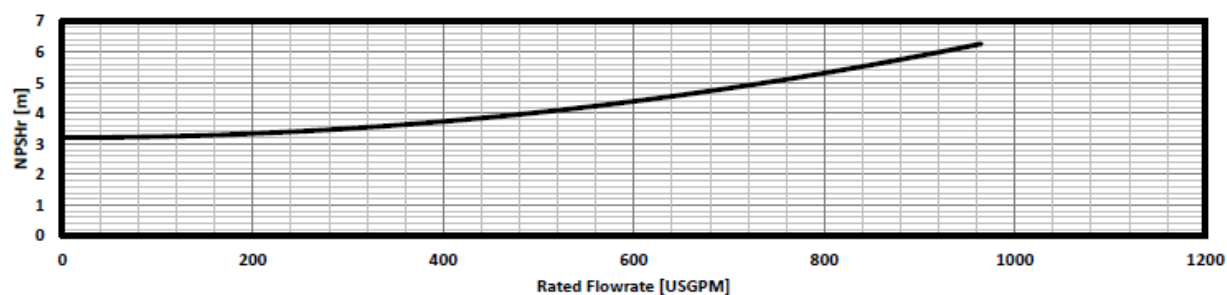
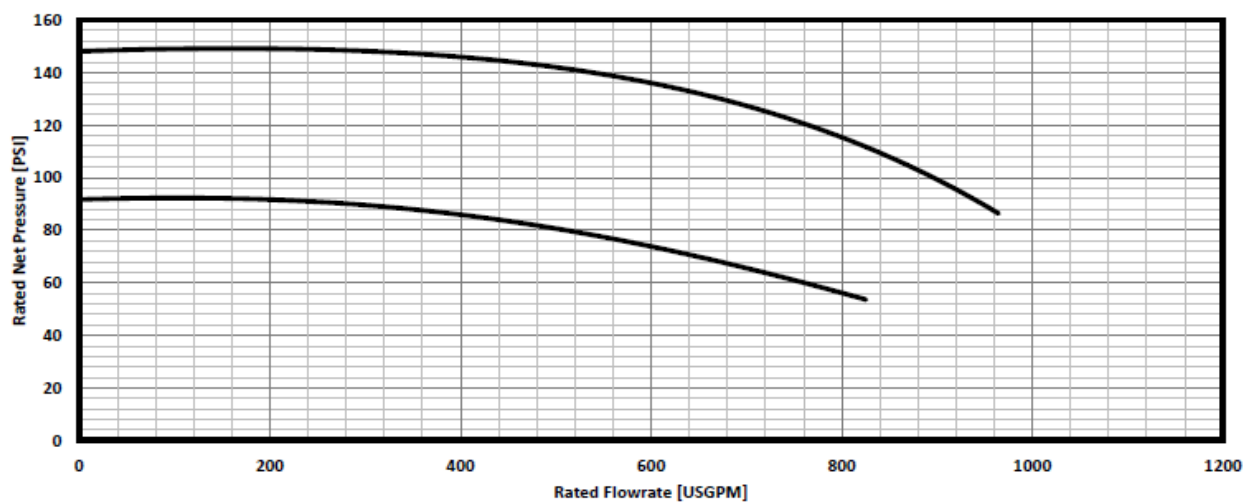
N 65 / 260 - 450 GPM



End-Suction Performance Curves



N 65-270 (250 GPM/300 GPM/400 GPM)



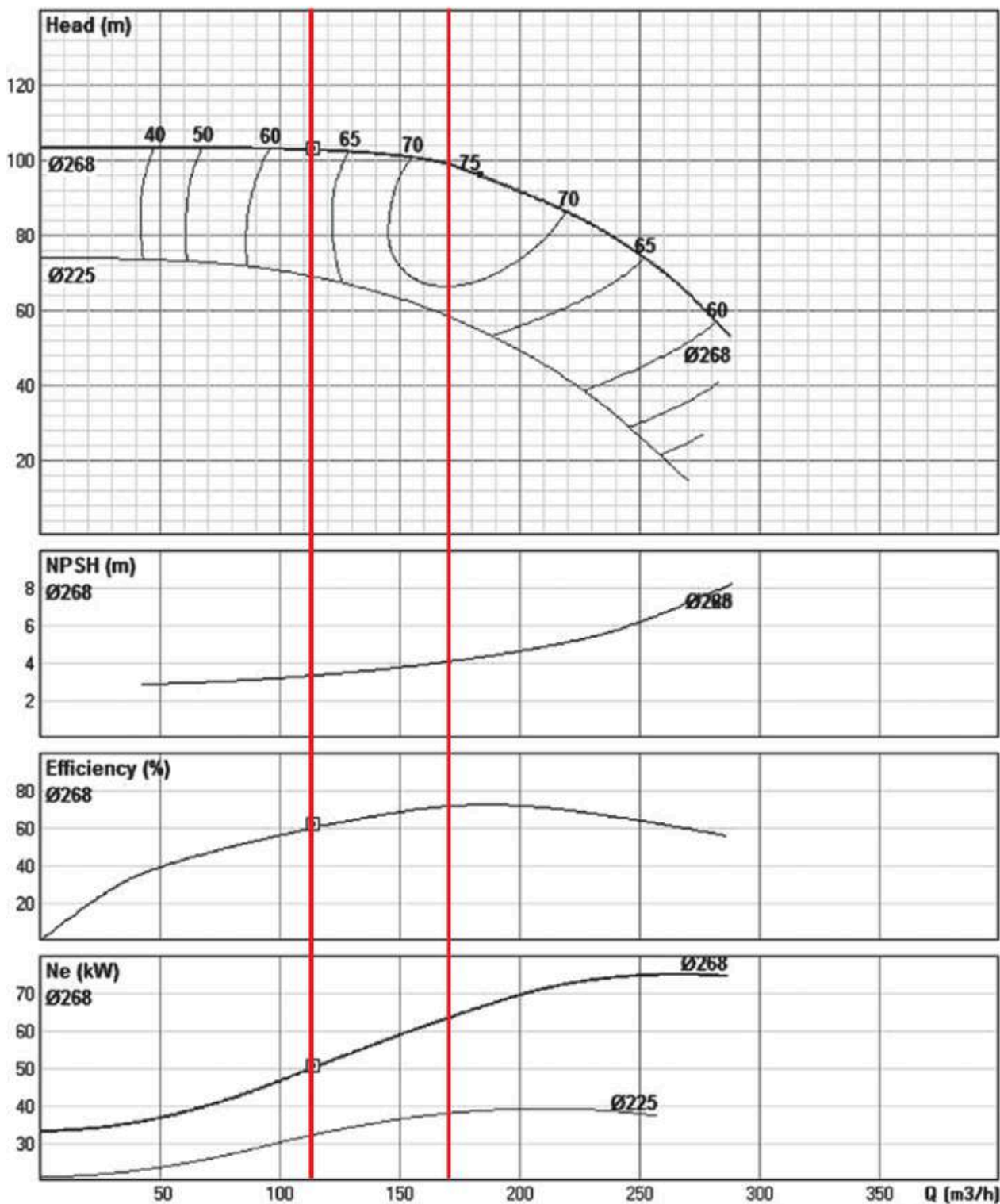
End-Suction Performance Curves



N 80 / 250 - 500 GPM

100%

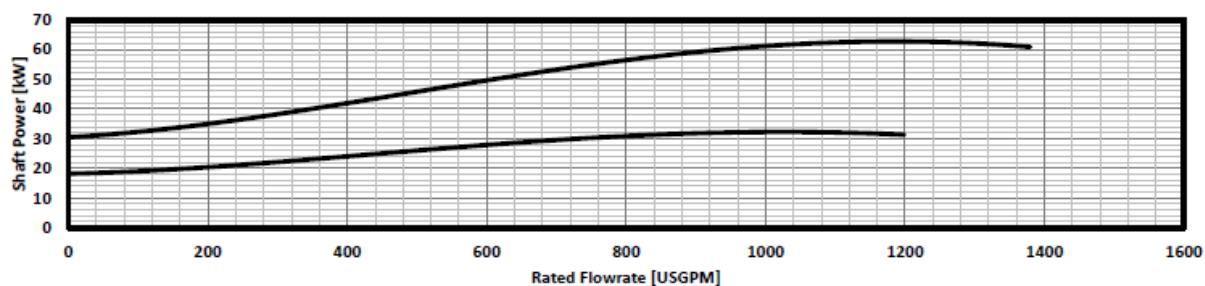
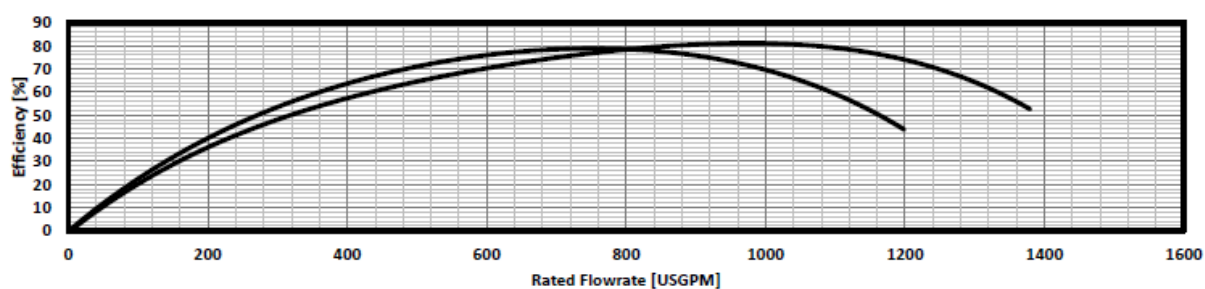
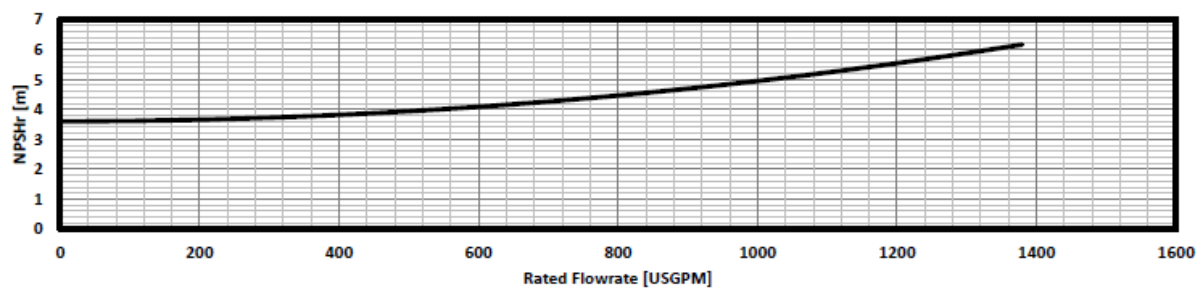
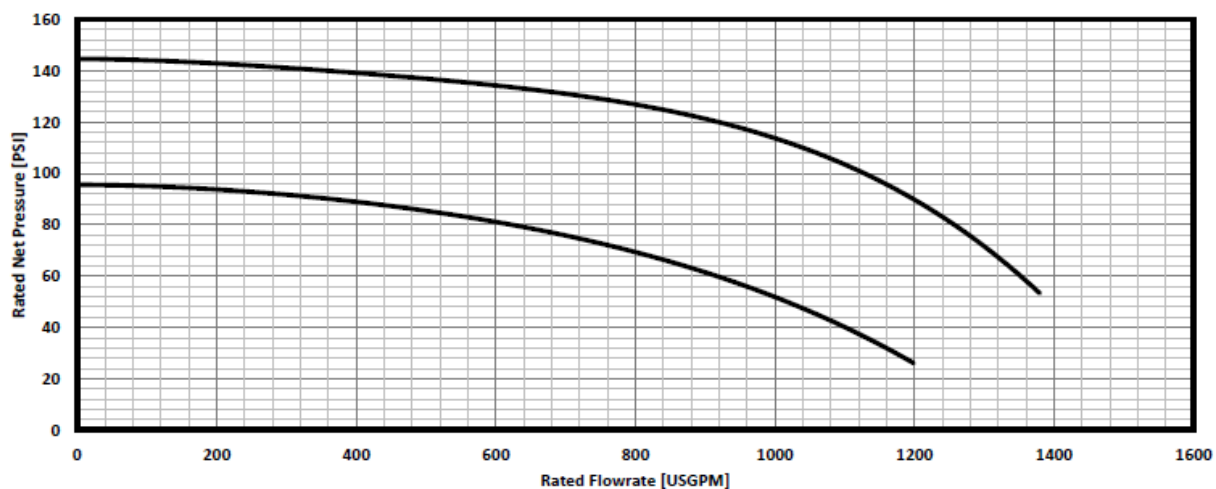
150%



End-Suction Performance Curves



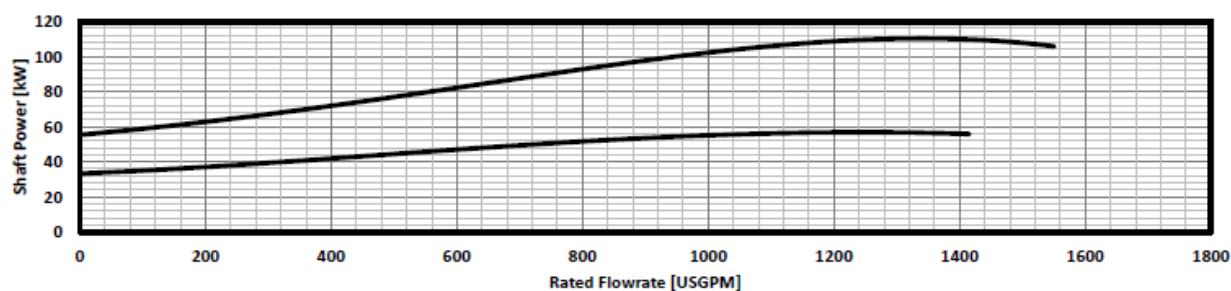
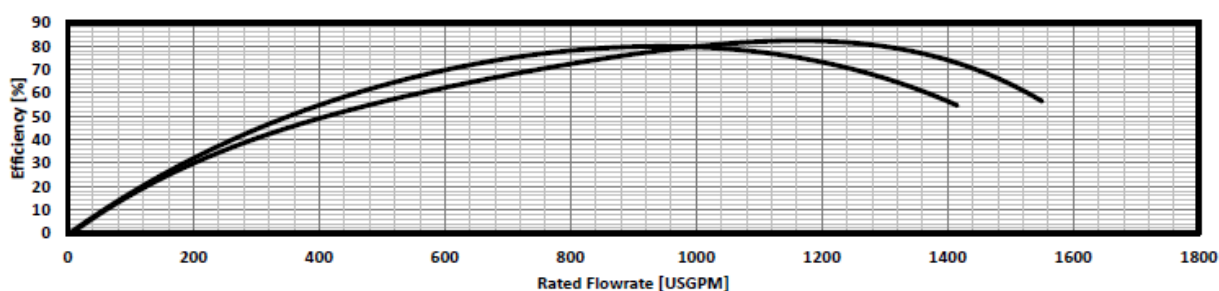
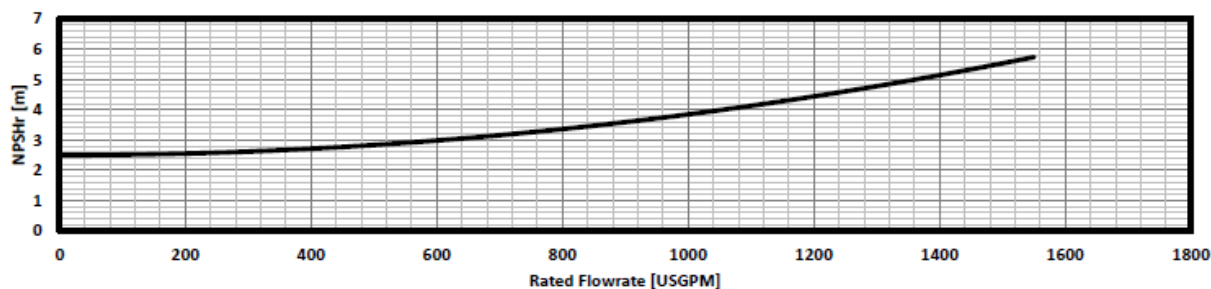
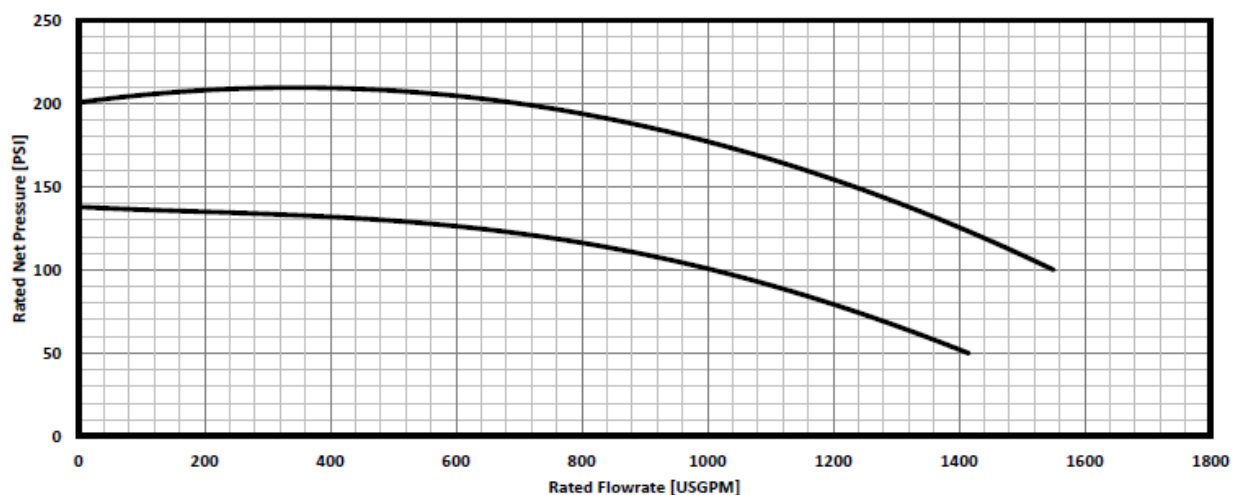
N 80 / 270 (400GPM/450 GPM/500 GPM)



End-Suction Performance Curves



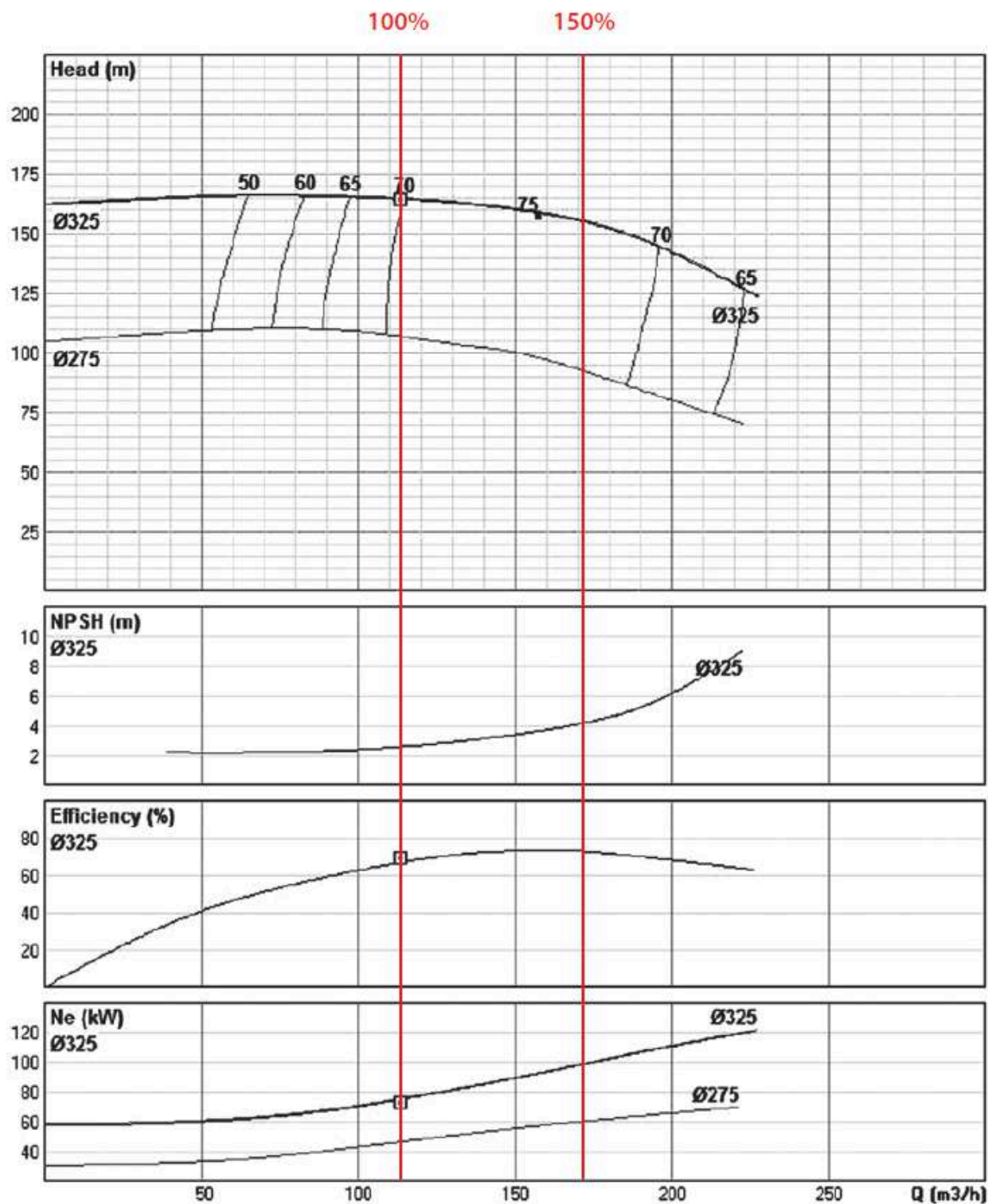
N 80/270-60



End-Suction Performance Curves



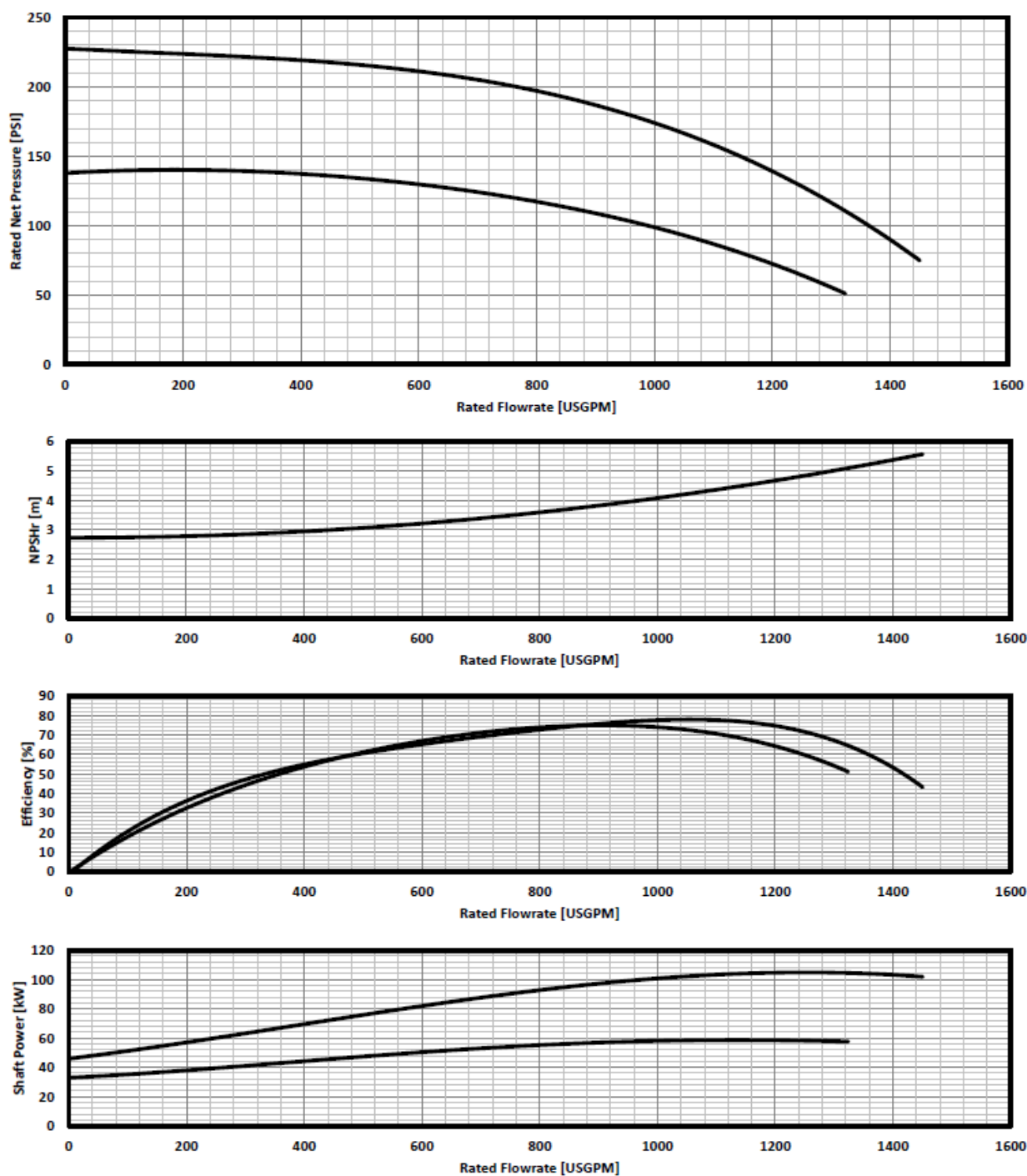
N 80 / 315 - 500 GPM



End-Suction Performance Curves



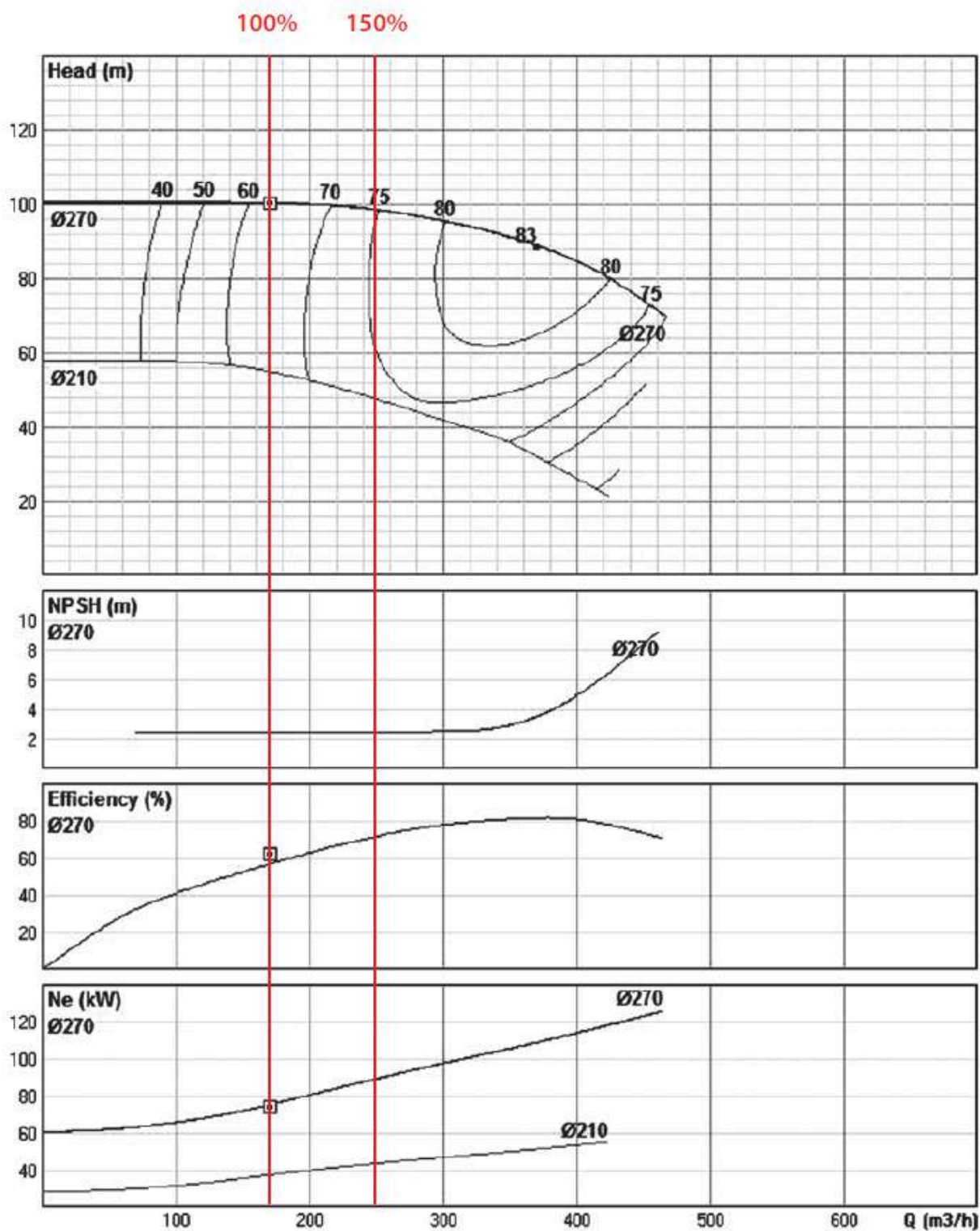
N 80 / 340 (400 GPM/450 GPM/500 GPM)



End-Suction Performance Curves



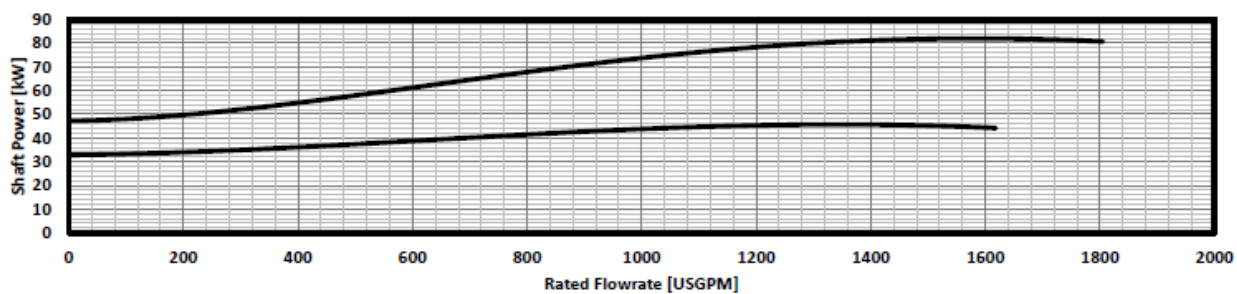
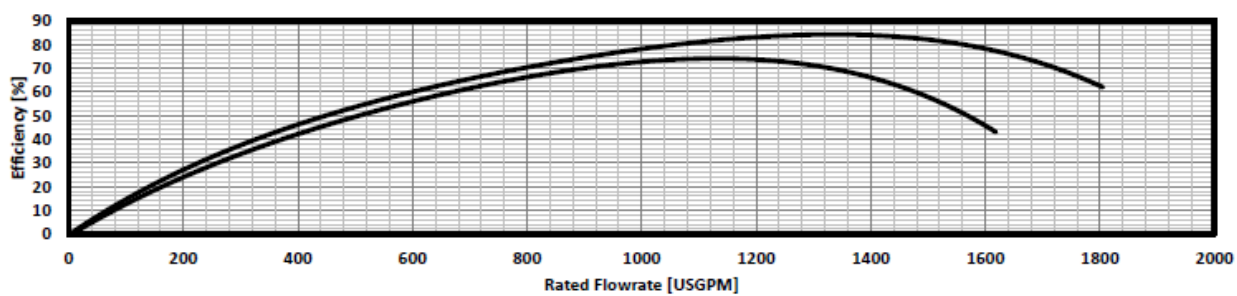
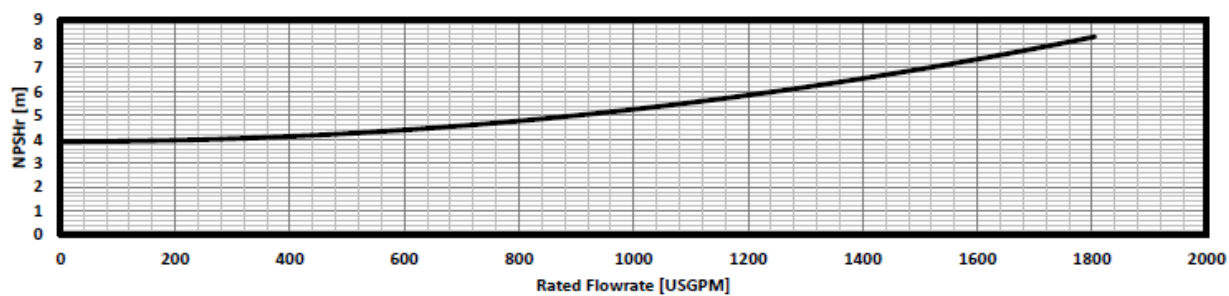
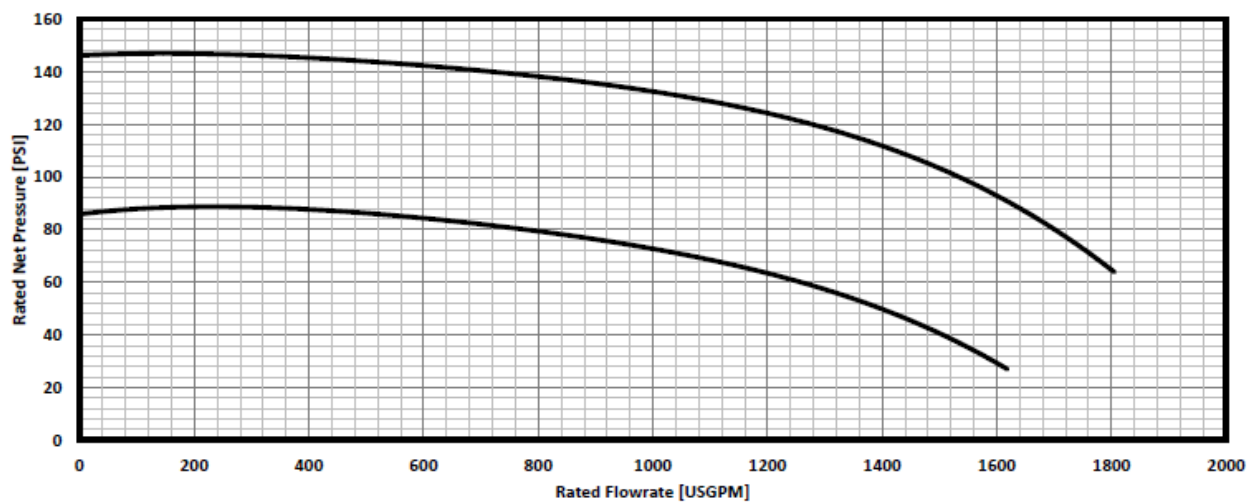
N 100 / 250 - 750 GPM



End-Suction Performance Curves



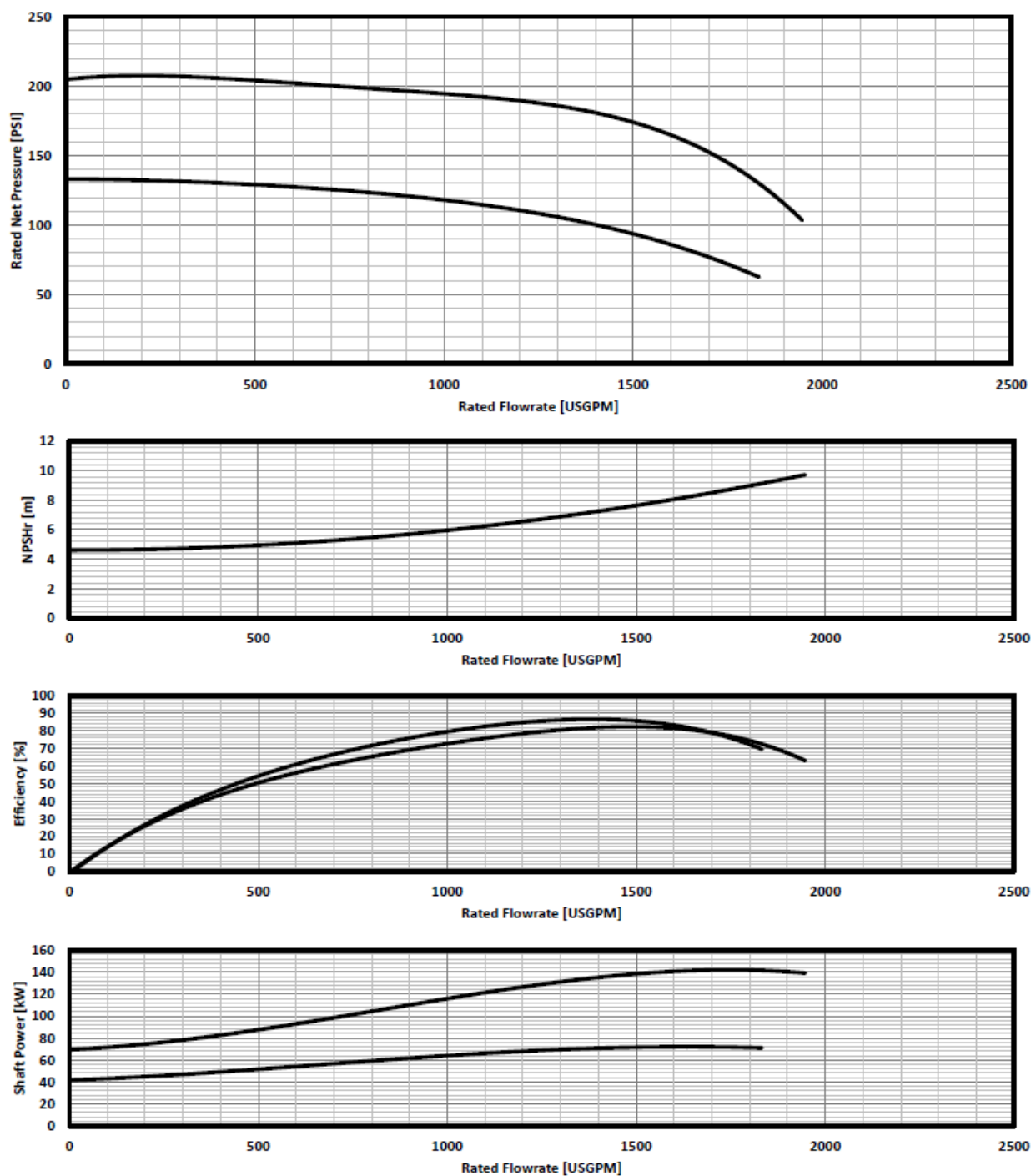
N 100 / 270 (450 GPM/500 GPM/750 GPM)



End-Suction Performance Curves



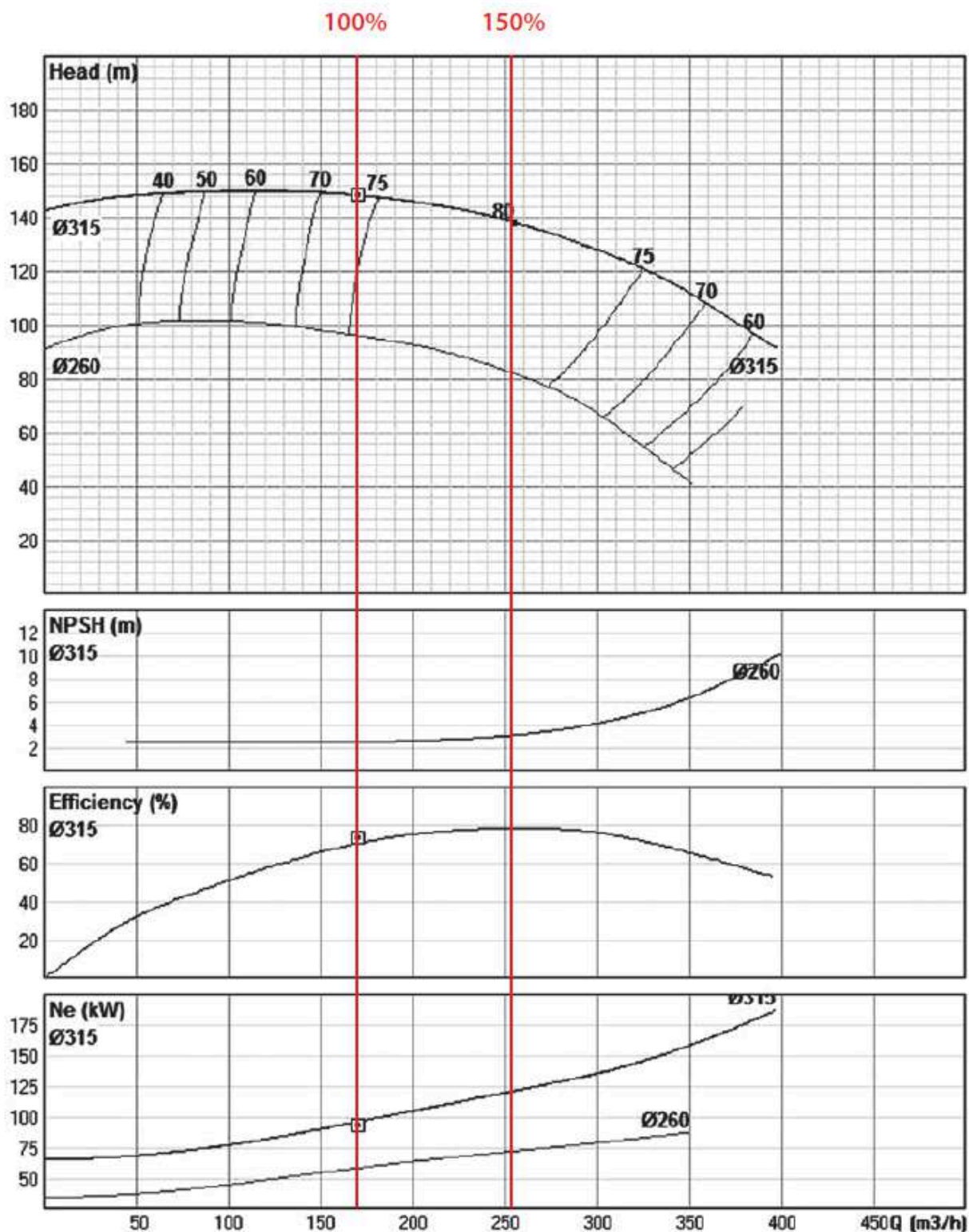
N 100 / 270-60



End-Suction Performance Curves



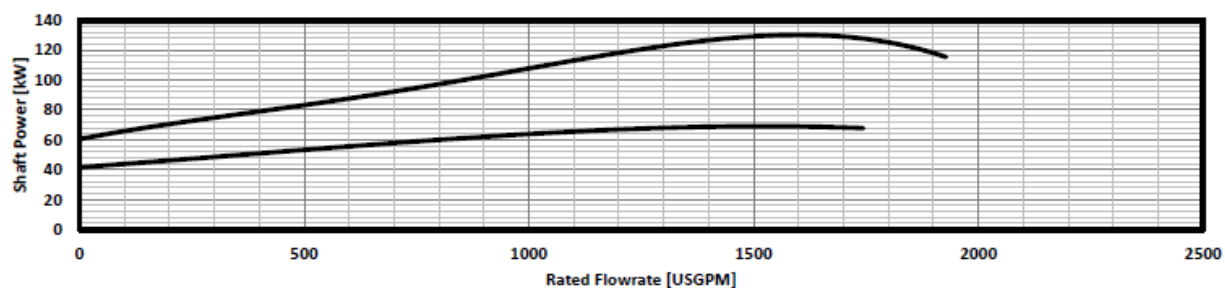
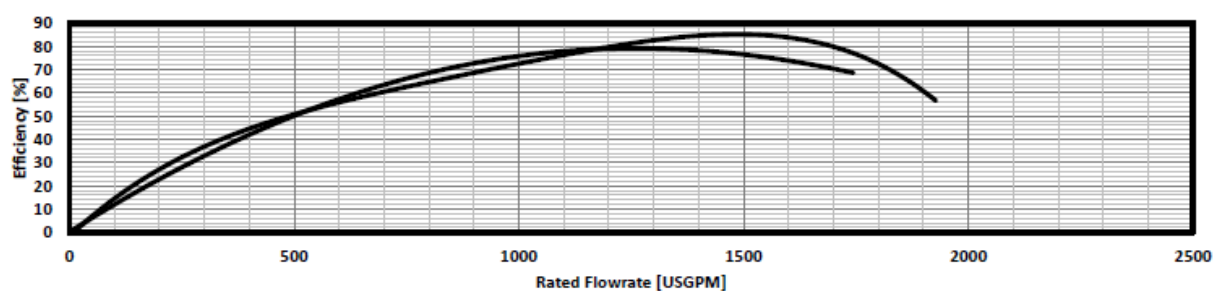
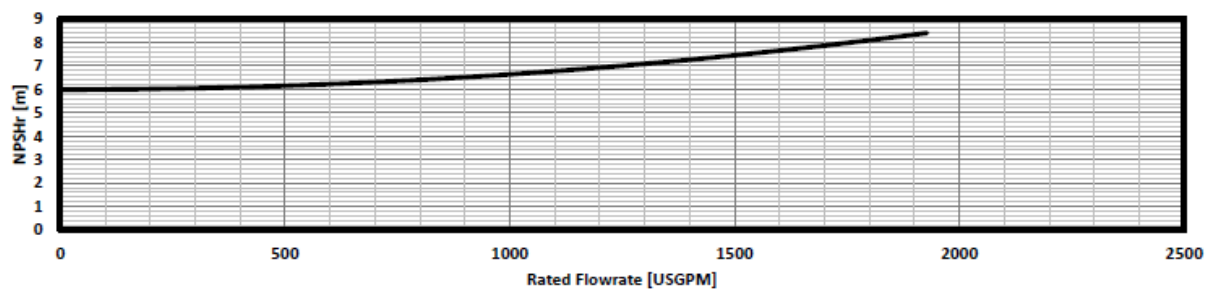
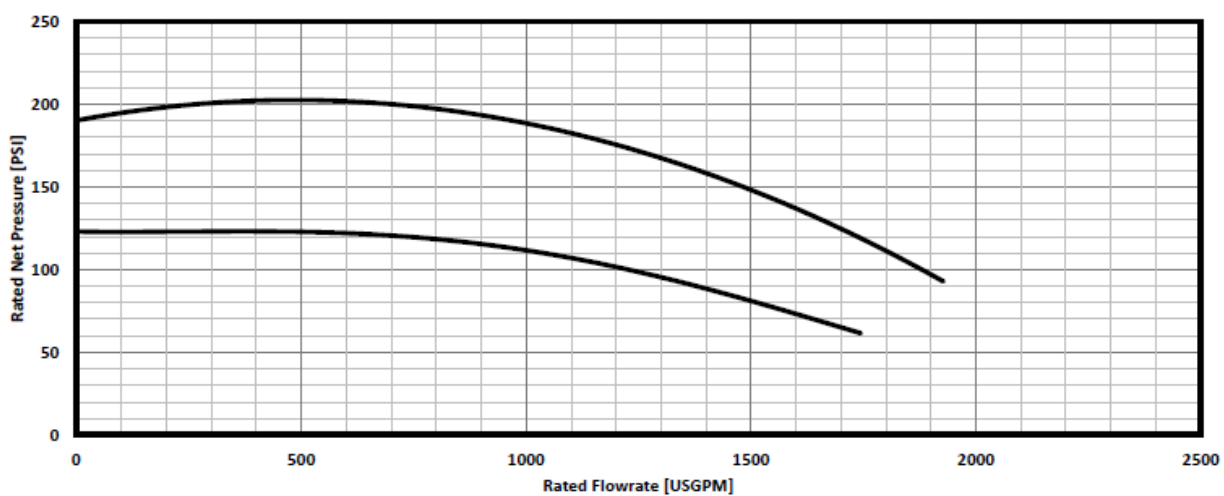
N 100 / 315 - 750 GPM



End-Suction Performance Curves



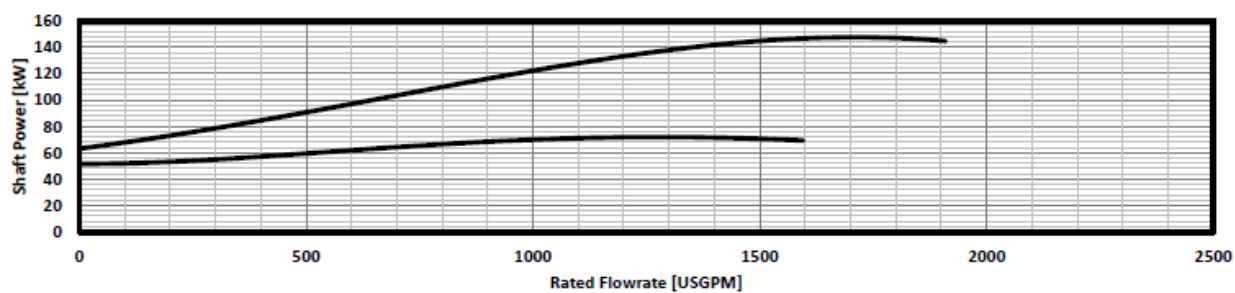
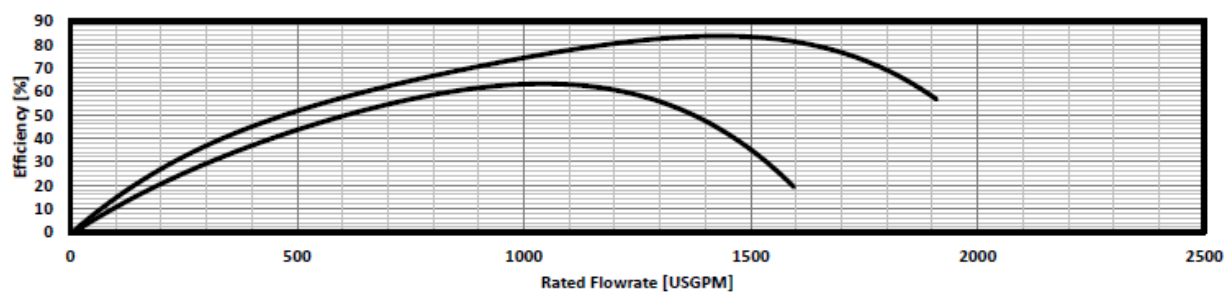
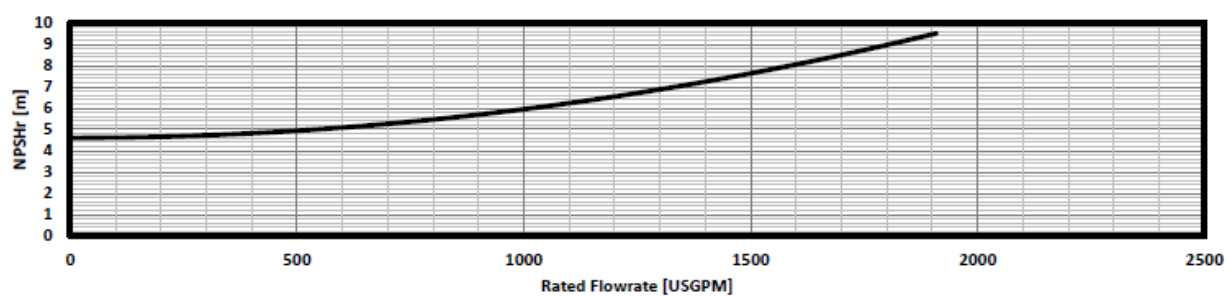
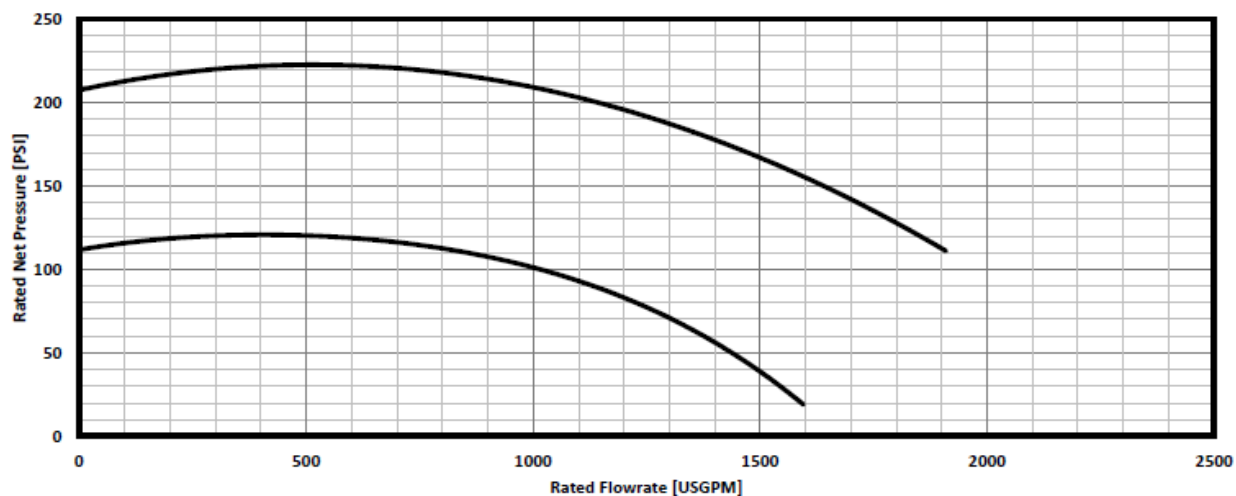
N 100 / 325 (500 GPM/750 GPM/1000 GPM)



End-Suction Performance Curves



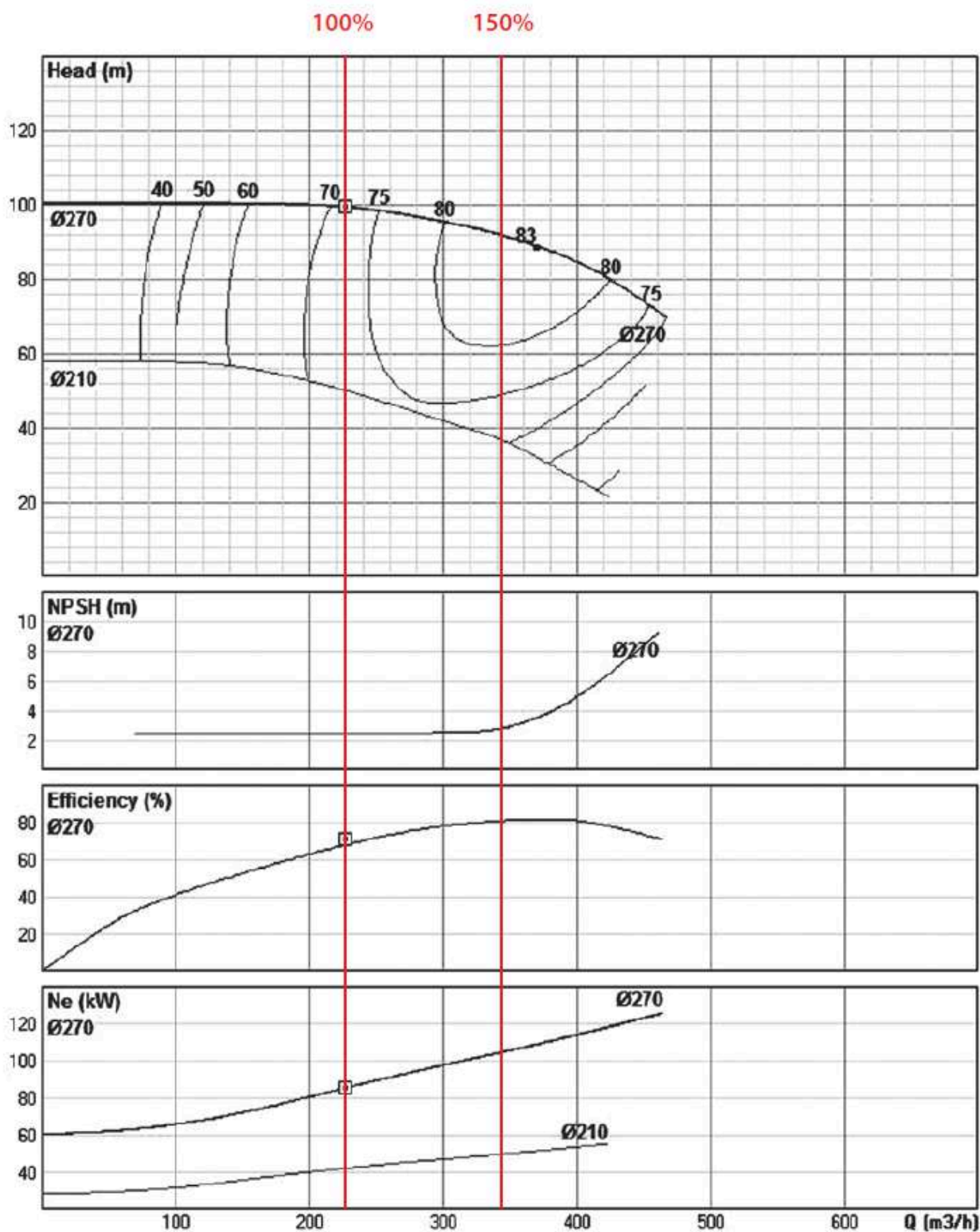
N 100 / 340 (450 GPM/500 GPM/750 GPM)



End-Suction Performance Curves



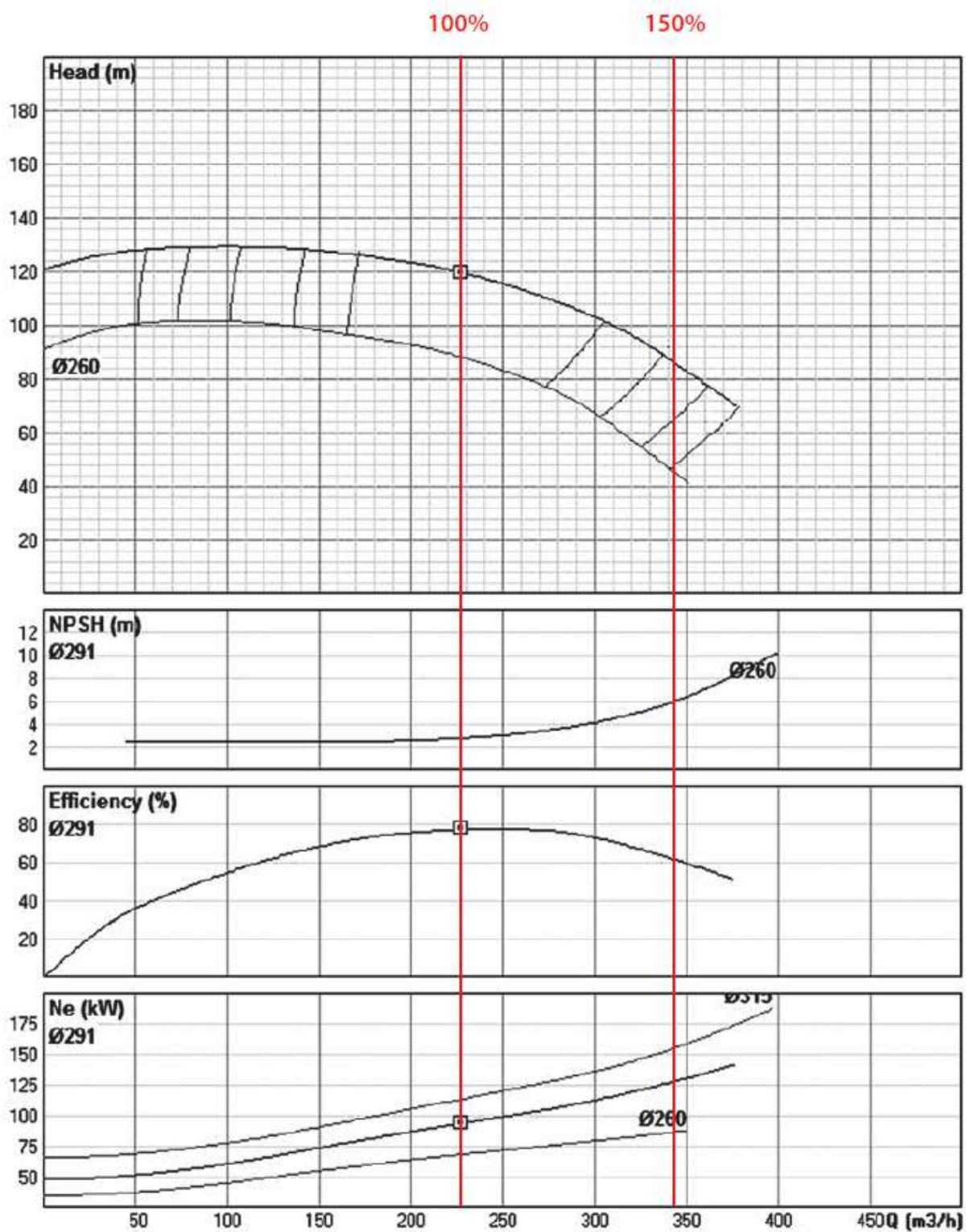
N 100 / 250 - 1000 GPM



End-Suction Performance Curves



N 100 / 315 - 1000 GPM



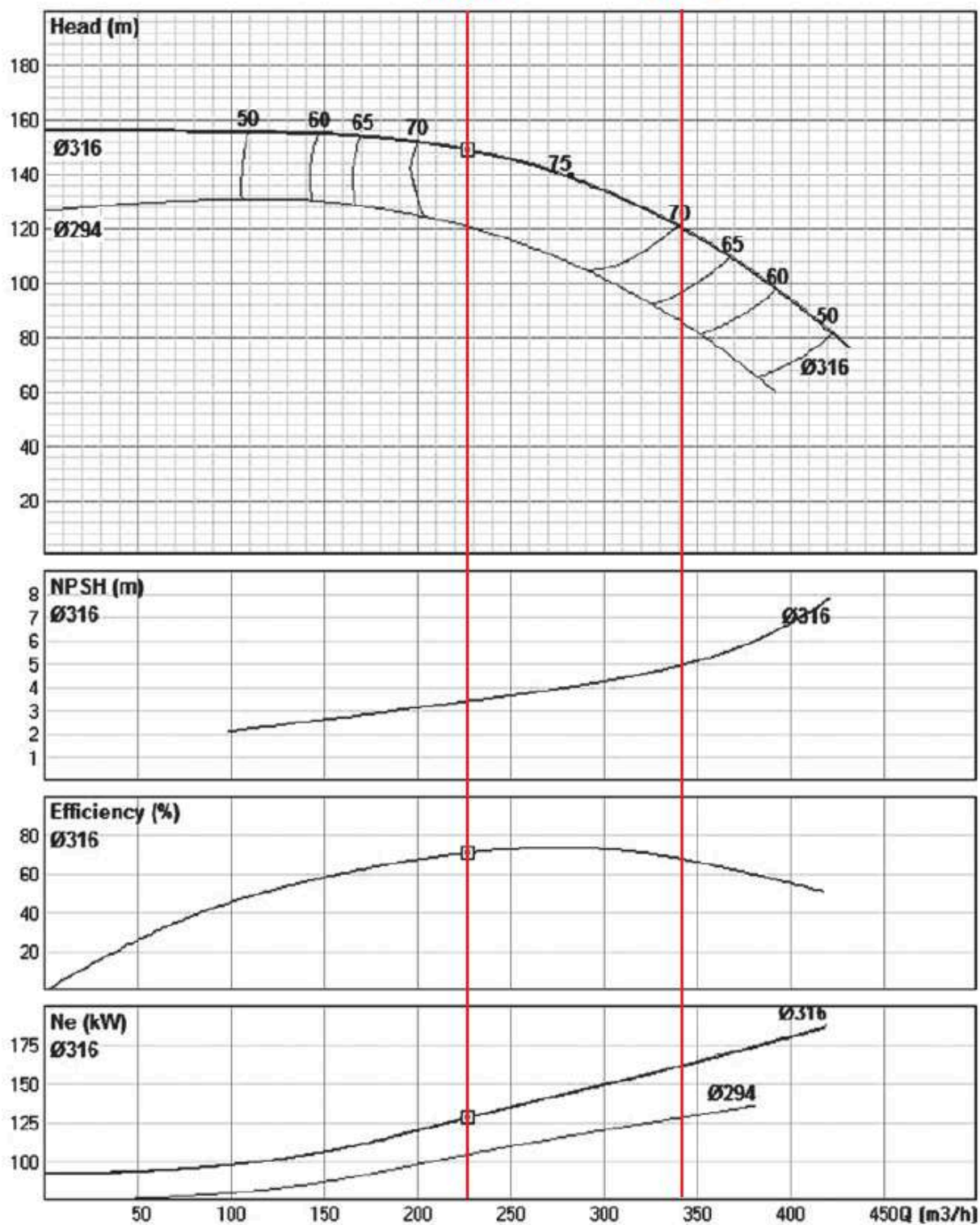
End-Suction Performance Curves



N 100 / 330 - 1000 GPM

100%

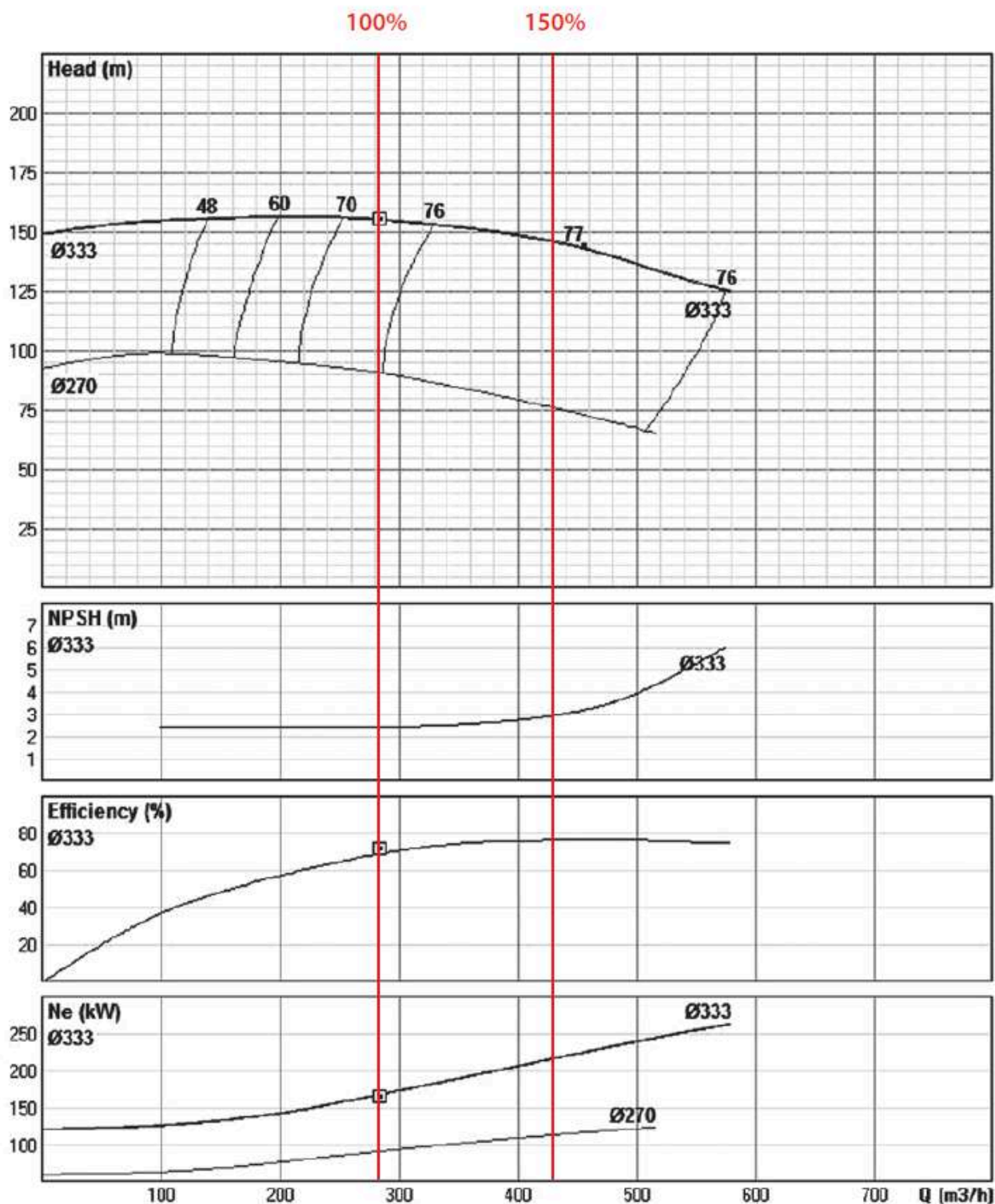
150%



End-Suction Performance Curves



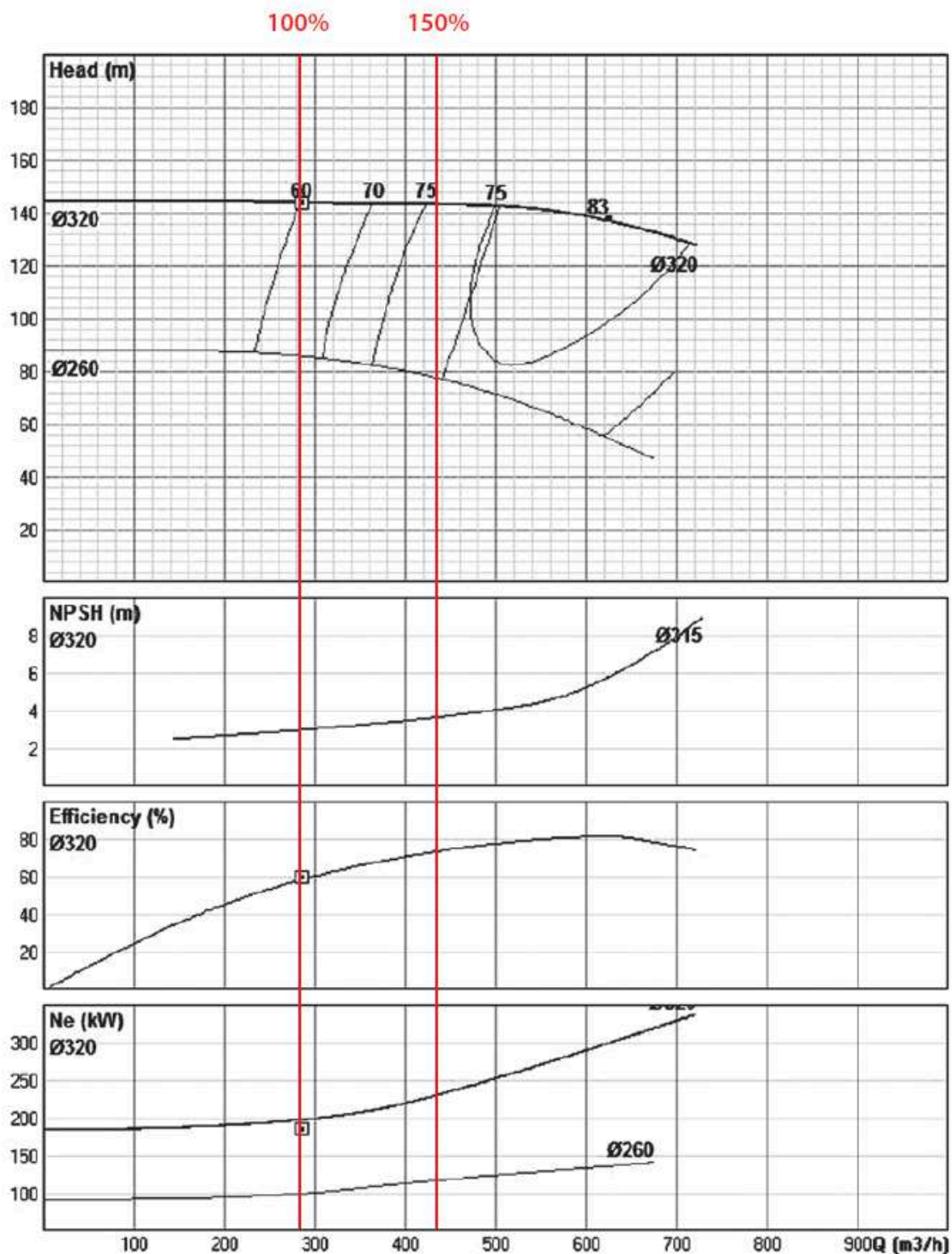
N 125 / 315 - 1250 GPM



End-Suction Performance Curves



N 150 / 315 - 1250 GPM



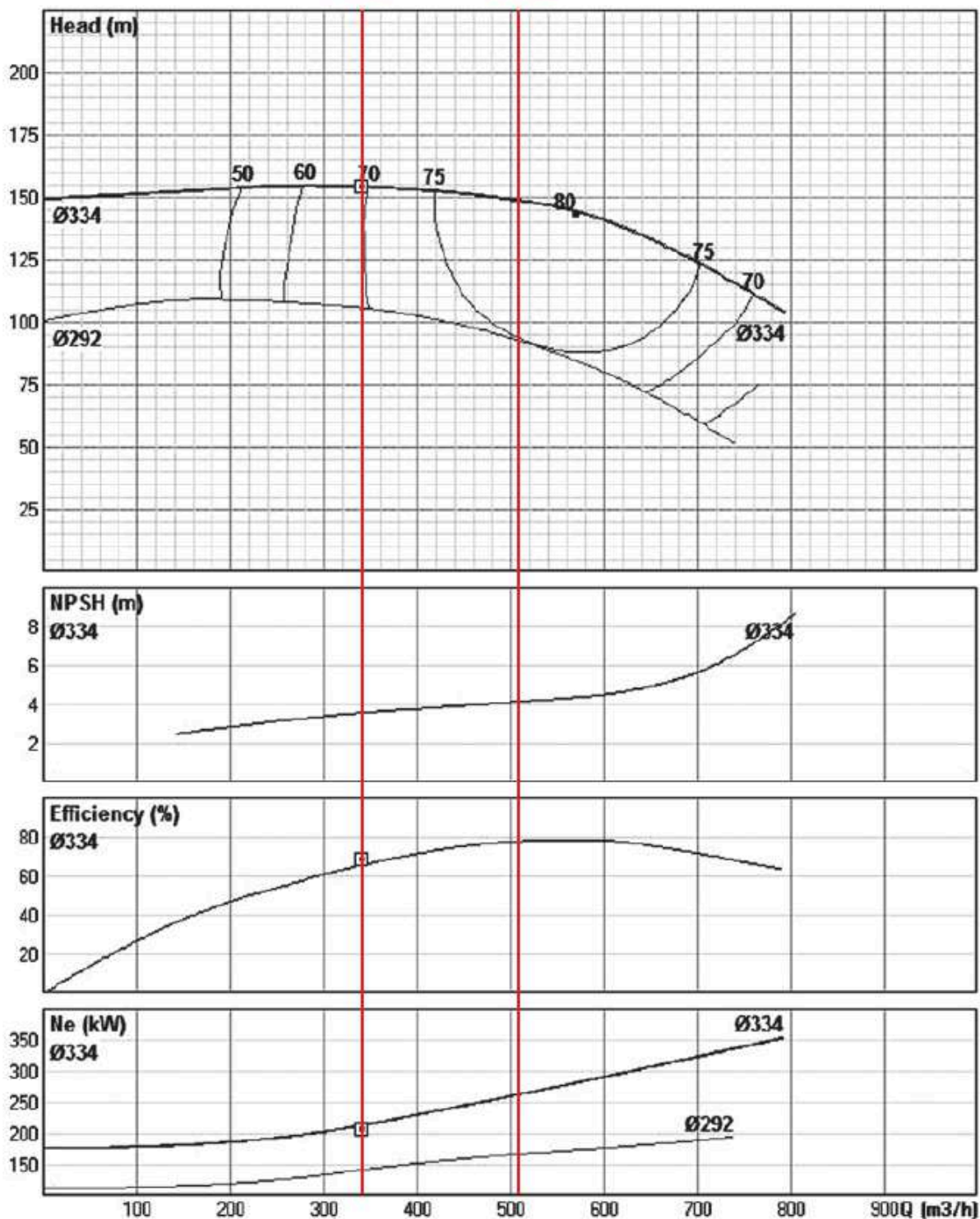
End-Suction Performance Curves



N 125 / 330 - 1500 GPM

100%

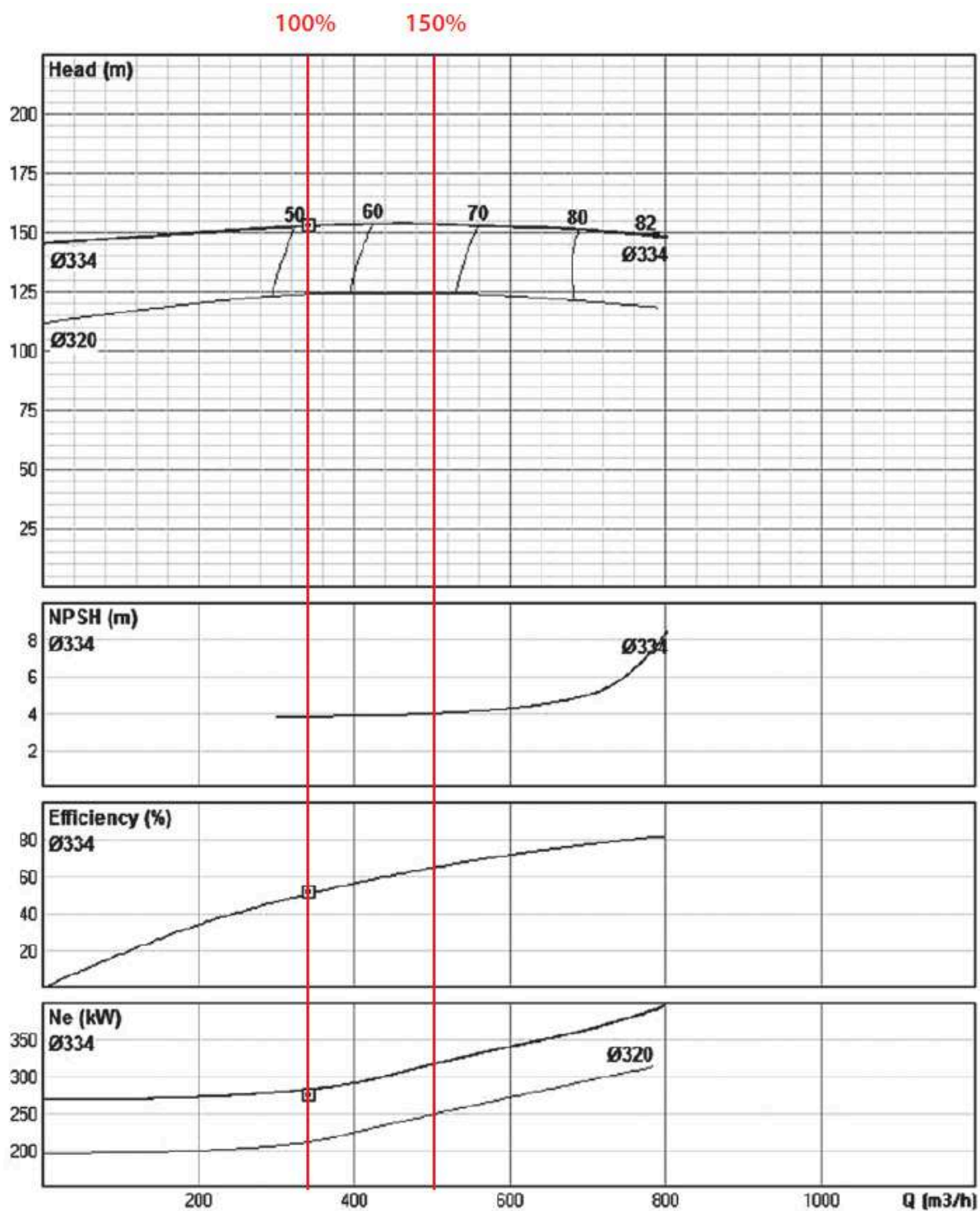
150%



End-Suction Performance Curves



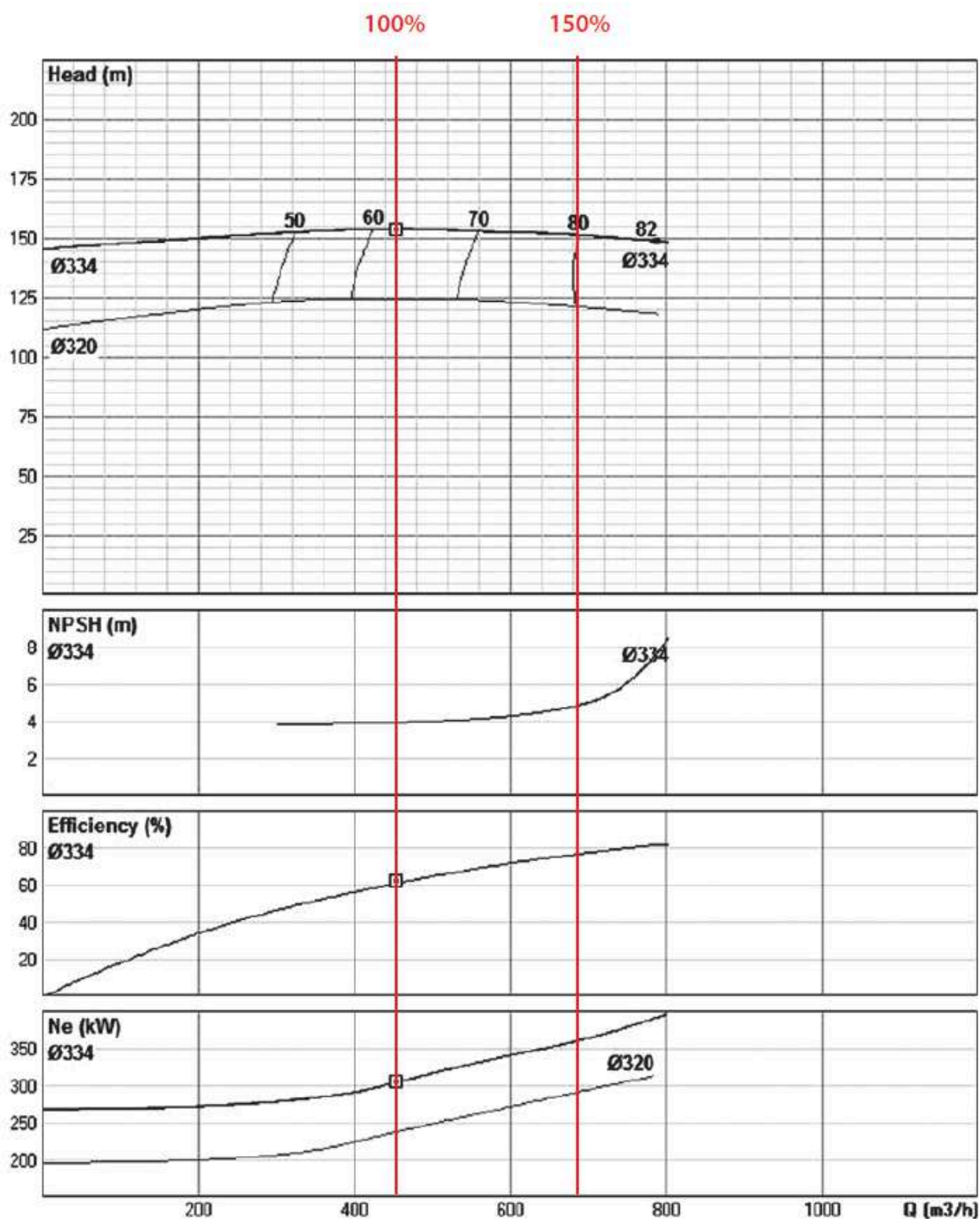
N 150 / 330 - 1500 GPM



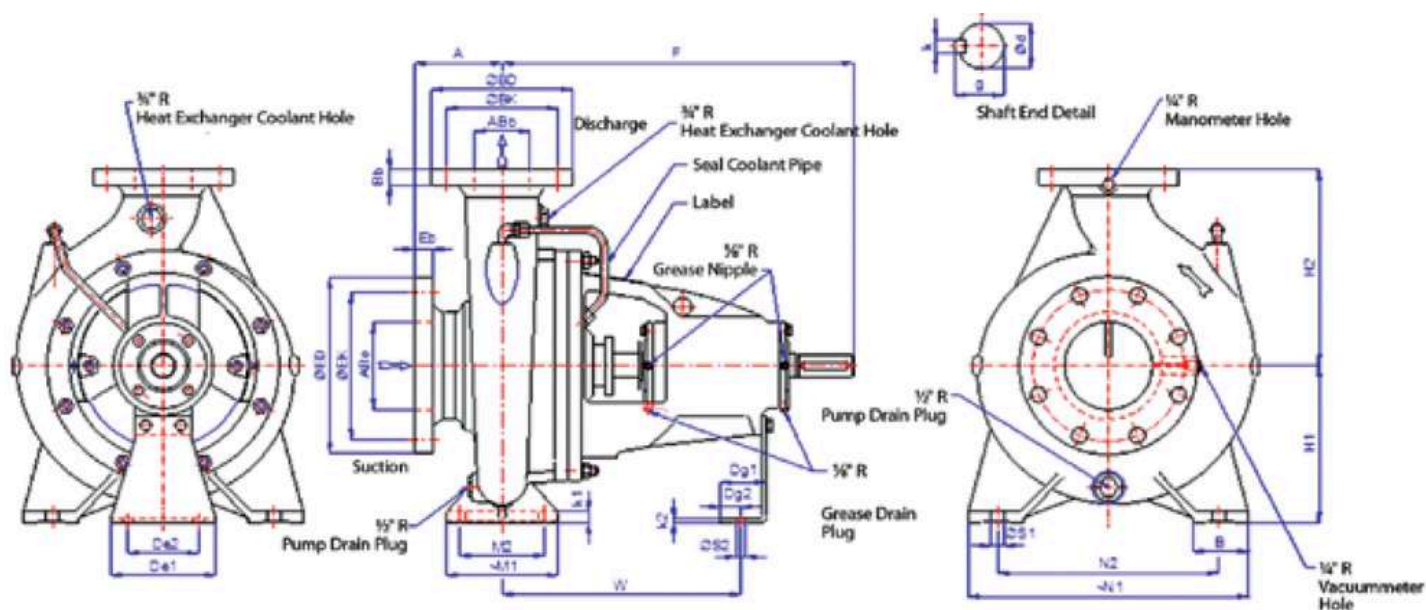
End-Suction Performance Curves



N 150 / 330 - 2000 GPM

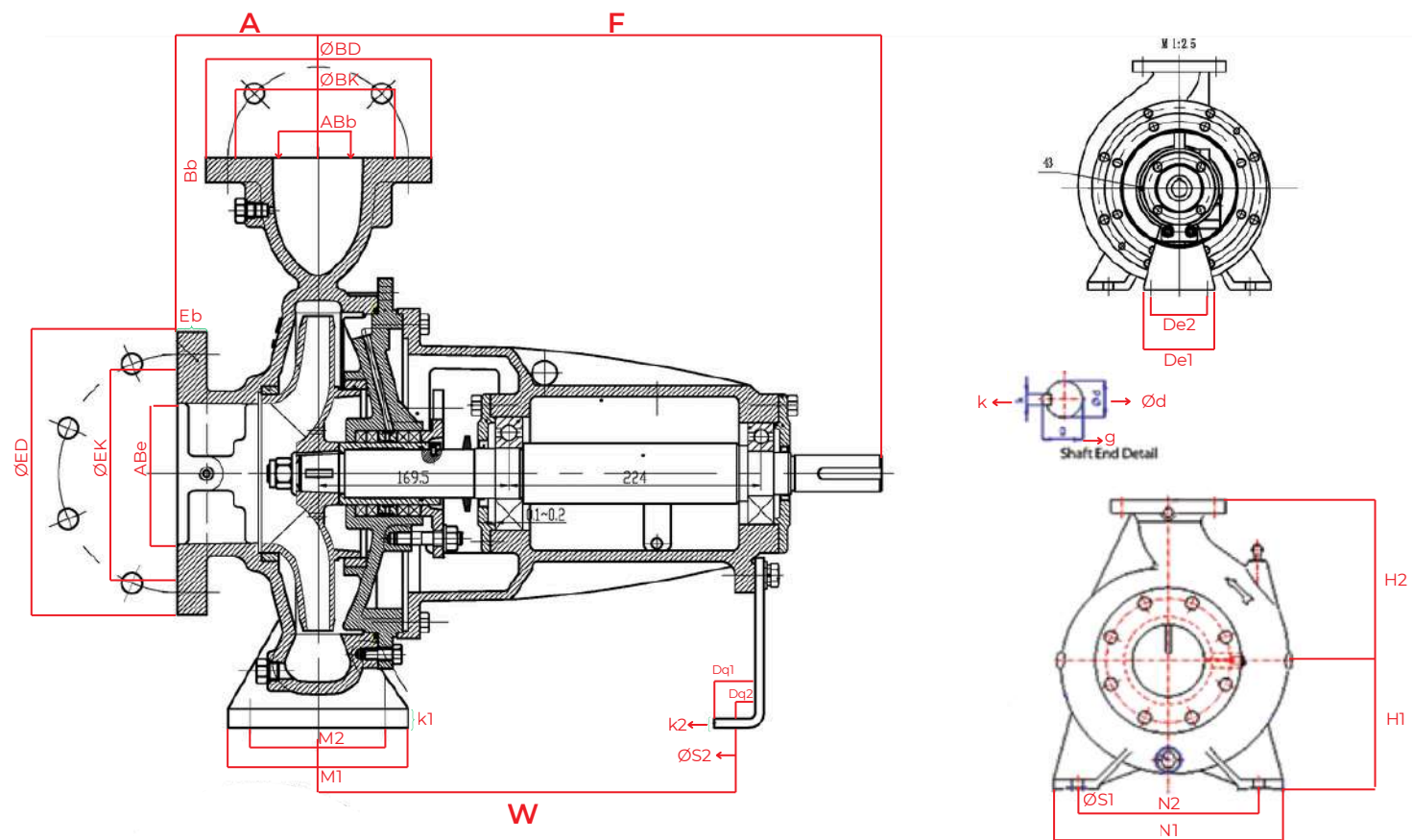


UL Listed End-Suction Pumps Dimensions Table



Pump Model	ABb	ABe	A	F	H1	H2	M1	M2	N1	N2	k1	ØS1	De1	De2	Dg1	Dg2	k2	ØS2	ØBD	ØBK	Hole Piece x Ø	Bb	ØED	ØEK	Hole Piece x Ø	Eb	Ød	k	g
N 32/250	32	50	100	470	180	225	125	95	320	250	18	12	130	100	65	29	6	14	117	89	4 x Ø16	13	152,4	120	4 x Ø20	16	32	10	35
N 50/260	80	50	125	360	180	225	125	95	320	250	18	14	110	80	50	24	6	14	152,4	120	4 x Ø20	16	190,5	152,4	4 x Ø20	20	24	8	27
N 65/260	65	100	125	470	200	250	160	120	360	280	18	18	150	100	65	35	6	14	177,8	140	4 x Ø20	20	228,6	190,5	8 x Ø20	22	32	10	35
N 80/250	80	125	125	500	225	280	160	120	400	315	17	18	150	100	65	35	6	14	190,5	152	4 x Ø20	22	254	215,9	8 x Ø20	24	32	10	35
N 80/315	80	100	125	525	250	315	160	120	400	315	19	18	150	100	65	29	6	14	210	169	8 x Ø22	29	228,6	190,5	8 x Ø20	24	42	12	45
N 100/250	100	125	140	530	225	280	160	120	400	315	20	18	150	100	65	29	6	14	228,6	191	8 x Ø20	24	254	215,9	8 x Ø22	24	38	10	41
N 100/315	100	125	140	530	250	315	160	120	400	315	18	18	150	100	65	29	6	14	254	200	8 x Ø22	32	255	216	8 x Ø22	24	38	10	41
N 100/330	100	150	140	530	250	315	160	120	400	315	18	18	150	100	65	29	6	14	254	200	8 x Ø22	32	279,4	241,3	8 x Ø22	25	38	10	51,5
N 125/315	125	150	140	580	280	355	200	150	500	400	24	23	150	100	65	29	6	14	279,4	235	8 x Ø22	35	279	241,3	8 x Ø22	25	48	14	51,5
N 125/330	125	200	160	580	280	355	200	150	500	400	24	23	150	100	65	29	6	14	279,4	235	8 x Ø22	35	343	298,5	8 x Ø22	26	48	14	51,5
N 150/315	150	200	160	580	280	400	200	150	550	450	24	23	150	100	65	29	6	14	317,5	270	12 x Ø22	37	343	298,5	8 x Ø22	26	48	14	51,5
N 150/330	150	215	160	595	315	400	200	150	550	450	24	23	200	150	85	42	8	23	317,5	270	12 x Ø22	37	343	298,5	8 x Ø22	26	48	14	51,5

UL Listed End-Suction Pumps Dimensions Table



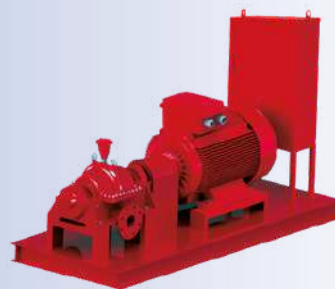
Pump Model	ABb	ABe	A	F	H1	H2	M1	M2	N1	N2	k1	ØS1	De1	De2	Dg1	Dg2	k2	ØS2	ØBD	ØBK	Hole Piece x Ø	Bb	ØED	ØEK	Hole Piece x Ø	Eb	Ød	k	g
N 40/270	32	50	100	470	180	225	125	95	320	250	18	12	130	100	65	29	6	14	117	89	4 x Ø16	13	152,4	120	4 x Ø20	16	32	10	35
N 50/270	80	50	125	360	180	225	125	95	320	250	18	14	110	80	50	24	6	14	152,4	120	4 x Ø20	16	190,5	152,4	4 x Ø20	20	24	8	27
N 65/270	65	100	125	470	200	250	160	120	360	280	18	18	150	100	65	35	6	14	177,8	140	4 x Ø20	20	228,6	190,5	8 x Ø20	22	32	10	35
N 80/270	80	125	125	500	225	280	160	120	400	315	17	18	150	100	65	35	6	14	190,5	152	4 x Ø20	22	254	215,9	8 x Ø20	24	32	10	35
N 100/325	100	125	140	530	250	315	160	120	400	315	18	18	150	100	65	29	6	14	254	200	8 x Ø22	32	255	216	8 x Ø22	24	38	10	41
N 100/340	100	150	140	530	250	315	160	120	400	315	18	18	150	100	65	29	6	14	254	200	8 x Ø22	32	279,4	241,3	8 x Ø22	25	38	10	51,5

End-Suction Pumps Material List

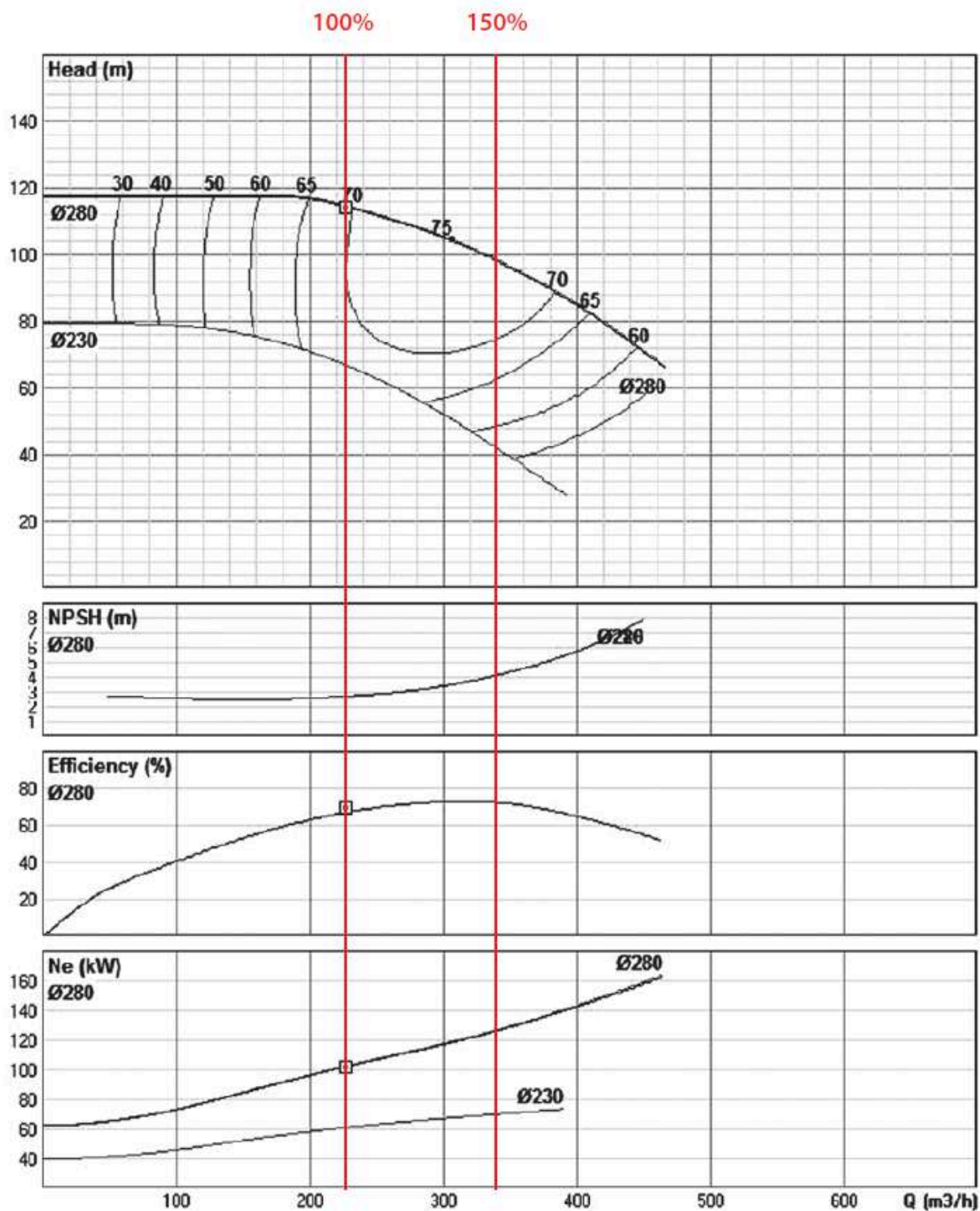
Parts No	Component Description	Standard Material	Alternative Material-1	Alternative Material-2
102	VOLUTE	GGG40	AISI316	DUPLEX
161	STUFFING BOX	GGG40	AISI316	DUPLEX
183	SUPPORT FOOT	SHEET METAL	SHEET METAL	SHEET METAL
210	SHAFT	AISI420	AISI420	DUPLEX
230	IMPELLER	AISI316	GCuSn10	DUPLEX
330	BEARING FRAME	GG25	GG25	GG25
360	BEARING COVER	GG25	GG25	GG25
452	GLAND	AISI316	GCuSn10	DUPLEX
458	LANTERN RING	GCuSn10	GCuSn10	DUPLEX
502	WEAR RING	RG5	GCuSn10	DUPLEX
507	WATER THROWER	RUBBER	RUBBER	RUBBER
524.1	SHAFT SLEEVE	AISI316	AISI316	AISI316
591	GUARD PLATE	STEEL	STEEL	STEEL
922	IMPELLER NUT	AISI316	AISI316	AISI316

Explanation: Standard Material: It is the list of standard materials. Alternative Material-1 and Alternative Material-2: It is the optional material list.

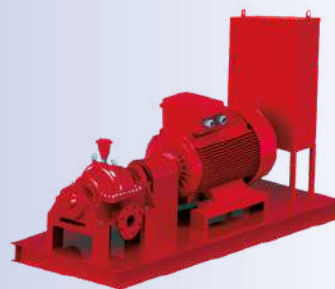
Split Case Performance Curves



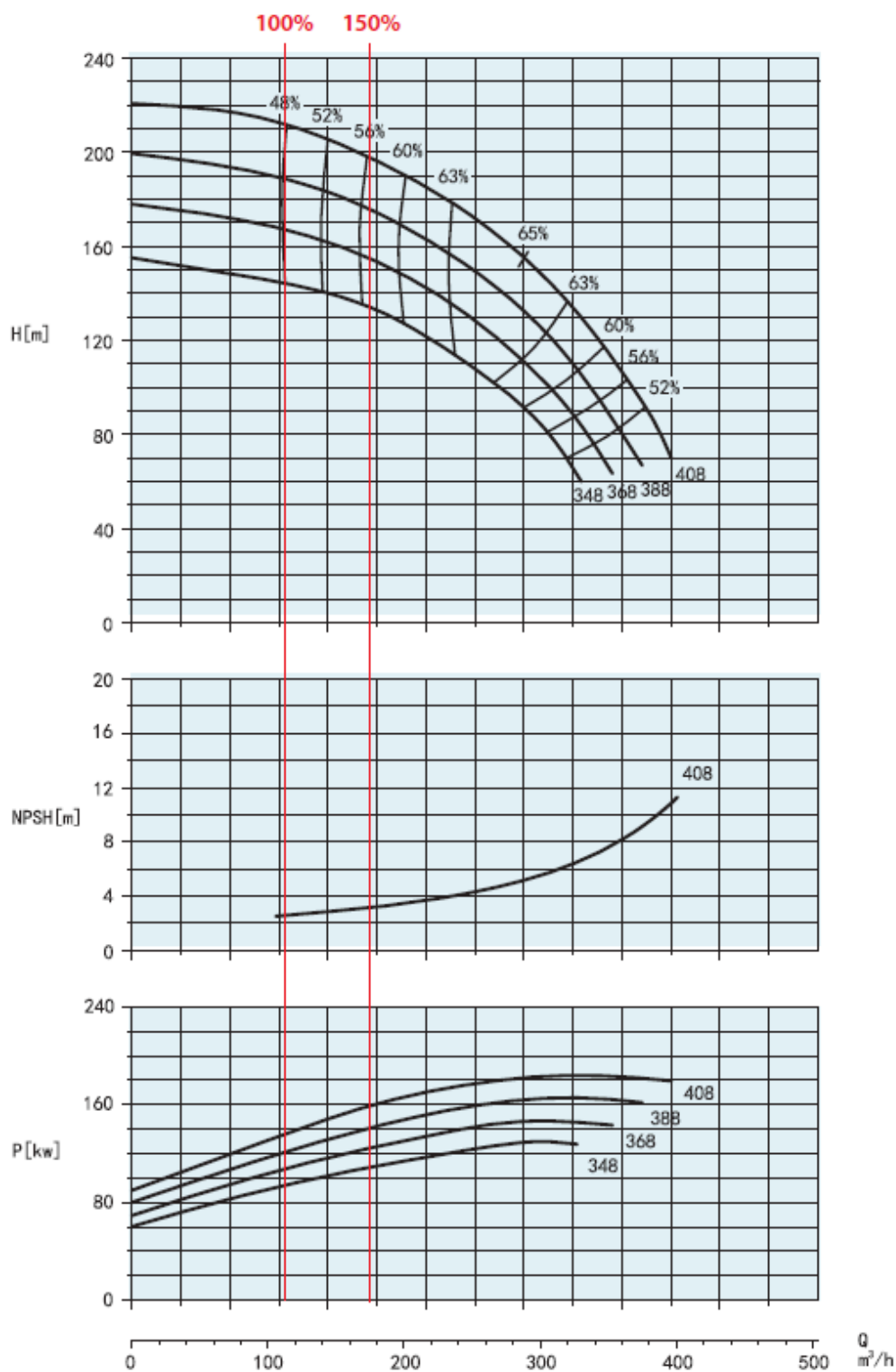
SCP 100 / 250 - 1000 GPM



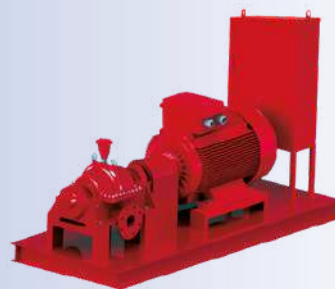
Split Case Performance Curves



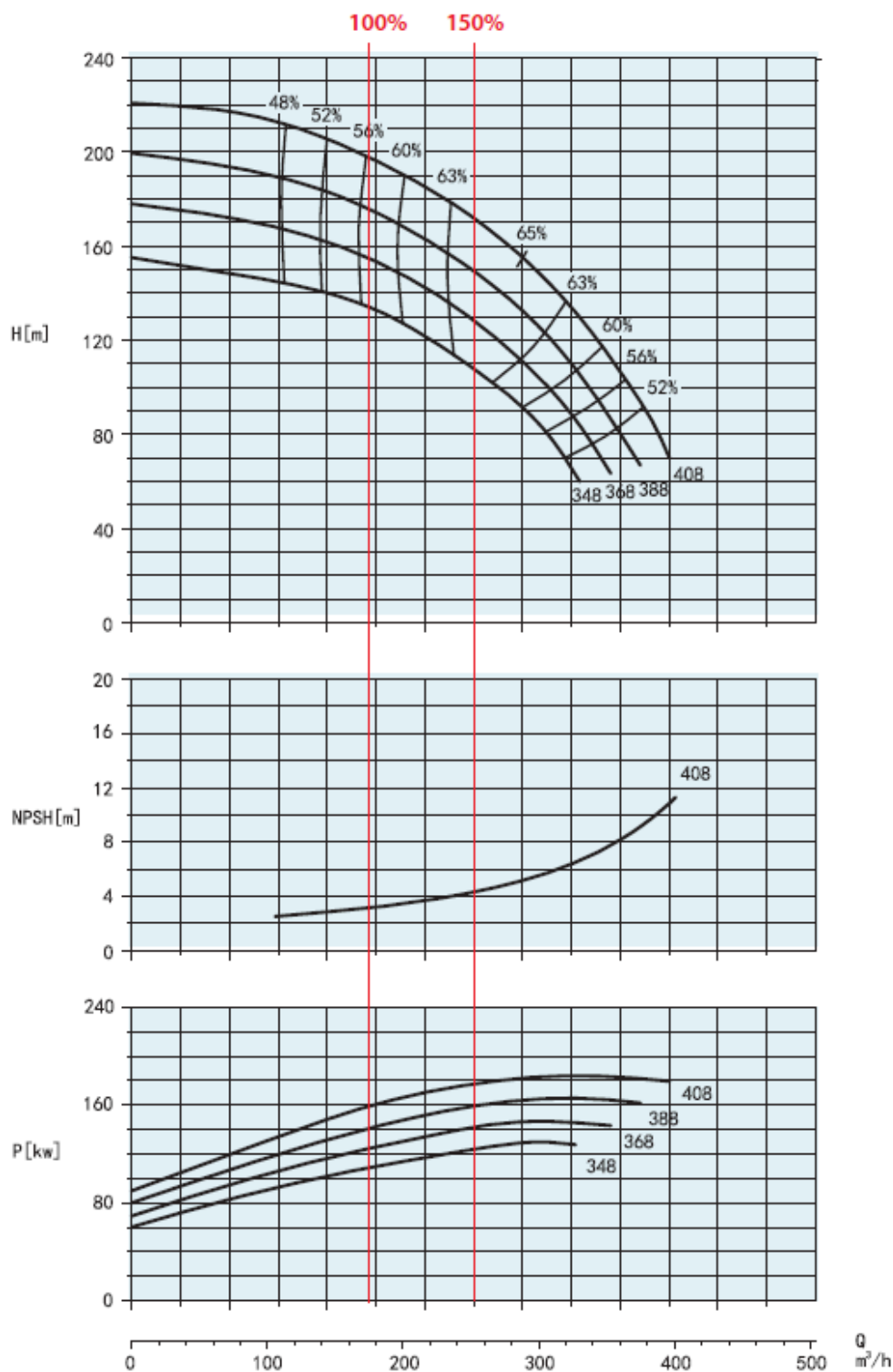
SCP 100/400 - 500 GPM



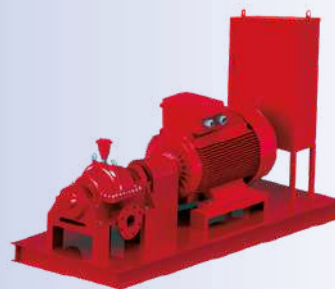
Split Case Performance Curves



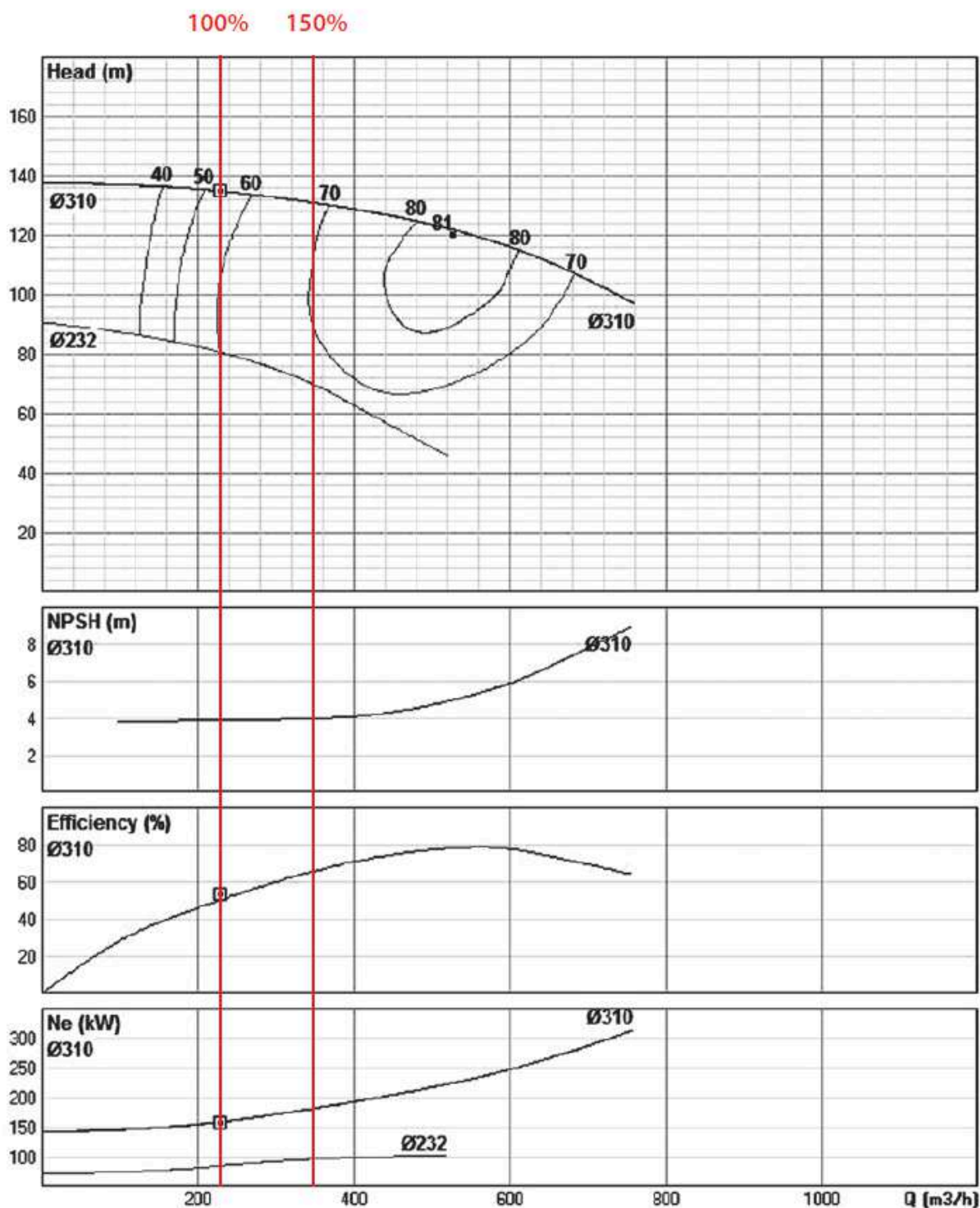
SCP 100/400 - 750 GPM



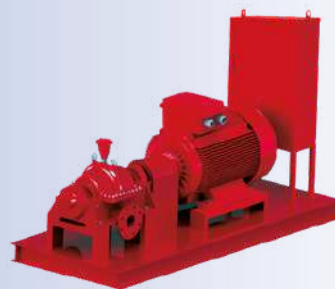
Split Case Performance Curves



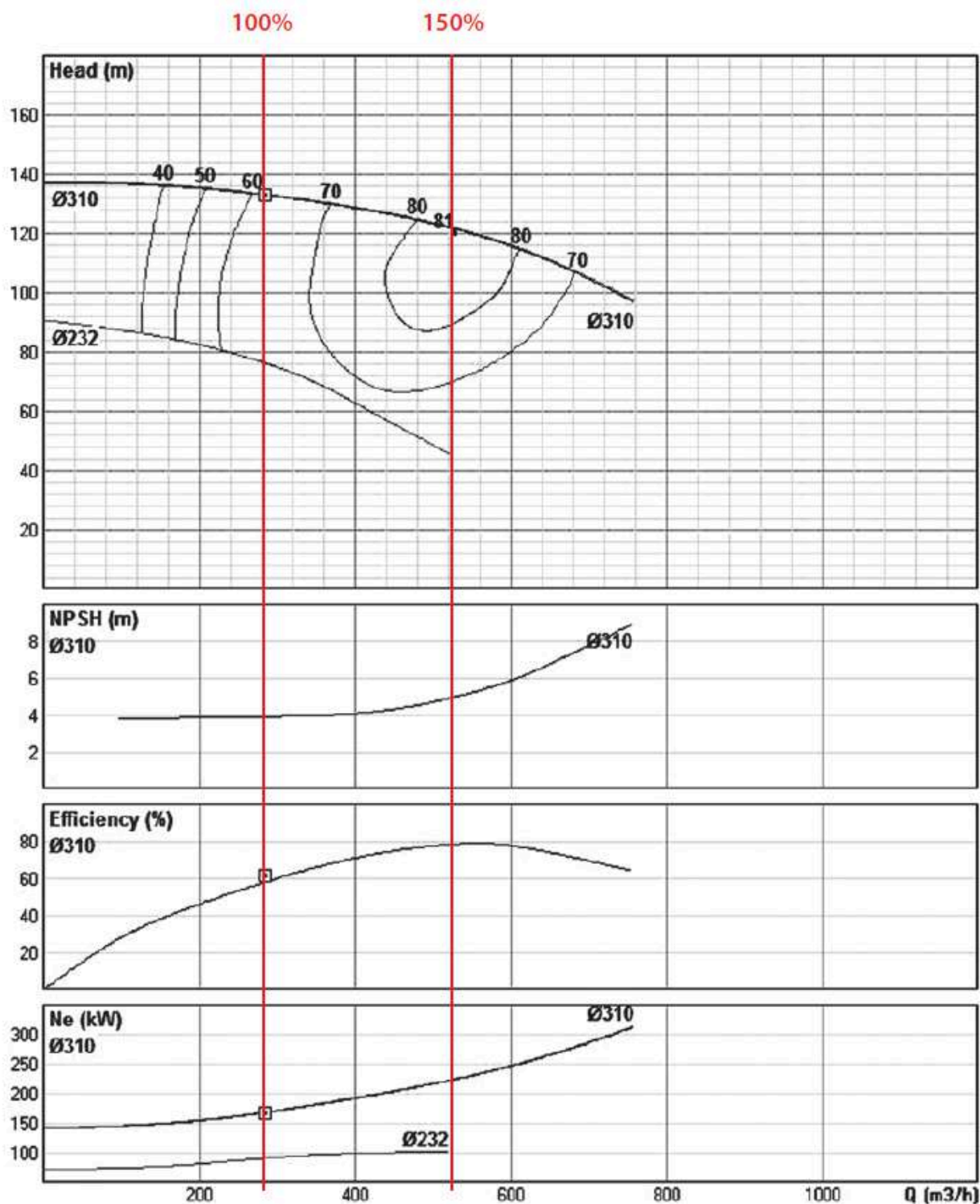
SCP 125 / 300 - 1000 GPM



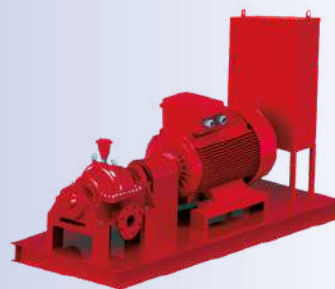
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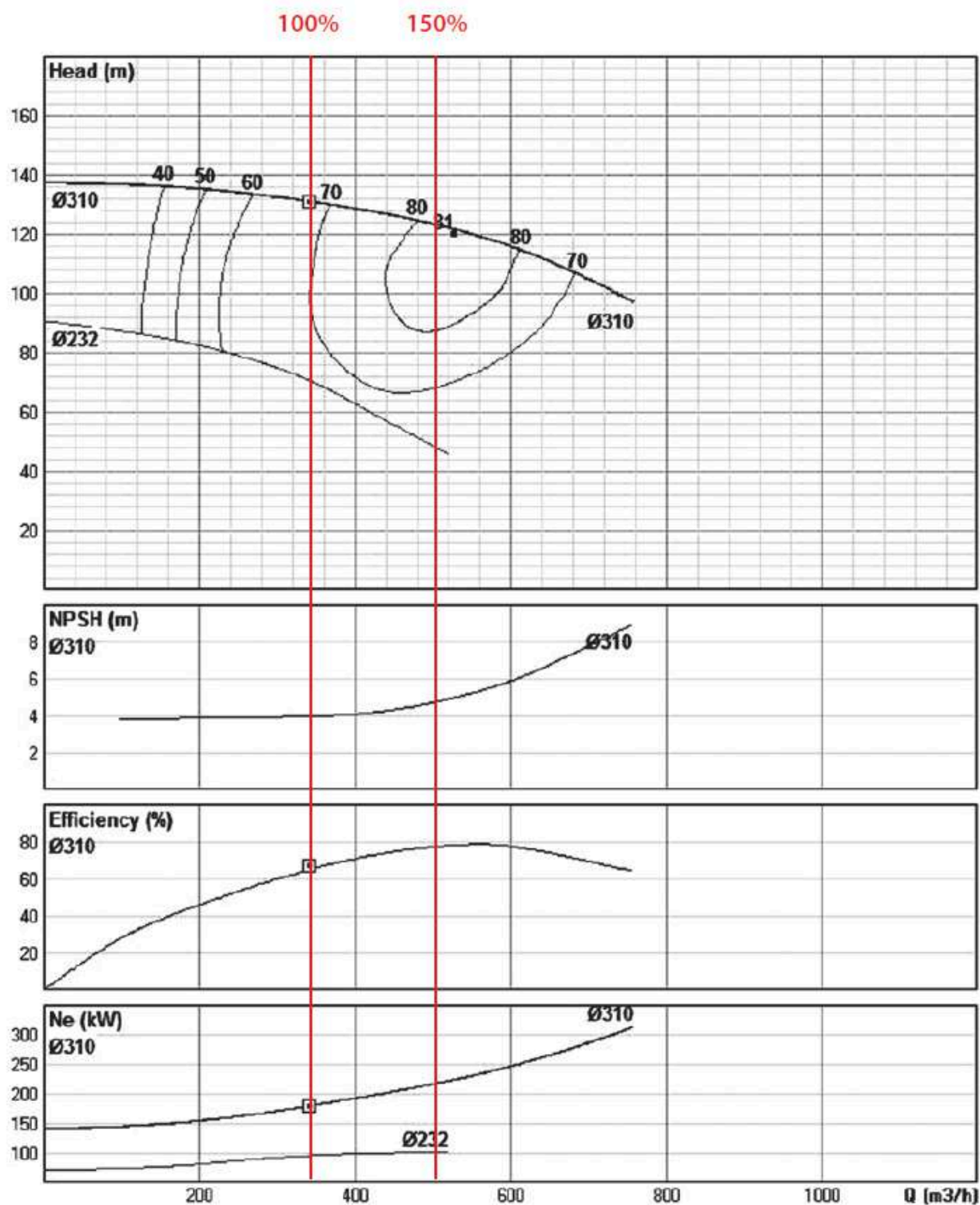
SCP 125 / 300 - 1250 GPM



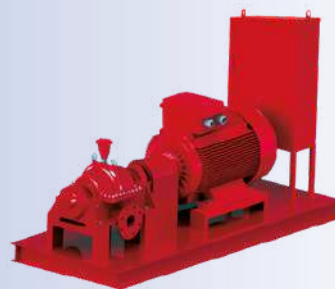
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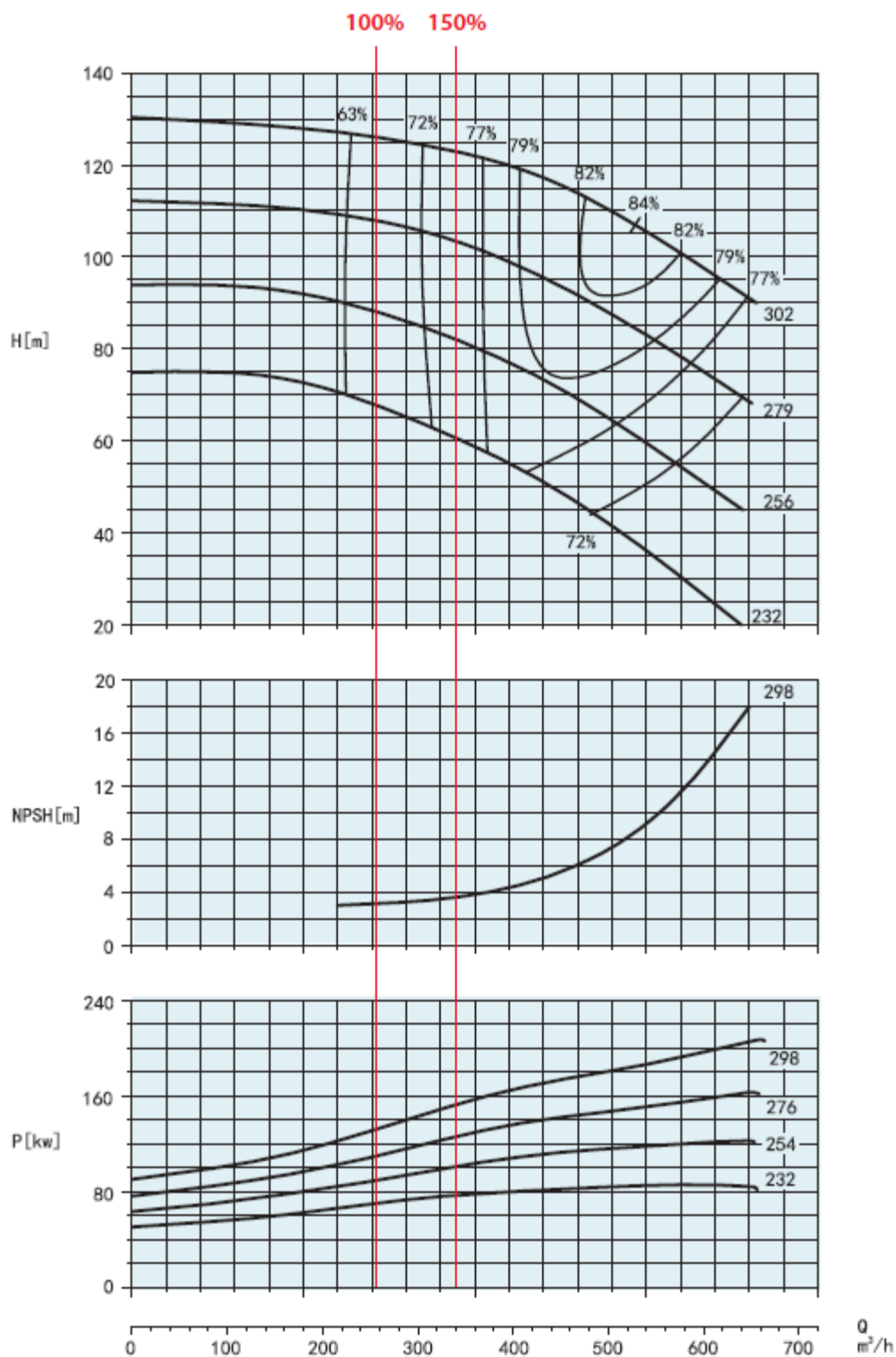
SCP 125 / 300 - 1500 GPM



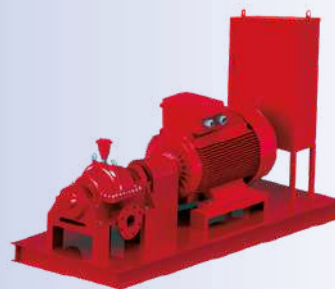
Split Case Performance Curves



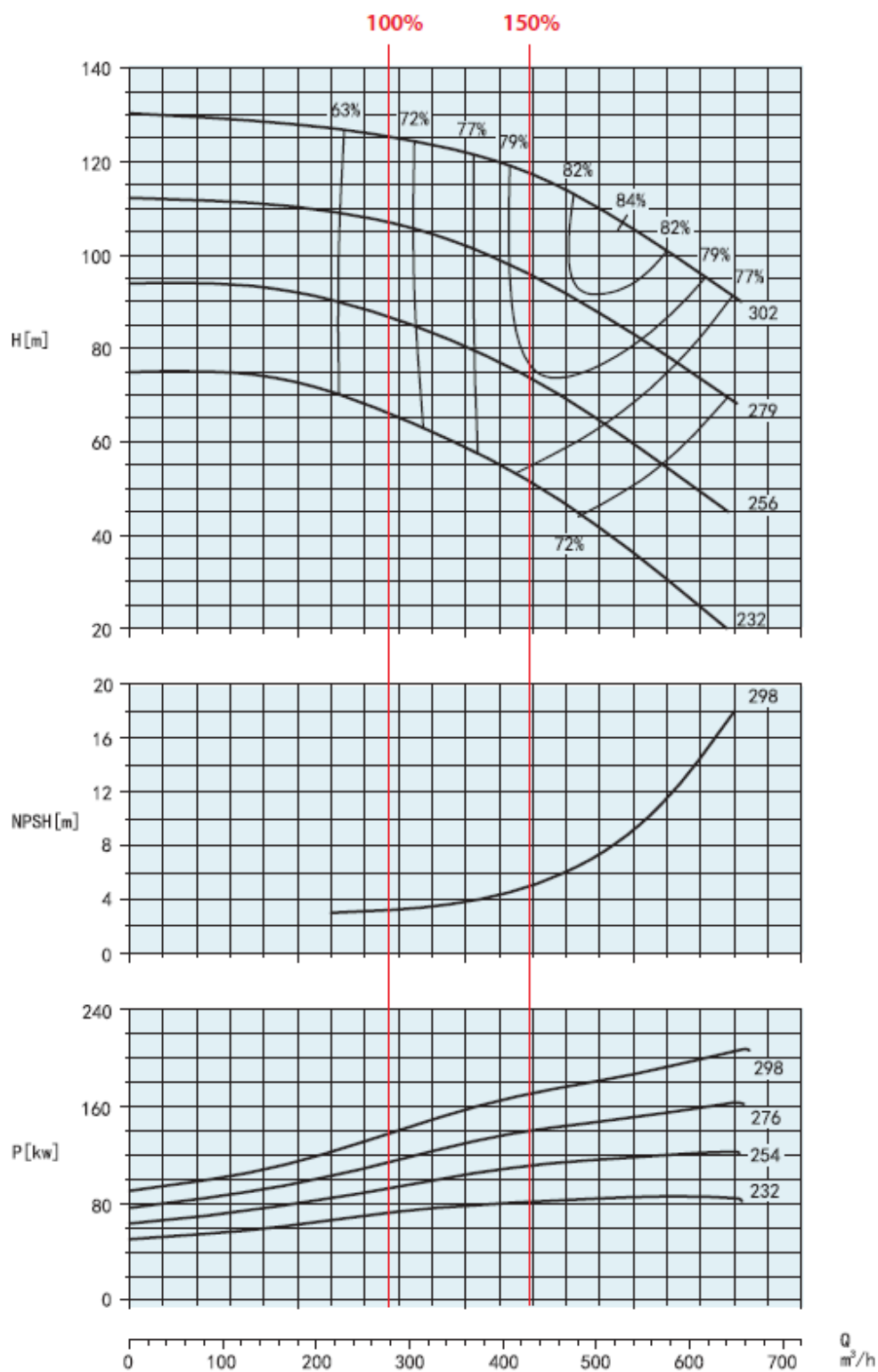
SCP 125/320 - 1000 GPM



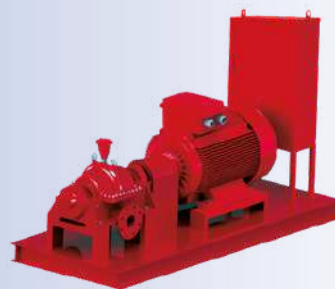
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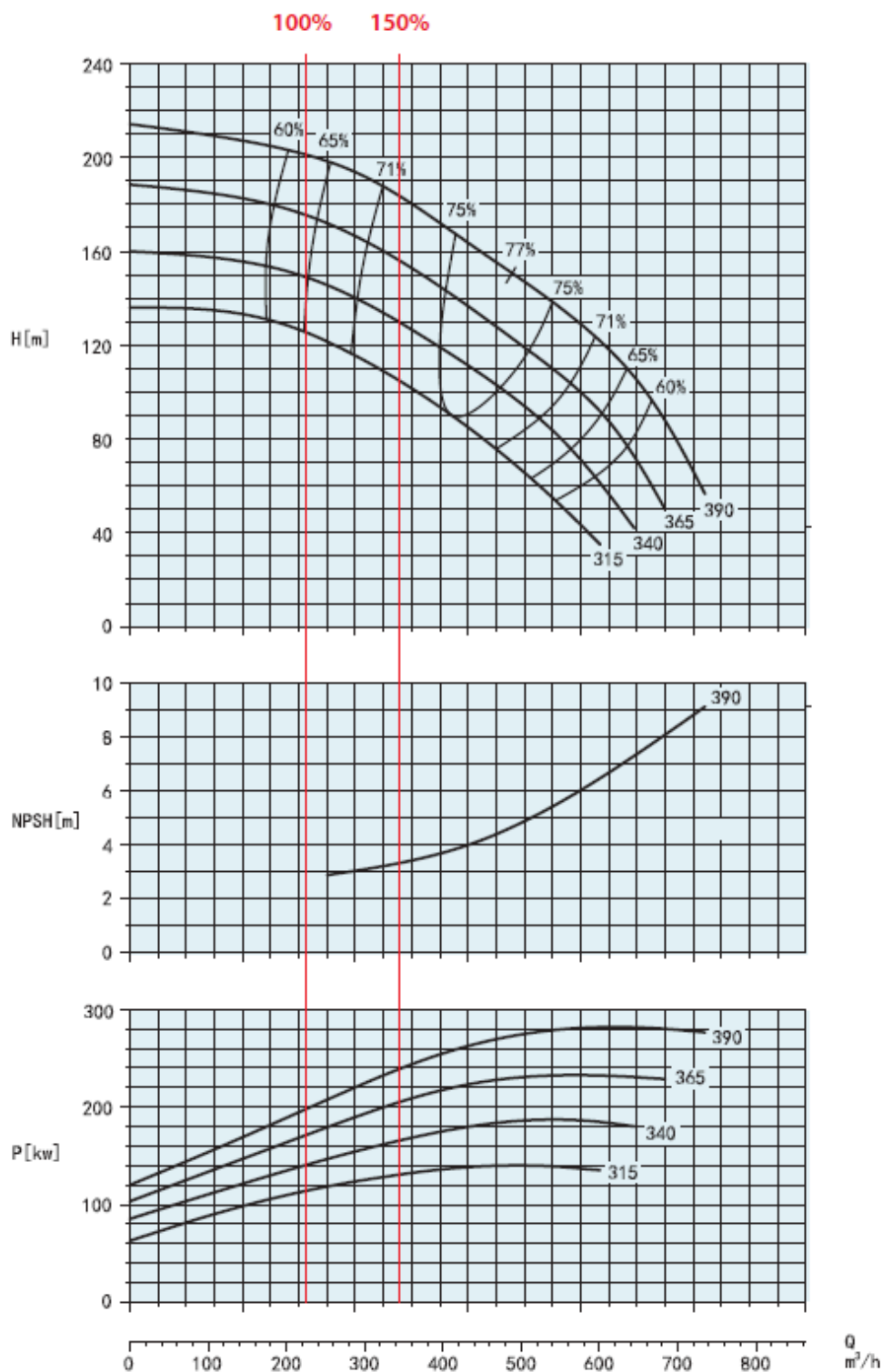
SCP 125/320 - 1250 GPM



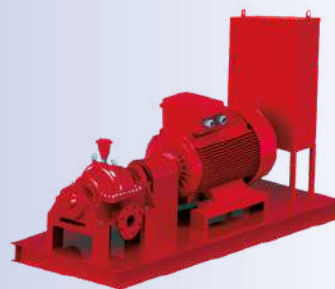
Split Case Performance Curves



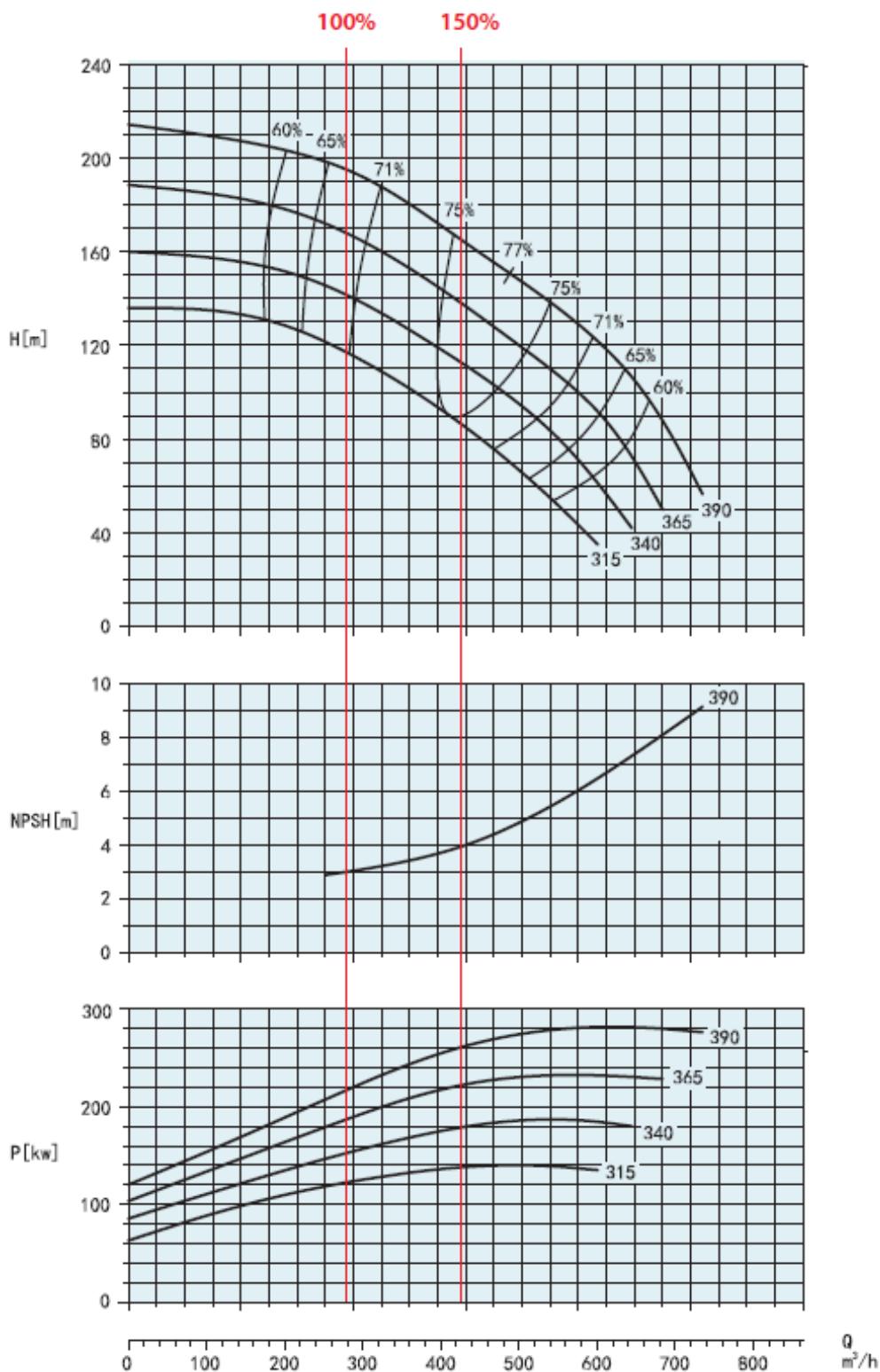
SCP 125/390 - 1000 GPM



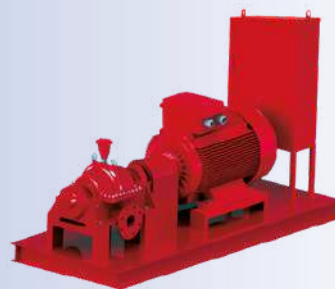
Split Case Performance Curves



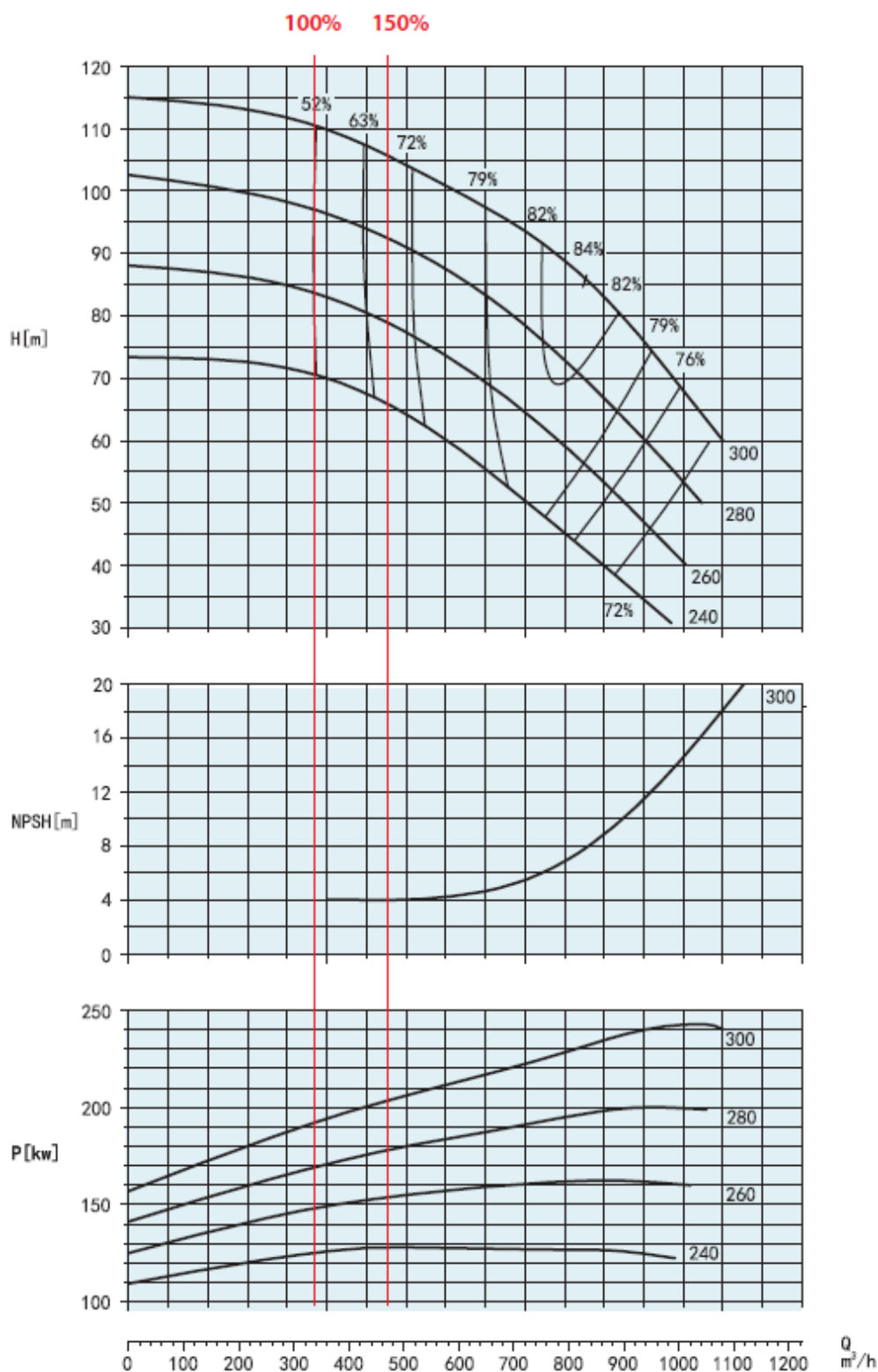
SCP 125/390 - 1250 GPM



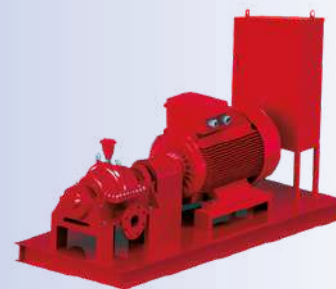
Split Case Performance Curves



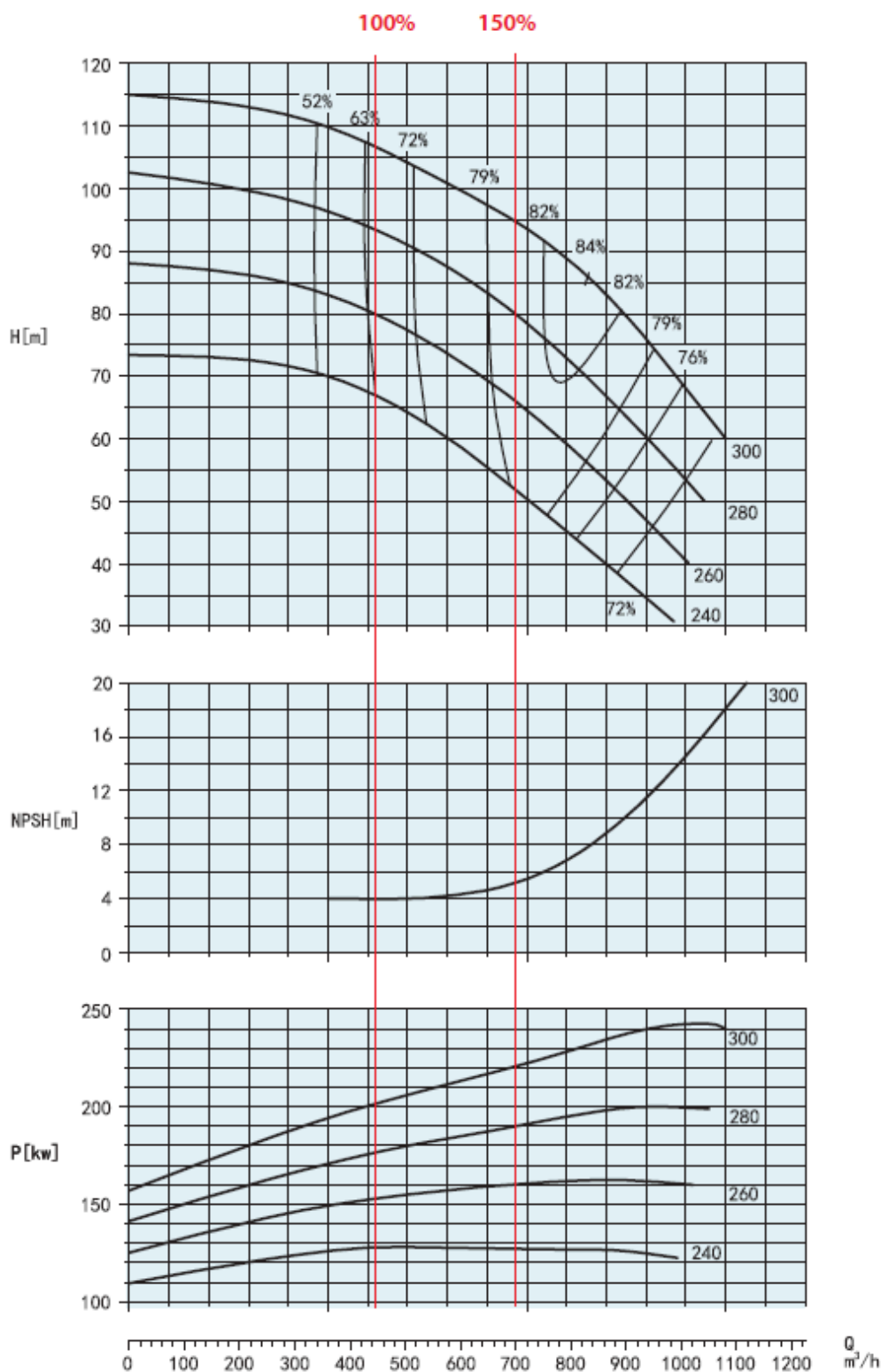
SCP 150/300 - 1500 GPM



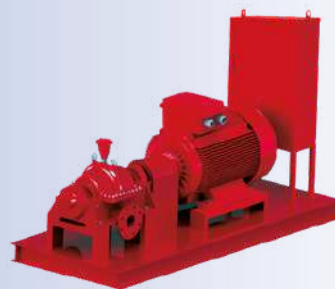
Split Case Performance Curves



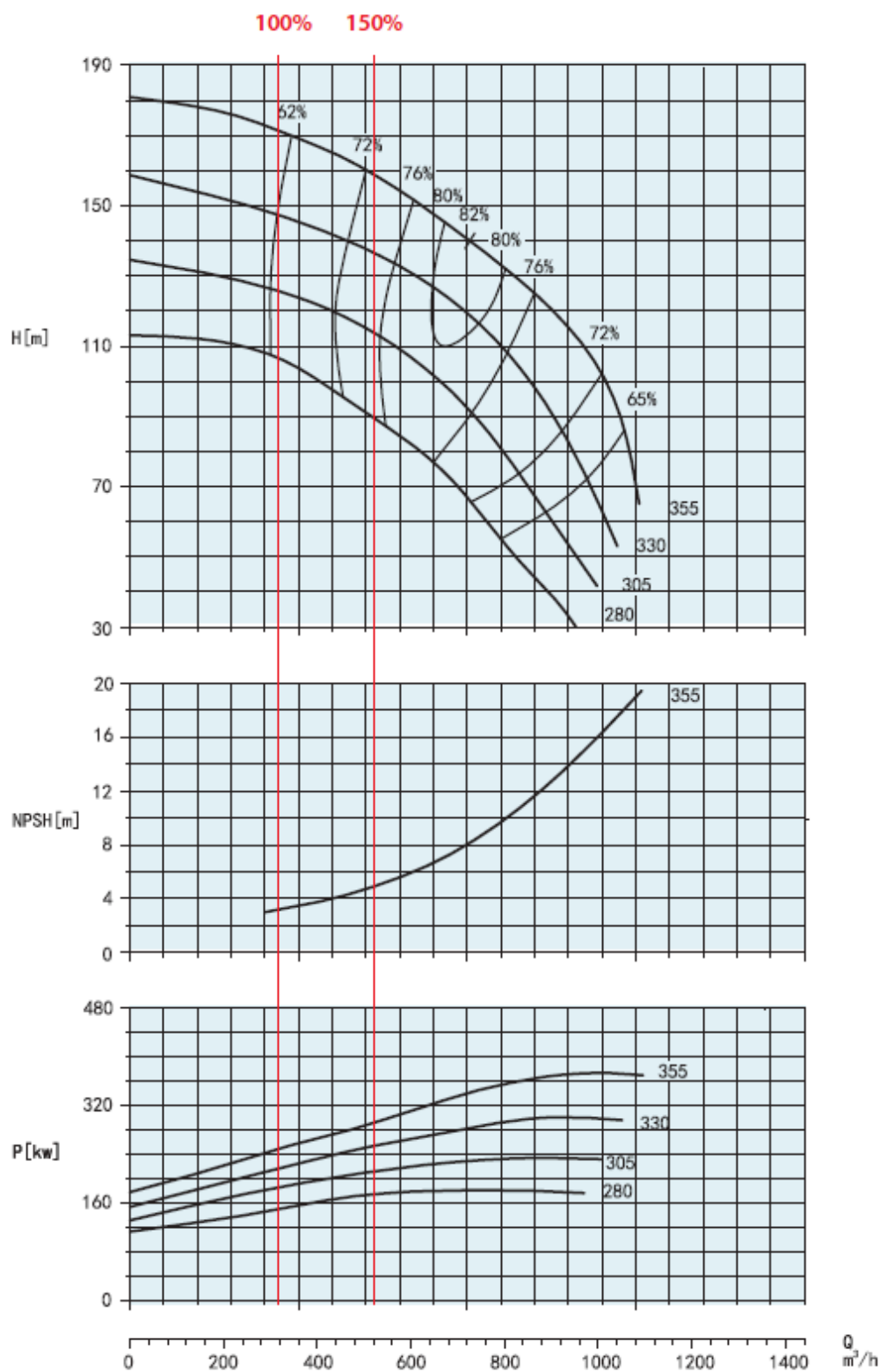
SCP 150/300 - 2000 GPM



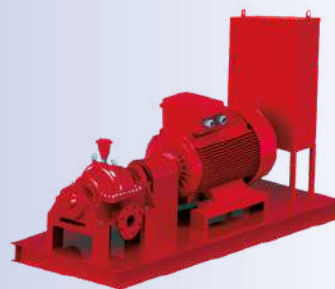
Split Case Performance Curves



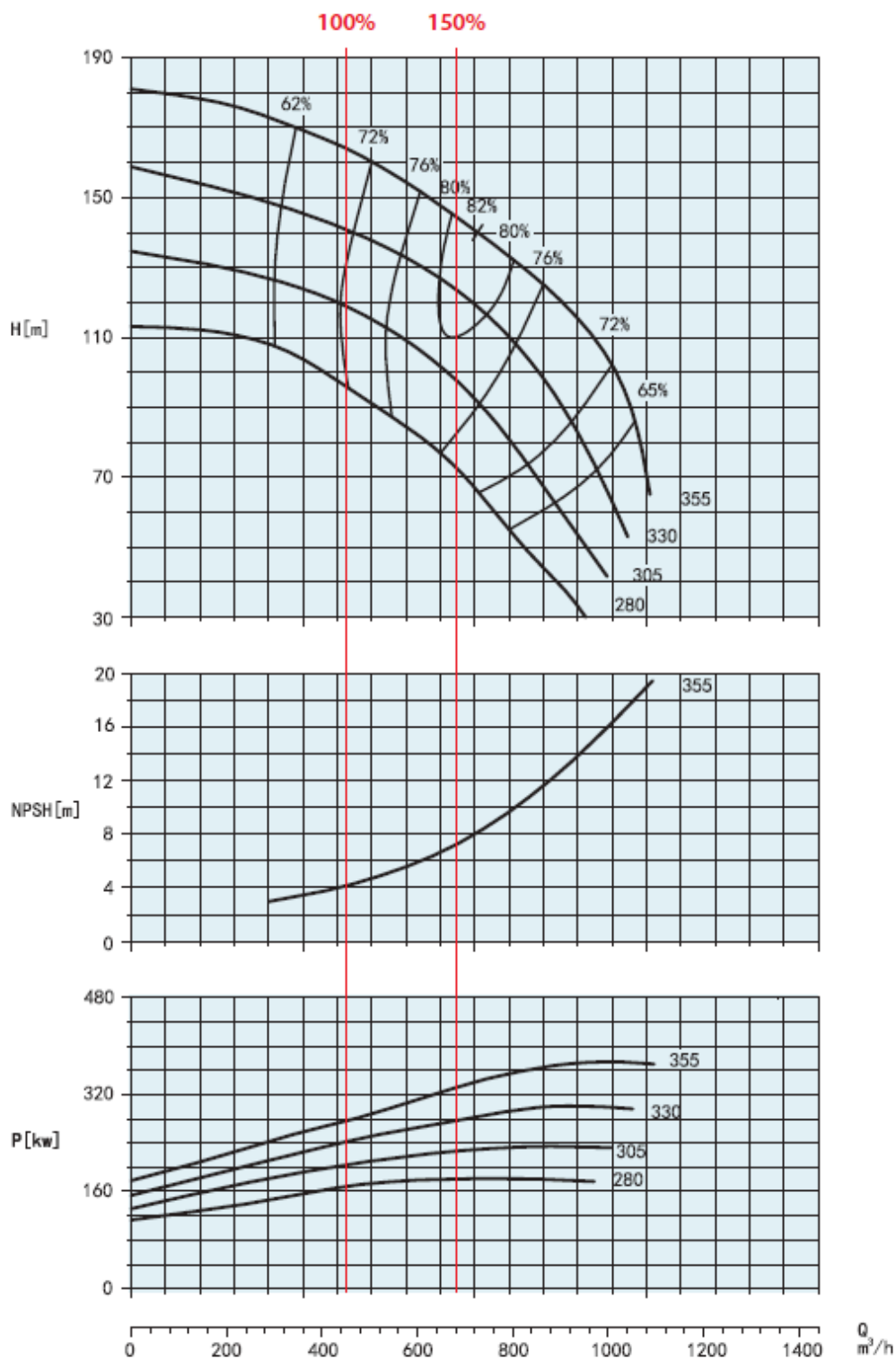
SCP 150/355 - 1500 GPM



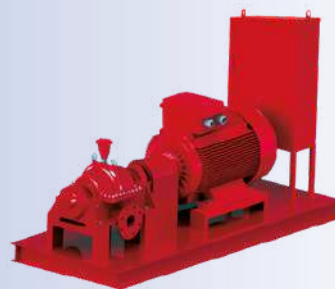
Split Case Performance Curves



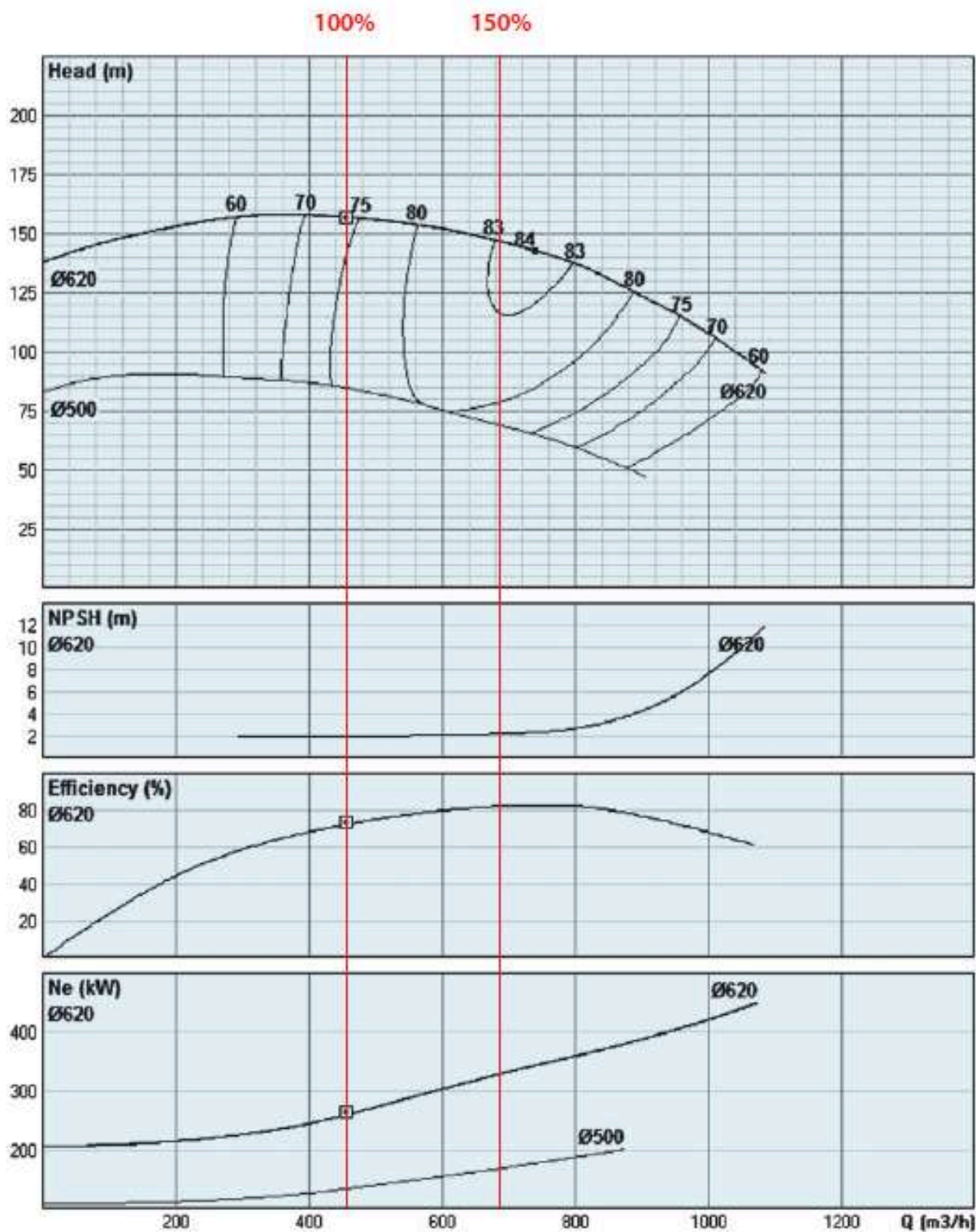
SCP 150/355 - 2000 GPM



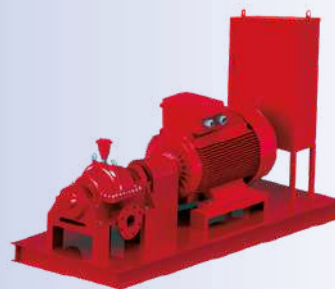
Split Case Performance Curves



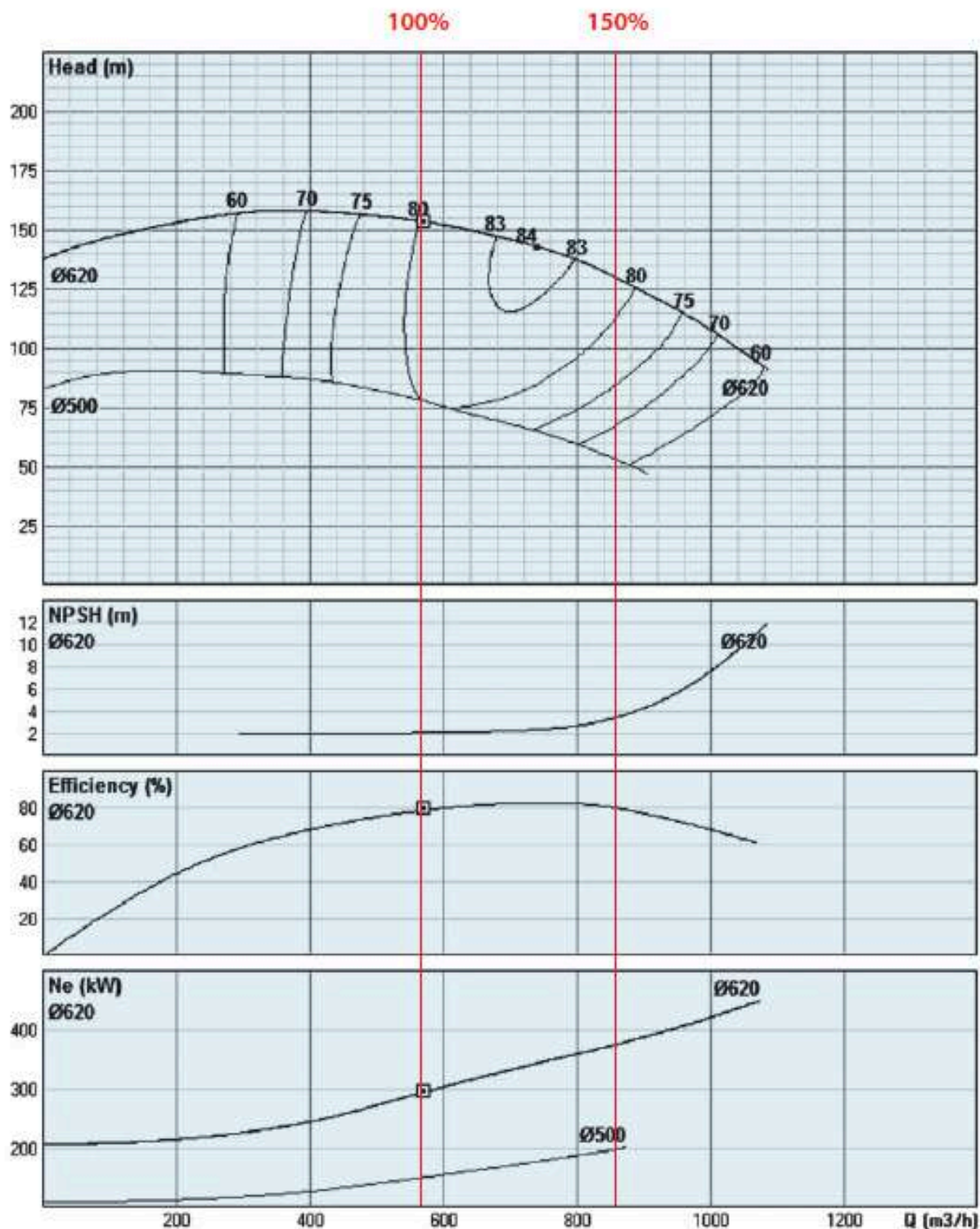
SCP4 150/ 630 - 2000 GPM



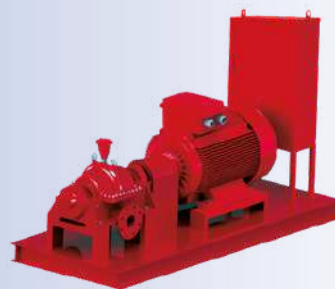
Split Case Performance Curves



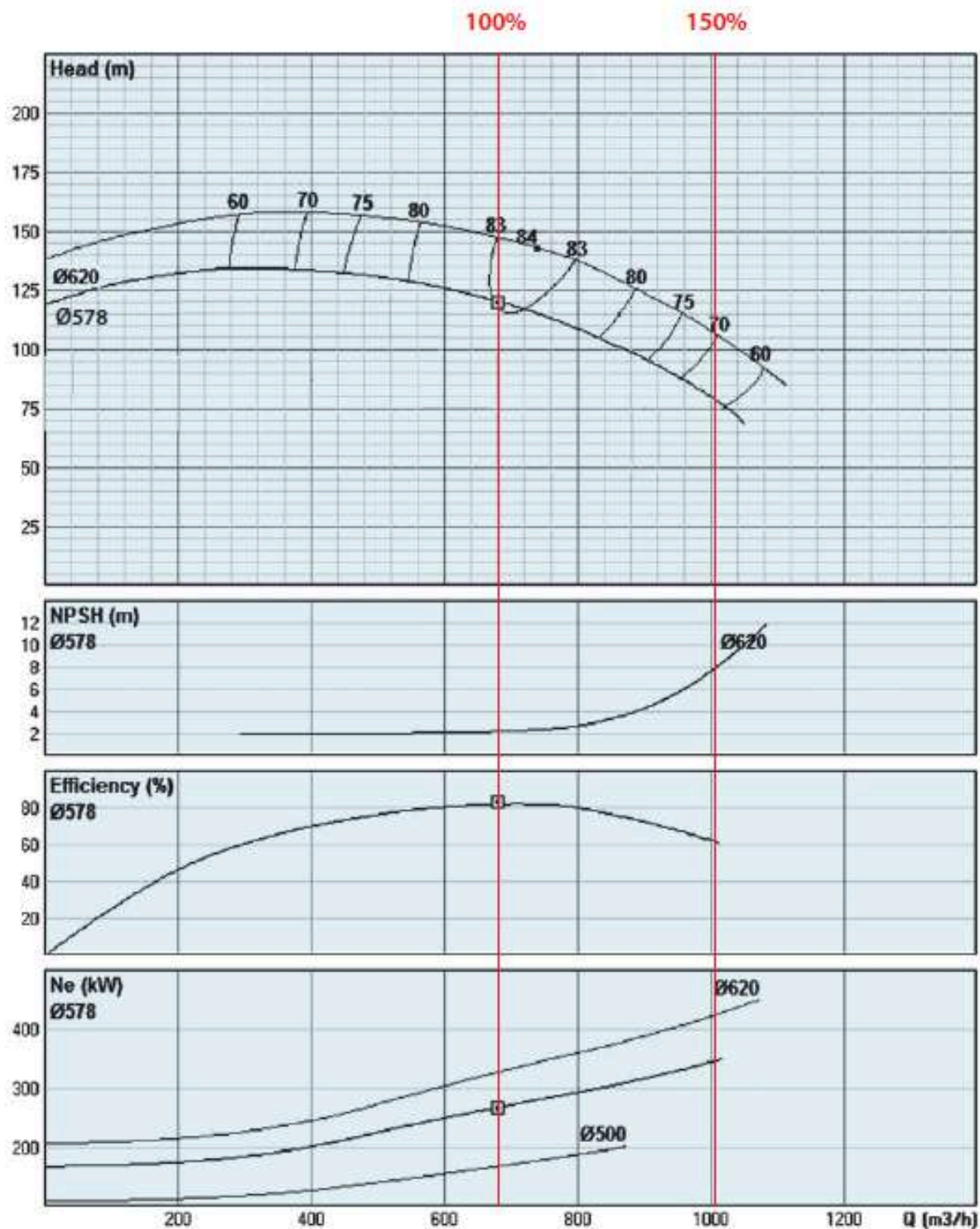
SCP4 150/ 630 - 2500 GPM



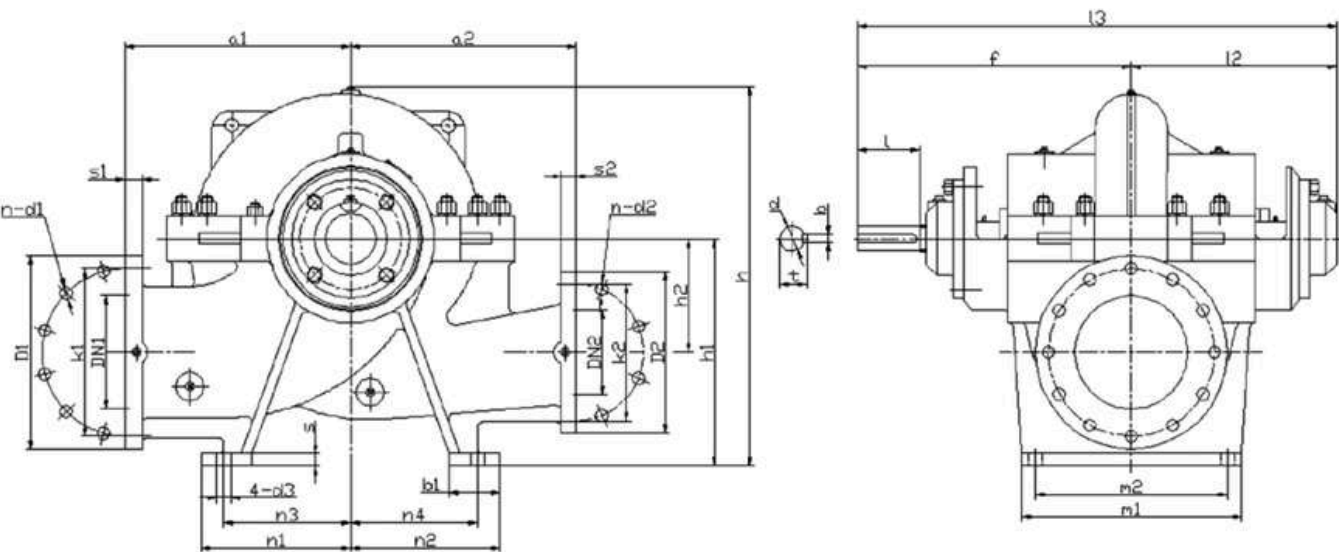
Split Case Performance Curves



SCP4 150/ 630F - 3000 GPM

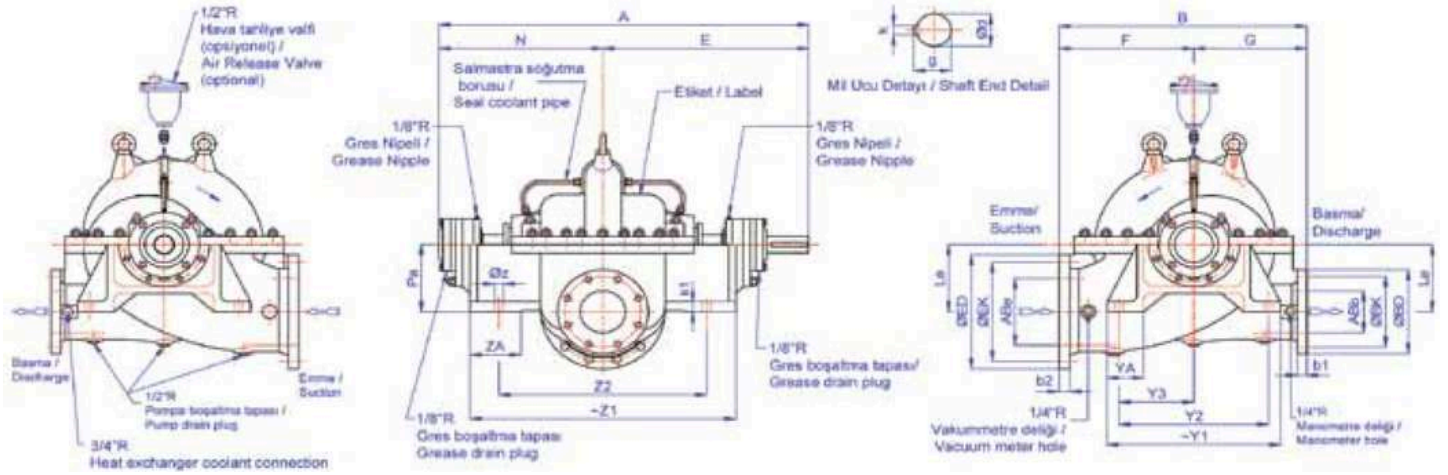


Dimensions



Code	Model	DNs	DNd	a1	a2	f	l2	l3	h	h1	h2	m1	m2	n1	n2	n3	n4	b1	d3	s	d	b	l	t	kg
1	SCP 100/400	150	100	382	380	385	320	705	620	355	170	320	270	235	235	200	200	75	ø25	22	ø39	12	80	42,3	270
2	SCP 125/320	200	125	382	380	485	365	850	635	400	200	390	340	265	265	225	225	90	ø25	22	ø44	12	110	47,3	322
3	SCP 125/390	200	125	382	380	485	875	875	665	400	200	390	340	265	265	225	225	90	ø25	22	ø44	12	110	47,3	342
4	SCP 150/300	200	150	412	412	485	875	875	660	400	210	390	340	265	265	225	225	90	ø25	22	ø44	12	110	47,3	355
5	SCP 150/355	200	150	412	412	485	875	875	670	400	200	390	340	265	265	225	225	90	ø25	22	ø49	14	110	52,8	385

UL Listed Split-Case Pumps Dimensions Table



Pump Model	ABb	ABe	N	E	A	F	G	B	Pa	Le	Z1	Z2	ZA	Y1	Y2	Y3	YA	k1	Øz	ØBD	ØBK	Hole Piece x Ø	b1	ØED	ØEK	Hole Piece x Ø	b2	Ød	k	g
SCP 100/250	100	150	370	485	855	330	218	548	285	190	325	285	-	325	225	150	95	16	23	279.4	234.95	8 x Ø22	26	342.9	298.45	8 x Ø22	30	42	12	45
SCP 125/300	125	200	450	565	1015	370	310	680	200	200	730	570	140	475	410	205	100	30	23	279.4	234.95	8 x Ø22	26	342.9	294.45	8 x Ø22	30	48	14	51.5
SCP4 150/630	150	250	555	705	1260	600	450	1050	245	350	864	710	170	500	420	210	115	35	28	318	270	12 x Ø22	37	406.4	362	12 x Ø26	30	62	18	66
SCP4 150/630F	150	250	555	705	1260	600	450	1050	245	350	864	710	170	500	420	210	115	35	28	318	270	12 x Ø22	37	406.4	362	12 x Ø26	30	65	18	69

UL Listed Split-Case Pumps Material List

PARTS NO	COMPONENT DESCRIPTION	STANDARD MATERIAL	ALTERNATIVE MATERIAL-1	ALTERNATIVE MATERIAL-2
102.1	CASING	GGG40	GGG40	DUPLEX
102.2	COVER	GGG40	GGG40	DUPLEX
210	SHAFT	AISI420	AISI420	DUPLEX
225.1	BEARING RING INTERNAL	GG25	GG25	GG25
225.2	BEARING RING EXTERNAL	GG25	GG25	GG25
234	IMPELLER	AISI316	GCuSn10	DUPLEX
340.1	BEARING HOUSING	GGG40	GGG40	GG25
360.1	BEARING COVER-MOTOR SIDE	GG25	GG25	GG25
360.2	BEARING COVER-CLOSED SIDE	GG25	GG25	GG25
360.3	BEARING COVER-INSIDE	GG25	GG25	GG25
452	GLAND	AISI316	GCuSn10	DUPLEX
458	LANTERN RING	GCuSn10	GCuSn10	DUPLEX
502	WEAR RING	RG5	GCuSn10	DUPLEX
507	WATER THROWER	RUBBER	RUBBER	RUBBER
526	SHAFT SLEEVE	AISI316	AISI316	AISI316
542	STUFFING BOX BUSHING	GGG40	GGG40	DUPLEX
260	CENTERING TAPER PIN	AISI304	AISI304	AISI304
591	GUARD PLATE	STEEL	STEEL	STEEL

Explanation:

Standard Material : It is the standart materials.

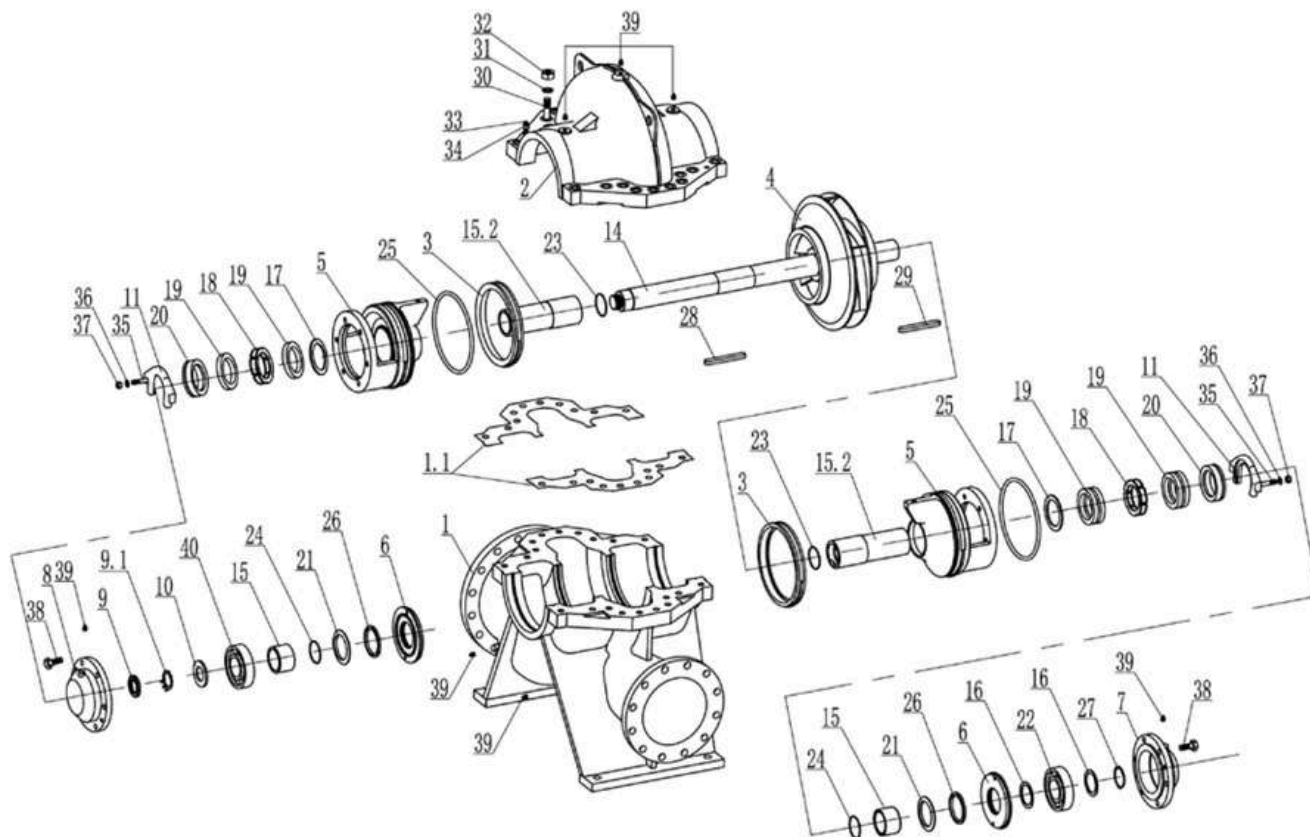
Alternative Material-1 and Alternative Material-2: It is the optional material list.



Sectional Parts of Split-Case Pumps

Parts No	Part Name
102.1	Casing
102.2	Cover
210	Shaft
225.1	Bearing Ring-Inner
225.2	Bearing Ring-External
234	Impeller
320	Bearing
340.1	Bearing Housing
360.1	Bearing Cover-Motor side
360.2	Bearing Cover-Closed side
360.3	Bearing Cover-Inside
400	O-Ring
412.1	Liquid Gasket
412.2	O-Ring
420.1	Oil Seal
420.2	Oil Seal
452	Gland
458	Lantern Ring
461	Packing Seal
502	Wear Ring
507	Water Thrower
526	Shaft Sleeve
542	Stuffing Box Bushing
560	Centering taper pin
565	Rivet
591	Guard Plate
636	Grease Nipple
703	Pipe
730.1	Nipple
743	Globe Valve
900	Lifting Eye
901.1	Bolt
901.2	Bolt
901.3	Bolt
902.1	Stud
902.2	Stud
902.3	Stud
903.1	Plug
903.2	Plug
903.3	Plug
903.4	Plug
921.1	Nut KM
921.2	Nut KM
930.4	Washer MB
940.1	Key
940.2	Key
970	Pump Label

List of Parts



Code	Part Name	Q'ty	Material	Code	Part Name	Q'ty	Material
1	Casing-Bottom	1	HT250 QT400-15	19	Gland	6	Graphite Gland
1.1	Casing Gasket	1 set	Rubber Paper	20	Packing Cover	2	Brass
2	Casing-Top	1	HT250 QT400-15	21	Slinger	2	Nitrile Rubber
3	Wear Ring	2	Brass	22	Bearing	1	NTN/NSK
4	Impeller	1	Bronze	23	O-ring	2	Viton
5	Seal Housing	2	HT250 QT400-15	24	O-ring	2	Viton
6	Bearing Cover	2	HT200	25	O-ring	2	Viton
7	Bearing Housing-Driver End	1	HT200	26	Felting	2	Felt
8	Bearing Housing-Non-Driver End	1	HT200	27	External Circlips	1	65Mn
9	Screw Nut	1	35	28	Key	1	304
9.1	Lock Washer for Nut	1	35	29	Key	1	45
10	Bearing Slinger	1	45	30	Screw Bolt	1 set	35
11	Seal Plate	2	QT400-15	31	Spring Washer	1 set	65Mn
14	Shaft	1	40Cr	32	Screw Nut	1 set	35
15	Shaft Sleeve-Short	2	304	33	Pin	2	35
15.2	Packing Shaft Sleeve	2	304	34	Screw Nut	2	35
16	Bearing Seal Plate	2	Q235(A)	35	Screw Bolt	4	304
17	Packing Seal Plate	2	2Cr13	36	Flat Gasket	4	304
18	Lantern Ring	2	Brass	37	Screw Nut	4	304
				38	Screw Bolt	1 set	35
				39	Plug	1 set	304
				40	Bearing	1	NTN/NSK



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