



C.R.I. PUMPS
Pumping trust... Worldwide.



ECP - PAPER / PULP & PROCESS PUMPS

An ISO 9001 & 14001 Company



* For specific models only.

T H E B E G I N N I N G

of C.R.I., way back in 1961, was a resolute attempt to produce a few irrigation equipments using the limited facilities of an in-house foundry. Eventually the founder's dream was coming true as the small production unit he started kept growing rapidly. Now, after more than five eventful decades, it is an enormous, widely reputed organization, which produces more than 2300 varieties of perfectly engineered pumps and motors and sells its products in numerous countries spread across 6 continents.

C . R . I . I S O N E A M O N G

the few pioneers in the world to produce 100% stainless steel submersible pumps. Having achieved a record production capacity of over 2 million pumps per annum, today C.R.I. is rubbing its shoulders with the best brands in the world, with advanced technology and safety standards as its hallmarks.

T H E I N F R A S T R U C T U R E

of C.R.I. is pretty comprehensive with state-of-the-art machineries and high potential in-house R&D recognised by the ministry of science and technology, Govt. of India - all within its own covered area of 300,000 square metres. The production environment is accredited with ISO 9001, ISO 14001 & OHSAS 18001 certifications and the products are CE, UR/UL, IEC, TSE & ISI certified. The R&D team always stays in tune with the changing scenario and seldom fails in coming up with outstanding solutions every time.

N E E D L E S S T O S A Y ,

behind this legendary growth lies the untiring, innovative, enthusiastic and dedicated team work. and, of course, a flawlessly maintained value system too. The name C.R.I. itself encapsulates the company's ethos: " Commitment, Reliability, Innovation".





Vision, Mission and Values

To be the industry leader providing best - in - class fluid management solutions to individual and institutional customers and societies in our chosen markets.

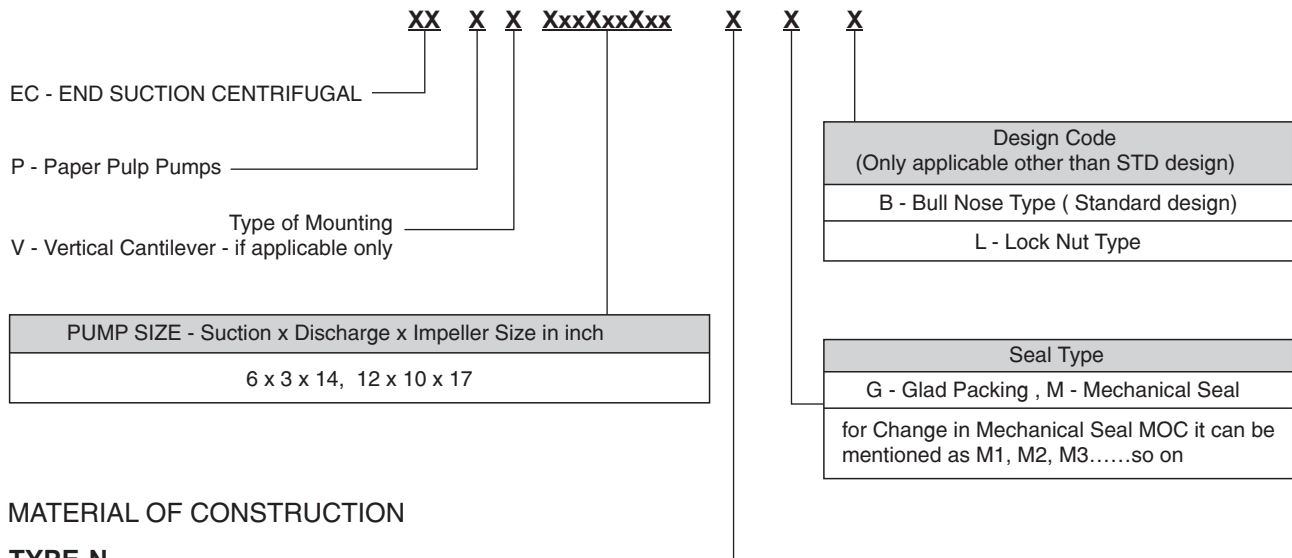
We will achieve this through our dedicated efforts to enhance the welfare of all our stakeholders and by living by our values of commitment, reliability and innovation.

C O N T E N T S

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GENERAL INFORMATION

MODEL IDENTIFICATION CODE



MATERIAL OF CONSTRUCTION

TYPE N

Parts Name	Material	EUROPEAN	DIN	SAE/AISI
Pump Casing	CF8M	X6CrNiMo 18 10	1.4408	ASTM A743 / A351 CF8M
Impeller	CF8M	X6CrNiMo 18 10	1.4408	ASTM A743 / A351 CF8M
Shaft	SS 316	X5CrNiMo 18 10	1.4401	ASTM A276 AISI 316
Shaft Sleeve	SS 316	X5CrNiMo 18 10	1.4401	ASTM A276 AISI 316
Side Plate	CF8M	X6CrNiMo 18 10	1.4408	ASTM A743 / A351 CF8M
Stuffing Box & Gland	CF8M	X6CrNiMo 18 10	1.4408	ASTM A743 / A351 CF8M
Bearing Housing & Connecting Frame	Cast Iron	EN-GJL-220	(0.6020) GG20	ASTM A48 class 30B

TYPE S

Parts Name	Material	EUROPEAN	DIN	SAE/AISI
Pump Casing	Cf8	X5CrNi18-9	1.4308	ASTM A743 / A351 CF8
Impeller	CF8	X5CrNi18-9	1.4308	ASTM A743 / A351 CF8
Shaft	SS 304	X5CrNi18-10	1.4301	ASTM A276 AISI 304
Shaft Sleeve	SS 410	X12Cr13	1.4006	ASTM A276 AISI 410
Side Plate	CF8	X5CrNi18-9	1.4308	ASTM A743 / A351 CF8
Stuffing Box & Gland	CF8	X5CrNi18-9	1.4308	ASTM A743 / A351 CF8
Bearing Housing & Connecting Frame	Cast Iron	EN-GJL-220	(0.6020) GG20	ASTM A48 class 30B

GENERAL INSTRUCTIONS

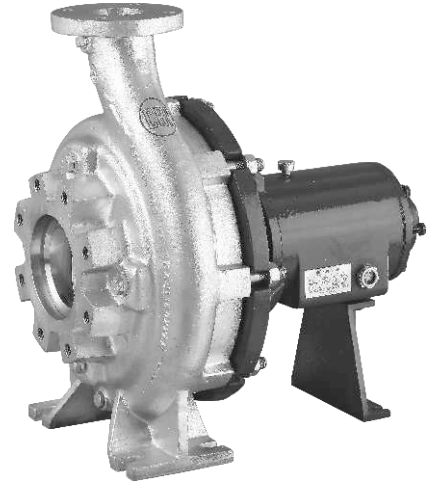
- Performance curves are as per specific gravity and viscosity of water.
- Performance curve tolerances are as per HI : 14.6 / ISO: 9906, Grade 2B
- For Safety consider a margin of 0.5m higher of NPSH.
- All dimensions are in mm

PAPER / PULP & PROCESS PUMPS – ECP SERIES

PERFORMANCE BEYOND TECHNOLOGY

DESCRIPTION

ECP series pumps are specially designed for pumping paper stock/pulp and food pulp up to 8% consistency. It can also be used as process pumps in pulp and paper mills. This pump is also designed for pumping liquors, filtrates, water, rejects, chemicals, additives, slurries, sludge and other liquids, which are typically pumped in paper making process. A semi open scallop cut impeller is used for pumping low viscous fluids without suspended solids and is easy to clean and maintain. Apart from the above, we can use these pumps for other industries like sugar, food and dairy industries.



DESIGN FEATURES

- Handle liquid upto 8% consistency.
- Fitted with semi open non clock impeller.
- Interchangeability of major spare parts for better inventory control
- Shims on DE bearing housing to adjust the clearance between impeller and wear plate.
- Different material options
- Gland and mechanical seal options

APPLICATIONS

- Liquor distilling and transfer
- Paper stock and pulp process
- De-inking process
- Food pulp with suspended solids
- Edible oil industries
- Mill juice and syrup transfer in sugar mills
- Dairy industries

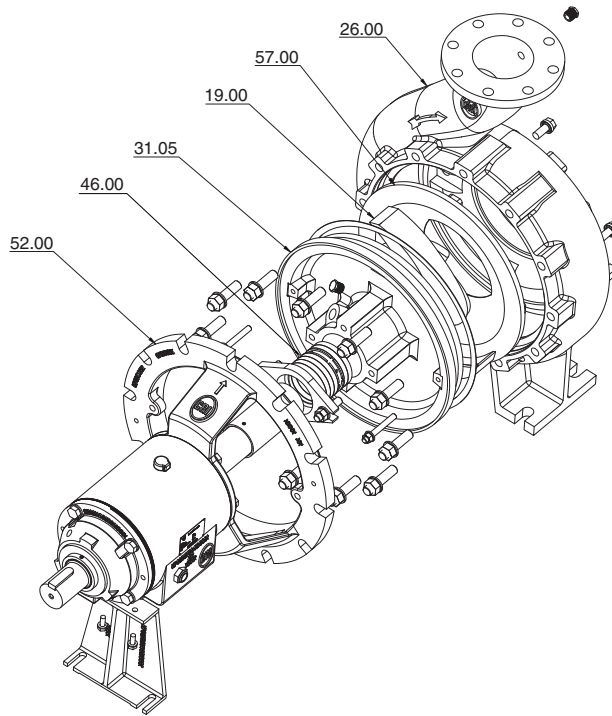
TECHNICAL SPECIFICATIONS

Power	:	upto 315kW
Flow	:	upto 3100m ³ /hr
Head	:	upto 100m
Speed	:	720 / 960 / 1450 rpm
Consistency	:	upto 8%
Maximum Solid Size	:	upto 95%
Maximum Working Pressure	:	16 bar
Maximum Liquid Temperature	:	-10°C to 90°C

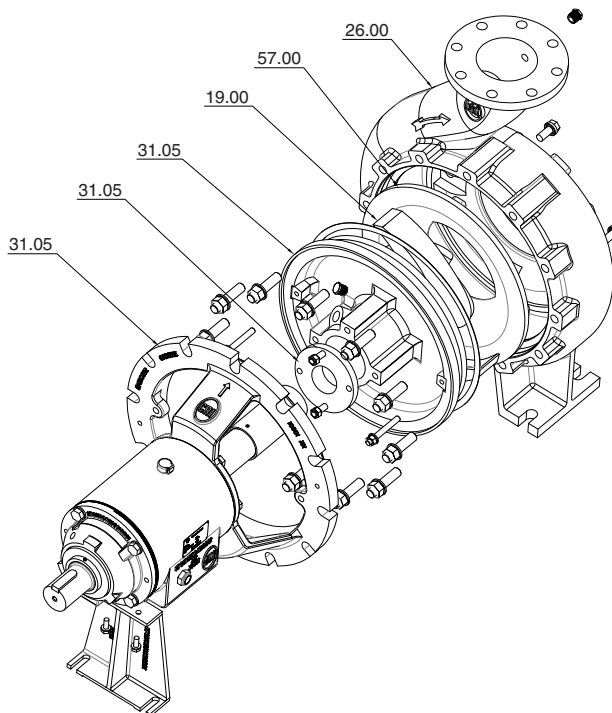
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EXPLODED VIEW

GLAND PACKING CONSTRUCTION



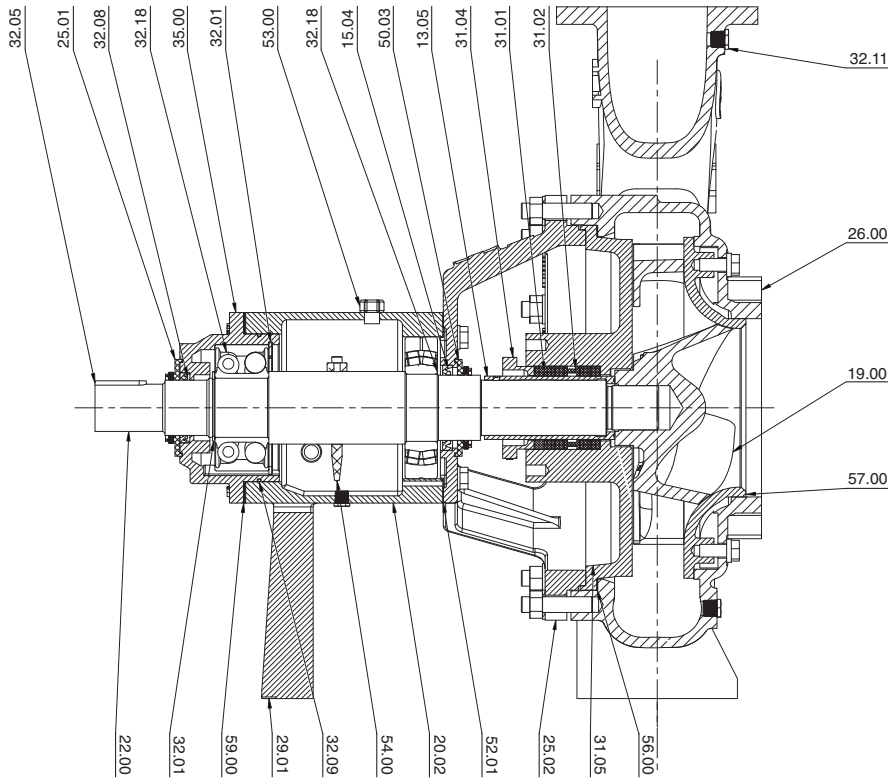
MECHANICAL SEAL CONSTRUCTION



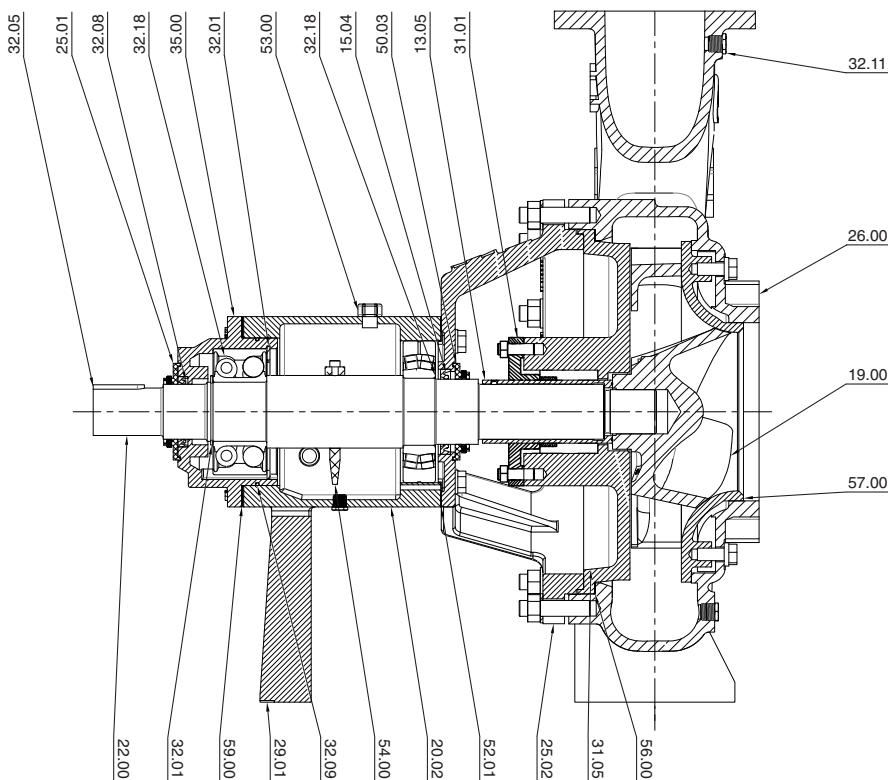
P. No.	Part Name
52.00	Connecting Frame
60.00	Mechanical Seal
31.05	Stuffing Box
19.00	Impeller
57.00	Side Plate
26.00	Casing
46.00	Gland Packing

CROSS SECTIONAL DRAWING

GLAND PACKING CONSTRUCTION



MECHANICAL SEAL CONSTRUCTION



P. No.	Part Name
26.00	Casing
22.00	Shaft
19.00	Impeller
13.05	Sleeve Shaft
31.05	Stuffing Box
32.05	Parallel Key
32.18	Double Row Angular Contact Ball Bearing
32.01	Circlip External
35.00	Housing Bearing
32.01	Circlip Internal
32.09	'O' Ring
20.02	Bearing Frame
32.18	Spherical Roller Bearing
52.01	Gasket Connecting Frame
25.02	Connecting Frame
53.00	Breather Nut
25.01	Deflector
32.08	Oil Seal
54.00	Thrower
31.01	Packing / Mechanical Seal
31.02	Ring Lantern
31.04	Gland
56.00	Gasket Casing
57.00	Side Plate
29.01	Frame Support
59.00	Shim
32.11	Hex. Plug

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INTERCHANGEABILITY CHART

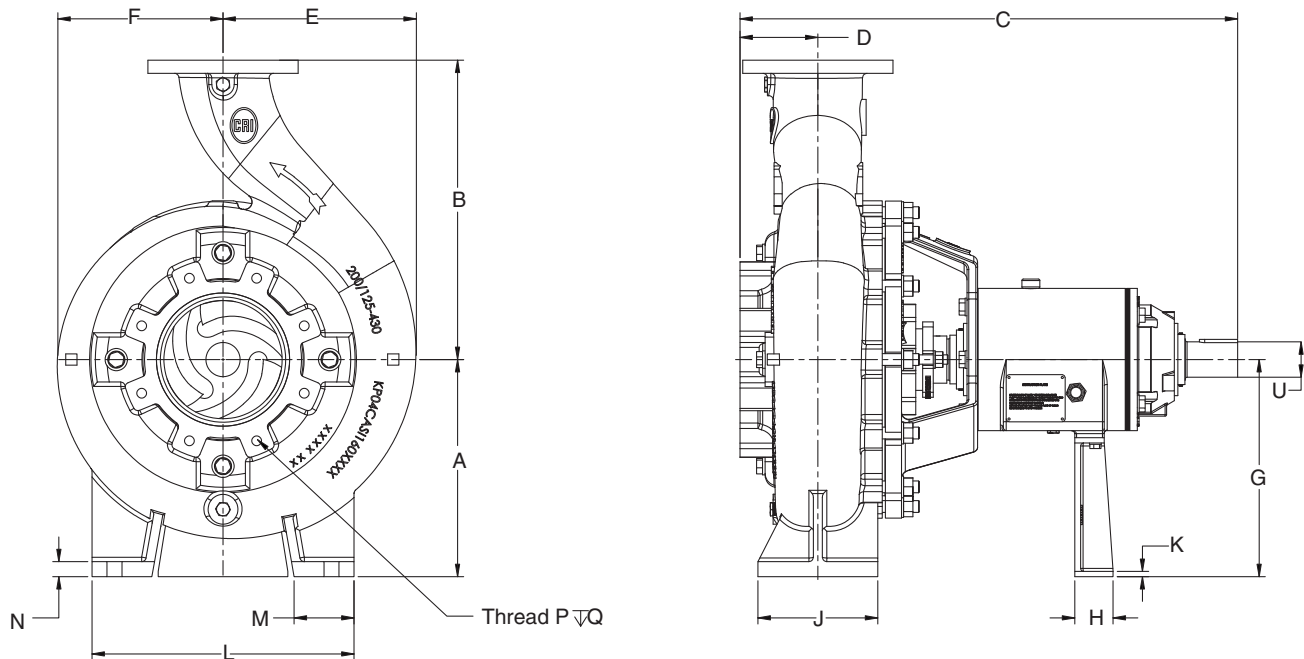
Part Name	6 x 3 x 14 (150 x 80 x 350)	6 x 4 x 14 (150 x 100 x 350)	8 x 4 x 17 (200 x 100 x 430)	8 x 5 x 17 (200 x 125 x 430)	8 x 6 x 21 (200 x 150 x 430)	10 x 8 x 21 (250 x 200 x 430)	12 x 10 x 17 (300 x 250 x 430)	8 x 6 x 21 (200 x 150 x 530)	10 x 8 x 21 (250 x 200 x 530)	14 x 12 x 21 (355 x 300 x 530)	16 x 14 x 21 (400 x 355 x 530)
Casing											
Casing Side Flate											
Impeller											
Stuffing Box											
Frame Assembly											

MODULAR INTERCHANGABILITY

Shaft & Bearing data	Frame - I	Frame - II	Frame - III
Shaft Diameter (mm)	-	-	-
At Coupling	Ø42	Ø60	Ø90
At 'NDE' Bearing	60	85	120
At 'DE' Bearing	50	75	110
Between bearings	63.5	92.1	122.2
Under Sleeve	45	69.82	114.27
Stuffing box dimensions (mm)	-	-	-
Shaft sleeve Outer Diameter	55	80	135
Stuffing Box Bore diameter	80.5	105.5	173
Stuffing Box Bore diameter	88	93	134.5
Shaft Lengths (mm)	-	-	-
Impeller end of shaft to 'NDE' Bearing	270.2	321.3	406.3
Between bearings	152.4	172.7	335.8
'DE' Bearing. To Coupling end	170.1	220.2	282.9
Bearings	-	-	-
'NDE'	21312	21317	22224
'DE'	5310	5315	5222
Keyway at Coupling (mm)	-	-	-
Width	12	18	25
Depth	5	7	9
Length	50	56	100
Shaft Thread at Impeller	M36x3 RH	M56x3 RH	M90x6 RH

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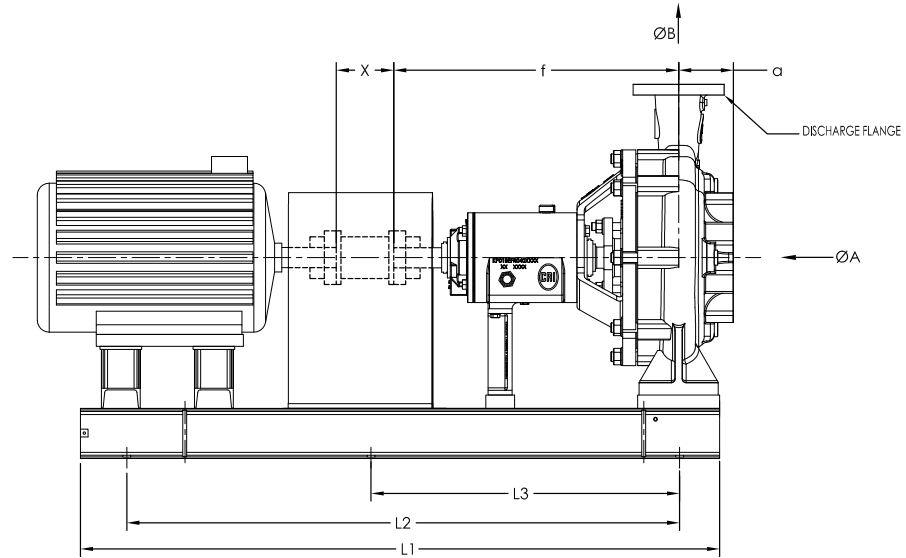
MOUNTING DIMENSION -PUMP



	Pump Size in inch (mm)														
	6 x 3 x 14 (150 x 80 x 350)	6 x 4 x 14 (150 x 100 x 350)	8 x 4 x 17 (200 x 100 x 430)	8 x 5 x 17 (200 x 125 x 430)	8 x 6 x 21 (200 x 150 x 430)	10 x 8 x 21 (250 x 200 x 430)	12 x 10 x 17 (300 x 250 x 430)	8 x 6 x 21 (200 x 150 x 530)	10 x 8 x 21 (250 x 200 x 530)	14 x 12 x 21 (355 x 300 x 530)	16 x 14 x 21 (400 x 355 x 530)	3 x 2.5 x 10 (80 x 65 x 260)	3 x 2.5 x 11 (80 x 65 x 280)	4 x 3 x 10 (100 x 80 x 260)	4 x 3 x 11 (100 x 80 x 285)
A	279.4	279.4	368.3	368.3	368.3	431.8	431.8	431.8	431.8	546.1	609.6	210	210	220	210
B	362	362	558.8	506.4	508	558.8	616.6	660.4	711.2	812.8	863.6	300	300	350	300
C	689.2	695.5	827.4	844.5	867.4	871.9	750.29	1169.5	1177.5	1222.9	1287.25	467	464.5	469	464.5
D	114.3	114.3	128.4	132.1	139.7	139.2	176.3	152.4	154.9	177.8	244.3	113	110.5	115	110.5
E	245.4	248.4	363.1	320	311.7	403.1	335.7	430.1	461	562.9	454.1	186	190	214	190
F	225	225	305	284.3	379.8	310.8	464.2	364.8	377.5	414.5	639.3	169	176	177.8	176
G	279.3	279.3	370.3	370.3	368.3	370.3	370.1	433.8	433.8	433.8	431.8	210	210	220	210
H	50	50	65	65	65	65	64	70	70	70	70	40	40	40	40
J	165.1	165.1	203.2	203.2	203.2	203.2	233.1	254	254	254	258.7	110	110	110	110
K	9.9	9.9	9.9	9.9	9.9	9.9	9.9	15	15	15	15	10	10	10	10
L	355.6	355.6	444.5	444.5	435.5	444.5	444.5	609.6	685.8	685.8	685.8	250	250	280	250
M	76.2	76.2	101.6	101.6	101.6	101.6	101.6	152.4	152.4	152.4	152.4	59	59	59	59
N	19.1	19.1	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	12	12	12	12
P	M20x2.5	M20x2.5	M20x2.5	M20x2.5	M20x2.5	M20x2.5	M20x2.5	M20x2.5	M20x2.5	M20x2.5	M20x2.5	N/A	N/A	N/A	N/A
Q	35	35	33	30	25	30	25	33	30	33	33	N/A	N/A	N/A	N/A
U	42	42	60	60	60	60	60	90	90	90	90	22.2	22.2	22.2	22.2

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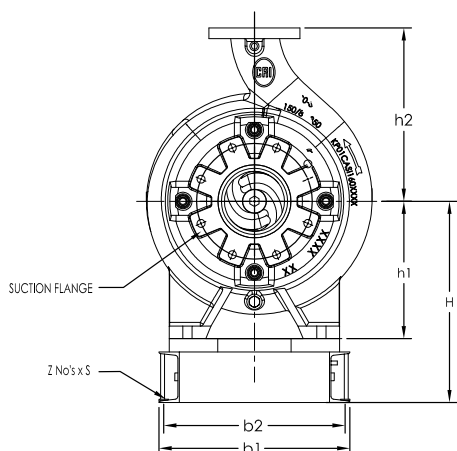
MOUNTING DIMENSION -PUMP SET



Pump Model	Motor rating (kW)			Motor Frame Size	Suction Flange details				Delivery Flange details				
	720 rpm	960 rpm	1450 rpm		Nominal Size (Ø A)	Pitch Circle Diameter	No. of Holes	Hole Diameter	Nominal Size (Ø B)	Pitch Circle Diameter	No. of Holes	Hole Diameter	
ECP	6x3x14	2.2	-	-	132S	150	241.3	8	M20X2.5	80	152.4	4	19.1
	6x3x14	1.5	-	-	112M	150	241.3	8	M20X2.5	80	152.4	4	19.1
	6x3x14	1.1	-	-	100L	150	241.3	8	M20X2.5	80	152.4	4	19.1
	6x3x14	-	7.5	-	160M	150	241.3	8	M20X2.5	80	152.4	4	19.1
	6x3x14	-	5.5	-	132M	150	241.3	8	M20X2.5	80	152.4	4	19.1
	6x3x14	-	3.7	-	132S	150	241.3	8	M20X2.5	80	152.4	4	19.1
	6x3x14	-	2.2	-	112M	150	241.3	8	M20X2.5	80	152.4	4	19.1
	6x3x14	-	-	22	180L	150	241.3	8	M20X2.5	80	152.4	4	19.1
	6x3x14	-	-	15	160L	150	241.3	8	M20X2.5	80	152.4	4	19.1
ECP	6x4x14	-	-	9.3	160M	150	241.3	8	M20X2.5	80	152.4	4	19.1
	6x4x14	-	-	7.5	132M	150	241.3	8	M20X2.5	80	152.4	4	19.1
	6x4x14	5.5	-	-	160M	150	241.3	8	M20X2.5	100	190.5	8	19.1
	6x4x14	3.7	-	-	132M	150	241.3	8	M20X2.5	100	190.5	8	19.1
	6x4x14	2.2	-	-	132S	150	241.3	8	M20X2.5	100	190.5	8	19.1
	6x4x14	1.5	-	-	112M	150	241.3	8	M20X2.5	100	190.5	8	19.1
	6x4x14	-	9.3	-	160L	150	241.3	8	M20X2.5	100	190.5	8	19.1
	6x4x14	-	7.5	-	160M	150	241.3	8	M20X2.5	100	190.5	8	19.1
	6x4x14	-	5.5	-	132M	150	241.3	8	M20X2.5	100	190.5	8	19.1
	6x4x14	-	3.7	-	132S	150	241.3	8	M20X2.5	100	190.5	8	19.1
	6x4x14	-	-	37	225SX	150	241.3	8	M20X2.5	100	190.5	8	19.1
	6x4x14	-	-	30	200L	150	241.3	8	M20X2.5	100	190.5	8	19.1
	6x4x14	-	-	18.5	180M	150	241.3	8	M20X2.5	100	190.5	8	19.1
ECP	8x4x17	-	-	15	160L	150	241.3	8	M20X2.5	100	190.5	8	19.1
	8x4x17	9.3	-	-	180M	200	298.5	8	M20X2.5	100	190.5	8	19.1
	8x4x17	7.5	-	-	160L	200	298.5	8	M20X2.5	100	190.5	8	19.1
	8x4x17	5.5	-	-	160M	200	298.5	8	M20X2.5	100	190.5	8	19.1
	8x4x17	3.7	-	-	132M	200	298.5	8	M20X2.5	100	190.5	8	19.1
	8x4x17	-	22	-	200L	200	298.5	8	M20X2.5	100	190.5	8	19.1
	8x4x17	-	18.5	-	200L	200	298.5	8	M20X2.5	100	190.5	8	19.1
	8x4x17	-	15	-	180L	200	298.5	8	M20X2.5	100	190.5	8	19.1
	8x4x17	-	11	-	160L	200	298.5	8	M20X2.5	100	190.5	8	19.1
	8x4x17	-	9.3	-	160L	200	298.5	8	M20X2.5	100	190.5	8	19.1
	8x4x17	-	7.5	-	160M	200	298.5	8	M20X2.5	100	190.5	8	19.1
	8x4x17	-	-	75	280SX	200	298.5	8	M20X2.5	100	190.5	8	19.1
	8x4x17	-	-	45	225MX	200	298.5	8	M20X2.5	100	190.5	8	19.1
	8x4x17	-	-	37	225SX	200	298.5	8	M20X2.5	100	190.5	8	19.1
	8x4x17	-	-	30	200L	200	298.5	8	M20X2.5	100	190.5	8	19.1
	ECP	8x5x17	-	-	22	180L	200	298.5	8	M20X2.5	100	190.5	8
8x5x17		15	-	-	200L	200	298.5	8	M20X2.5	125	215.9	8	22.2
8x5x17		11	-	-	180L	200	298.5	8	M20X2.5	125	215.9	8	22.2
8x5x17		9.3	-	-	180M	200	298.5	8	M20X2.5	125	215.9	8	22.2
8x5x17		7.5	-	-	160L	200	298.5	8	M20X2.5	125	215.9	8	22.2
8x5x17		5.5	-	-	160M	200	298.5	8	M20X2.5	125	215.9	8	22.2

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MOUNTING DIMENSION -PUMP SET



a	f	h1	h2	H	b1	L1	b2	L2	L3	Z No's	S	X
114.3	574.9	279.4	362	374	370	1150±5	348	990	495	6	16	140
114.3	574.9	279.4	362	374	370	1110±5	348	950	475	6	14	140
114.3	574.9	279.4	362	374	370	1130±5	348	970	485	6	14	140
114.3	574.9	279.4	362	374	370	1266±5	348	1066	533	6	14	140
114.3	574.9	279.4	362	374	370	1195±5	348	1035	517.5	6	14	140
114.3	574.9	279.4	362	374	370	1150±5	348	990	495	6	14	140
114.3	574.9	279.4	362	374	370	1110±5	348	950	475	6	14	140
114.3	574.9	279.4	362	374	390	1360±5	360	1200	600	6	14	140
114.3	574.9	279.4	362	374	370	1320±5	348	1160	580	6	14	140
114.3	574.9	279.4	362	374	370	1275±5	348	1115	557.5	6	14	140
114.3	574.9	279.4	362	374	370	1195±5	348	1035	517.5	6	14	140
114.3	581.2	279.4	362	374	370	1190±5	348	1030	515	6	14	140
114.3	581.2	279.4	362	374	370	1190±5	348	1030	515	4	14	140
114.3	581.2	279.4	362	374	370	1160±5	348	1000	500	6	14	140
114.3	581.2	279.4	362	374	370	1120±5	348	960	480	6	14	140
114.3	581.2	279.4	362	399	390	1325±5	360	1165	582.5	6	14	140
114.3	581.2	279.4	362	374	370	1270±5	348	1110	555	6	14	140
114.3	581.2	279.4	362	374	370	1190±5	348	1030	515	6	14	140
114.3	581.2	279.4	362	374	370	1160±5	348	1000	500	6	14	140
114.3	581.2	279.4	362	399	410	1420±5	380	1260	630	6	14	140
114.3	581.2	279.4	362	399	390	1405±5	360	1245	622.5	6	14	140
114.3	581.2	279.4	362	399	390	1325±5	360	1165	582.5	6	14	140
114.3	581.2	279.4	362	399	390	1325±5	360	1165	582.5	6	14	140
128.4	699	368.3	558.8	488	478	1550±5	448	1390	695	6	14	200
128.4	699	368.3	558.8	488	478	1545±5	448	1385	692.5	6	14	200
128.4	699	368.3	558.8	488	478	1505±5	448	1345	672.5	6	14	200
128.4	699	368.3	558.8	488	478	1425±5	448	1265	632.5	6	14	200
128.4	699	368.3	558.8	488	478	1625±5	448	1465	732.5	6	14	200
128.4	699	368.3	558.8	488	478	1625±5	448	1465	732.5	6	14	200
128.4	699	368.3	558.8	488	478	1585±5	448	1425	712.5	6	14	200
128.4	699	368.3	558.8	488	478	1550±5	448	1390	695	6	14	200
128.4	699	368.3	558.8	488	478	1550±5	448	1390	695	6	14	200
128.4	699	368.3	558.8	488	478	1505±5	448	1345	672.5	6	14	200
128.4	699	368.3	558.8	513	538	1785±5	508	1626	542	8	18	200
128.4	699	368.3	558.8	488	478	1680±5	448	1520	760	6	14	200
128.4	699	368.3	558.8	513	538	1665±5	508	1506	502	8	16	200
128.4	699	368.3	558.8	488	478	1625±5	448	1465	732.5	6	14	200
128.4	699	368.3	558.8	488	478	1585±5	448	1425	712.5	6	14	200
132	712.5	368.3	508	488	478	1635±5	448	1475	737.5	6	14	200
132	712.5	368.3	508	488	478	1575±5	448	1415	707.5	6	14	200
132	712.5	368.3	508	488	478	1540±5	448	1380	690	6	14	200
132	712.5	368.3	508	488	478	1540±5	448	1380	690	6	14	200
132	712.5	368.3	508	488	478	1495±5	448	1335	667.5	6	14	200
132	712.5	368.3	508	488	478	1745±5	448	1584	528	8	18	200

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MOUNTING DIMENSION -PUMP SET

Pump Model		Motor rating (kW)			Motor Frame Size	Suction Flange details				Delivery Flange details			
		720 rpm	960 rpm	1450 rpm		Nominal Size (Ø A)	Pitch Circle Diameter	No. of Holes	Hole Diameter	Nominal Size (Ø B)	Pitch Circle Diameter	No. of Holes	Hole Diameter
ECP	8x5x17	-	30	-	225MX	200	298.5	8	M20X2.5	125	215.9	8	22.2
	8x5x17	-	22	-	200L	200	298.5	8	M20X2.5	125	215.9	8	22.2
	8x5x17	-	18.5	-	200L	200	298.5	8	M20X2.5	125	215.9	8	22.2
	8x5x17	-	15	-	180L	200	298.5	8	M20X2.5	125	215.9	8	22.2
	8x5x17	-	-	110	315SX	200	298.5	8	M20X2.5	125	215.9	8	22.2
	8x5x17	-	-	90	280MX	200	298.5	8	M20X2.5	125	215.9	8	22.2
	8x5x17	-	-	75	280SX	200	298.5	8	M20X2.5	125	215.9	8	22.2
	8x5x17	-	-	55	250MX	200	298.5	8	M20X2.5	125	215.9	8	22.2
	8x5x17	-	-	45	225MX	200	298.5	8	M20X2.5	125	215.9	8	22.2
8x5x17	-	-	37	225SX	200	298.5	8	M20X2.5	125	215.9	8	22.2	
ECP	8x6x17	22	-	-	225MX	200	298.5	8	M20X2.5	150	241.3	8	19.1
	8x6x17	18.5	-	-	225SX	200	298.5	8	M20X2.5	150	241.3	8	19.1
	8x6x17	15	-	-	200L	200	298.5	8	M20X2.5	150	241.3	8	19.1
	8x6x17	11	-	-	180L	200	298.5	8	M20X2.5	150	241.3	8	19.1
	8x6x17	9.3	-	-	180M	200	298.5	8	M20X2.5	150	241.3	8	19.1
	8x6x17	7.5	-	-	160L	200	298.5	8	M20X2.5	150	241.3	8	19.1
	8x6x17	-	45	-	280SX	200	298.5	8	M20X2.5	150	241.3	8	19.1
	8x6x17	-	37	-	250MX	200	298.5	8	M20X2.5	150	241.3	8	19.1
	8x6x17	-	30	-	225MX	200	298.5	8	M20X2.5	150	241.3	8	19.1
	8x6x17	-	22	-	200L	200	298.5	8	M20X2.5	150	241.3	8	19.1
	8x6x17	-	15	-	180L	200	298.5	8	M20X2.5	150	241.3	8	19.1
	8x6x17	-	11	-	160L	200	298.5	8	M20X2.5	150	241.3	8	19.1
	8x6x17	-	-	132	315MX	200	298.5	8	M20X2.5	150	241.3	8	19.1
	8x6x17	-	-	110	315SX	200	298.5	8	M20X2.5	150	241.3	8	19.1
	8x6x17	-	-	90	280MX	200	298.5	8	M20X2.5	150	241.3	8	19.1
	8x6x17	-	-	75	280SX	200	298.5	8	M20X2.5	150	241.3	8	19.1
	8x6x17	-	-	55	250MX	200	298.5	8	M20X2.5	150	241.3	8	19.1
8x6x17	-	-	45	225MX	200	298.5	8	M20X2.5	150	241.3	8	19.1	
8x6x17	-	-	37	225SX	200	298.5	8	M20X2.5	150	241.3	8	19.1	
ECP	10x8x17	18.5	-	-	225SX	250	362	12	M20X2.5	200	298.5	8	22.2
	10x8x17	15	-	-	200L	250	362	12	M20X2.5	200	298.5	8	22.2
	10x8x17	9.3	-	-	180M	250	362	12	M20X2.5	200	298.5	8	22.2
	10x8x17	7.5	-	-	160L	250	362	12	M20X2.5	200	298.5	8	22.2
	10x8x17	-	45	-	280SX	250	362	12	M20X2.5	200	298.5	8	22.2
	10x8x17	-	37	-	250MX	250	362	12	M20X2.5	200	298.5	8	22.2
	10x8x17	-	30	-	225MX	250	362	12	M20X2.5	200	298.5	8	22.2
	10x8x17	-	22	-	200L	250	362	12	M20X2.5	200	298.5	8	22.2
	10x8x17	-	18.5	-	200L	250	362	12	M20X2.5	200	298.5	8	22.2
	10x8x17	-	-	160	315LX	250	362	12	M20X2.5	200	298.5	8	22.2
	10x8x17	-	-	132	315MX	250	362	12	M20X2.5	200	298.5	8	22.2
	10x8x17	-	-	90	280MX	250	362	12	M20X2.5	200	298.5	8	22.2
	10x8x17	-	-	75	280SX	250	362	12	M20X2.5	200	298.5	8	22.2
10x8x17	-	-	55	250MX	250	362	12	M20X2.5	200	298.5	8	22.2	
ECP	12x10x17	30	-	-	250MX	300	431.8	12	M20X2.5	250	362	12	25.4

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MOUNTING DIMENSION -PUMP SET

a	f	h1	h2	H	b1	L1	b2	L2	L3	Z No's	S	X
132	712.5	368.3	508	488	478	1690±5	448	1530	510	8	18	200
132	712.5	368.3	508	488	478	1635±5	448	1475	737.5	6	14	200
132	712.5	368.3	508	488	478	1635±5	448	1475	737.5	6	14	200
132	712.5	368.3	508	488	478	1595±5	448	1435	717.5	6	14	200
132	712.5	368.3	508	513	573	1913±5	543	1752	584	8	18	200
132	712.5	368.3	508	513	523	1845±5	493	1686	562	8	18	200
132	712.5	368.3	508	513	523	1795±5	493	1635	545	8	18	200
132	712.5	368.3	508	488	478	1750±5	448	1590	530	8	18	200
132	712.5	368.3	508	488	478	1690±5	448	1530	510	8	18	200
132	712.5	368.3	508	488	478	1665±5	448	1506	502	8	18	200
139.5	727.9	368.3	508	488	478	1695±5	448	1536	512	8	18	200
139.5	727.9	368.3	508	488	478	1650±5	448	1491	497	8	18	200
139.5	727.9	368.3	508	488	478	1640±5	448	1480	740	6	14	200
139.5	727.9	368.3	508	488	478	1605±5	448	1445	722.5	6	14	200
139.5	727.9	368.3	508	488	478	1570±5	448	1410	705	6	14	200
139.5	727.9	368.3	508	488	478	1570±5	448	1410	705	6	14	200
139.5	727.9	368.3	508	513	508	1780±5	478	1620	540	8	18	200
139.5	727.9	368.3	508	488	478	1750±5	448	1590	530	8	18	200
139.5	727.9	368.3	508	488	478	1700±5	448	1539	513	8	18	200
139.5	727.9	368.3	508	488	478	1645±5	448	1486	743	6	14	200
139.5	727.9	368.3	508	488	478	1605±5	448	1445	722.5	6	14	200
139.5	727.9	368.3	508	488	478	1570±5	448	1410	705	6	14	200
139.5	727.9	368.3	508	513	548	1925±5	518	1764	588	8	18	200
139.5	727.9	368.3	508	513	548	1875±5	518	1716	572	8	18	200
139.5	727.9	368.3	508	513	508	1830±5	478	1671	557	8	18	200
139.5	727.9	368.3	508	513	508	1780±5	478	1620	540	8	18	200
139.5	727.9	368.3	508	488	478	1750±5	448	1590	530	8	18	200
139.5	727.9	368.3	508	488	478	1695±5	448	1536	512	8	18	200
139.5	727.9	368.3	508	488	478	1670±5	448	1509	503	8	18	200
139.5	732.4	431.8	558.8	552	478	1685±5	448	1524	508	8	18	200
139.5	732.4	431.8	558.8	552	478	1655±5	448	1494	498	8	18	200
139.5	732.4	431.8	558.8	552	478	1560±5	448	1400	700	6	14	200
139.5	732.4	431.8	558.8	552	478	1560±5	448	1400	700	6	14	200
139.5	732.4	431.8	558.8	577	528	1815±5	498	1656	552	8	18	200
139.5	732.4	431.8	558.8	577	508	1775±5	478	1614	538	8	18	200
139.5	732.4	431.8	558.8	552	478	1710±5	448	1551	517	8	18	200
139.5	732.4	431.8	558.8	552	478	1655±5	448	1494	498	8	18	200
139.5	732.4	431.8	558.8	552	478	1655±5	448	1494	498	8	18	200
139.5	732.4	431.8	558.8	577	573	2015±5	543	1854	618	8	18	200
139.5	732.4	431.8	558.8	577	573	1965±5	543	1806	602	8	18	200
139.5	732.4	431.8	558.8	577	528	1870±5	498	1710	570	8	18	200
139.5	732.4	431.8	558.8	577	528	1815±5	498	1656	552	8	18	200
139.5	732.4	431.8	558.8	577	508	1780±5	478	1620	540	8	18	200
176.3	751.7	431.8	616.6	577	506	1770±5	476	1611	537	8	18	200

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MOUNTING DIMENSION -PUMP SET

Pump Model		Motor rating (kW)			Motor Frame Size	Suction Flange details				Delivery Flange details			
		720 rpm	960 rpm	1450 rpm		Nominal Size (Ø A)	Pitch Circle Diameter	No. of Holes	Hole Diameter	Nominal Size (Ø B)	Pitch Circle Diameter	No. of Holes	Hole Diameter
ECP	12x10x17	22	-	-	225MX	300	431.8	12	M20X2.5	250	362	12	25.4
	12x10x17	18.5	-	-	225SX	300	431.8	12	M20X2.5	250	362	12	25.4
	12x10x17	15	-	-	200L	300	431.8	12	M20X2.5	250	362	12	25.4
	12x10x17	-	75	-	315SX	300	431.8	12	M20X2.5	250	362	12	25.4
	12x10x17	-	55	-	280MX	300	431.8	12	M20X2.5	250	362	12	25.4
	12x10x17	-	45	-	280SX	300	431.8	12	M20X2.5	250	362	12	25.4
	12x10x17	-	30	-	225MX	300	431.8	12	M20X2.5	250	362	12	25.4
	12x10x17	-	-	250	355MX	300	431.8	12	M20X2.5	250	362	12	25.4
	12x10x17	-	-	200	315LX	300	431.8	12	M20X2.5	250	362	12	25.4
	12x10x17	-	-	160	315LX	300	431.8	12	M20X2.5	250	362	12	25.4
12x10x17	-	-	132	315MX	300	431.8	12	M20X2.5	250	362	12	25.4	
12x10x17	-	-	110	315SX	300	431.8	12	M20X2.5	250	362	12	25.4	
ECP	8x6x21	37	-	-	280SX	200	298.5	8	M20X2.5	150	241.3	8	19.1
	8x6x21	30	-	-	250MX	200	298.5	8	M20X2.5	150	241.3	8	19.1
	8x6x21	22	-	-	225MX	200	298.5	8	M20X2.5	150	241.3	8	19.1
	8x6x21	18.5	-	-	225SX	200	298.5	8	M20X2.5	150	241.3	8	19.1
	8x6x21	-	90	-	315MX	200	298.5	8	M20X2.5	150	241.3	8	19.1
	8x6x21	-	75	-	315SX	200	298.5	8	M20X2.5	150	241.3	8	19.1
	8x6x21	-	55	-	280MX	200	298.5	8	M20X2.5	150	241.3	8	19.1
	8x6x21	-	45	-	280SX	200	298.5	8	M20X2.5	150	241.3	8	19.1
	8x6x21	-	37	-	250MX	200	298.5	8	M20X2.5	150	241.3	8	19.1
	8x6x21	-	-	275	355LX	200	298.5	8	M20X2.5	150	241.3	8	19.1
	8x6x21	-	-	250	355MX	200	298.5	8	M20X2.5	150	241.3	8	19.1
	8x6x21	-	-	200	315LX	200	298.5	8	M20X2.5	150	241.3	8	19.1
8x6x21	-	-	160	315LX	200	298.5	8	M20X2.5	150	241.3	8	19.1	
8x6x21	-	-	132	315MX	200	298.5	8	M20X2.5	150	241.3	8	19.1	
ECP	10x8x21	45	-	-	280MX	250	362	12	M20X2.5	200	298.5	8	22.2
	10x8x21	37	-	-	280SX	250	362	12	M20X2.5	200	298.5	8	22.2
	10x8x21	22	-	-	225MX	250	362	12	M20X2.5	200	298.5	8	22.2
	10x8x21	15	-	-	200L	250	362	12	M20X2.5	200	298.5	8	22.2
	10x8x21	11	-	-	180L	250	362	12	M20X2.5	200	298.5	8	22.2
	10x8x21	-	110	-	315LX	250	362	12	M20X2.5	200	298.5	8	22.2
	10x8x21	-	90	-	315MX	250	362	12	M20X2.5	200	298.5	8	22.2
	10x8x21	-	75	-	315SX	250	362	12	M20X2.5	200	298.5	8	22.2
	10x8x21	-	55	-	280MX	250	362	12	M20X2.5	200	298.5	8	22.2
	10x8x21	-	45	-	280SX	250	362	12	M20X2.5	200	298.5	8	22.2
	10x8x21	-	-	315	355LX	250	362	12	M20X2.5	200	298.5	8	22.2
	10x8x21	-	-	275	355LX	250	362	12	M20X2.5	200	298.5	8	22.2
	10x8x21	-	-	225	355SX	250	362	12	M20X2.5	200	298.5	8	22.2
	10x8x21	-	-	200	315LX	250	362	12	M20X2.5	200	298.5	8	22.2
10x8x21	-	-	132	315MX	250	362	12	M20X2.5	200	298.5	8	22.2	
14x12x21	90	-	-	315LX	350	476.3	12	M24X3	300	431.8	12	25.4	
ECP	14x12x21	75	-	-	315MX	350	476.3	12	M24X3	300	431.8	12	25.4
	14x12x21	55	-	-	315SX	350	476.3	12	M24X3	300	431.8	12	25.4
	14x12x21	45	-	-	280MX	350	476.3	12	M24X3	300	431.8	12	25.4
	14x12x21	37	-	-	280SX	350	476.3	12	M24X3	300	431.8	12	25.4
	14x12x21	-	200	-	355MX	350	476.3	12	M24X3	300	431.8	12	25.4
	14x12x21	-	160	-	355SX	350	476.3	12	M24X3	300	431.8	12	25.4
	14x12x21	-	110	-	315LX	350	476.3	12	M24X3	300	431.8	12	25.4
	14x12x21	-	90	-	315MX	350	476.3	12	M24X3	300	431.8	12	25.4
	14x12x21	-	75	-	315SX	350	476.3	12	M24X3	300	431.8	12	25.4
	14x12x21	-	37	-	250MX	350	476.3	12	M24X3	300	431.8	12	25.4
	16x14x21	110	-	-	315LX	400	539.8	16	M24X3	350	476.3	12	28.6
	16x14x21	90	-	-	315LX	400	539.8	16	M24X3	350	476.3	12	28.6
	16x14x21	75	-	-	315MX	400	539.8	16	M24X3	350	476.3	12	28.6
	16x14x21	45	-	-	280MX	400	539.8	16	M24X3	350	476.3	12	28.6
	16x14x21	-	250	-	355LX	400	539.8	16	M24X3	350	476.3	12	28.6
	16x14x21	-	200	-	355MX	400	539.8	16	M24X3	350	476.3	12	28.6
	16x14x21	-	160	-	355SX	400	539.8	16	M24X3	350	476.3	12	28.6
	16x14x21	-	110	-	315LX	400	539.8	16	M24X3	350	476.3	12	28.6

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MOUNTING DIMENSION -PUMP SET

a	f	h1	h2	H	b1	L1	b2	L2	L3	Z No's	S	X
176.3	751.7	431.8	616.6	577	506	1710±5	476	1551	517	8	18	200
176.3	751.7	431.8	616.6	552	476	1675±5	446	1515	505	8	18	200
176.3	751.7	431.8	616.6	552	573	1650±5	543	1491	497	8	18	200
176.3	751.7	431.8	616.6	602	586	1940±5	546	1779	593	8	18	200
176.3	751.7	431.8	616.6	577	526	1880±5	496	1719	573	8	18	200
176.3	751.7	431.8	616.6	577	526	1830±5	496	1671	557	8	18	200
176.3	751.7	431.8	616.6	577	506	1730±5	476	1569	523	8	18	200
176.3	751.7	431.8	616.6	602	573	2170±5	543	2010	670	8	18	200
176.3	751.7	431.8	616.6	602	573	2040±5	543	1881	627	8	18	200
176.3	751.7	431.8	616.6	602	573	2040±5	543	1881	627	8	18	200
176.3	751.7	431.8	616.6	602	586	1990±5	556	1830	610	8	18	200
176.3	751.7	431.8	616.6	602	586	1940±5	556	1779	593	8	18	200
152.4	1017.1	431.8	660.4	577	648	2165±5	618	2004	668	8	18	250
152.4	1017.1	431.8	660.4	577	648	2120±5	618	1959	653	8	18	250
152.4	1017.1	431.8	660.4	577	648	2065±5	618	1905	635	8	18	250
152.4	1017.1	431.8	660.4	577	648	2040±5	638	1881	627	8	18	250
152.4	1017.1	431.8	660.4	602	573	2300±5	543	2169	723	8	18	250
152.4	1017.1	431.8	660.4	602	728	2330±5	698	2169	723	8	18	250
152.4	1017.1	431.8	660.4	577	648	2215±5	618	2055	685	8	18	250
152.4	1017.1	431.8	660.4	577	648	2165±5	618	2004	668	8	18	250
152.4	1017.1	431.8	660.4	577	648	2120±5	618	1959	653	8	18	250
152.4	1017.1	431.8	660.4	602	688	2580±5	658	2421	807	8	18	250
152.4	1017.1	431.8	660.4	602	728	2510±5	698	2349	783	8	18	250
152.4	1017.1	431.8	660.4	602	668	2380±5	638	2220	740	8	18	250
152.4	1017.1	431.8	660.4	602	668	2380±5	638	2220	740	8	18	250
152.4	1017.1	431.8	660.4	602	668	2330±5	638	2169	723	8	18	250
155	1022.5	431.8	711.2	577	724	2220±5	694	2061	687	8	18	250
155	1022.5	431.8	711.2	577	724	2170±5	694	2010	670	8	18	250
155	1022.5	431.8	711.2	577	724	2070±5	694	1911	637	8	18	250
155	1022.5	431.8	711.2	577	724	2020±5	694	1860	620	8	18	250
155	1022.5	431.8	711.2	577	724	1980±5	694	1821	607	8	18	250
155	1022.5	431.8	711.2	577	744	2380±5	714	2220	740	8	18	250
155	1022.5	431.8	711.2	602	573	2332±5	543	2172	724	8	18	250
155	1022.5	431.8	711.2	602	744	2280±5	714	2121	707	8	18	250
155	1022.5	431.8	711.2	577	724	2220±5	694	2061	687	8	18	250
155	1022.5	431.8	711.2	577	724	2170±5	694	2010	670	8	18	250
155	1022.5	431.8	711.2	602	744	2540±5	714	2379	793	8	18	250
155	1022.5	431.8	711.2	602	744	2540±5	714	2379	793	8	18	250
155	1022.5	431.8	711.2	602	744	2420±5	714	2259	753	8	18	250
155	1022.5	431.8	711.2	602	573	2385±5	543	2226	742	8	18	250
155	1022.5	431.8	711.2	577	744	2332±5	714	2172	724	8	18	250
177.8	1045.1	546.1	812.8	716	744	2400±5	714	2241	747	8	18	250
177.8	1045.1	546.1	812.8	716	744	2350±5	714	2190	730	8	18	250
177.8	1045.1	546.1	812.8	716	744	2300±5	714	2139	713	8	18	250
177.8	1045.1	546.1	812.8	716	744	2255±5	714	2094	698	8	18	250
177.8	1045.1	546.1	812.8	716	744	2205±5	714	2046	682	8	18	250
177.8	1045.1	546.1	812.8	716	744	2530±5	714	2370	790	8	18	250
177.8	1045.1	546.1	812.8	716	744	2480±5	714	2319	773	8	18	250
177.8	1045.1	546.1	812.8	716	744	2400±5	714	2241	747	8	18	250
177.8	1045.1	546.1	812.8	716	744	2350±5	714	2190	730	8	18	250
177.8	1045.1	546.1	812.8	716	744	2300±5	714	2139	713	8	18	250
177.8	1045.1	546.1	812.8	716	744	2186±5	714	2025	675	8	18	250
244.3	1042.9	609.6	863.6	780	744	2405±5	714	2244	748	8	18	250
244.3	1042.9	609.6	863.6	780	744	2405±5	714	2244	748	8	18	250
244.3	1042.9	609.6	863.6	780	744	2355±5	714	2196	732	8	18	250
244.3	1042.9	609.6	863.6	780	744	2260±5	714	2100	700	8	18	250
244.3	1042.9	609.6	863.6	780	744	2526±5	714	2367	789	8	18	250
244.3	1042.9	609.6	863.6	780	744	2455±5	714	2295	765	8	18	250
244.3	1042.9	609.6	863.6	780	744	2405±5	714	2244	748	8	18	250
244.3	1042.9	609.6	863.6	780	744	2405±5	714	2244	748	8	18	250

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OVERALL RANGE AND PERFORMANCE DETAILS

At 720 rpm as per performance curve

S. No.	Pump Size - Suction x Discharge / Impeller Sizes (inch) (mm)	Suction Nozzle Dia (mm)	Discharge Nozzle Dia (mm)	Pump Weight (kg)	Maximum Power (kW)	Maximum Working Pressure (Bar)	Maximum Flow Rate (m ³ /h)	Maximum Total Head (m)	Maximum Suspended Solid Size (mm)
1	6 x 3 x 14 (150 x 80 x 350)	150	80	275	2.3	1.2	85	12.1	38
2	6 x 4 x 14 (150 x 100 x 350)	150	100	275	4.2	1.2	138	12.1	41
3	8 x 4 x 17 (200 x 100 x 430)	200	100	470	4.2	1.6	210	16.8	38
4	8 x 6 x 17 (200 x 150 x 430)	200	150	500	13.7	1.6	440	16.5	76
5	8 x 6 x 21 (200 x 150 x 430)	200	150	850	31.3	2.5	530	25.1	76
6	10 x 8 x 17 (250 x 200 x 430)	250	200	550	17.6	1.5	520	15.7	63
7	10 x 8 x 21 (250 x 200 x 430)	250	200	900	36.2	2.4	750	24.6	76
8	12 x 10 x 17 (300 x 250 x 430)	300	250	650	22.9	1.3	925	13.3	38
9	14 x 12 x 21 (355 x 300 x 530)	350	300	1050	66.6	2.1	1625	21.4	95
10	16 x 14 x 21 (400 x 355 x 530)	400	350	1350	80.0	2.3	2300	23.5	50

OVERALL RANGE AND PERFORMANCE DETAILS

At 960 rpm as per performance curve

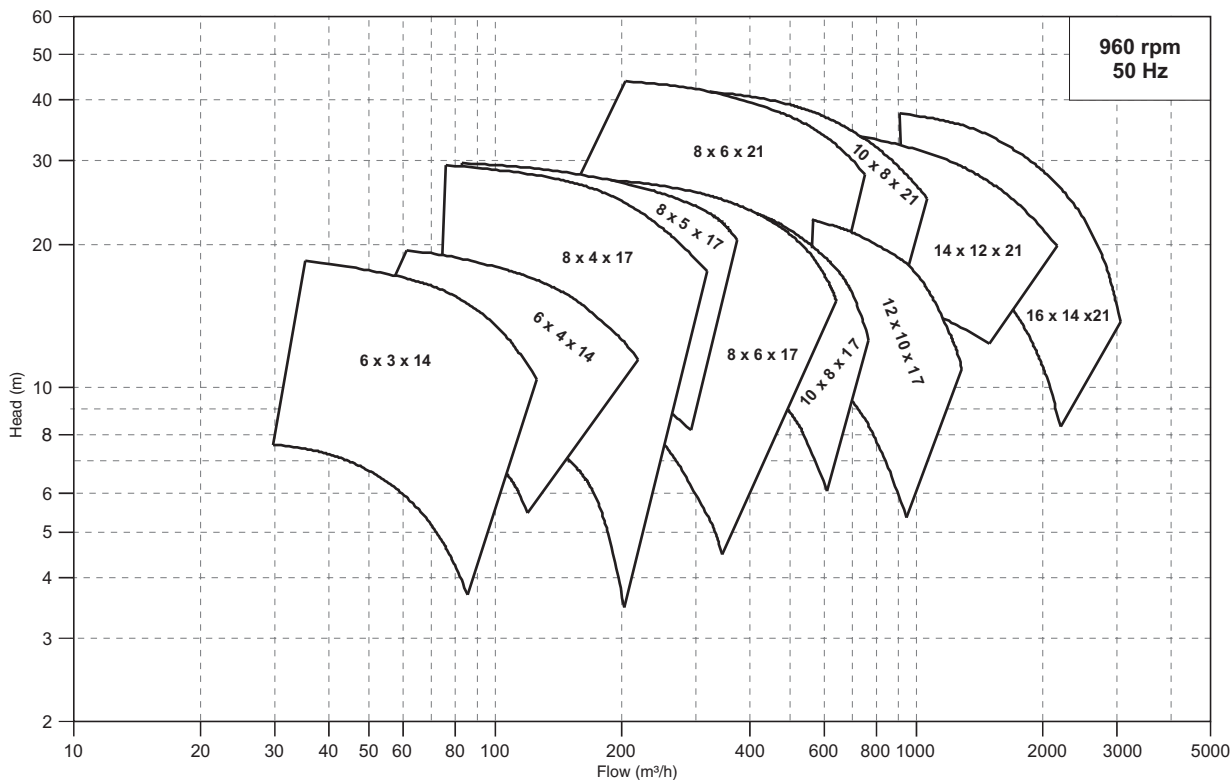
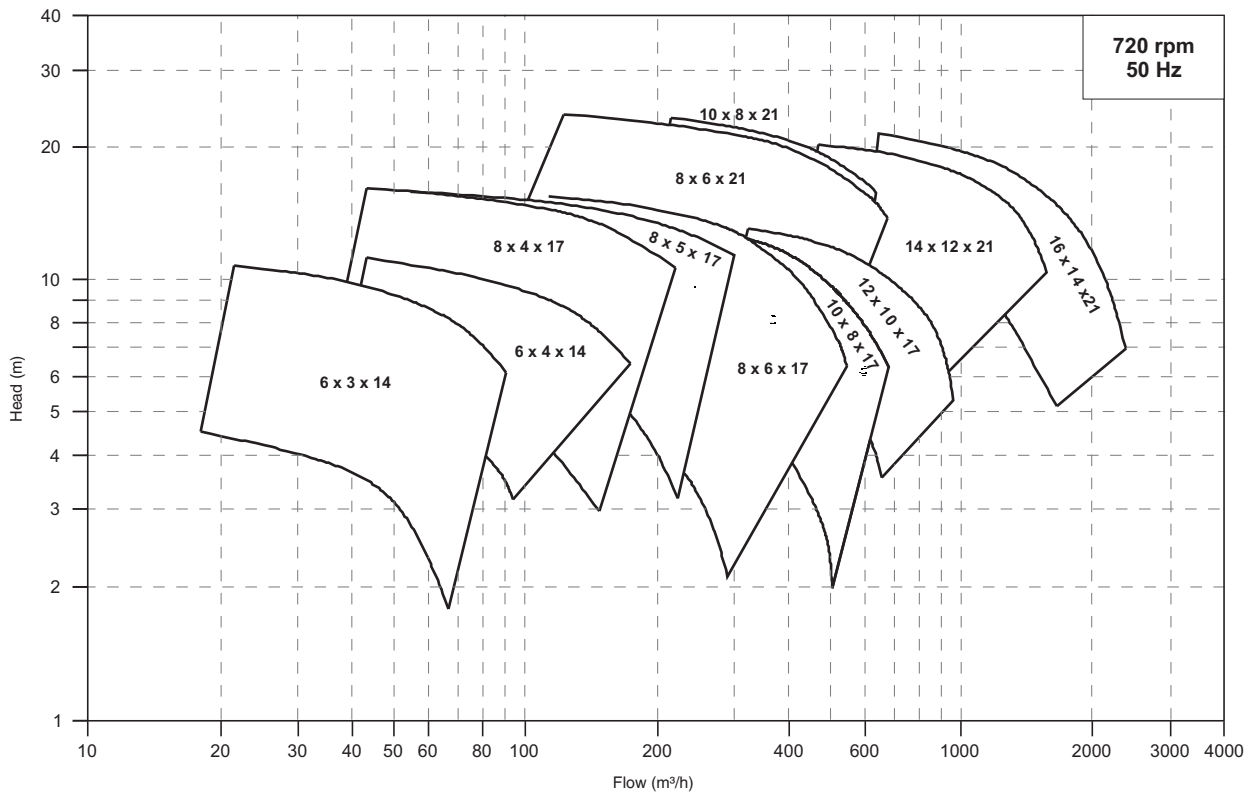
S. No.	Pump Size - Suction x Discharge / Impeller Sizes (inch) (mm)	Suction Nozzle Dia (mm)	Discharge Nozzle Dia (mm)	Pump Weight (kg)	Maximum Power (kW)	Maximum Working Pressure (Bar)	Maximum Flow Rate (m ³ /h)	Maximum Total Head (m)	Maximum Suspended Solid Size (mm)
1	6 x 3 x 14 (150 x 80 x 350)	150	80	275	5.5	2.1	113	21.5	38
2	6 x 4 x 14 (150 x 100 x 350)	150	100	275	10.0	2.1	185	21.6	41
3	8 x 4 x 17 (200 x 100 x 430)	200	100	470	21.0	2.9	280	29.8	38
4	8 x 6 x 17 (200 x 150 x 430)	200	150	500	32.5	2.9	580	29.5	76
5	10 x 8 x 17 (250 x 200 x 430)	250	200	550	41.7	2.7	700	27.9	63
6	8 x 6 x 21 (200 x 150 x 430)	200	150	850	74.0	4.4	725	44.0	76
7	10 x 8 x 21 (250 x 200 x 430)	250	200	900	85.7	4.3	1000	43.8	76
8	12 x 10 x 17 (300 x 250 x 430)	300	250	650	54.3	2.3	1250	23.6	38
9	14 x 12 x 21 (355 x 300 x 530)	350	300	1050	157.7	3.8	2150	38.0	95
10	16 x 14 x 21 (400 x 355 x 530)	400	350	1350	189.7	4.0	3100	41.0	50

OVERALL RANGE AND PERFORMANCE DETAILS

At 1450 rpm as per performance curve

S. No.	Pump Size - Suction x Discharge / Impeller Sizes (inch) (mm)	Suction Nozzle Dia (mm)	Discharge Nozzle Dia (mm)	Pump Weight (kg)	Maximum Power (kW)	Maximum Working Pressure (Bar)	Maximum Flow Rate (m ³ /h)	Maximum Total Head (m)	Maximum Suspended Solid Size (mm)
1	3 x 2.5 x 10.5 (80 x 65 x 260)	80	65	77	3.2	1.8	75	18	22
2	3 x 2.5 x 11 (80 x 65 x 280)	80	65	77	4.5	2.4	96	24	23
3	4 x 3 x 10.5 (100 x 80 x 260)	100	80	86.5	3.7	1.5	109	15.5	30
4	4 x 3 x 11 (100 x 80 x 280)	100	80	86.5	5.6	2.0	100	20	32
5	6 x 3 x 14 (150 x 80 x 350)	150	80	275	19.1	4.8	172	49	38
6	6 x 4 x 14 (150 x 100 x 350)	150	100	275	35.0	4.8	280	49.3	41
7	8 x 4 x 17 (200 x 100 x 430)	200	100	470	73.0	6.8	430	68	38
8	8 x 5 x 17 (200 x 125 x 430)	200	125	480	93.0	6.7	550	68.3	63
9	8 x 6 x 17 (200 x 150 x 430)	200	150	500	112.0	6.7	880	67	76
10	8 x 6 x 21 (200 x 150 x 430)	200	150	850	255.0	10.0	1100	101	76
11	10 x 8 x 21 (250 x 200 x 430)	250	200	900	295.0	9.8	1500	100	76
12	10 x 8 x 17 (250 x 200 x 430)	250	200	550	143.0	6.3	1300	63.7	63
13	12 x 10 x 17 (300 x 250 x 430)	300	250	650	187.0	5.3	1850	50	38

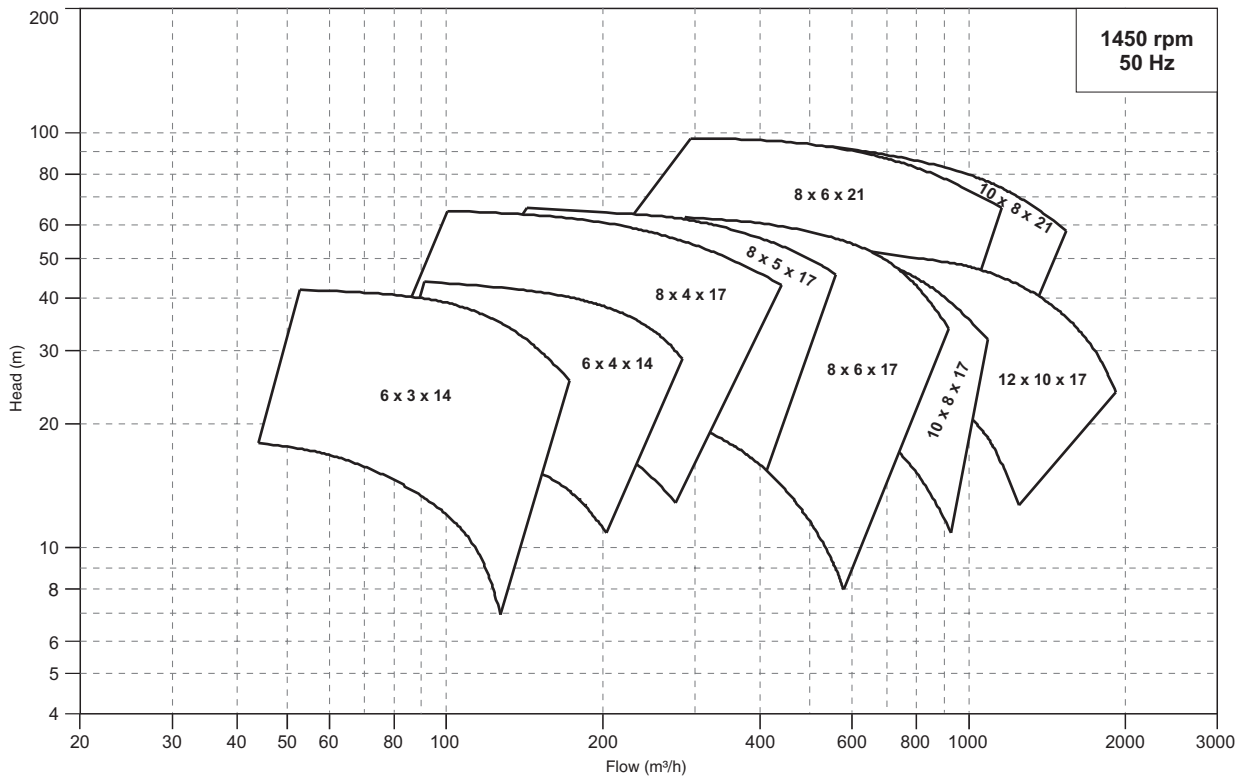
GROUP PERFORMANCE CURVE



Performance curve tolerances are as per HI : 14.6 / ISO : 9906, Grade 2B

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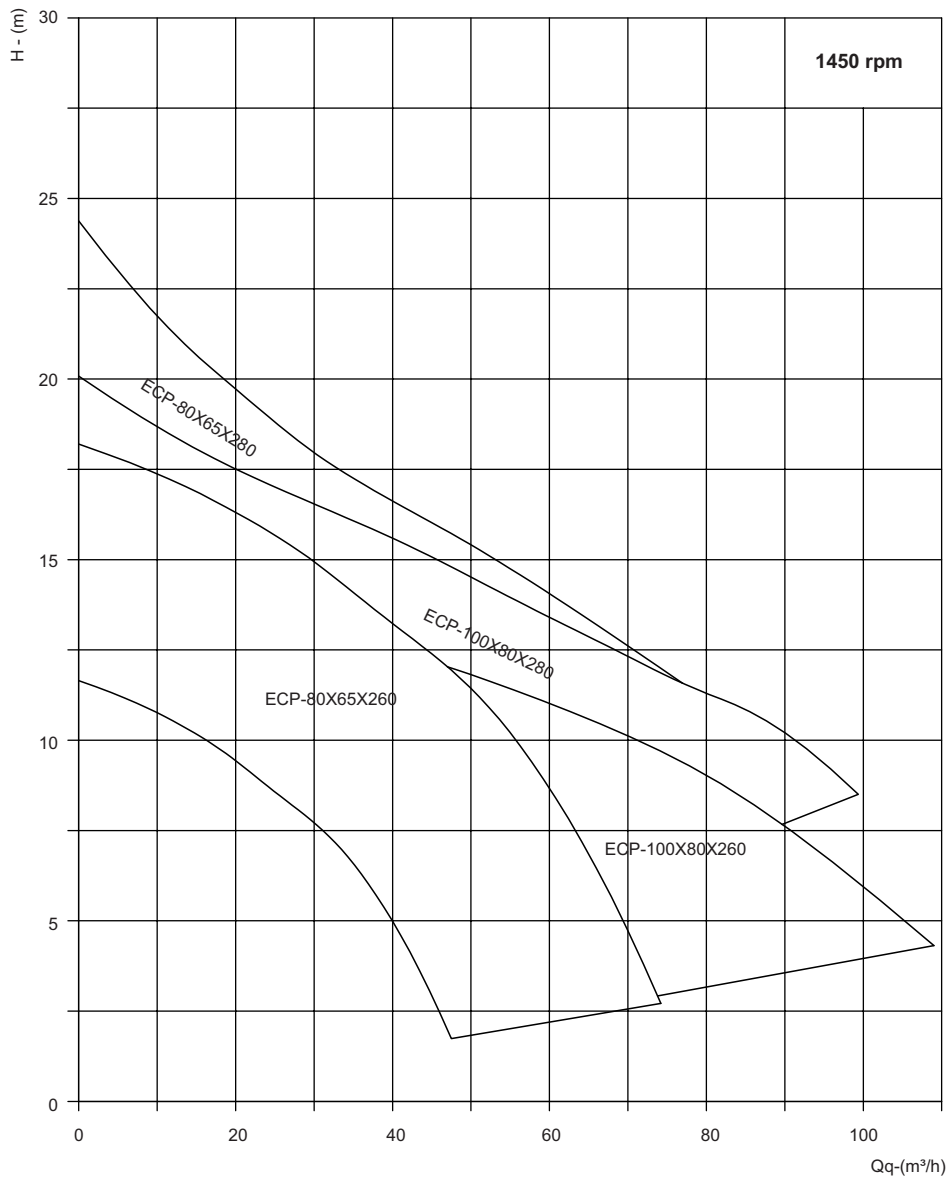
GROUP PERFORMANCE CURVE



Performance curve tolerances are as per HI : 14.6 / ISO: 9906, Grade 2B

In view of continuous developments the information / performance / descriptions / specifications / illustrations are subject to change without notice

GROUP PERFORMANCE CURVE



Performance curve tolerances are as per HI : 14.6 / ISO: 9906, Grade 2B

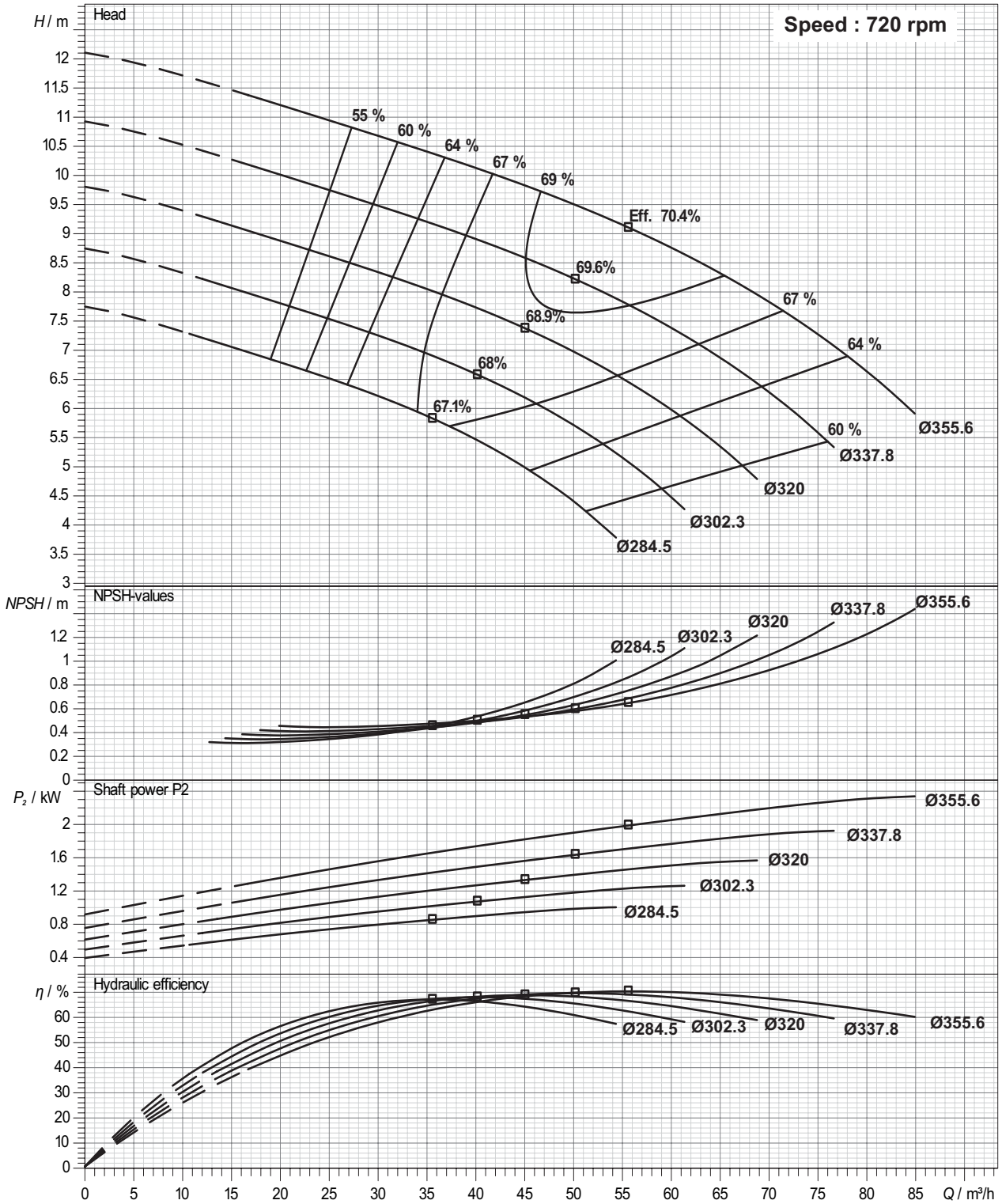
In view of continuous developments the information / performance / descriptions / specifications / illustrations are subject to change without notice



PERFORMANCE CURVE

Pump Model : ECP - 6 x 3 x 14
(150 x 80 x 350)

Pump Size in mm : 150 x 80
(Suc x Dis)



Performance curve tolerances are as per HI : 14.6 / ISO: 9906, Grade 2B

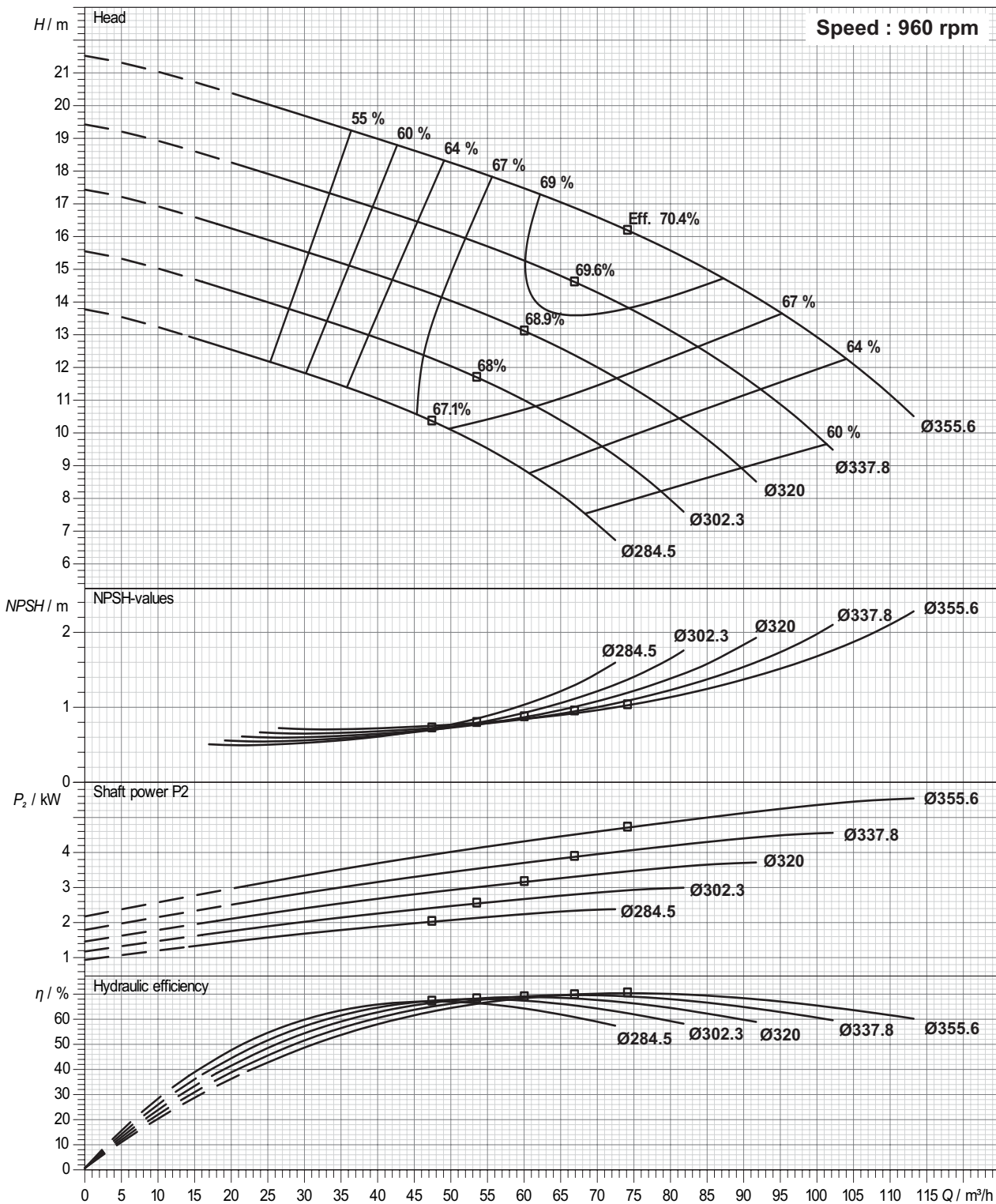
In view of continuous developments the information / performance / descriptions / specifications / illustrations are subject to change without notice



PERFORMANCE CURVE

Pump Model : ECP - 6 x 3 x 14
(150 x 80 x 350)

Pump Size in mm : 150 x 80
(Suc x Dis)



Performance curve tolerances are as per HI : 14.6 / ISO: 9906, Grade 2B

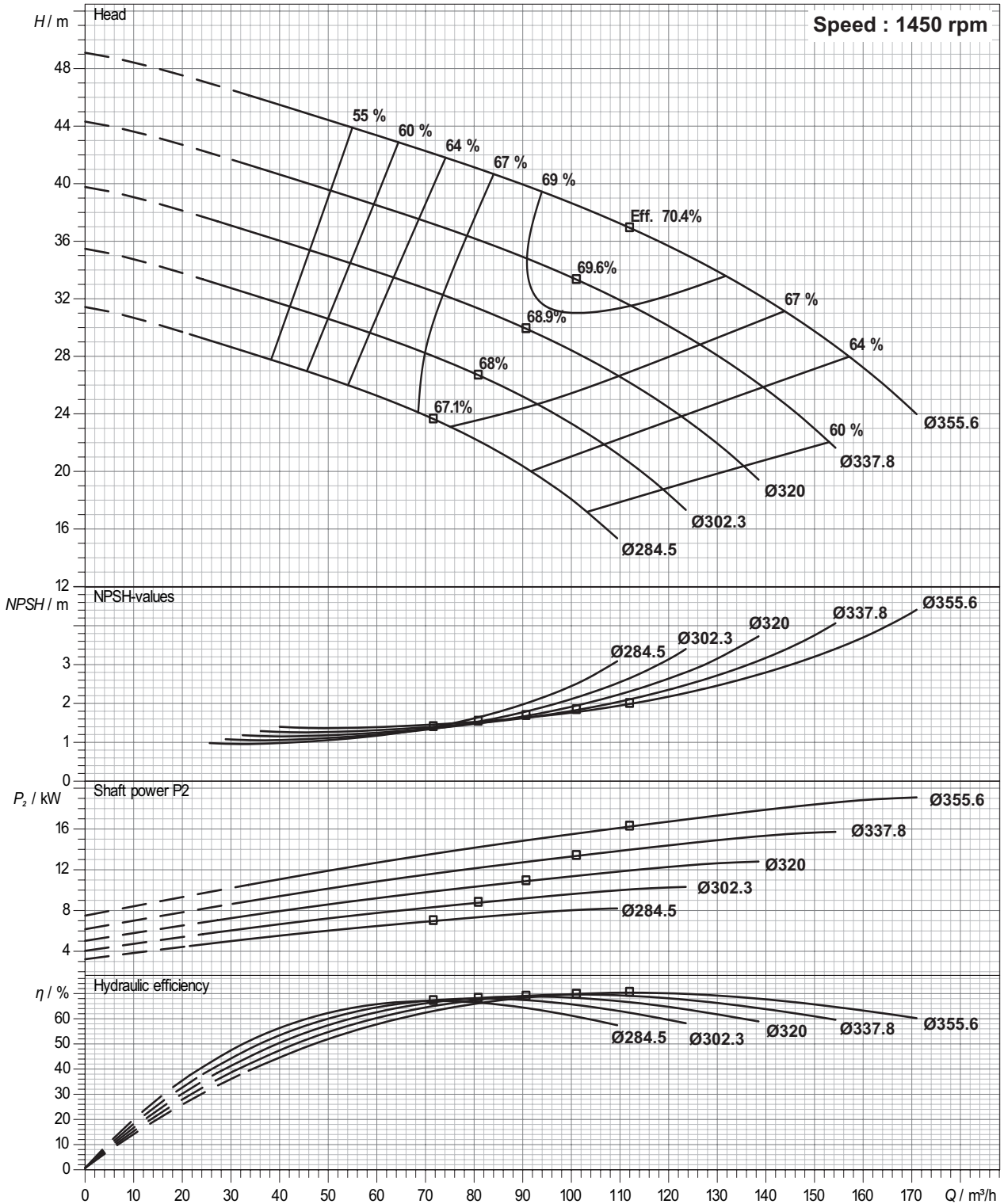
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PERFORMANCE CURVE

Pump Model : ECP - 6 x 3 x 14
(150 x 80 x 350)

Pump Size in mm : 150 x 80
(Suc x Dis)



Performance curve tolerances are as per HI : 14.6 / ISO: 9906, Grade 2B

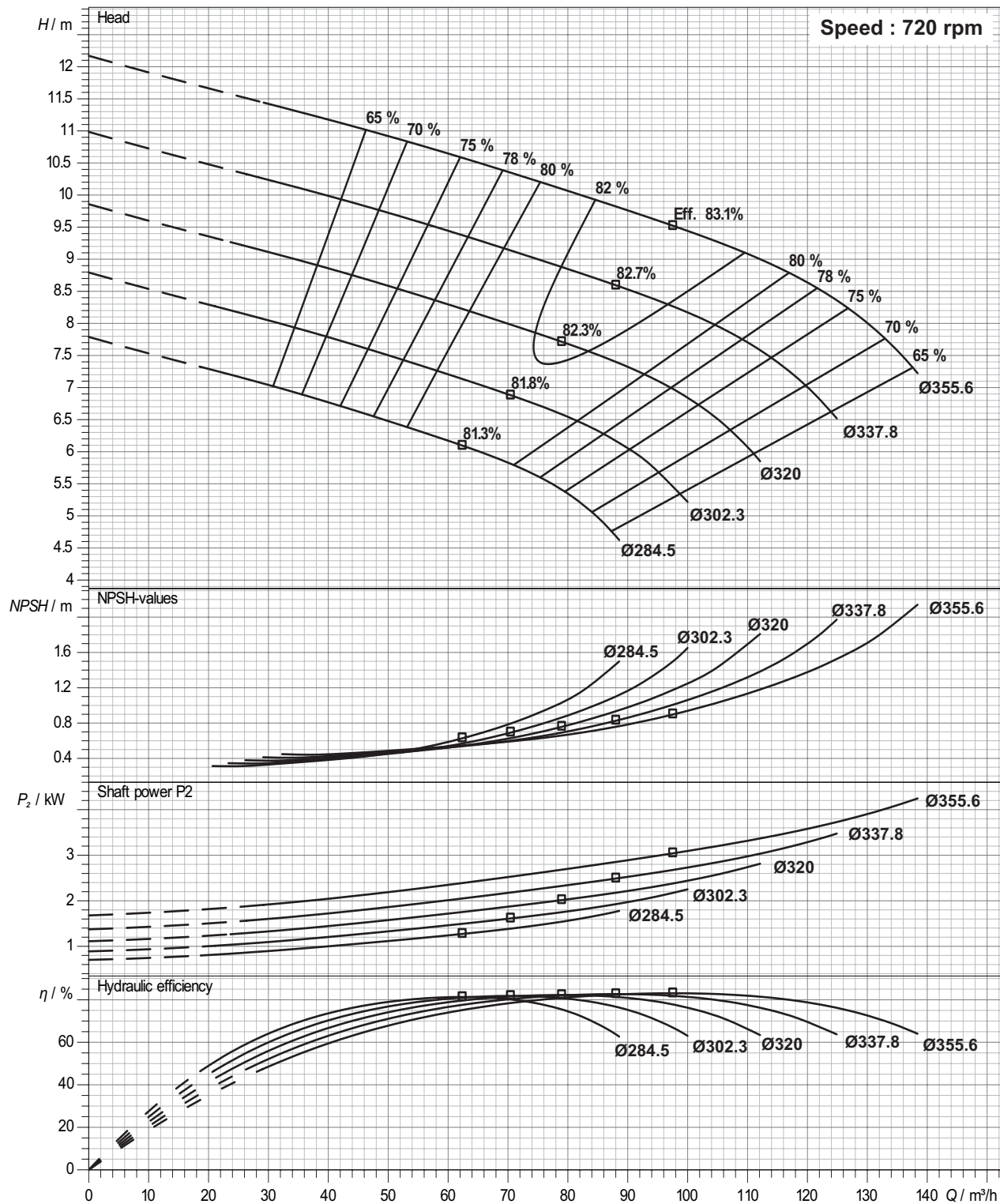
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PERFORMANCE CURVE

Pump Model : ECP - 6 x 4 x 14
(150 x 100 x 350)

Pump Size in mm : 150 x 100
(Suc x Dis)



Performance curve tolerances are as per HI : 14.6 / ISO: 9906, Grade 2B

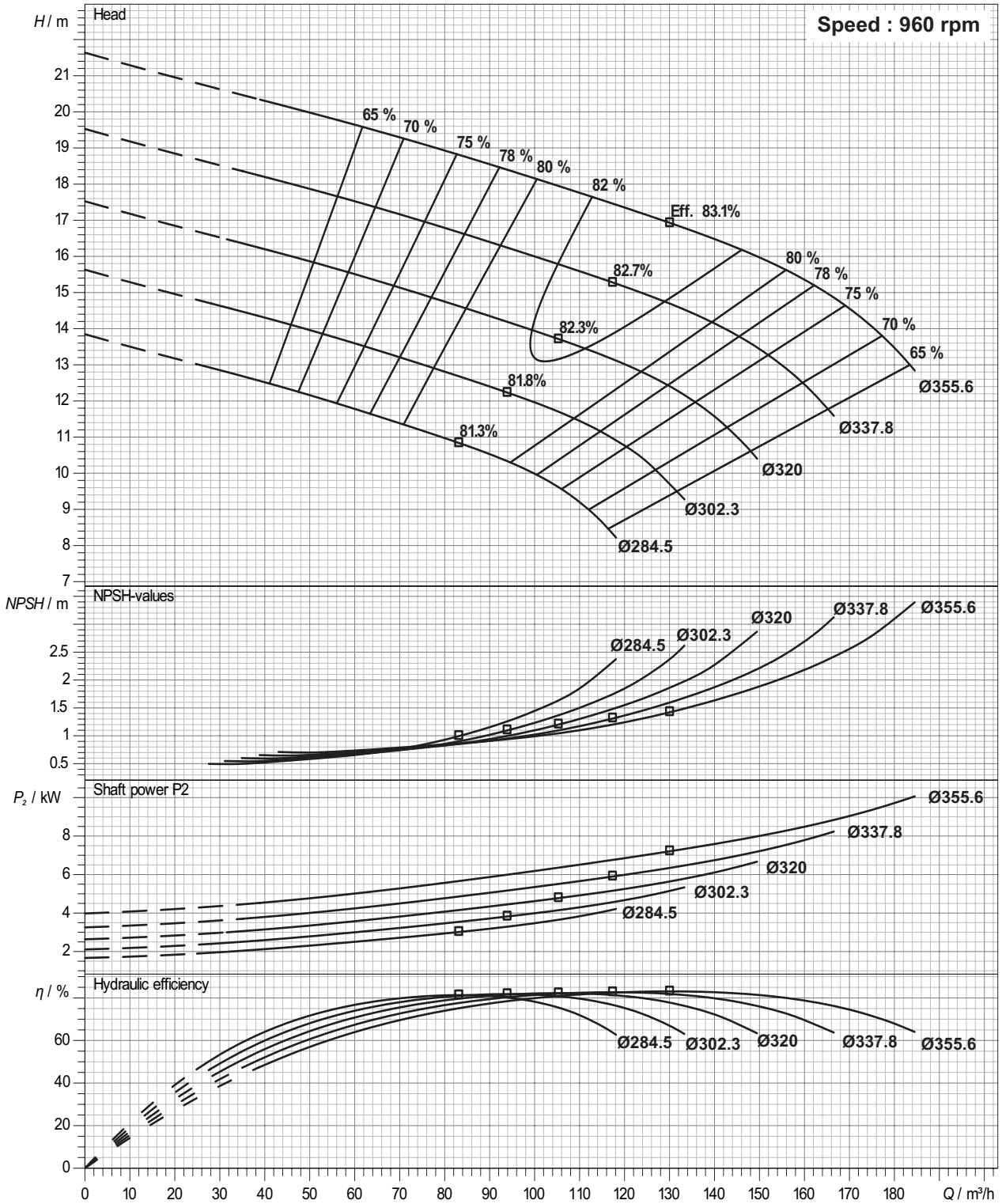
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PERFORMANCE CURVE

Pump Model : ECP - 6 x 4 x 14
(150 x 100 x 350)

Pump Size in mm : 150 x 100
(Suc x Dis)



Performance curve tolerances are as per HI : 14.6 / ISO: 9906, Grade 2B

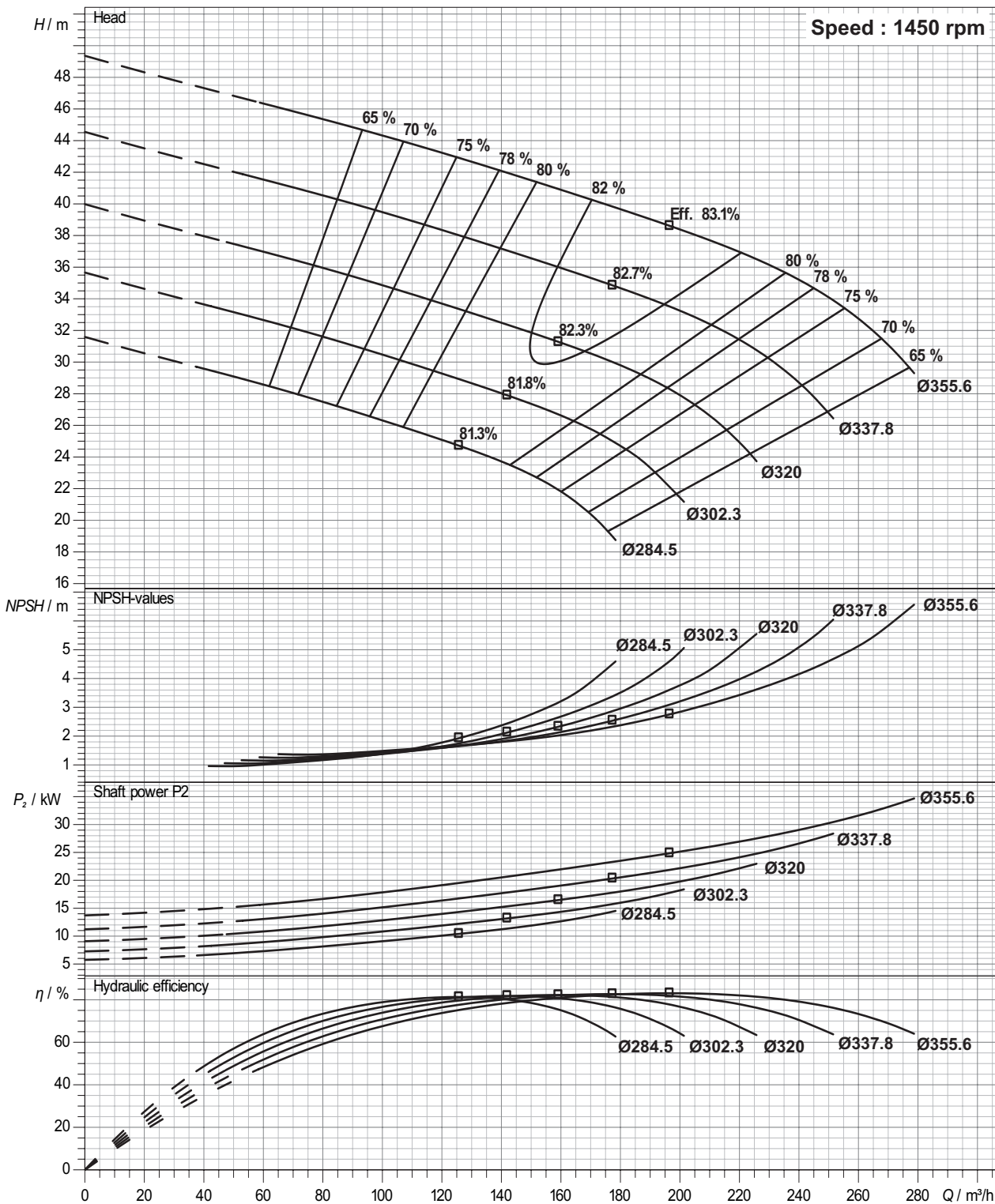
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PERFORMANCE CURVE

Pump Model : ECP - 6 x 4 x 14
(150 x 100 x 350)

Pump Size in mm : 150 x 100
(Suc x Dis)



Performance curve tolerances are as per HI : 14.6 / ISO: 9906, Grade 2B

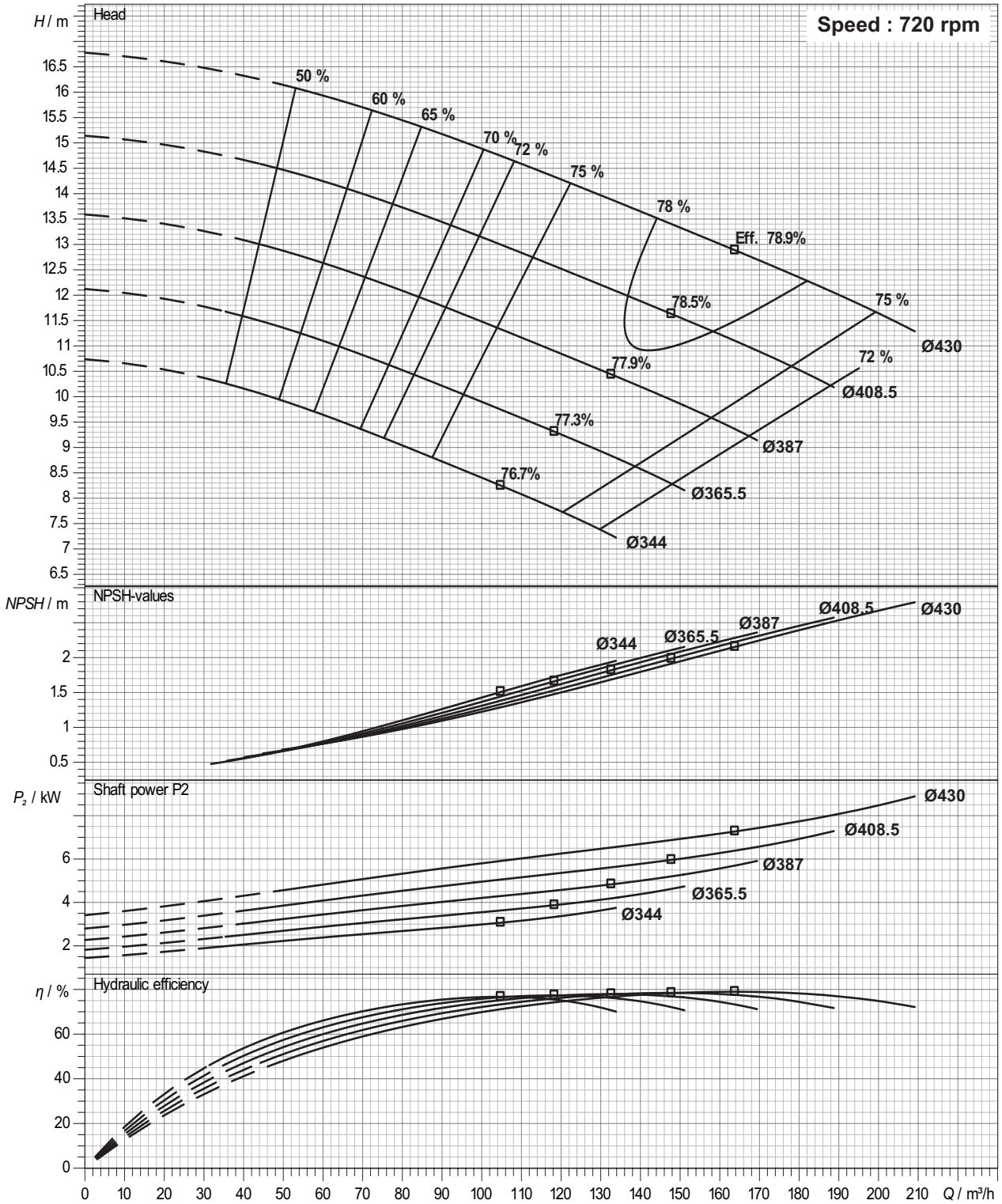
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PERFORMANCE CURVE

Pump Model : ECP - 8 x 4 x 17
(200 x 100 x 430)

Pump Size in mm : 200 x 100
(Suc x Dis)



Performance curve tolerances are as per HI : 14.6 / ISO: 9906, Grade 2B

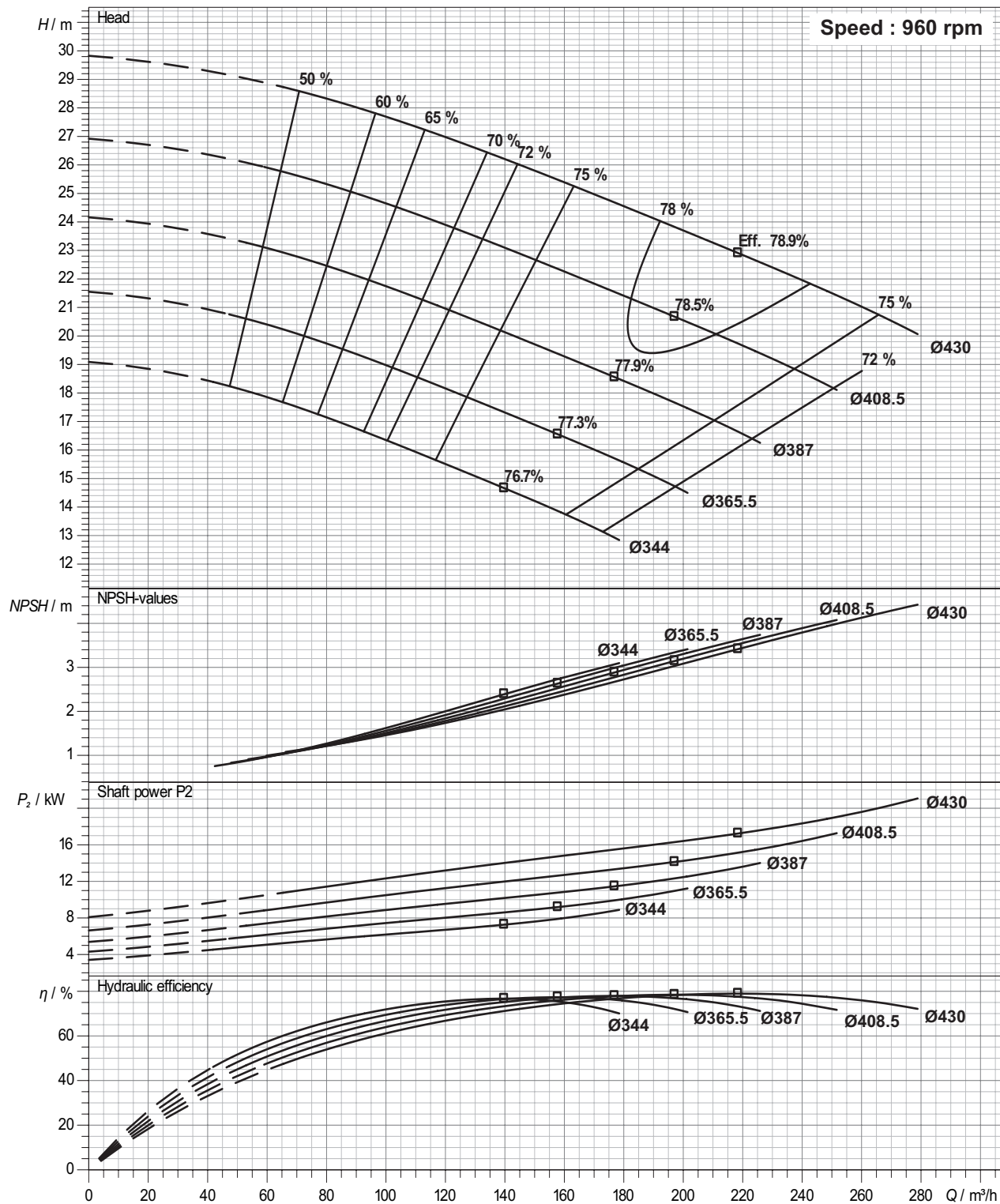
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PERFORMANCE CURVE

Pump Model : ECP - 8 x 4 x 17
(200 x 100 x 430)

Pump Size in mm : 200 x 100
(Suc x Dis)



Performance curve tolerances are as per HI : 14.6 / ISO: 9906, Grade 2B

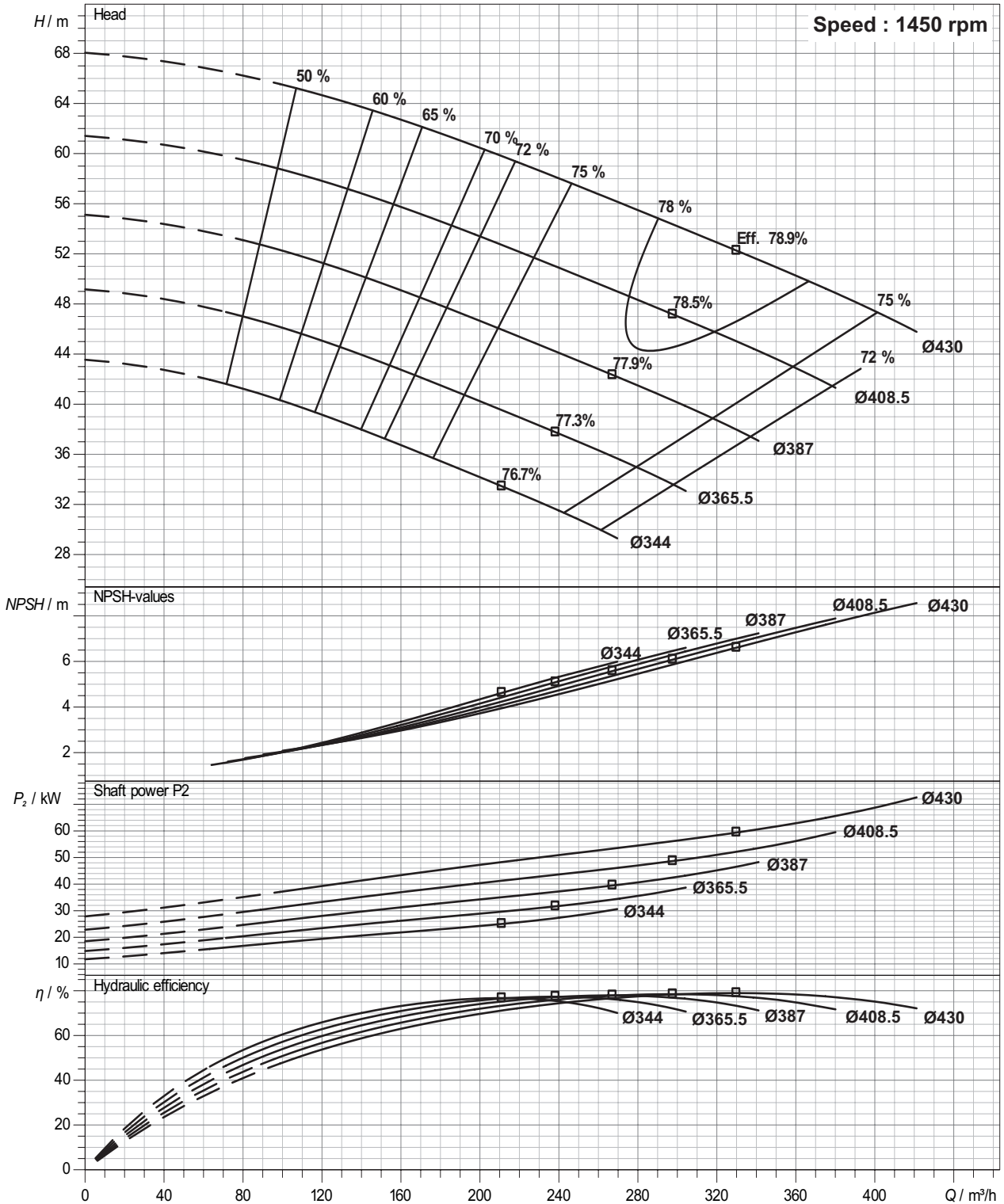
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PERFORMANCE CURVE

Pump Model : ECP - 8 x 4 x 17
(200 x 100 x 430)

Pump Size in mm : 200 x 100
(Suc x Dis)



Performance curve tolerances are as per HI : 14.6 / ISO: 9906, Grade 2B

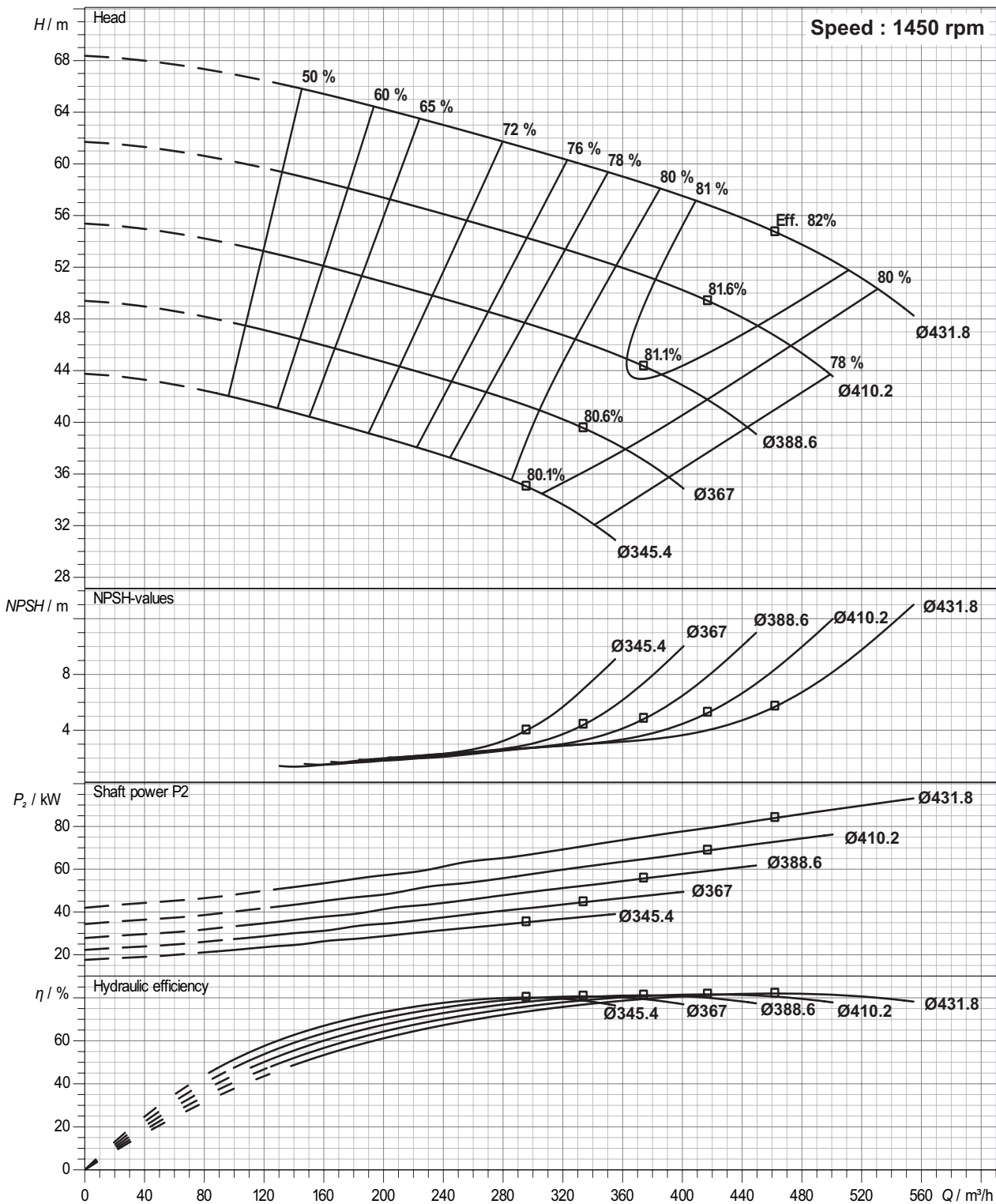
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PERFORMANCE CURVE

Pump Model : ECP - 8 x 5 x 17
(200 x 125 x 430)

Pump Size in mm : 200 x 125
(Suc x Dis)



Performance curve tolerances are as per HI : 14.6 / ISO: 9906, Grade 2B

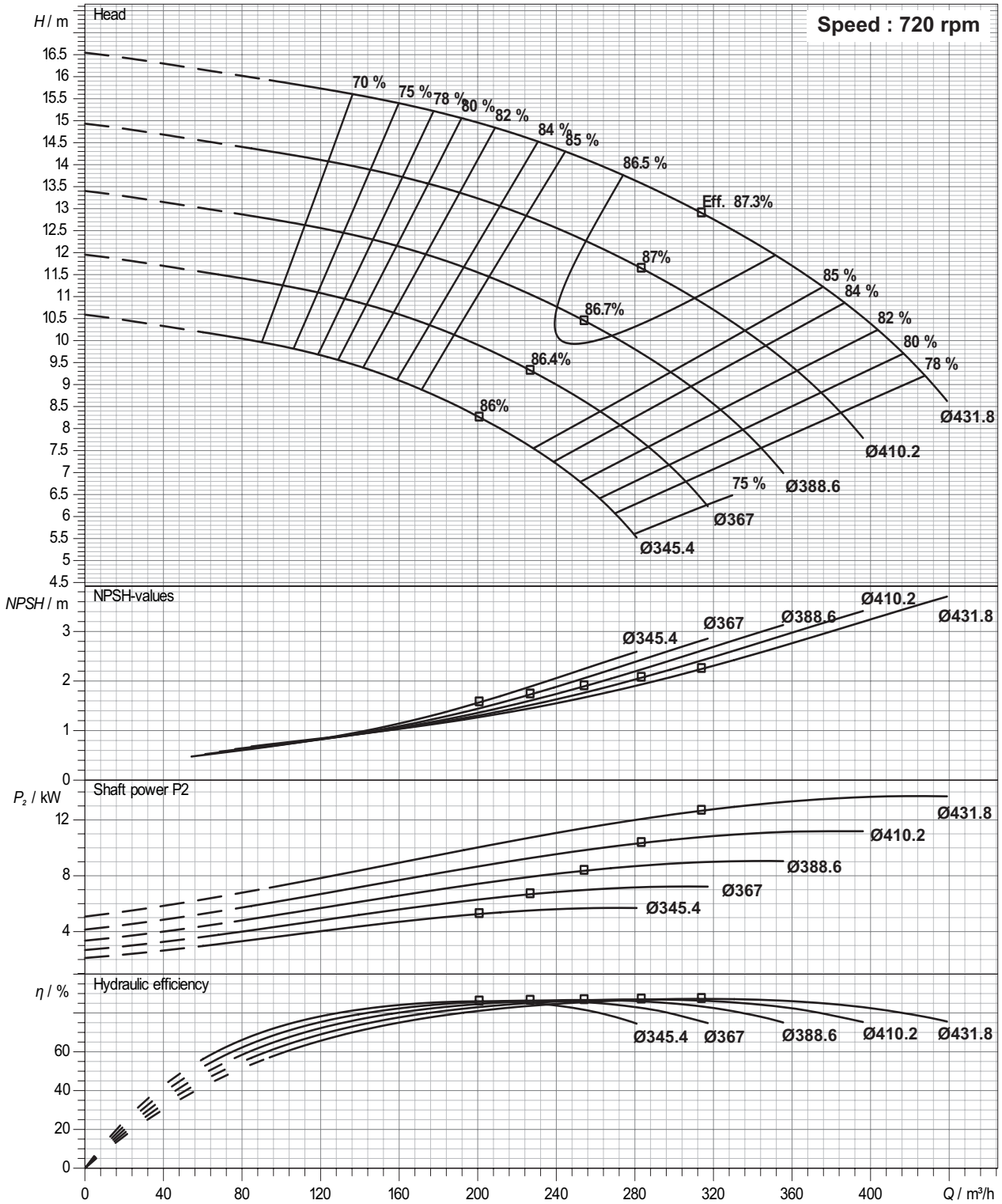
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PERFORMANCE CURVE

Pump Model : ECP - 8 x 6 x 17
(200 x 150 x 430)

Pump Size in mm : 200 x 150
(Suc x Dis)



Performance curve tolerances are as per HI : 14.6 / ISO: 9906, Grade 2B

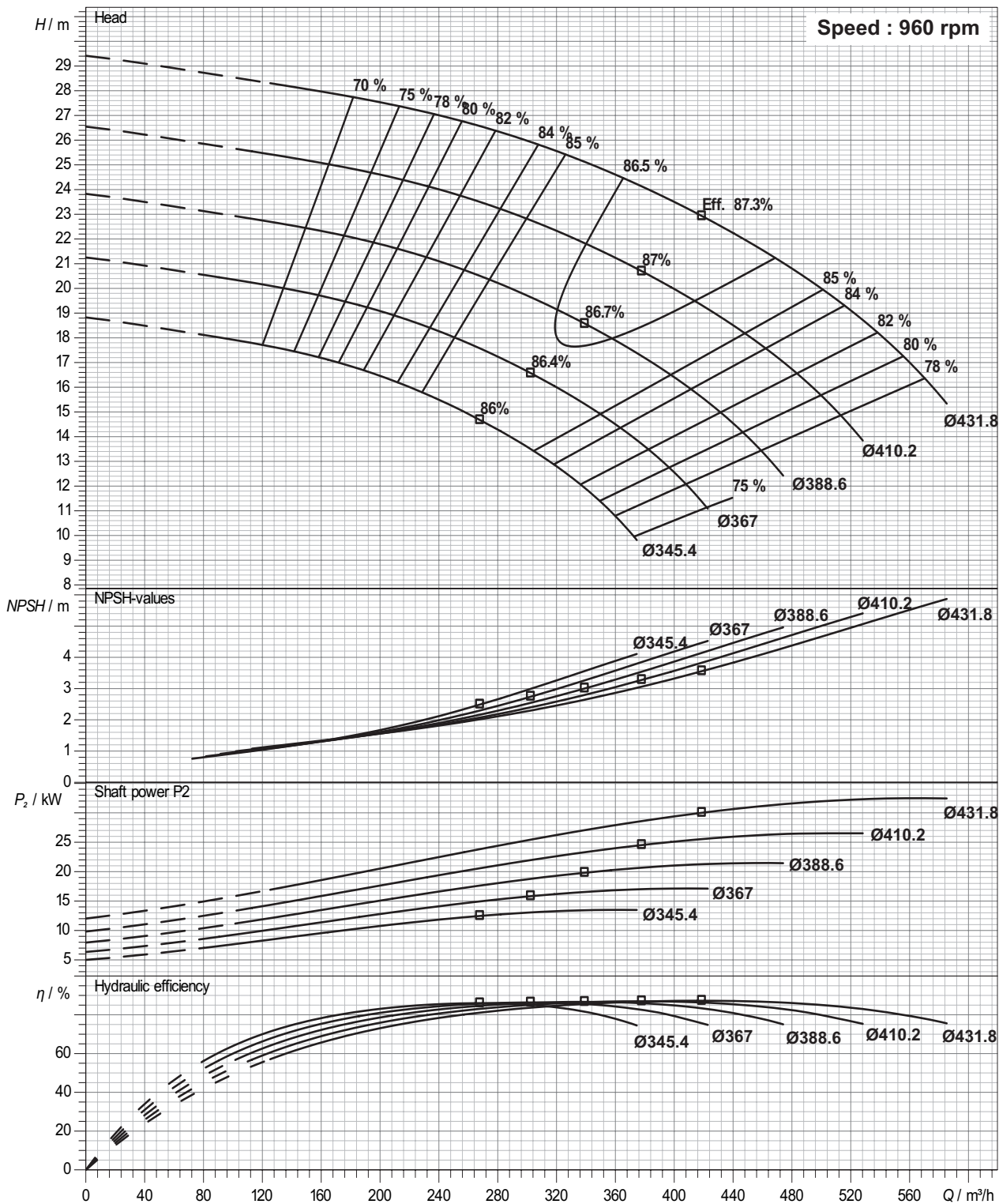
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PERFORMANCE CURVE

Pump Model : ECP - 8 x 6 x 17
(200 x 150 x 430)

Pump Size in mm : 200 x 150
(Suc x Dis)



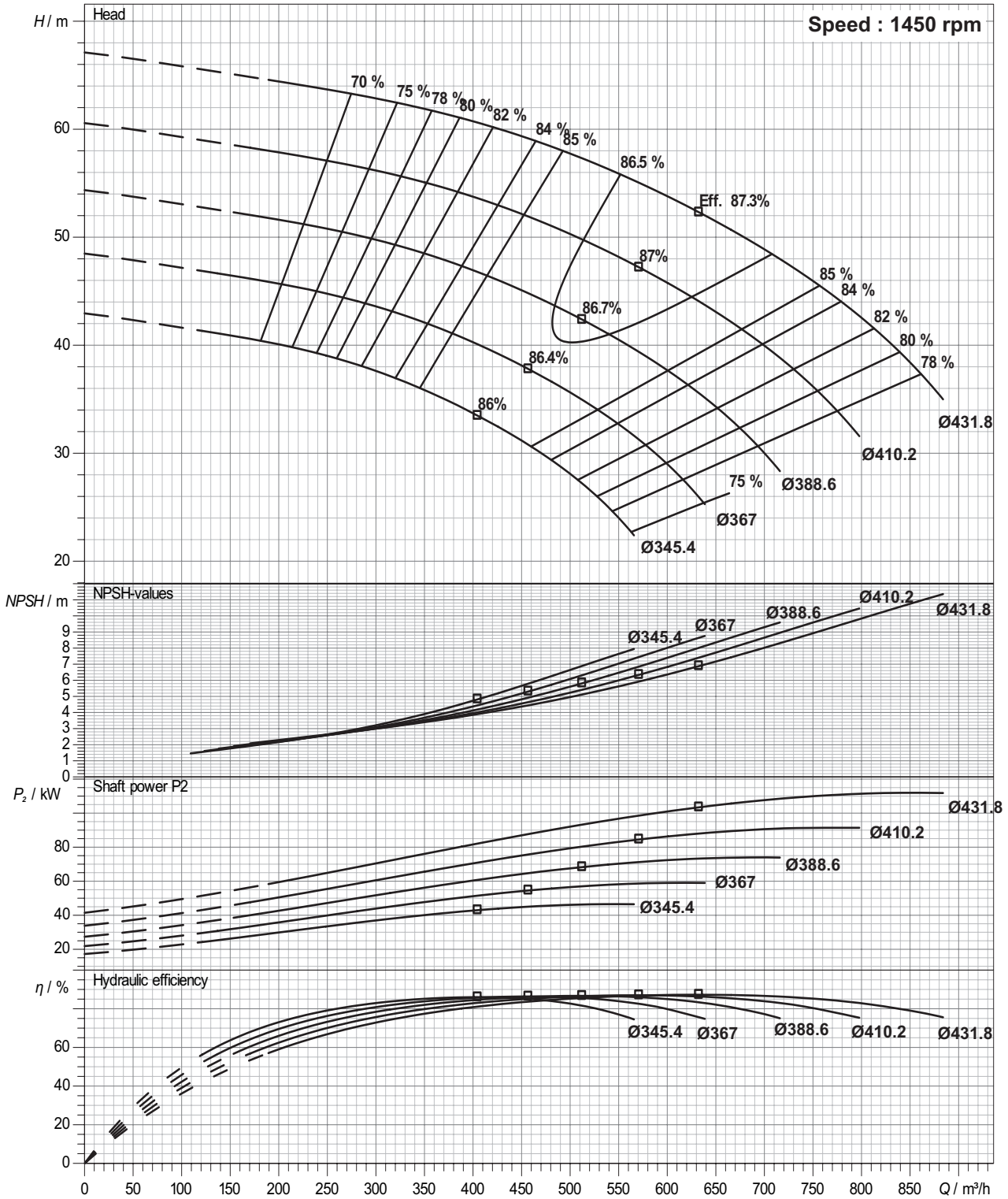
Performance curve tolerances are as per HI : 14.6 / ISO: 9906, Grade 2B

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PERFORMANCE CURVE

Pump Model : ECP - 8 x 6 x 17
(200 x 150 x 430)
Pump Size in mm : 200 x 150
(Suc x Dis)



Performance curve tolerances are as per HI : 14.6 / ISO: 9906, Grade 2B

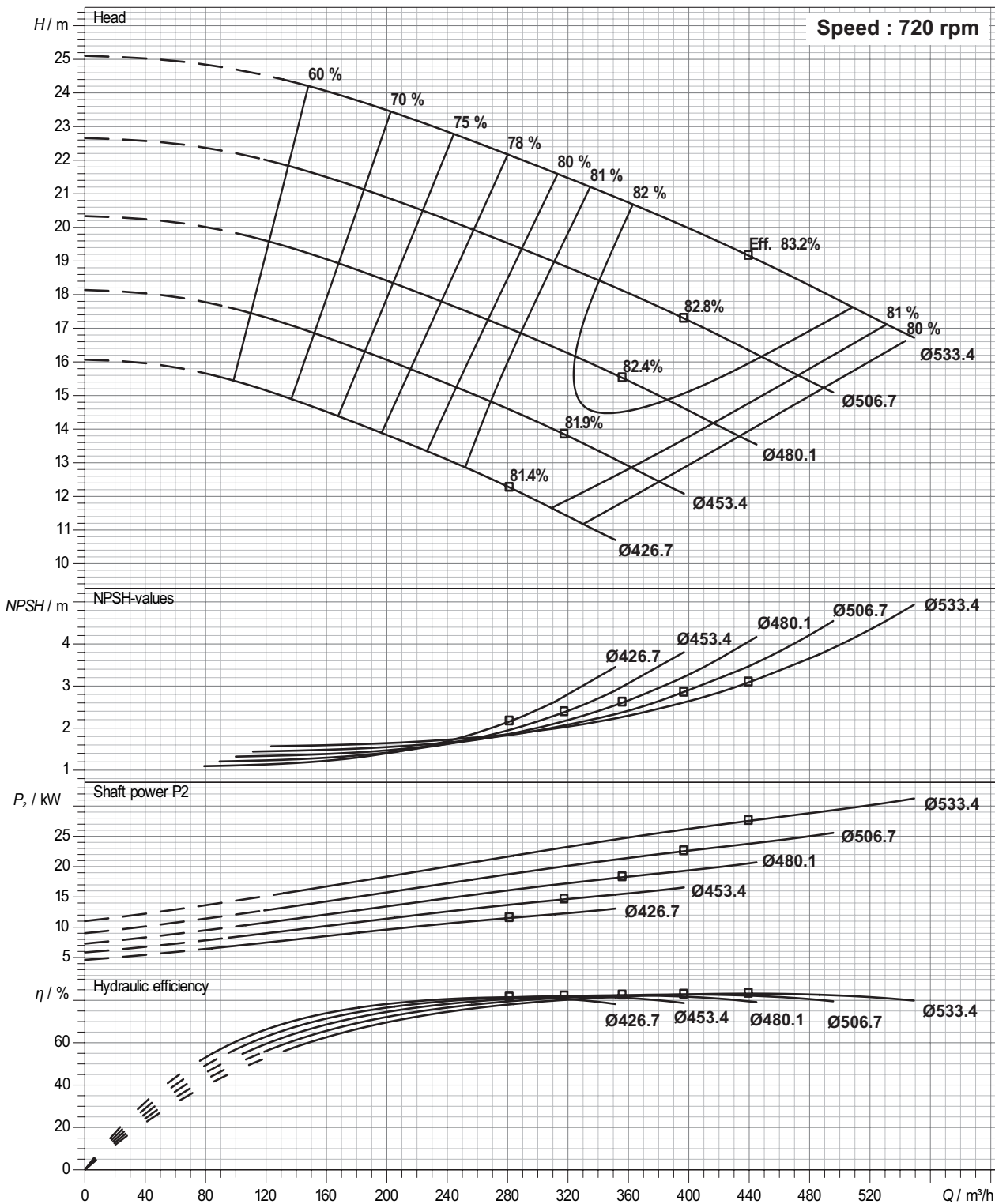
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PERFORMANCE CURVE

Pump Model : ECP - 8 x 6 x 21
(200 x 150 x 530)

Pump Size in mm : 200 x 150
(Suc x Dis)



Performance curve tolerances are as per HI : 14.6 / ISO: 9906, Grade 2B

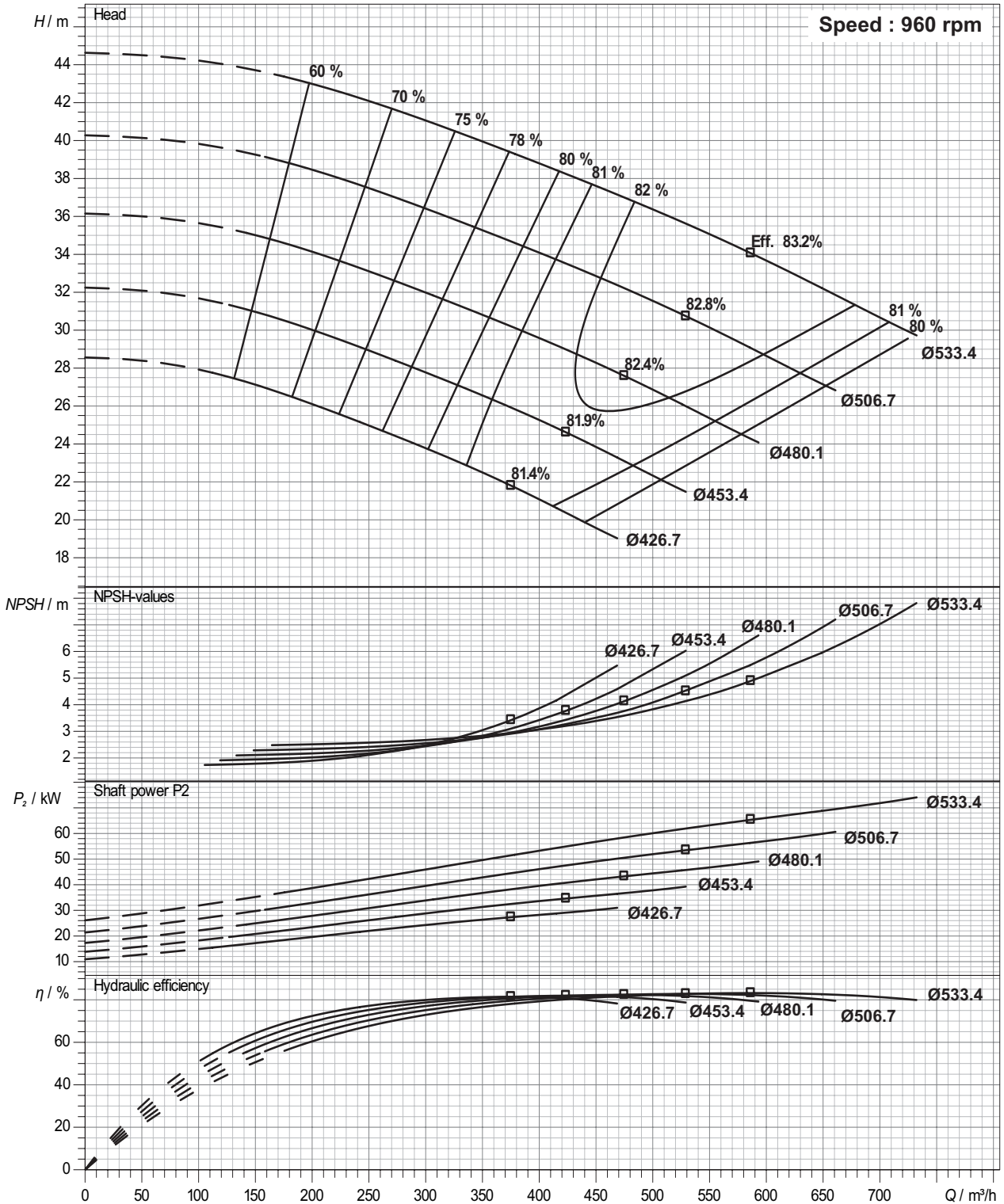
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PERFORMANCE CURVE

Pump Model : ECP - 8 x 6 x 21
(200 x 150 x 530)

Pump Size in mm : 200 x 150
(Suc x Dis)



Performance curve tolerances are as per HI : 14.6 / ISO: 9906, Grade 2B

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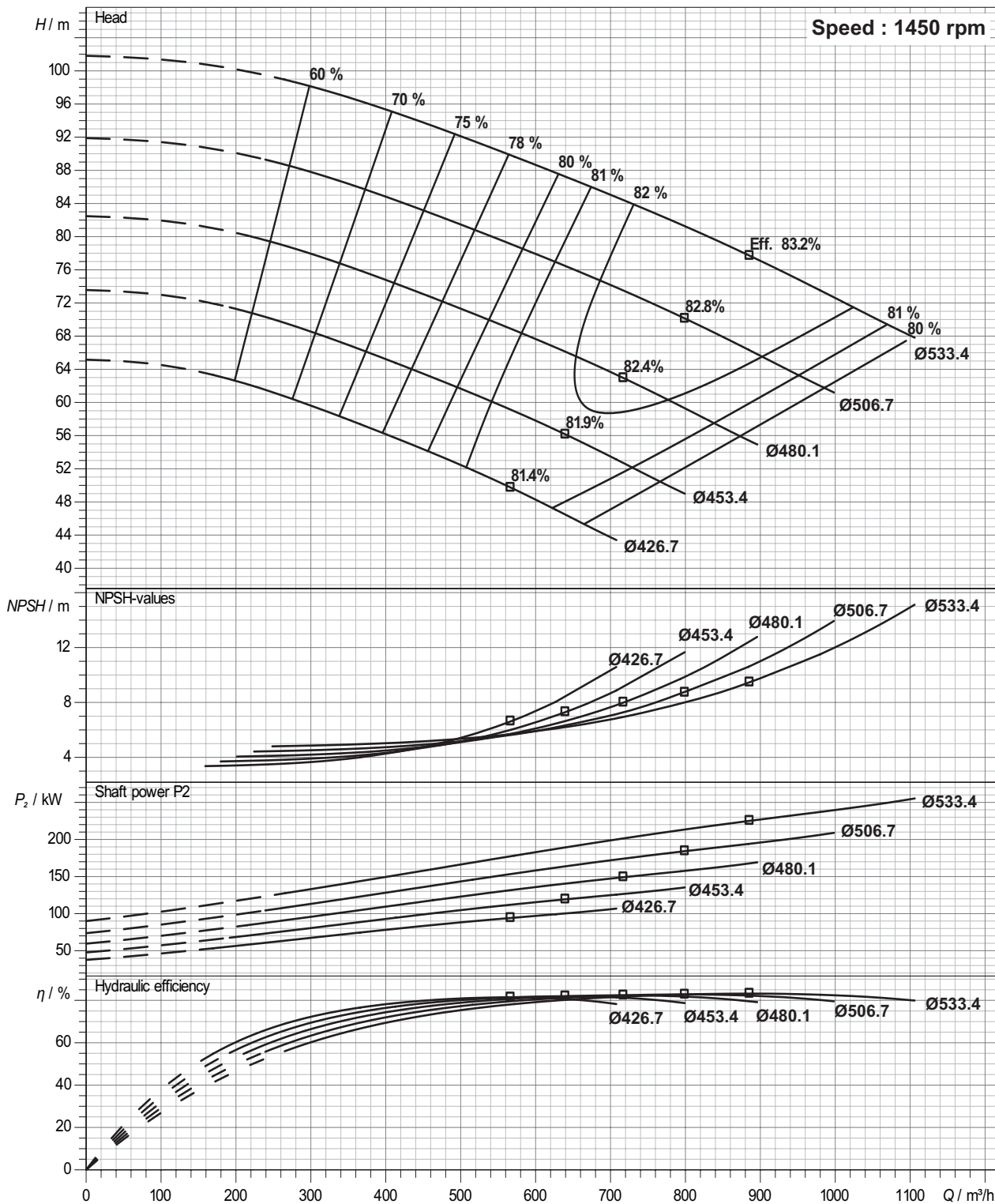
PERFORMANCE CURVE

Pump Model : ECP - 8 x 6 x 21

(200 x 150 x 530)

Pump Size in mm : 200 x 150

(Suc x Dis)



Performance curve tolerances are as per HI : 14.6 / ISO: 9906, Grade 2B

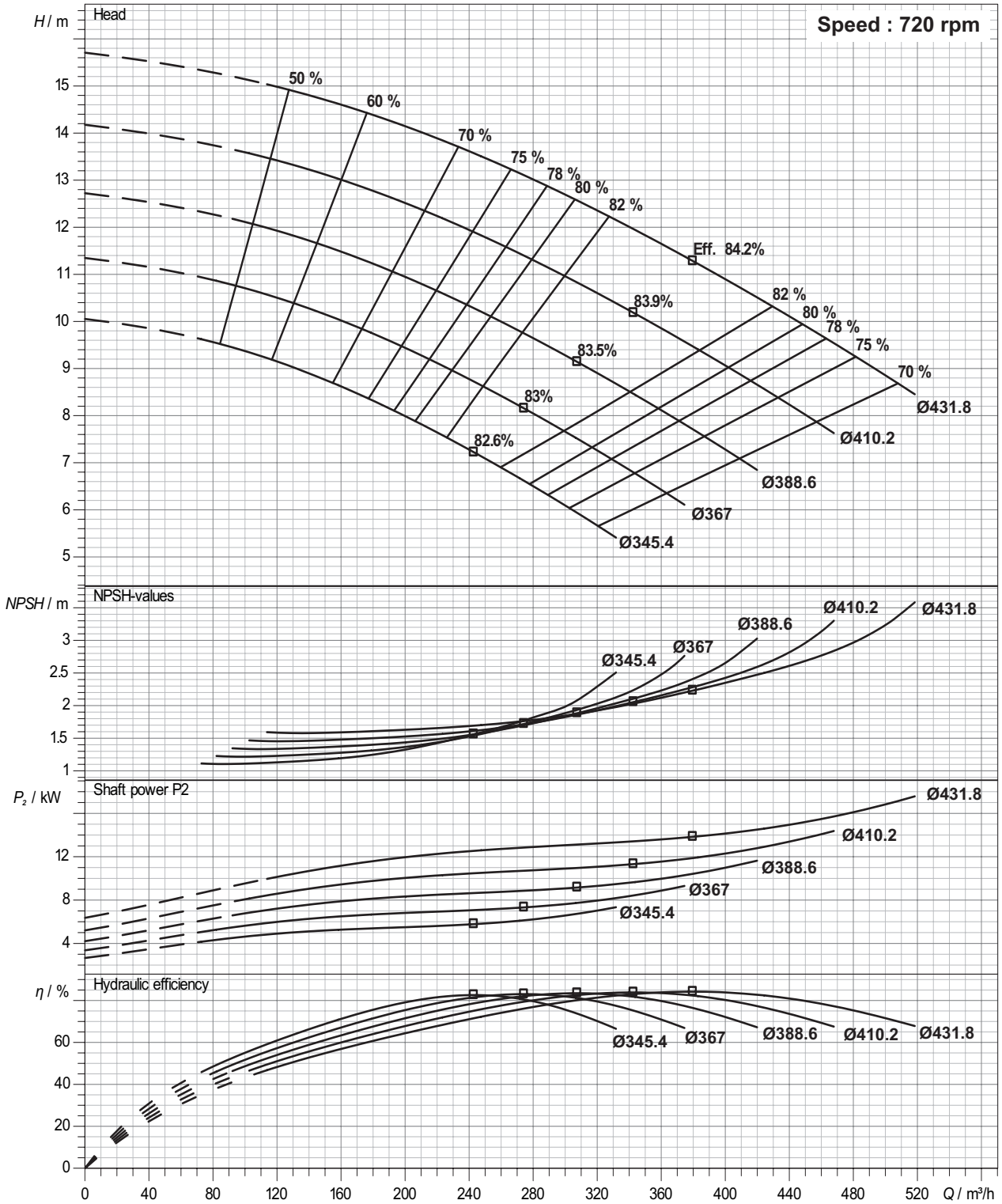
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PERFORMANCE CURVE

Pump Model : ECP - 10 x 8 x 17
(250 x 200 x 430)

Pump Size in mm : 250 x 200
(Suc x Dis)



Performance curve tolerances are as per HI : 14.6 / ISO: 9906, Grade 2B

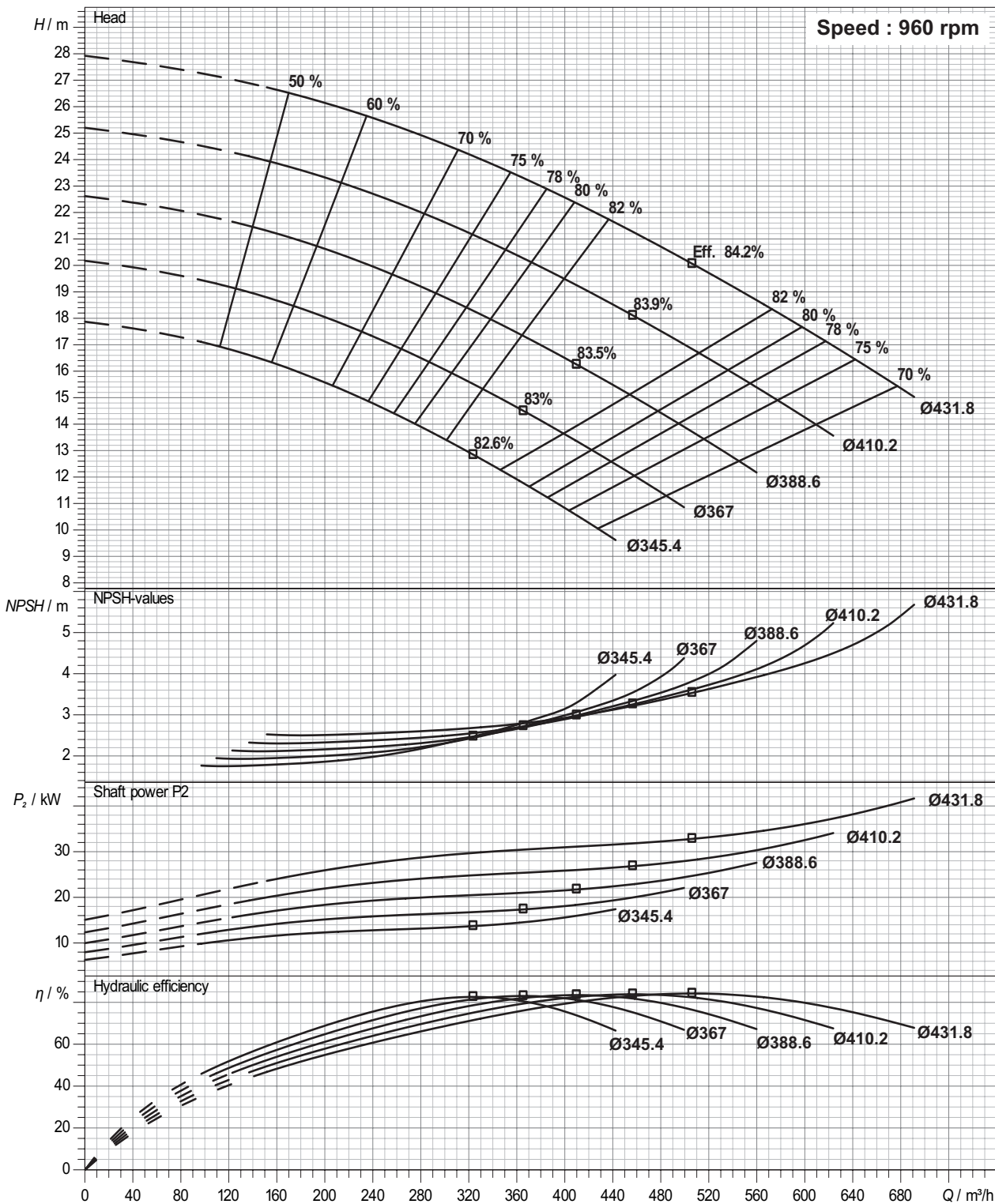
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PERFORMANCE CURVE

Pump Model : ECP - 10 x 8 x 17
(250 x 200 x 430)

Pump Size in mm : 250 x 200
(Suc x Dis)



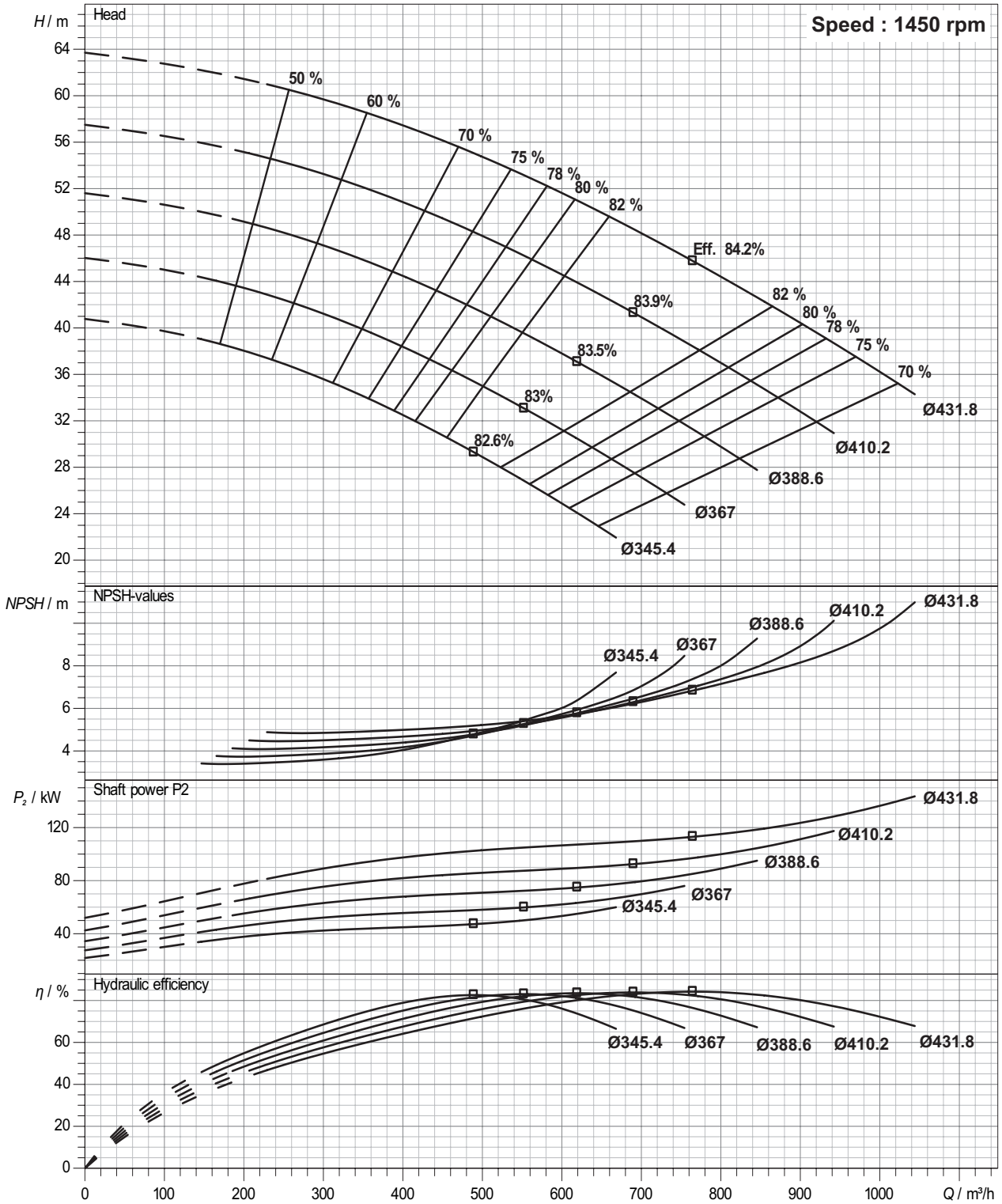
Performance curve tolerances are as per HI : 14.6 / ISO: 9906, Grade 2B

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PERFORMANCE CURVE

Pump Model : ECP - 10 x 8 x 17
(250 x 200 x 430)
Pump Size in mm : 250 x 200
(Suc x Dis)



Performance curve tolerances are as per HI : 14.6 / ISO: 9906, Grade 2B

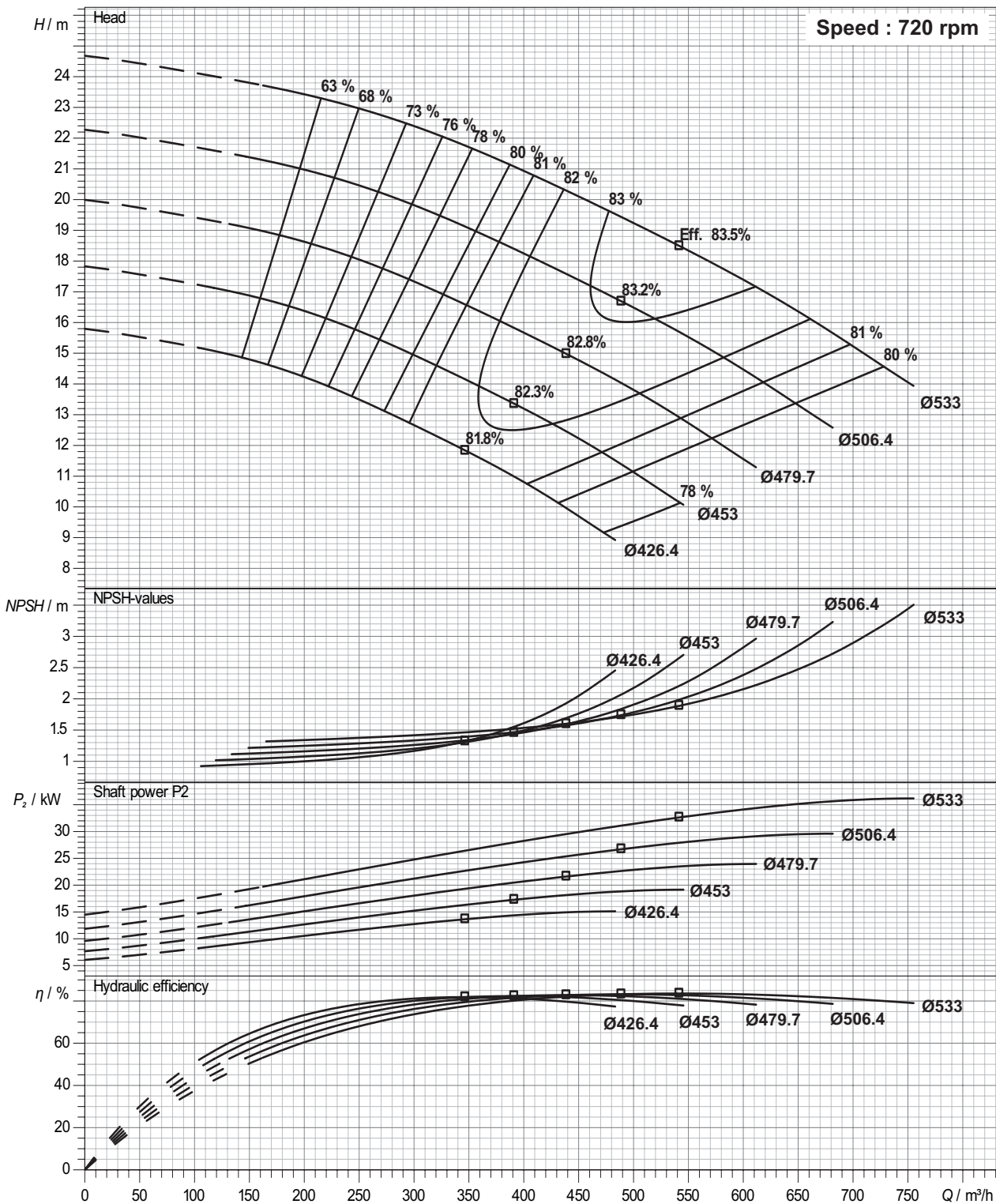
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PERFORMANCE CURVE

Pump Model : ECP - 10 x 8 x 21
(250 x 200 x 530)

Pump Size in mm : 250 x 200
(Suc x Dis)



Performance curve tolerances are as per HI : 14.6 / ISO: 9906, Grade 2B

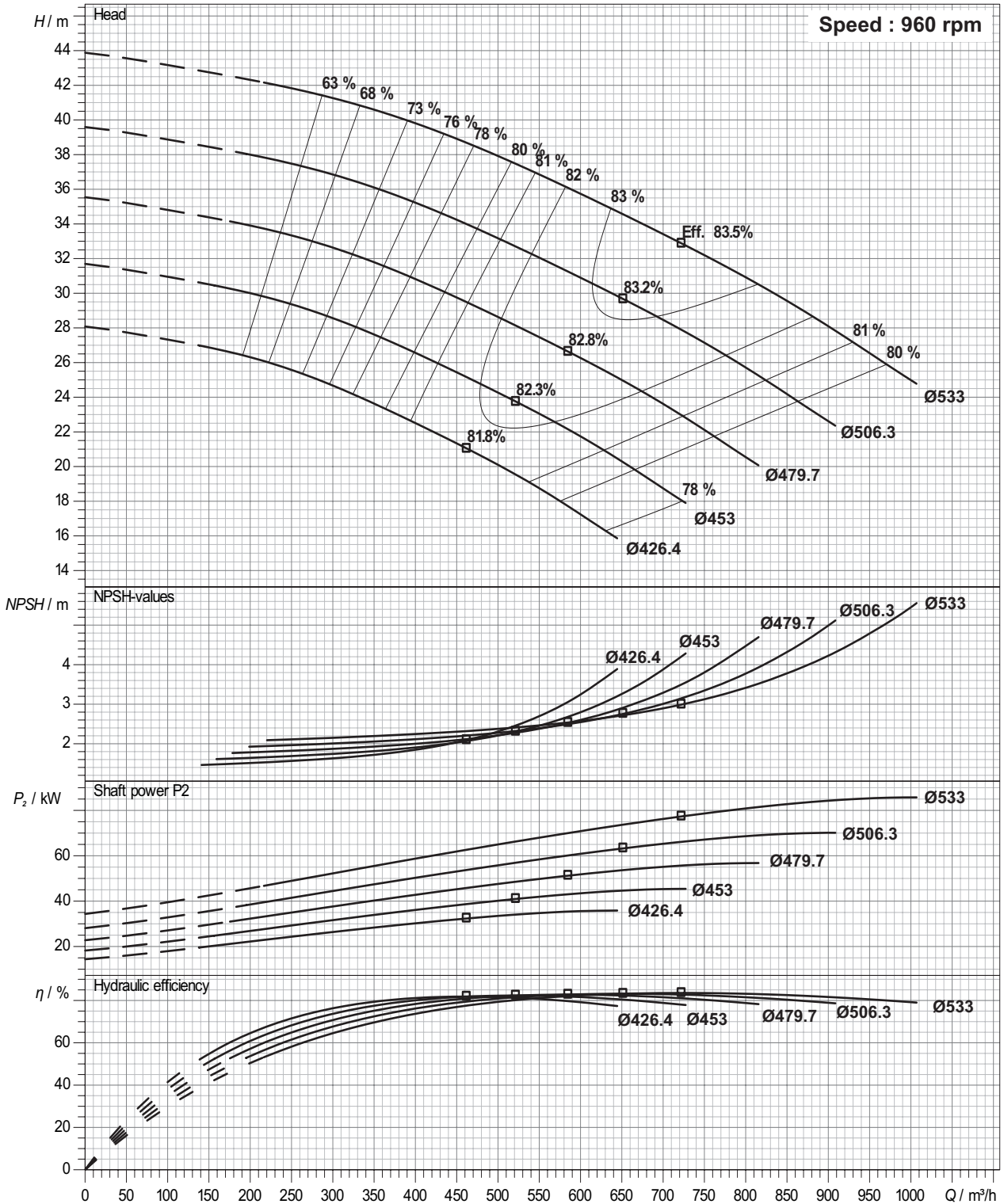
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PERFORMANCE CURVE

Pump Model : ECP - 10 x 8 x 21
(250 x 200 x 530)

Pump Size in mm : 250 x 200
(Suc x Dis)



Performance curve tolerances are as per HI : 14.6 / ISO: 9906, Grade 2B

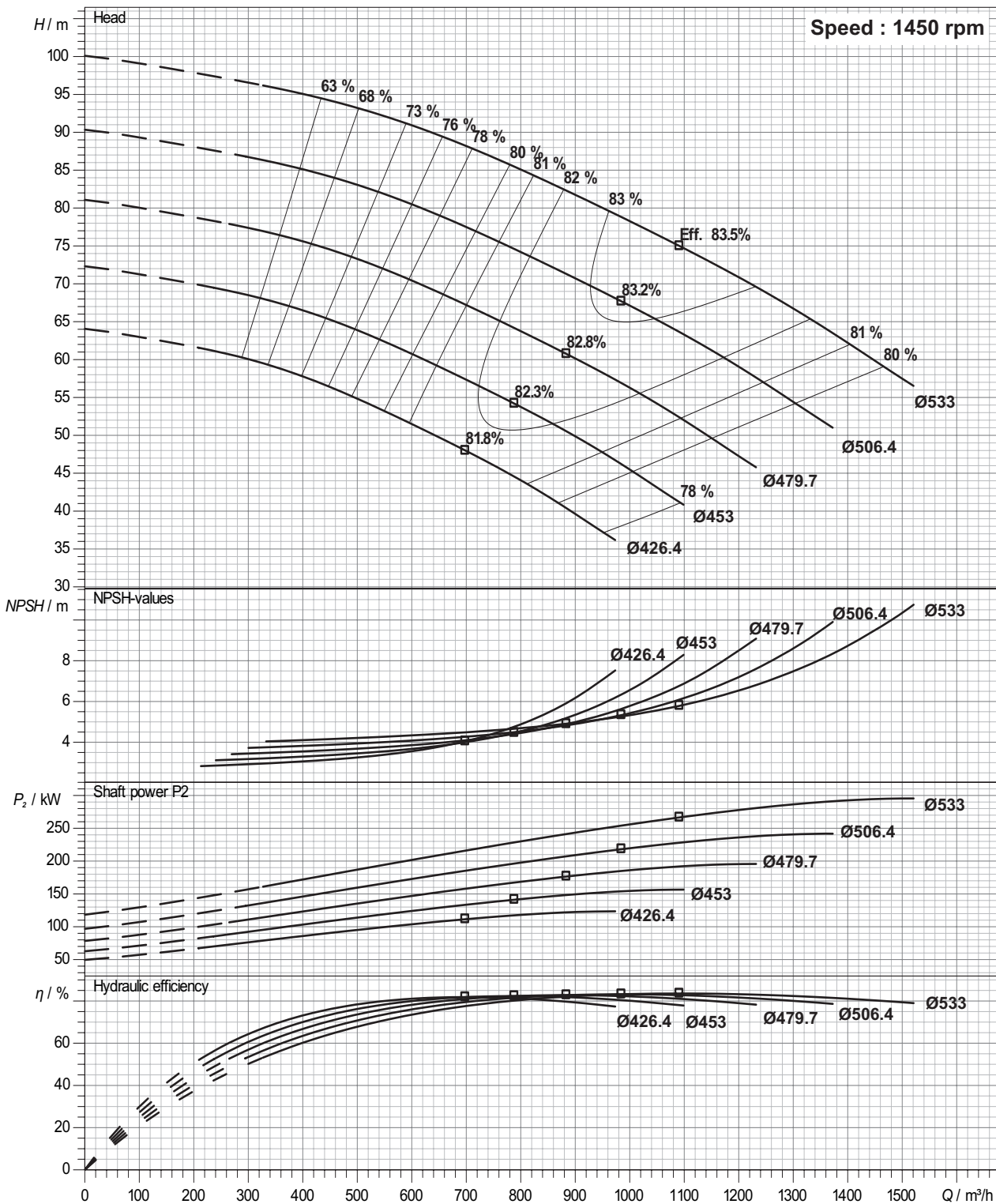
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PERFORMANCE CURVE

Pump Model : ECP - 10 x 8 x 21
(250 x 200 x 530)

Pump Size in mm : 250 x 200
(Suc x Dis)



Performance curve tolerances are as per HI : 14.6 / ISO: 9906, Grade 2B

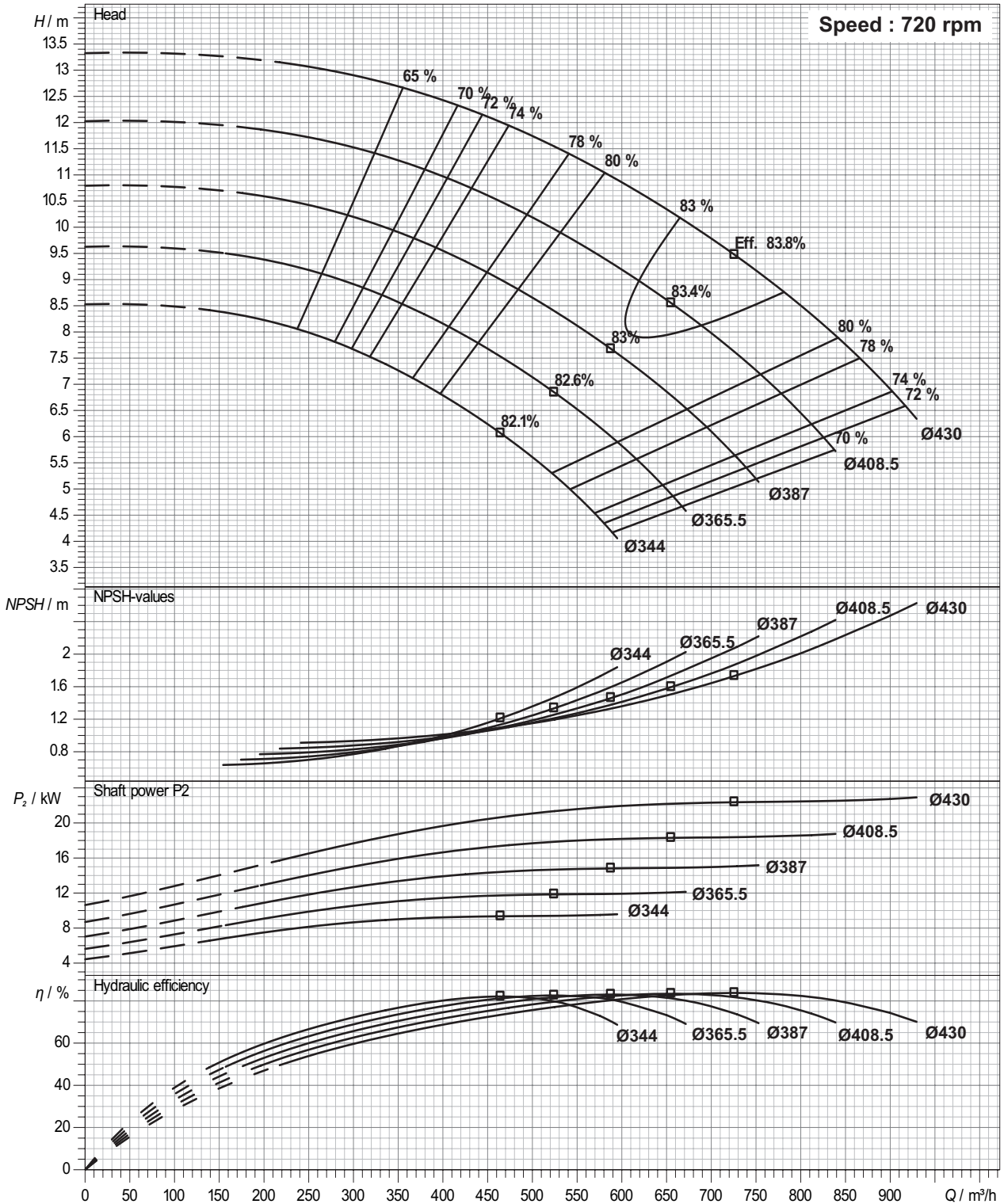
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PERFORMANCE CURVE

Pump Model : ECP - 12 x 10 x 17
(300 x 250 x 430)

Pump Size in mm : 300 x 250
(Suc x Dis)



Performance curve tolerances are as per HI : 14.6 / ISO: 9906, Grade 2B

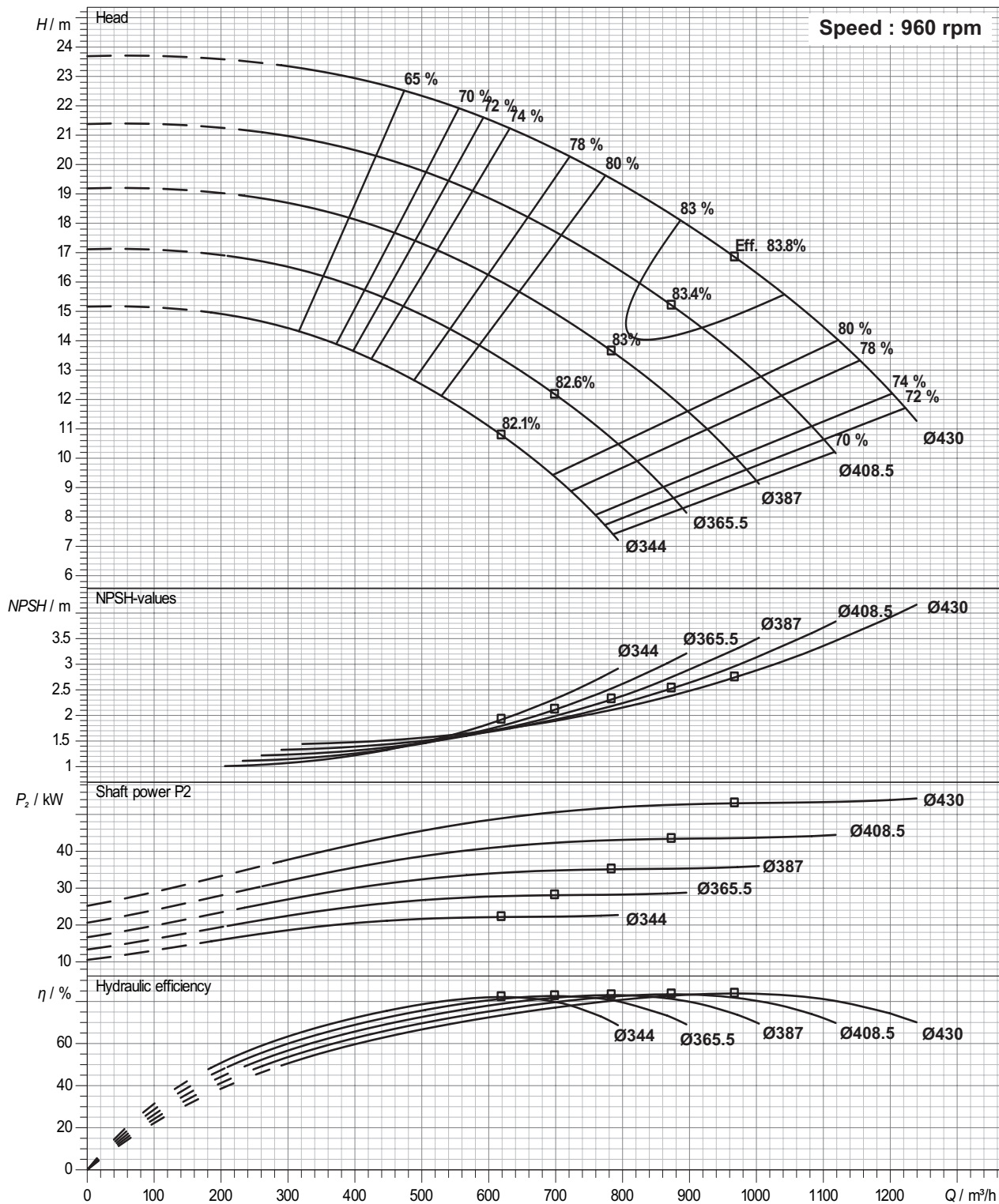
In view of continuous developments the information / performance / descriptions / specifications / illustrations are subject to change without notice



PERFORMANCE CURVE

Pump Model : ECP - 12 x 10 x 17
(300 x 250 x 430)

Pump Size in mm : 300 x 250
(Suc x Dis)



Performance curve tolerances are as per HI : 14.6 / ISO: 9906, Grade 2B

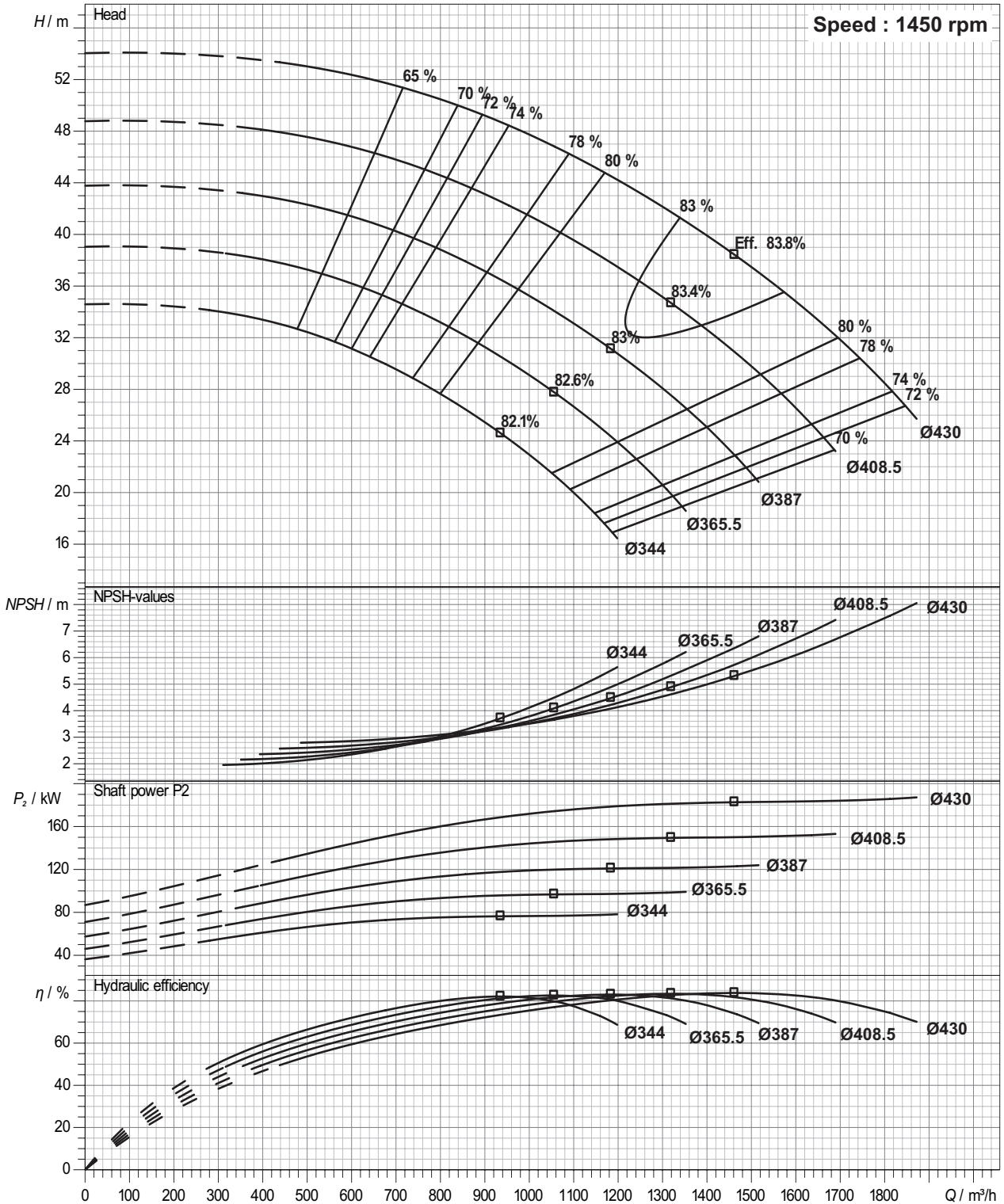
In view of continuous developments the information / performance / descriptions / specifications / illustrations are subject to change without notice



PERFORMANCE CURVE

Pump Model : ECP - 12 x 10 x 17
(300 x 250 x 430)

Pump Size in mm : 300 x 250
(Suc x Dis)



Performance curve tolerances are as per HI : 14.6 / ISO: 9906, Grade 2B

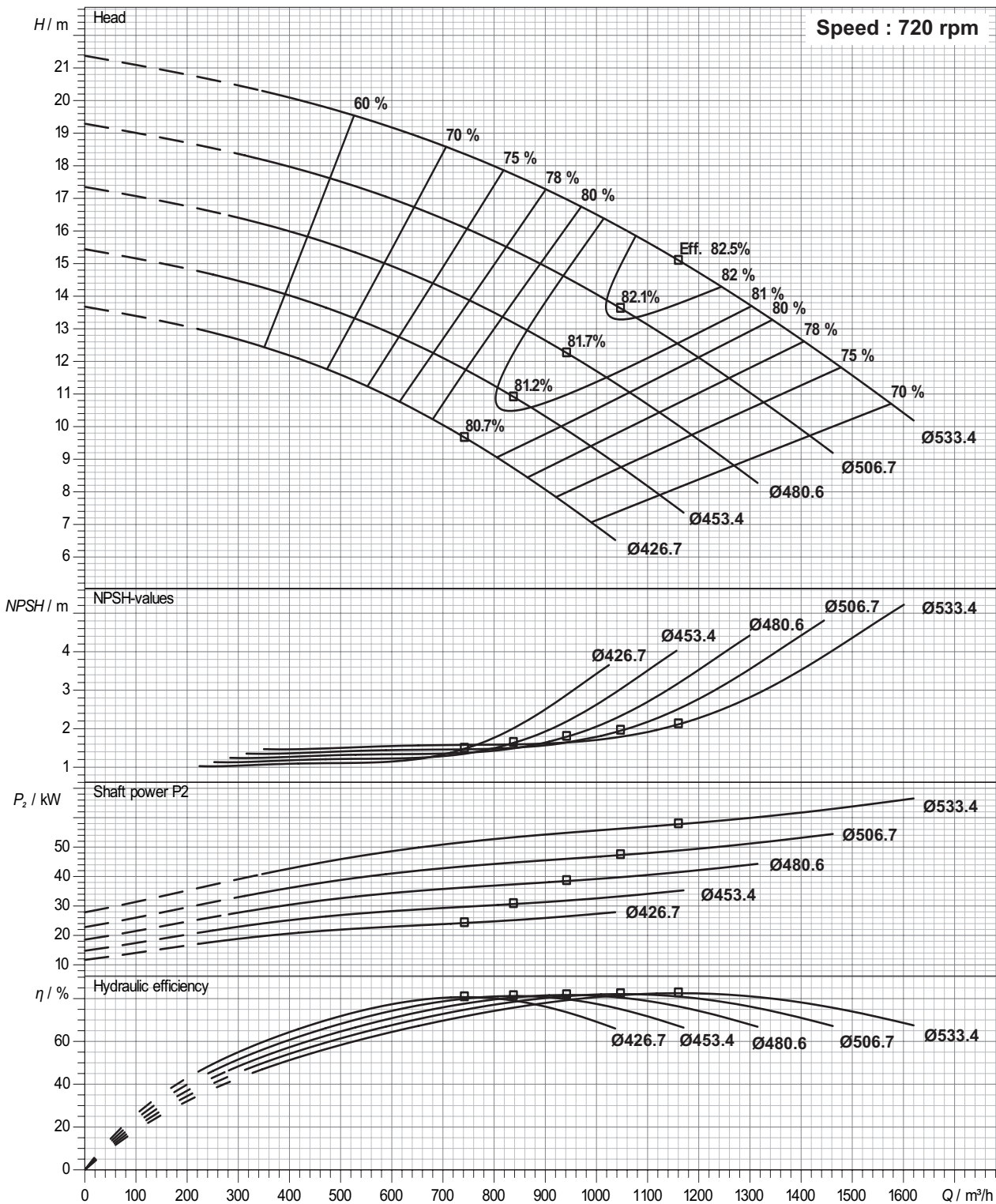
In view of continuous developments the information / performance / descriptions / specifications / illustrations are subject to change without notice



PERFORMANCE CURVE

Pump Model : ECP - 14 x 12 x 21
(350 x 300 x 530)

Pump Size in mm : 350 x 300
(Suc x Dis)



Performance curve tolerances are as per HI : 14.6 / ISO: 9906, Grade 2B

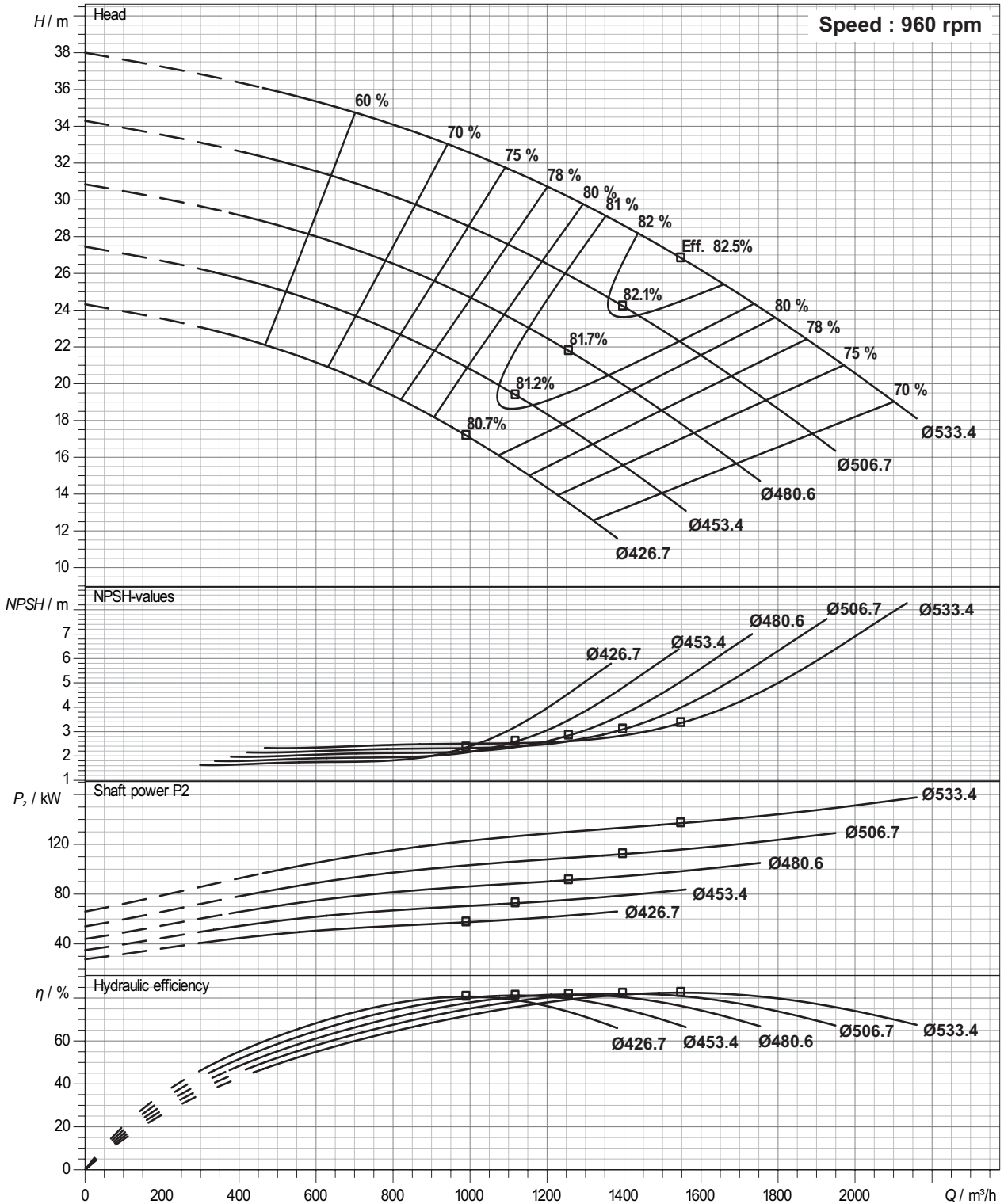
In view of continuous developments the information / performance / descriptions / specifications / illustrations are subject to change without notice



PERFORMANCE CURVE

Pump Model : ECP - 14 x 12 x 21
(350 x 300 x 530)

Pump Size in mm : 350 x 300
(Suc x Dis)



Performance curve tolerances are as per HI : 14.6 / ISO: 9906, Grade 2B

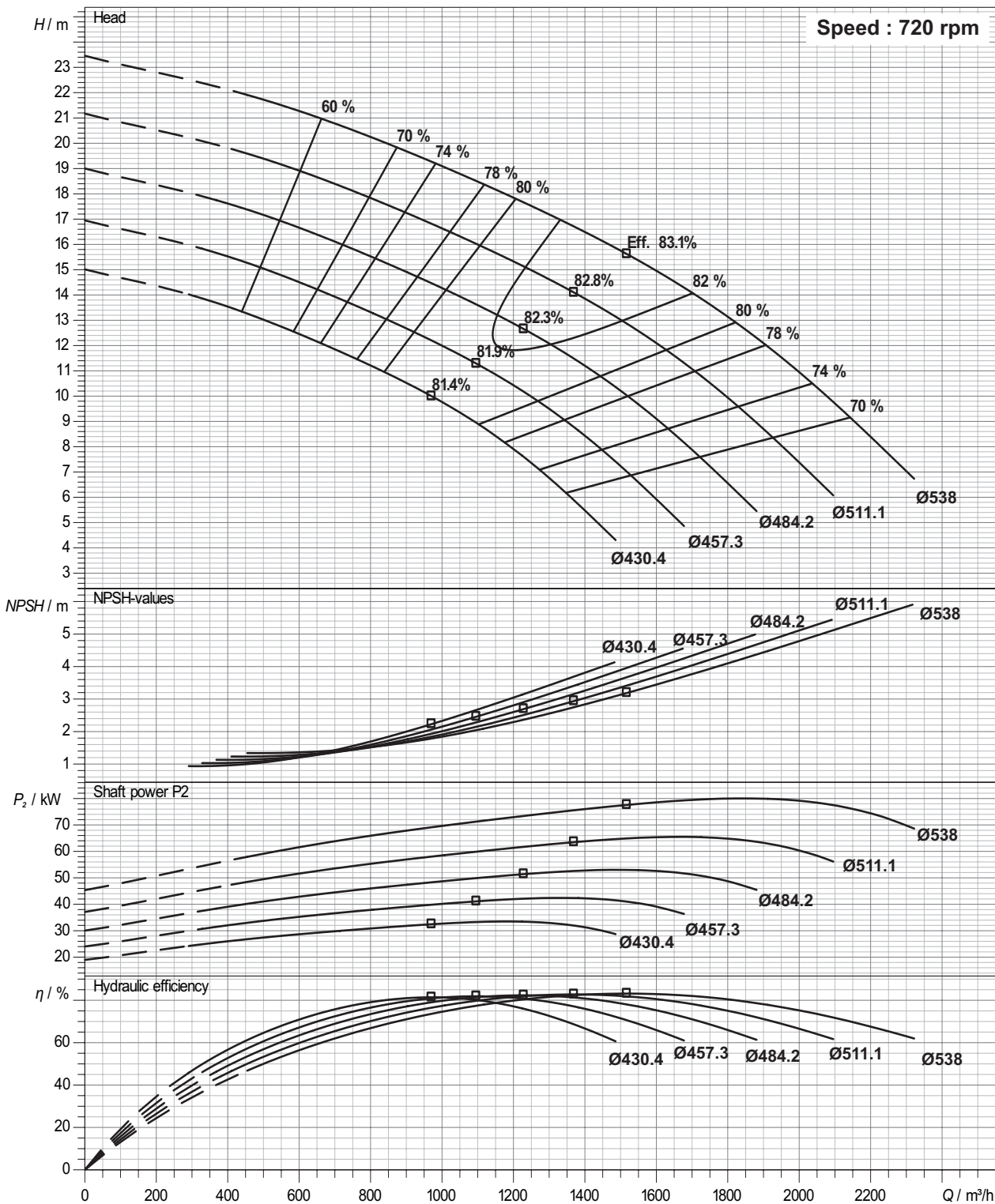
In view of continuous developments the information / performance / descriptions / specifications / illustrations are subject to change without notice



PERFORMANCE CURVE

Pump Model : ECP - 16 x 14 x 21
(400 x 350 x 530)

Pump Size in mm : 400 x 350
(Suc x Dis)



Performance curve tolerances are as per HI : 14.6 / ISO: 9906, Grade 2B

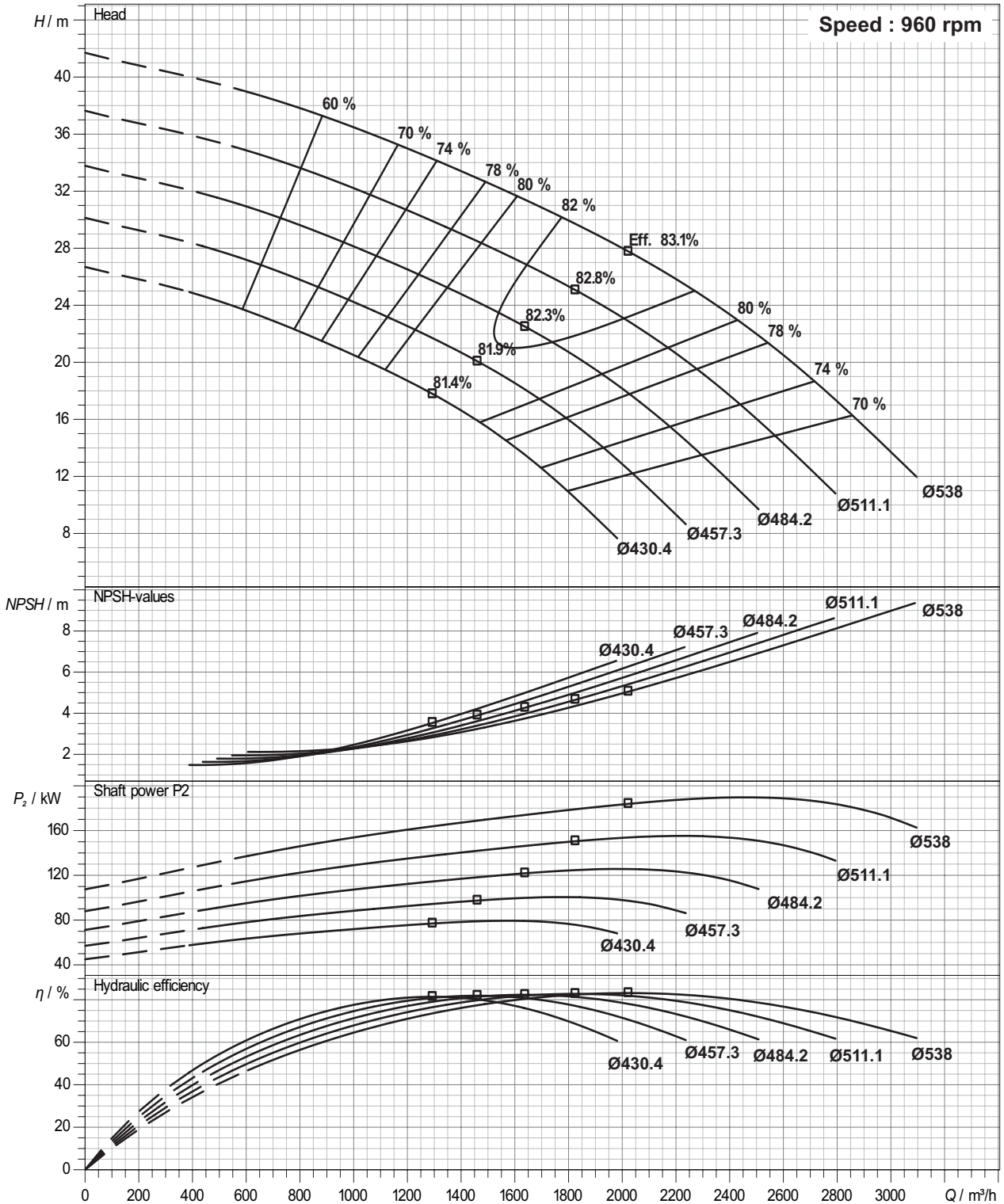
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Pump Size in mm : 400 x 350
(Suc x Dis)



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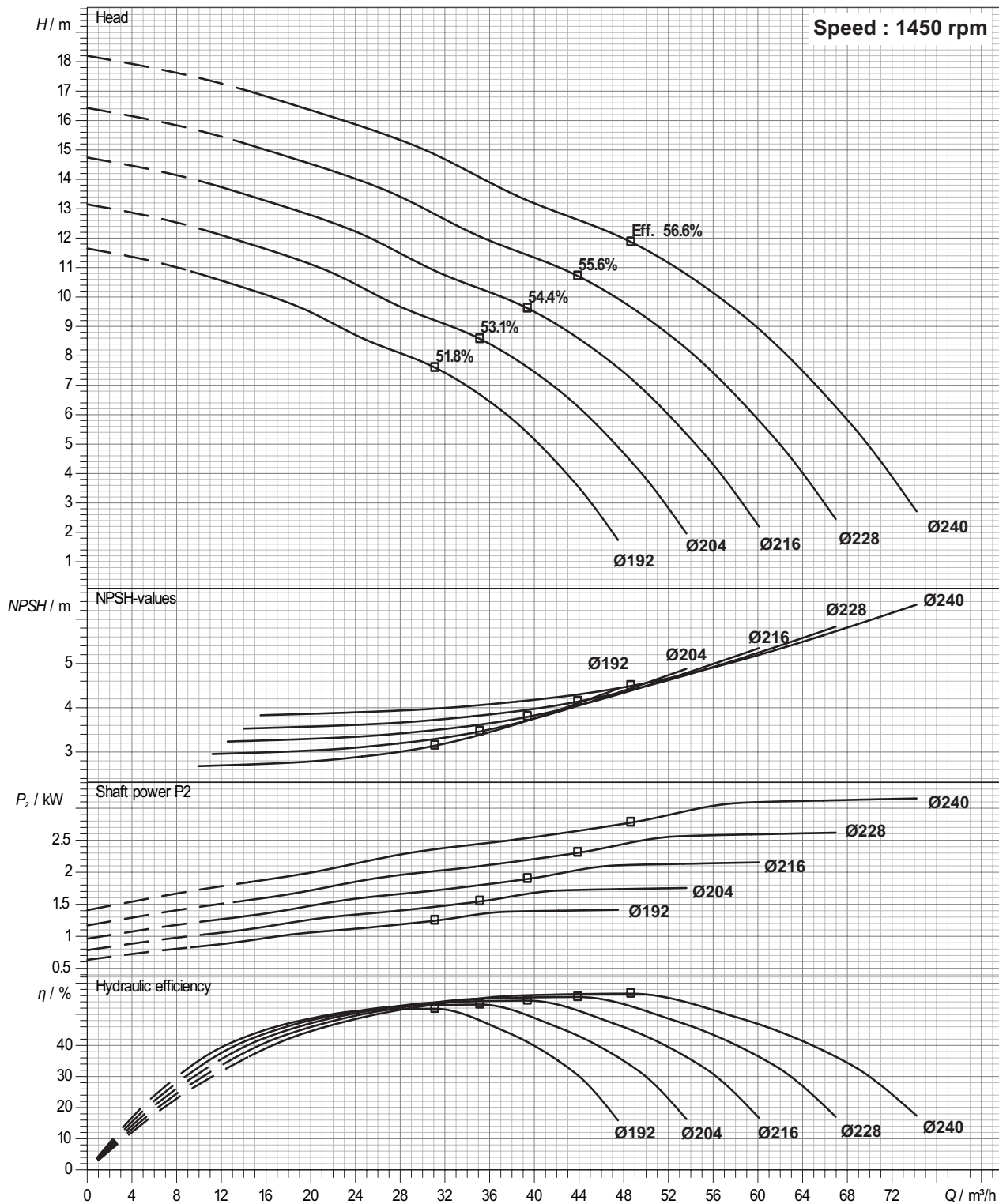
In view of continuous developments the information / performance / descriptions / specifications / illustrations are subject to change without notice



PERFORMANCE CURVE

Pump Model : ECP - 3 x 2.5 x 10.5
(80 x 65 x 260)

Pump Size in mm : 80 x 65
(Suc x Dis)



Performance curve tolerances are as per HI : 14.6 / ISO: 9906, Grade 2B

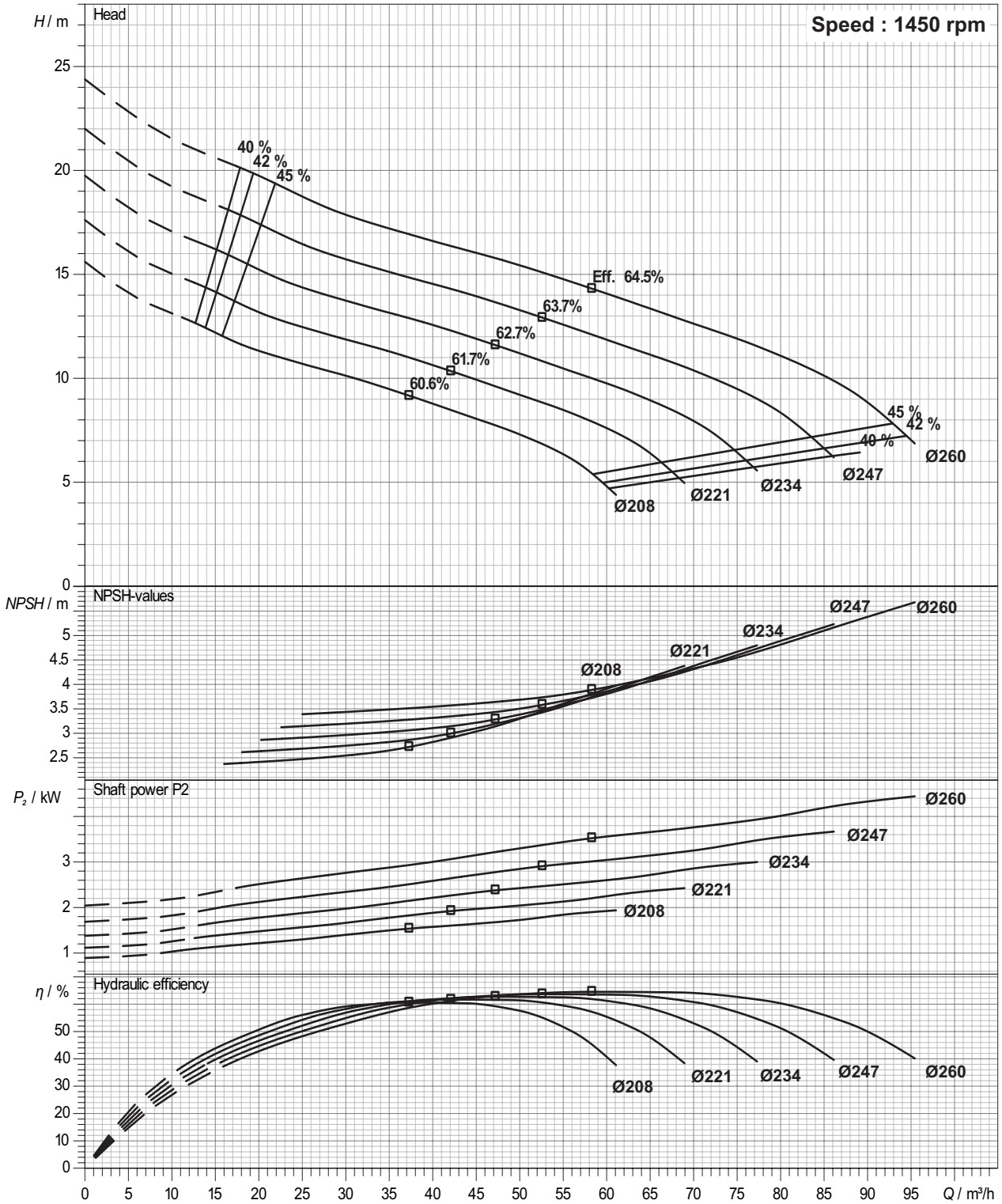
In view of continuous developments the information / performance / descriptions / specifications / illustrations are subject to change without notice



PERFORMANCE CURVE

Pump Model : ECP - 3 x 2.5 x 11
(80 x 65 x 280)

Pump Size in mm : 80 x 65
(Suc x Dis)



Performance curve tolerances are as per HI : 14.6 / ISO: 9906, Grade 2B

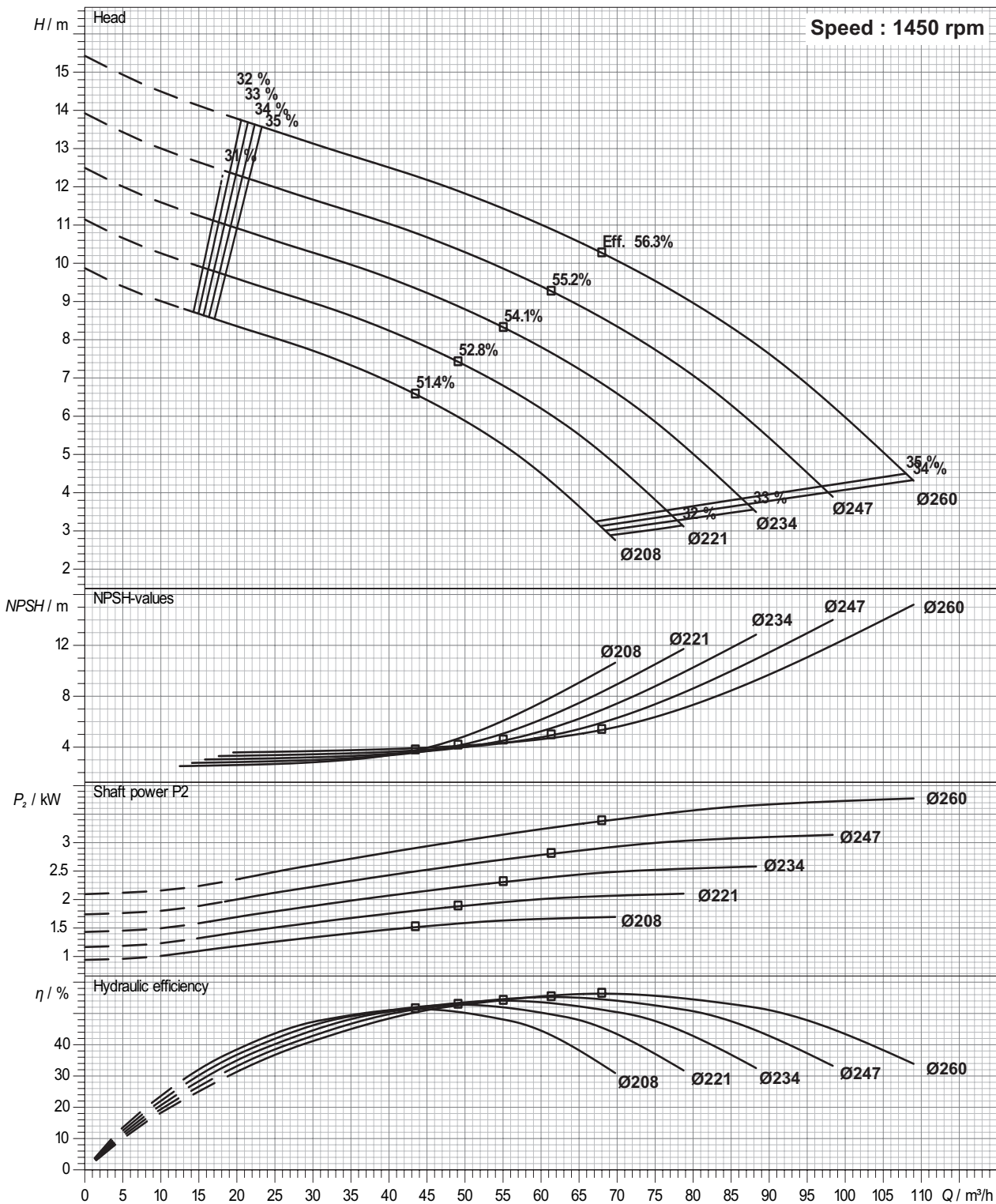
In view of continuous developments the information / performance / descriptions / specifications / illustrations are subject to change without notice



PERFORMANCE CURVE

Pump Model : ECP - 4 x 3 x 10.5
(100 x 80 x 260)

Pump Size in mm : 100 x 80
(Suc x Dis)



Performance curve tolerances are as per HI : 14.6 / ISO: 9906, Grade 2B

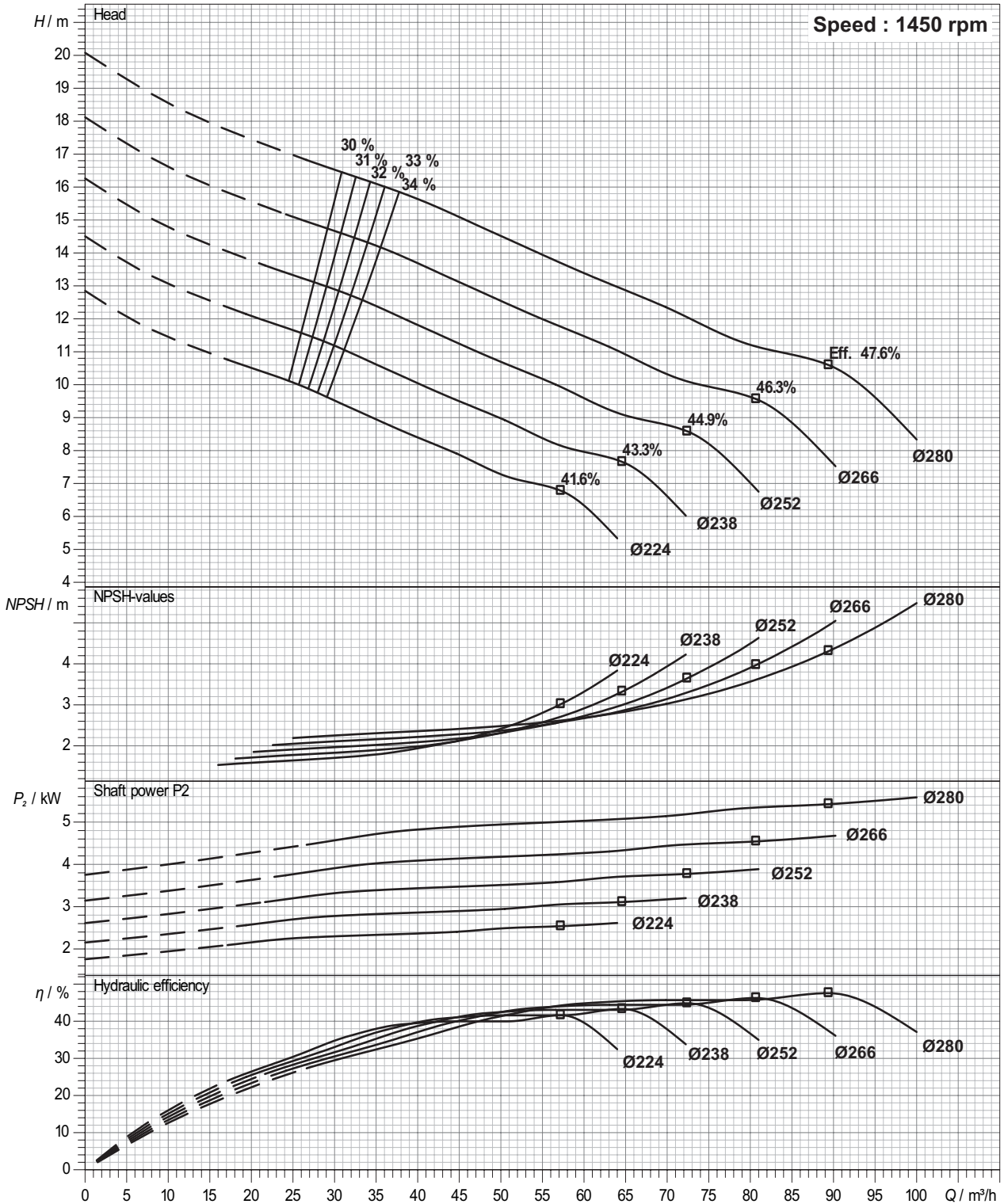
In view of continuous developments the information / performance / descriptions / specifications / illustrations are subject to change without notice



PERFORMANCE CURVE

Pump Model : ECP - 4 x 3 x 11
(100 x 80 x 280)

Pump Size in mm : 100 x 80
(Suc x Dis)



Performance curve tolerances are as per HI : 14.6 / ISO: 9906, Grade 2B

In view of continuous developments the information / performance / descriptions / specifications / illustrations are subject to change without notice

W I N N I N G W A Y S

When you have a good thing going it is quite in the fitting of things that recognitions come our way. Several prestigious awards, which decorate our shelf, say it all. These rewards not only acknowledge our position as a leader in the water pump industry but also serve as reminders about what the customer expects from a winner. And we, as ever, have our ears perfectly tuned to customer expectations.



C.R.I. PUMPS (PVT) LIMITED

(International Division)

7/46-1, Keeranatham Road, Saravanampatty, Coimbatore - 641 035. India.

Phone : +91-422-7117310, 7117312, Fax : +91-422-7117300, e-mail : cri@crifluidsystems.com website : www.crifluidsystems.com

BOMBAS C.R.I. ESPAÑA, S.L.

Polígono Industrail El.Bony Calle 31, No. 137, 46470
Catarroja (Valencia) Spain.

Tel : +34-96 1842 974, Fax : +34-96 1842 977

E-mail : admin-es@crifluidsystems.com, www.crifluidsystems.com

C.R.I. BOMBAS HIDRÁULICAS LTDA

Av. Rodrigo Fernando Grillo, 457, Jd. Manacas,
CEP - 14.801-534, Araraquara - SP, Brasil.

Fone : +55-16-3331 1099, Fax : +55-16-3331 5344

e-mail : cri@cribombas.com.br website : www.cribombas.com.br

Filial : Jaboatão dos Guararapes-PE, Brasil

Fone : (81) 3093-9620, Fax : (81) 3093-9600

C.R.I. FLUID SYSTEMS MEXICO S.DE R.L. DE C.V

Ciudad De Mexico

E-mail : sales.mx@crifluidsystems.com

website : www.crifluidsystems.com

C.R.I. PUMPS (Shanghai) Co., Ltd.

Room 510, No 1855 Qixin Road, Minhang District,

Shanghai - 201101 China. Tel : +86-21-54405082, Fax : +86-21-54405083

e-mail : sales-chn@crifluidsystems.com web : www.crifluidsystems.com

C.R.I. FLUID SYSTEMS USA LLC.

620 N Fairfield St, Amarillo, Texas 79107, USA.

Tel : 832-430-4660 E-mail : sales.us@crifluidsystems.com

Website : www.crifluidsystems.com

C.R.I. PUMPS S.A. (PTY) LIMITED

Stand 63, Capital Hill Commercial Estate,

Cnr. K101 & Le Roux Avenue, Midrand -1685,

Johannesburg. South Africa. Phone : +27 11 8058631 /32,

E-mail : cri-za@crifluidsystems.com, Fax : +27-11-8058630

Web : www.crifluidsystems.com

C.R.I. PUMPS (FZC)

P.O. Box : 7988 , L1-10, Sharjah Airport International Free Zone

(SAIF-Zone) Sharjah. United Arab Emirates (UAE),

Tel: +971-6-5573041, email: service-uae@crifluidsystems.com

web: www.crifluidsystems.com

C.R.I. FLUID SYSTEMS INC.,

Polyland Industrial Subdivision, Warehouse #3, Block 4,

Kendex St., Bo. Iba, Meycauayan, Bulacan. Philippines. Zip-3017.

Phone : +63 44 762 8887 / +63 44 802 6199, Fax : +63 44 762 8888

E-mail : sales_ph@crigroups.com

Website : www.crifluidsystems.com

PT. CRI FLUID SYSTEMS

Boutique Office Jalan Kawasan Industri & Pergudangan Marunda Center Block C, No. 10, Kelurahan, Segaramakmur,

Kecamatan Tarumajaya Kabupaten, Bekasi, Jawa Barat, Indonesia -17211. Telepon : 021 88998118

E-mail : sales.id@crifluidsystems.com, Website : www.crifluidsystems.com