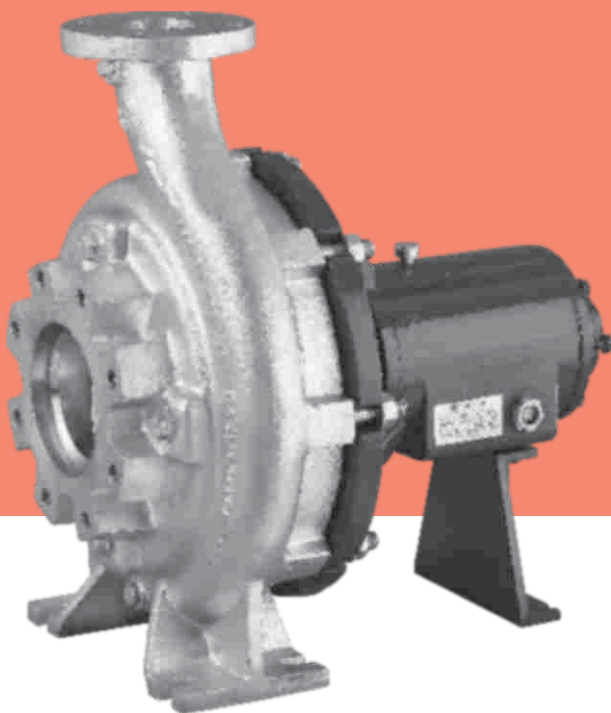
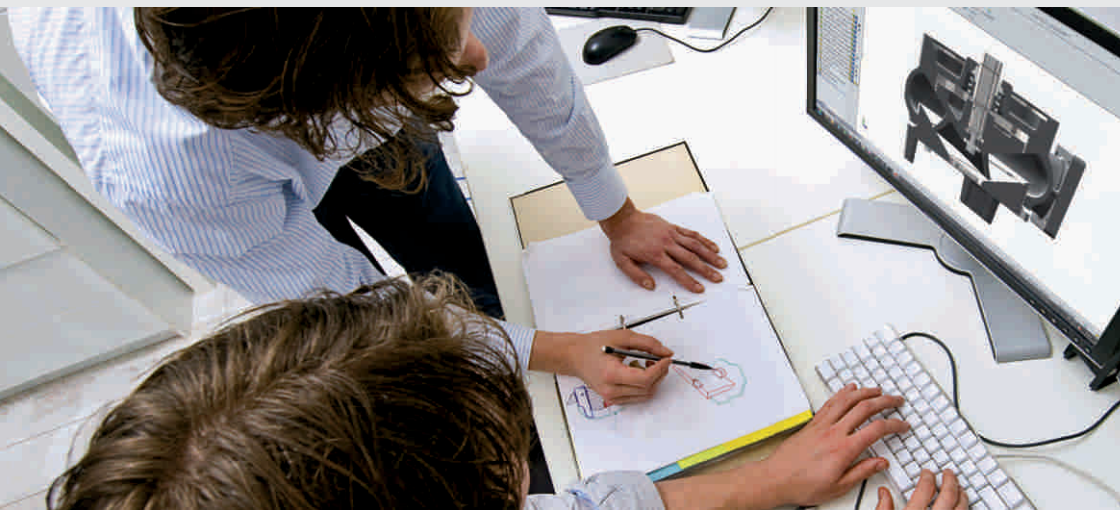


**END SUCTION PULP, PAPER
& PROCESS PUMPS
FECF Series (50Hz)**

Zirantec



www.zirantec.com



ZIRANTEC products are designed & manufactured by well qualified and experienced Engineers in state of the art manufacturing facilities

CERTIFICATION



ZIRANTEC Pumps & Motors are from the house of **Fabbrica Italiana Pompe Sommersibili S.r.l.** a four decades old Italian company of high repute, offering complete waste water solutions around the world. Its current product portfolio includes world class Waste Water Pumps of various types, Multistage Centrifugal Pressure Booster Pumps, Borehole Submersible Pumps & Motors, End Suction Centrifugal Pumps, Industrial Pumps for various applications.

Founded as early as 1978 in Rozzano, South of Milan, Italy by Mr.Orfeo Agostini, the company has witnessed steady growth and market expansion continuously ever since. In these four decades of existence, the company has carved a niche for itself in the waste water and sewage pump market in Italy and other countries. Its products are employed in Municipal, Domestic and Industrial applications. The Company is well known for the unique and robust designs of its products and their workmanship. Due to its superior quality ZIRANTEC products are also exported to many European, African and Asian countries.

ZIRANTEC's products are designed and manufactured to meet high quality Standards and they are 'CE' certified. The Facility is accredited with ISO 9001 Certification.

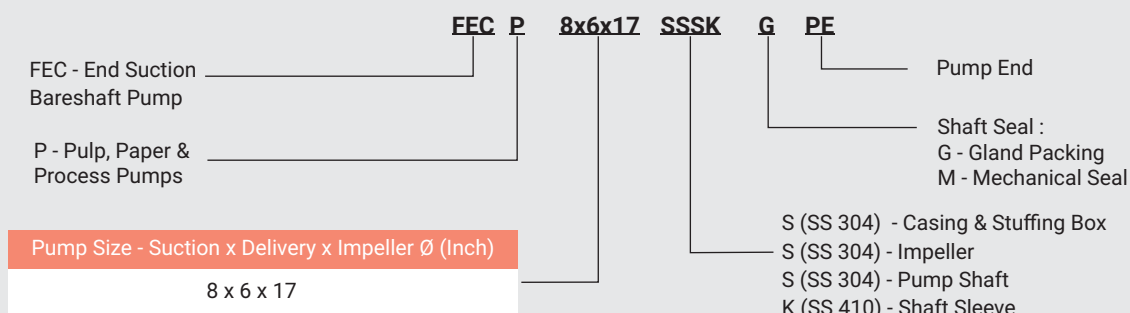
Over the years, the company has metamorphosed and ventured into manufacturing of high quality water pumps, for domestic, agricultural and industrial applications. In the due process, Fabbrica Italiana Pompe Sommersibili S.r.l. has shed its image of an exclusive sewage and waste water pumps manufacturer to a complete pump production company with an ability to manufacture diverse kinds of pumps for different applications.

C O N T E N T S

END SUCTION PULP, PAPER & PROCESS PUMPS FECF SERIES (50Hz)

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MODEL IDENTIFICATION CODE



MATERIALS OF CONSTRUCTION

TYPE - WWSS

Parts Name	Material (Code)	SAE/AISI	DIN	EUROPEAN
Casing	WCB (W)	ASTM A216 WCB	1.0619	GP240GH
Impeller	WCB (W)	ASTM A216 WCB	1.0619	GP240GH
Stuffing Box	WCB (W)	ASTM A216 WCB	1.0619	GP240GH
Wear Plate	WCB (W)	ASTM A216 WCB	1.0619	GP240GH
Bearing Housing	Cast Iron (C)	ASTM A48 class 30B	(0.6020) GG20	EN-GJL-220
Shaft	SS 304 (S)	ASTM A276 AISI 304	1.4301	X5CrNi18-10
Shaft Sleeve	SS 304 (S)	ASTM A276 AISI 304	1.4301	X5CrNi18-10

TYPE - SSSS

Parts Name	Material (Code)	SAE/AISI	DIN	EUROPEAN
Casing	SS 304 (S)	ASTM A743 / A351 CF8	1.4308	X5CrNi18-9
Impeller	SS 304 (S)	ASTM A743 / A351 CF8	1.4308	X5CrNi18-9
Stuffing Box	SS 304 (S)	ASTM A743 / A351 CF8	1.4308	X5CrNi18-9
Wear Plate	SS 304 (S)	ASTM A743 / A351 CF8	1.4308	X5CrNi18-9
Bearing Housing	Cast Iron (C)	ASTM A48 class 30B	(0.6020) GG20	EN-GJL-220
Shaft	SS 304 (S)	ASTM A276 AISI 304	1.4301	X5CrNi18-10
Shaft Sleeve	SS 304 (S)	ASTM A276 AISI 304	1.4301	X5CrNi18-10

TYPE - NNNN

Parts Name	Material (Code)	SAE/AISI	DIN	EUROPEAN
Casing	SS 316 (N)	ASTM A743 / A351 CF8M	1.4408	X6CrNiMo18-10
Impeller	SS 316 (N)	ASTM A743 / A351 CF8M	1.4408	X6CrNiMo18-10
Stuffing Box	SS 316 (N)	ASTM A743 / A351 CF8M	1.4408	X6CrNiMo18-10
Wear Plate	SS 316 (N)	ASTM A743 / A351 CF8M	1.4408	X6CrNiMo18-10
Bearing Housing	Cast Iron (C)	ASTM A48 class 30B	(0.6020) GG20	EN-GJL-220
Shaft	SS 316 (N)	ASTM A276 AISI 316	1.4401	X5CrNiMo18-10
Shaft Sleeve	SS 316 (N)	ASTM A276 AISI 316	1.4401	X5CrNiMo18-10

Optional Materials : Duplex, Super Duplex and other materials are available on request.

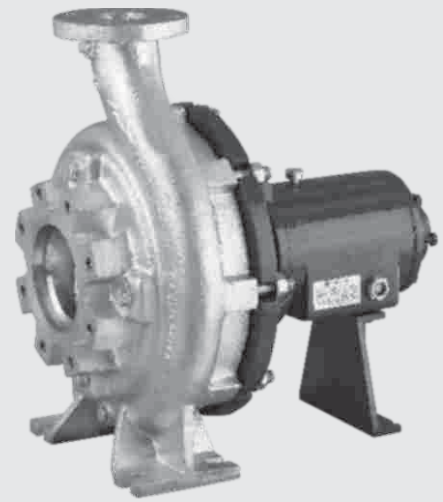
END SUCTION PULP, PAPER & PROCESS PUMPS - FECP SERIES

The FECP Series End Suction Pumps are robustly engineered to deliver high-efficiency, dependable performance in the most demanding industrial environments. Specifically designed for processing challenging fluids such as paper stock, pulp, and fibrous slurries, the FECP Series is an ideal solution for applications in the pulp & paper, sugar, food, and dairy industries.

Capable of handling slurries with consistencies up to 8%, these pumps excel in transferring thick, viscous, and solids-laden media. A key feature of the FECP Series is its adjustable impeller-to-wear plate clearance, which allows for precise performance tuning and significantly extends the service life of internal components. This adjustability is achieved through a simple shim system, enabling easy and accurate maintenance.

The pumps boast a modular design with interchangeable spare parts, simplifying servicing and minimizing downtime. This modularity contributes to reduced inventory costs and increased uptime for critical processes.

Offered in a variety of materials, and with gland packing and mechanical seal configurations, the FECP Series can be tailored to meet the specific operational requirements of a wide range of industries.



KEY FEATURES

- Back Pull-out Design
- High Efficiency
- Non-Clog Semi open impeller with bull nose ensures that smooth entry of liquid with fibrous Solids.
- Handle consistencies upto 8%
- External Impeller adjustments to maintain optimum hydraulic performance

APPLICATIONS

Paper Industry : Pulp, Paper and stock, de-inking process, bleaching, contaminated process liquids, pulp slurry, waste liquids, white water circulation, cooling water circulation, condensate pumping, chemical injection

Sugar Industry : Strained and unstrained juice transfer, bagasse and molasses transfer, contaminated process liquids, waste liquids, wastewater and sludge transfer, water circulation, process water, evaporation process.

Food Industry : Food Pulp, Sauces, juice and beverage transfer, sugar syrup, glucose and other sweetener liquid transfer, canning and bottling process, cooling water circulation

Brewery and Distillery Industry : Fermented liquid transfer, Alcohol and Distilled liquid transfer, waste liquid transfer, water circulation, canning and bottling process, cooling water circulation

Dairy Industry : milk and cream transfer, additive transfer, whey transfer, cooling water circulation.

Edible oil Industry : Solvent and oil transfer, acid and additive transfer, loading and unloading of oils, Canning and bottling process, cooling water circulation, hot liquid transfer, waste oil transfer

GENERAL PUMP SELECTION & OPERATION INSTRUCTIONS

1. All performance curves are based on water (specific gravity = 1.0; low viscosity). Corrections must be applied for fluids with different properties.
2. Select a motor or engine with sufficient power margin above the pump duty point. This prevents overloading under normal and transient operating conditions.
3. Always calculate NPSHA (Net Positive Suction Head Available) carefully, especially when pumping hot or cold liquids with negative or positive suction. Account for vapor pressure effects.
4. Ensure $NPSHA \geq NPSHR + 0.5m$ to avoid cavitation during both negative and positive suction conditions.
5. For high-viscosity fluids, apply viscosity correction factors to head, flow and efficiency.
6. Choose pumps to operate within 70% to 120% of the Best Efficiency Point (BEP) against flow. Operating within this range ensures better efficiency, reliability, and reduced wear.
7. Select pump materials based on fluid properties:
 - i. Chemical compatibility
 - ii. Operating temperature
 - iii. Abrasiveness or corrosiveness
8. Use suction and discharge piping at least one nominal size larger than the pump nozzle to reduce friction losses and turbulence.
9. Delivery Side:
 - i. Install a Non-Return Valve (NRV) to prevent backflow.
 - ii. Install a gate or globe valve to control flow during start-up/shutdown.
10. Start-Up and Shut-Down Procedure:
 - i. Keep the delivery valve closed when starting or stopping the pump.
 - ii. For mixed flow pumps and pumps with a rising power curve toward shut-off, the pump must be started and stopped with the delivery valve in the open position, or as per the manufacturer's specific recommendations.
11. All pump performance curve tolerances conform to HI : 14.6 / ISO : 9906 Grade 2B standards.

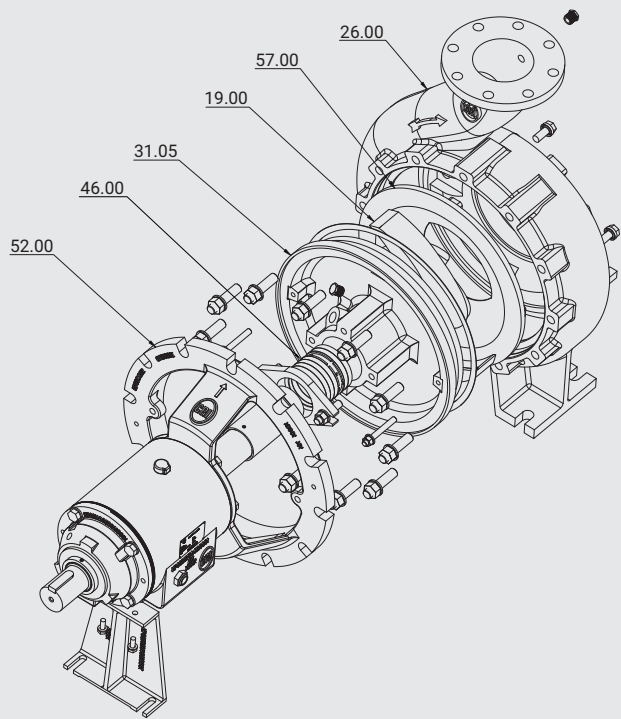
TECHNICAL SPECIFICATIONS

Head Range	10 - 102m
Flow Range	20 - 3100m ³ /h
Speed	720 / 960 / 1450 rpm
Impeller Type	Semi Open Impeller
Outlet Size	2½" - 14"
Power Range	2 - 298kW
Maximum Liquid Temperature	-10°C to 90°C
Shaft Seal	Standard : Gland Packing Optional : Mechanical Seal
Bearing Lubrication	Oil
Flange Standard	ASME 16.5 Class 150
Maximum working Pressure	12 - 16 bar

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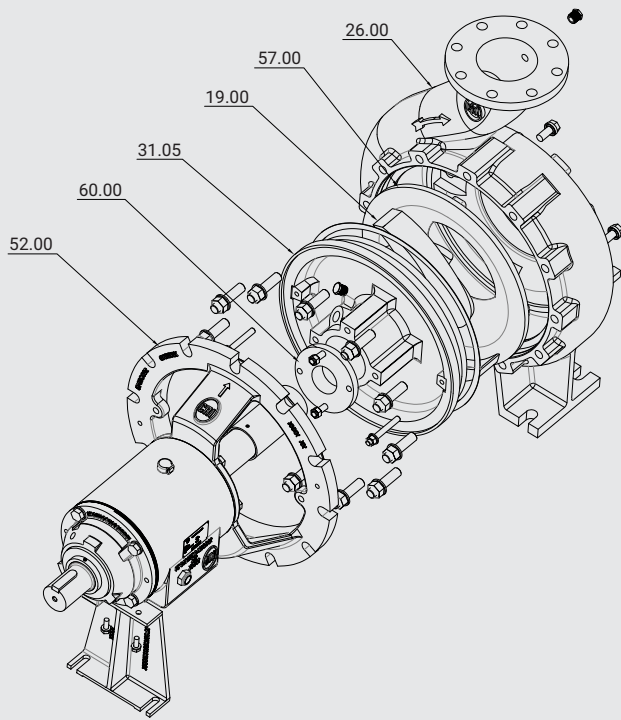
EXPLODED VIEW

GLAND PACKING 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

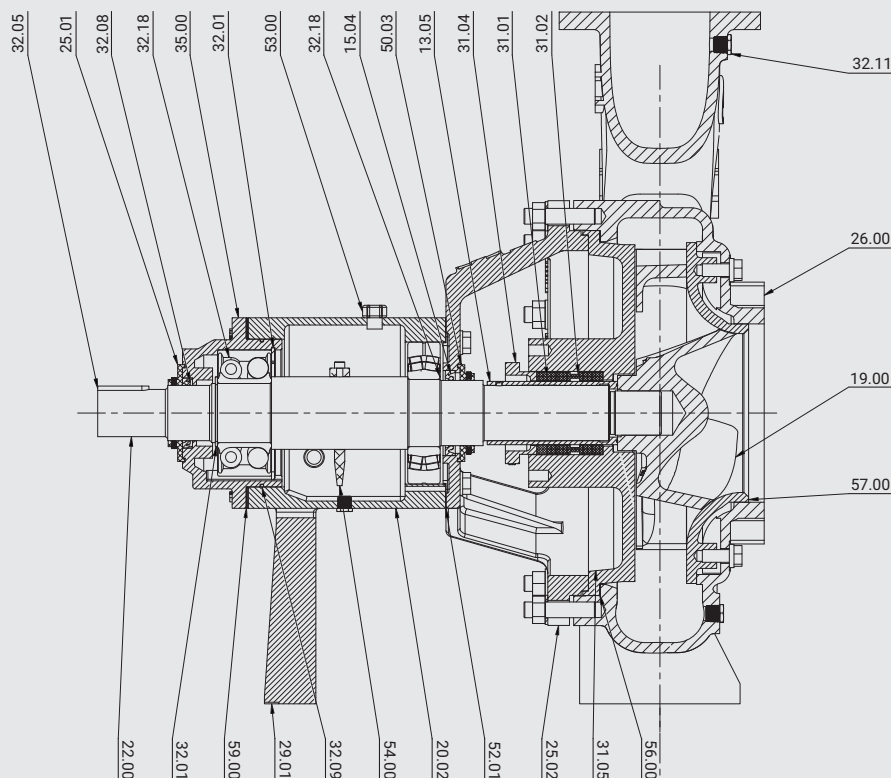
MECHANICAL SEAL CONSTRUCTION



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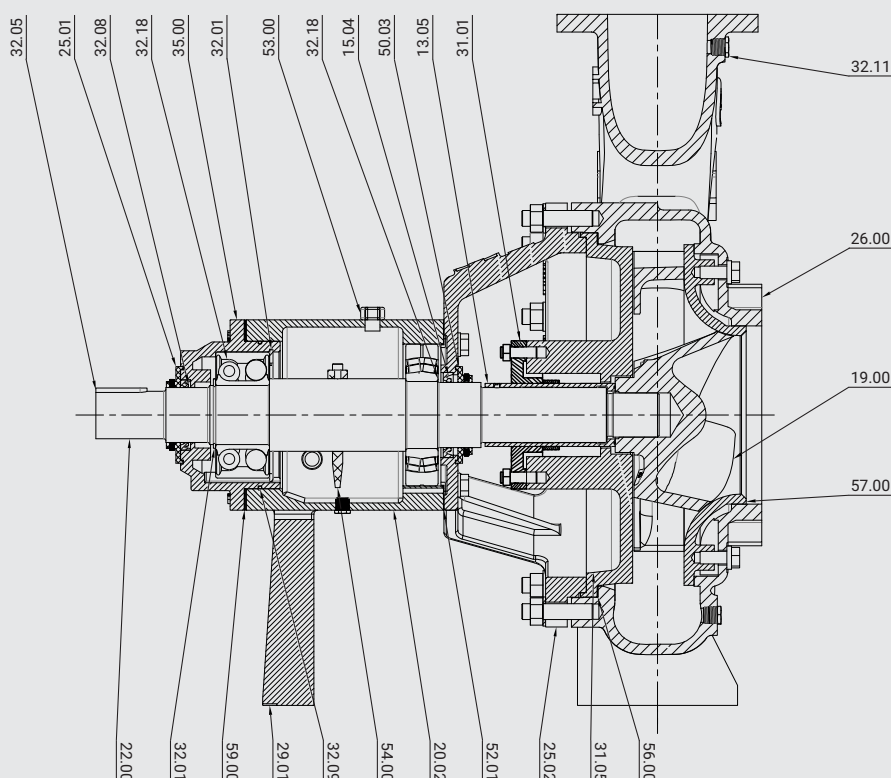
CROSS SECTIONAL DRAWING

GLAND PACKING 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	Gland 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

MECHANICAL SEAL CONSTRUCTION



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INTERCHANGEABILITY CHART

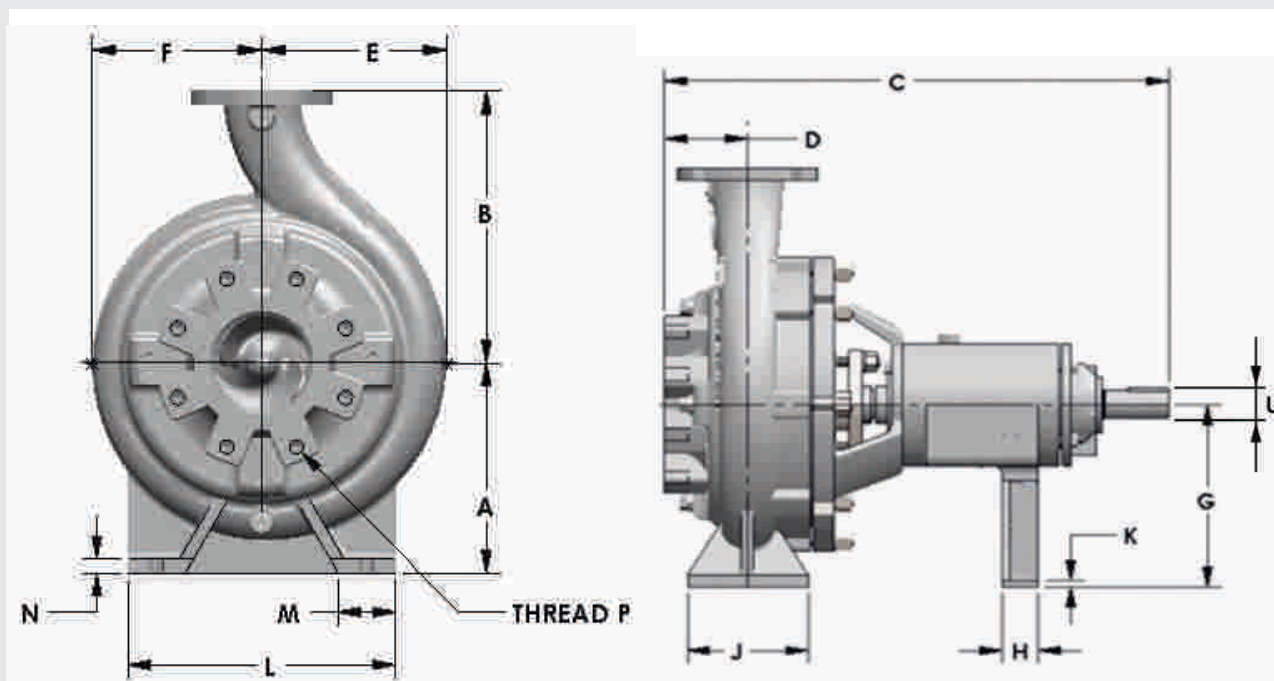
Part Name	6 x 3 x 14 (150 x 80 x 350)	6 x 4 x 14 (150 x 100 x 350)	8 x 4 x 17 (200 x 100 x 430)	8 x 5 x 17 (200 x 125 x 430)	8 x 6 x 21 (200 x 150 x 430)	10 x 8 x 21 (250 x 200 x 430)	12 x 10 x 17 (300 x 250 x 430)	8 x 6 x 21 (200 x 150 x 530)	10 x 8 x 21 (250 x 200 x 530)	14 x 12 x 21 (355 x 300 x 530)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

DETAILS OF STANDARD COMPONENTS

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 LENGTH (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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BARE SHAFT PUMP - MOUNTING DIMENSION



	Frame - I		Frame - II					Frame - III			
	150 x 80 x 350 (6 x 3 x 14)	150 x 100 x 350 (6 x 4 x 14)	200 x 100 x 430 (8 x 4 x 17)	200 x 125 x 430 (8 x 5 x 17)	200 x 150 x 430 (8 x 6 x 17)	250 x 200 x 430 (10 x 8 x 17)	300 x 250 x 430 (12 x 10 x 17)	200 x 150 x 530 (8 x 6 x 21)	250 x 200 x 530 (10 x 8 x 21)	350 x 300 x 530 (14 x 12 x 21)	400 x 350 x 530 (16 x 14 x 21)
A	279	279	368	368	368	432	435	432	432	546	610
B	362	362	559	508	508	559	613	660	711	813	864
C	689.2	685.5	827.7	844.6	859.4	872.1	928.2	1169.5	1175.3	1222.7	1288.6
D	114.3	114.3	128.2	132.1	139.7	139.2	180.8	152.4	154.9	177.8	243.8
E	245.4	248.4	363.6	327.2	359.6	403.1	467.2	418.1	456.7	560.2	631.7
F	225	225	305	280.9	294.7	313.7	334.2	358.8	368.6	422.3	453.2
G	279	279	368	368	368	432	432	432	432	546	610
H	50	50	65	65	65	65	65	70	70	70	70
J	165	165	203	203	203	203	203	254	254	254	254
K	10	10	10	10	10	12	12	14	14	15	15
L	355.6	355.6	445	445	445	445	445	610	685.8	685.8	685.8
M	76.2	76.2	101.6	101.6	101.6	101.6	101.6	152.7	152.4	152.4	152.4
N	19	19	25	25	25	25	25	25	25	25	25
P	M20x2.5	M20x2.5	M20x2.5	M20x2.5	M20x2.5	M24x3	M24x3	M20x2.5	M24x3	M24x3	M24x3
U	42	42	60	60	60	60	60	90	90	90	90

OVERALL RANGE AND PERFORMANCE DETAILS

Pump performance curve details at 720 rpm

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

OVERALL RANGE AND PERFORMANCE DETAILS

Pump performance curve details at 960 rpm

S. No.	Pump Size - Suction x Discharge / Impeller Sizes (inch) (mm)	Suction Nozzle Dia (mm)	Discharge Nozzle Dia (mm)	Maximum Power (kW)	Maximum Flow Rate (m³/h)	Maximum Total Head (m)	Maximum Suspended Solid Size (mm)	Pump Weight (kg)
1	6 x 3 x 14 (150 x 80 x 350)	150	80	5.5	113	21.5	38	275
2	6 x 4 x 14 (150 x 100 x 350)	150	100	10.0	185	21.6	41	275
3	8 x 4 x 17 (200 x 100 x 430)	200	100	21.0	280	29.8	38	470
4	8 x 6 x 17 (200 x 150 x 430)	200	150	32.5	580	29.5	76	500
5	10 x 8 x 17 (250 x 200 x 430)	250	200	41.7	700	27.9	63	550
6	8 x 6 x 21 (200 x 150 x 430)	200	150	74.0	725	44.0	76	850
7	10 x 8 x 21 (250 x 200 x 430)	250	200	85.7	1000	43.8	76	900
8	12 x 10 x 17 (300 x 250 x 430)	300	250	54.3	1250	23.6	38	650
9	14 x 12 x 21 (355 x 300 x 530)	350	300	157.7	2150	38.0	95	1050
10	16 x 14 x 21 (400 x 355 x 530)	400	350	189.7	3100	41.0	50	1350

OVERALL RANGE & PERFORMANCE DETAILS

Pump performance curve details at 1450 rpm

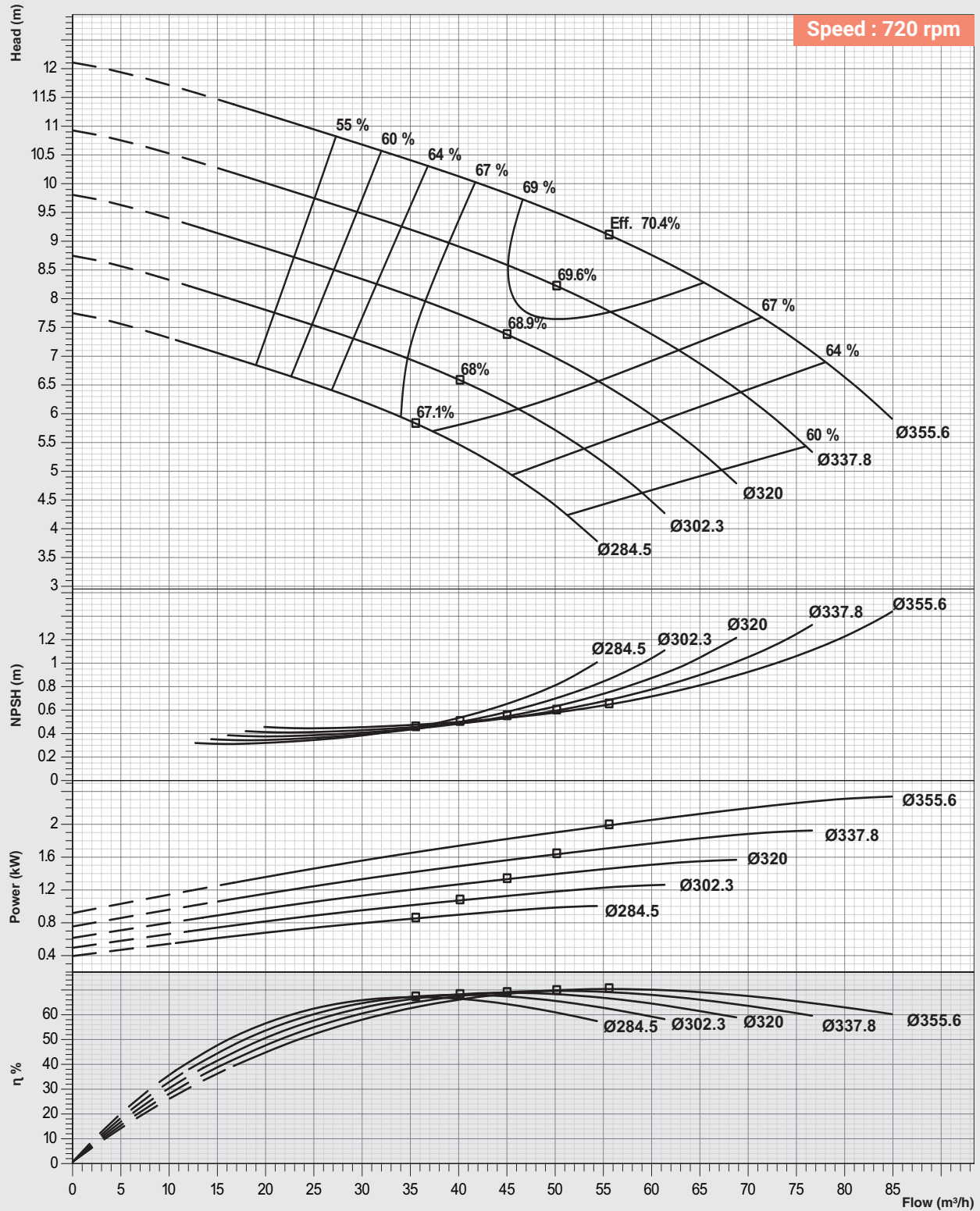
S. No.	Pump Size - Suction x Discharge / Impeller Sizes (inch) (mm)	Suction Nozzle Dia (mm)	Discharge Nozzle Dia (mm)	Maximum Power (kW)	Maximum Working Pressure (Bar)	Maximum Flow Rate (m³/h)	Maximum Total Head (m)	Maximum Suspended Solid Size (mm)	Pump Weight (kg)
1	3 x 2.5 x 10.5 (80 x 65 x 260)	80	65	3.2	1.8	75	18	22	77
2	3 x 2.5 x 11 (80 x 65 x 280)	80	65	4.5	2.4	96	24	23	77
3	4 x 3 x 10.5 (100 x 80 x 260)	100	80	3.7	1.5	109	15.5	30	86.5
4	4 x 3 x 11 (100 x 80 x 280)	100	80	5.6	2.0	100	20	32	86.5
5	6 x 3 x 14 (150 x 80 x 350)	150	80	19.1	4.8	172	49	38	275
6	6 x 4 x 14 (150 x 100 x 350)	150	100	35.0	4.8	280	49.3	41	275
7	8 x 4 x 17 (200 x 100 x 430)	200	100	73.0	6.8	430	68	38	470
8	8 x 5 x 17 (200 x 125 x 430)	200	125	93.0	6.7	550	68.3	63	480
9	8 x 6 x 17 (200 x 150 x 430)	200	150	112.0	6.7	880	67	76	500
10	8 x 6 x 21 (200 x 150 x 430)	200	150	255.0	10.0	1100	101	76	850
11	10 x 8 x 21 (250 x 200 x 430)	250	200	295.0	9.8	1500	100	76	900
12	10 x 8 x 17 (250 x 200 x 430)	250	200	143.0	6.3	1300	63.7	63	550
13	12 x 10 x 17 (300 x 250 x 430)	300	250	187.0	5.3	1850	50	38	650

PERFORMANCE CURVE

Pump Model : **FECP - 6 x 3 x 14**

Pump Size in mm (Suc X Del X Max. Imp Ø) : **6 x 3 x 14**
(150 x 80 x 355.6)

Speed : 720 rpm



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

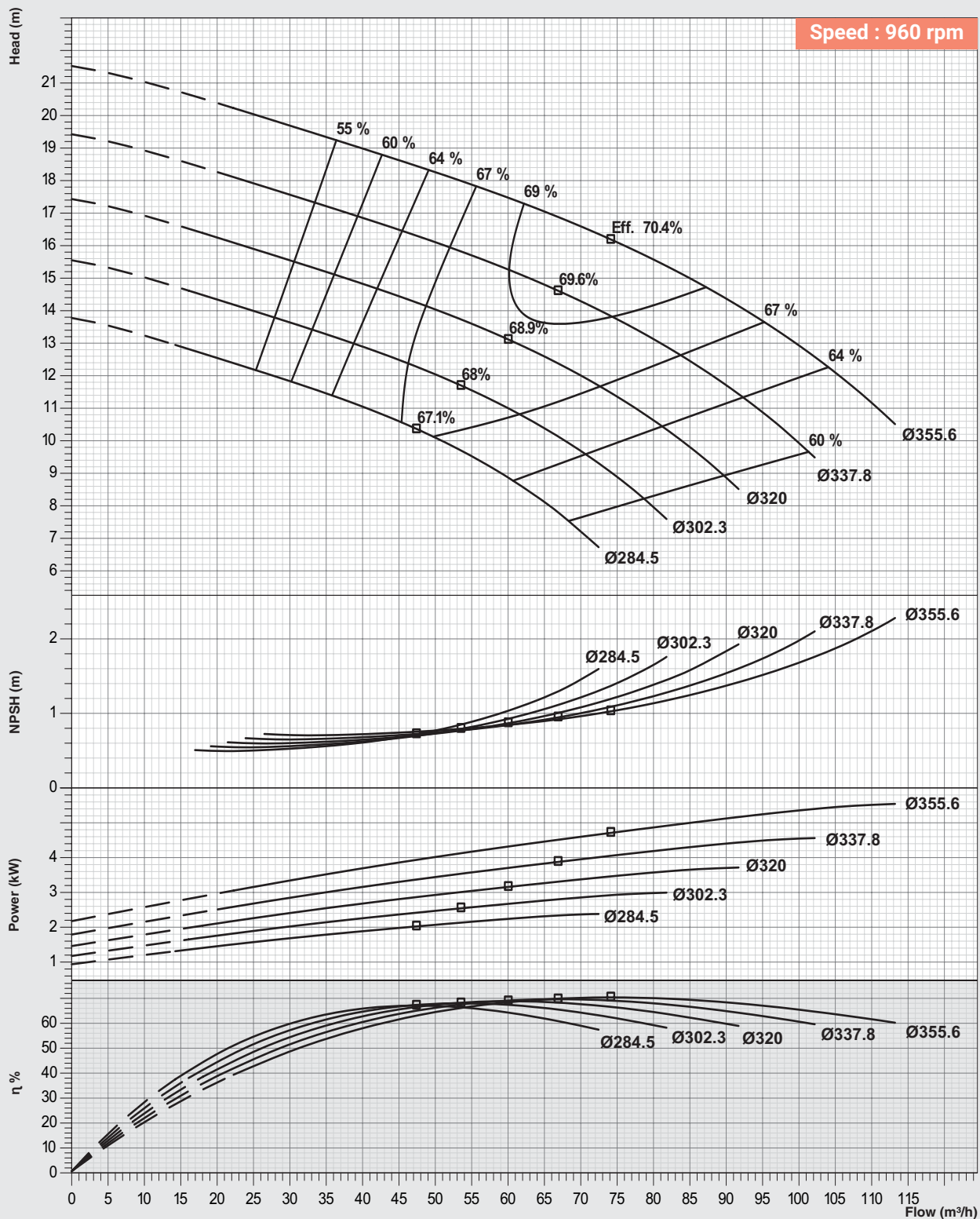
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PERFORMANCE CURVE

Pump Model : **FECP - 6 x 3 x 14**

Pump Size in mm (Suc X Del X Max. Imp Ø) : **6 x 3 x 14**
(150 x 80 x 355.6)

Speed : 960 rpm



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

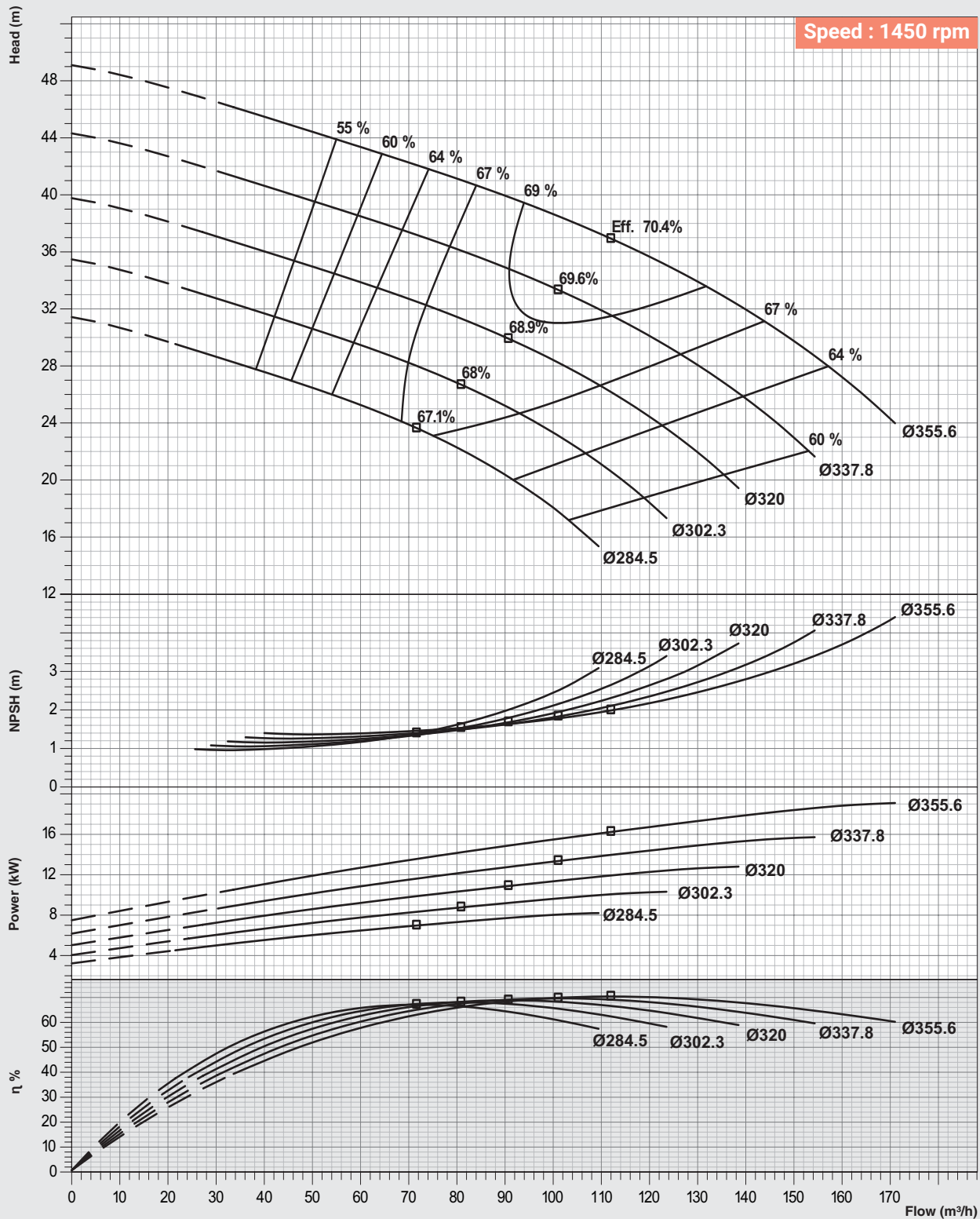
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PERFORMANCE CURVE

Pump Model : **FECP - 6 x 3 x 14**

Pump Size in mm (Suc X Del X Max. Imp Ø) : **6 x 3 x 14**
(150 x 80 x 355.6)

Speed : 1450 rpm



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

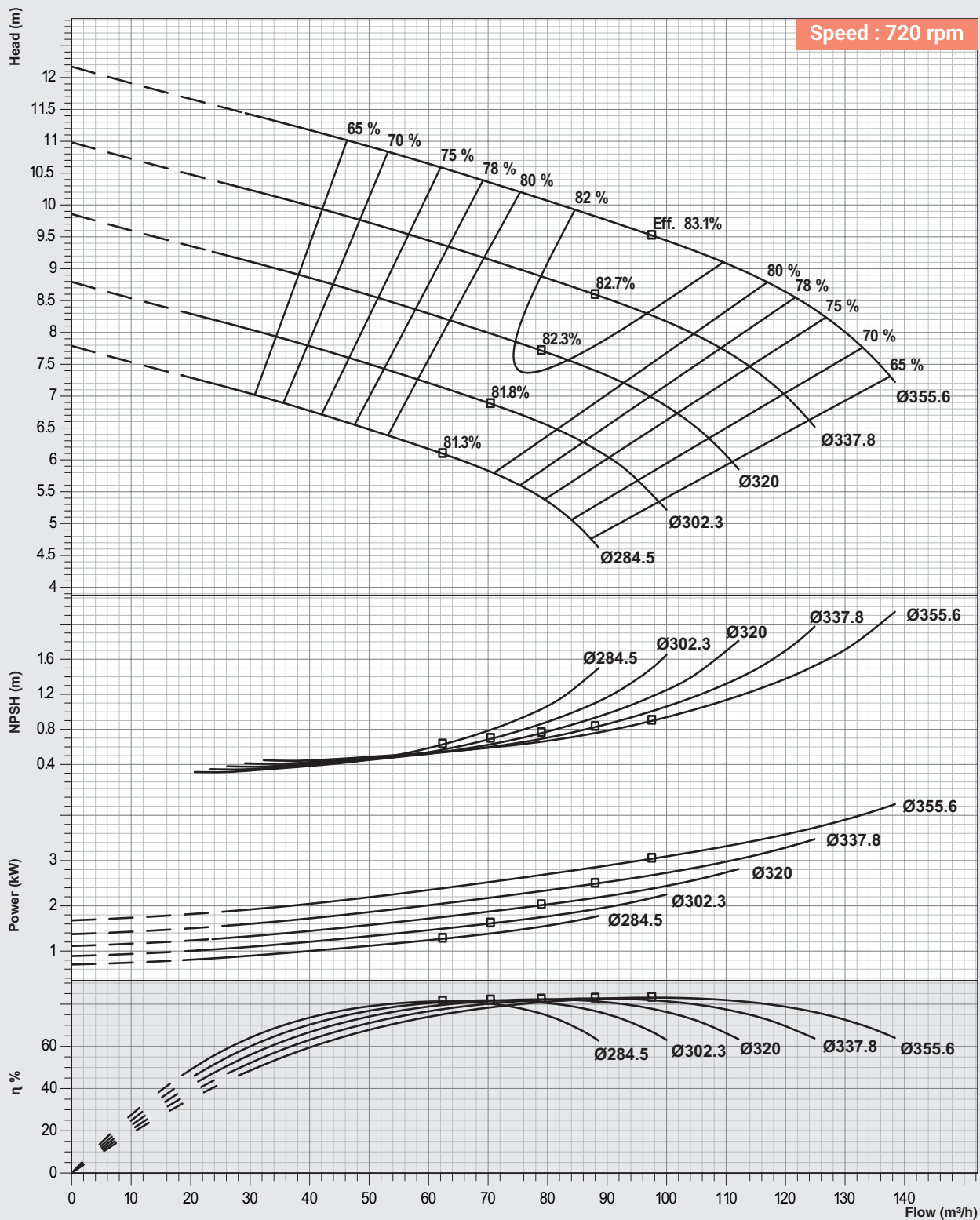
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PERFORMANCE CURVE

Pump Model : **FECP - 6 x 4 x 14**

Pump Size in mm (Suc X Del X Max. Imp Ø) : **6 x 4 x 14**
(150 x 100 x 355.6)

Speed : 720 rpm



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

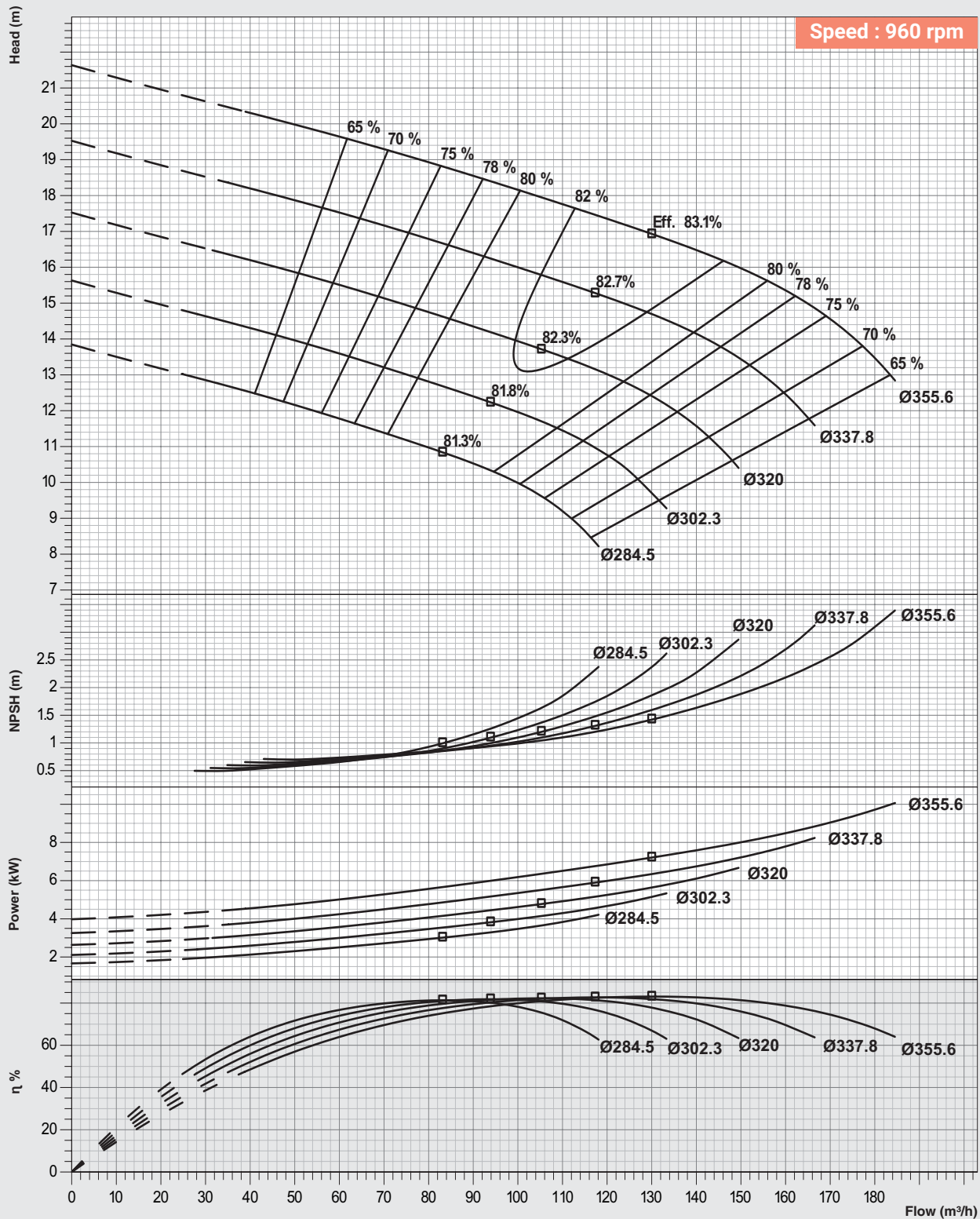
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PERFORMANCE CURVE

Pump Model : **FECP - 6 x 4 x 14**

Pump Size in mm (Suc X Del X Max. Imp Ø) : **6 x 4 x 14**
(150 x 100 x 355.6)

Speed : 960 rpm



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

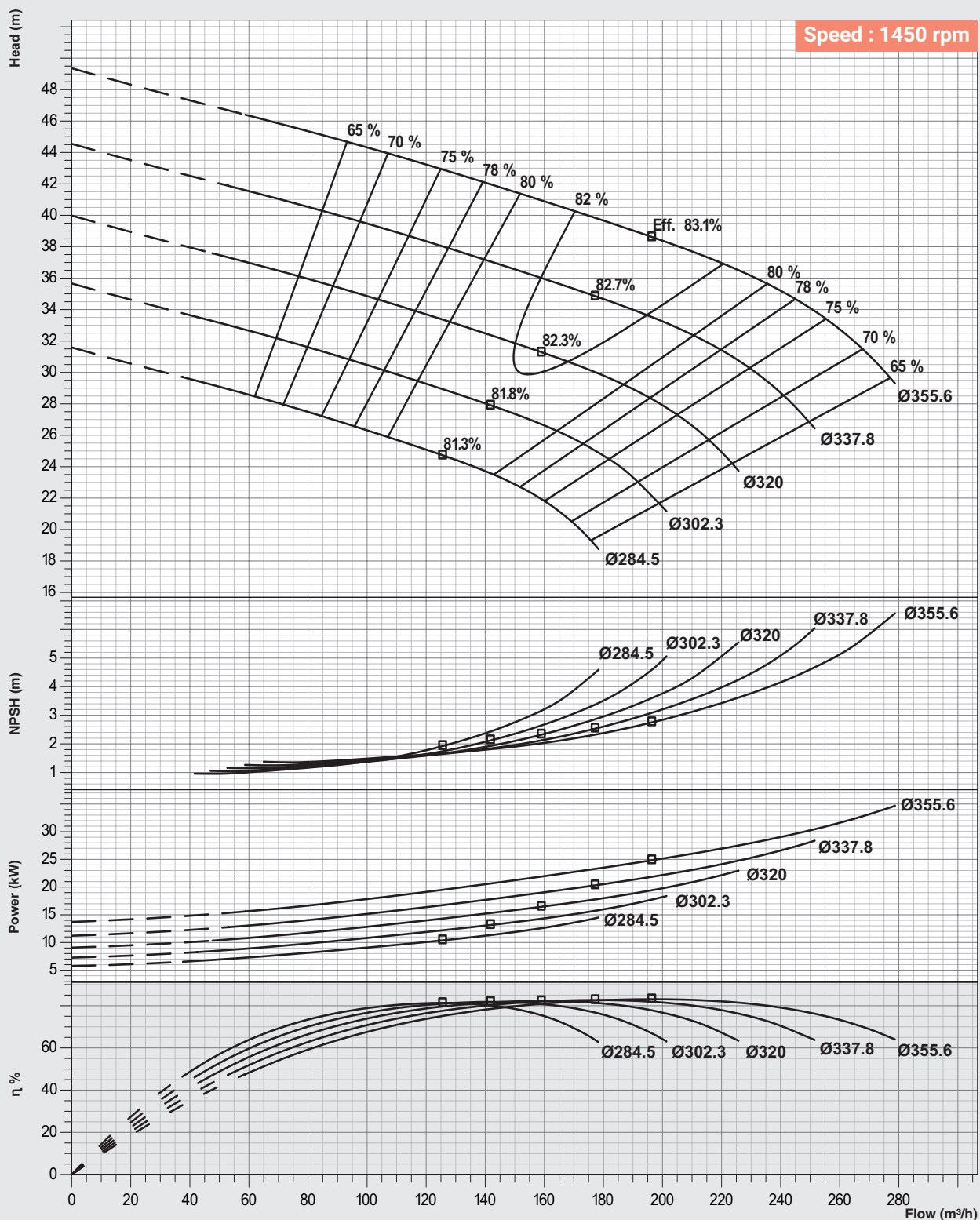
In view of continuous developments the information / Performance / descriptions / specifications / illustrations mentioned in this catalogues are subject to change without notice .

PERFORMANCE CURVE

Pump Model : **FECP - 6 x 4 x 14**

Pump Size in mm (Suc X Del X Max. Imp Ø) : **6 x 4 x 14**
(150 x 100 x 355.6)

Speed : 1450 rpm



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

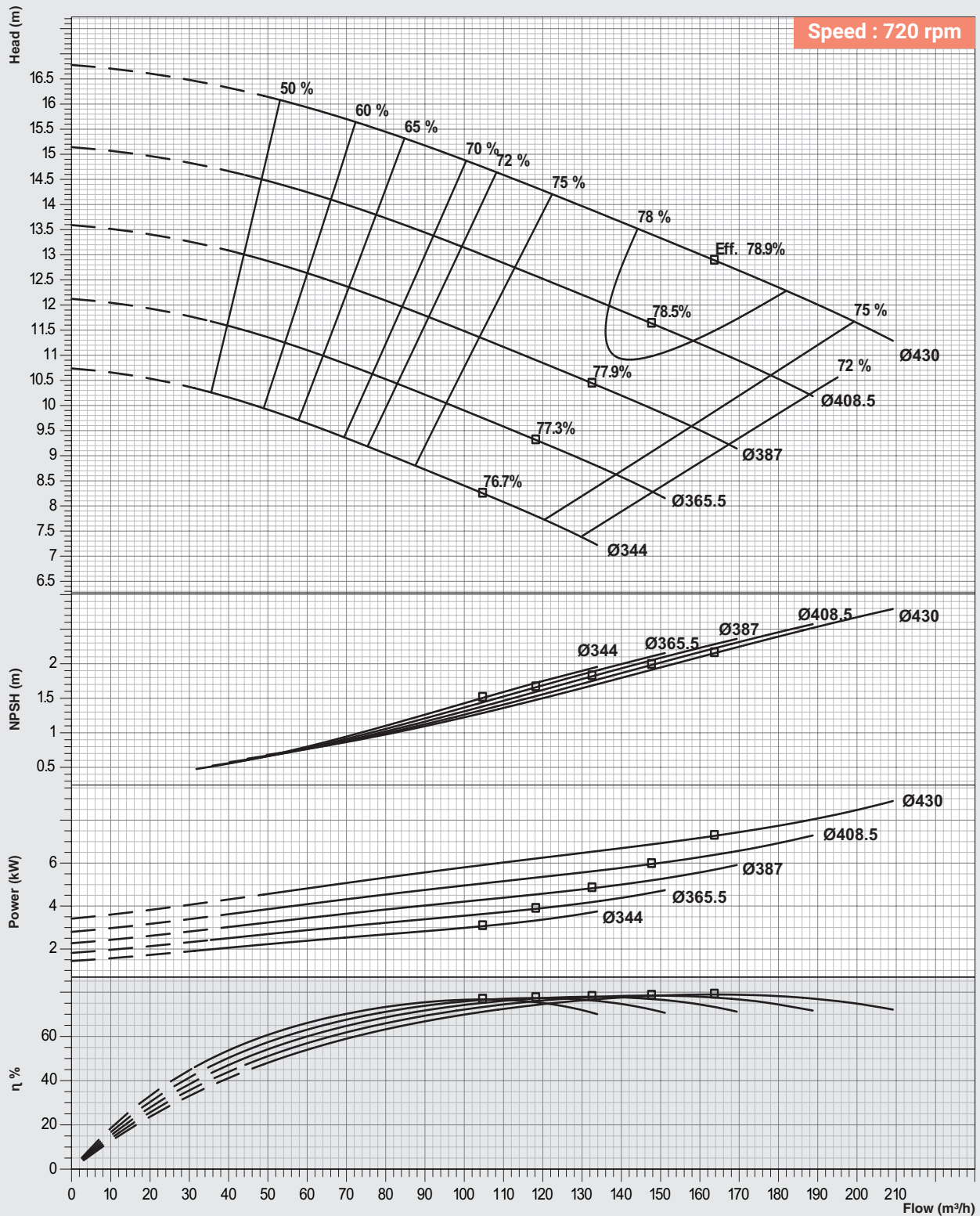
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PERFORMANCE CURVE

Pump Model : **FECP - 8 x 4 x 17**

Pump Size in mm (Suc X Del X Max. Imp Ø) : **8 x 4 x 17**
(200 x 100 x 430)

Speed : 720 rpm



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

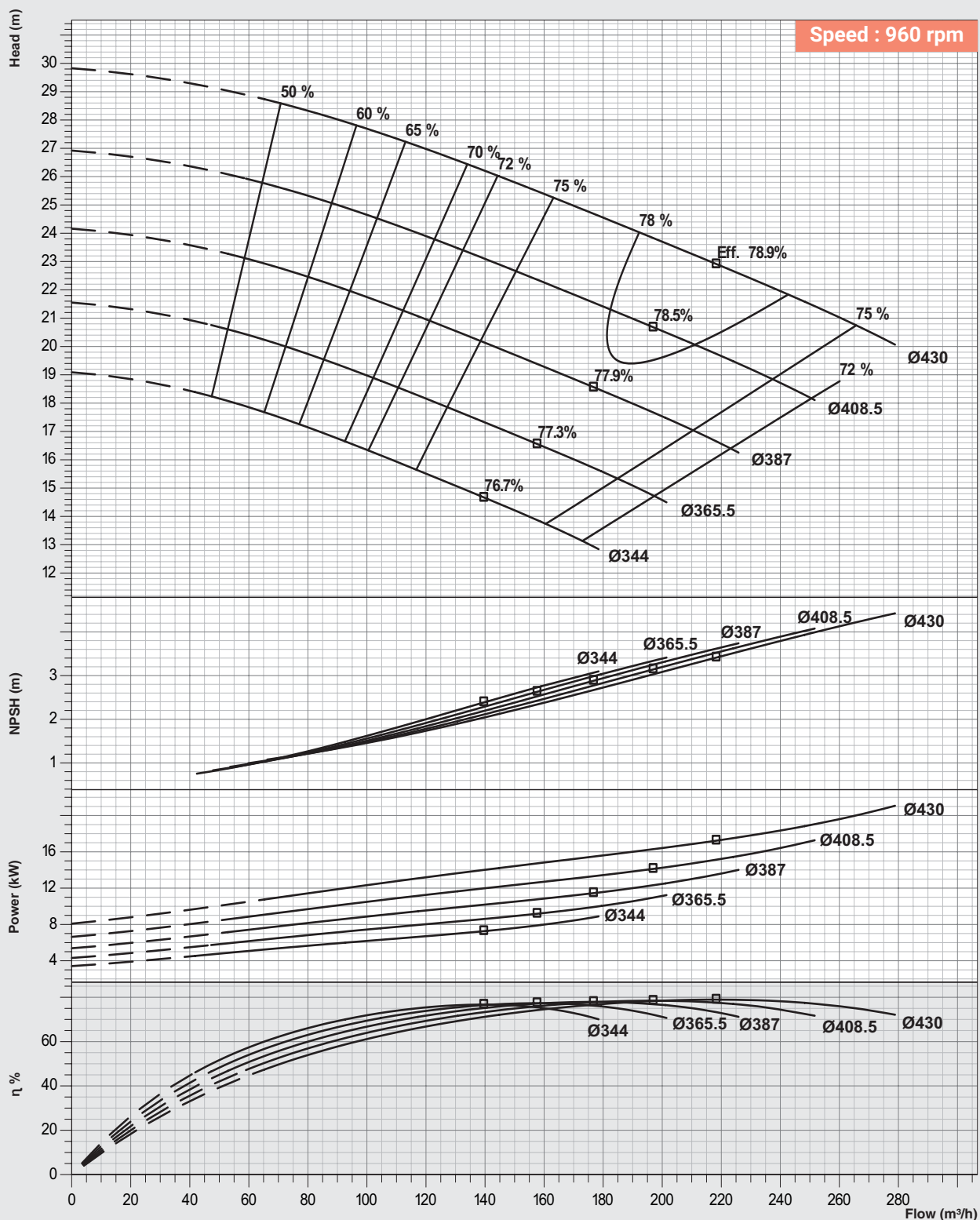
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PERFORMANCE CURVE

Pump Model : **FECP - 8 x 4 x 17**

Pump Size in mm (Suc X Del X Max. Imp Ø) : **8 x 4 x 17**
(200 x 100 x 430)

Speed : 960 rpm



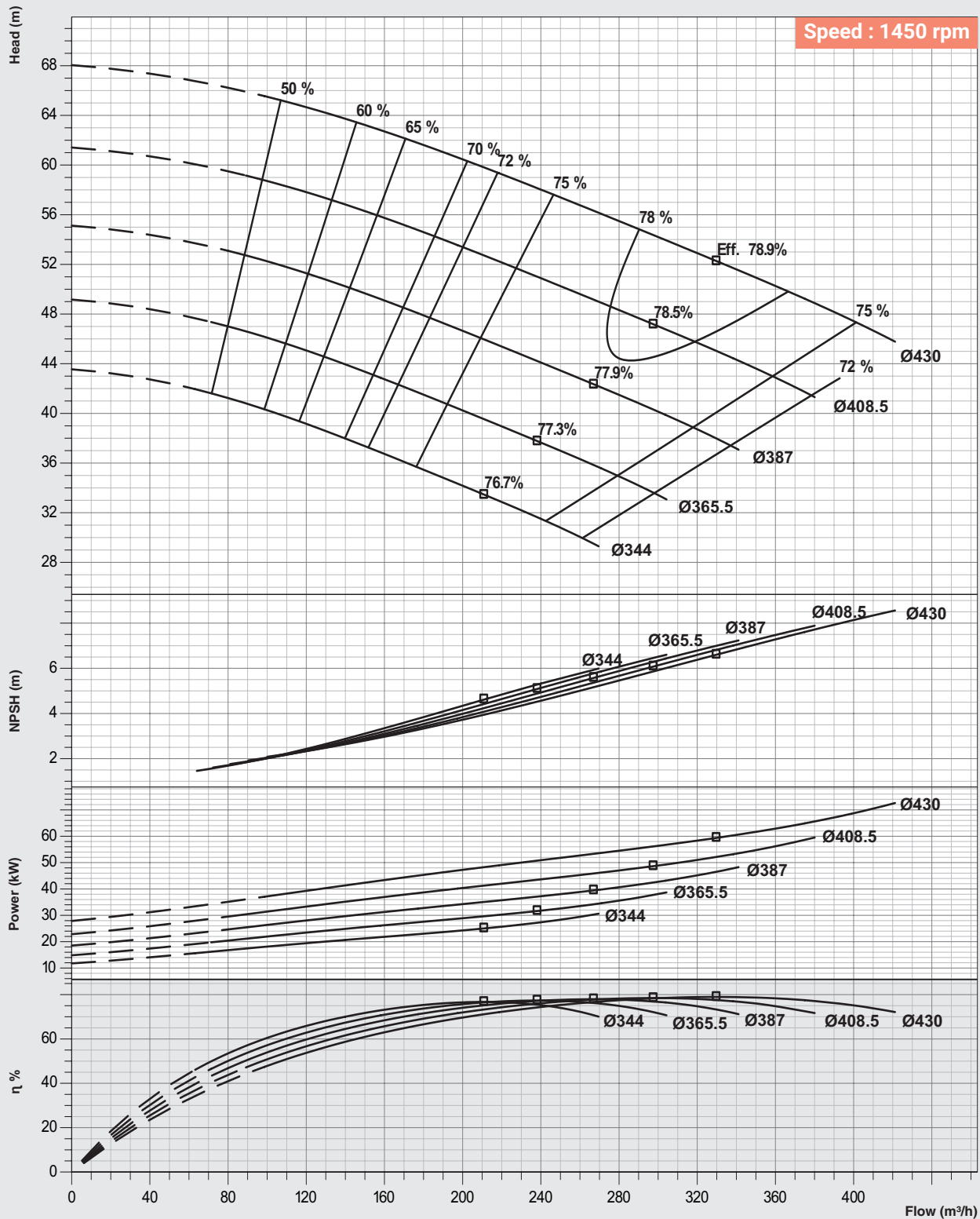
Performance curve tolerances are as per HI : 14.6 / ISO: 9906, Grade 2B

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PERFORMANCE CURVE

Pump Model : **FECP - 8 x 4 x 17**

Pump Size in mm (Suc X Del X Max. Imp Ø) : **8 x 4 x 17**
(200 x 100 x 430)



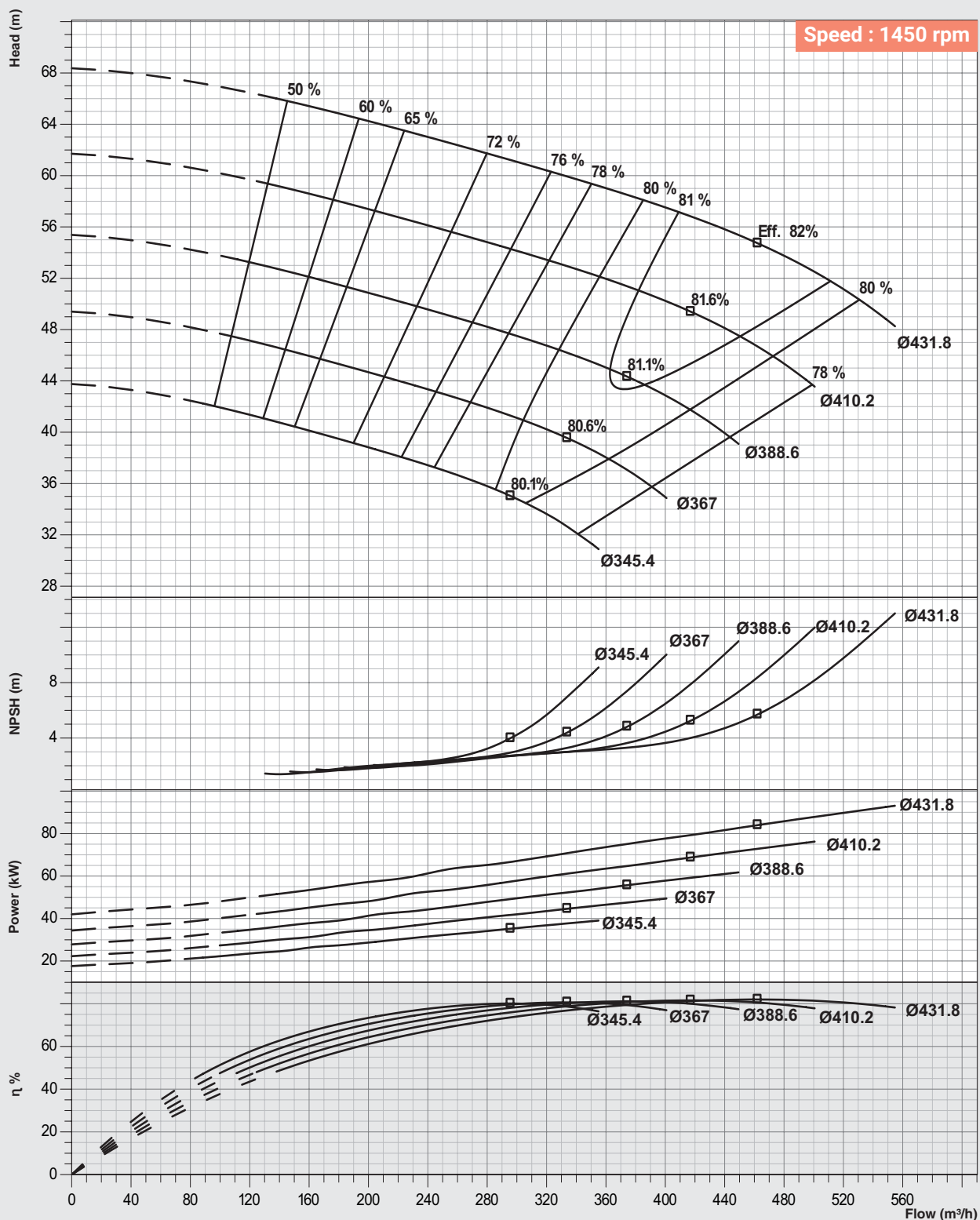
Performance curve tolerances are as per HI : 14.6 / ISO: 9906, Grade 2B

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PERFORMANCE CURVE

Pump Model : **FECP - 8 x 5 x 17**

Pump Size in mm (Suc X Del X Max. Imp Ø) : **8 x 5 x 17**
(200 x 125 x 431.8)



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

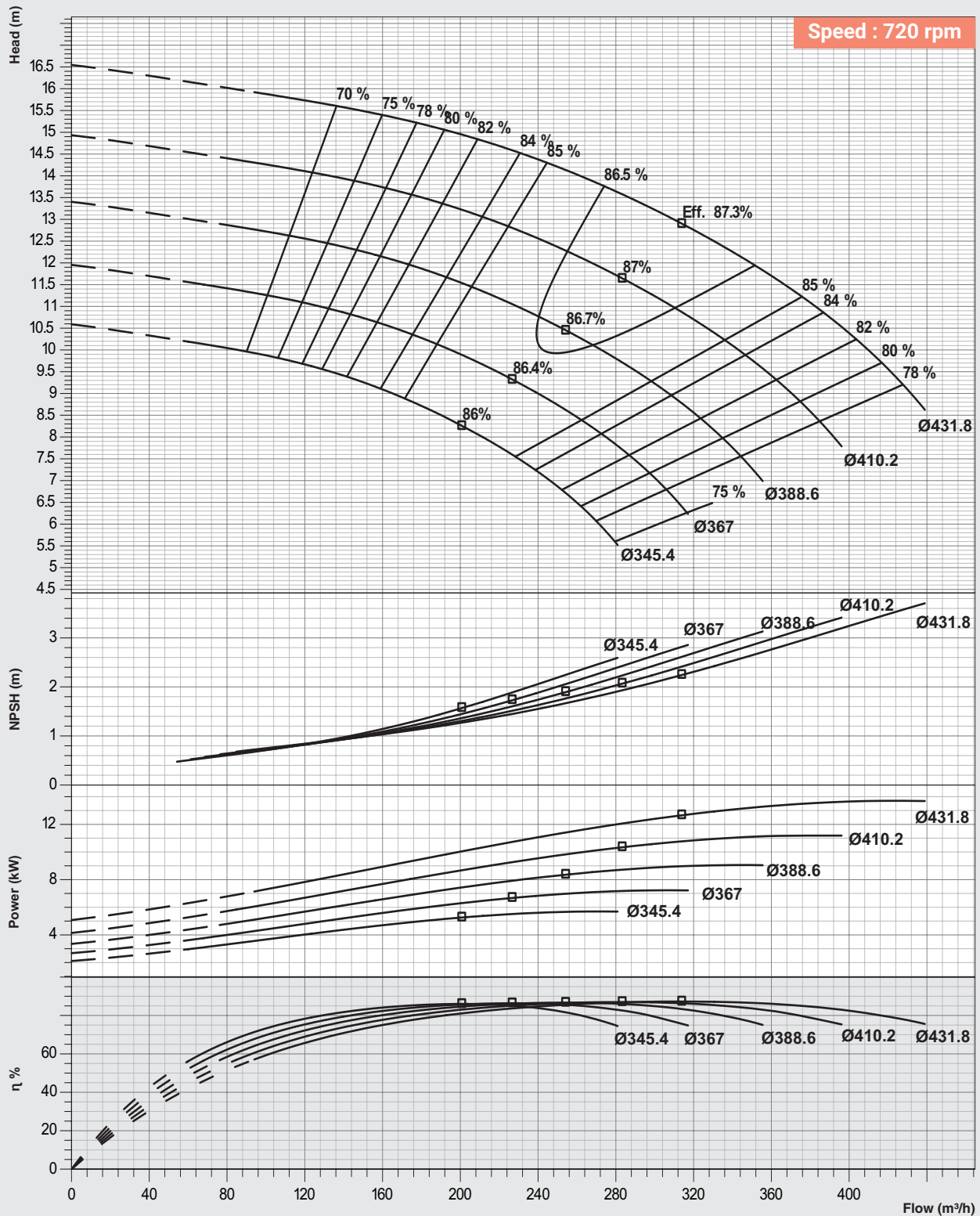
In view of continuous developments the information / Performance / descriptions / specifications / illustrations mentioned in this catalogues are subject to change without notice .

PERFORMANCE CURVE

Pump Model : **FECP - 8 x 6 x 17**

Pump Size in mm (Suc X Del X Max. Imp Ø) : **8 x 6 x 17**
(200 x 150 x 431.8)

Speed : 720 rpm



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

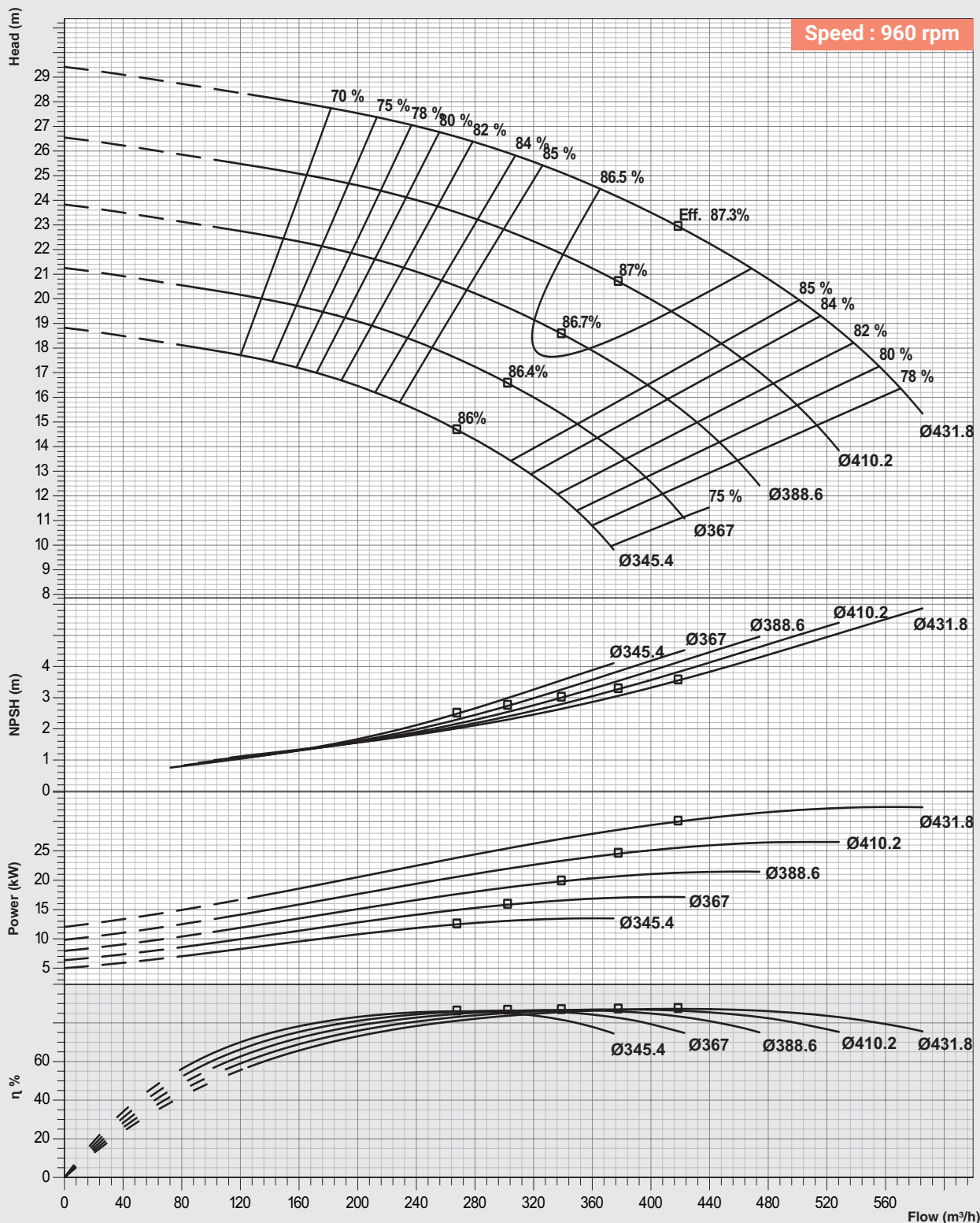
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PERFORMANCE CURVE

Pump Model : **FECP - 8 x 6 x 17**

Pump Size in mm (Suc X Del X Max. Imp Ø) : **8 x 6 x 17**
(200 x 150 x 431.8)

Speed : 960 rpm



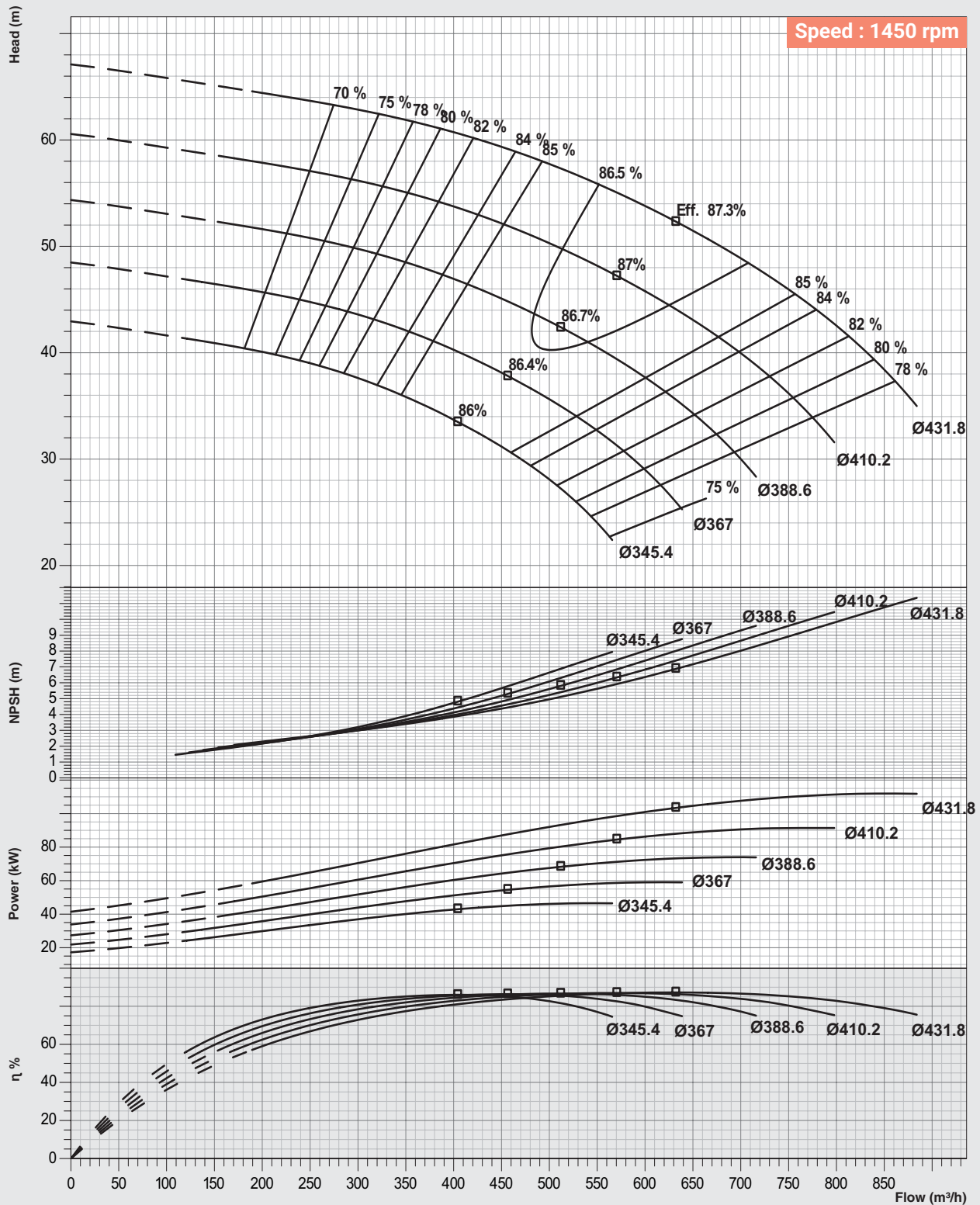
Performance curve tolerances are as per HI : 14.6 / ISO: 9906, Grade 2B

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PERFORMANCE CURVE

Pump Model : **FECP - 8 x 6 x 17**

Pump Size in mm (Suc X Del X Max. Imp Ø) : **8 x 6 x 17**
(200 x 150 x 431.8)



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

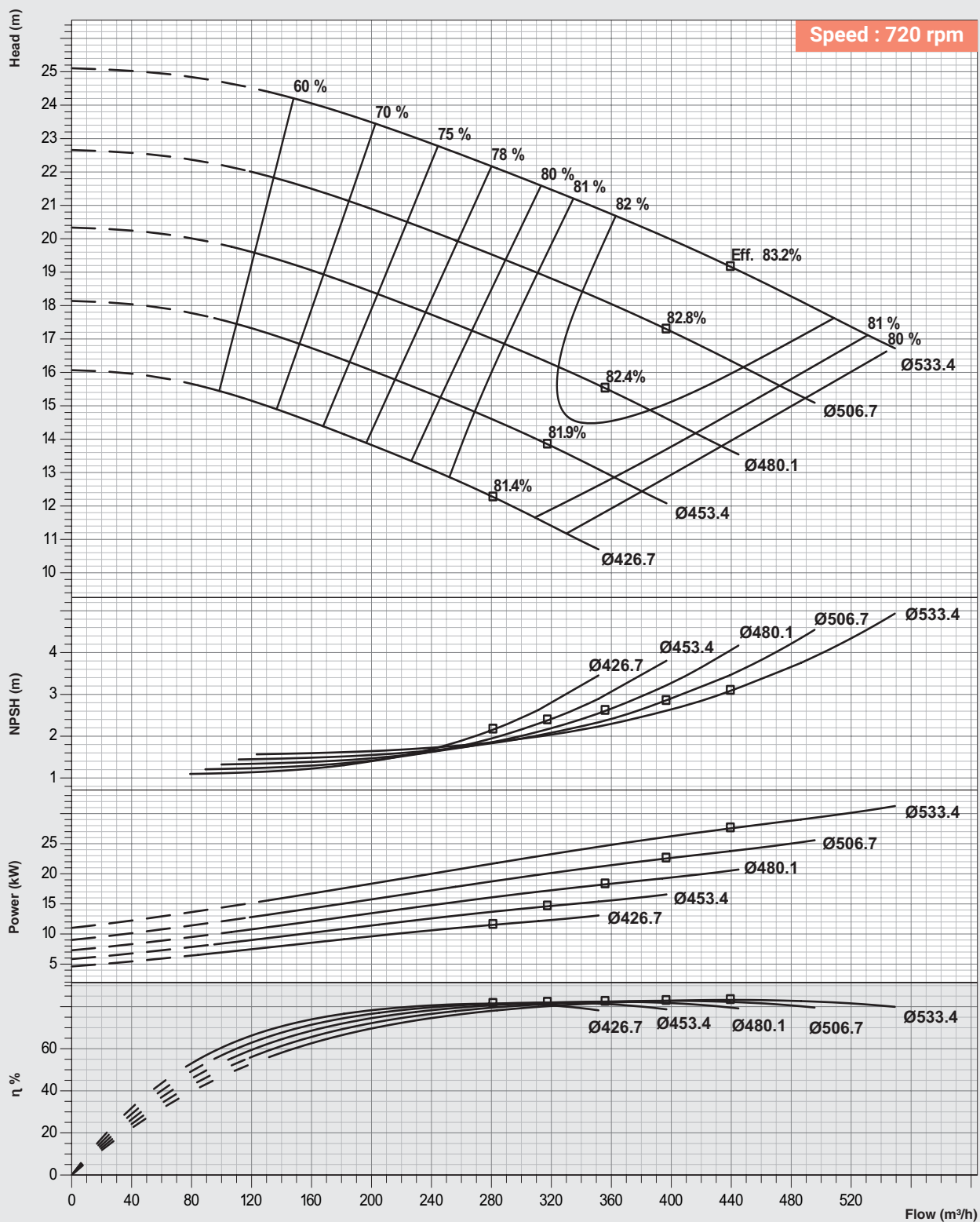
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PERFORMANCE CURVE

Pump Model : **FECP - 8 x 6 x 21**

Pump Size in mm (Suc X Del X Max. Imp Ø) : **8 x 6 x 21**
(200 x 150 x 533.4)

Speed : 720 rpm



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

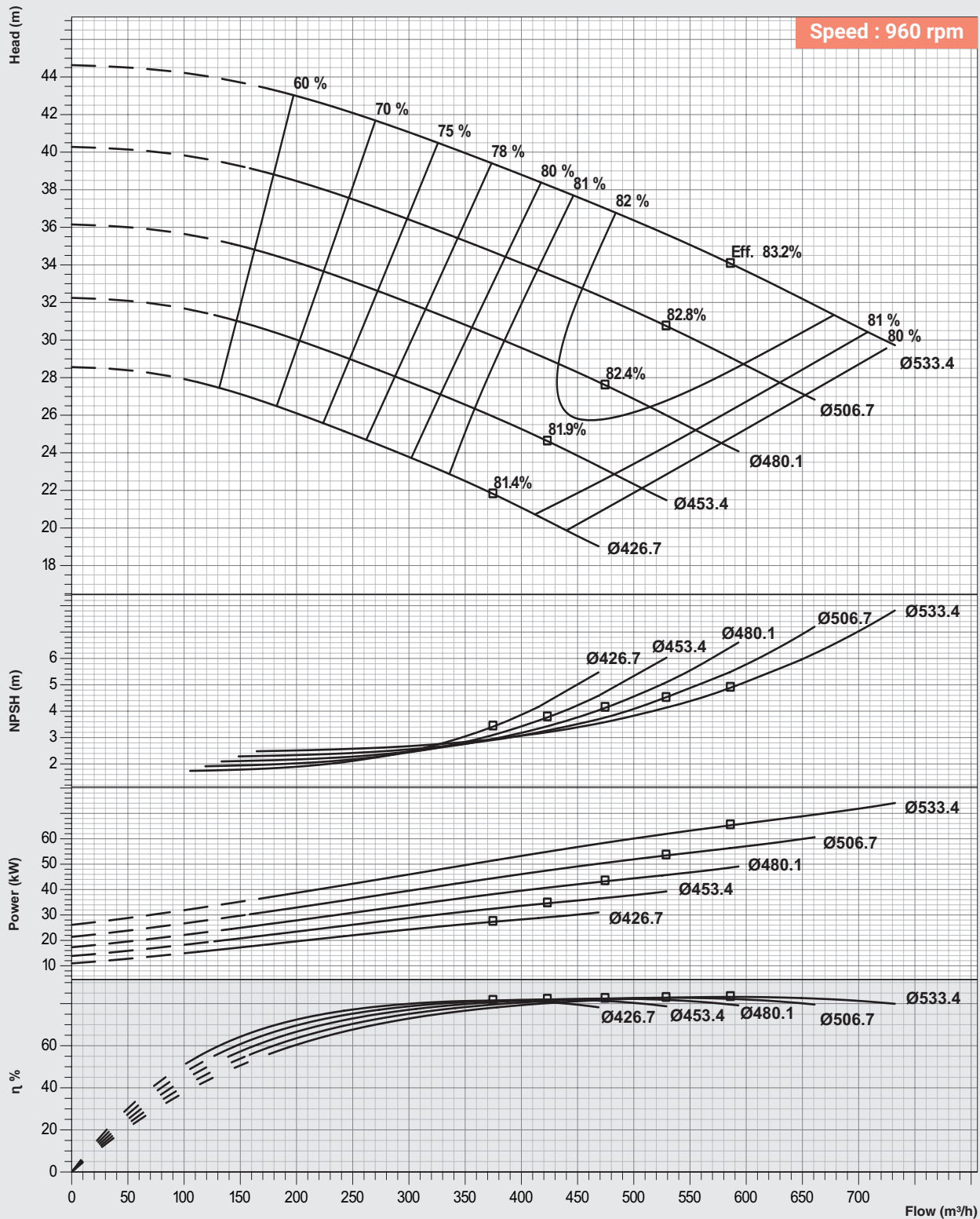
In view of continuous developments the information / Performance / descriptions / specifications / illustrations mentioned in this catalogues are subject to change without notice .

PERFORMANCE CURVE

Pump Model : **FECP - 8 x 6 x 21**

Pump Size in mm (Suc X Del X Max. Imp Ø) : **8 x 6 x 21**
(200 x 150 x 533.4)

Speed : 960 rpm



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

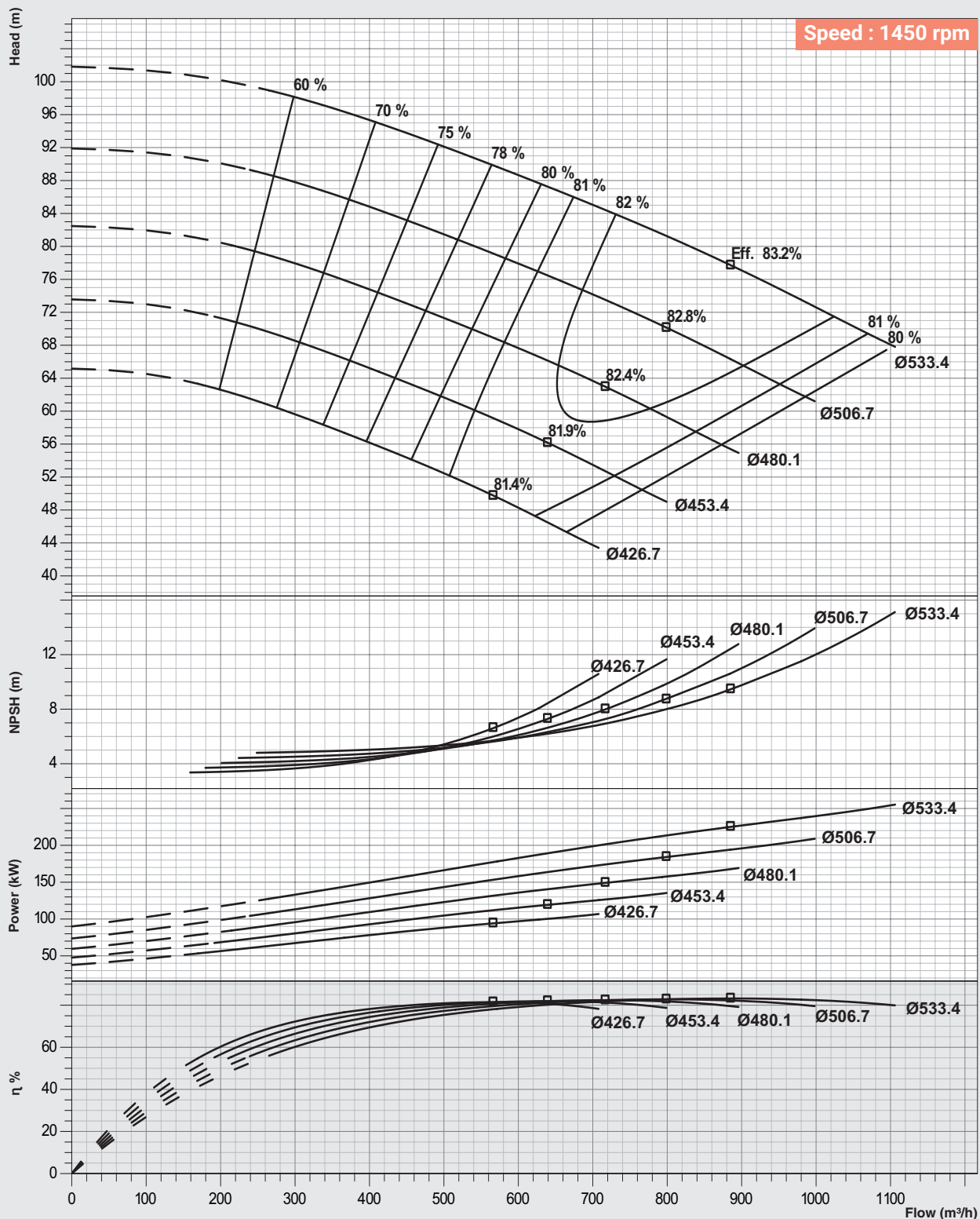
In view of continuous developments the information / Performance / descriptions / specifications / illustrations mentioned in this catalogues are subject to change without notice .

PERFORMANCE CURVE

Pump Model : **FECP - 8 x 6 x 21**

Pump Size in mm (Suc X Del X Max. Imp Ø) : **8 x 6 x 21**
(200 x 150 x 533.4)

Speed : 1450 rpm



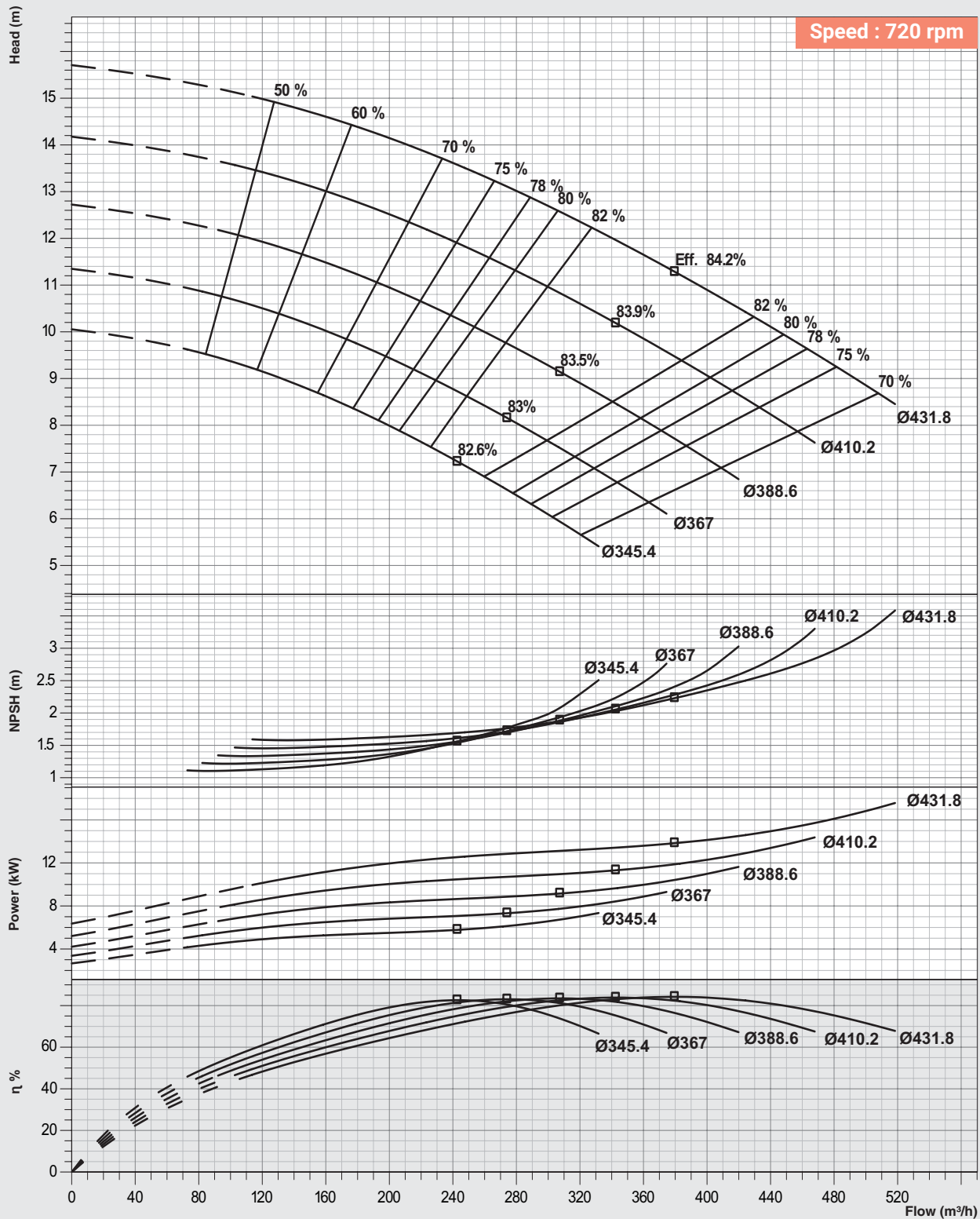
Performance curve tolerances are as per HI : 14.6 / ISO: 9906, Grade 2B

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PERFORMANCE CURVE

Pump Model : **FECP - 10 x 8 x 17**

Pump Size in mm (Suc X Del X Max. Imp Ø) : **10 x 8 x 17**
(250 x 200 x 431.8)



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

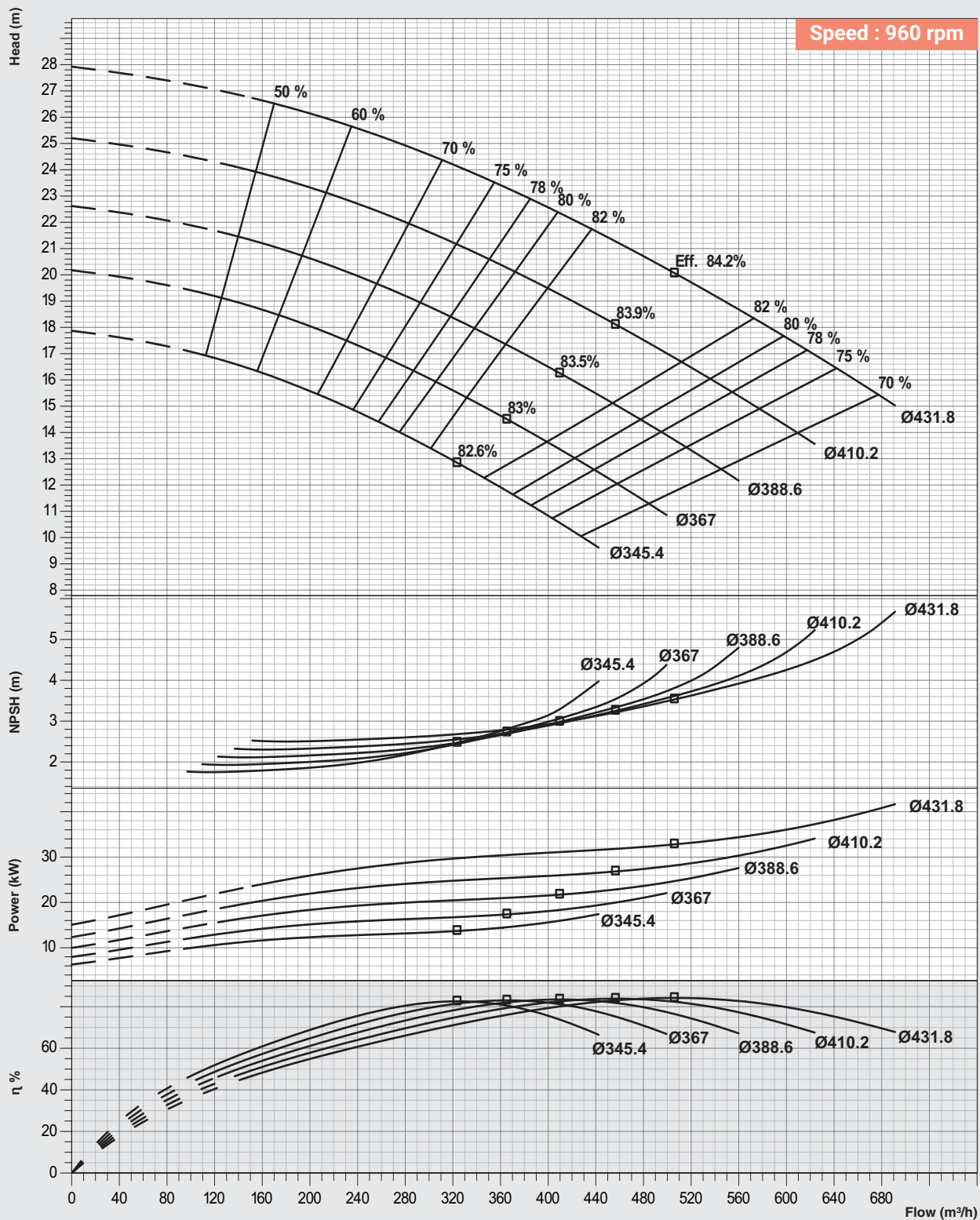
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PERFORMANCE CURVE

Pump Model : **FECP - 10 x 8 x 17**

Pump Size in mm (Suc X Del X Max. Imp Ø) : **10 x 8 x 17**
(250 x 200 x 431.8)

Speed : 960 rpm



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

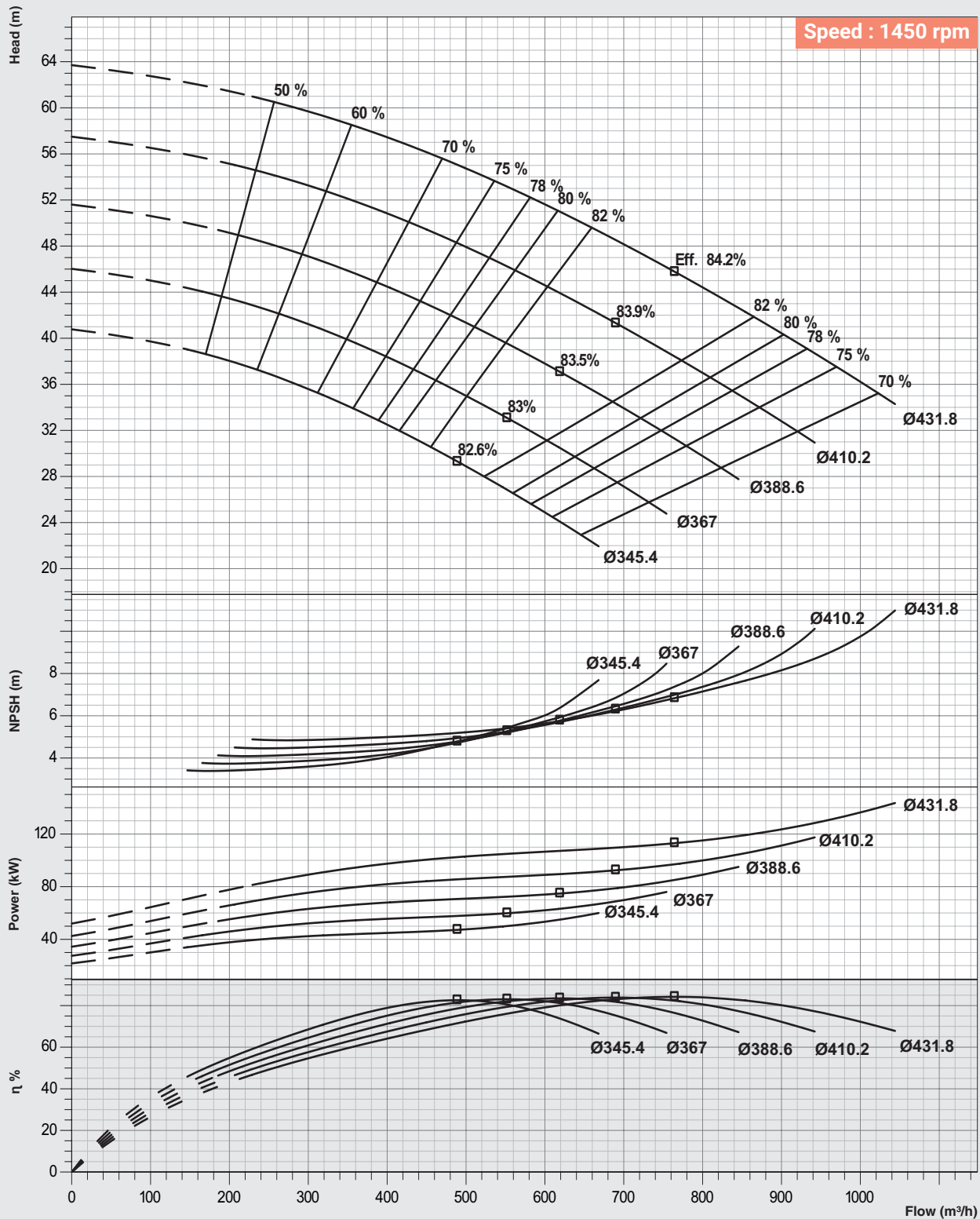
In view of continuous developments the information / Performance / descriptions / specifications / illustrations mentioned in this catalogues are subject to change without notice .

PERFORMANCE CURVE

Pump Model : **FECP - 10 x 8 x 17**

Pump Size in mm (Suc X Del X Max. Imp Ø) : **10 x 8 x 17**
(250 x 200 x 431.8)

Speed : 1450 rpm



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

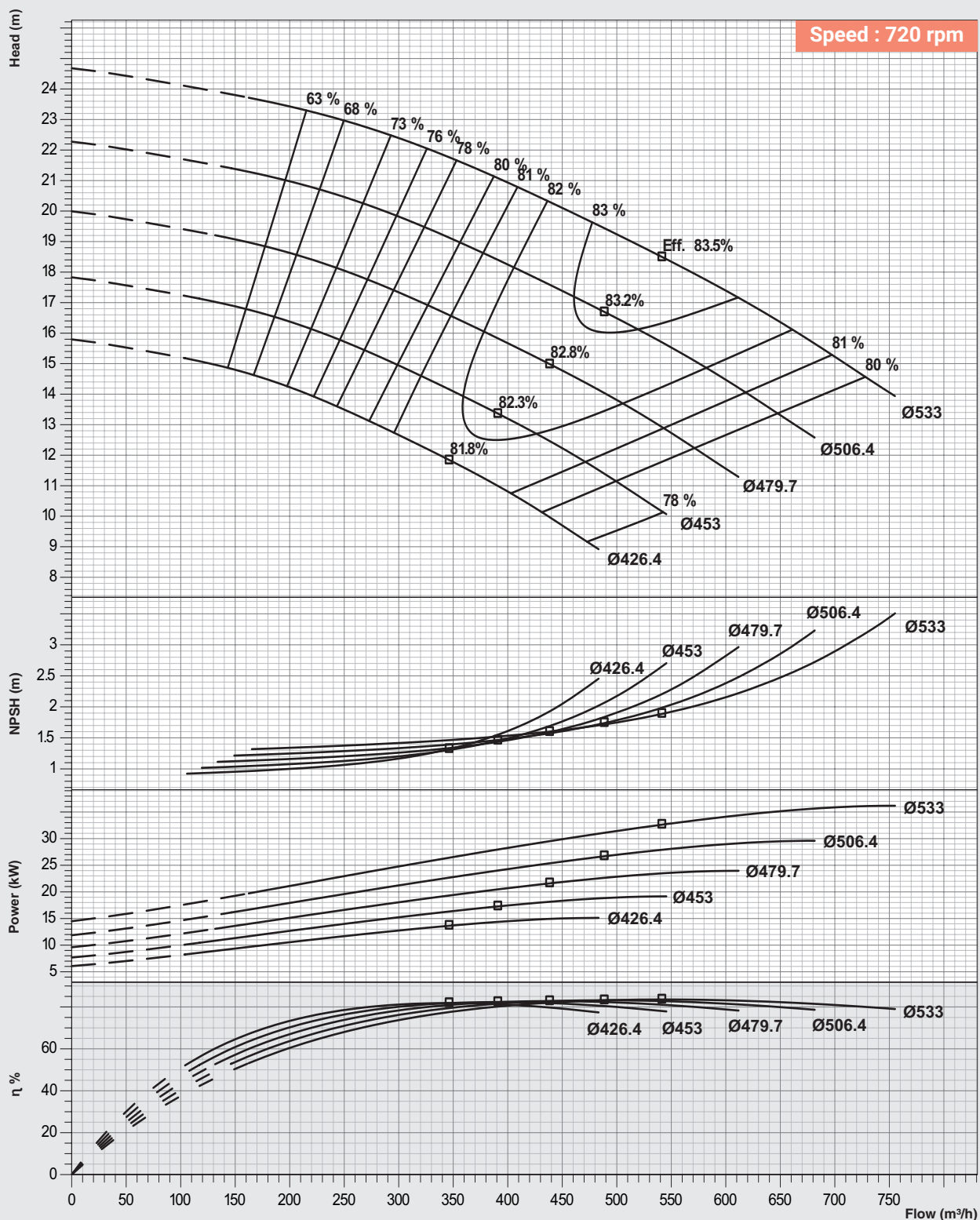
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PERFORMANCE CURVE

Pump Model : **FECP - 10 x 8 x 21**

Pump Size in mm (Suc X Del X Max. Imp Ø) : **10 x 8 x 21**
(250 x 200 x 533)

Speed : 720 rpm



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

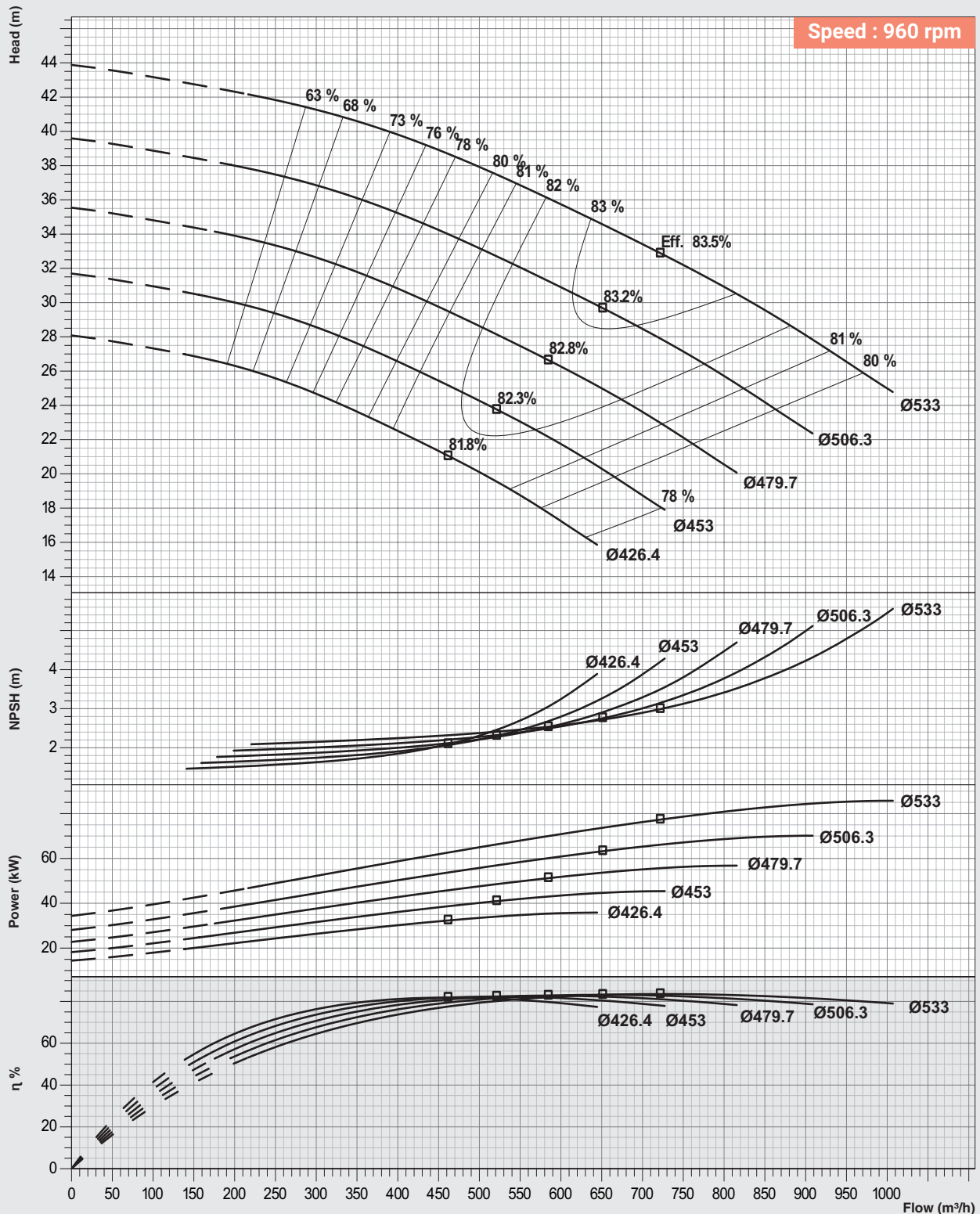
In view of continuous developments the information / Performance / descriptions / specifications / illustrations mentioned in this catalogues are subject to change without notice .

PERFORMANCE CURVE

Pump Model : **FECP - 10 x 8 x 21**

Pump Size in mm (Suc X Del X Max. Imp Ø) : **10 x 8 x 21**
(250 x 200 x 533)

Speed : 960 rpm



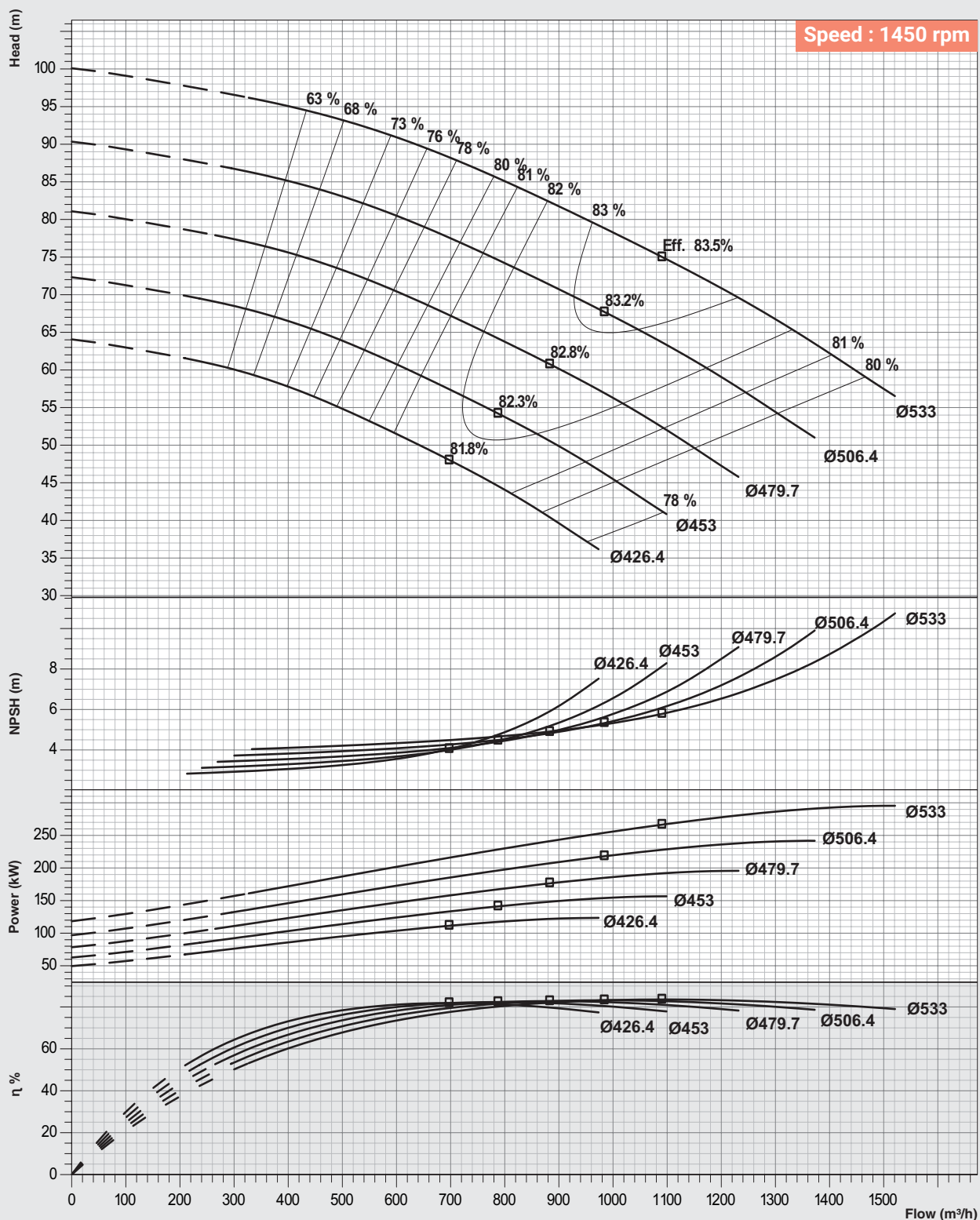
Performance curve tolerances are as per HI : 14.6 / ISO: 9906, Grade 2B

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PERFORMANCE CURVE

Pump Model : **FECP - 10 x 8 x 21**

Pump Size in mm (Suc X Del X Max. Imp Ø) : **10 x 8 x 21**
(250 x 200 x 533)



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

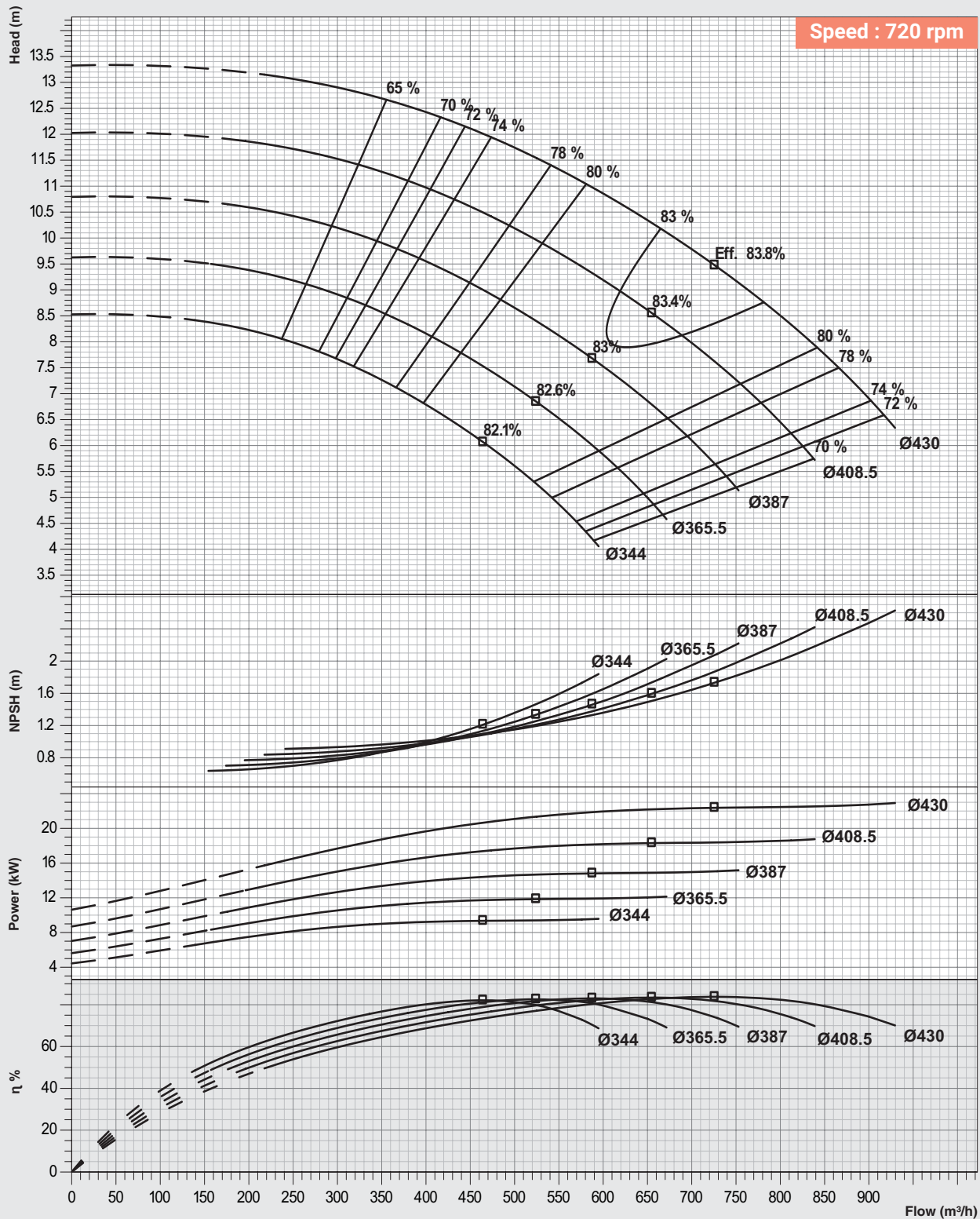
In view of continuous developments the information / Performance / descriptions / specifications / illustrations mentioned in this catalogues are subject to change without notice .

PERFORMANCE CURVE

Pump Model : **FECP - 12 x 10 x 17**

Pump Size in mm (Suc X Del X Max. Imp Ø) : **12 x 10 x 17**
(300 x 250 x 430)

Speed : 720 rpm



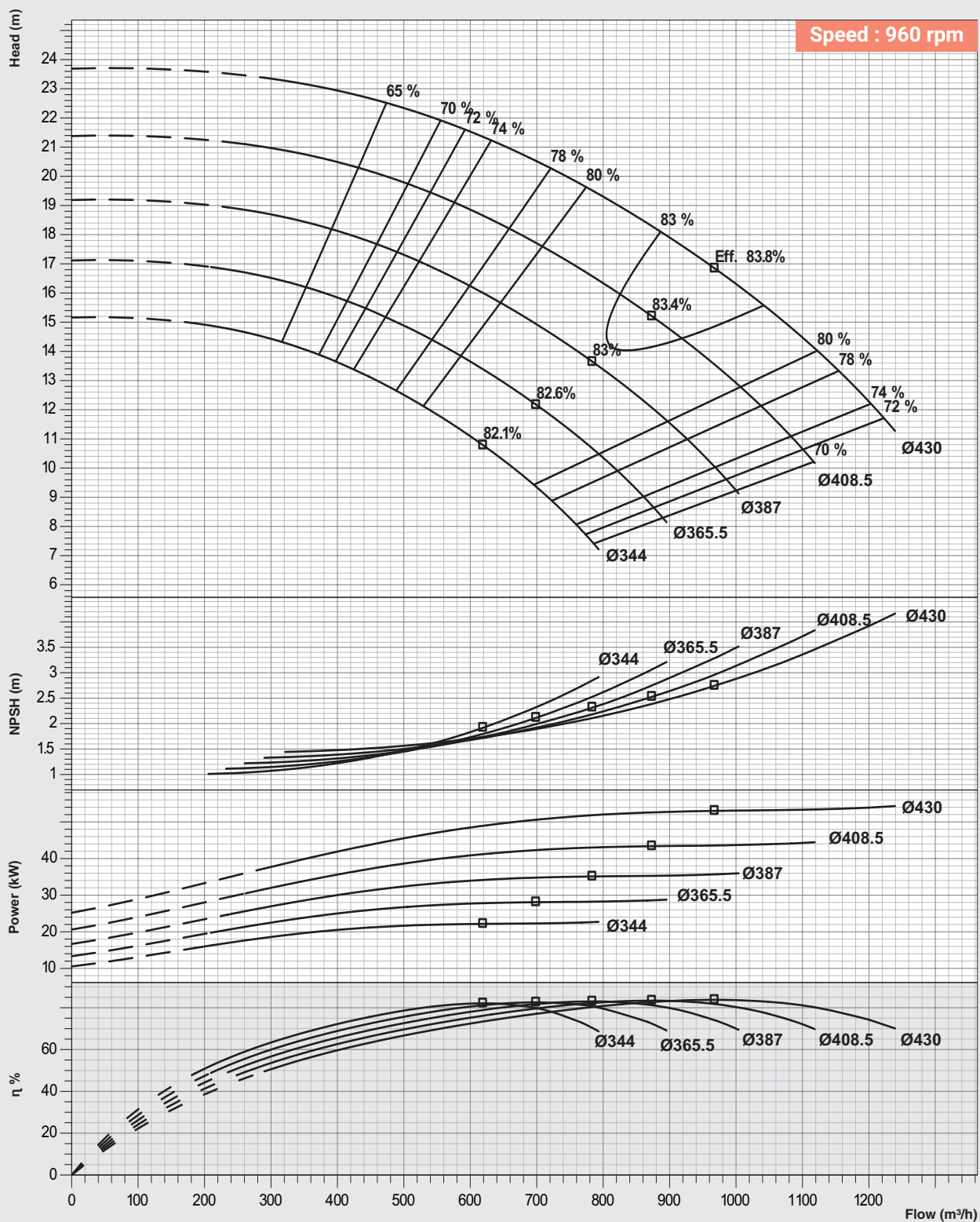
Performance curve tolerances are as per HI : 14.6 / ISO: 9906, Grade 2B

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PERFORMANCE CURVE

Pump Model : **FECP - 12 x 10 x 17**

Pump Size in mm (Suc X Del X Max. Imp Ø) : **12 x 10 x 17**
(300 x 250 x 430)



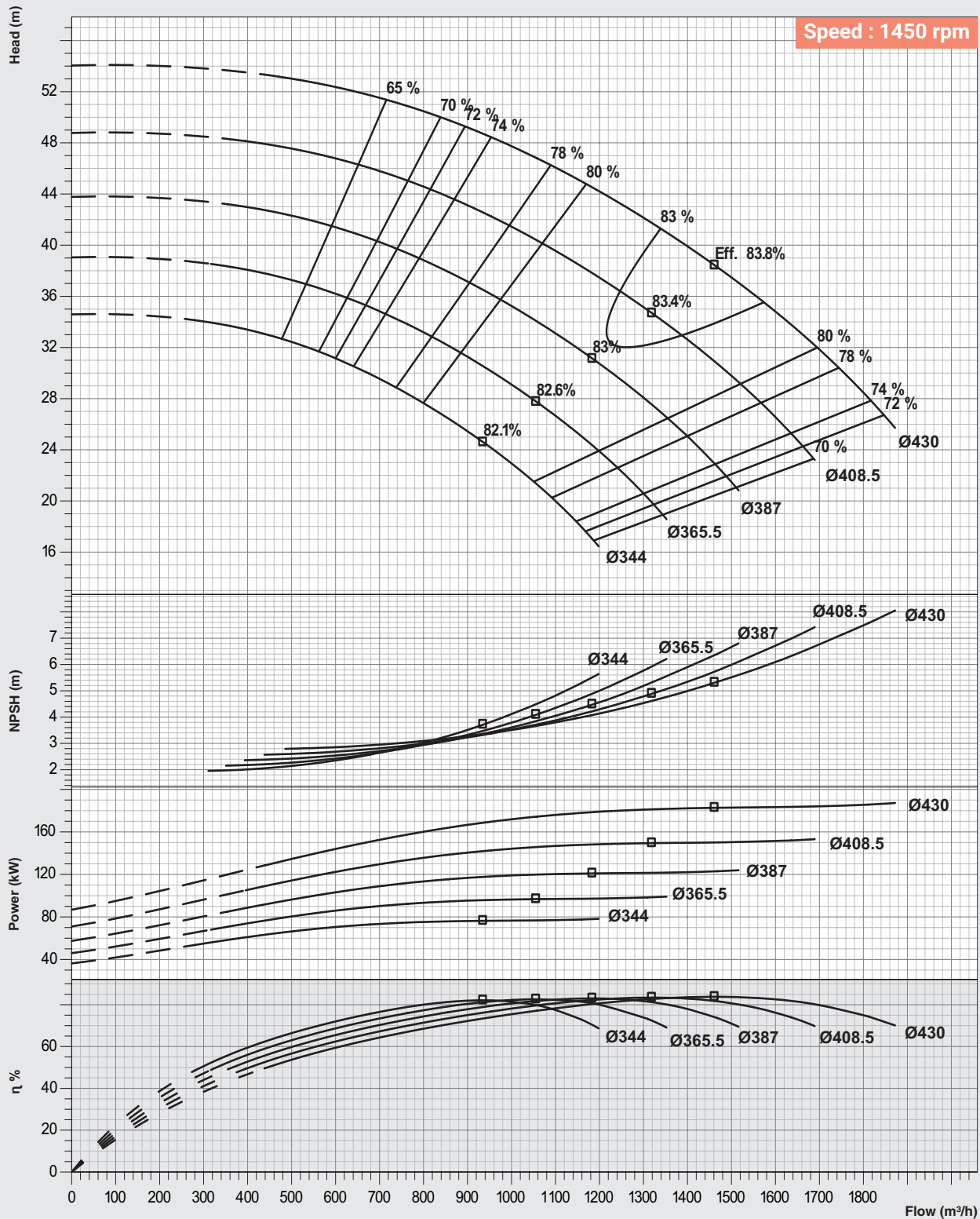
Performance curve tolerances are as per HI : 14.6 / ISO: 9906, Grade 2B

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PERFORMANCE CURVE

Pump Model : **FECP - 12 x 10 x 17**

Pump Size in mm (Suc X Del X Max. Imp Ø) : **12 x 10 x 17**
(300 x 250 x 430)



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

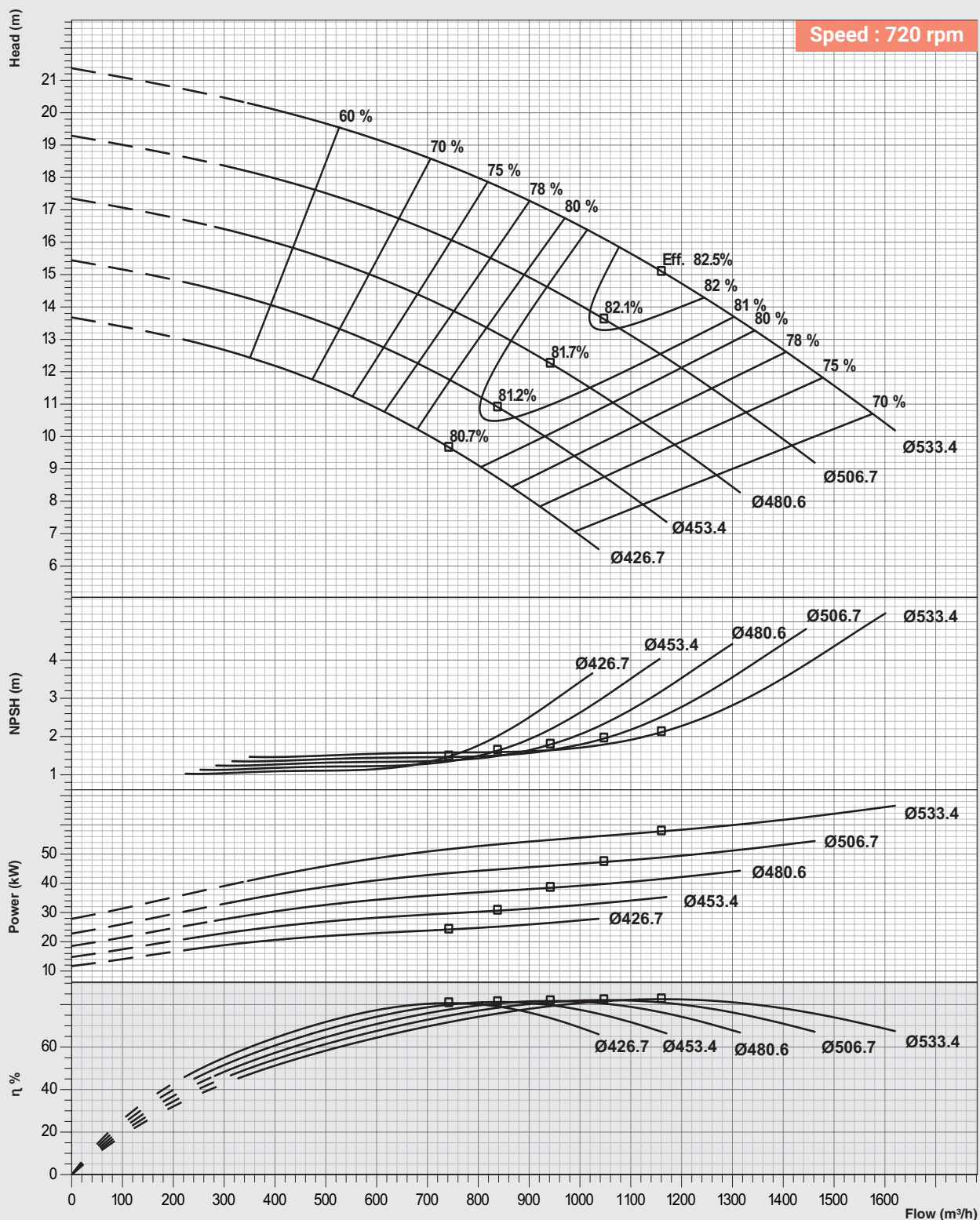
In view of continuous developments the information / Performance / descriptions / specifications / illustrations mentioned in this catalogues are subject to change without notice .

PERFORMANCE CURVE

Pump Model : **FECP - 14 x 12 x 21**

Pump Size in mm (Suc X Del X Max. Imp Ø) : **14 x 12 x 21**
(350 x 300 x 533.4)

Speed : 720 rpm



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

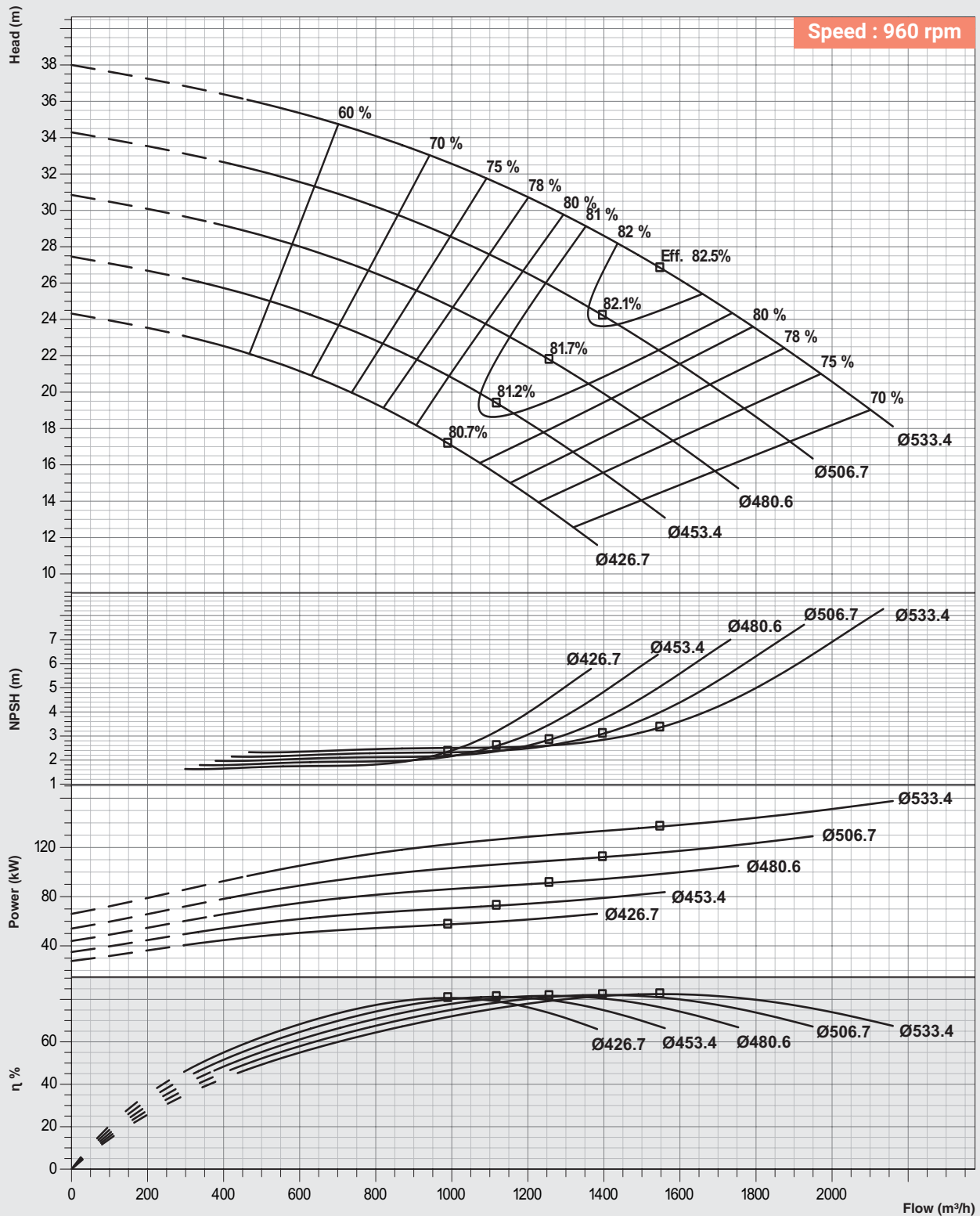
In view of continuous developments the information / Performance / descriptions / specifications / illustrations mentioned in this catalogues are subject to change without notice .

PERFORMANCE CURVE

Pump Model : **FECP - 14 x 12 x 21**

Pump Size in mm (Suc X Del X Max. Imp Ø) : **14 x 12 x 21**
(350 x 300 x 533.4)

Speed : 960 rpm



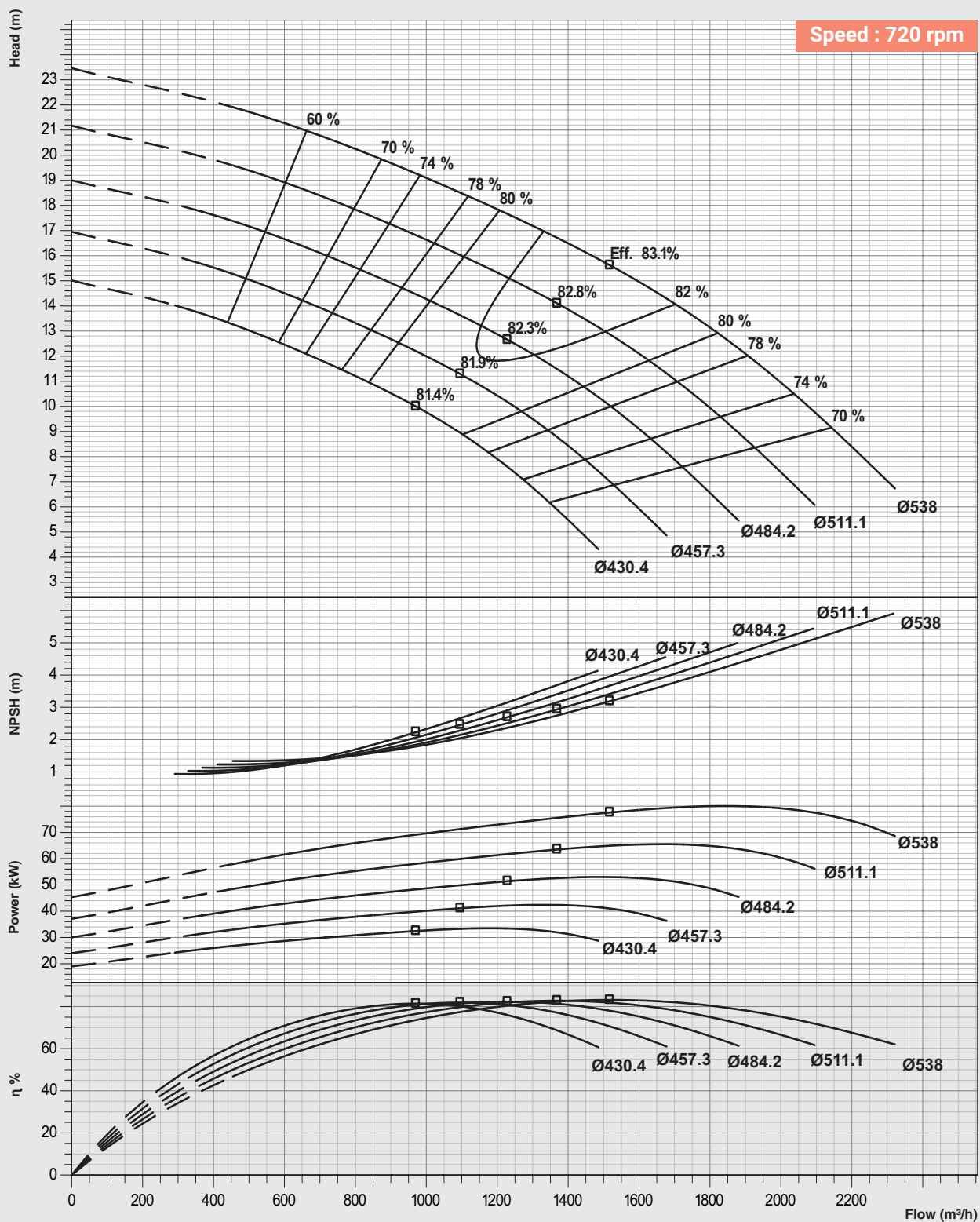
Performance curve tolerances are as per HI : 14.6 / ISO: 9906, Grade 2B

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PERFORMANCE CURVE

Pump Model : **FECP - 16 x 14 x 21**

Pump Size in mm (Suc X Del X Max. Imp Ø) : **16 x 14 x 21**
(400 x 350 x 338)



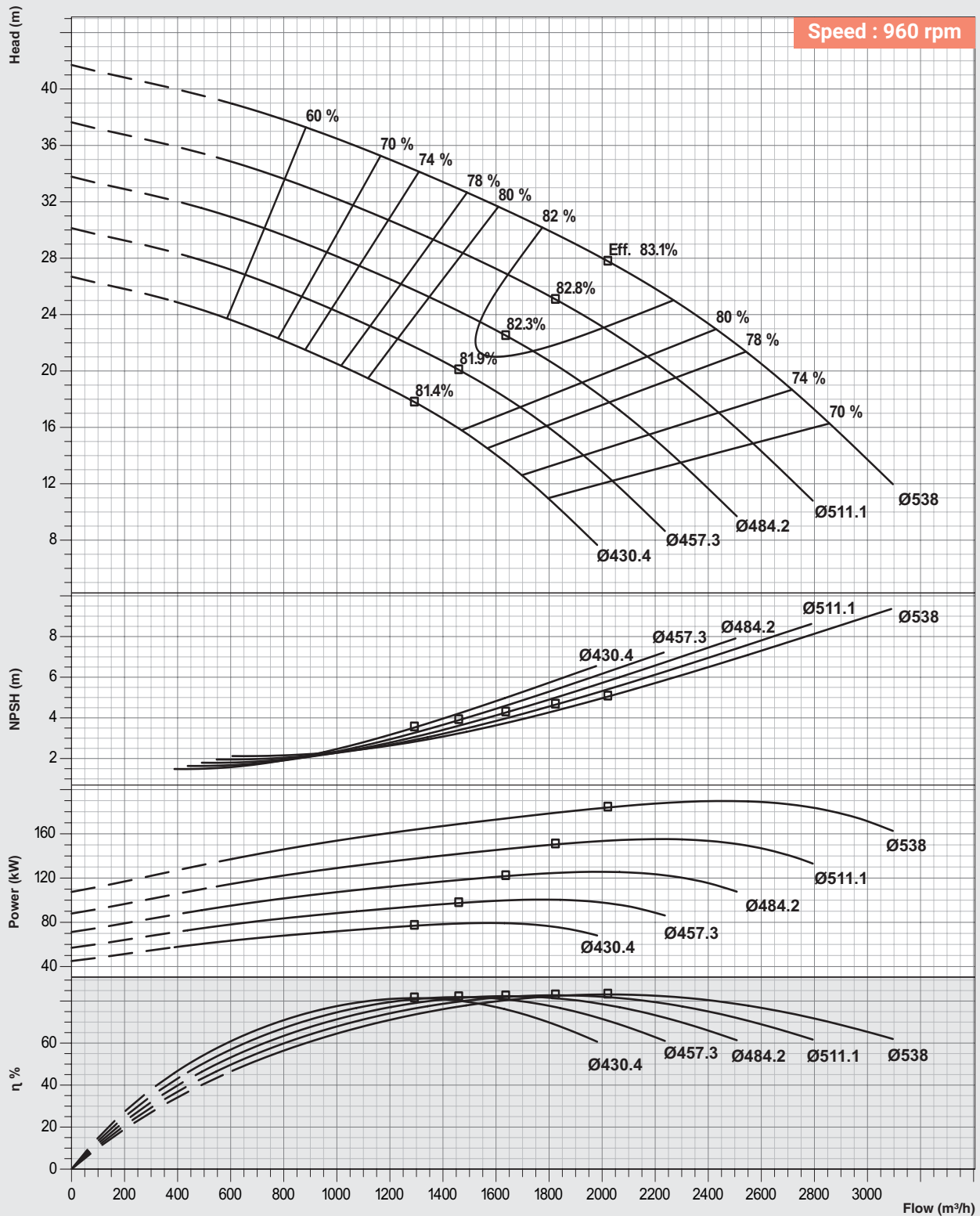
Performance curve tolerances are as per HI : 14.6 / ISO: 9906, Grade 2B

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PERFORMANCE CURVE

Pump Model : **FECP - 16 x 14 x 21**

Pump Size in mm (Suc X Del X Max. Imp Ø) : **16 x 14 x 21**
(400 x 350 x 538)



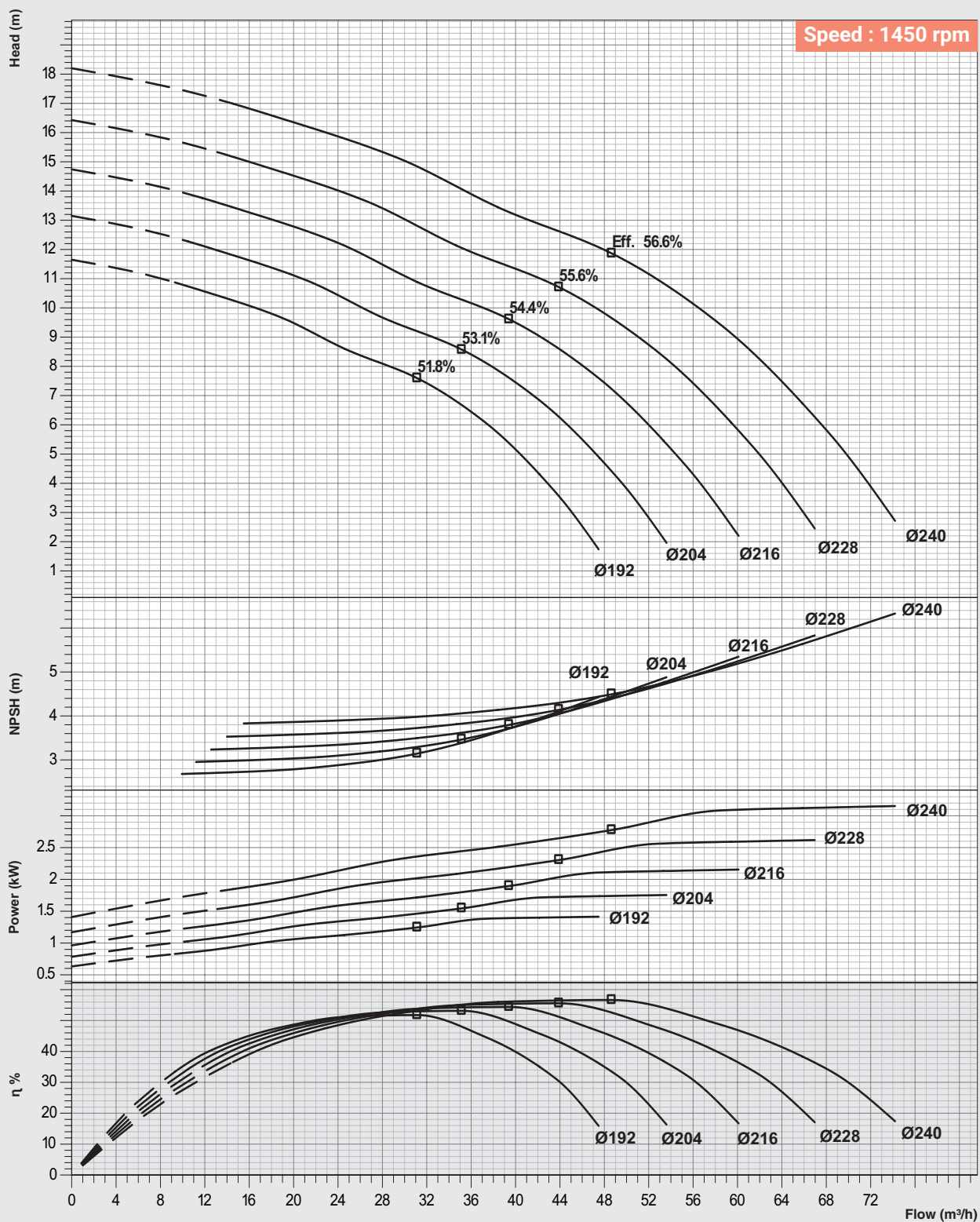
Performance curve tolerances are as per HI : 14.6 / ISO: 9906, Grade 2B

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PERFORMANCE CURVE

Pump Model : FECP - 3 x 2.5 x 10.5

Pump Size in mm (Suc X Del X Max. Imp Ø) : 3 x 2.5 x 10.5
(80 x 65 x 240)



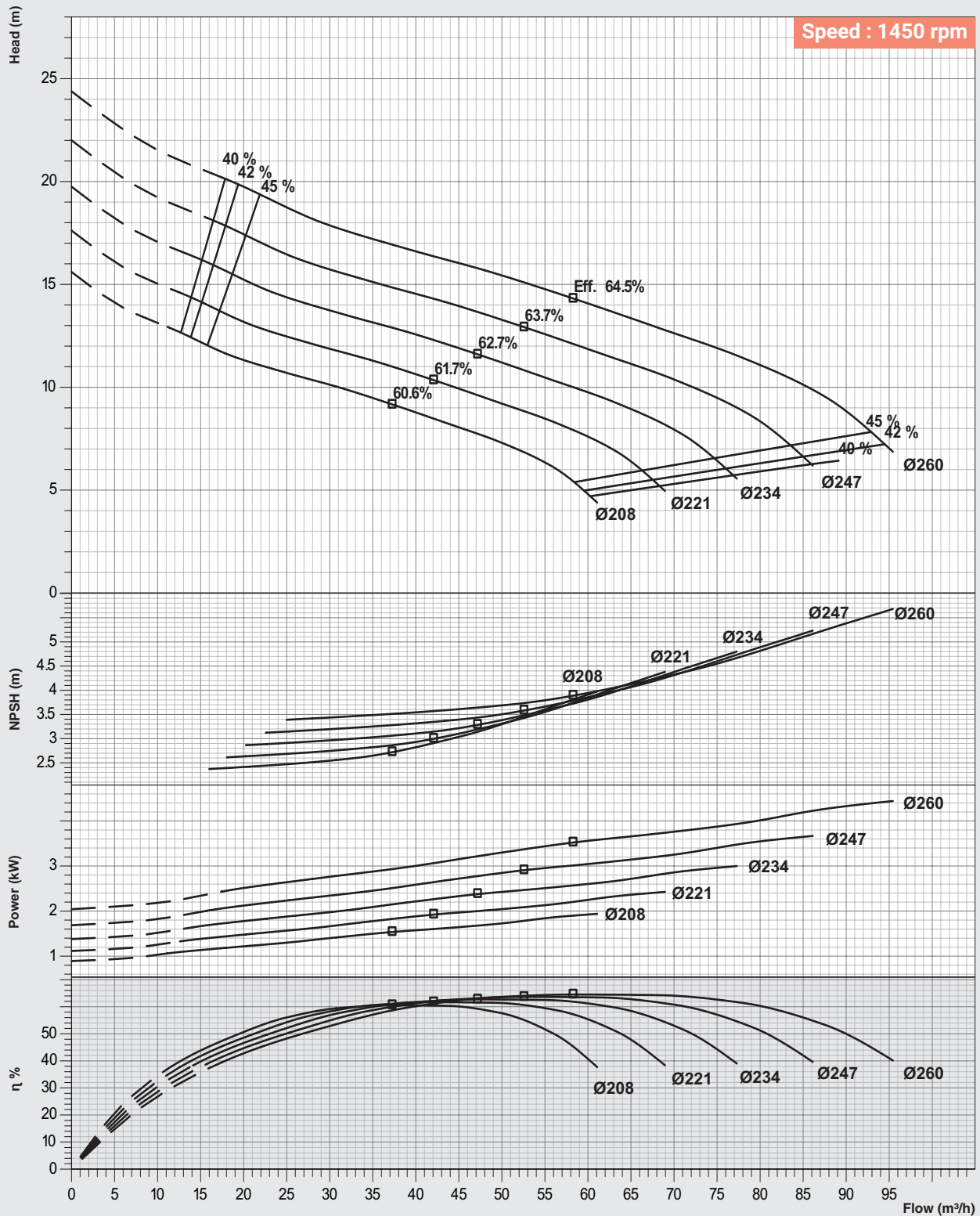
Performance curve tolerances are as per HI : 14.6 / ISO: 9906, Grade 2B

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PERFORMANCE CURVE

Pump Model : **FECP - 3 x 2.5 x 11**

Pump Size in mm (Suc X Del X Max. Imp Ø) : **3 x 2.5 x 11**
(80 x 65 x 260)



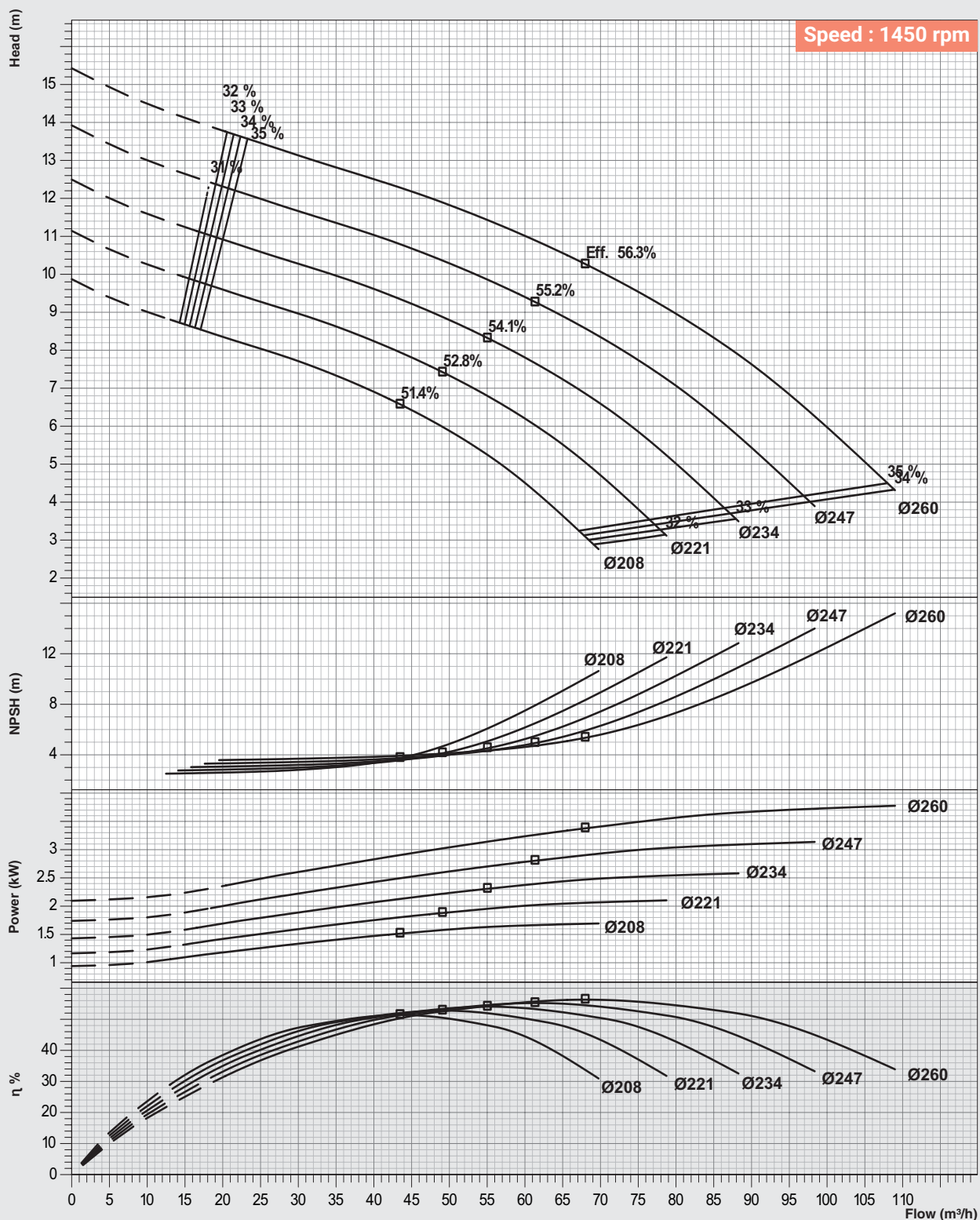
Performance curve tolerances are as per HI : 14.6 / ISO: 9906, Grade 2B

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PERFORMANCE CURVE

Pump Model : **FECP - 4 x 3 x 10.5**

Pump Size in mm (Suc X Del X Max. Imp Ø) : **4 x 3 x 10.5**
(100 x 80 x 260)



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

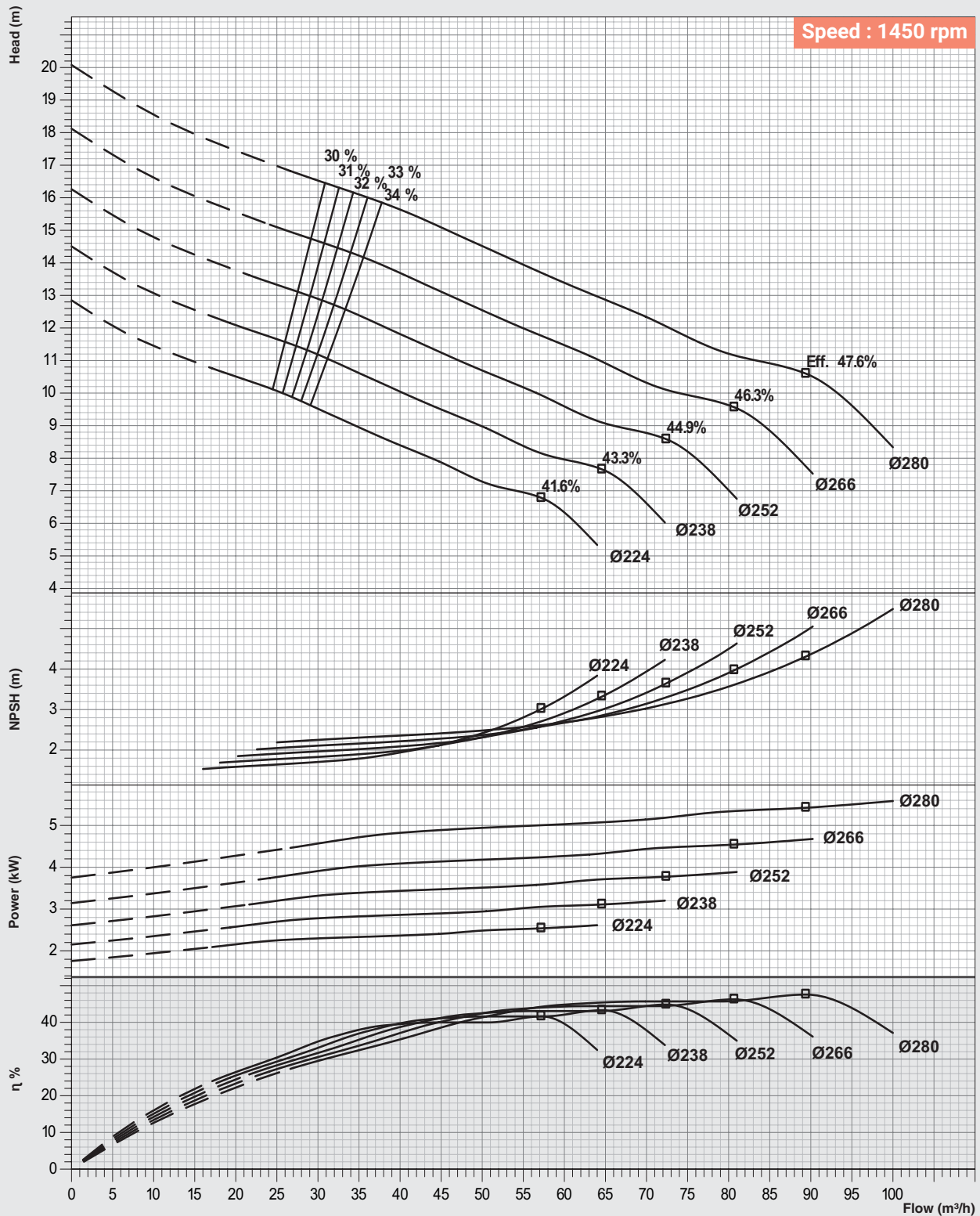
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PERFORMANCE CURVE

Pump Model : **FECP - 4 x 3 x 11**

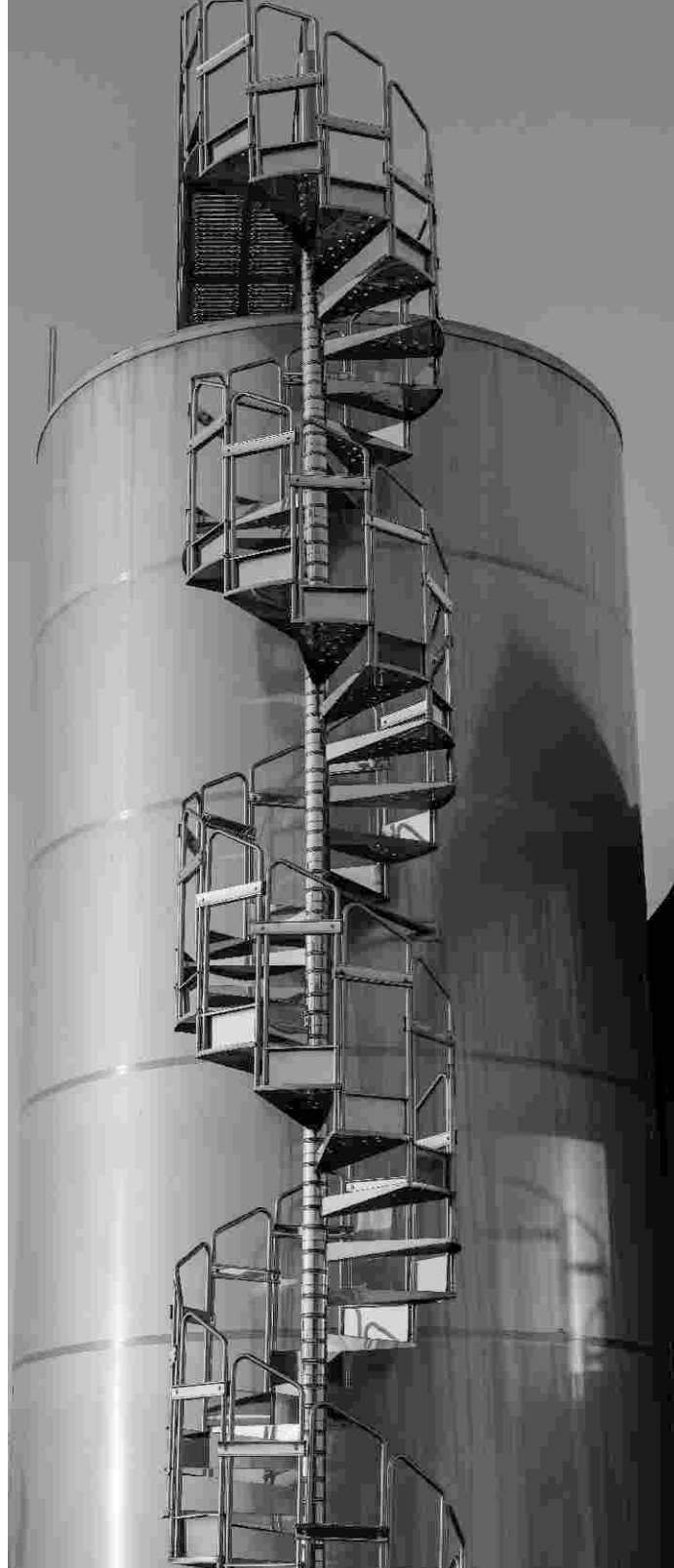
Pump Size in mm (Suc X Del X Max. Imp Ø) : **4 x 3 x 11**
(100 x 80 x 280)

Speed : 1450 rpm



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

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