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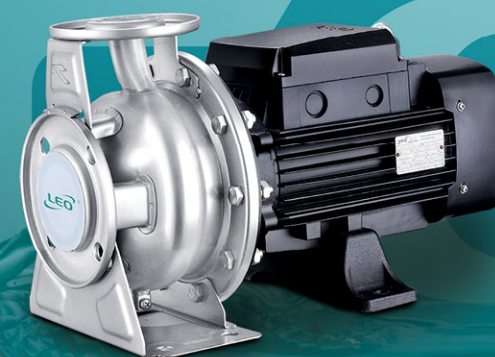


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LEO PUMP
LOVE EACH OTHER

STAINLESS STEEL STANDARD CENTRIFUGAL PUMP



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INTRODUCTION LEO PUMP's History and Culture

LEO PUMP, founded in 1995, is a leading professional pump & system solution provider, engaged in R&D, manufacture, sales and service of all series pumps and systems. Our products are widely used in water conservancy & water resources, power plants, petrochemical industry, mining&metallurgical industry, civilian water applications, garden machinery and solar pump& system.

With more than 27 years' profession and experience, LEO has become one of the world's famous pump brands. We've set up many production and sales subsidiaries in key regional markets, such as USA, Hungary, Thailand, Indonesia, Dubai, Bangladesh, Russia, UK and Malaysia. Our innovations have brought changes to more than 145 countries and regions, served over 500 million end-users.

We keep adhering to philosophy of "run business with virtue,pursue success with perfection, win victory with efficiency, go forward with right actions" and focus on developing safe and high-efficiency pump and system, being a sustainable development industry leader. Going forward we will continue our consistent creativity and development ability in each pump for human's health!

1995

Establish Wenling Xinke Pump Research Institute.

2007

Got listed in Shenzhen Stock Exchange.

2014&2015

Set up LEO Dubai.
Established integrated digital Media group.

2021

Set up LEO Malaysia.
Enter into the global pump project industry.

2001

Exported to EU.
Set up Taizhou LEO Electric Co., Ltd

2012

Complete the layout of industrial pump.
Set up LEO Hungary.

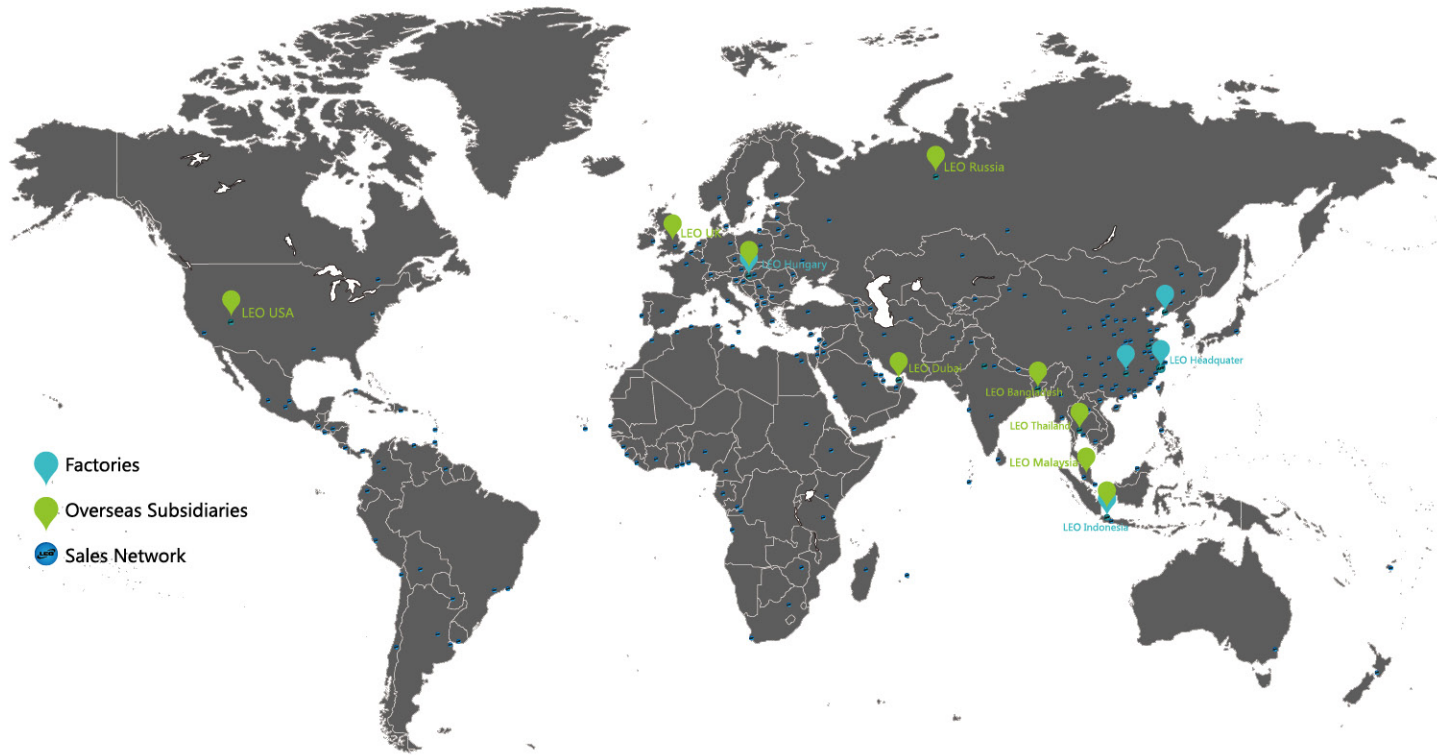
2016&2017

Set up LEO Indonesia and LEO Thailand.
Set up LEO Bangladesh



LEO WORLD

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LEO IN NUMBERS

5

Production Bases

145

Countries

1,200⁺

Domestic authorized agency

9

Overseas subsidiaries

500⁺

Million end-users served

15,000⁺

Global sales outlets

Globally we have 5 production plants and relevant professional sales and technical teams with over 500 technicians to support global sales and service. We also set up several sales and production subsidiaries in key regional markets such as USA, Hungary, Thailand, Indonesia, Dubai, Bangladesh, Russia, UK and Malaysia with global employees over 6,000.

With the past 27 years' devoting experience and extraordinary comprehensive strength, LEO has obtained over 700 patents and become a leading pump company in China and we will keep focus on the development of safe and high-efficient pump&system, being a sustainable enterprise in the industry!



XZB
Stainless Steel Standard
Centrifugal Pump



Application

- Water supply: filtration and trasfer at waterworks, regional water supply and pressure boosting in main pipe
- Industrial pressure boosting: Water system, cleaning system
- Industrial water supply: boiler feeding, cooling system, air conditioning, transportation of light acid and alkali liquid
- Water treatment: distillation systems, separators, swimming pools
- Agricultural irrigation, petrochemical industry, medicine and santation, etc.

Operating Conditions

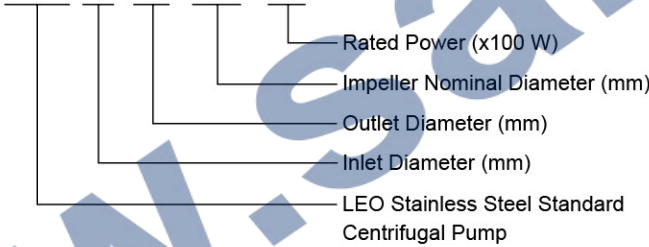
- Thin, clean, non-flammable and explosive, not containing the liquid with solid particles and fibers
- Liquid temperature: -15°C - +80°C
- Flow range: 0.7 - 132 m³/h
- Head range: 9 - 58 m
- Ambient temperature range: -15°C - + 40°C
- Max. operating pressure: 10 bar
- Altitude: up to 1000 m
- Liquid PH valve: 3 - 9
- Max.ambient temperature: +40°C

Motor

- IE2 Motor (IE3 motor availableon request for power≥9.2kw)
- Totally enclosed & fan-cooled
- Protection class: IP55
- Insulation class: F

Identification Codes

XZB 65- 50- 160 / 40



Accessories on Request



AISI304 Threaded flange



Flange gasket

Materials Table

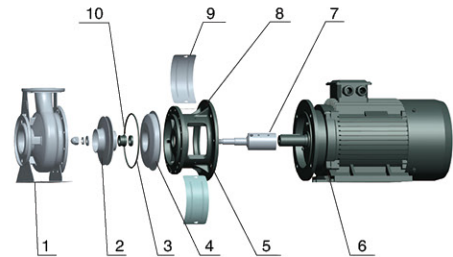
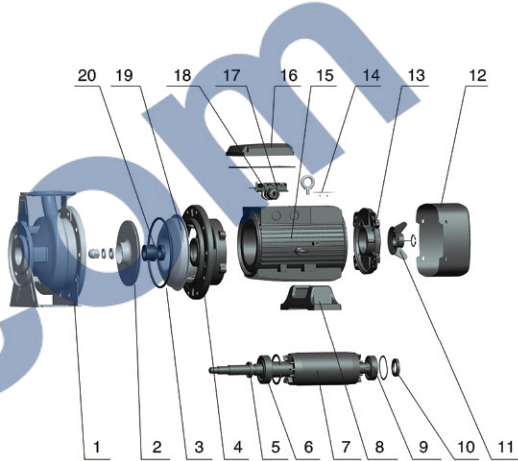
1.1kW ~ 7.5kW

No.	Part	Material
1	Pump body	AISI 316
2	Impeller	AISI 316
3	O-ring	NBR
4	Support	HT200
5	Oil seal	
6	Bearing	
7	Rotor	
8	Stand	HT200
9	Bearing	
10	Oil seal	

No.	Part	Material
11	Fan	PP
12	Fan cover	PP-GF15
13	Rear cover	ZL102
14	Nameplate	AISI 316
15	Stator	
16	Terminal cover	ZL102
17	Terminal board	
18	Cable holder	
19	Support cover	AISI 316
20	Mechanical seal	

9.2kW ~ 22kW

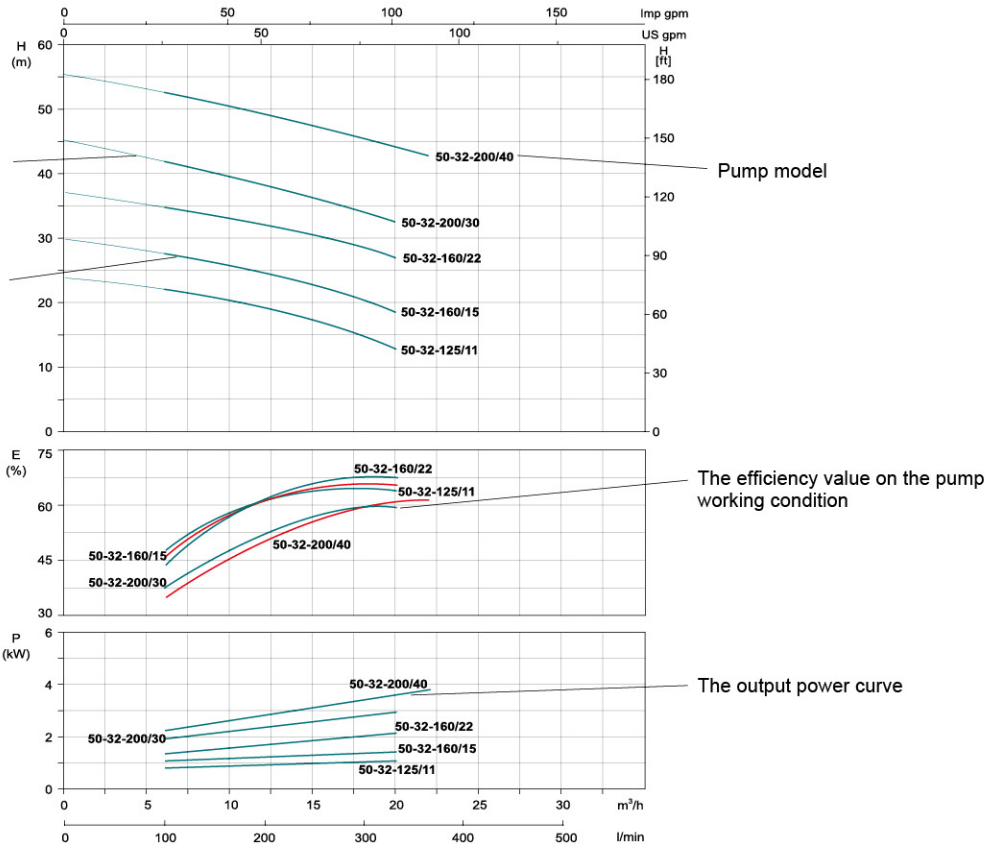
No.	Part	Material
1	Pump body	AISI 316
2	Impeller	AISI 316
3	O-ring	NBR
4	Support cover	AISI 316
5	Support	HT200
6	Motor	
7	Rotor	AISI 316 / CI45
8	Nameplate	AISI 316
9	Guard plate	AISI 316
10	Mechanical seal	



How to Read the Curve Charts

The thin curves indicate the duty range where long-time operating is not allowed

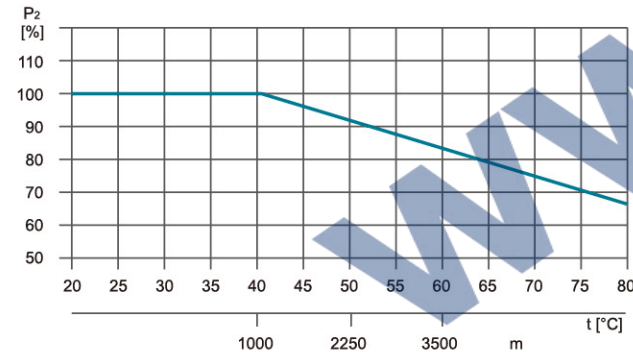
The bold curves indicate the duty range where long-time operating is permitted for best efficiency



Ambient Temperature

Max. Ambient temperature: +40°C. Ambient temperature above 40°C, or installation at altitude of more than 1000 m above sea level, require the use of an oversize motor. Because of low air density and poor cooling effects, the motor output power P2 will be decreased. See the picture.

For example, when the pump is installed at altitude of more than 3500 m above sea level, P2 will be decrease to 88%. When the ambient temperature is 70°C, P2 will be decreased to 78%.



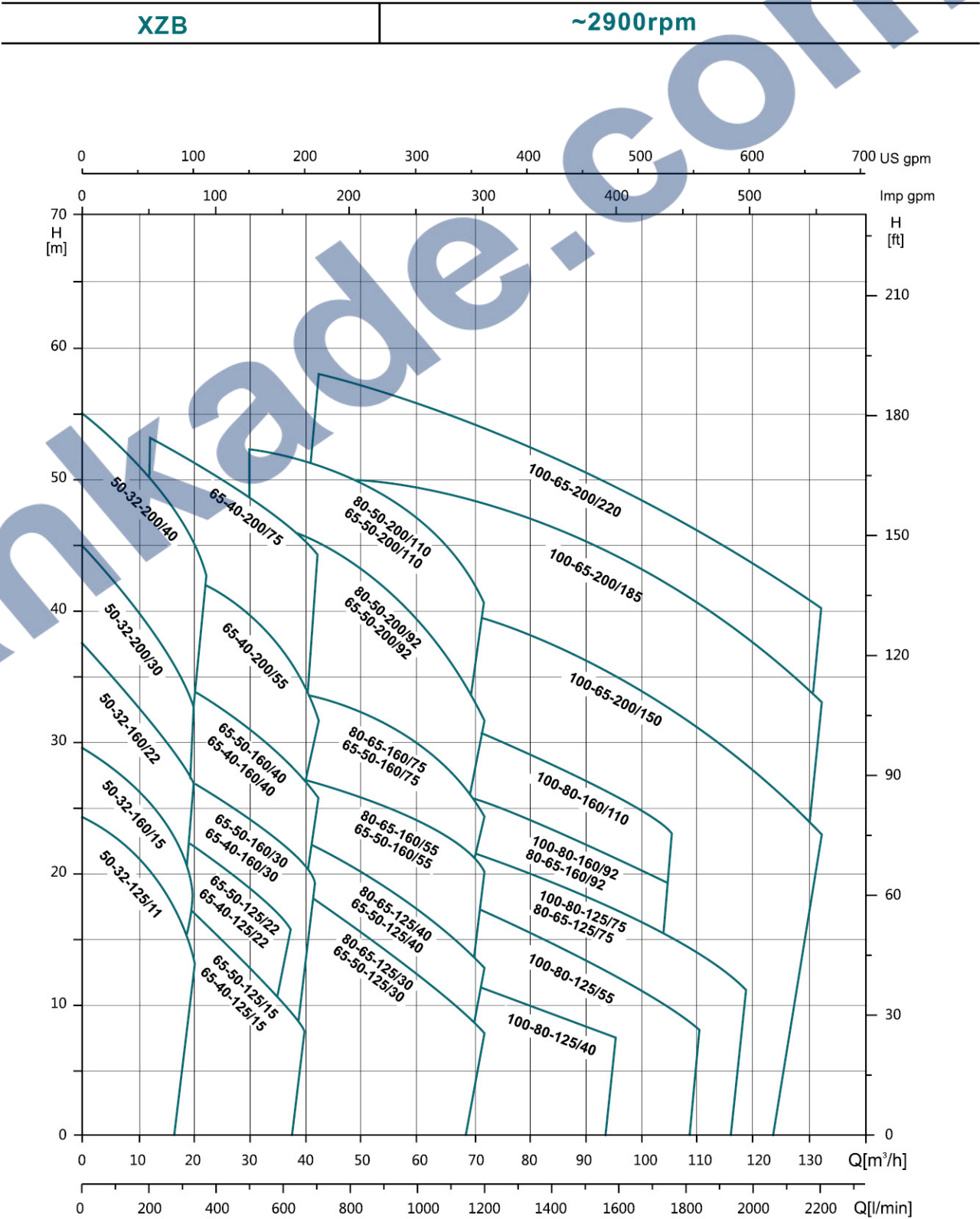


Technical Data

Model		Power		Q(m³/h)	0	6	9	12	18	20	22	24	27	30	36	42	48	60	72	90	108	114	120	126	132
GB5662 Standard	EN733 Standard	kW	HP	Q(l/min)	0	100	150	200	300	333	360	400	450	500	600	700	800	1000	1200	1500	1800	1900	2000	2100	2200
XZB50-32-125/11		1.1	1.5	H (m)	24	21.5	20.5	19.5	16	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
XZB50-32-160/15		1.5	2		29.5	27	26	25	21	18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
XZB50-32-160/22		2.2	3		37	33.5	32.5	32	28.5	27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
XZB50-32-200/30		3	4		45	41	40	38	34	32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
XZB50-32-200/40		4	5.5		55	51	50	49	46	45	43	-	-	-	-	-	-	-	-	-	-	-	-	-	-
XZB65-50-125/15	XZB65-40-125/15	1.5	2		20	-	-	19	18	17	16.5	15	14	12.5	10	-	-	-	-	-	-	-	-	-	-
XZB65-50-125/22	XZB65-40-125/22	2.2	3		26	-	-	23.5	22.5	22	21.5	21	20.5	19.5	16.5	-	-	-	-	-	-	-	-	-	-
XZB65-50-160/30	XZB65-40-160/30	3	4		31	-	-	29	27.5	27	26.5	25.5	25	24	22	19	-	-	-	-	-	-	-	-	-
XZB65-50-160/40	XZB65-40-160/40	4	5.5		39	-	-	35.5	34.5	34	33.5	32.5	32	31	29	26	-	-	-	-	-	-	-	-	-
XZB65-40-200/55		5.5	7.5		47	-	-	43	42.5	42	41.5	41	40.5	39	37	33	-	-	-	-	-	-	-	-	-
XZB65-40-200/75		7.5	10		57	-	-	53	52.5	52	51	50	49	48	46.5	44.5	-	-	-	-	-	-	-	-	-
XZB80-65-125/30	XZB65-50-125/30	3	4		22.5	-	-	-	-	-	-	20	19.5	19	18.5	17.5	16	13	9	-	-	-	-	-	-
XZB80-65-125/40	XZB65-50-125/40	4	5.5		25.5	-	-	-	-	-	-	23	22.5	22	21.5	20.5	20	17	13.5	-	-	-	-	-	-
XZB80-65-160/55	XZB65-50-160/55	5.5	7.5		33	-	-	-	-	-	-	29.5	29	28.5	28	27	26	24	20	-	-	-	-	-	-
XZB80-65-160/75	XZB65-50-160/75	7.5	10		39	-	-	-	-	-	-	36	35	34.5	34	33.5	32.5	29	24	-	-	-	-	-	-
*XZB80-50-200/92	XZB65-50-200/92	11	15		53	-	-	-	-	-	-	-	-	48	47.5	46.5	44.5	39.5	34	-	-	-	-	-	-
*XZB80-50-200/110	XZB65-50-200/110	11	15		57.5	-	-	-	-	-	-	-	-	53	51	50.5	50	47	41	-	-	-	-	-	-
XZB100-80-125/40		4	5.5		20	-	-	-	-	-	-	-	-	-	17.5	16.5	15.5	14	12	7	-	-	-	-	-
XZB100-80-125/55		5.5	7.5		23	-	-	-	-	-	-	-	-	-	21.5	20.5	20	18	16	12	7.5	-	-	-	-
XZB100-80-125/75	XZB80-65-125/75	7.5	10		29	-	-	-	-	-	-	-	-	-	27.5	26.5	25.5	23.5	21.5	17.5	13	12	-	-	-
*XZB100-80-160/92	XZB80-65-160/92	11	15		33	-	-	-	-	-	-	-	-	-	-	31	30	28	26	23	-	-	-	-	-
*XZB100-80-160/110	XZB80-65-160/110	11	15		38.5	-	-	-	-	-	-	-	-	-	-	36	35	33	31	28	-	-	-	-	-
*XZB100-65-200/150		15	20		47	-	-	-	-	-	-	-	-	-	-	44	43	41	39	36	32	30	28	26	23
*XZB100-65-200/185		18.5	25		53	-	-	-	-	-	-	-	-	-	-	51	50	49	48	45	41	39	37	35	33
*XZB100-65-200/220		22	30		58	-	-	-	-	-	-	-	-	-	-	57	56	55	54	51	47	45.5	44	42	40

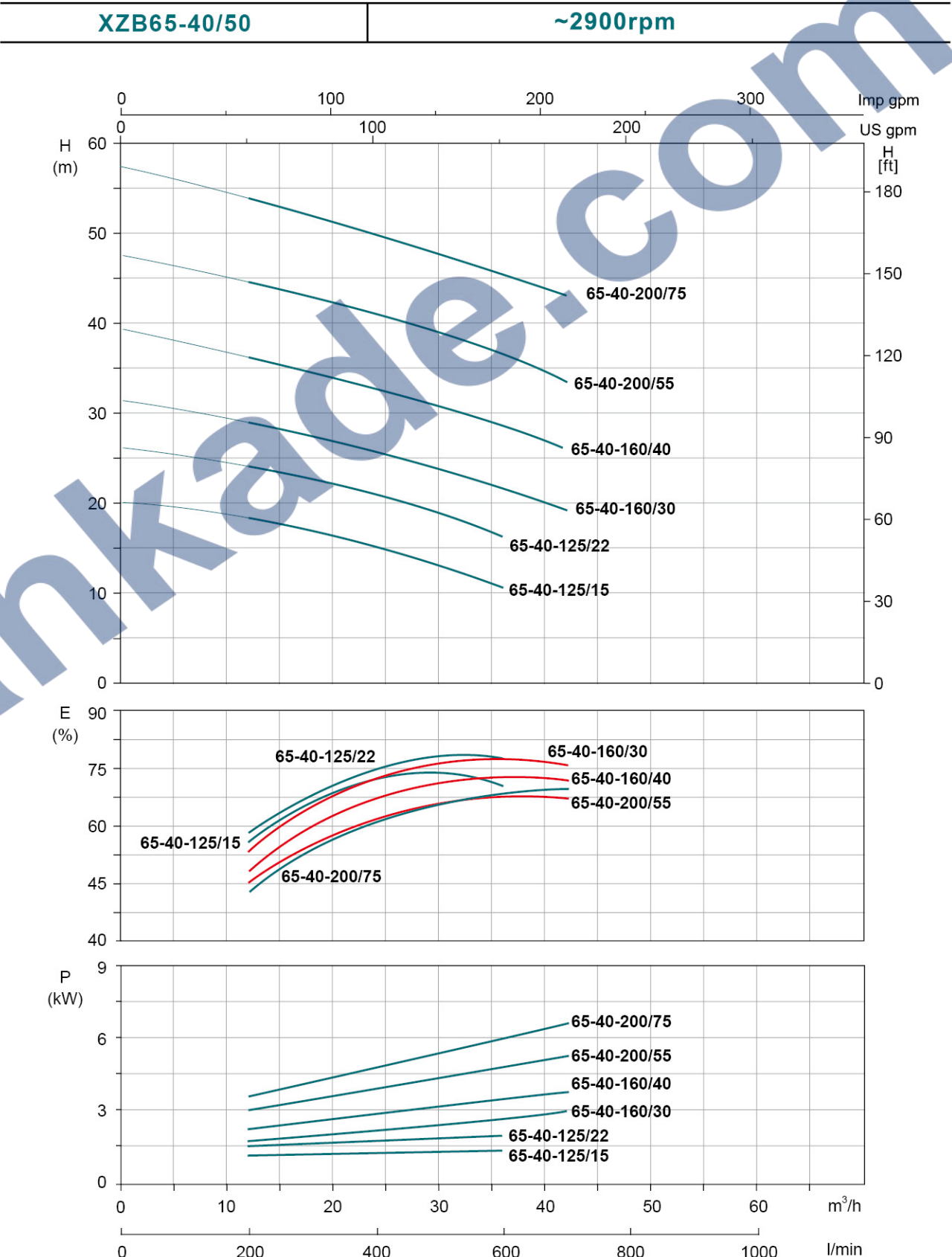
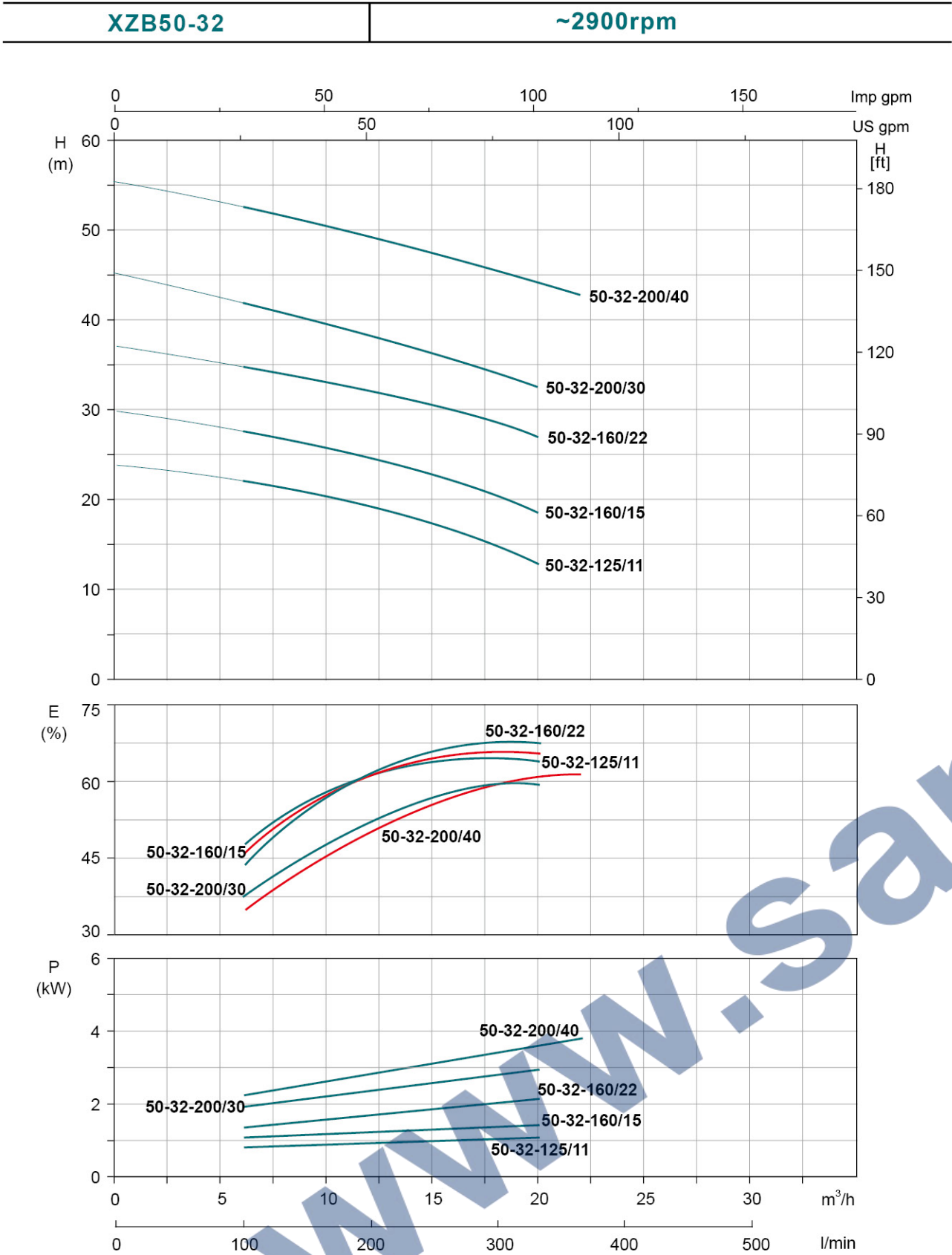
* =IE3 motor optional on request.

Characteristic Curves

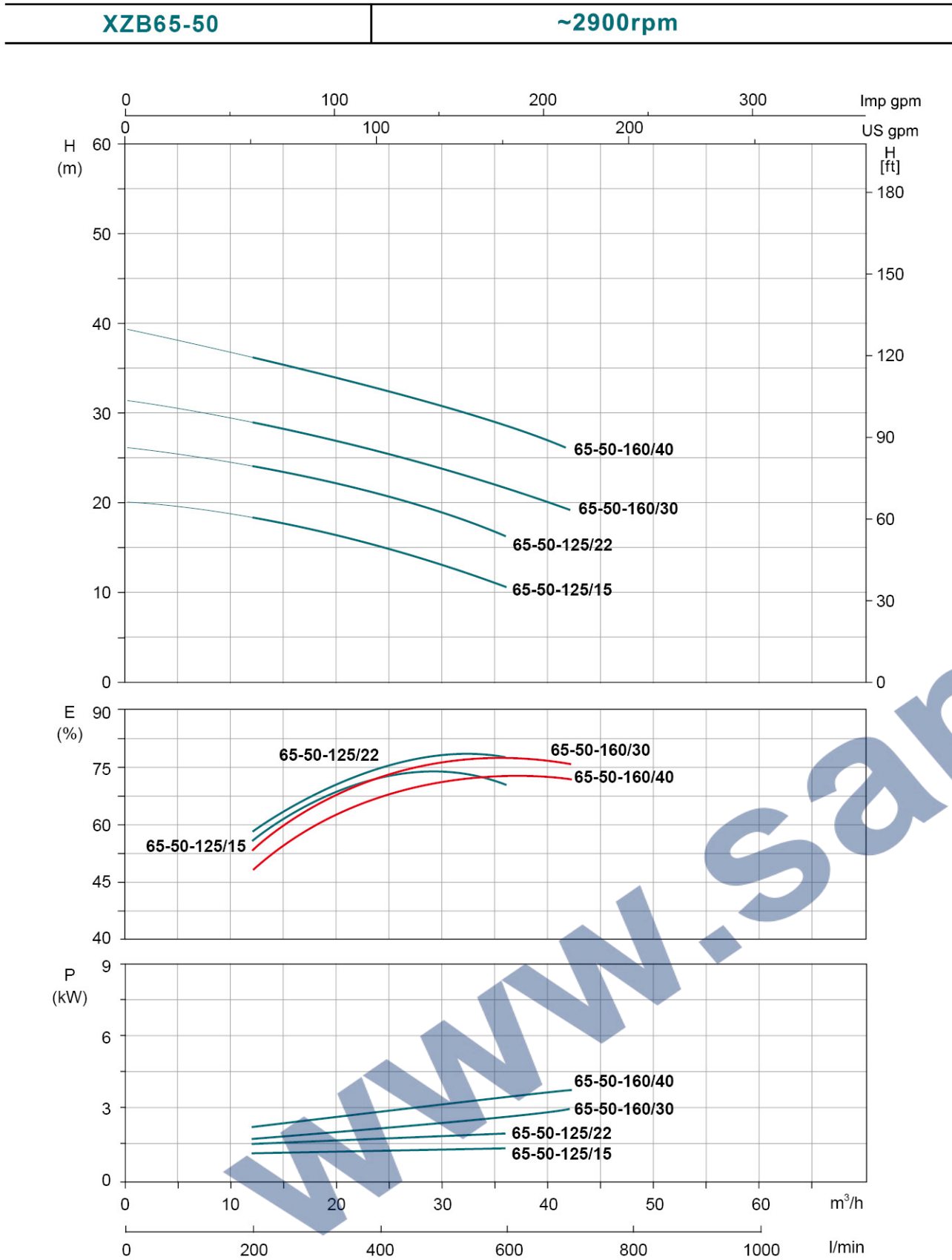


Hydraulic Performance Curves

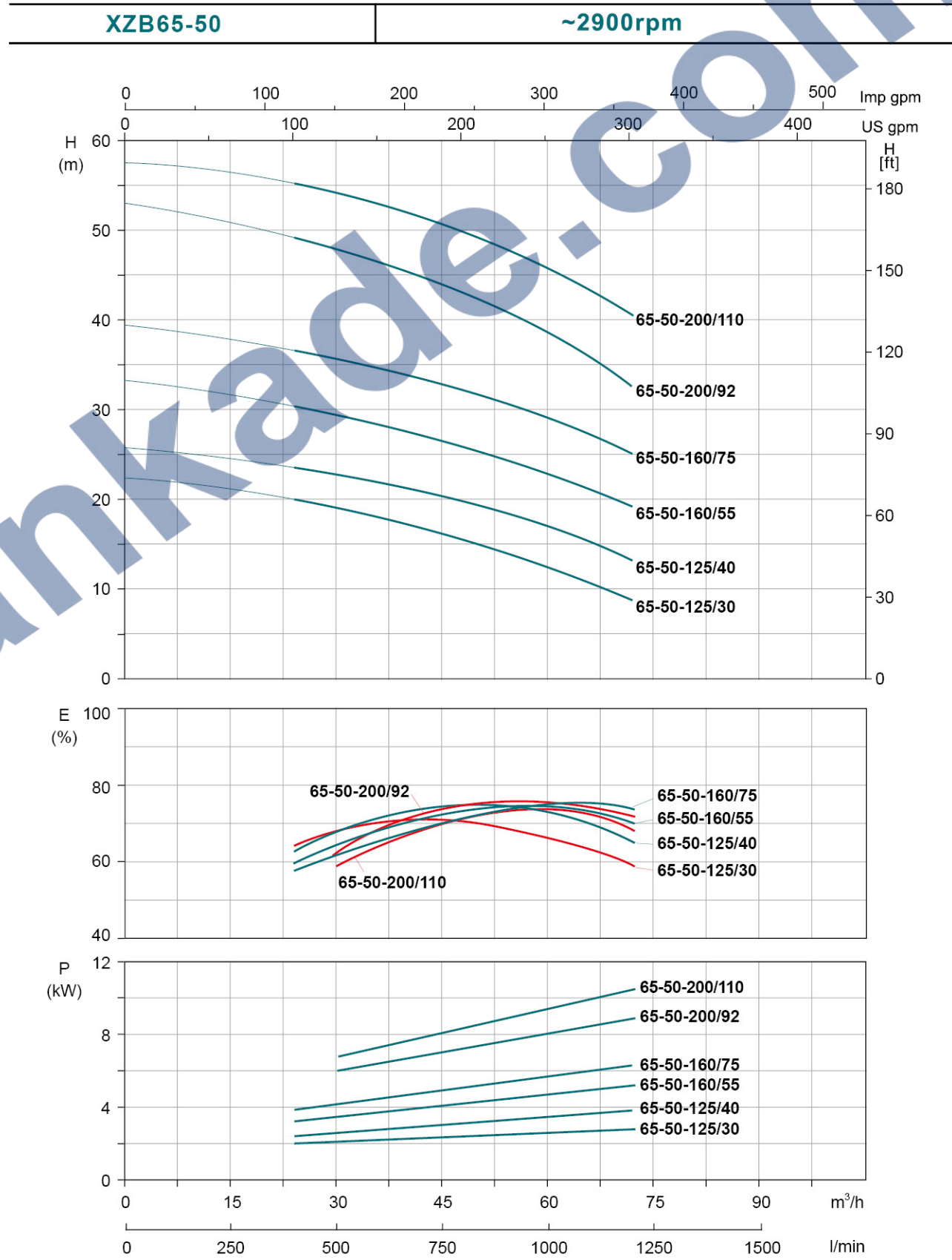
Hydraulic Performance Curves



Hydraulic Performance Curves



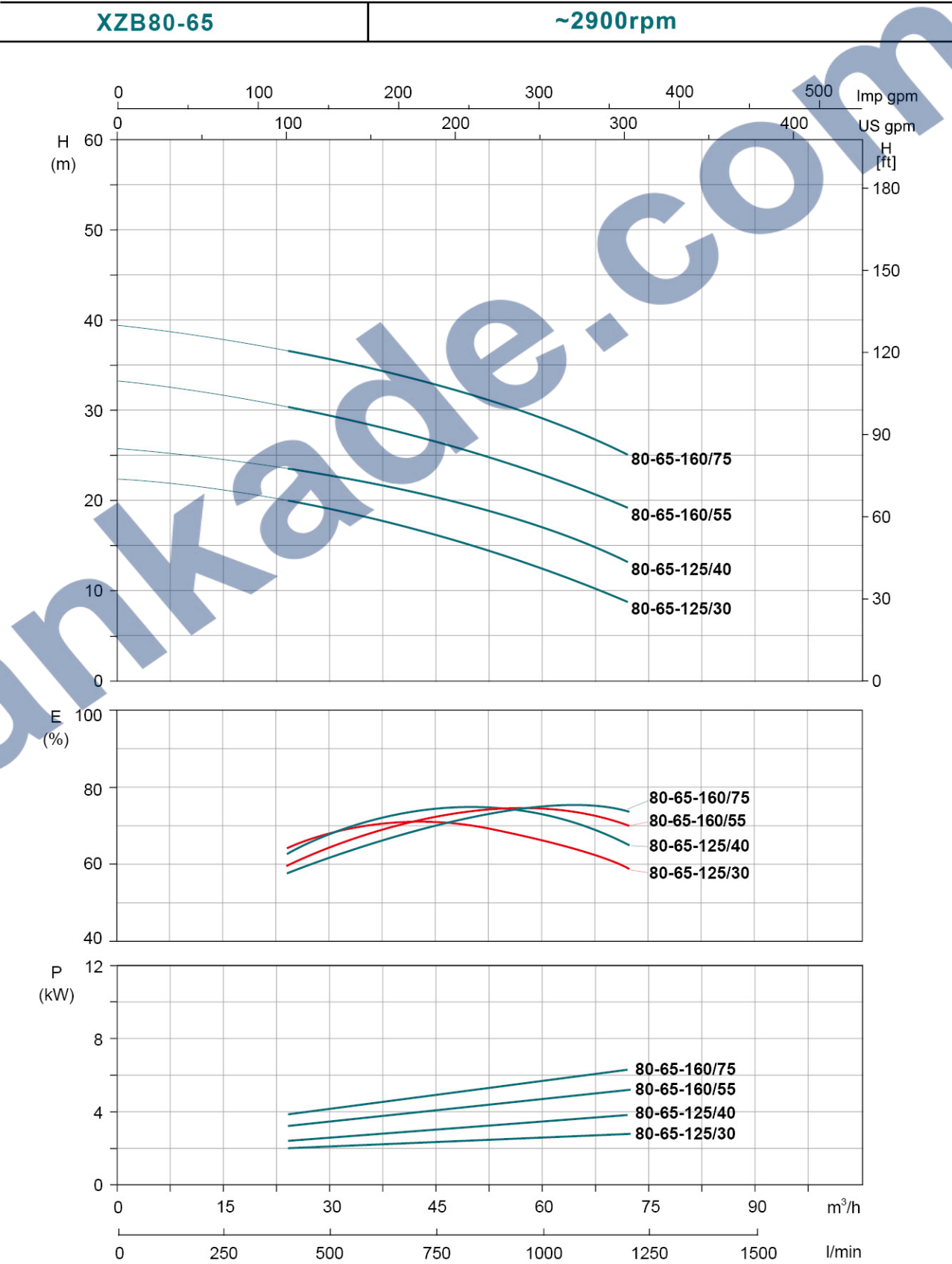
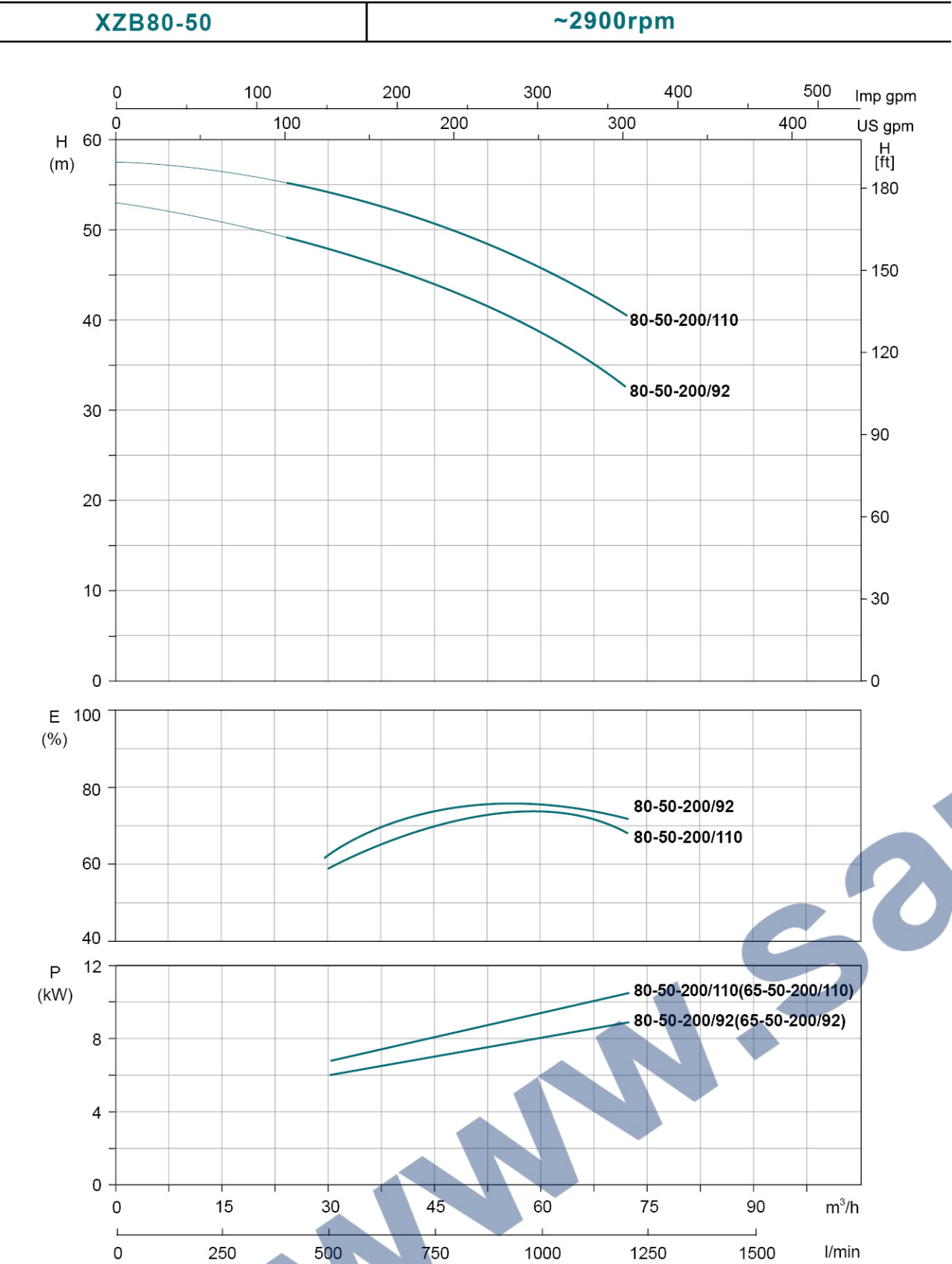
Hydraulic Performance Curves





Hydraulic Performance Curves

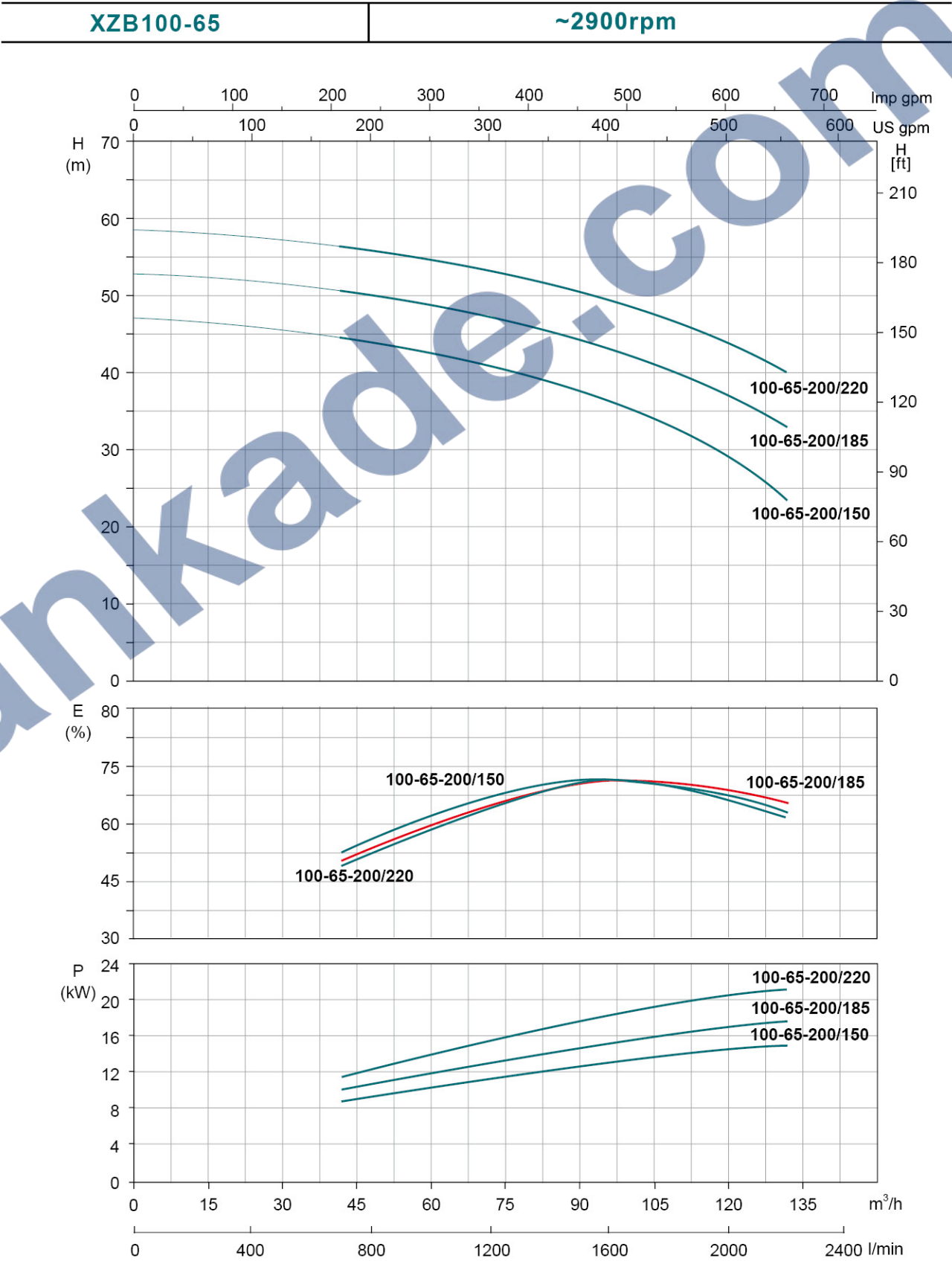
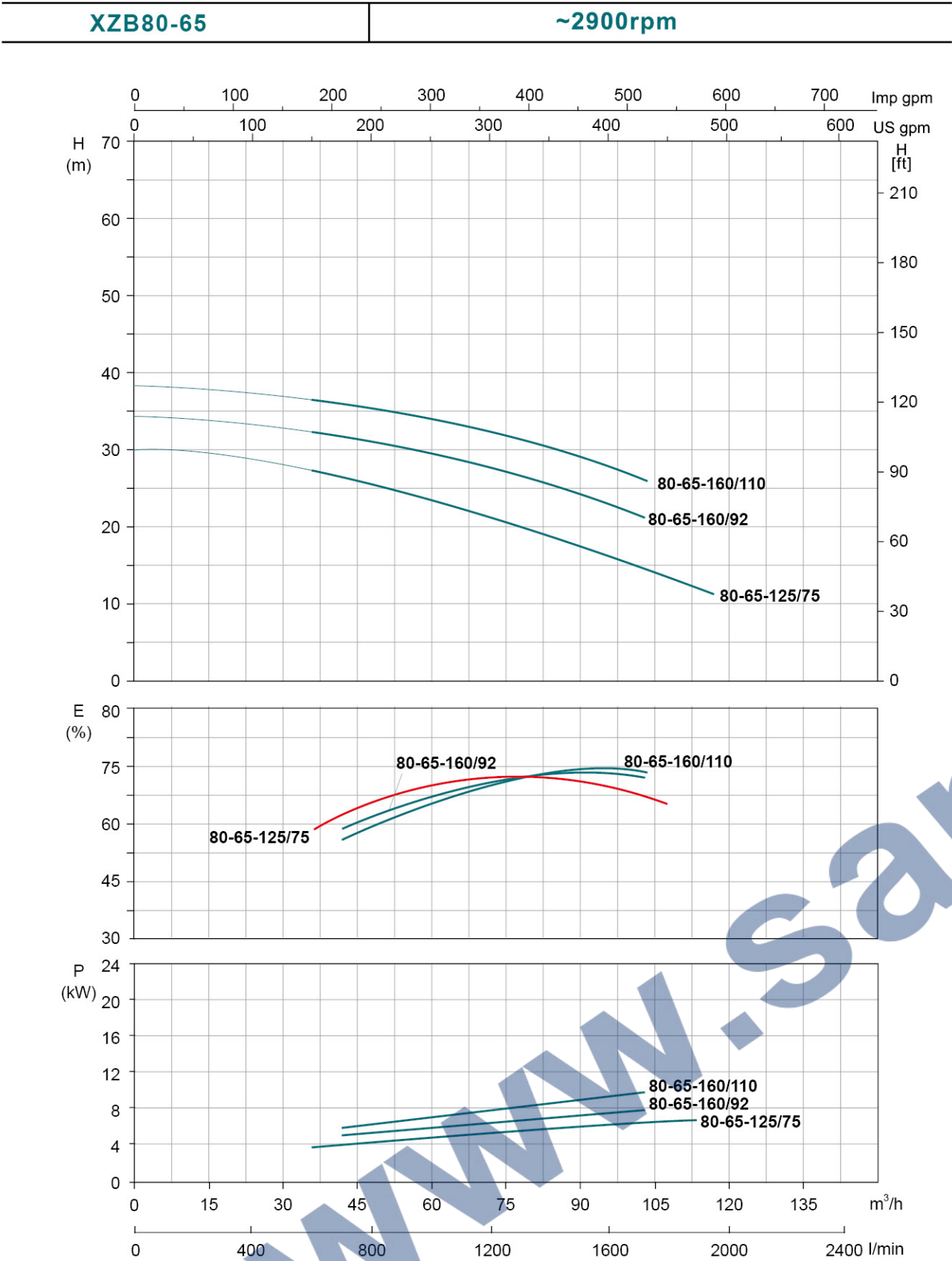
Hydraulic Performance Curves





Hydraulic Performance Curves

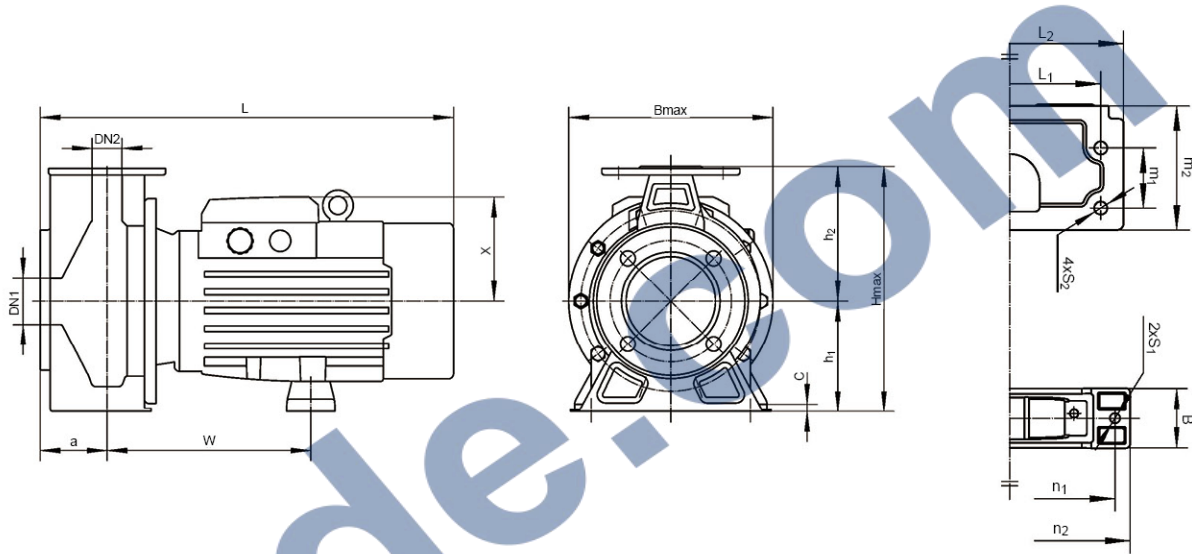
Hydraulic Performance Curves





Installation Sketch

For model $\leq 7.5\text{kW}$



Model	DN1	DN2	a	W	L	L1	L2	m1	m2	n1	n2	h1	h2	2-S1	4-S2	B	C	X	Bmax	Hmax
XZB50-32-125/11	50	32	80	205	475	140	190	70	122	205	240	112	140	2-Ø12	4-Ø15	65	12	127	240	250
XZB50-32-160/15	50	32	80	207	477	190	240	70	122	205	240	132	160	2-Ø12	4-Ø15	65	12	127	244	292
XZB50-32-160/22	50	32	80	207	477	190	240	70	122	205	240	132	160	2-Ø12	4-Ø15	65	12	127	244	292
XZB50-32-200/30	50	32	80	244	492	190	240	70	124	225	260	160	180	2-Ø12	4-Ø15	75	15	124	295	340
XZB50-32-200/40	50	32	80	244	492	190	240	70	124	225	260	160	180	2-Ø12	4-Ø15	75	15	124	295	340
XZB65-50-125/15	65	50	80	205	475	160	210	70	121	205	240	112	140	2-Ø12	4-Ø15	65	12	127	240	252
XZB65-50-125/22	65	50	80	205	475	160	210	70	121	205	240	112	140	2-Ø12	4-Ø15	65	12	127	240	252
XZB65-50-160/30	65	50	80	244	492	190	240	70	123	225	260	132	160	2-Ø12	4-Ø15	75	15	124	260	292
XZB65-50-160/40	65	50	80	244	492	190	240	70	123	225	260	132	160	2-Ø12	4-Ø15	75	15	124	260	292
XZB65-40-200/55	65	40	40	246	563	212	265	70	146	245	280	160	180	2-Ø12	4-Ø15	70	15	142	295	340
XZB65-40-200/75	65	40	40	246	563	212	265	70	146	245	280	160	180	2-Ø12	4-Ø15	70	15	142	295	340
XZB80-65-125/30	80	65	65	254	522	190	240	70	158	225	260	132	160	2-Ø12	4-Ø15	75	15	124	260	292
XZB80-65-125/40	80	65	65	254	522	190	240	70	158	225	260	132	160	2-Ø12	4-Ø15	75	15	124	260	292
XZB80-65-160/55	80	65	65	256	573	212	265	70	150	245	280	160	180	2-Ø12	4-Ø15	70	15	142	280	340
XZB80-65-160/75	80	65	65	256	573	212	265	70	150	245	280	160	180	2-Ø12	4-Ø15	70	15	142	280	340
XZB100-80-125/40	100	80	80	256	524	212	280	95	155	225	260	160	180	2-Ø12	4-Ø15	75	15	124	280	340
XZB100-80-125/55	100	80	80	258	575	212	280	95	155	245	280	160	180	2-Ø12	4-Ø15	70	15	142	280	340
XZB100-80-125/75	100	80	80	258	575	212	280	95	155	245	280	160	180	2-Ø12	4-Ø15	70	15	142	280	340
XZB65-40-125/15	65	40	80	205	475	160	210	70	121	205	240	112	140	2-Ø12	4-Ø15	65	12	127	240	252
XZB65-40-125/22	65	40	80	205	475	160	210	70	121	205	240	112	140	2-Ø12	4-Ø15	65	12	127	240	252
XZB65-40-160/30	65	40	80	244	492	190	240	70	123	225	260	132	160	2-Ø12	4-Ø15	75	15	124	260	292
XZB65-40-160/40	65	40	80	244	492	190	240	70	123	225	260	132	160	2-Ø12	4-Ø15	75	15	124	260	292
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XZB65-50-125/40	65	50	100	254	522	190	240	70	158	225	260	132	160	2-Ø12	4-Ø15	75	15	124	260	292
XZB65-50-160/55	65	50	100	256	573	212	265	70	150	245	280	160	180	2-Ø12	4-Ø15	70	15	142	280	340
XZB65-50-160/75	65	50	100	256	573	212	265	70	150	245	280	160	180	2-Ø12	4-Ø15	70	15	142	280	340
XZB80-65-125/75	80	65	100	258	575	212	280	95	155	245	280	160	180	2-Ø12	4-Ø15	70	15	142	280	340

