

Application

- Circulation and transfer of clean, chemically non-aggressive water and other liquids
- Water supply & irrigation
- Water circulation in air conditioning systems

Operating conditions

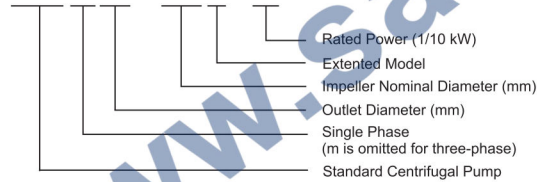
- Delivery: up to 220 m³/h
- Head: up to 95 m
- Liquid temperature:
Standard: -10°C to 85°C
- Maximum operating pressure: 12 bar (PN12)
Anti-clockwise rotation when facing pump's suction port
- Impeller: AISI304/HT200
- Mechanical seal in compliance with DIN 24960
- Lubricated by internal recirculating pumped liquid
- Counter flange available on request

Motor

- Closed construction, external ventilation
- Insulation class: F
- Protection class: IP54
- Performance in compliance with CEI 2-3 (IEC 34.1)
- Max. ambient temperature: +40°C
- Overload protection

Identification Codes

XST m 32 – 125 K / 11

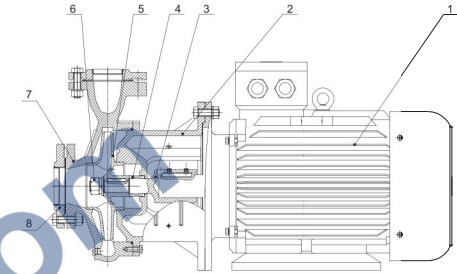


Accessories on Request

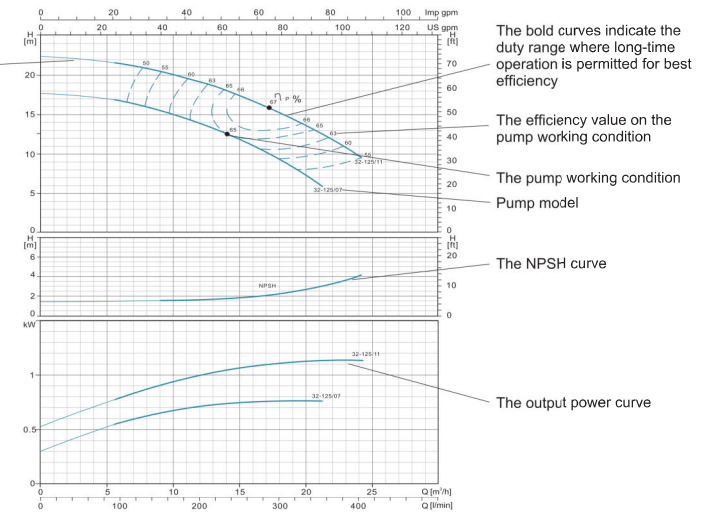
- Galvanised iron threaded counter flanges
- Flanged tapered coupling
- Pump and motor sealing gasket

Materials Table

No.	Part	Material
1	Motor	
2	Support	HT 200
3	Pump shaft	Steel/AISI 304
4	Mechanical seal	Carbon/Silicon carbide
5	Impeller	HT 200/Stainless Steel
6	Nut	AISI 304
7	Pump body	HT 200
8	Flange	HT 200



How to Read The Curve Charts



Guidelines to Performance Curves

Tolerances to ISO 9906, Annex A. Measurements have been made with airless water at a temperature of 20°C and kinematic viscosity of 1mm²/s. To avoid overheating of the motor, the pump should not be use against a high head for a long time.



Construction Features

- Single-impeller centrifugal pump featuring axial intake and radial discharge
- Inlet and outlet DN in compliance with EN 733 (ex DIN 24255) and UNI 7467
- Flanges in compliance with UNI 2236 and DIN 2532
- Rear entry (impeller, motor can be extracted without disconnecting the pump body from the pipes)

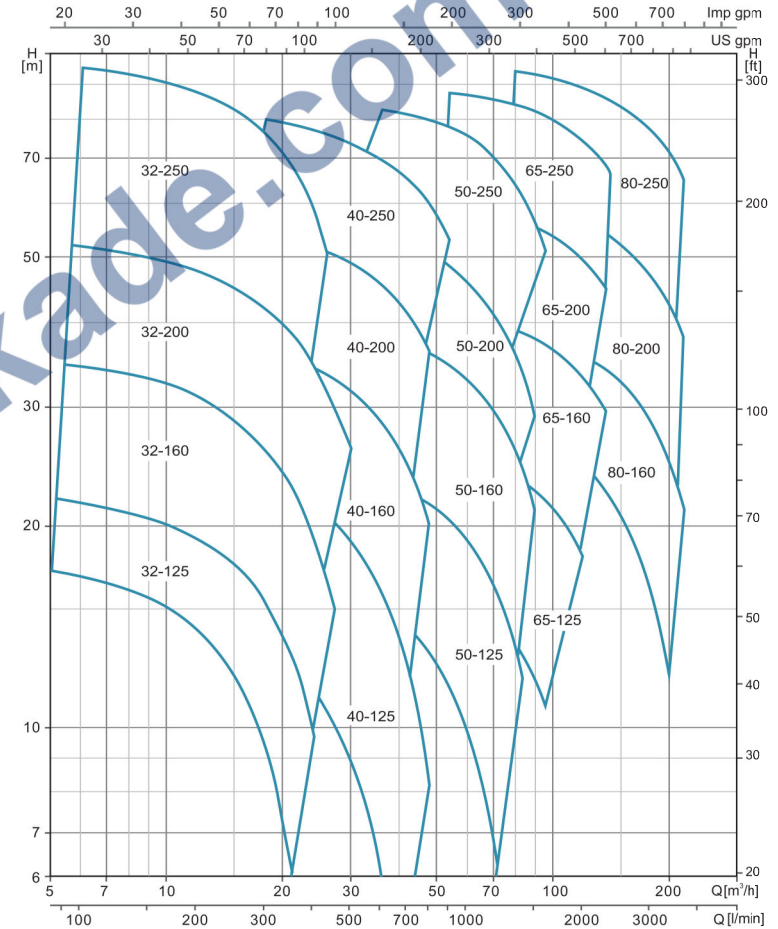
Technical Data

PUMP TYPE	POWER kW	HP	l/min	Q=DELIVERY																			
				0	100	150	250	300	400	450	600	700	800	900	1200	1400	1500	1800	2000	2300	3000	3500	
			m ³ /h	0	6	9	15	18	24	27	36	42	48	54	72	84	90	108	120	138	180	210	
32-125/07★	0.75	1	17.5	16.7	15	12	9																
32-125/11★	1.1	1.5	22	21	19.7	16.5	14.5	9															
32-160/15★	1.5	2	25.4	23.7	22.5	18.5	15.8																
32-160/22★	2.2	3	31	29.6	28.5	24.5	22	15															
32-160/30★	3	4	35	34.3	34	28	25.5	19	15														
32-200/30★	3	4	44.2	43	39.8	35.2	32.2	24.6	19.8														
32-200/40★	4	5.5	54.5	52	50	45.5	41.9	35	30.3														
32-250/55★	5.5	7.5	79.5	74.7	71.8	63	56	37.5															
32-250/75★	7.5	10	99.5	95	91.8	83	76	57.8															
40-125/11	1.1	1.5	14.7				13.5	11.5	10.1	5.8													
40-125/15	1.5	2	18.1				17	15	13.9	9.6	6												
40-125/22	2.2	3	24.5				23.2	21.5	20.2	16	13	8.3											
40-160/30	3	4	31.8				29.5	27.5	26.3	21.5	17.5												
40-160/40	4	5.5	38				36	34	33	28.5	25	20.1											
40-200/55★	5.5	7.5	46				43.8	41.3	40.1	35	30												
40-200/75★	7.5	10	57				53.6	51.5	50	45	41	36.5											
40-250/92★	9.2	12.5	64				59	56.5	55	49.5	45	39.8											
40-250/110★	11	15	72				67.5	65	63.5	57.5	52.2	47											
40-250/150★	15	20	84.5				80	77.3	75.2	71	65	61											
50-125/22	2.2	3	17							15.4	14	12.8	11.5	6.5									
50-125/30	3	4	20							18.8	18	17	15.6	11									
50-125/40	4	5.5	24							23.1	23	21.5	20.3	15.8	11.8								
50-160/55	5.5	7.5	32							30.6	30	28	26.6	20.5	14.8								
50-160/75	7.5	10	40							38	37	36	34.4	29	24	21							
50-200/92★	9.2	12.5	50.5							46.8	45	43	40.9	32.5	25.7								
50-200/110★	11	15	57.5							53.5	52	50	47.5	40	33	29							
50-250/150★	15	20	68.5							64	63	61.5	59	50	41								
50-250/185★	18.5	25	77							73.2	72	70	68	60.5	51.5	47							
50-250/220★	22	30	86.3							83	81.5	80.8	78.7	70	61.9	57							
65-125/40	4	5.5	19							17.3	16.8	14.5	13	11.8									
65-125/55	5.5	7.5	23							21.3	20.9	19	17.5	16.7	13.7								
65-125/75	7.5	10	27							26	25.6	24.5	23	22.5	20	18							
65-160/92	9.2	12.5	33								31.5	30	28	27.1	24	21.5							
65-160/110	11	15	36								34.5	33	31.5	30.8	28	25.5							
65-160/150	15	20	42								41	40	38.5	37.8	35	33	29.5						
65-200/150	15	20	45.5								46	43.5	41	39.2	33								
65-200/185	18.5	25	53								53.5	51.2	48.3	47	41.5								
65-200/220	22	30	59								59.5	57.2	54	53	47	43.5							
65-200K/185	18.5	25	41.2									42	41.2	40.6	38.2	36.5	34						
65-200K/220	22	30	48									48	47.5	46	44	41							
65-200K/300	30	40	59.5									59	58.5	58	56.2	54							
65-250/220	22	30	62									61.5	58.2	56.5	54	49	45						
65-250/300	30	40	76									75	73	71.5	69.5	64.5	61.5	54					
65-250/370	37	50	90									88.3	86.5	84									
80-160/110	11	15	27											27.3	26	24.5	22.5	16					
80-160/150	15	20	32.8											32.5	31.3	30.2	28.5	22.1	16.7				
80-160/185	18.5	25	39											38	36.8	36.7	33.8	28.8	23.5				
80-200/220	22	30	48											47.5	45.5	43.5	41	32.5	24.5				
80-200/300	30	45	60											59.5	58	57	54.5	47	40.5				
80-250/370	37	50	71.5											70.5	67.5	65.5	61.5	49.5	38.5				
80-250/450	45	61	80											80.5	78.5	76.5	73.4	63.2	51				
80-250/550	55	75	92.5											93.5	91.2	89.8	86.8	77.6	68.3				

★= Stainless steel impeller

Characteristic Curves

XST	~2900rpm	ISO 9906 Annex A
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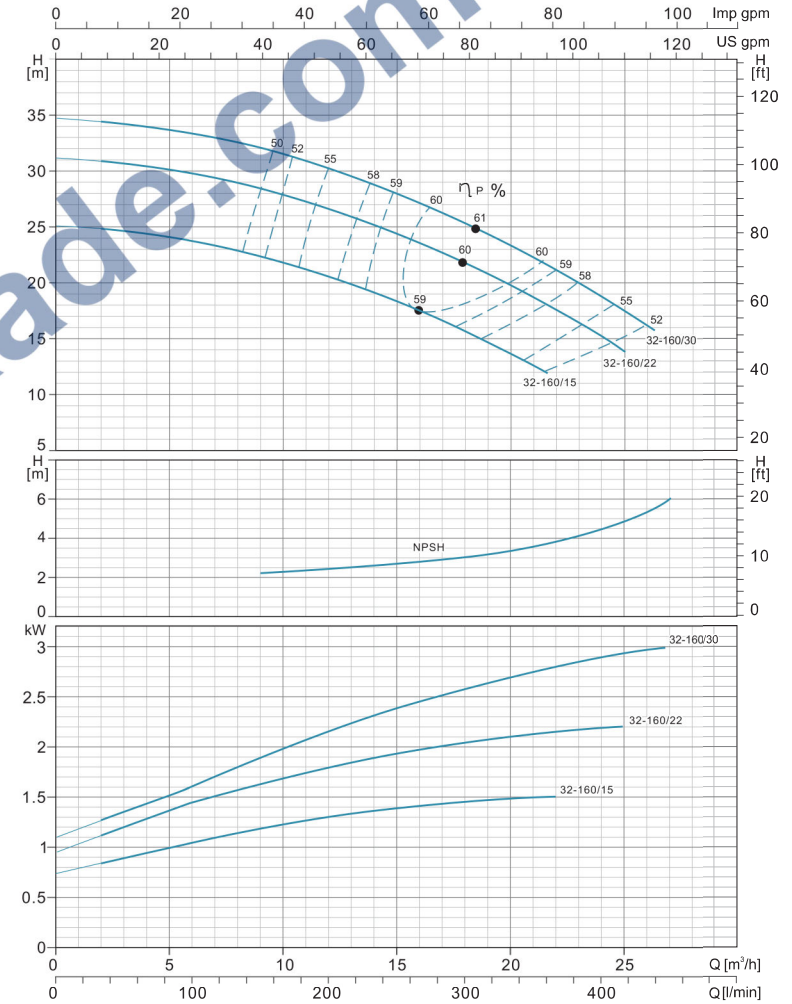
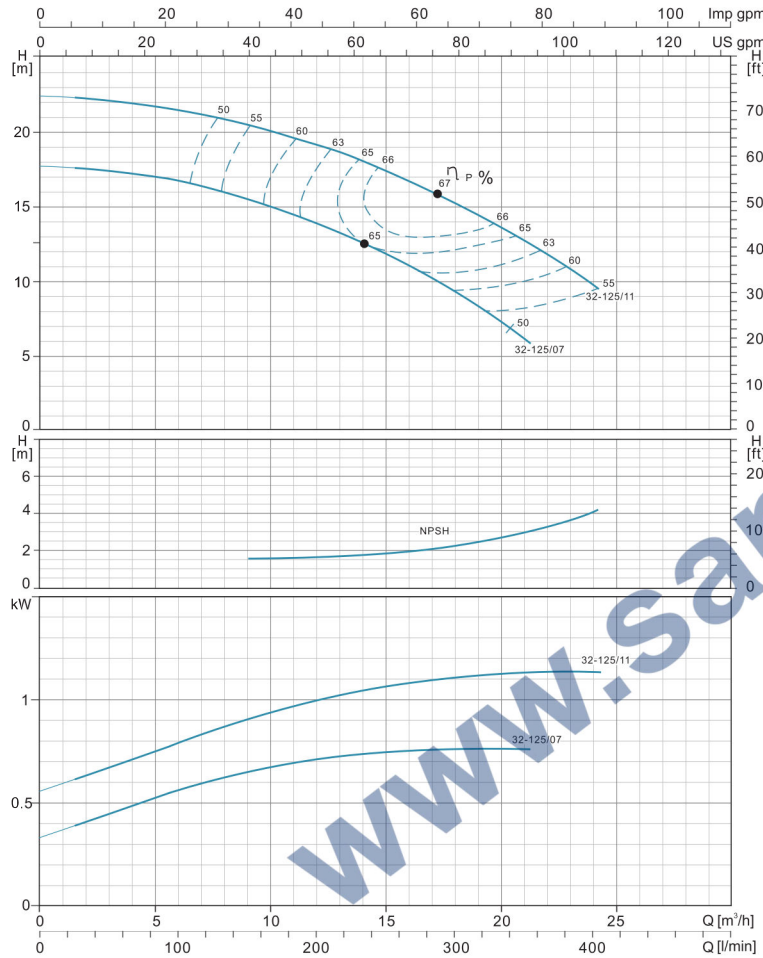


Hydraulic Performance Curves

Hydraulic Performance Curves

XST32-125	~2900rpm	ISO 9906 Annex A
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XST32-160	~2900rpm	ISO 9906 Annex A
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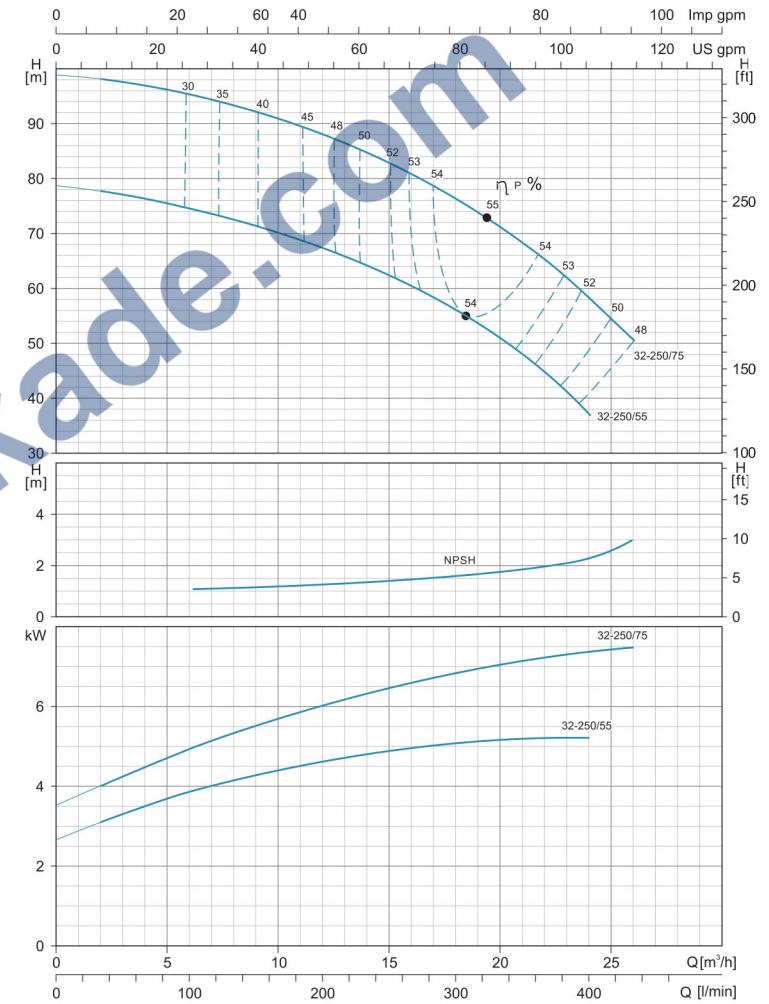
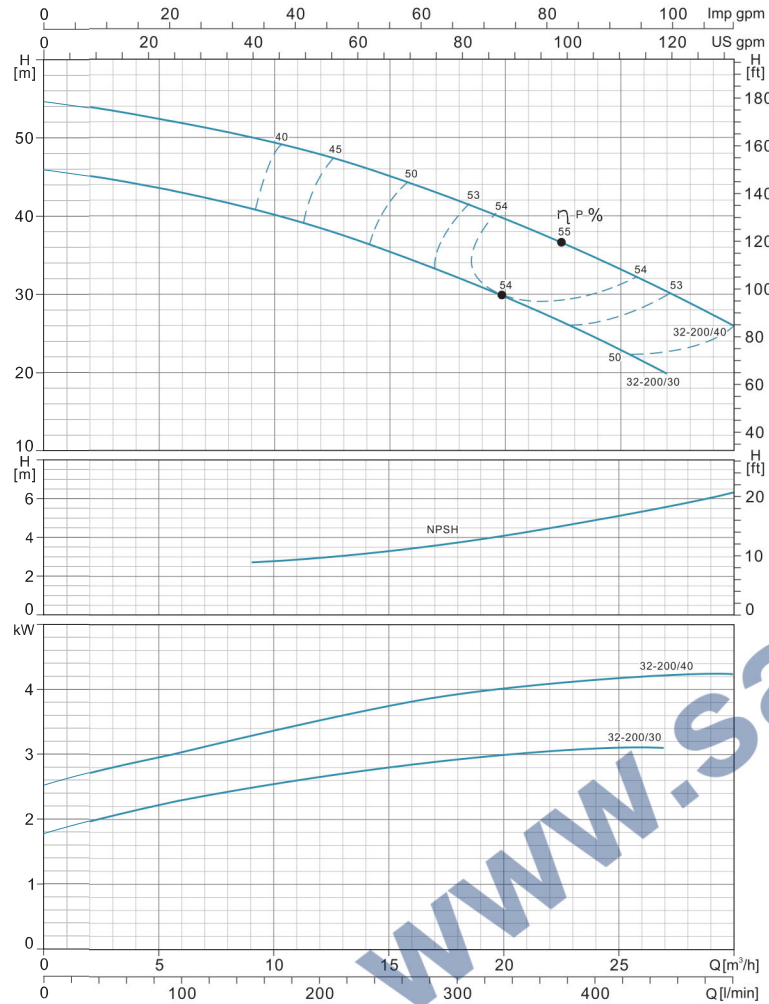


Hydraulic Performance Curves

Hydraulic Performance Curves

XST32-200	~2900rpm	ISO 9906 Annex A
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XST32-250	~2900rpm	ISO 9906 Annex A
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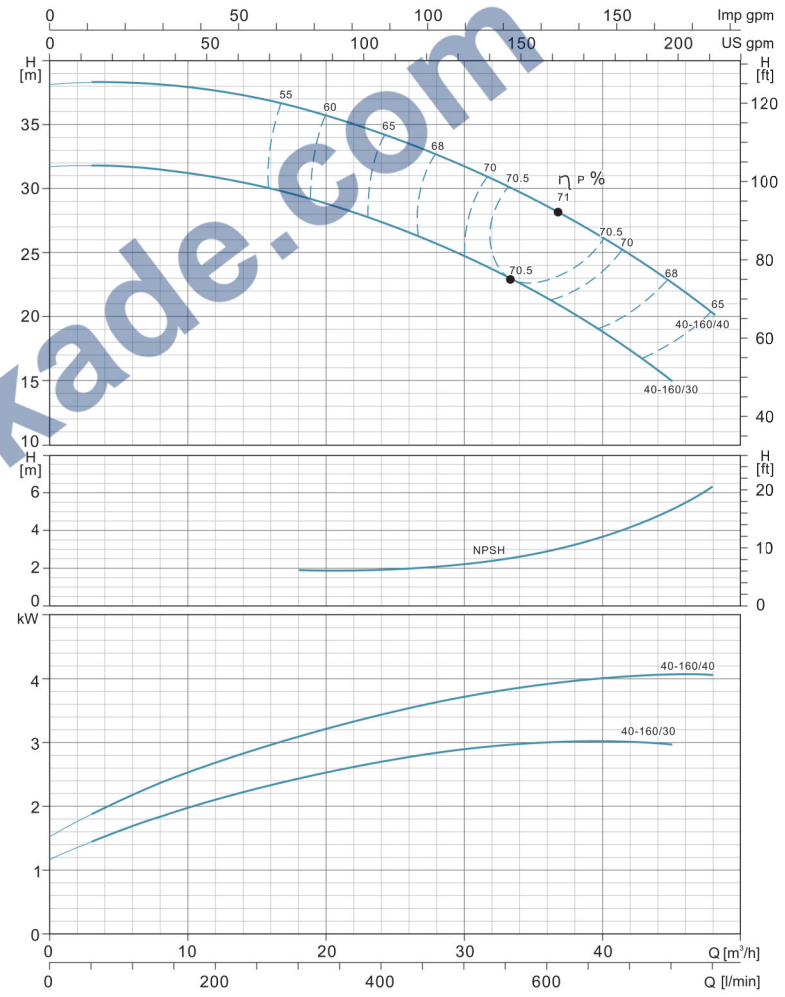
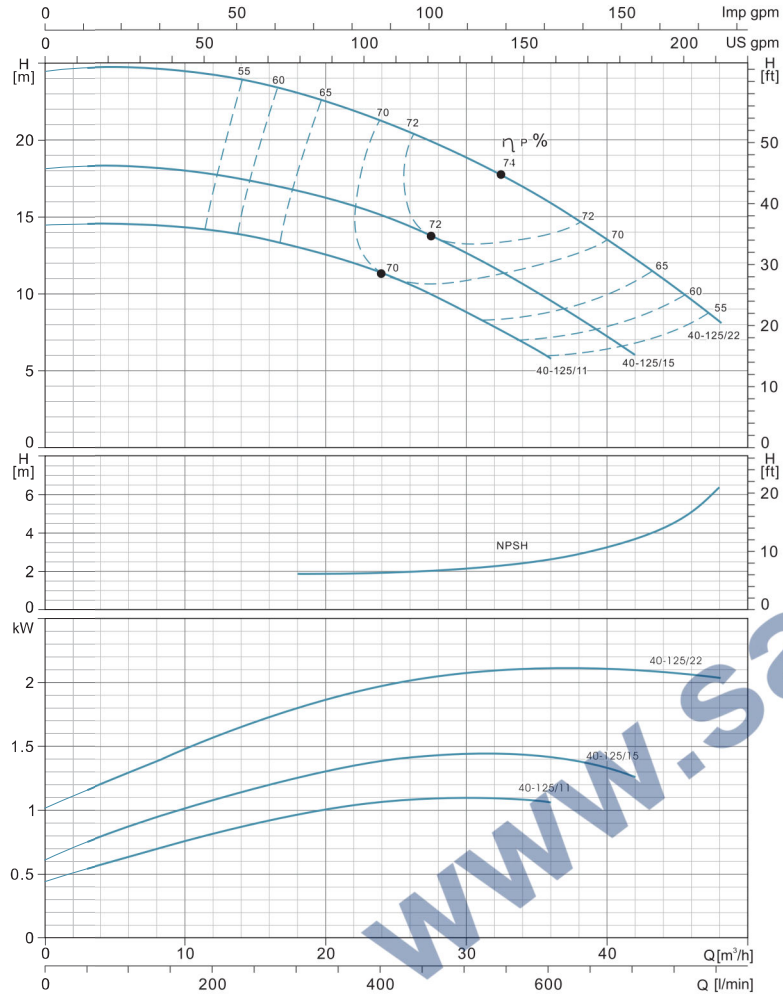


Hydraulic Performance Curves

Hydraulic Performance Curves

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XST40-160	~2900rpm	ISO 9906 Annex A
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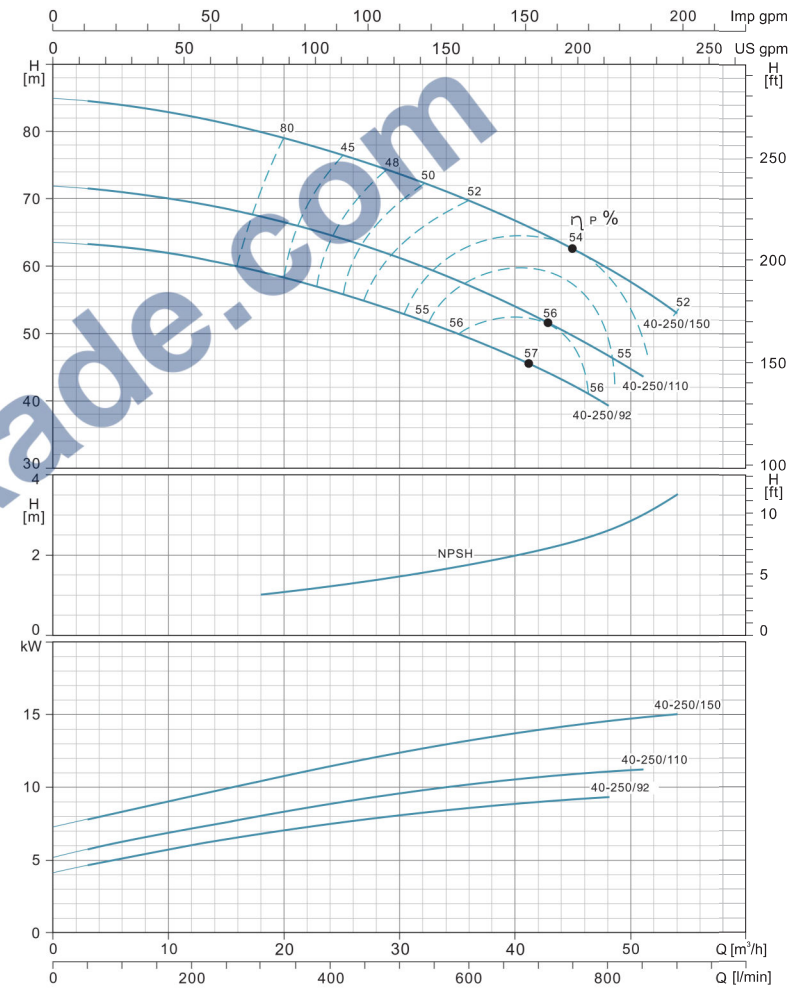
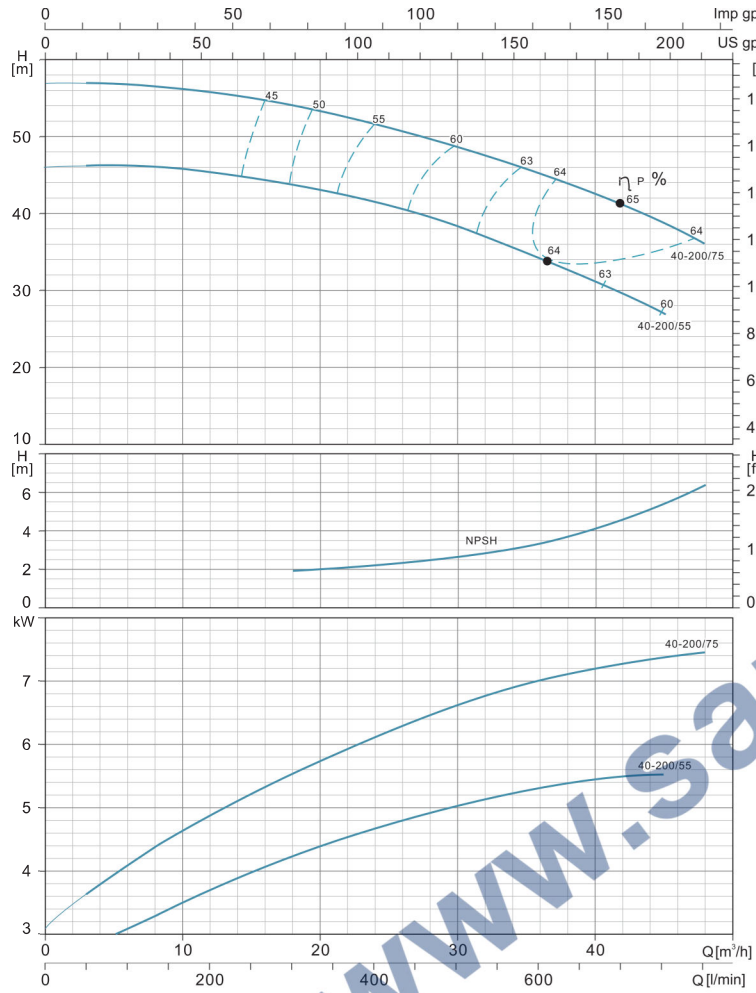


Hydraulic Performance Curves

Hydraulic Performance Curves

XST40-200	~2900rpm	ISO 9906 Annex A
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XST40-250	~2900rpm	ISO 9906 Annex A
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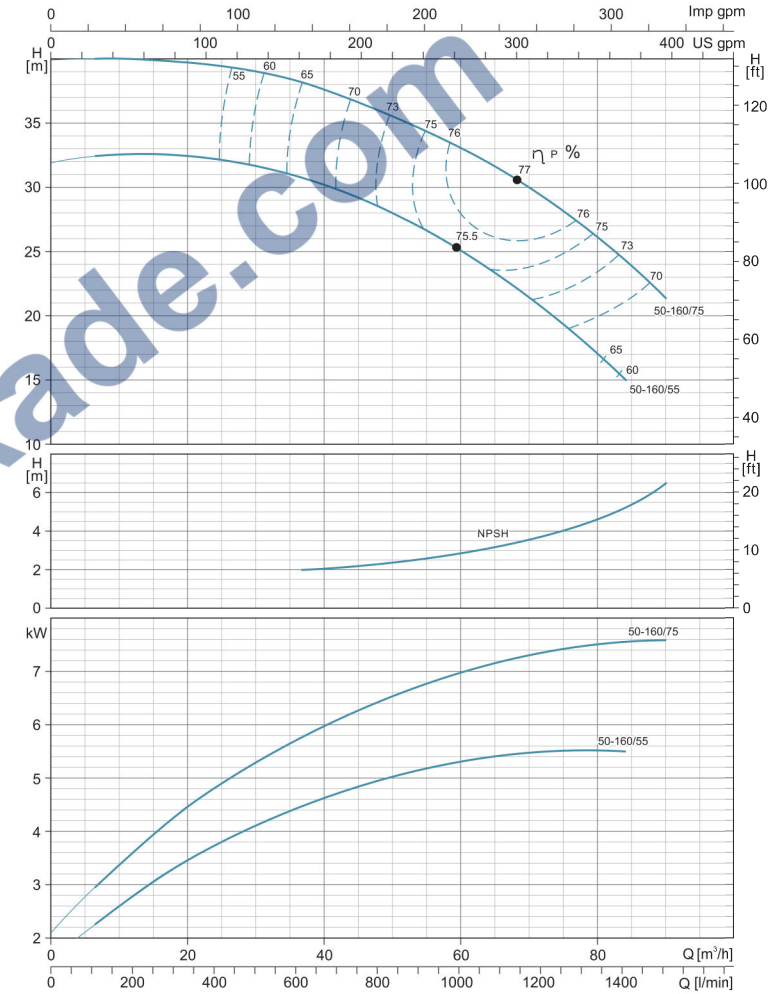
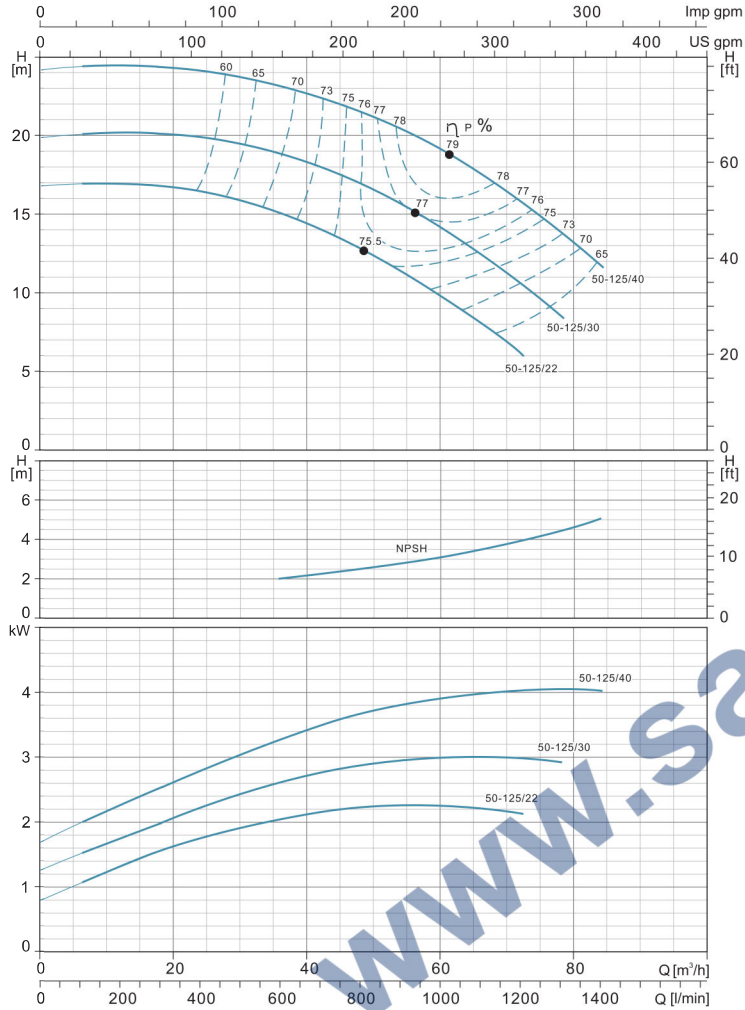


Hydraulic Performance Curves

Hydraulic Performance Curves

XST50-125	~2900rpm	ISO 9906 Annex A
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XST50-160	~2900rpm	ISO 9906 Annex A
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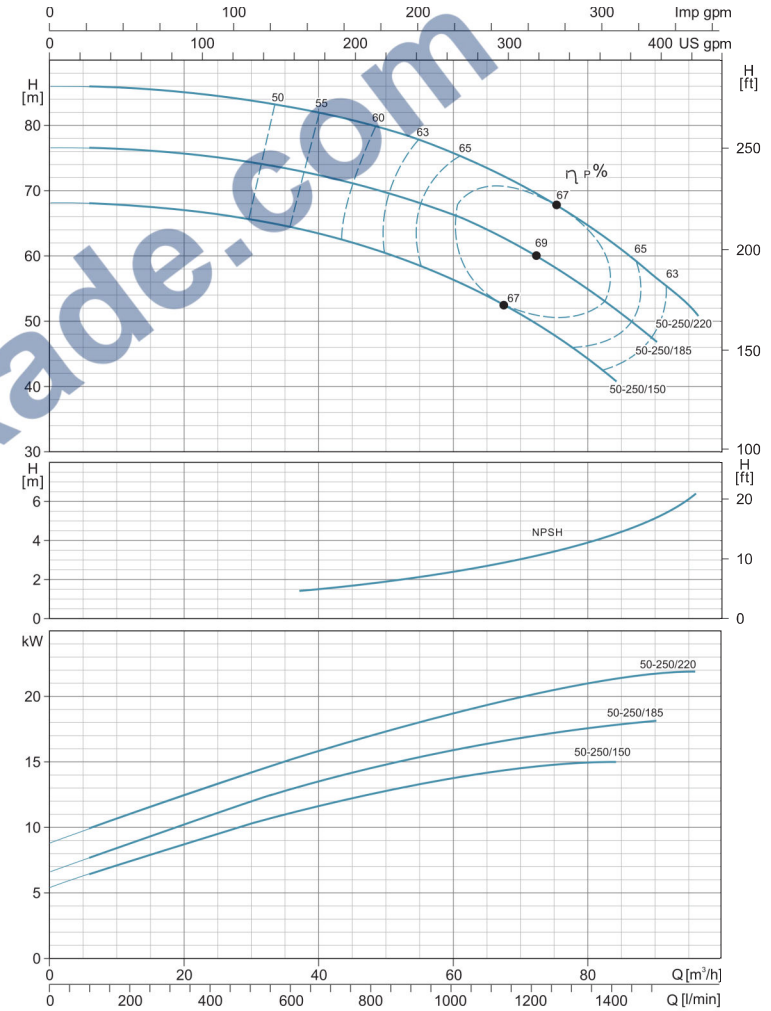
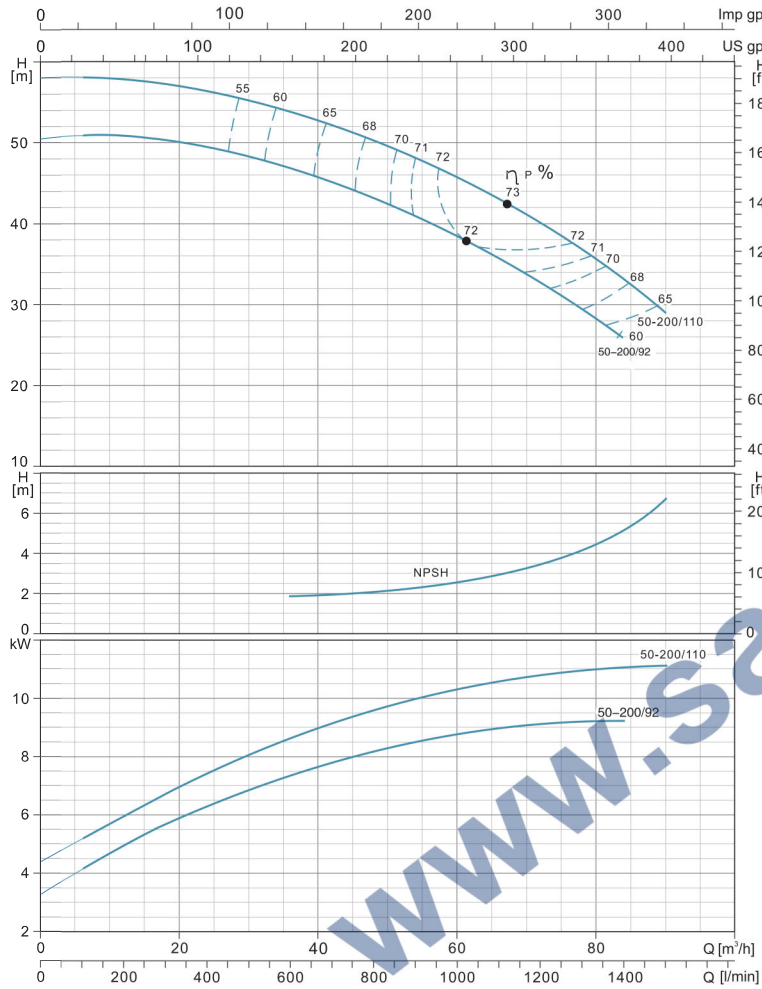


Hydraulic Performance Curves

Hydraulic Performance Curves

XST50-200	~2900rpm	ISO 9906 Annex A
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XST50-250	~2900rpm	ISO 9906 Annex A
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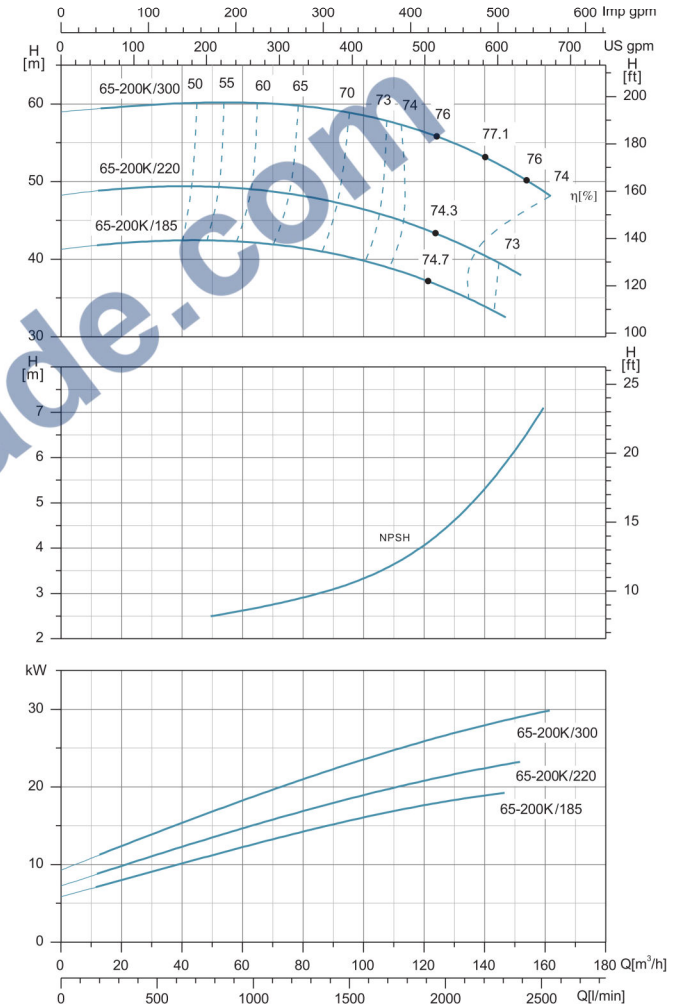
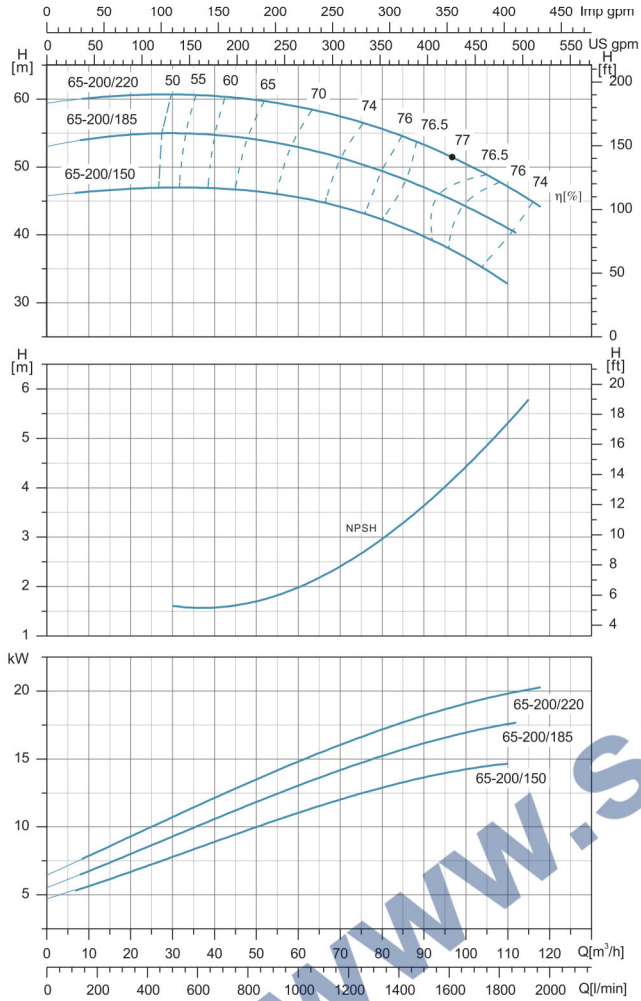


Hydraulic Performance Curves

Hydraulic Performance Curves

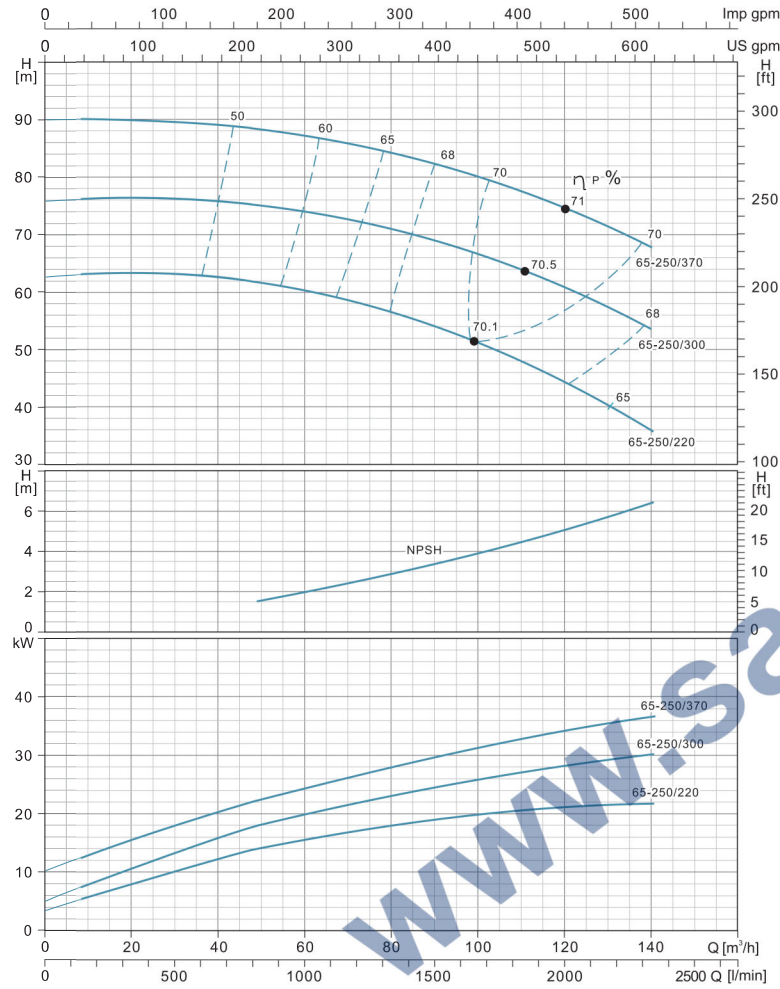
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XST65-200K	~2900rpm	ISO 9906 Annex A
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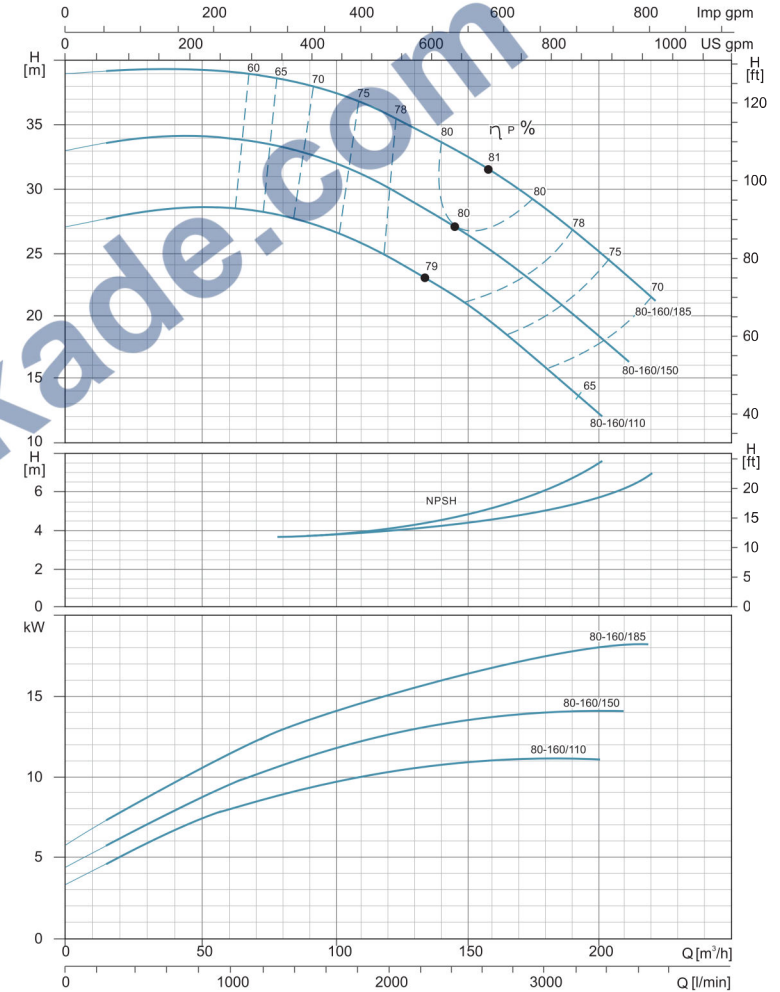
Hydraulic Performance Curves

XST65-250	~2900rpm	ISO 9906 Annex A
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Hydraulic Performance Curves

XST80-160	~2900rpm	ISO 9906 Annex A
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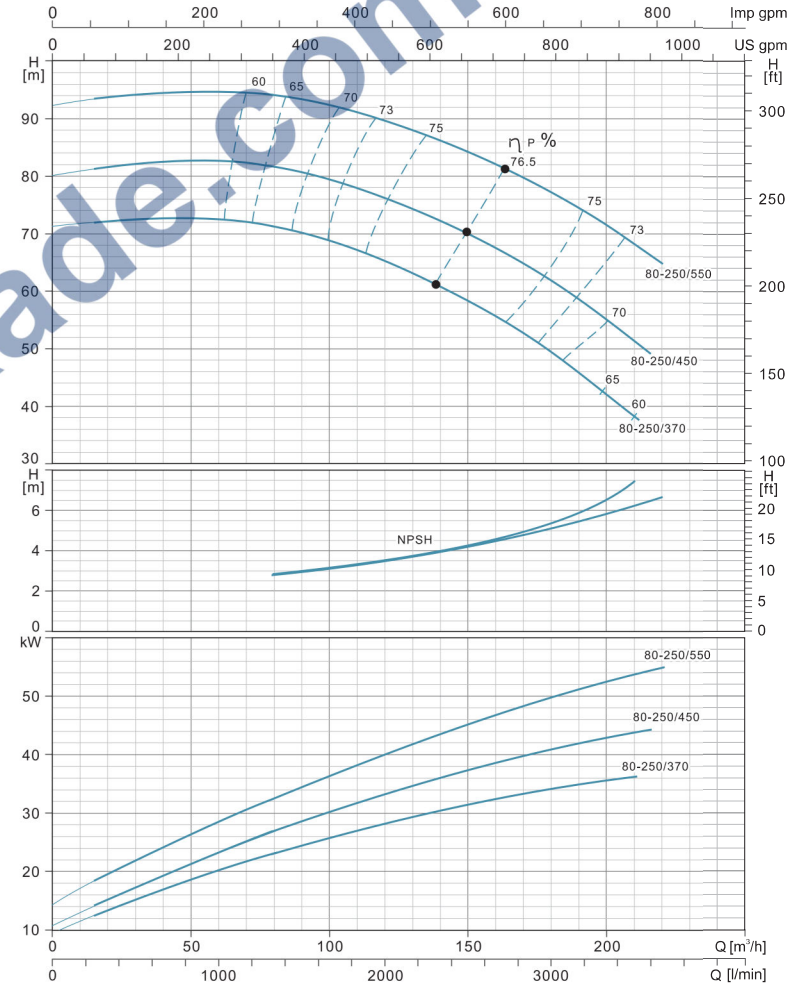
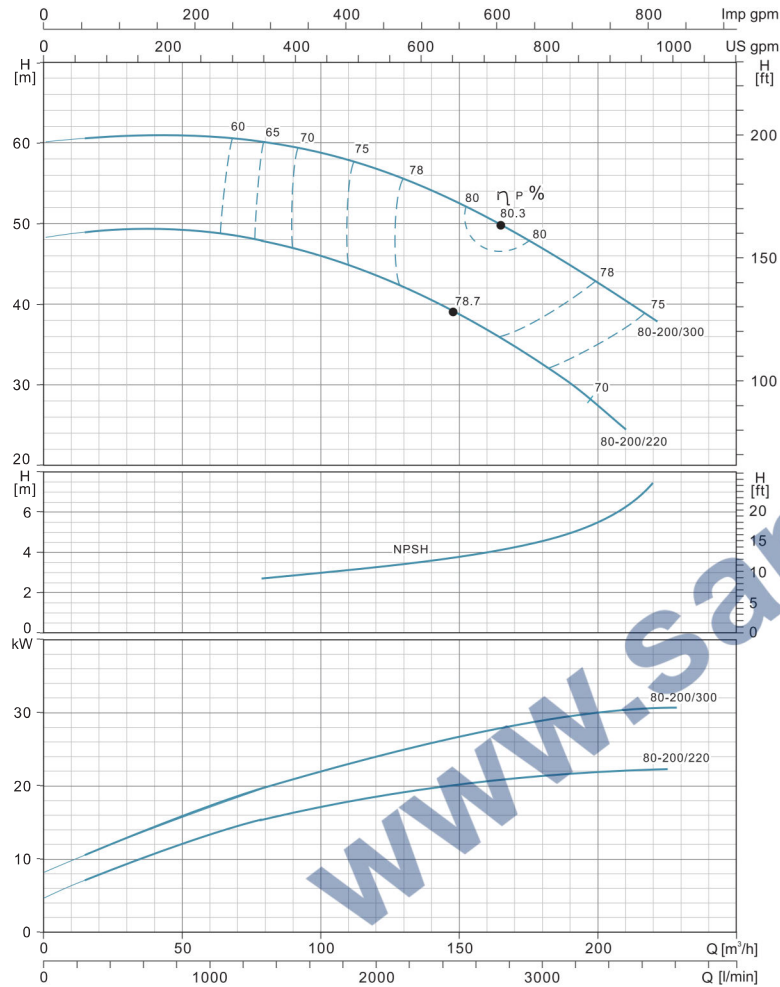


Hydraulic Performance Curves

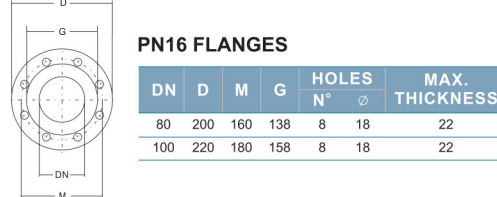
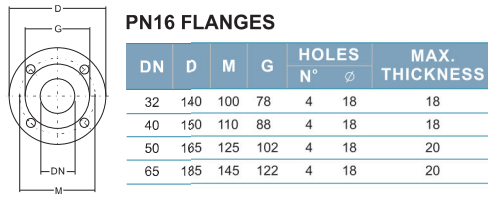
Hydraulic Performance Curves

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XST80-250	~2900rpm	ISO 9906 Annex A
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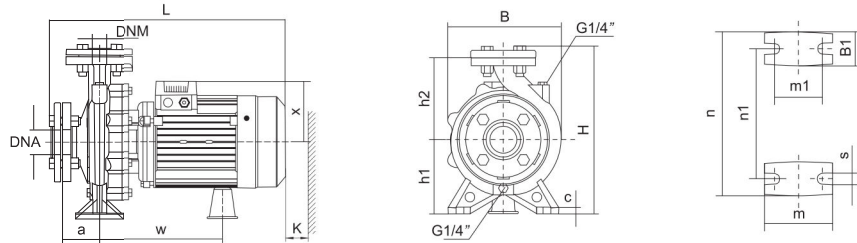


Flange Dimensions



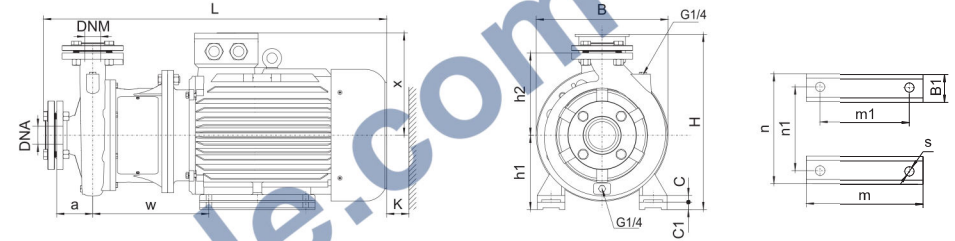
Installation Sketch

up to 7.5 kW included



Installation Sketch

From 7.5 kW



MODEL	DNM	DNA	a	w	x	h2	B1	c	h1	m	m1	n	n1	s	B	H	L	K																			
32-125/7	32	50	80	223	113	140	48	12	112	100	70	190	140	15	192	281	427	85																			
32-125/11				123	160	50	16	132	240										190	14	240	321	430														
32-160/15				231	123	160	50	16	132										240	190	14	240	321	430													
32-160/22				266	141	160	50	16	132										240	190	14	240	321	430													
32-200/30				258	127	180	48	12	160										240	190	15	248	369	490													
32-200/40			155	264	180	198	60	15	160	272	212	308	386	610	640	60	350	440	845	110																	
32-250/55																					210	160	218	282	489	95											
32-250/75																					210	160	218	282	489	95											
40-125/11																					40	65	80	255	127	140	45	112	100	70	240	190	15	249	330	494	105
40-125/15																								127	140	45	112	210									
40-125/22	238	127	168	48	12	132	240	190	15	275	370	553	583																								
40-160/30	100	259	180	180	50	160	264	212	275	370	553	583	60	350	440	845	110																				
40-160/40																		238	127	168				48	12	132	240	190									
40-200/55																		264	141	160			50	16	132	240	190	15	275	370	553	583					
40-200/75																		264	141	160			50	16	132	240	190	15	275	370	553	583					
50-125/22																		50	65	100			262	127	160	50	132	100	70	240	190	15	243	322	518	110	
50-125/30	127	160	50	132	240	190	15	243	322	518	110																										
50-160/55	262	180	180	52	160	264	212	272	370	556	586																										
50-160/75	262	180	180	52	160	264	212	272	370	556	586																										
65-125/40	65	80	100	265	180	180	68	14	160	125	95	280	212	283	372	564	594																				
65-125/55																				265	180	180	68	14	160	125	95	280	212	283	372	564	594				
65-125/75																				265	180	180	68	14	160	125	95	280	212	283	372	564	594				
80-125/11																				80	100	125	315	260	225	65	20	160	210	320	254	14.5	350	420	870	130	
80-160/150																							315	260	225	65	20										160
80-160/185	352	275	250	70	22	180	311	241	355	279	18.5	400	505	1050	120																						
80-200/220	352	275	250	70	22	180	311	241	355	279	18.5	400	505	1050	120																						
80-200/300	362	305	250	70	22	180	311	241	355	279	18.5	400	505	1050	120																						
80-250/370	362	305	250	70	22	180	311	241	355	279	18.5	400	505	1050	120																						
80-250/450	381	330	280	75	28	225	404	311	435	356	18.5	450	555	1098	120																						
80-250/550	433	365	280	80	30	280	450	349	490	406	24	550	646	1192	120																						

MODEL	DNM	DNA	a	w	x	h2	B1	C	C1	h1	m	m1	n	n1	s	B	H	L	K															
40-250/92	40	65	100	310	260	225	65	20	20	180	260	210	320	254	14.5	350	440	845	110															
40-250/110																				260	210	320	254	350	440	845	120							
40-250/150																				304	254	355	279	440	895	925	110							
50-200/92	50	65	100	310	260	200	65	20	20	160	260	210	320	254	14.5	350	420	845	120															
50-200/110																				225	70	25	-	311	241	355	279	455	925	110				
50-250/150																				323	275	70	25	-	311	241	355	279	455	925	110			
50-250/220																				323	275	70	25	-	311	241	355	279	455	925	110			
65-160/92																				65	80	100	310	260	200	65	20	20	160	260	210	320	254	14.5
65-160/110				225	70	22	-	311	241	355	279	455	925	110																				
65-160/150				323	275	70	22	-	311	241	355	279	455	925	110																			
65-200/150				323	275	70	22	-	311	241	355	279	455	925	110																			
65-200/185				323	275	70	22	-	311	241	355	279	455	925	110																			
65-200/220				323	275	70	22	-	311	241	355	279	455	925	110																			
65-200K/185	337	260	70	22	20	180	304	254	320	254	355	455	950	1020	1026	120																		
65-200K/220	350	275	70	22	20	180	304	254	320	254	355	455	950	1020	1026	120																		
65-200K/300	362	305	70	22	20	180	304	254	320	254	355	455	950	1020	1026	120																		
65-250/220	353	275	70	22	20	180	304	254	320	254	355	455	950	1020	1026	120																		
65-250/300	365	305	250	75	28	200	369	305	395	318	18.5	400	505	1026	120																			
65-250/370	80	100	125	315	260	225	65	20	20	160	260	210	320	254	14.5	350	420	870	130															
80-160/110																				225	70	22	-	311	241	355	279	455	925	110				
80-160/150																				315	260	225	65	20	160	210	320	254	14.5	350	420	870	130	
80-160/185																				352	275	250	70	22	180	311	241	355	279	18.5	400	505	1050	120
80-200/220																				352	275	250	70	22	180	311	241	355	279	18.5	400	505	1050	120
80-200/300				365	305	250	70	22	180	311	241	355	279	18.5	400	505	1050	120																
80-250/370				365	305	250	70	22	180	311	241	355	279	18.5	400	505	1050	120																
80-250/450				381	330	280	75	28	225	404	311	435	356	18.5	450	555	1098	120																
80-250/550				433	365	280	80	30	280	450	349	490	406	24	550	646	1192	120																