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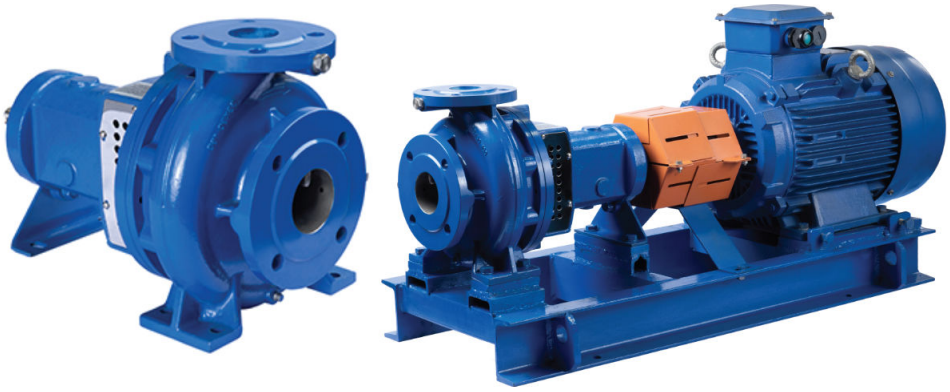
Let's Solve Water

Technical Specification

90036901_1.0



Series 1710

50Hz

GOULDS
WATER TECHNOLOGY
a xylem brand

Table of Contents

1 Product Description

1.1 General description

1710 Series is foot mounted, single stage and end suction pump with back pull-out design and is in accordance with the international standard ISO 2858.

It comes in frame mounted series applicable for flexible coupling (optional Flexible spacer coupling) and Stub shaft coupling. Bare shaft option to be coupled to any standard IEC motor to substitute an existing ISO 2858 pump.

1.2 Pump application

Designed for non-combustible, low viscosity liquids, free of solids, abrasive materials, and fibers. Different chemical compositions are capable of being pumped by using different construction and seal options.

This highly efficient and flexible design makes the 1710 Series pump ideal for a wide range of pumping applications, including non-listed fire pump, HVAC, Industrial secondary process, Water transfer and more.

Operating conditions:

- Flowrate: max 2100 m³/h
- Pump head: max 160 m
- Fluid temp: -15°C to 120°C
- Max rating: 355 kW

For other applications, contact your local sales and service representative.

Improper use

WARNING:

Improper use of the pump may create dangerous conditions and cause personal injury and damage to property.

An improper use of the product leads to the loss of the warranty.

Examples of improper use:

- Liquids not compatible with the pump construction materials
- Hazardous liquids (such as toxic, explosive, flammable, or corrosive liquids)
- Potable liquids other than water (for example, wine or milk)
- Liquids that are generated by gases that are not classified as IIB explosion group as listed in Annex B of IEC 60079-20-1:2010.

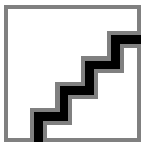
Examples of improper installation:

- Hazardous locations (such as explosive, or corrosive atmospheres).
- Location where the air temperature is very high or there is poor ventilation.
- Outdoor installations where there is no protection against rain or freezing temperatures.
- Locations where the water temperature is very high.

DANGER:

Do not use this pump to handle flammable and/or explosive liquids.

Cut hazard. During operation, do not put your hands in the lower part of the pump.



Other:

Do NOT install this pump in swimming pools or marine areas. Failure to follow these instructions could result in serious personal injury, death and/or property damage.

NOTICE:

- Do not use this pump to handle liquids containing abrasive, solid, or fibrous substances.
- Do not use the pump for flow rates beyond the specified flow rates on the data plate.

Special applications

Contact the local sales and service representative in the following cases:

- If the density and/or viscosity value of the pumped liquid exceeds the value of water, such as water with glycol; as it may require a more powerful motor.
- If the pumped liquid is chemically treated (for example softened, deionized, demineralized etc.).
- If the pump will be installed horizontally, a special version and mounting brackets must be requested.
- Any situation that is different from the ones that is described and relate to the nature of the liquid.

Contact the local sales and service representative.

1.3 Pump denomination and construction features

Identification Code

1	2	3 4 5	6	7	8	9	10	11	12	13	14	15	16	17	18
1710	F	125 - 100 - 200	G	45kW	2P	/A	3	F	A	A	A	C	T	4	N

1. Pump Type (4 digits)
   1710= Series name
2. Coupling (1 digit)
   [F] = Flexible coupling frame mounted
   [C] = Flexible spacer coupling frame mounted
   [S] = Stub Shaft Coupling
   [ ] = Bare Shaft
3. Suction Size in mm (2~3 digits)
4. Discharge Size in mm (2~3 digits)
5. Nominal Impeller Size in mm (3 digits)
6. Lubrication (1 digit)
   [G]* = Greased Lubricated
   [O]* = Oil Lubricated
   [ ]** = NA
7. Motor rating kW (3~6 digits)
8. Number of Motor Poles (2 digits)
   2P
   4P
   6P*
9. Motor brand (1 digit)
   [A] = Siemens
   [B] = Other
   [C]*** = NA
10. Motor efficiency class (1 digit)
    [3] = IE3
    [4] = IE4
    [0]*** = NA
11. Motor Insulation class (1 digit)
    [F] = F Class
    [H] = H Class
    [X]*** = NA
12. Motor winding protection code (1 digit)
    [A] = No
    [B] = PTC
    [C] = PT100
    [X]*** = NA
13. Motor Anticondensation heater (1 digit)
    [A] = No
    [B] = Yes
    [X]*** = NA
14. Motor Separately Driver Fan (1 digit)
    [A] = No
    [B] = Yes
    [X]*** = NA
15. Casing Material (1 digit)
    [C] = Cast Iron
    [D] = Ductile Iron
    [N] = SS316
    [T] = SS304
    [R] = Super Duplex
16. Impeller Material (1 digit)
    [B] = Bronze
    [N] = SS316
    [T] = SS304
    [R] = Super Duplex
17. Seal material (1 digit)
    [4] = Carbon/Ceramic/FPM
    [Z] = SiC/SiC/FPM
    [P]* = Gland Packing
18. Working Pressure (1 digit)
    [N] = PN16
    [H] = PN25

* Available for Coupling option [F] & [C]

** Available for Coupling option [S]

***Available for Coupling option [ ]

COMPONENT	STANDARD OPTION	OTHER AVAILABLE OPTION			
Casing	Cast Iron	Ductile Iron	304 SS	316 SS	Super Duplex
Shaft (seal on shaft)	420 SS	Duplex SS			
Shaft (seal on sleeve)*	420 SS	4135			
Impeller	304 SS	Bronze C87600	316 SS	Super Duplex	
Casing Wear Rings	Bronze C90300	304 SS	316 SS	Super Duplex	
Mechanical Seal	Carbon/ Ceramic/FPM	SiC/SiC/FPM			
Shaft Sleeves*	304 SS	316 SS		Duplex SS	
Shaft sleeve nuts*	304 SS	316 SS		Duplex SS	
Packing*	PTFE	—			
Lantern ring*	304 SS	—			
Seal flush lines*	304 SS	316 SS			

*Note: Available for Gland Packing (gland packing is an optional against mechanical seal).

Large choice of casing and impeller material combinations, both PN16 and PN25, wide range of shaft sealing solutions to solve different needs in the industrial market.

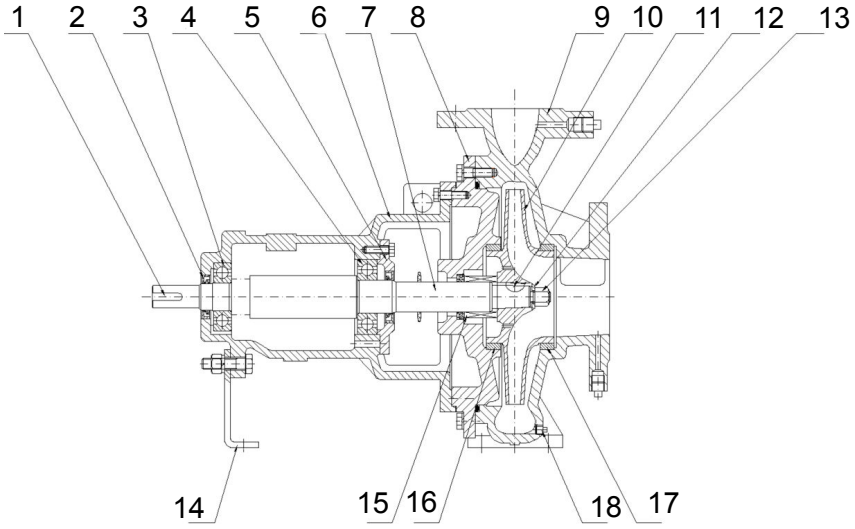
Flanges

The flanges are drilled to EN1092/ISO7005, PN16. To enhance versatility, we can deliver PN25 drilled flanges and ASME B16.5 compatible drilled flanges, Class 150 and 300.

Bearing Housing and Bearings

1710 Standard features include a removable bearing cap on the non-drive end and lip seals fitted to both drive and non-drive ends in order to minimize the ingress of foreign liquids and materials. Bearings are normal bearings with pre-packed grease. Alternative bearing manufacturers and lubrication methods are available upon request.

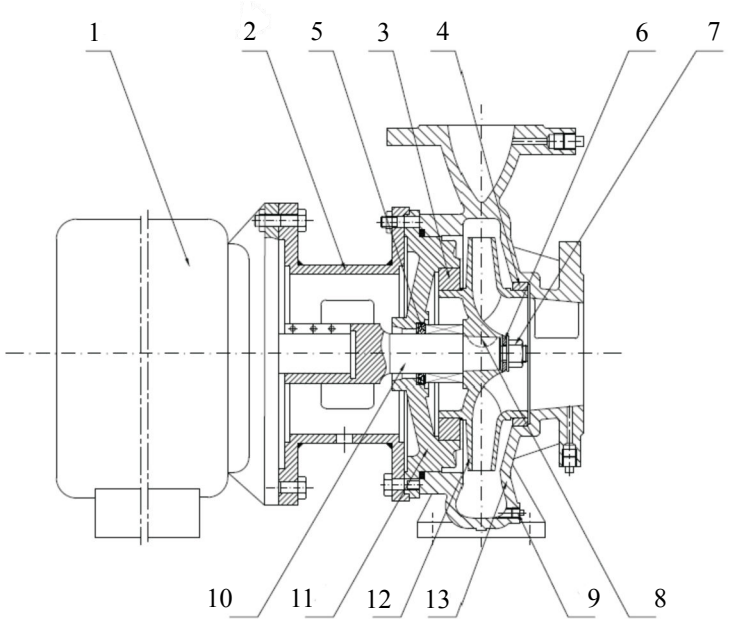
1710 - Pump End Only Construction



1. Coupling Key	10. Impeller
2. Oil Seal-Drive End	11. Half Round Key
3. Bearing-Drive End	12. Impeller Washer
4. Bearing-Impeller End	13. Impeller Nut
5. Bearing Cover	14. Foot Support
6. Bearing Housing	15. Mechanical Seal
7. Shaft	16. Rear Wear Ring*
8. Back Plate	17. Front Wear Ring
9. Pump Casing	18. Drain Plug

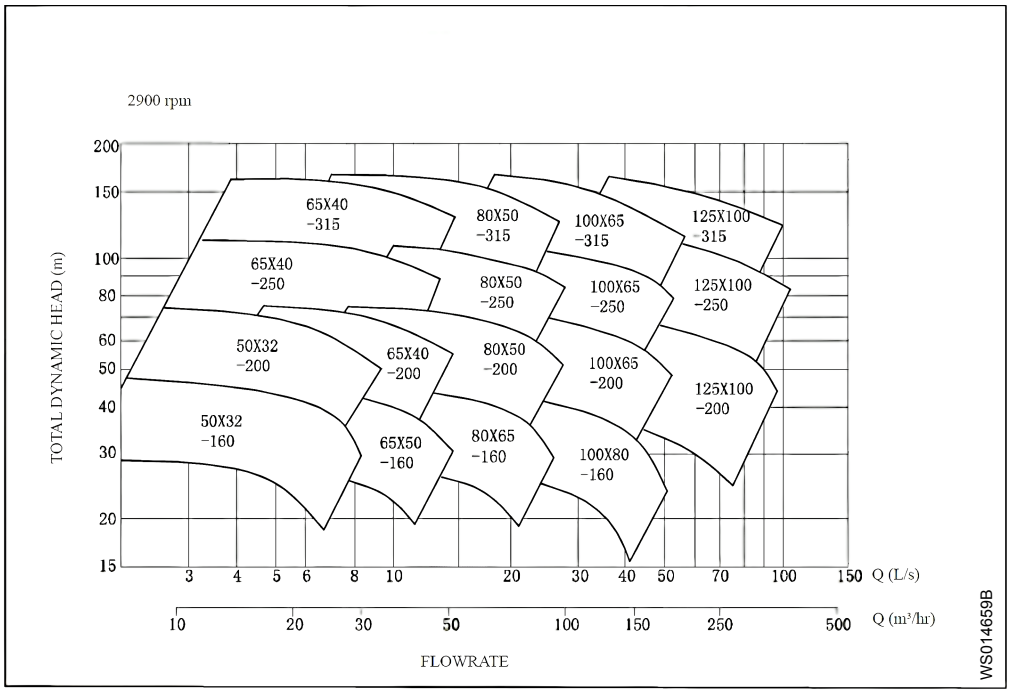
*Note: Group 4, 1710 has no rear wear ring.

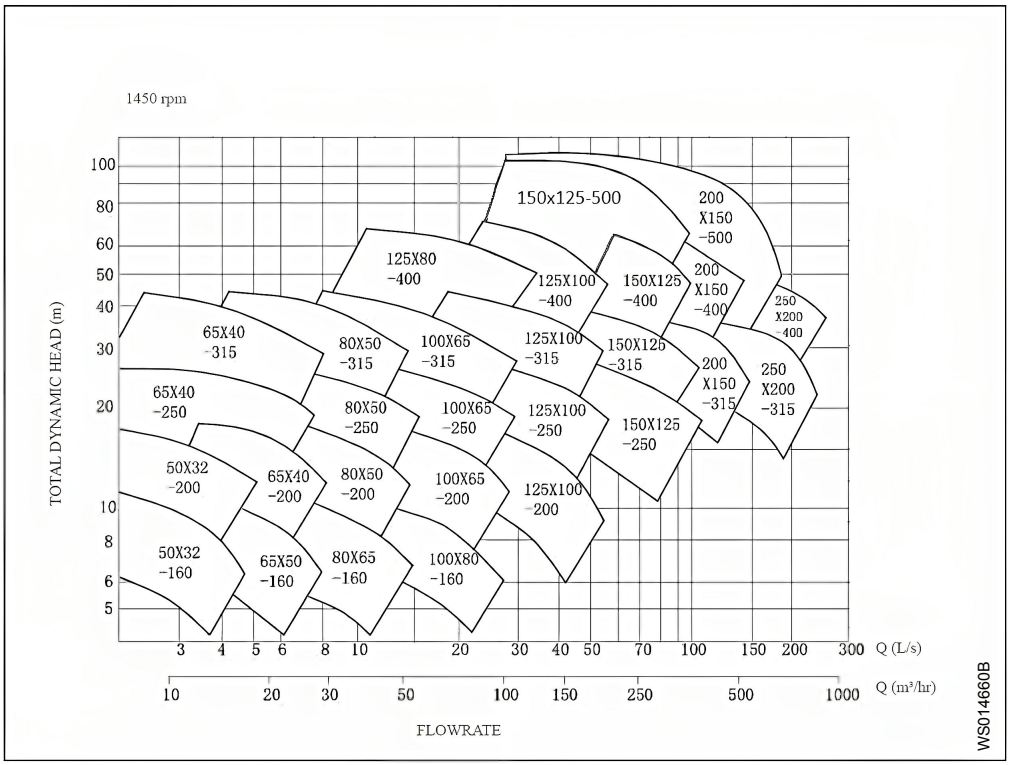
Stub Shaft Construction



1. Motor	8. Impeller Key
2. Motor Adaptor	9. Drain Plug
3. Rear Wear Ring	10. Stub Shaft
4. Front Wear Ring	11. Back Plate
5. Mechanical Seal	12. Impeller
6. Impeller Washer	13. Pump Casing
7. Impeller Nut	

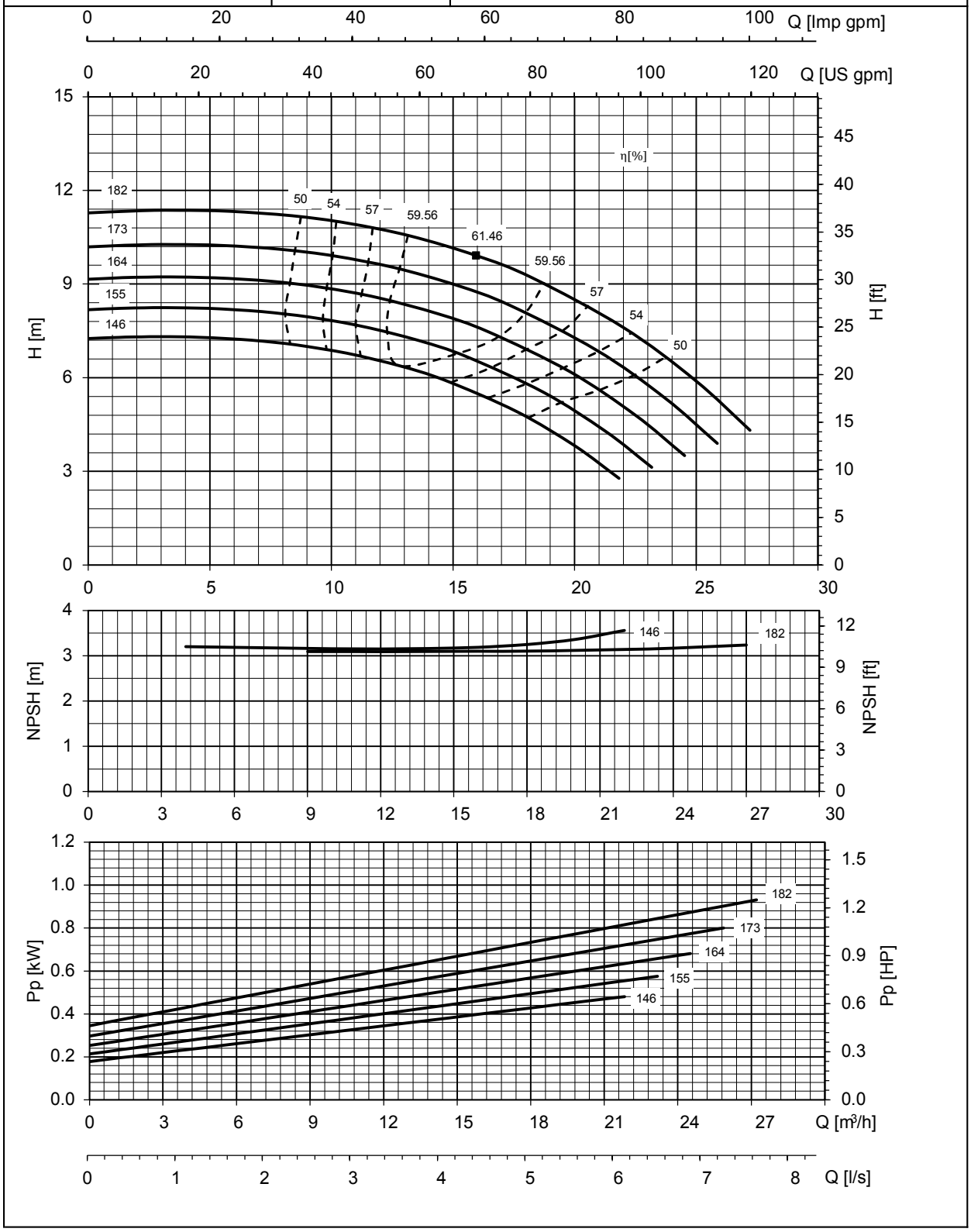
2 1710 End suction centrifugal pump - 50Hz performance range



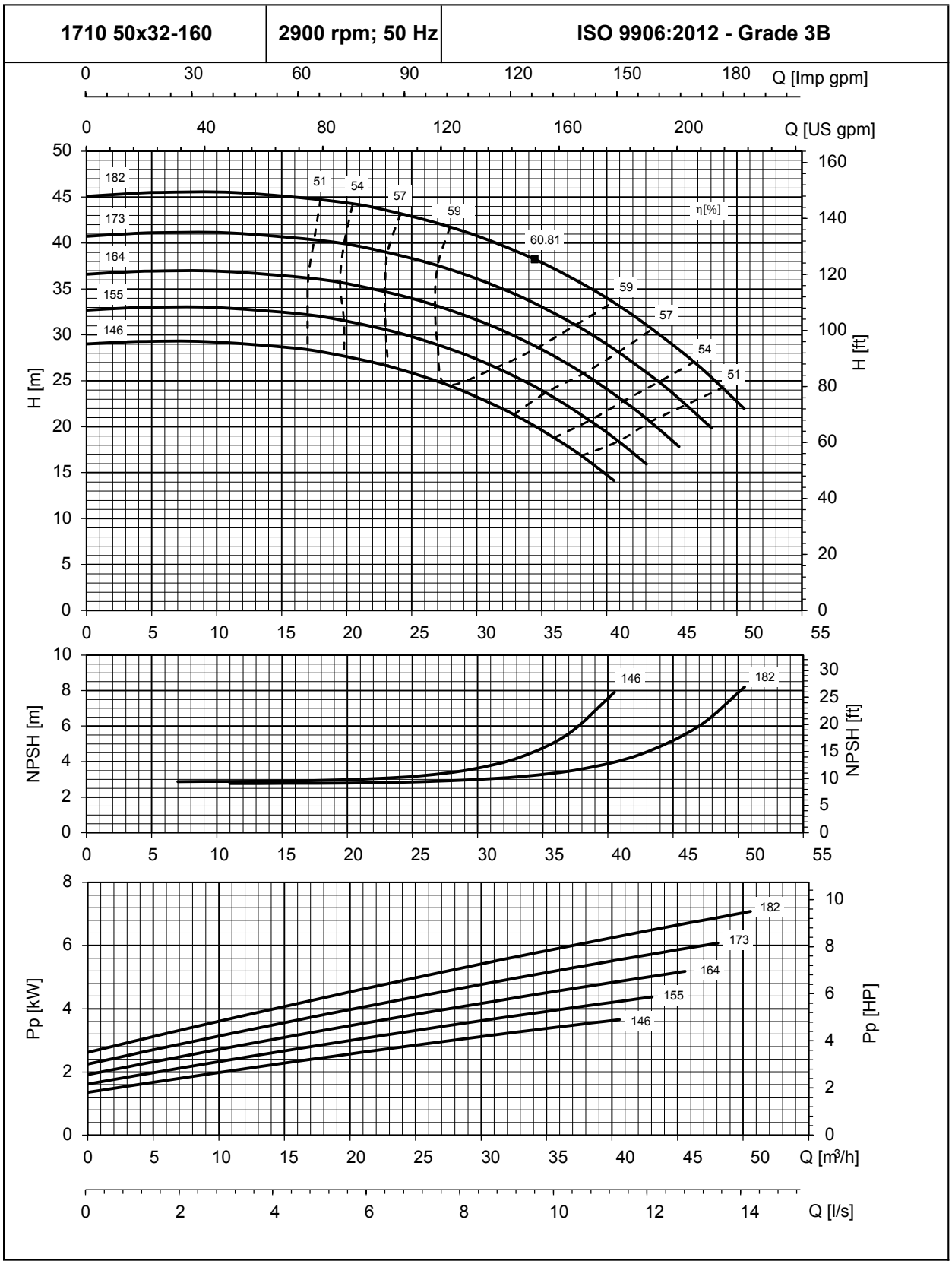


1710 End suction centrifugal pump performance curves

1710 50x32-160	1450 rpm; 50 Hz	ISO 9906:2012 - Grade 3B



The NPSH values are laboratory values, it is suggested to increase the values by 0.5 m for practical use
These performance curves are valid for liquids with density = 0.1 kg/dm^3 and kinematic viscosity = 1 mm^2/sec.



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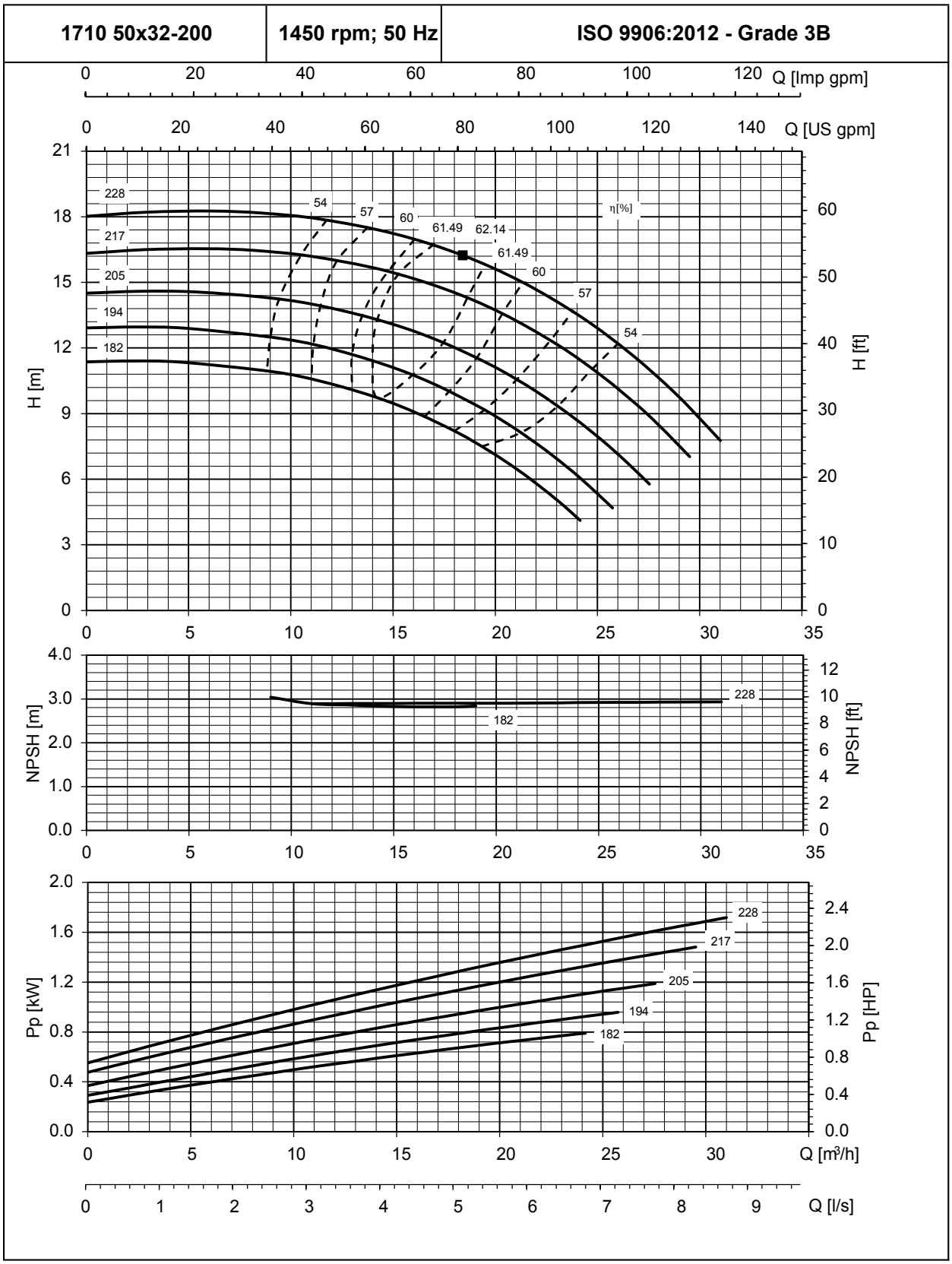

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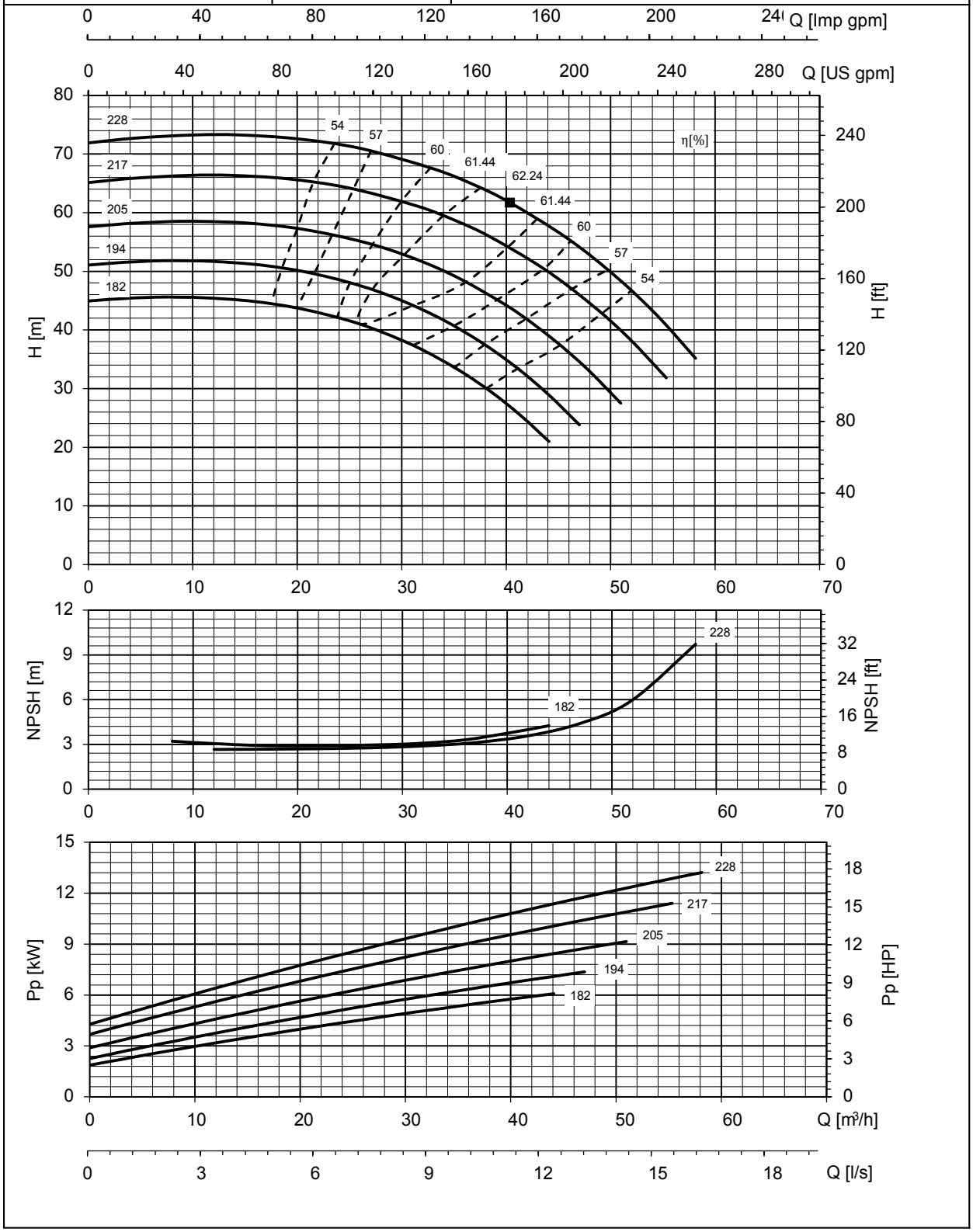
1710 50x32-200	2900 rpm; 50 Hz	ISO 9906:2012 - Grade 3B



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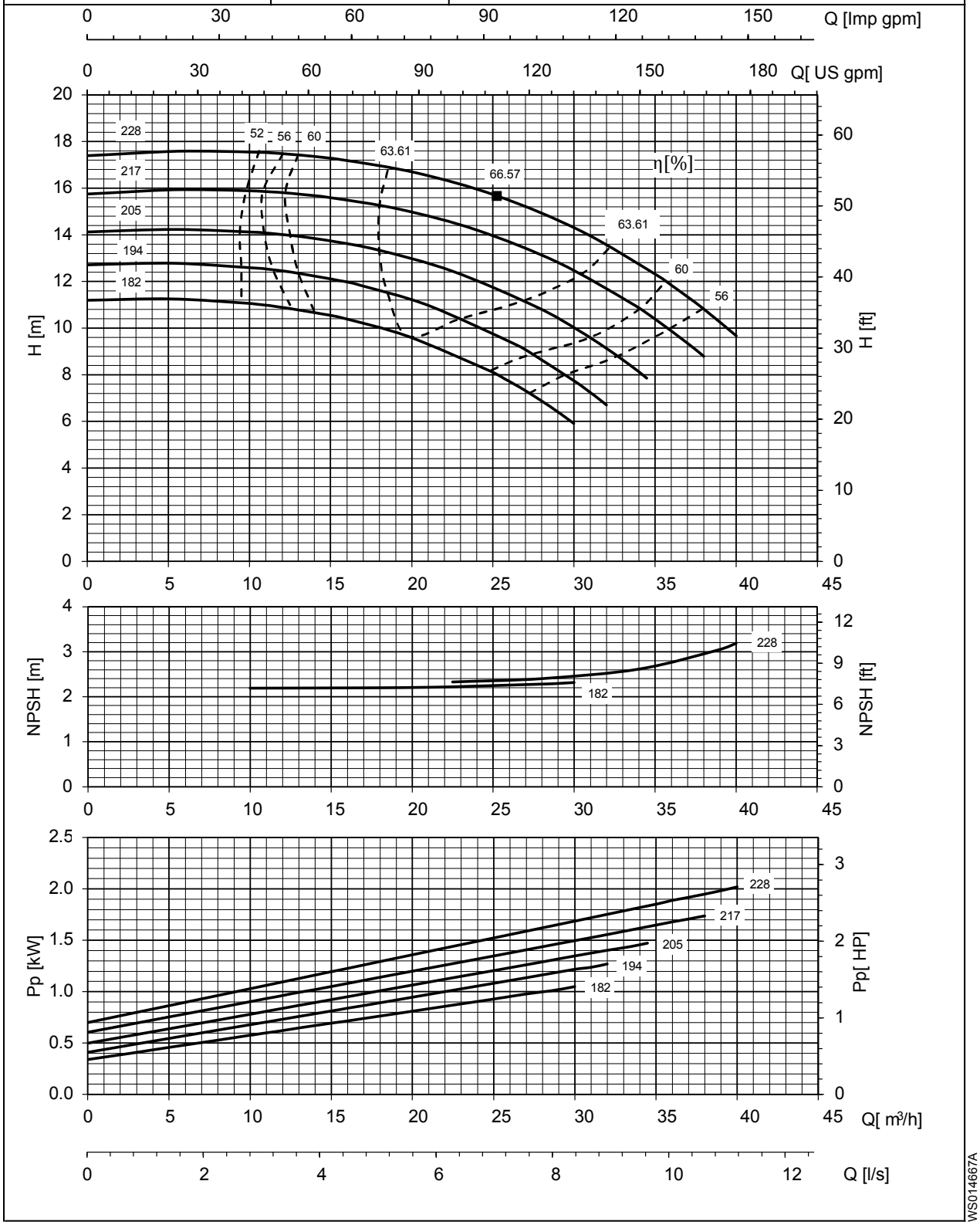
1710 65x40-200	1450 rpm; 50 Hz	ISO 9906:2012 - Grade 3B



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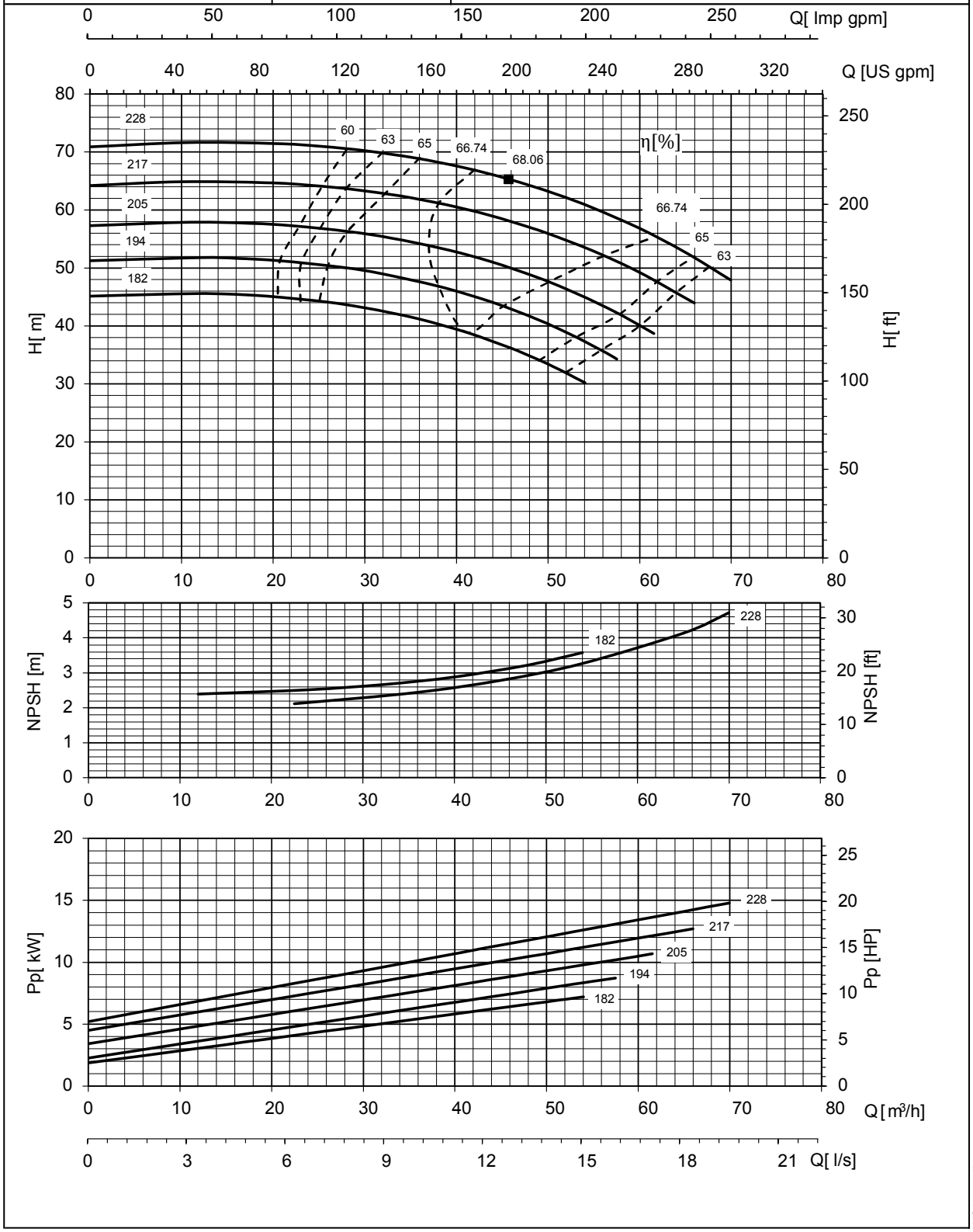

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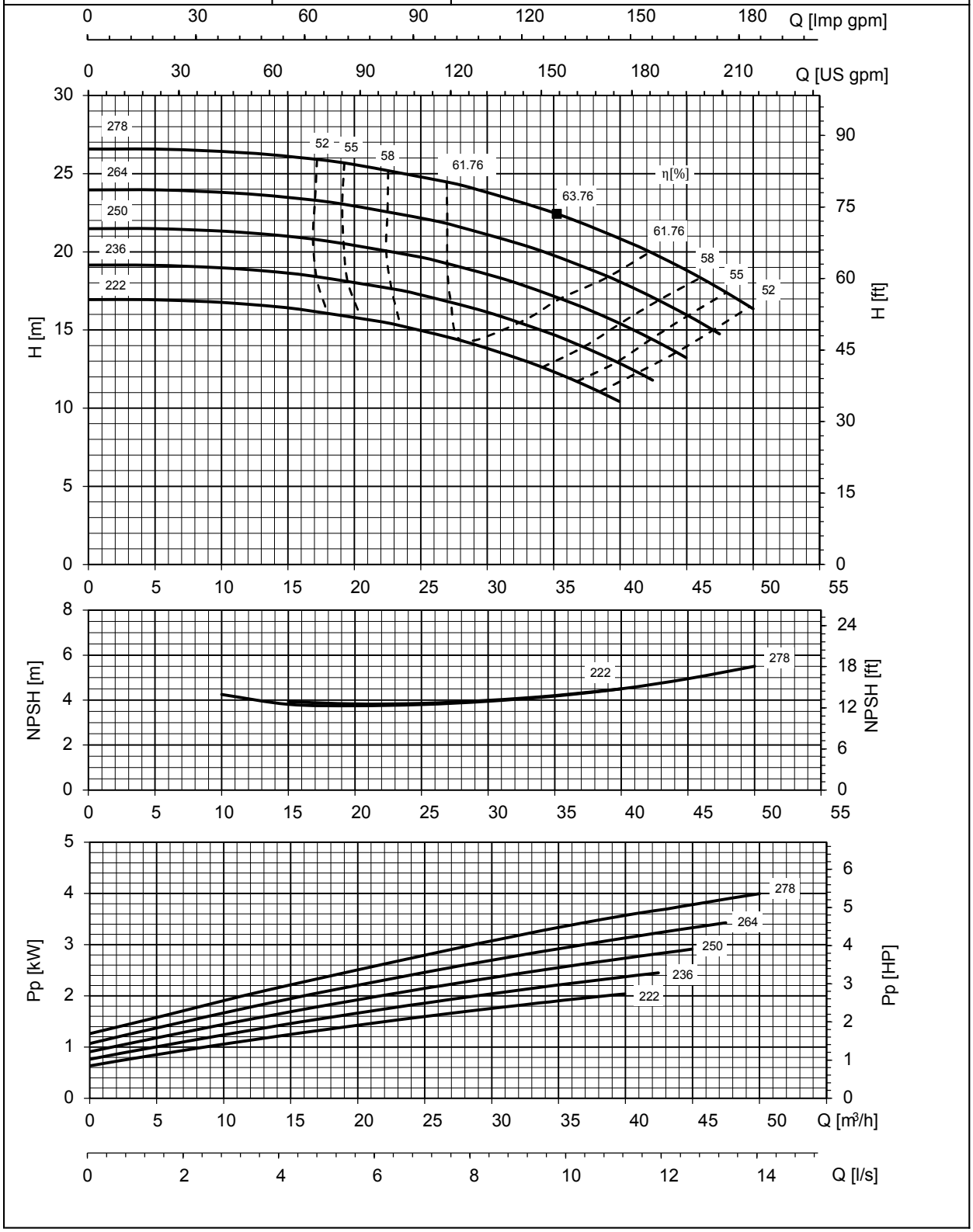
1710 65x40-250	1450 rpm; 50 Hz	ISO 9906:2012 - Grade 3B



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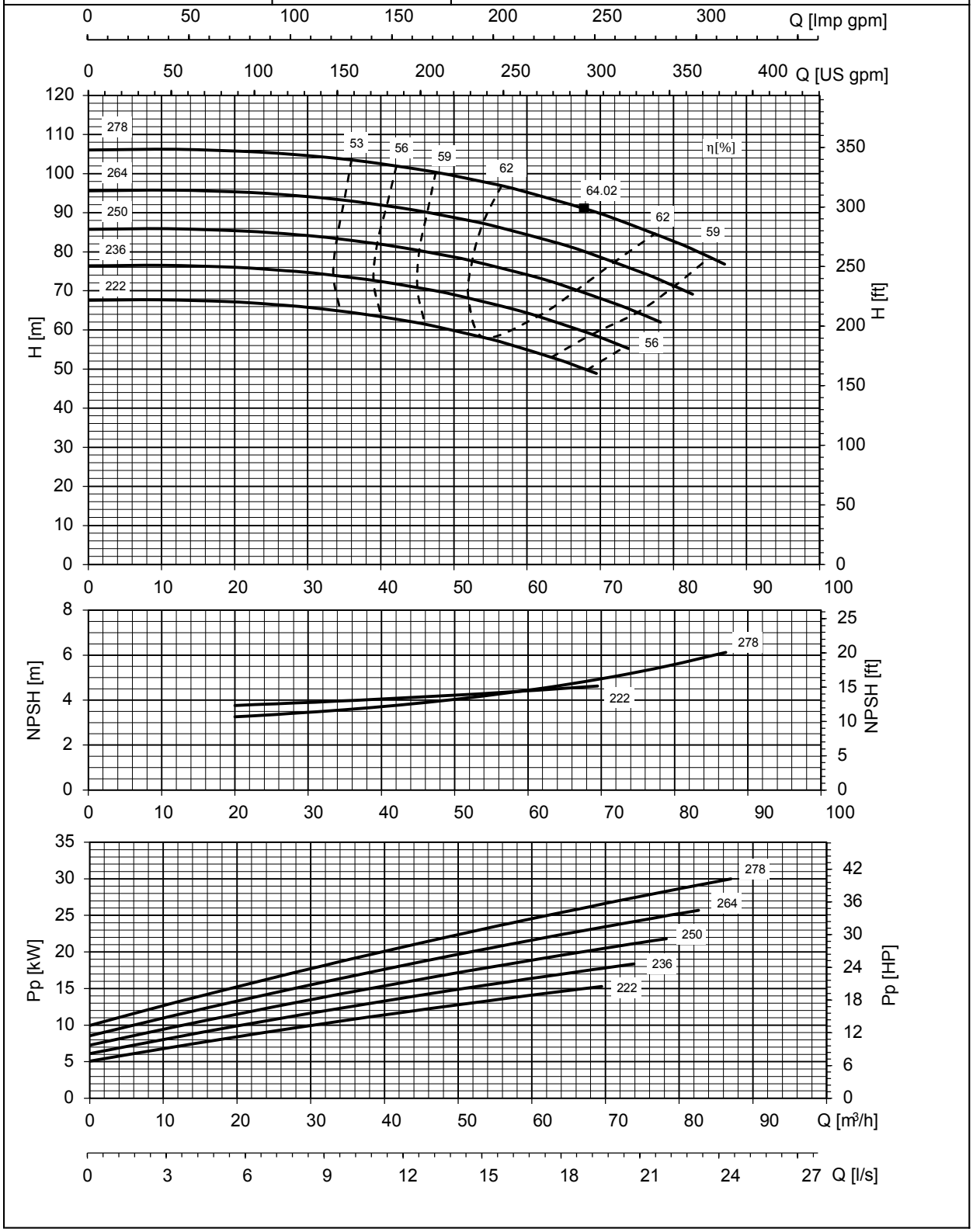

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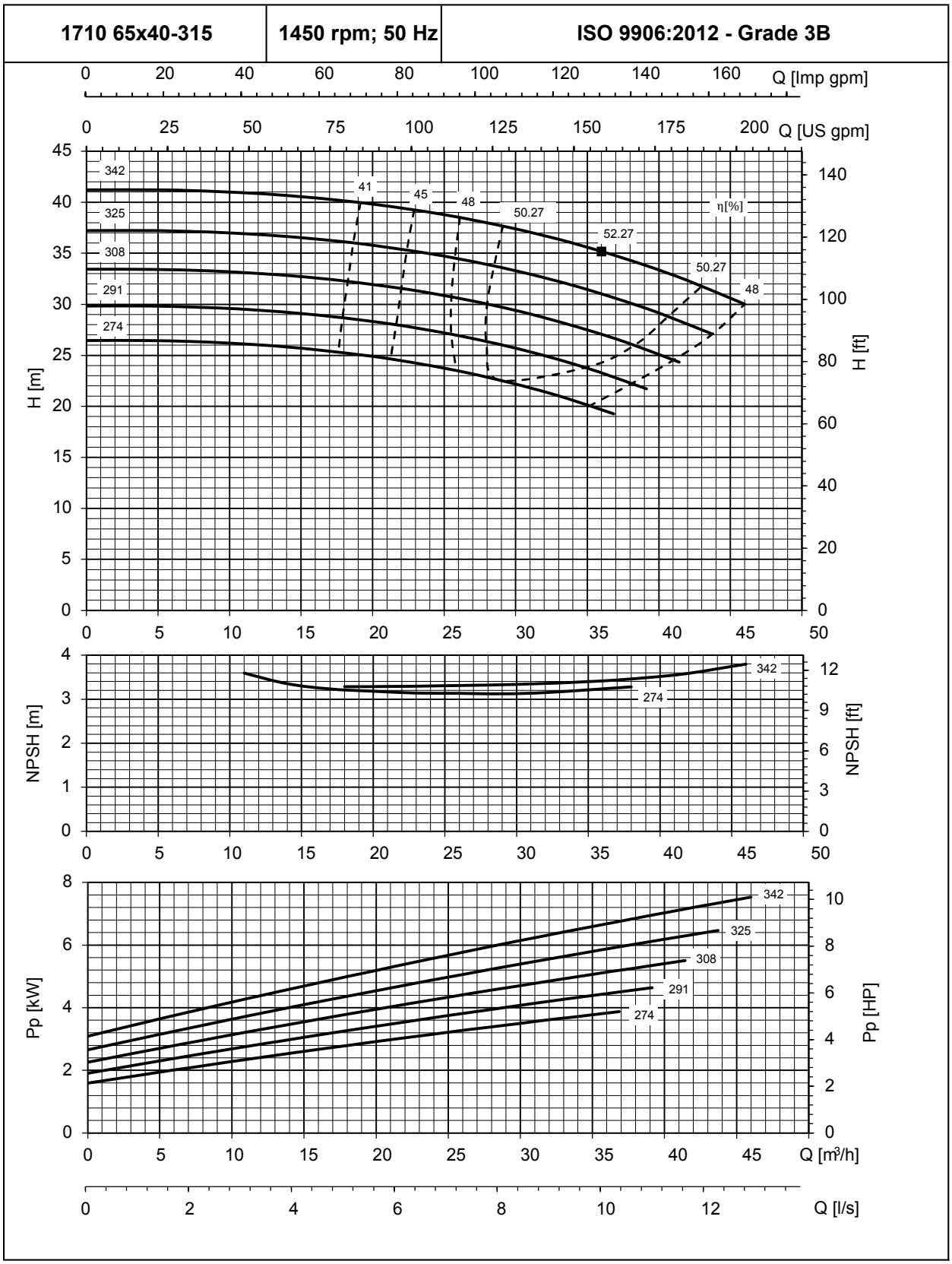

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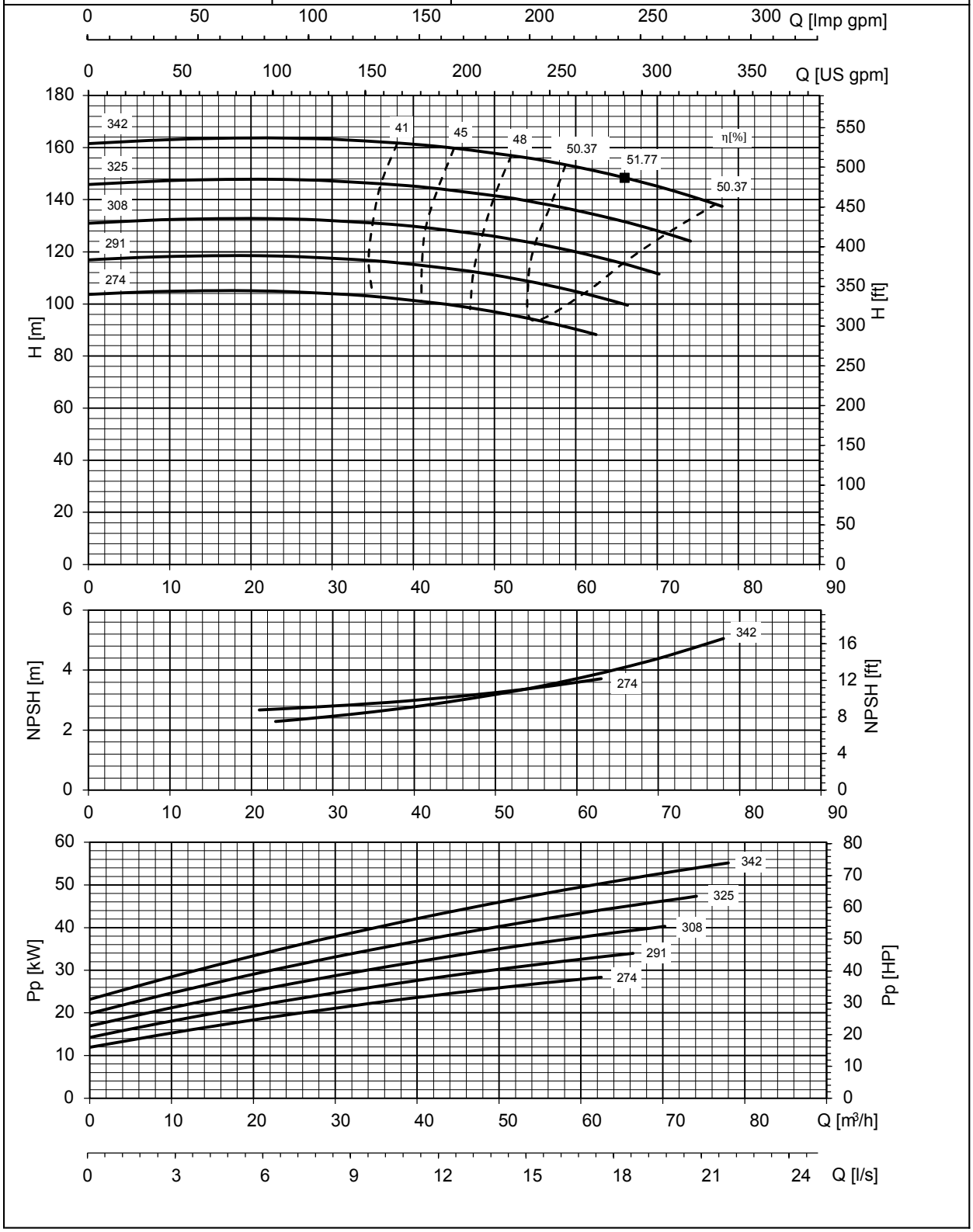
These performance curves are valid for liquids with density = 0.1 kg/dm^3 and kinematic viscosity = 1 mm^2/sec.

1710 65x40-315	2900 rpm; 50 Hz	ISO 9906:2012 - Grade 3B



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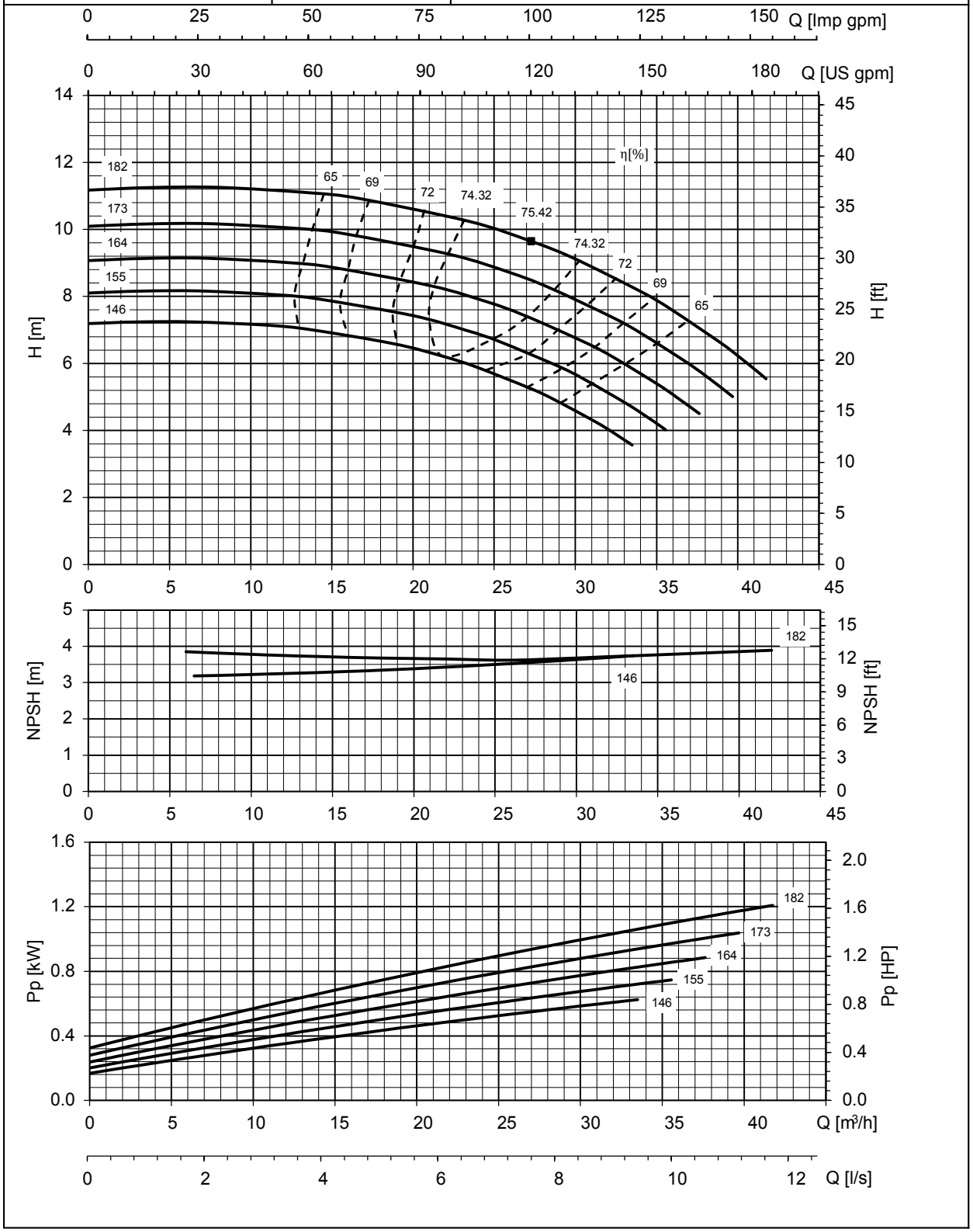
1710 65x50-160	1450 rpm; 50 Hz	ISO 9906:2012 - Grade 3B



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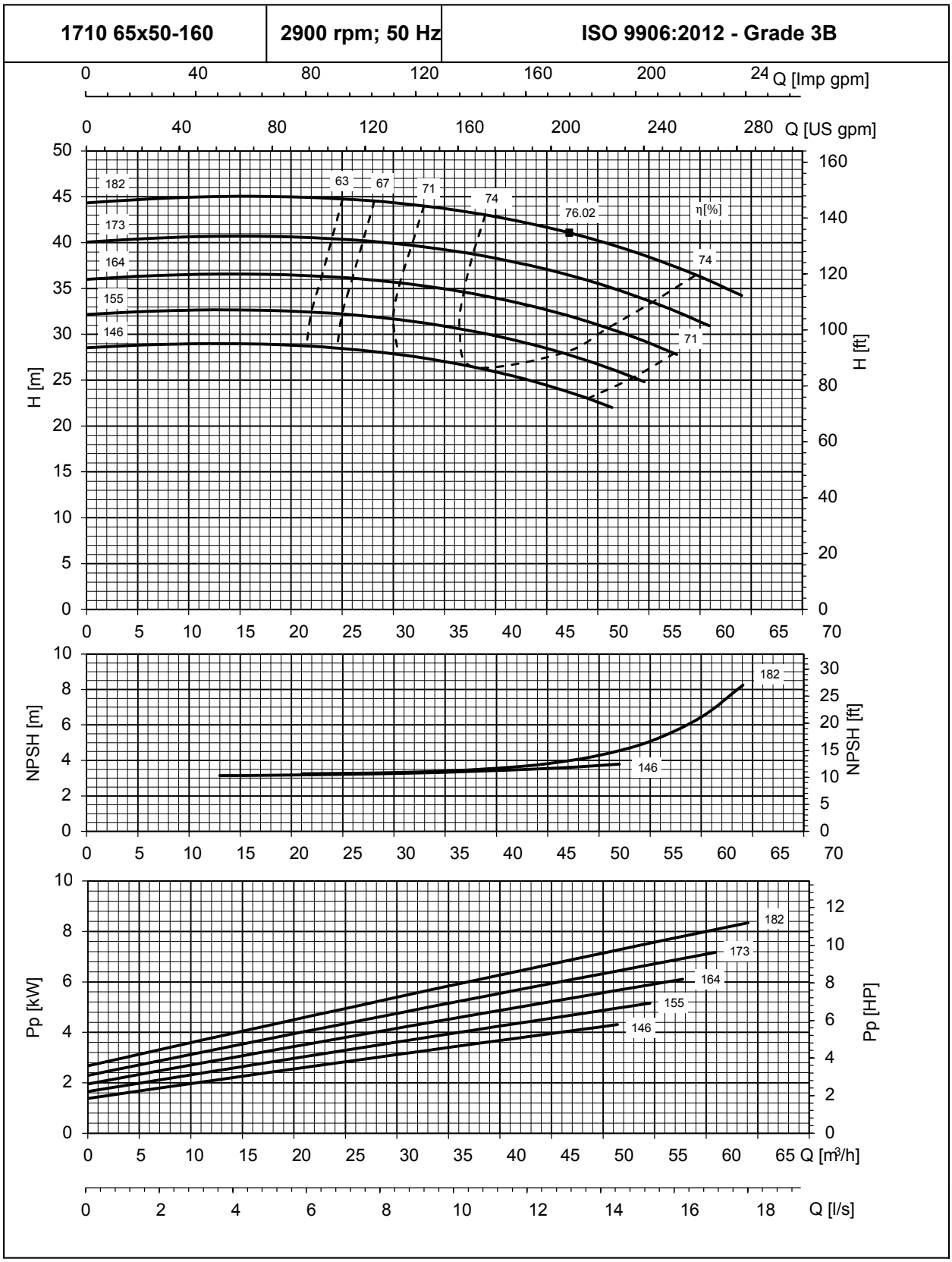

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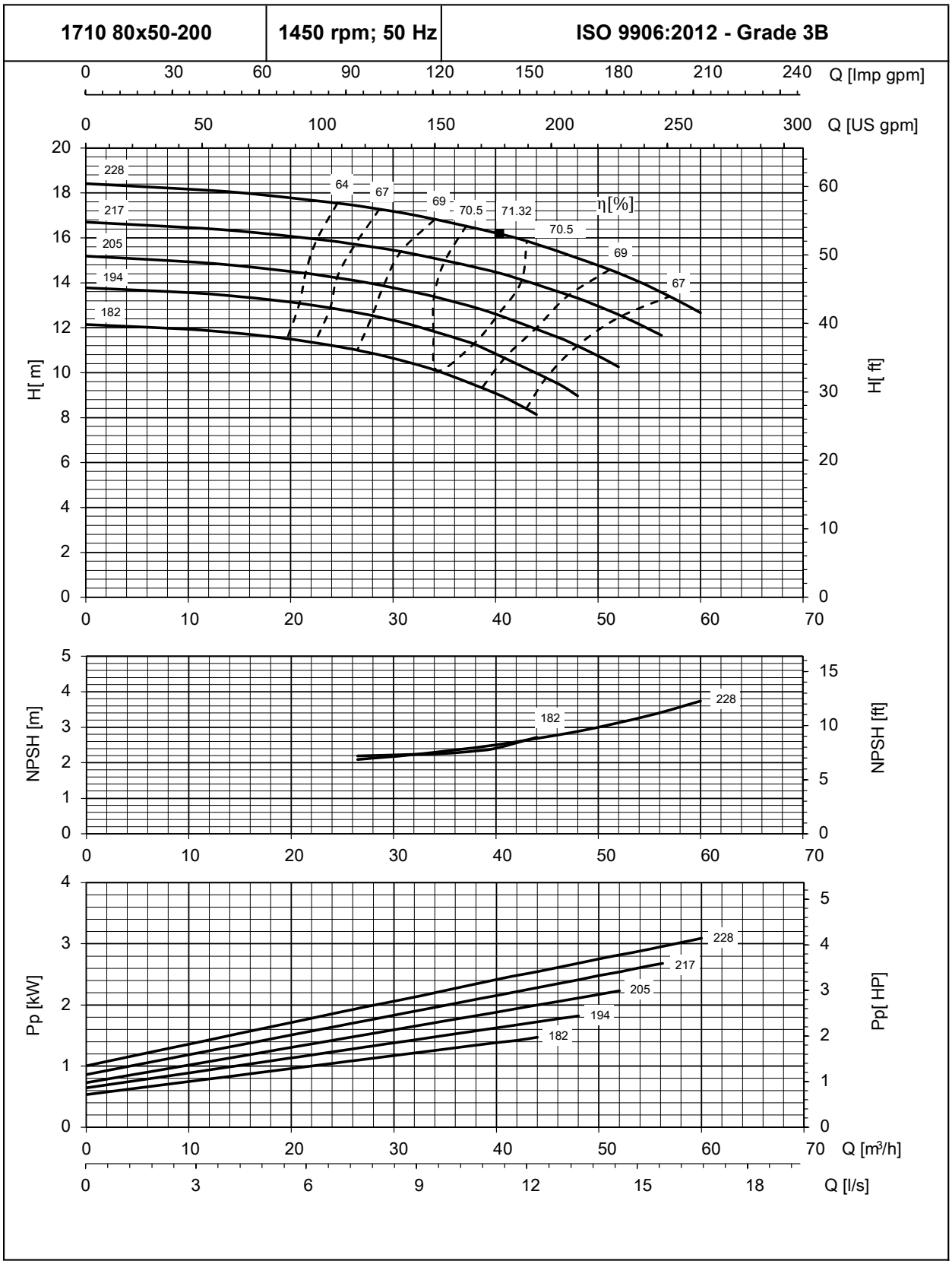

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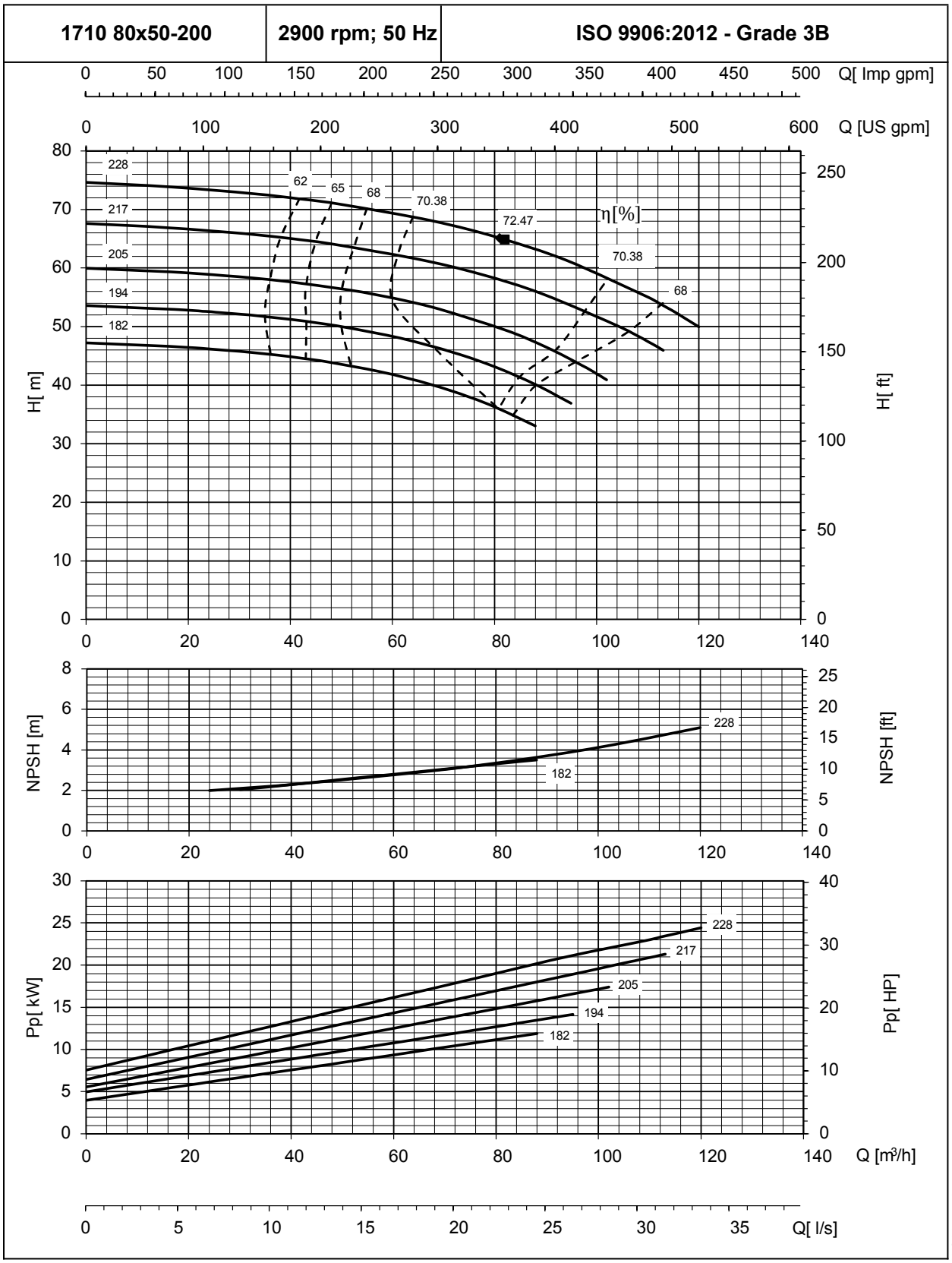

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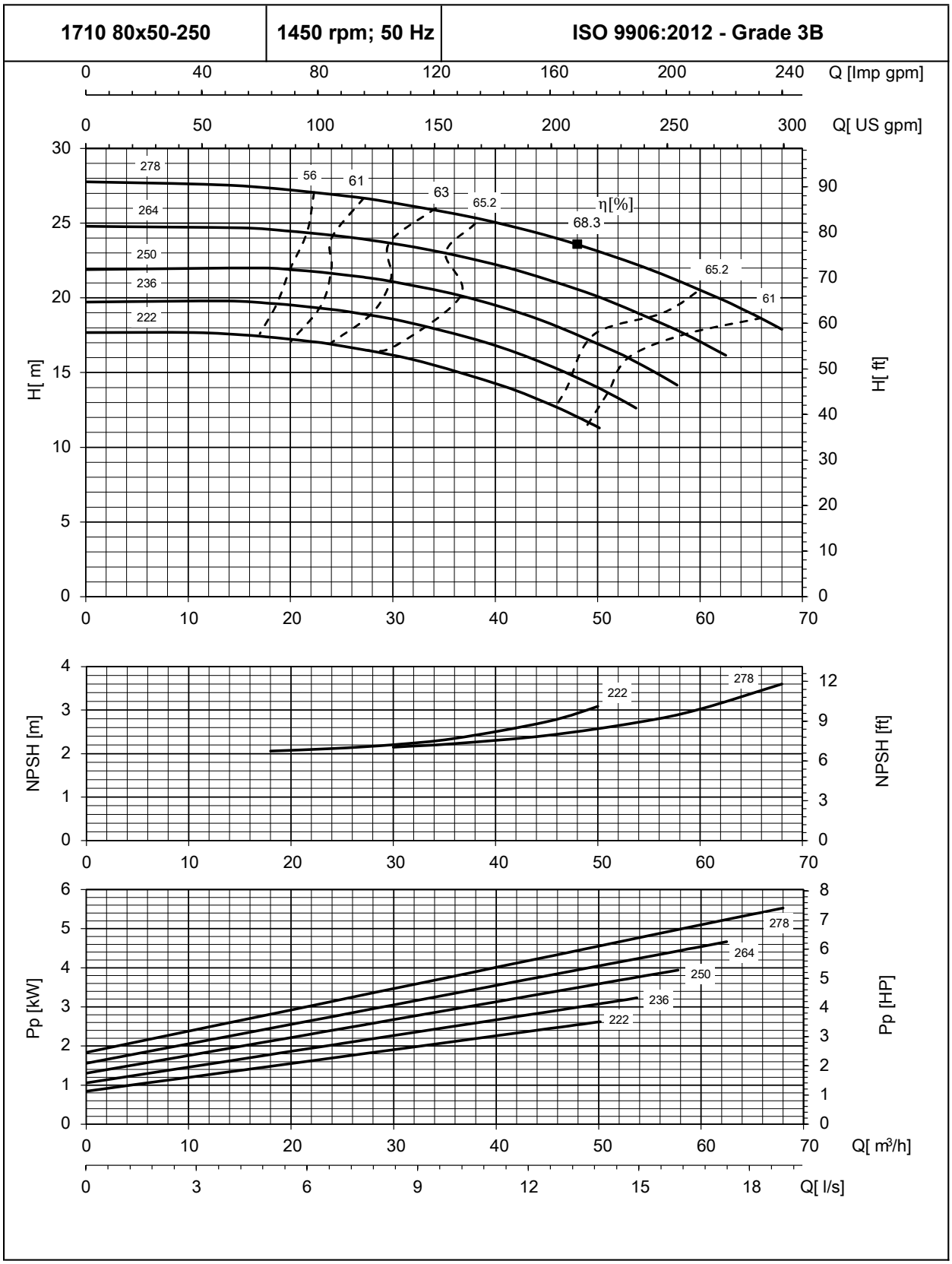

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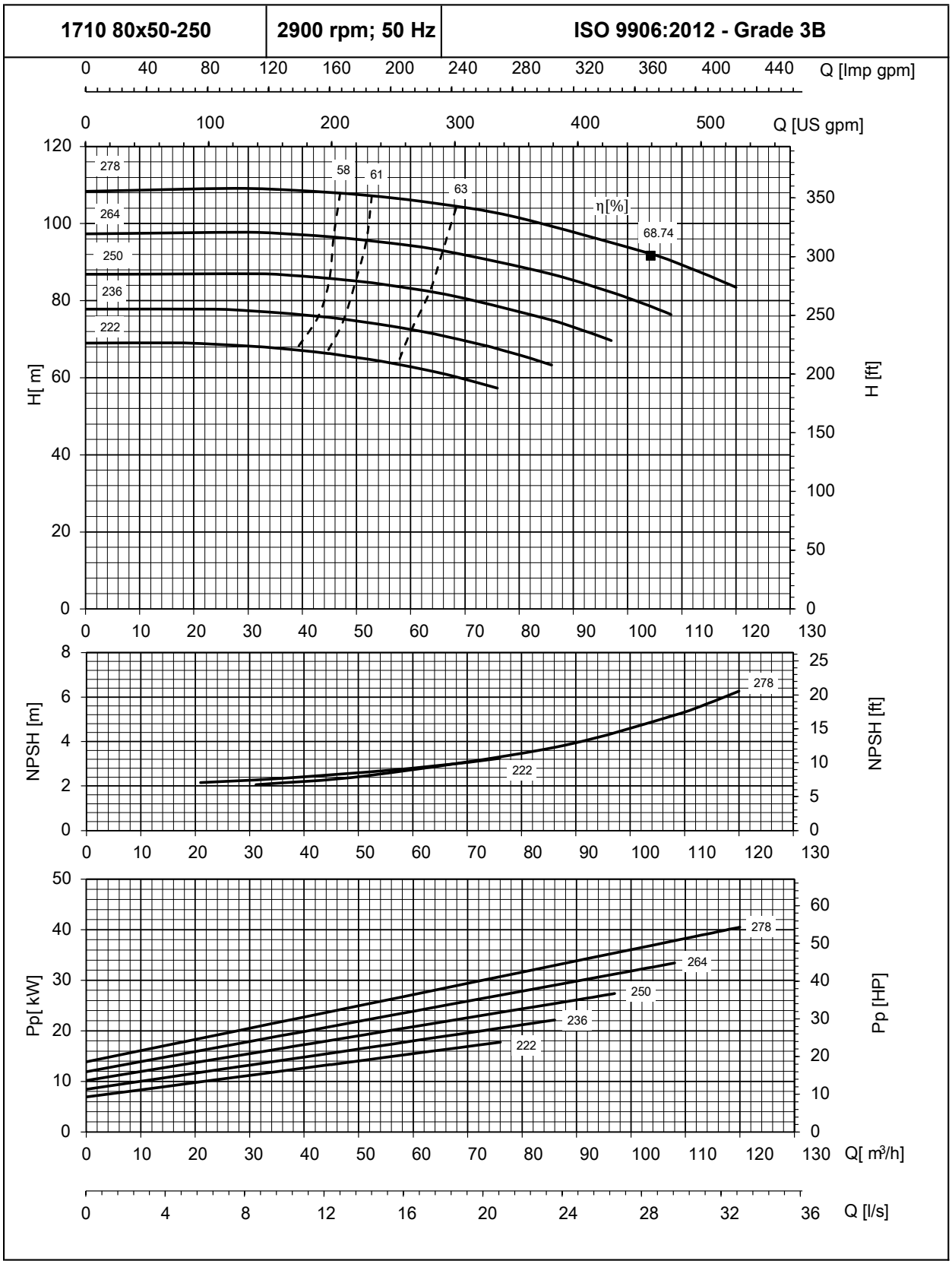

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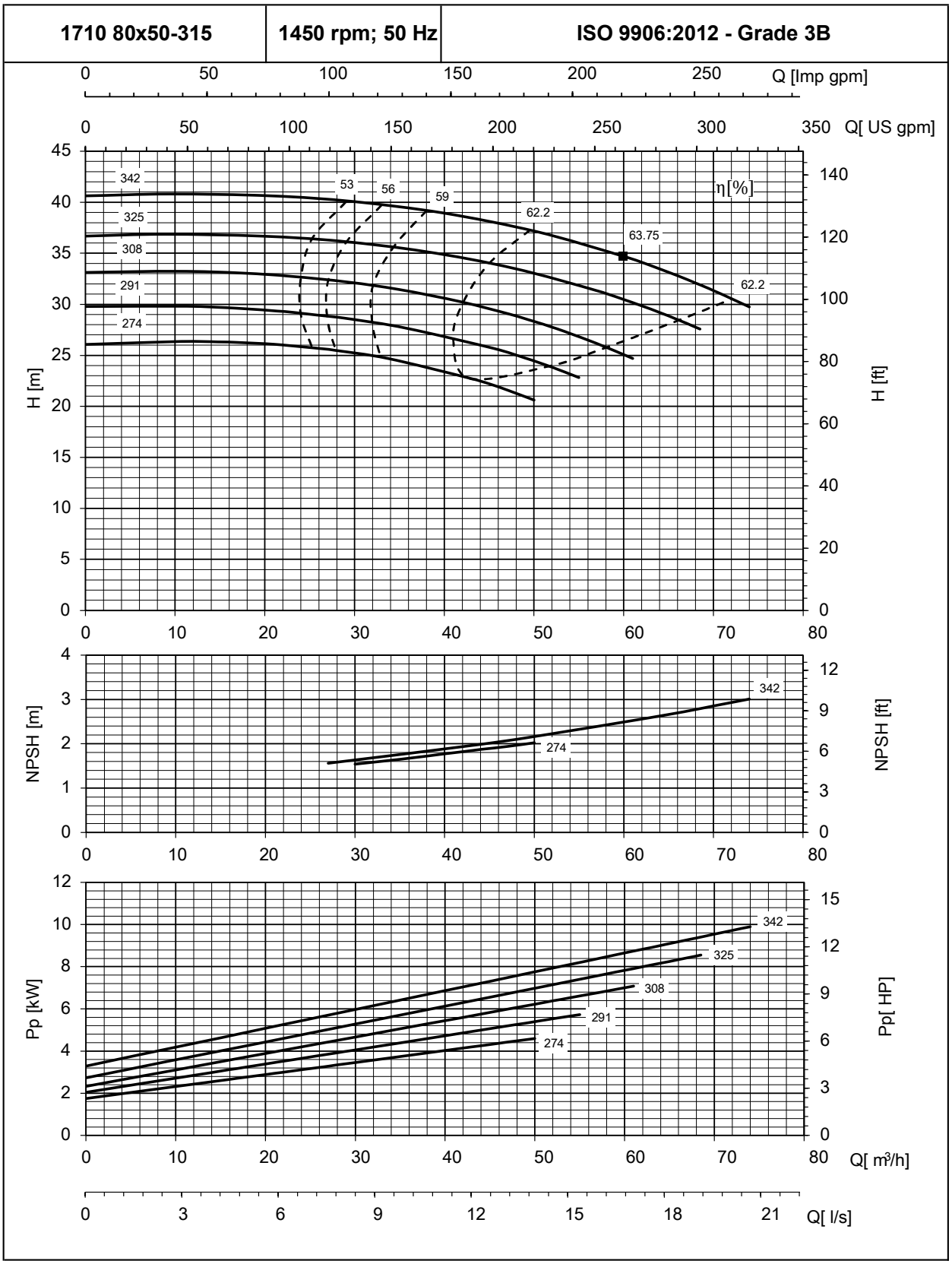
1710 80x50-315	1450 rpm; 50 Hz	ISO 9906:2012 - Grade 3B



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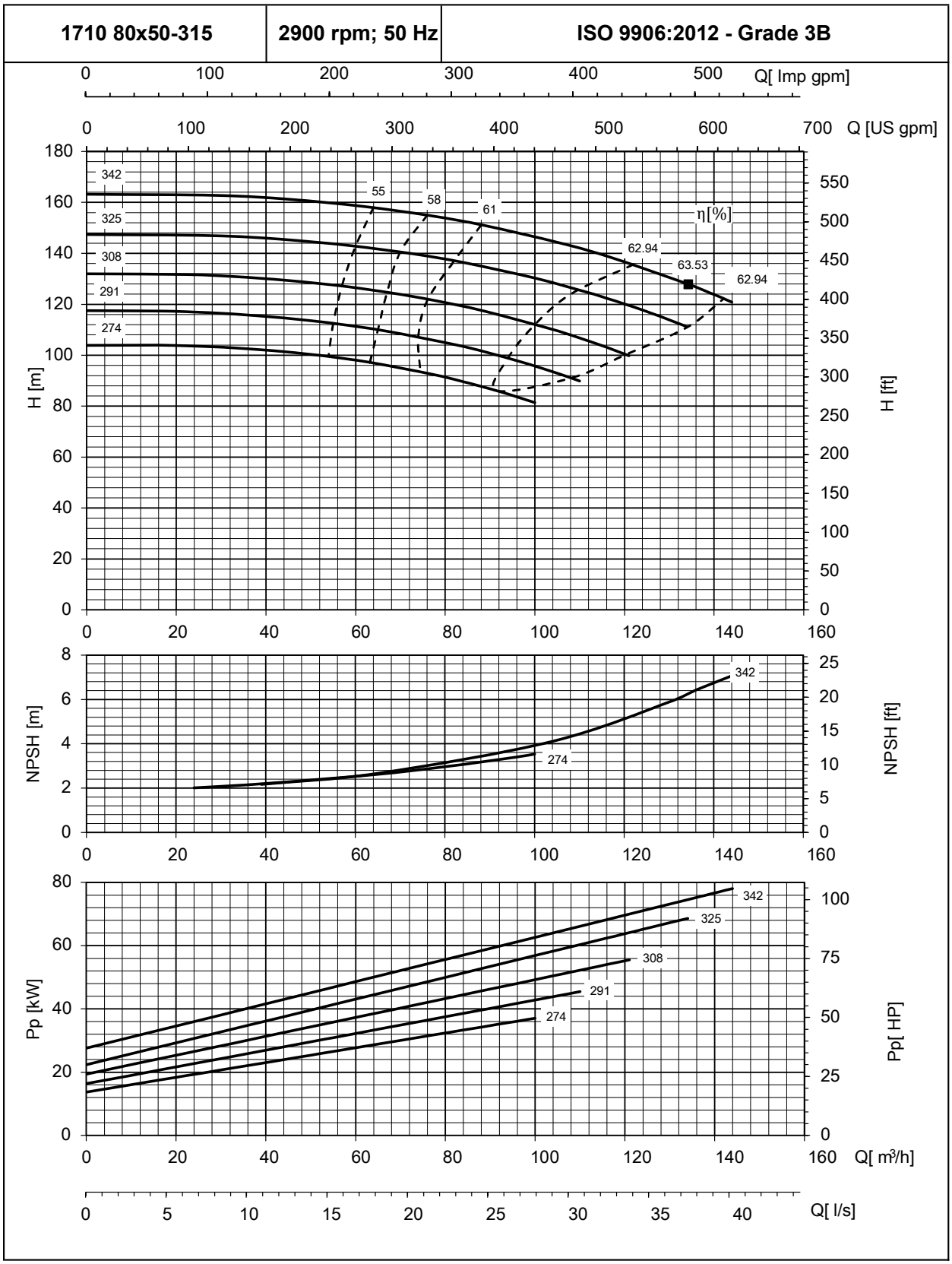

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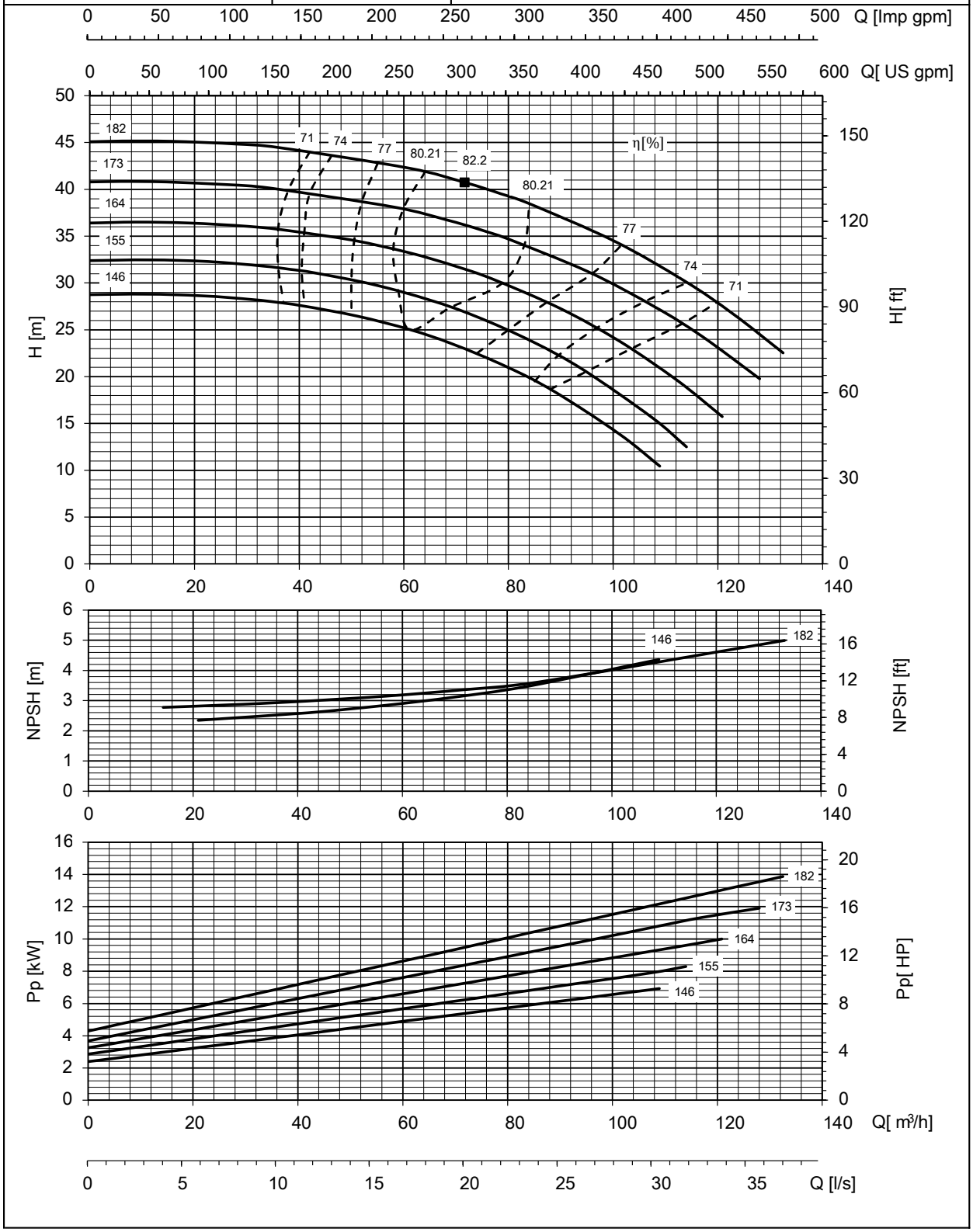
1710 80x65-160	2900 rpm; 50 Hz	ISO 9906:2012 - Grade 3B



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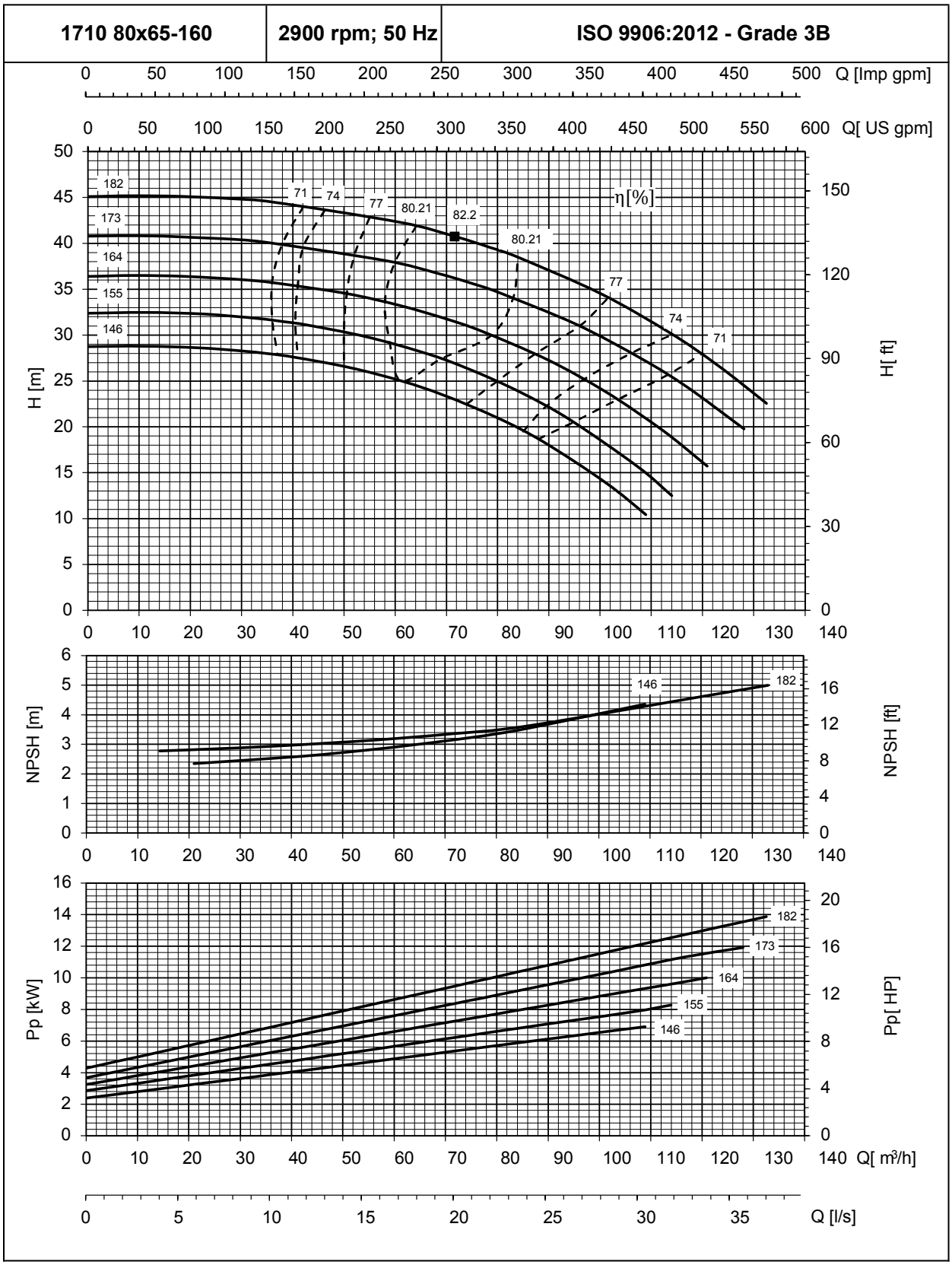

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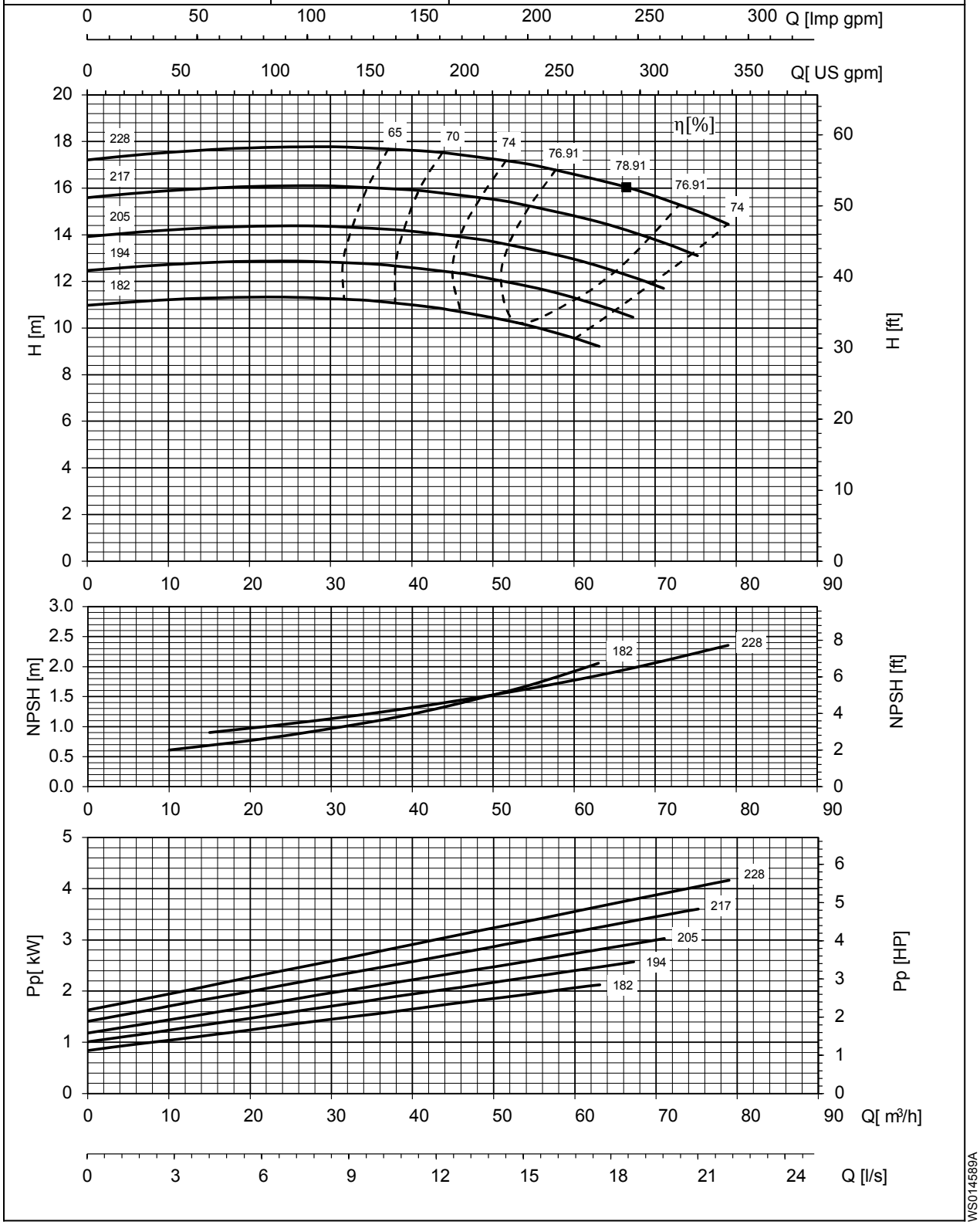
1710 100x65-200	1450 rpm; 50 Hz	ISO 9906:2012 - Grade 3B



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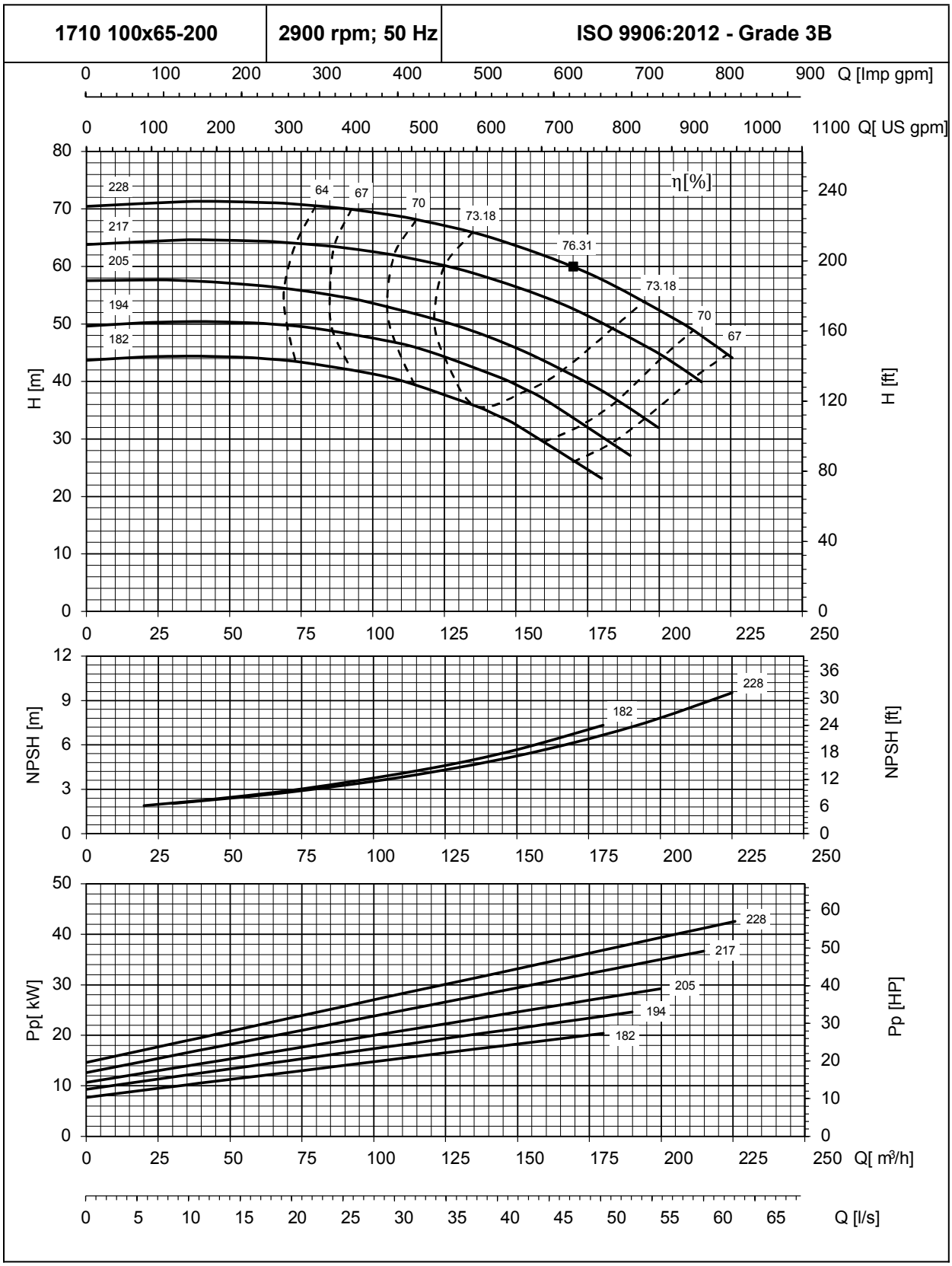

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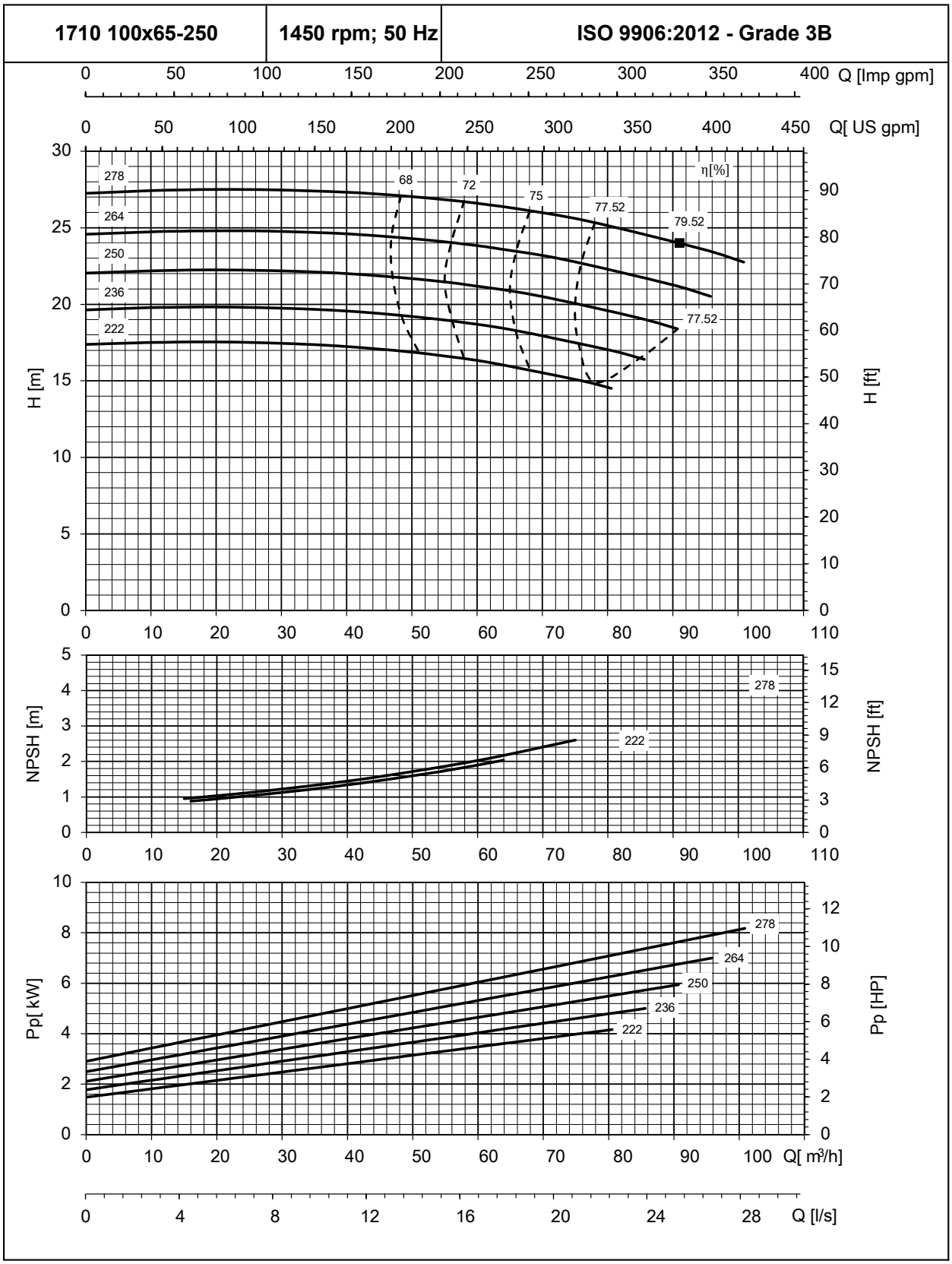

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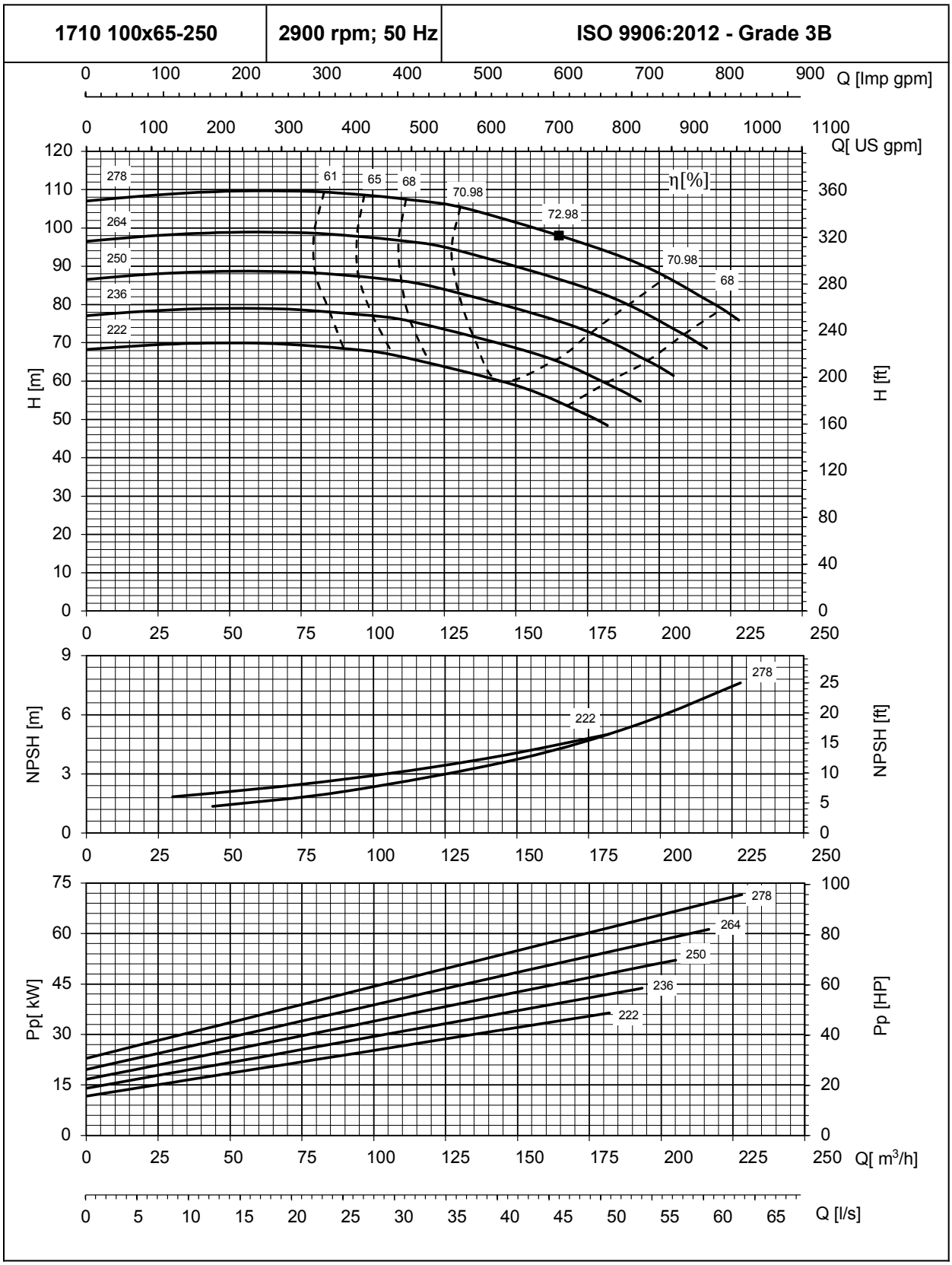

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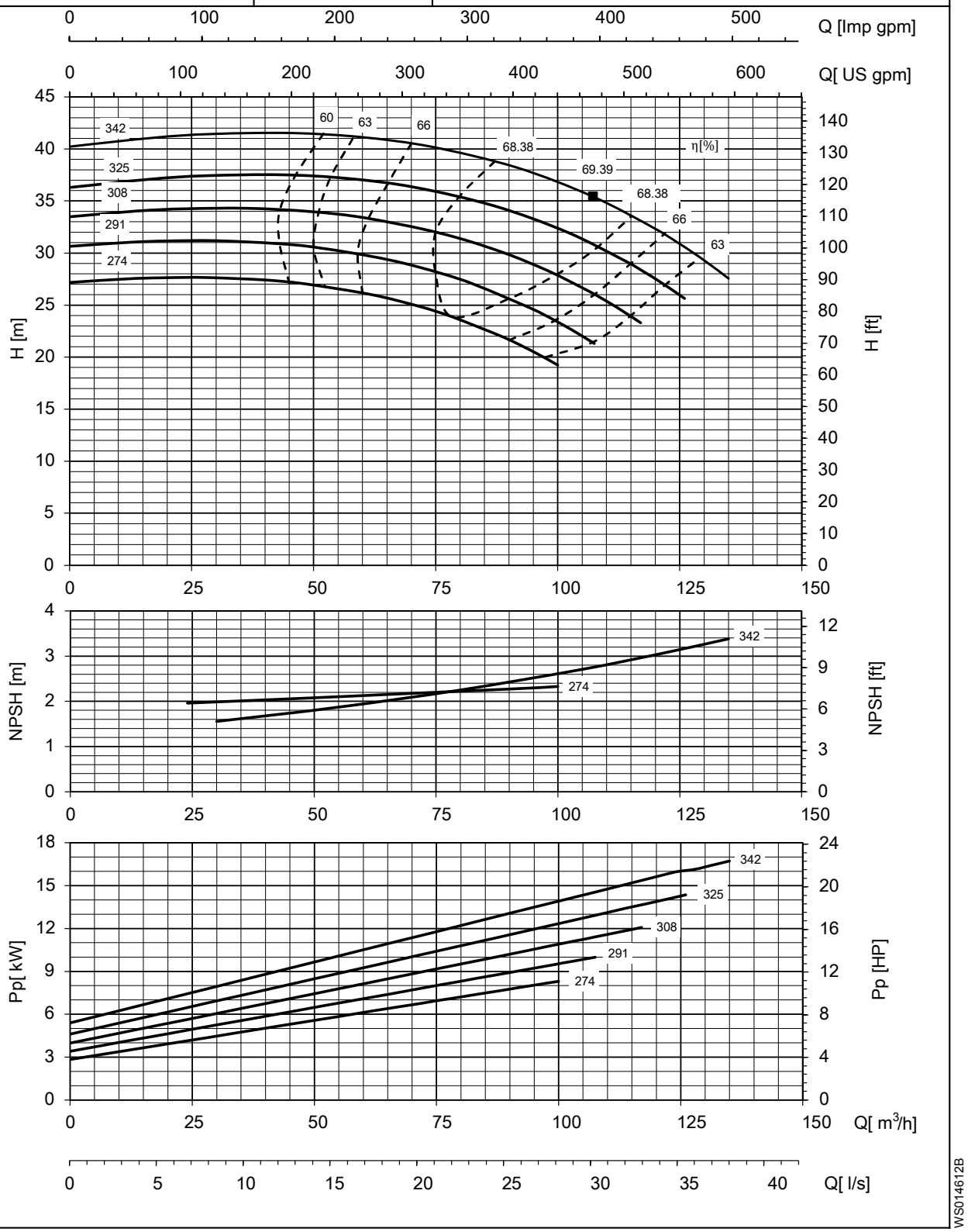
1710 100x65-315	1450 rpm; 50 Hz	ISO 9906:2012 - Grade 3B



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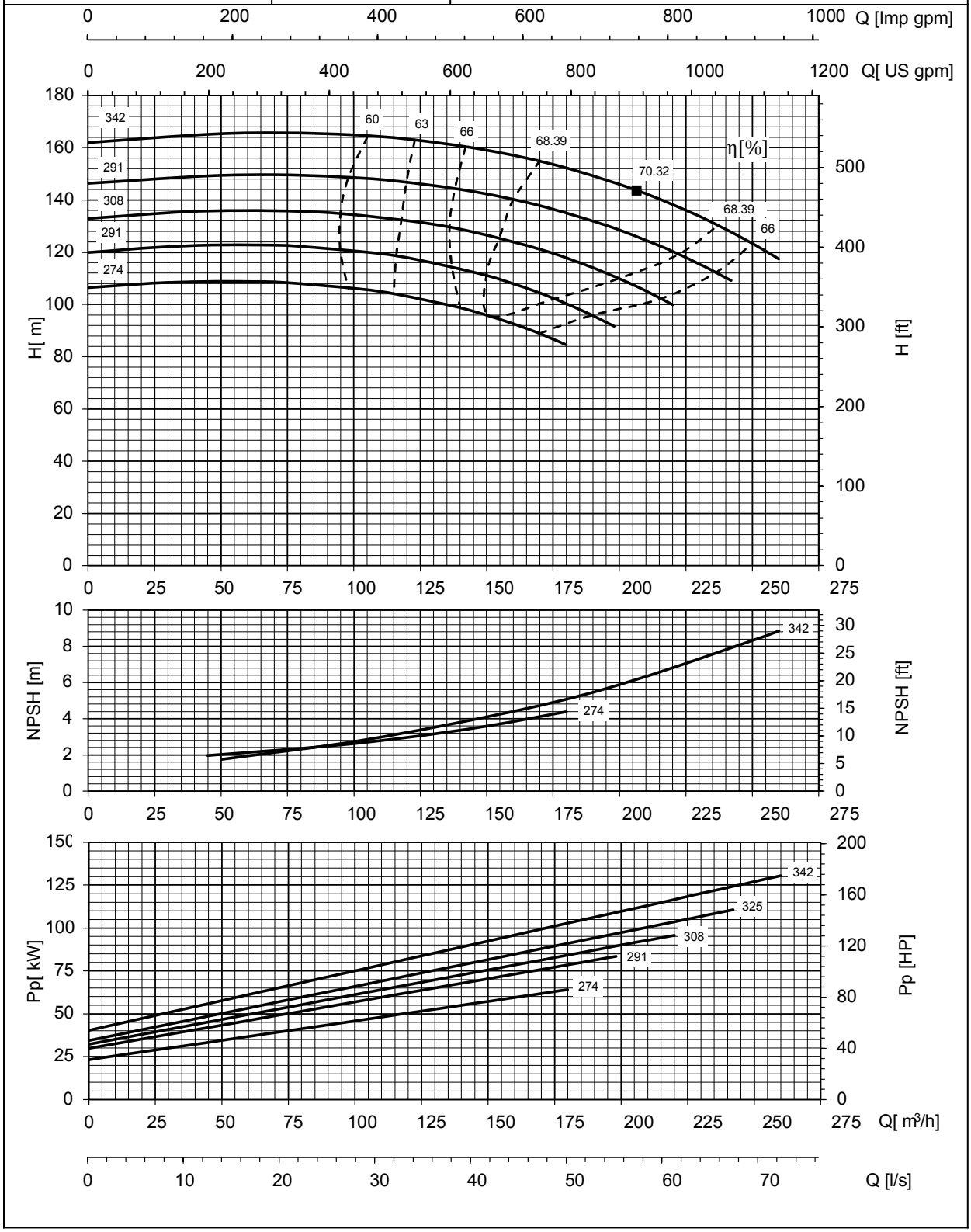
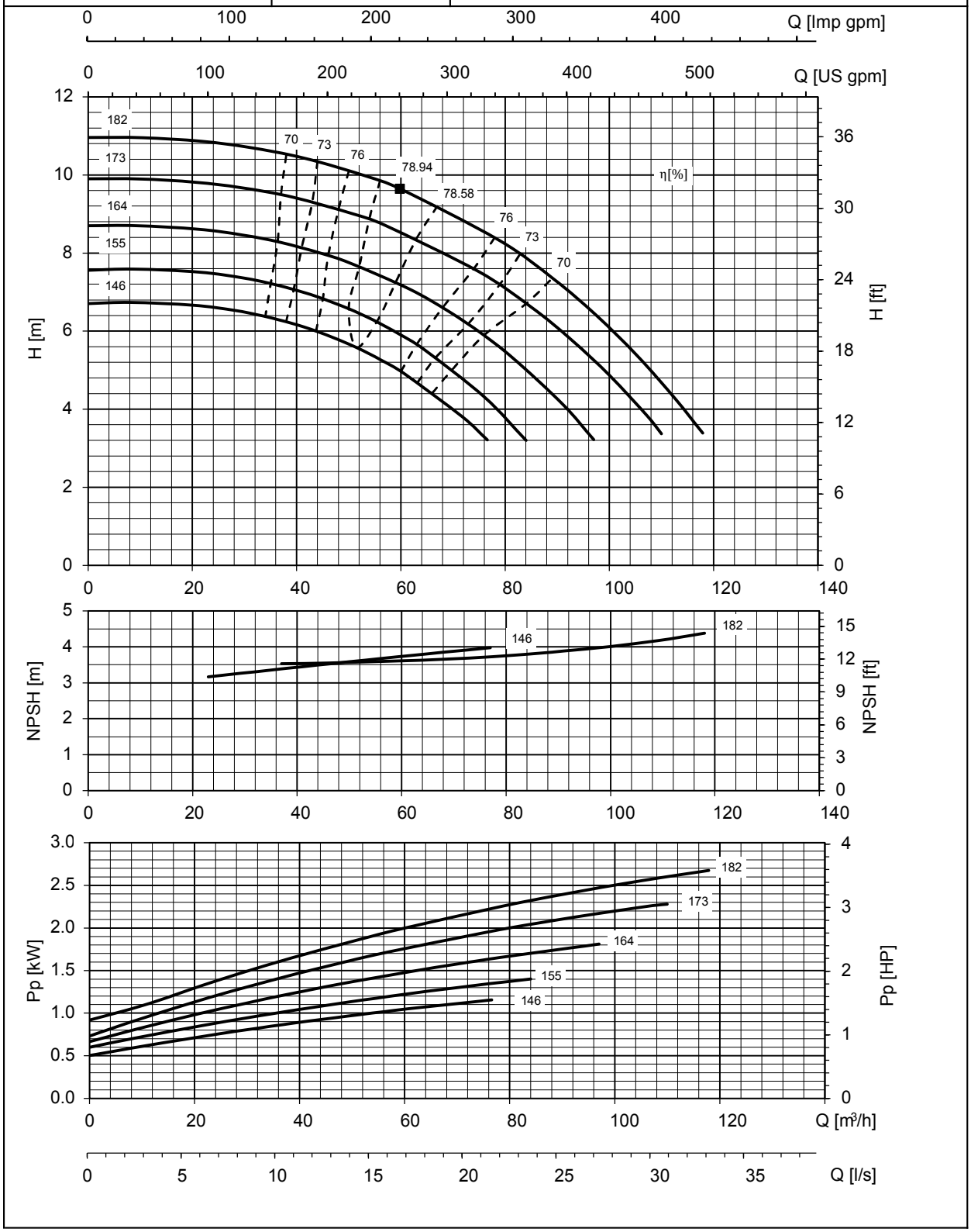
1710 100x65-315	2900 rpm; 50 Hz	ISO 9906:2012 - Grade 3B



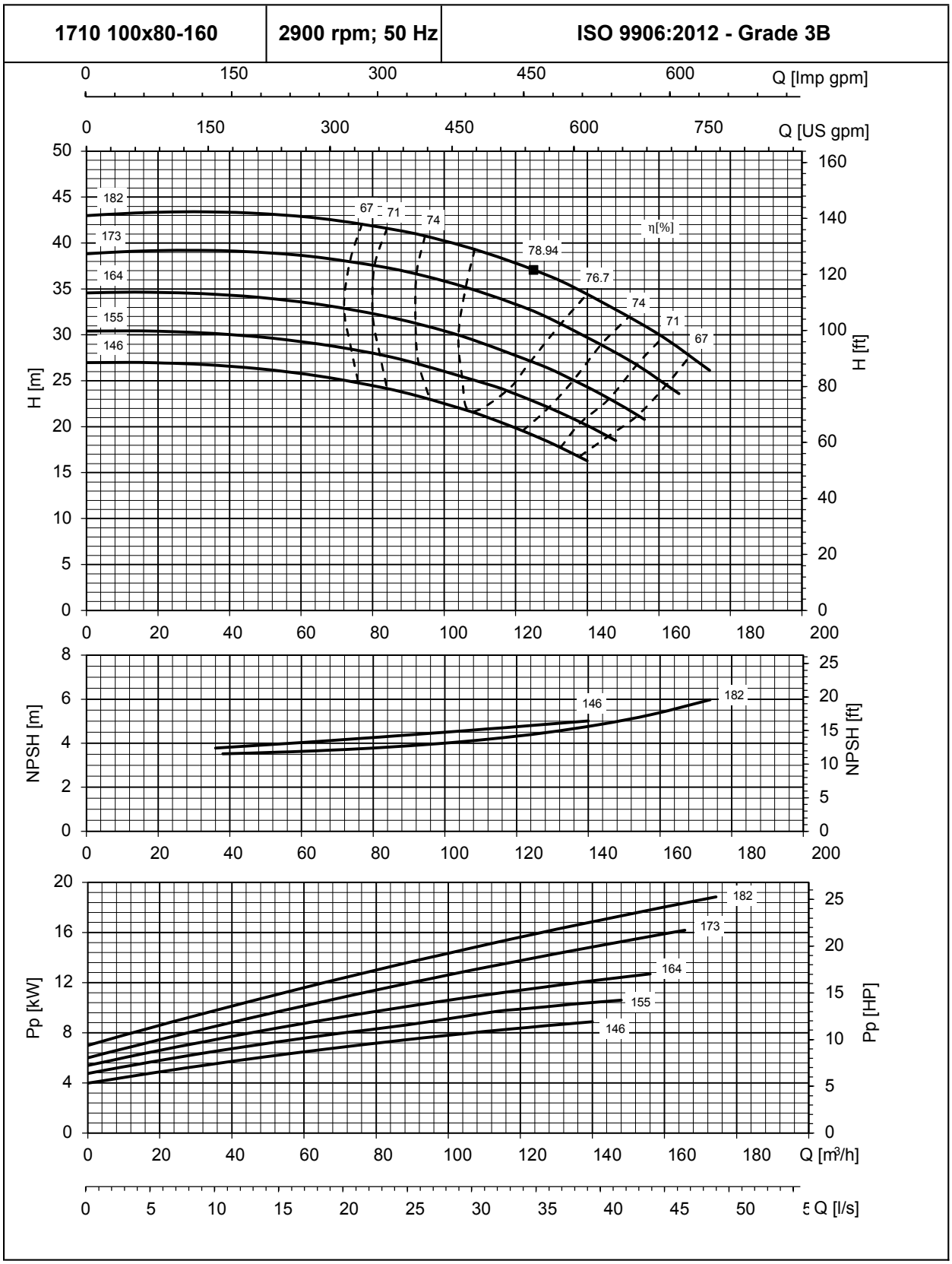
The NPSH values are laboratory values, it is suggested to increase the values by 0.5 m for practical use

These performance curves are valid for liquids with density = 0.1 kg/dm^3 and kinematic viscosity = 1 mm^2/sec.

1710 100x80-160	1450 rpm; 50 Hz	ISO 9906:2012 - Grade 3B

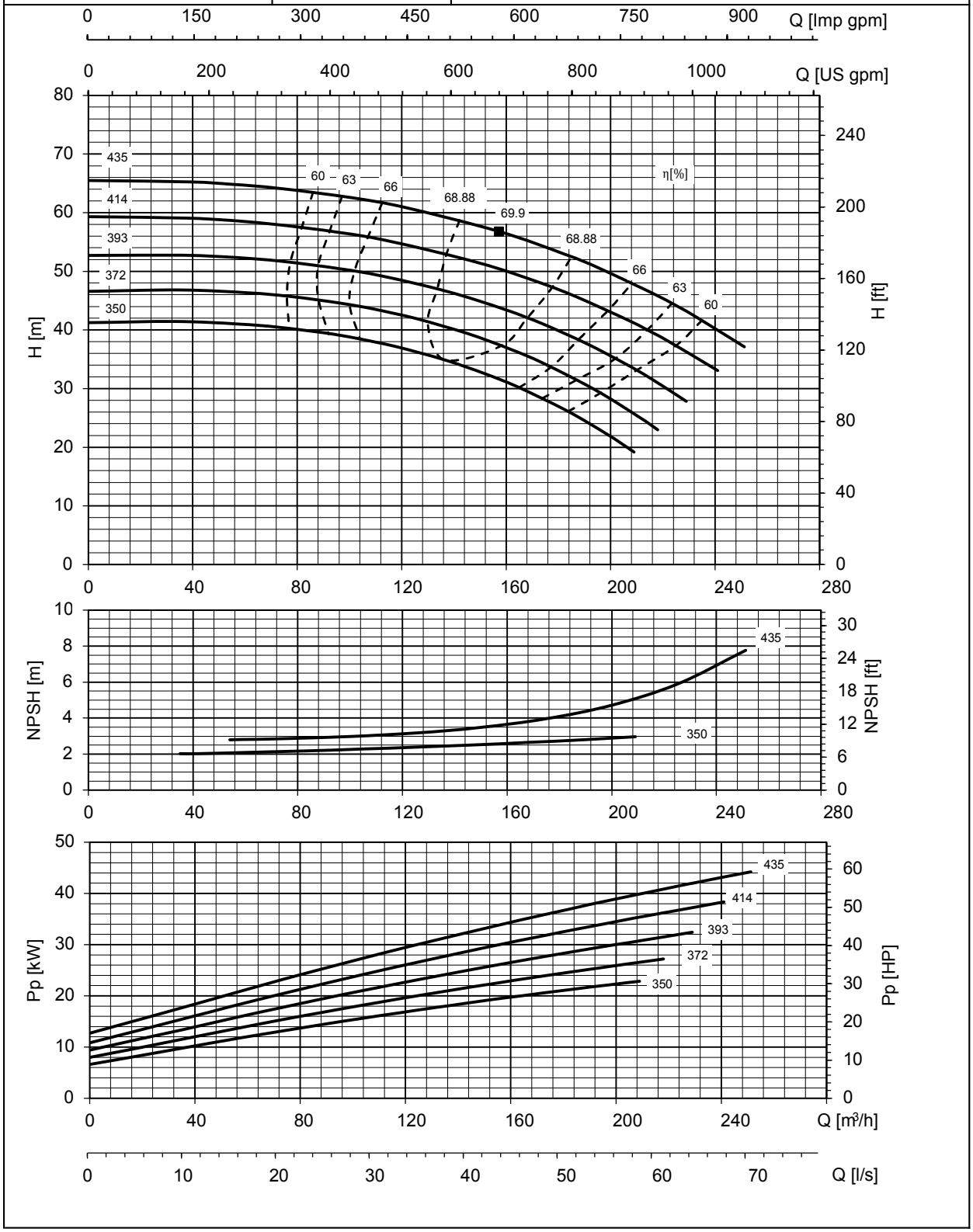


The NPSH values are laboratory values, it is suggested to increase the values by 0.5 m for practical use
These performance curves are valid for liquids with density = 0.1 kg/dm^3 and kinematic viscosity = 1 mm^2/sec.

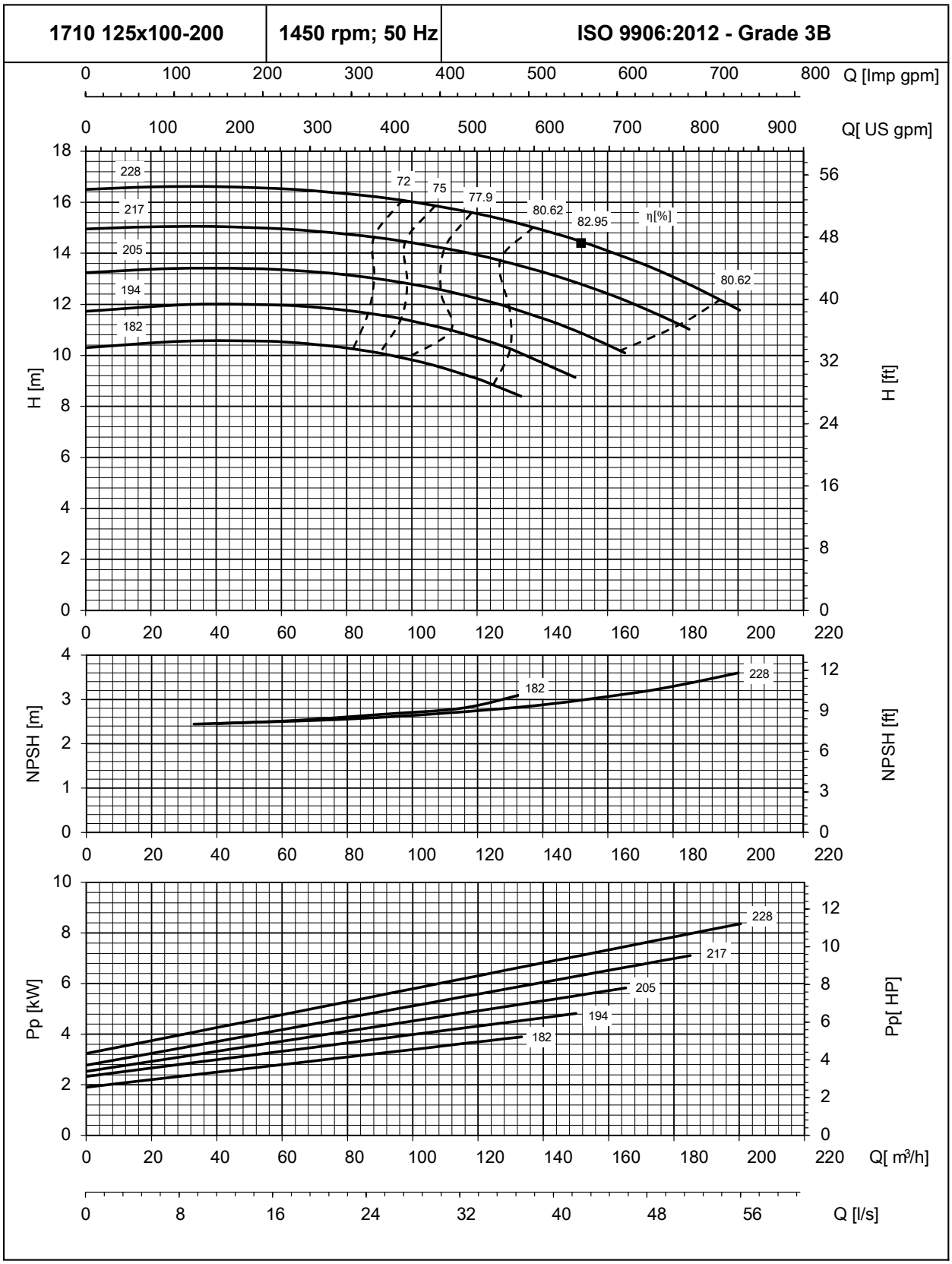


The NPSH values are laboratory values, it is suggested to increase the values by 0.5 m for practical use
These performance curves are valid for liquids with density = 0.1 kg/dm^3 and kinematic viscosity = 1 mm^2/sec.

1710 125x80-400	1450 rpm; 50 Hz	ISO 9906:2012 - Grade 3B

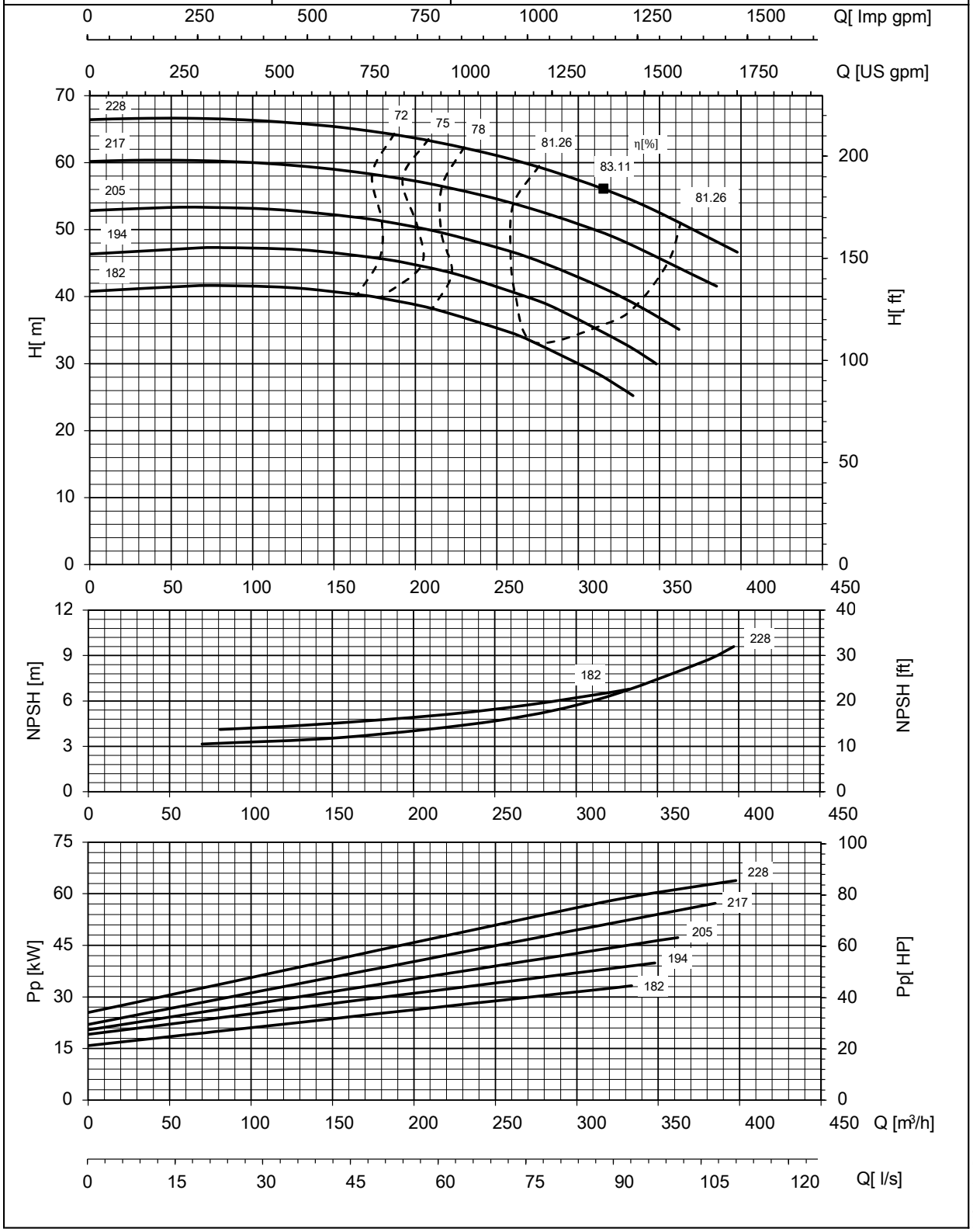


The NPSH values are laboratory values, it is suggested to increase the values by 0.5 m for practical use
These performance curves are valid for liquids with density = 0.1 kg/dm^3 and kinematic viscosity = 1 mm^2/sec.

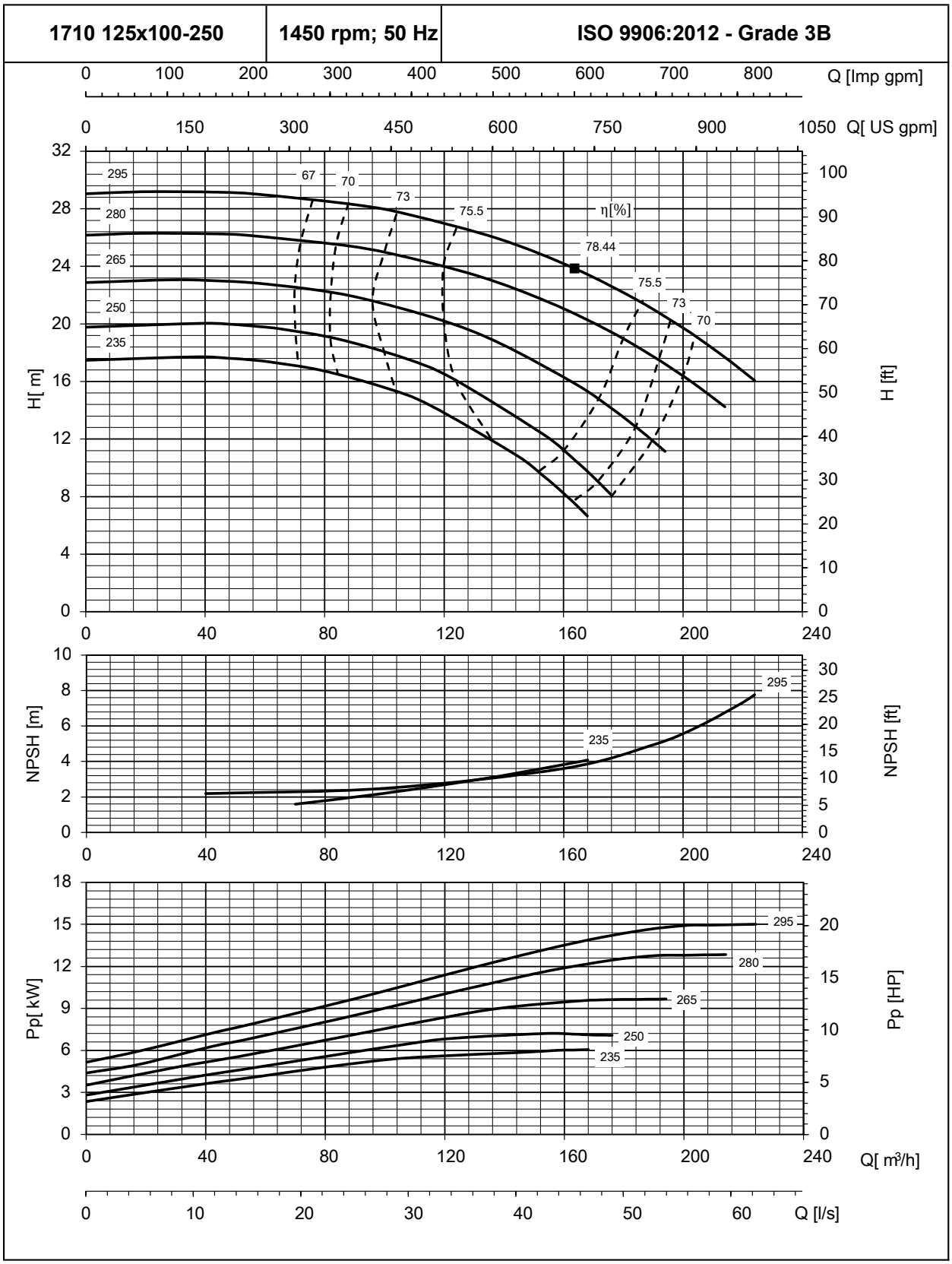


The NPSH values are laboratory values, it is suggested to increase the values by 0.5 m for practical use
These performance curves are valid for liquids with density = 0.1 kg/dm^3 and kinematic viscosity = 1 mm^2/sec.

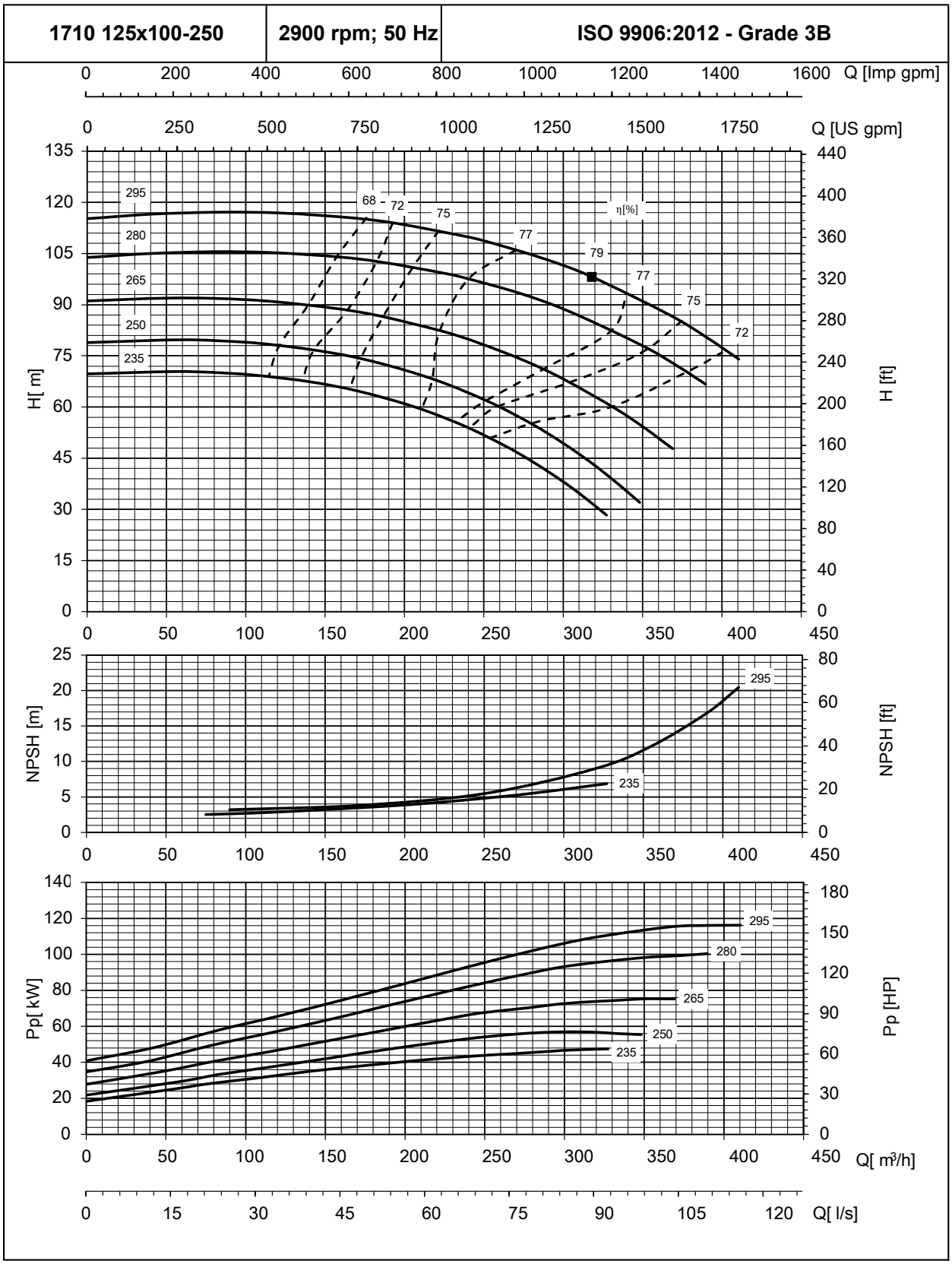
1710 125x100-200	2900 rpm; 50 Hz	ISO 9906:2012 - Grade 3B



The NPSH values are laboratory values, it is suggested to increase the values by 0.5 m for practical use
These performance curves are valid for liquids with density = 0.1 kg/dm^3 and kinematic viscosity = 1 mm^2/sec.

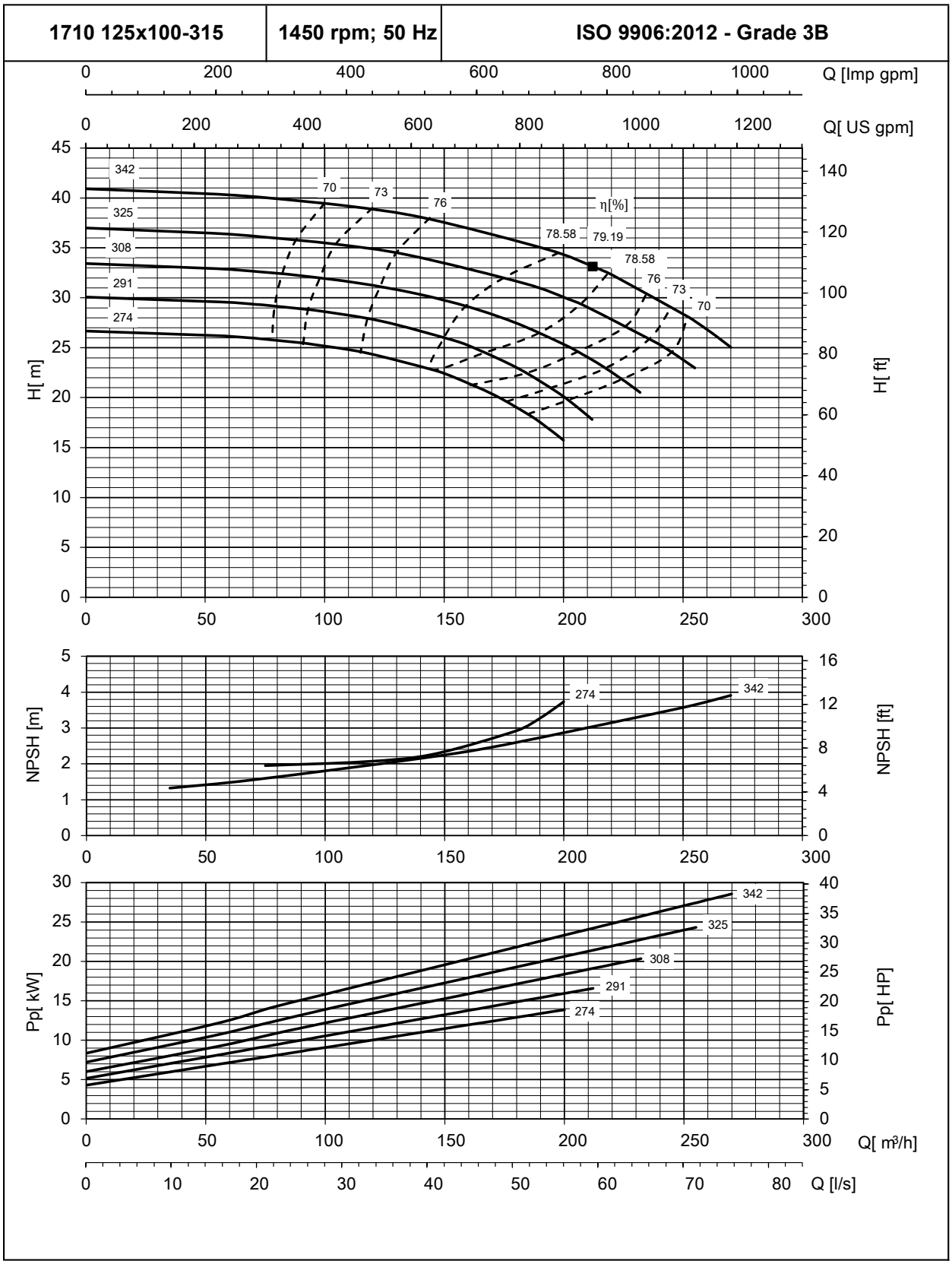


The NPSH values are laboratory values, it is suggested to increase the values by 0.5 m for practical use
These performance curves are valid for liquids with density = 0.1 kg/dm^3 and kinematic viscosity = 1 mm^2/sec.

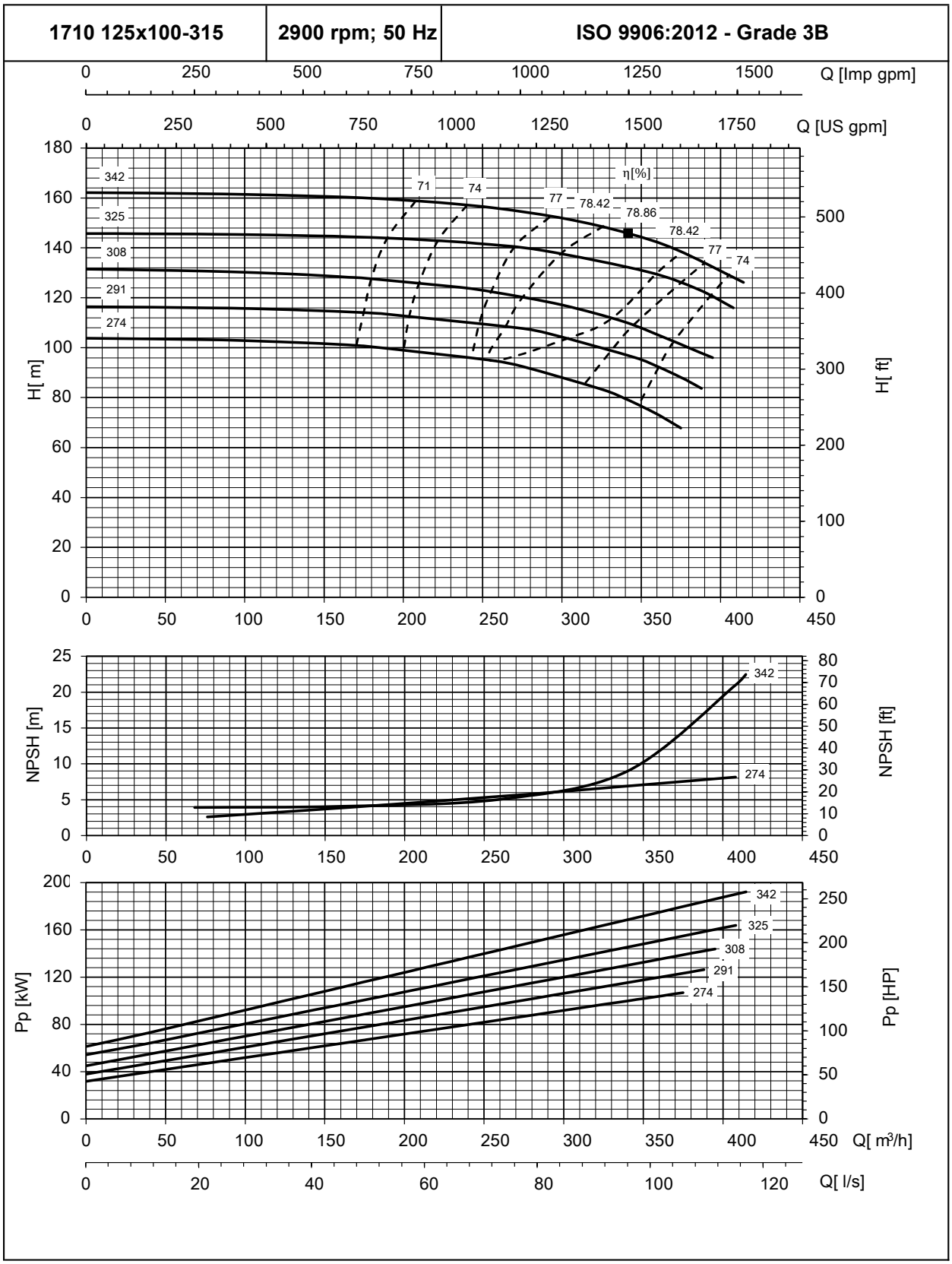


The NPSH values are laboratory values, it is suggested to increase the values by 0.5 m for practical use

These performance curves are valid for liquids with density = 0.1 kg/dm^3 and kinematic viscosity = 1 mm^2/sec.



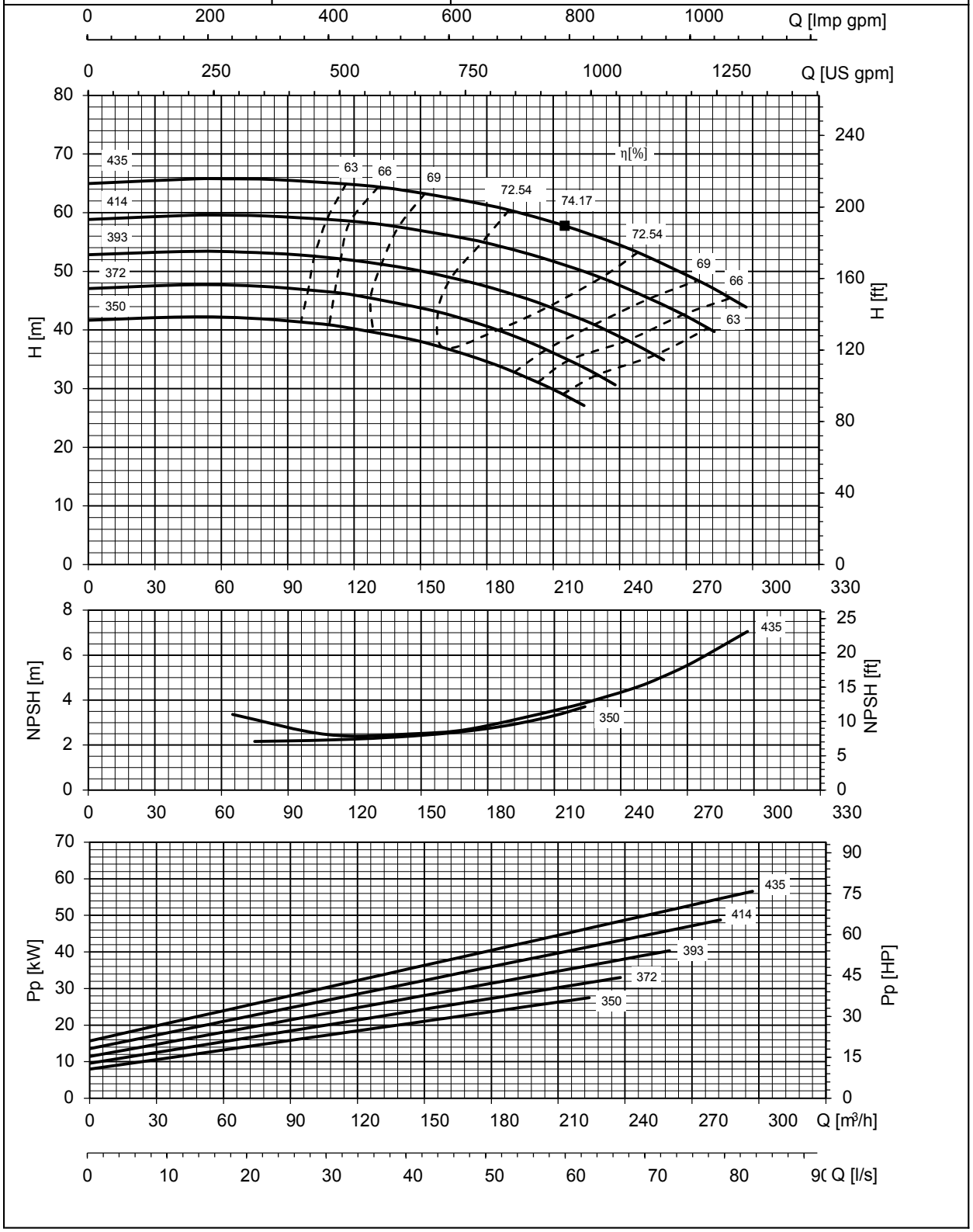
The NPSH values are laboratory values, it is suggested to increase the values by 0.5 m for practical use
These performance curves are valid for liquids with density = 0.1 kg/dm^3 and kinematic viscosity = 1 mm^2/sec.



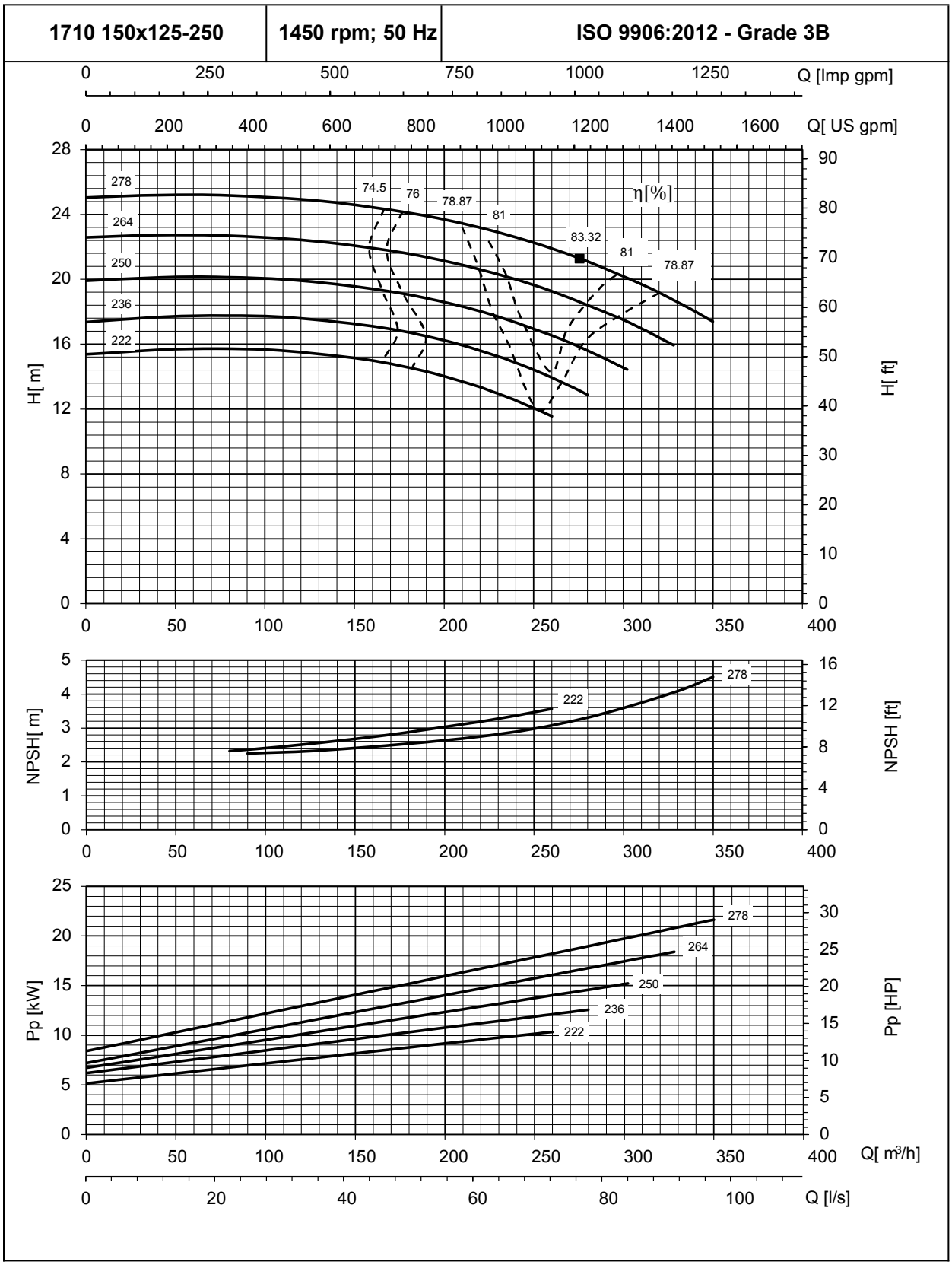
The NPSH values are laboratory values, it is suggested to increase the values by 0.5 m for practical use

These performance curves are valid for liquids with density = 0.1 kg/dm^3 and kinematic viscosity = 1 mm^2/sec.

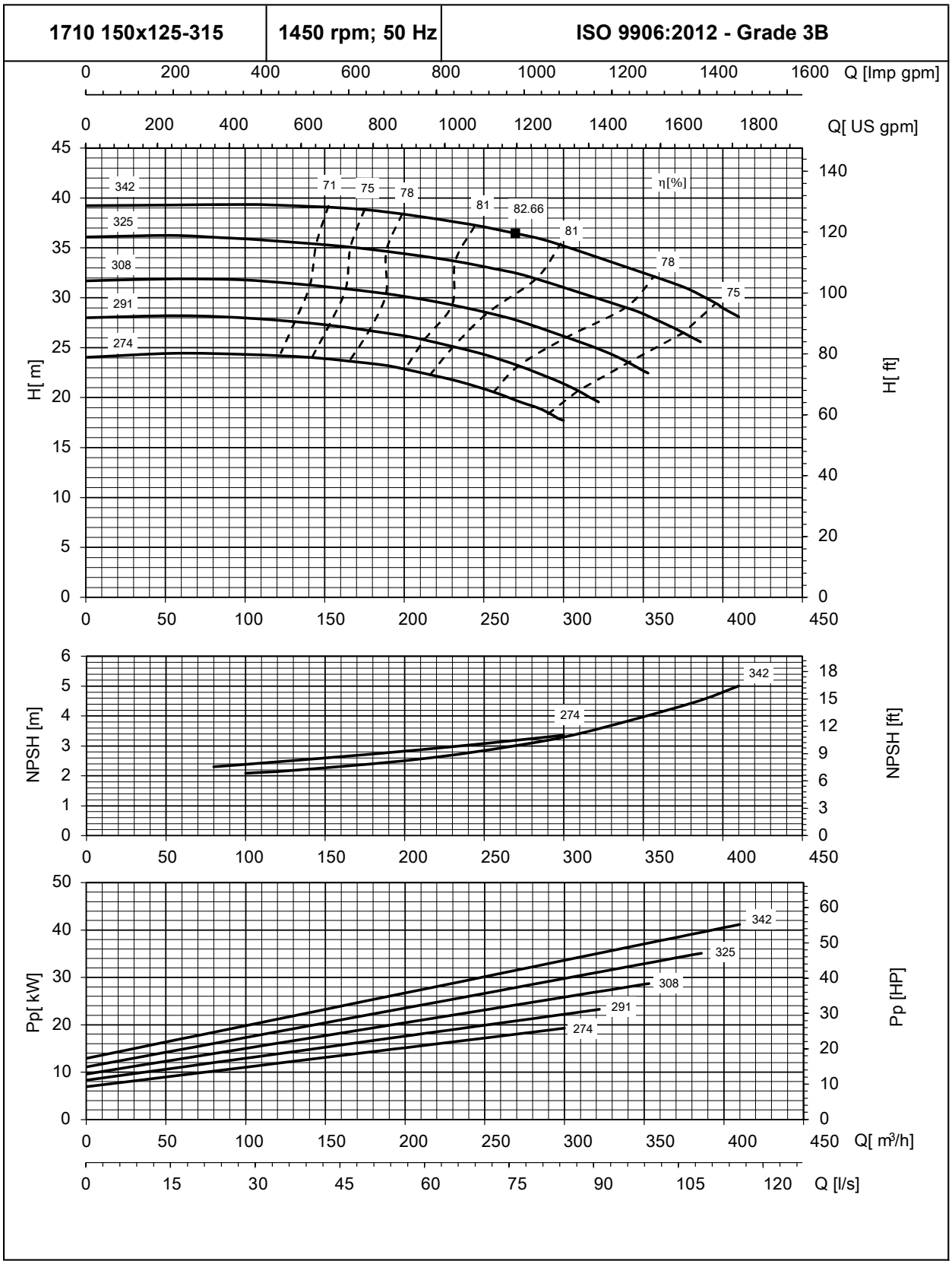
1710 125x100-400	1450 rpm; 50 Hz	ISO 9906:2012 - Grade 3B



The NPSH values are laboratory values, it is suggested to increase the values by 0.5 m for practical use
These performance curves are valid for liquids with density = 0.1 kg/dm^3 and kinematic viscosity = 1 mm^2/sec.

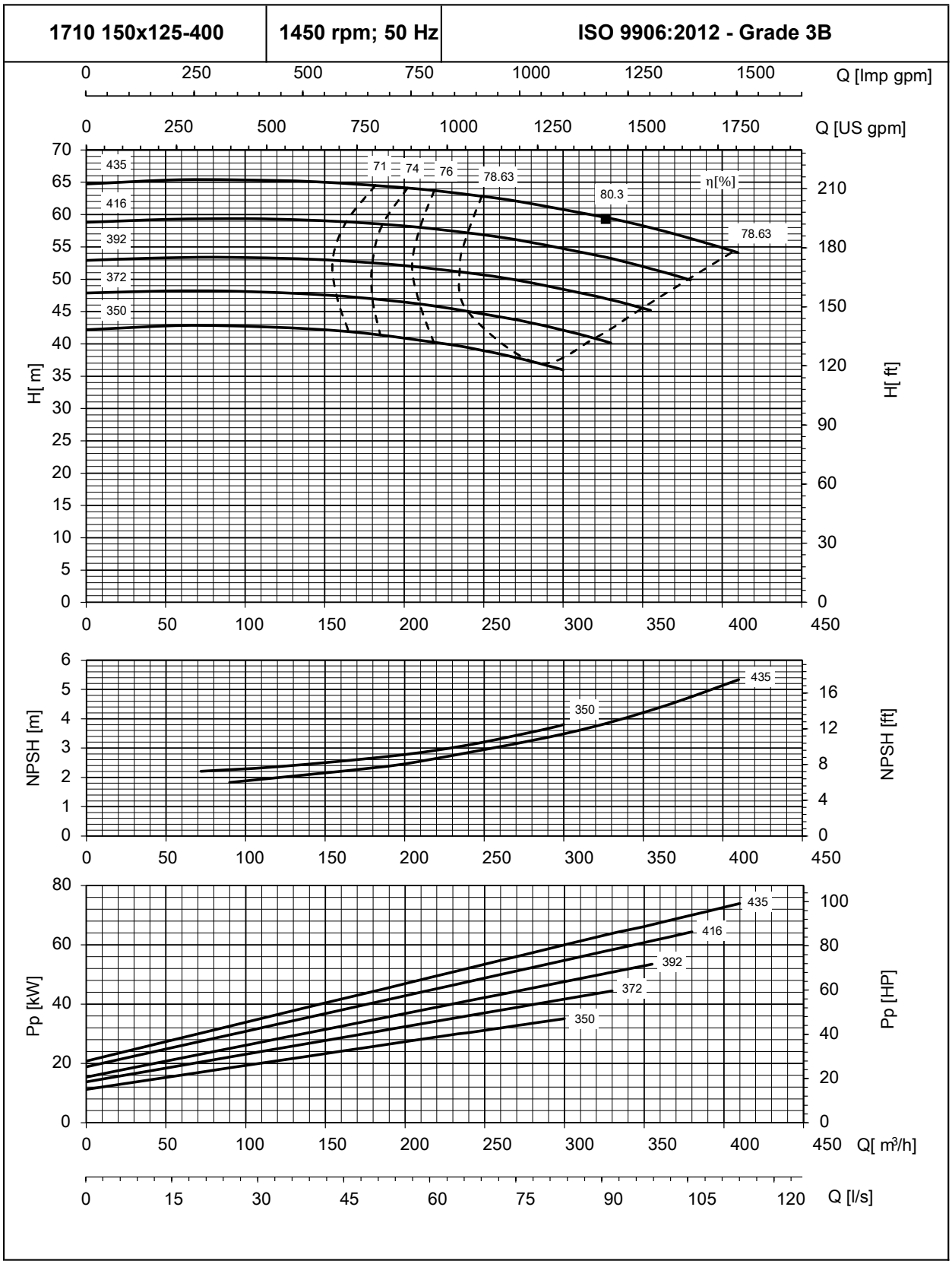


The NPSH values are laboratory values, it is suggested to increase the values by 0.5 m for practical use
These performance curves are valid for liquids with density = 0.1 kg/dm^3 and kinematic viscosity = 1 mm^2/sec.

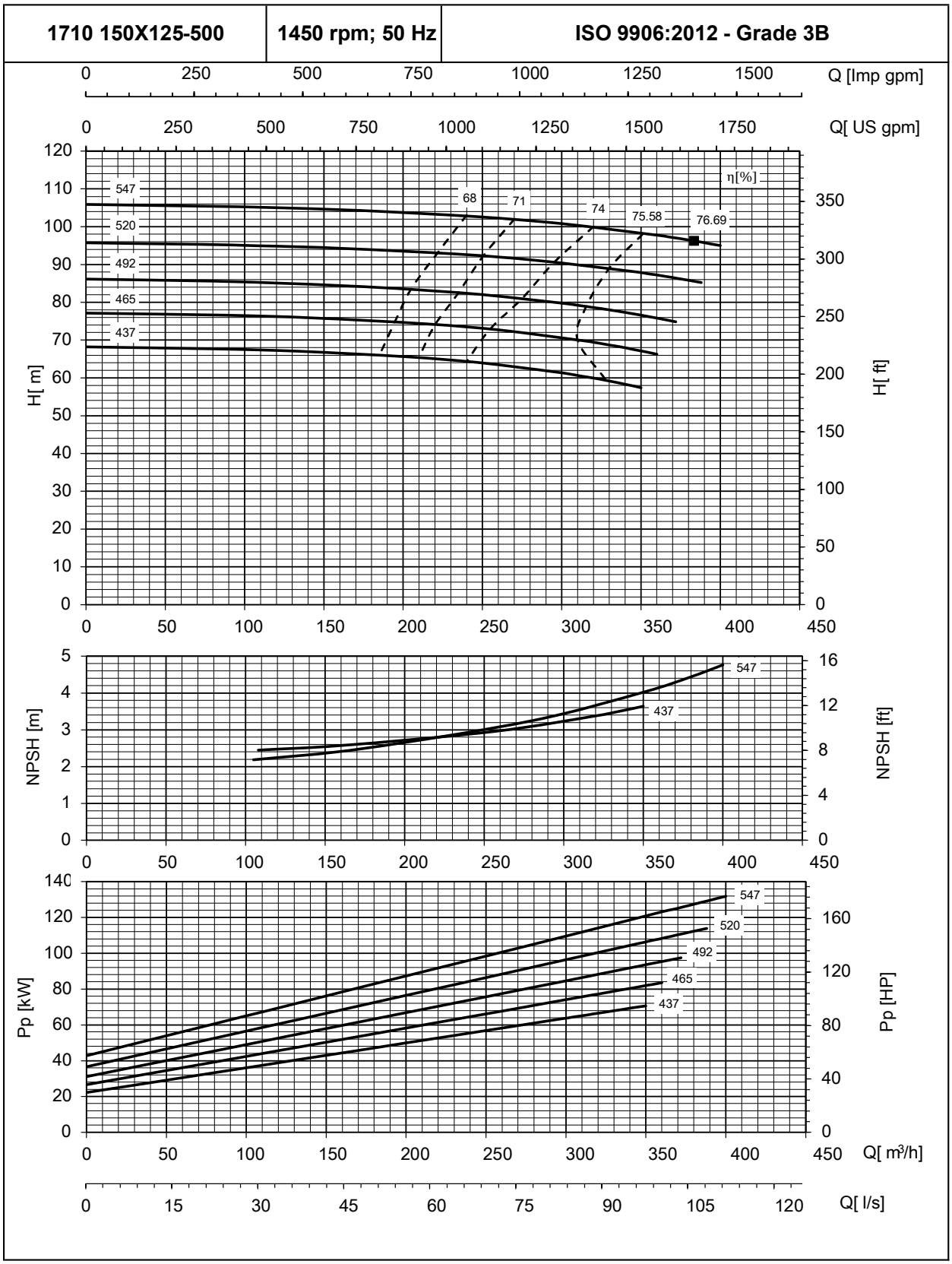


The NPSH values are laboratory values, it is suggested to increase the values by 0.5 m for practical use

These performance curves are valid for liquids with density = 0.1 kg/dm^3 and kinematic viscosity = 1 mm^2/sec.



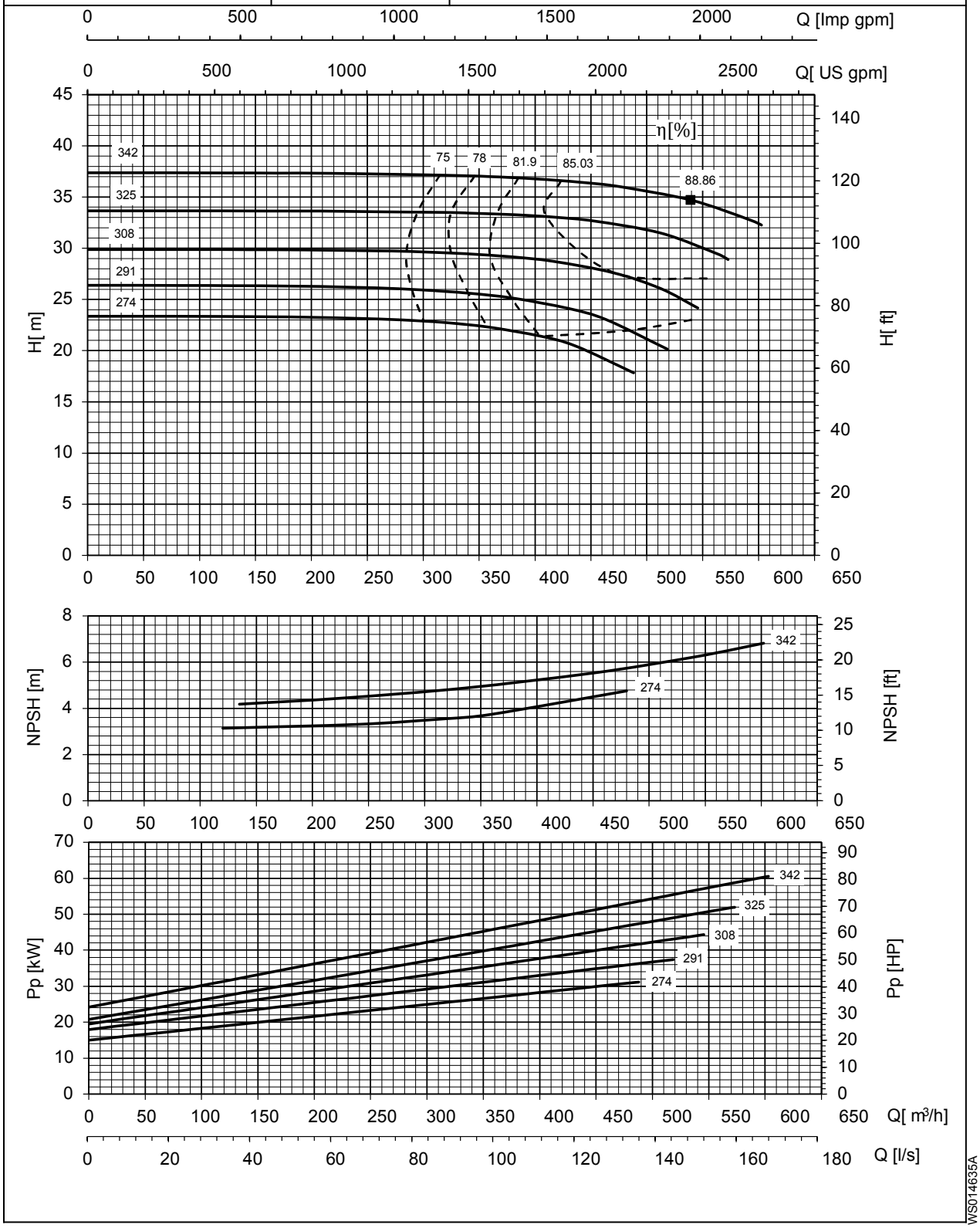
The NPSH values are laboratory values, it is suggested to increase the values by 0.5 m for practical use
These performance curves are valid for liquids with density = 0.1 kg/dm^3 and kinematic viscosity = 1 mm^2/sec.



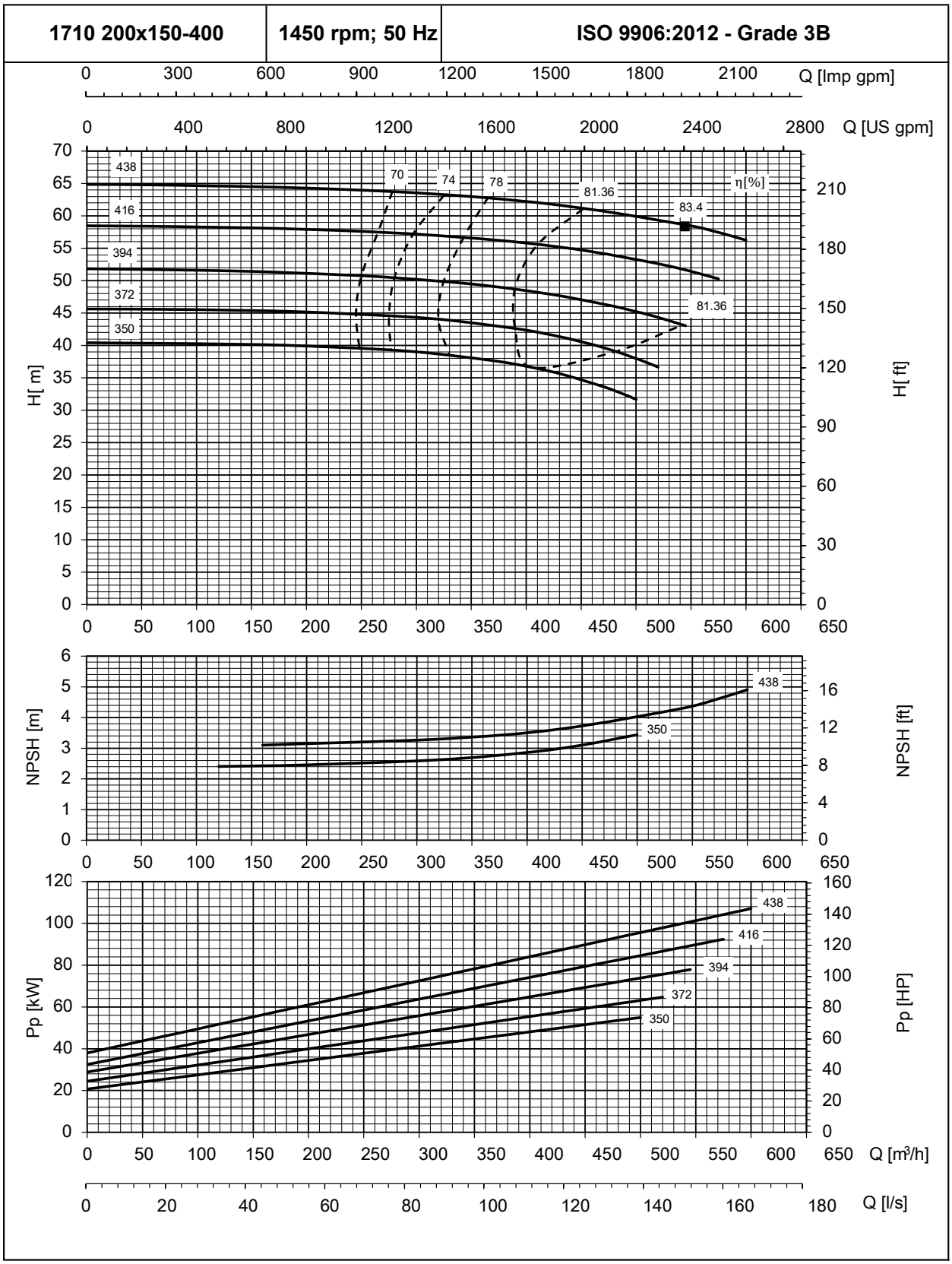
The NPSH values are laboratory values, it is suggested to increase the values by 0.5 m for practical use

These performance curves are valid for liquids with density = 0.1 kg/dm^3 and kinematic viscosity = 1 mm^2/sec.

1710 200x150-315	1450 rpm; 50 Hz	ISO 9906:2012 - Grade 3B



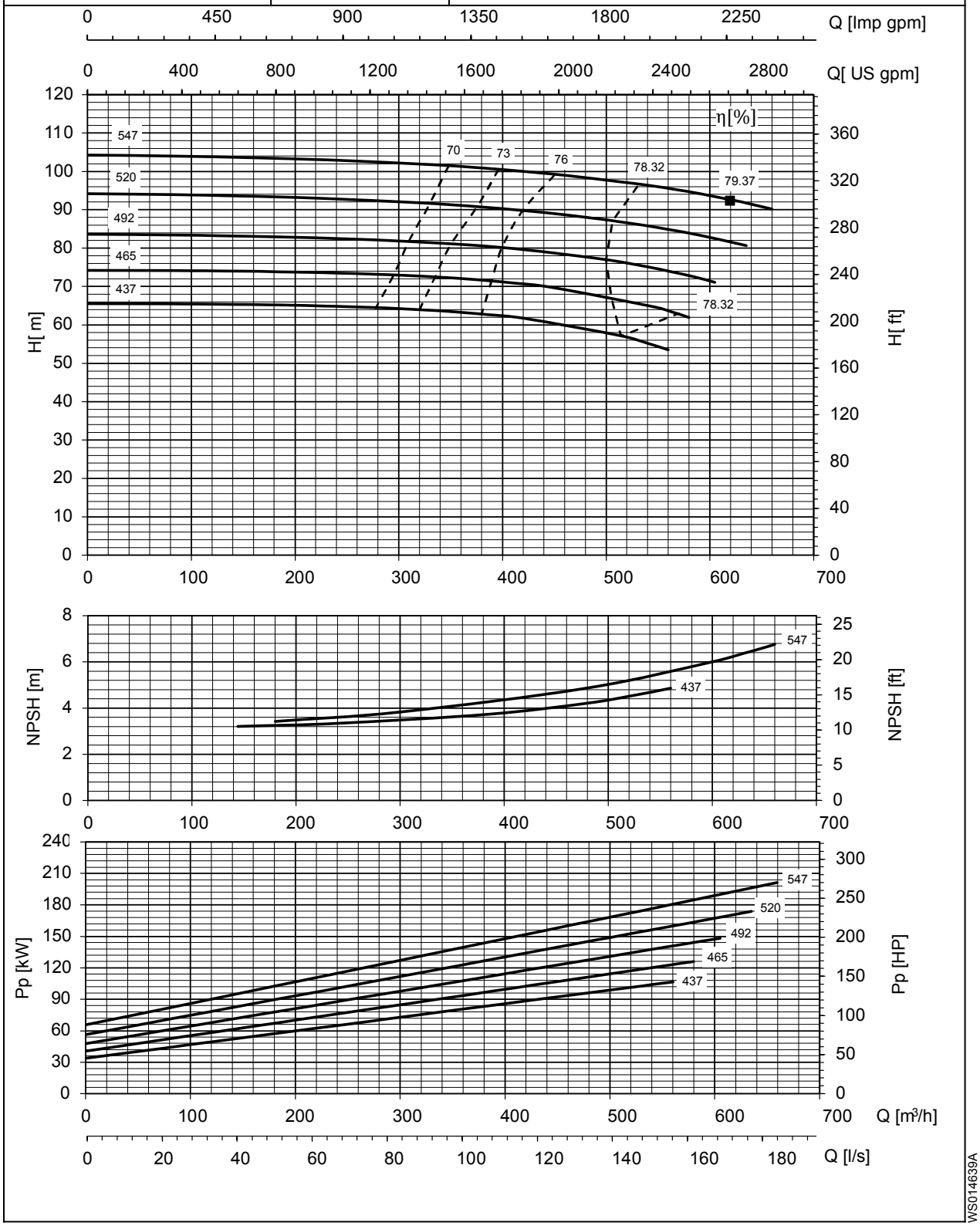
The NPSH values are laboratory values, it is suggested to increase the values by 0.5 m for practical use
These performance curves are valid for liquids with density = 0.1 kg/dm^3 and kinematic viscosity = 1 mm^2/sec.



The NPSH values are laboratory values, it is suggested to increase the values by 0.5 m for practical use

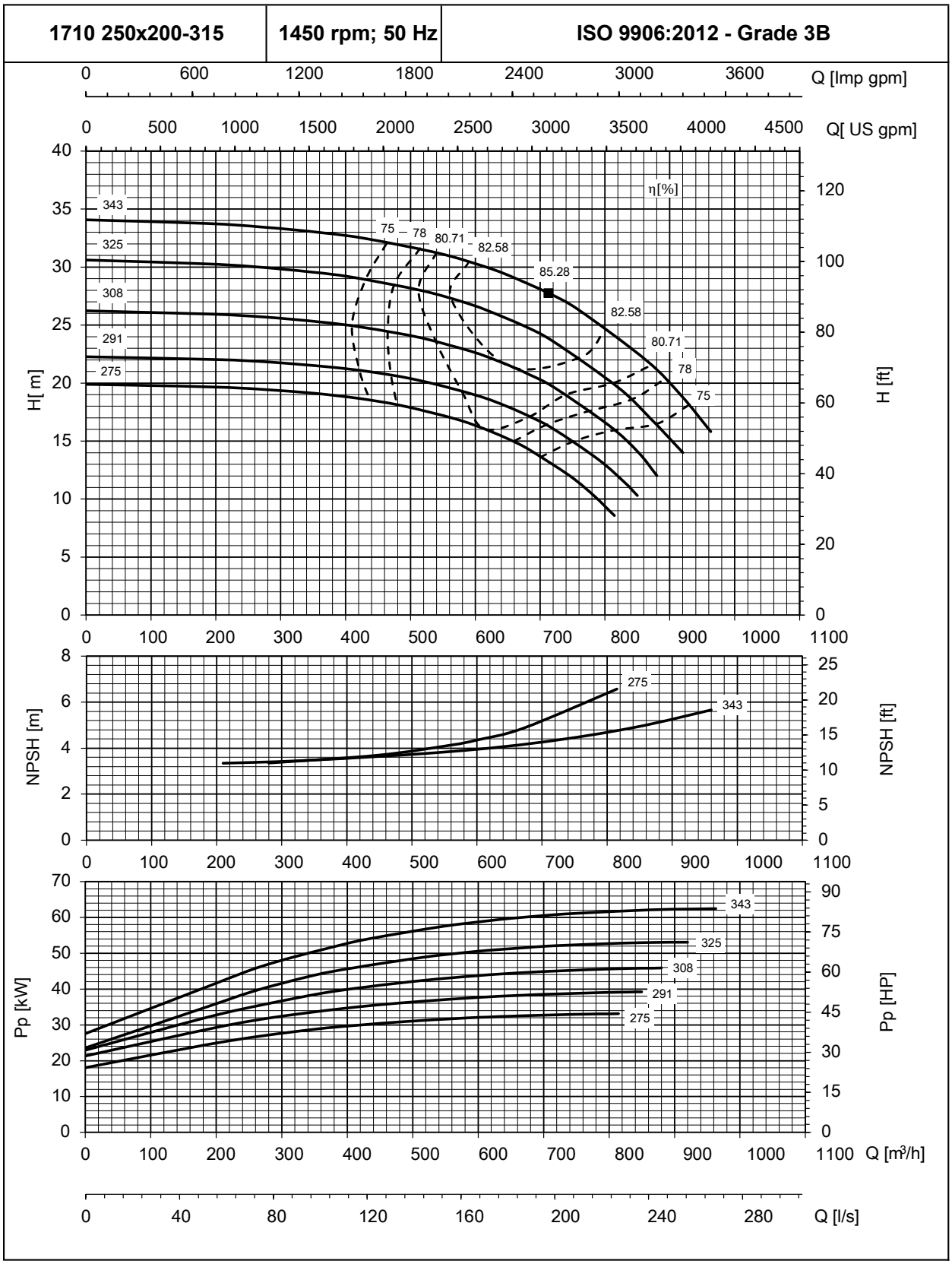
These performance curves are valid for liquids with density = 0.1 kg/dm^3 and kinematic viscosity = 1 mm^2/sec.

1710 200x150-500	1450 rpm; 50 Hz	ISO 9906:2012 - Grade 3B

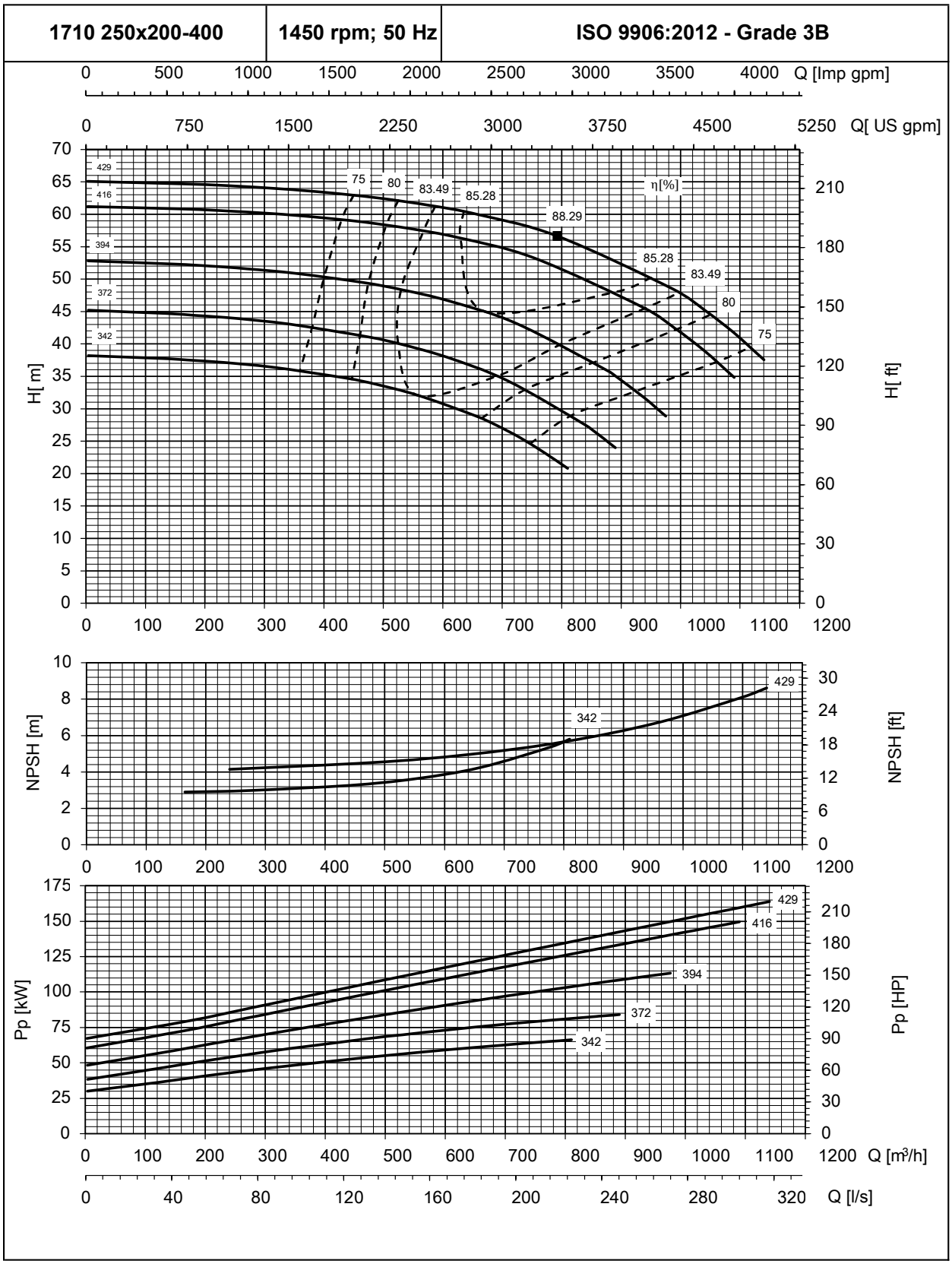


The NPSH values are laboratory values, it is suggested to increase the values by 0.5 m for practical use

These performance curves are valid for liquids with density = 0.1 kg/dm^3 and kinematic viscosity = 1 mm^2/sec.



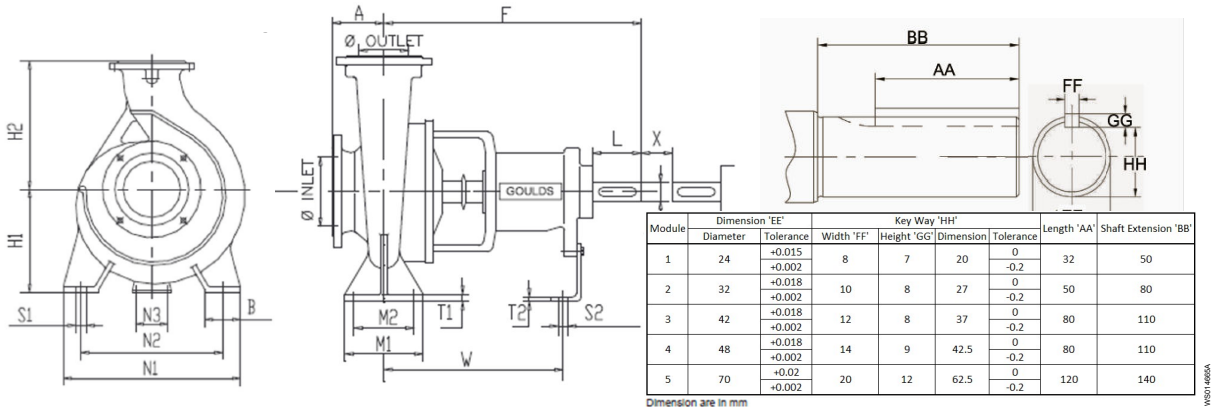
The NPSH values are laboratory values, it is suggested to increase the values by 0.5 m for practical use
These performance curves are valid for liquids with density = 0.1 kg/dm^3 and kinematic viscosity = 1 mm^2/sec.



The NPSH values are laboratory values, it is suggested to increase the values by 0.5 m for practical use

These performance curves are valid for liquids with density = 0.1 kg/dm^3 and kinematic viscosity = 1 mm^2/sec.

1710 End suction centrifugal pump – pump dimension (bare pump)



Module	Dimension 'EE'		Key Way 'HH'				Length 'AA'	Shaft Extension 'BB'
	Diameter	Tolerance	Width 'FF'	Height 'GG'	Dimension	Tolerance		
1	24	+0.015 +0.002	8	7	20	0 -0.2	32	50
2	32	+0.018 +0.002	10	8	27	0 -0.2	50	80
3	42	+0.018 +0.002	12	8	37	0 -0.2	80	110
4	48	+0.018 +0.002	14	9	42.5	0 -0.2	80	110
5	70	+0.02 +0.002	20	12	62.5	0 -0.2	120	140

Dimension are in mm

W501 4665A

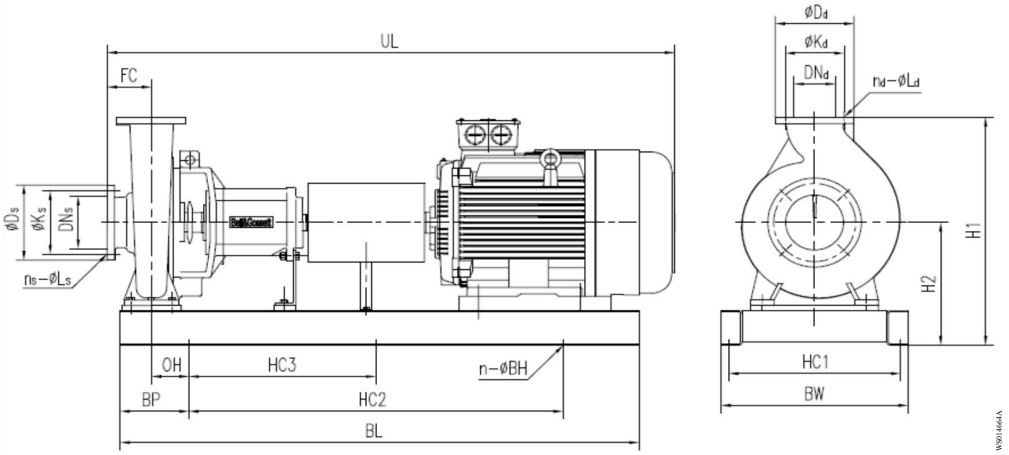
1710 Pump size	Shaft No.	Pump Dimension				Mounting Dimensions								
		A	F	H1	H2	B	M1	M2	N1	N2	N3	T1	T2	W
50X32-160	1	80	385	132	160	50	100	70	240	190	110	12	6	285
50X32-200	1	80	385	160	180	50	100	70	240	190	110	12	6	285
65X40-200	1	100	385	160	180	50	100	70	265	212	110	13	6	285
65X40-250	2	100	500	180	225	65	125	95	320	250	110	14	6	370
65X40-315	2	125	500	200	250	65	125	95	345	280	110	16	6	370
65X50-160	1	80	385	132	160	50	100	70	240	190	110	12	6	285
80X50-200	1	100	385	160	200	50	100	70	265	212	110	13	6	285
80X50-250	2	125	500	180	225	65	125	95	320	250	110	15	6	370
80X50-315	2	125	500	225	280	65	125	95	345	280	110	18	6	370
80X65-160	1	100	385	160	180	50	100	70	265	212	110	13	6	285
100X65-200	2	100	500	180	225	65	125	95	320	250	110	14	6	370
100X65-250	2	125	500	200	250	80	160	120	360	280	110	16	6	370
100X65-315	3	125	530	225	280	80	160	120	400	315	110	18	6	370
100X80-160	2	100	500	160	200	65	125	95	280	212	110	14	6	370
125X80-400	3	125	530	280	355	80	160	120	435	355	110	20	6	370
125X100-200	2	125	500	200	280	80	160	120	360	280	110	17	6	370
125X100-250	3	124	544	225	280	80	160	120	400	315	110	18	6	385
125X100-315	3	140	530	250	315	80	160	120	400	315	110	19	6	370
125X100-400	2	125	500	200	280	80	160	120	360	280	110	17	6	370
150X125-250	3	140	530	250	355	80	160	120	400	315	110	19	6	370
150X125-315	3	140	530	280	355	100	200	150	500	400	110	20	6	370
150X125-400	3	140	530	315	400	100	200	150	500	400	110	21	6	370
150X125-500	4	160	670	355	450	100	200	150	550	450	140	25	10	500
200X150-315	4	160	670	315	400	100	200	150	550	450	140	25	10	500
200X150-400	4	160	670	315	450	100	200	150	550	450	140	25	10	500
200X150-500	4	160	670	400	500	100	200	150	550	450	140	25	10	500
250X200-315	4	180	670	340	450	102	206	155	565	465	140	25	10	500
250X200-400	4	180	687	355	500	100	200	150	550	450	140	25	10	517

Note: All dimensions are in mm.

1710 Pump size	Shaft No.	Bolt Holes		Shaft End		Gap	Weight
		S1	S2	D	L	X	Kg.
50X32-160	1	M12	M12	24	50	100	38
50X32-200	1	M12	M12	24	50	100	46
65X40-200	1	M12	M12	24	50	100	48
65X40-250	2	M12	M12	32	80	100	70
65X40-315	2	M12	M12	32	80	100	80
65X50-160	1	M12	M12	24	50	100	40
80X50-200	1	M12	M12	24	50	100	52
80X50-250	2	M12	M12	32	80	100	72
80X50-315	2	M12	M12	32	80	100	87
80X65-160	1	M12	M12	24	50	100	46
100X65-200	2	M12	M12	32	80	140	70
100X65-250	2	M16	M12	32	80	140	80
100X65-315	3	M16	M12	42	110	140	118
100X80-160	2	M12	M12	32	80	100	68
125X80-400	3	M16	M12	42	110	140	165
125X100-200	2	M16	M12	32	80	140	85
125X100-250	3	M16	M12	42	110	140	126
125X100-315	3	M16	M12	42	110	140	135
125X100-400	2	M16	M12	32	80	140	85
150X125-250	3	M16	M12	42	110	140	140
150X125-315	3	M20	M12	42	110	140	150
150X125-400	3	M20	M12	42	110	140	186
150X125-500	4	M20	M16	48	110	180	336
200X150-315	4	M20	M16	48	110	180	222
200X150-400	4	M20	M16	48	110	180	300
200X150-500	4	M20	M16	48	110	180	382
250X200-315	4	M20	M16	48	110	180	277
250X200-400	4	M20	M16	48	110	180	340

Note: All dimensions are in mm.

1710 End suction centrifugal pump – 1710 pump dimensions (pumpset)



1710 Pump size	Motor Power in kW		Motor frame size	H1	H2	HC1	HC2	HC3	BW	BL	BP	OH	UL	n
	2P	4P												
50X32-160		0.55	80M	367	207	270	430	NA	310	675	125	67	771	4
50X32-160		0.75	80M	367	207	270	430	NA	310	675	125	67	771	4
50X32-160		1.1	90S	367	207	270	430	NA	310	720	130	73	825	4
50X32-160	3		100L	369	209	310	450	NA	350	750	150	93	863	4
50X32-160	4		112M	369	209	310	450	NA	350	760	155	99	883	4
50X32-160	5.5		132S	369	209	310	500	NA	350	810	155	98	960	4
50X32-160	7.5		132S	369	209	310	500	NA	350	810	155	98	960	4
50X32-200		0.55	80M	415	235	270	430	NA	310	675	125	67	771	4
50X32-200		0.75	80M	415	235	270	430	NA	310	675	125	67	771	4
50X32-200		1.1	90S	415	235	270	430	NA	310	720	145	86	796	4
50X32-200		1.5	90L	415	235	270	430	NA	310	720	145	86	821	4
50X32-200		2.2	100L	415	235	270	430	NA	310	750	160	103	863	4
50X32-200	5.5		132S	415	235	310	500	NA	350	810	155	98	960	4
50X32-200	7.5		132S	415	235	310	500	NA	350	810	155	98	960	4
50X32-200	11		160M	432	252	350	580	NA	390	975	175	117	1094	4
50X32-200	15		160M	455	275	350	580	NA	390	975	175	117	1094	4
65x40-200		1.1	90S	415	235	270	430	NA	310	720	145	86	816	4
65x40-200		1.5	90L	415	235	270	430	NA	310	720	145	86	841	4
65x40-200		2.2	100L	415	235	270	430	NA	310	750	160	103	883	4
65x40-200	7.5		132S	415	235	310	500	NA	350	810	155	98	980	4
65x40-200	11		160M	432	252	350	580	NA	390	980	200	140	1114	4
65x40-200	15		160M	432	252	350	580	NA	390	980	200	140	1114	4
65x40-250		1.5	90L	480	255	310	500	NA	350	850	175	102	956	4
65x40-250		2.2	100L	500	275	350	580	NA	390	880	150	79	998	4
65x40-250		3	100L	500	275	350	580	NA	390	880	150	79	998	4
65x40-250		4	112M	500	275	350	580	NA	390	890	155	85	1018	4
65x40-250	11		160M	520	295	400	750	NA	440	1100	175	105	1229	4
65x40-250	15		160M	520	295	400	750	NA	440	1100	175	105	1229	4
65x40-250	18.5		160L	520	295	400	750	NA	440	1100	175	105	1274	4

Note: All dimensions are in mm.

1710 Pump size	Motor Power in kW		Motor frame size	H1	H2	HC1	HC2	HC3	BW	BL	BP	OH	UL	n
	2P	4P												
65x40-250	22		180M	520	295	400	750	NA	440	1115	185	114	1296	4
65x40-250	30		200L	560	335	400	780	NA	450	1190	205	134	1401	4
65X40-315		3	100L	545	295	350	580	NA	390	880	150	79	1023	4
65X40-315		4	112M	545	295	350	580	NA	390	890	155	85	1043	4
65X40-315		5.5	132S	565	315	400	630	NA	440	980	175	104.5	1120	4
65X40-315		7.5	132M	565	315	400	630	NA	440	980	175	104.5	1158	4
65X40-315	22		180M	565	315	400	750	NA	440	1115	185	114	1321	4
65X40-315	30		200L	585	335	400	780	NA	450	1190	205	134	1426	4
65X40-315	37		200L	585	335	400	780	NA	450	1190	205	134	1426	4
65X40-315	45		225M	585	335	450	800	NA	490	1225	215	143	1471	4
65X40-315	55		250M	660	410	500	870	NA	550	1340	235	145	1583	4
65x50-160		0.55	80M	367	207	270	430	NA	310	675	125	67	771	4
65x50-160		0.75	80M	367	207	270	430	NA	310	675	125	67	771	4
65x50-160		1.1	90S	367	207	270	430	NA	310	690	130	73	796	4
65x50-160		1.5	90L	367	207	270	430	NA	310	720	130	73	850	4
65x50-160	4		112M	369	209	310	450	NA	350	760	155	99	883	4
65x50-160	5.5		132S	369	209	310	500	NA	350	810	155	98	960	4
65x50-160	7.5		132S	369	209	310	500	NA	350	810	155	98	960	4
65x50-160	11		160M	435	275	350	580	NA	390	975	175	117	1094	4
80x50-200		1.5	90L	435	235	270	430	NA	310	720	145	86	841	4
80x50-200		2.2	100L	435	235	270	430	NA	310	750	160	103	883	4
80x50-200		3	100L	435	235	270	430	NA	310	750	160	103	883	4
80x50-200		4	112M	435	235	270	430	NA	310	750	160	103	898	4
80x50-200	7.5		132S	435	235	310	500	NA	350	810	155	98	980	4
80x50-200	11		160M	452	252	350	580	NA	390	980	200	140	1114	4
80x50-200	15		160M	452	252	350	580	NA	390	980	200	140	1114	4
80x50-200	18.5		160L	452	252	350	580	NA	390	980	200	140	1159	4
80x50-200	22		180M	475	275	350	580	NA	390	990	205	145	1181	4
80x50-200	30		200L	535	335	400	665	NA	450	1075	205	134	1293	4
80x50-250		3	100L	500	275	350	580	NA	390	880	150	79	1023	4
80x50-250		4	112M	500	275	350	580	NA	390	890	155	85	1043	4
80x50-250		5.5	132S	520	295	400	630	NA	440	980	155	84.5	1120	4
80x50-250		7.5	132M	520	295	400	630	NA	440	980	155	84.5	1158	4
80x50-250	18.5		160L	520	295	400	750	NA	440	1100	175	105	1304	4
80x50-250	22		180M	520	295	400	750	NA	440	1115	185	114	1321	4
80x50-250	30		200L	560	335	400	780	NA	450	1190	205	134	1426	4
80x50-250	37		200L	560	335	400	780	NA	450	1190	205	134	1426	4
80x50-250	45		225M	585	360	450	800	NA	490	1225	215	143	1471	4
80x50-315		4	112M	600	320	350	580	NA	390	890	155	85	1043	4
80x50-315		5.5	132S	620	340	400	630	NA	440	980	175	103	1120	4
80x50-315		7.5	132M	620	340	400	630	NA	440	980	175	103	1160	4
80x50-315		11	160M	620	340	400	750	NA	440	1130	190	104	1284	4

Note: All dimensions are in mm.

1710 Pump size	Motor Power in kW		Motor frame size	H1	H2	HC1	HC2	HC3	BW	BL	BP	OH	UL	n
	2P	4P												
80x50-315	30		200L	645	365	400	780	NA	450	1190	205	134	1426	4
80x50-315	37		200L	645	365	400	780	NA	450	1190	205	134	1426	4
80x50-315	45		225M	640	360	450	800	NA	490	1225	215	143	1471	4
80x50-315	55		250M	690	410	500	870	NA	550	1320	225	154	1583	4
80x50-315	75		280S	720	440	550	880	NA	600	1370	245	173	1655	4
80x65-160		0.75	80M	415	235	270	430	NA	310	675	125	125	791	4
80x65-160		1.1	90S	415	235	270	430	NA	310	720	145	86	816	4
80x65-160		1.5	90L	415	235	270	430	NA	310	720	145	86	841	4
80x65-160	5.5		132S	415	235	310	500	NA	350	810	155	98	980	4
80x65-160	7.5		132S	415	235	310	500	NA	350	810	155	98	980	4
80x65-160	11		160M	432	252	350	580	NA	390	980	200	140	1114	4
80x65-160	15		160M	432	252	350	580	NA	390	980	200	140	1114	4
100x65-200		2.2	100L	500	275	350	580	NA	390	880	150	79	998	4
100x65-200		3	100L	500	275	350	580	NA	390	880	150	79	998	4
100x65-200		4	112M	500	275	350	580	NA	390	890	155	85	1018	4
100x65-200		5.5	132S	520	295	400	630	NA	440	980	155	84.5	1095	4
100x65-200	18.5		160L	520	295	400	750	NA	440	1100	175	105	1274	4
100x65-200	22		180M	520	295	400	750	NA	440	1115	185	114	1296	4
100x65-200	30		200L	560	335	400	780	NA	450	1190	205	134	1401	4
100x65-200	37		200L	560	335	400	780	NA	450	1190	205	134	1401	4
100x65-250		4	112M	545	295	350	580	NA	390	910	165	76	1043	4
100x65-250		5.5	132S	565	315	400	630	NA	440	990	180	94	1120	4
100x65-250		7.5	132M	565	315	400	630	NA	440	990	180	94	1160	4
100x65-250		11	160M	565	315	400	750	NA	440	1130	190	104	1269	4
100x65-250	30		200L	585	335	400	780	NA	450	1210	215	126	1426	4
100x65-250	37		200L	585	335	400	780	NA	450	1210	215	126	1426	4
100x65-250	45		225M	610	360	450	800	NA	490	1240	220	131	1471	4
100x65-250	55		250M	660	410	500	870	NA	550	1340	235	145	1583	4
100x65-250	75		280S	690	440	550	880	NA	600	1440	255	165	1655	4
100x65-315		7.5	132M	620	340	400	630	NA	440	1030	200	111	1190	4
100x65-315		11	160M	620	340	400	750	NA	440	1160	205	118	1284	4
100x65-315		15	160L	620	340	400	750	NA	440	1160	205	118	1329	4
100x65-315		18.5	180M	640	360	400	750	NA	440	1200	225	135	1371	4
100x65-315	55		250M	690	410	500	870	NA	550	1370	250	159	1613	4
100x65-315	75		280S	720	440	550	880	NA	600	1470	295	205	1685	4
100x65-315	90		280M	720	440	550	880	NA	600	1470	295	205	1735	4
100x65-315	110		315S	760	480	620	950	475	670	1620	280	187	1930	6
100x65-315	132		315M	760	480	620	950	475	670	1620	280	187	2040	6
100X80-160		1.5	90L	435	235	310	500	NA	350	850	175	102	956	4
100X80-160		2.2	100L	455	255	350	580	NA	390	880	150	79	998	4
100X80-160		3	100L	455	255	350	580	NA	390	880	150	79	998	40
100X80-160	11		160M	475	275	400	750	NA	440	1100	175	105	1229	4

Note: All dimensions are in mm.

1710 Pump size	Motor Power in kW		Motor frame size	H1	H2	HC1	HC2	HC3	BW	BL	BP	OH	UL	n
	2P	4P												
100X80-160	15		160M	475	275	400	750	NA	440	1100	175	105	1229	4
100X80-160	18.5		160L	475	275	400	750	NA	440	1100	175	105	1274	4
100X80-160	22		180M	475	275	400	750	NA	440	1115	185	114	1296	4
125X80-400		15	160M	755	400	440	750	NA	480	1150	200	112	1329	4
125X80-400		18.5	160L	755	400	440	750	NA	480	1200	225	135	1351	4
125X80-400		22	180M	755	400	440	750	NA	480	1200	225	135	1391	4
125X80-400		30	200L	775	420	500	820	NA	540	1240	210	120	1456	4
125X80-400		37	200L	795	440	500	820	NA	550	1305	230	140	1503	4
125X80-400		45	225M	795	440	500	820	NA	550	1305	230	140	1528	4
125x100-200		4	112M	575	295	350	580	NA	390	910	165	76	1043	4
125x100-200		5.5	132S	595	315	400	630	NA	440	990	180	94	1120	4
125x100-200		7.5	132M	595	315	400	630	NA	440	990	180	94	1160	4
125x100-200		11	160M	595	315	400	750	NA	440	1130	190	104	1269	4
125x100-200	30		200L	615	335	400	780	NA	450	1210	215	126	1426	4
125x100-200	37		200L	615	335	400	780	NA	450	1210	215	126	1426	4
125x100-200	45		225M	640	360	450	800	NA	490	1240	220	131	1471	4
125x100-200	55		250M	690	410	500	870	NA	550	1340	235	145	1583	4
125x100-200	75		280S	720	440	550	880	NA	600	1440	255	165	1655	4
125x100-250		7.5	132M	620	340	400	630	NA	440	1030	200	111	1285	4
125x100-250		11	160M	620	340	400	750	NA	440	1160	205	118	1394	4
125x100-250		15	160L	620	340	400	750	NA	440	1160	205	118	1445	4
125x100-250	55		250M	690	410	500	870	NA	550	1370	250	159	1733	4
125x100-250	75		280S	720	440	550	880	NA	600	1470	295	205	1708	4
125x100-250	90		280M	720	440	550	880	NA	600	1470	295	205	1759	4
125x100-250	110		315S	760	480	620	950	475	670	1620	280	187	1949	6
125x100-250	132		315M	760	480	620	950	475	670	1620	280	187	2059	6
125x100-315		11	160M	680	365	400	750	NA	440	1160	205	118	1299	4
125x100-315		15	160L	680	365	400	750	NA	440	1160	205	118	1344	4
125x100-315		18.5	180M	680	365	400	750	NA	440	1200	225	137	1366	4
125x100-315		22	180L	680	365	400	750	NA	440	1200	225	137	1406	4
125x100-315		30	200L	705	390	500	820	NA	540	1240	210	120	1471	4
125x100-315	90		280M	755	440	550	880	NA	600	1470	295	205	1750	4
125x100-315	110		315S	795	480	620	950	475	670	1610	330	244	1945	6
125x100-315	132		315M	795	480	620	950	475	670	1610	330	244	2015	6
125x100-315	160		315L	795	480	620	950	475	670	1610	330	244	2015	6
125x100-315	200		315L	795	480	620	950	475	670	1610	330	244	2015	6
125X100-400		18.5	160L	775	420	500	820	NA	540	1220	200	90	1366	4
125X100-400		22	180M	775	420	500	820	NA	540	1220	200	90	1406	4
125X100-400		30	200L	775	420	500	820	NA	540	1260	220	110	1471	4
125X100-400		37	200L	795	440	500	820	NA	550	1325	255	145	1518	4
125X100-400		45	225M	795	440	500	820	NA	550	1325	255	145	1543	4
125X100-400		55	250M	795	440	500	870	NA	550	1390	260	150	1628	4

Note: All dimensions are in mm.

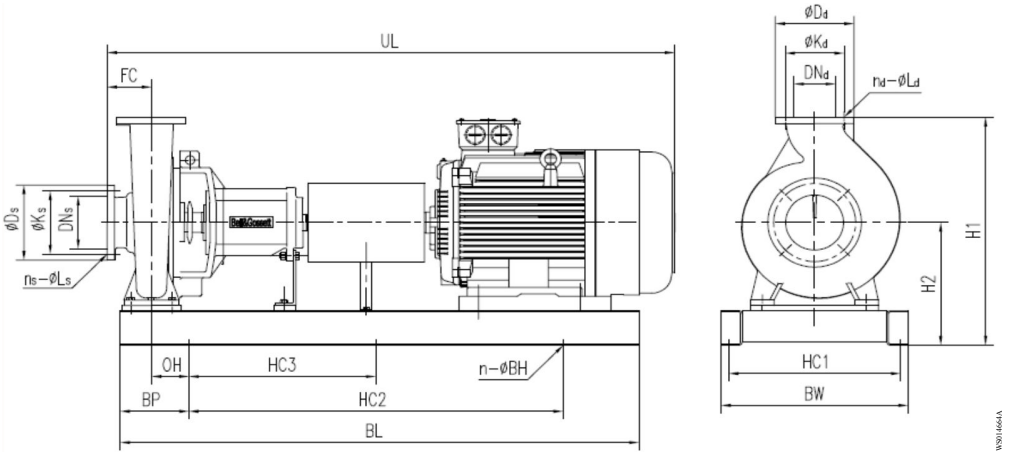
1710 Pump size	Motor Power in kW		Motor frame size	H1	H2	HC1	HC2	HC3	BW	BL	BP	OH	UL	n
	2P	4P												
150x125-250		11	160M	720	365	400	750	NA	440	1160	205	118	1299	4
150x125-250		15	160L	720	365	400	750	NA	440	1160	205	118	1344	4
150x125-250		18.5	180M	720	365	400	750	NA	440	1200	225	137	1366	4
150x125-250		22	180L	720	365	400	750	NA	440	1200	225	137	1406	4
150x125-315		18.5	180M	775	420	500	820	NA	540	1220	200	90	1366	4
150x125-315		22	180L	775	420	500	820	NA	540	1220	200	90	1406	4
150x125-315		30	200L	775	420	500	820	NA	540	1260	220	110	1471	4
150x125-315		37	225S	795	440	500	820	NA	550	1325	255	145	1518	4
150x125-315		45	225M	795	440	500	820	NA	550	1325	255	145	1543	4
150x125-400		30	200L	855	455	500	820	NA	540	1260	220	110	1471	4
150x125-400		37	225S	875	475	500	820	NA	550	1325	250	140	1518	4
150x125-400		45	225M	875	475	500	820	NA	550	1325	250	140	1543	4
150x125-400		55	250M	875	475	500	870	NA	550	1390	260	150	1628	4
150x125-400		75	280S	875	475	550	880	NA	600	1490	280	172	1705	4
150X125-500		55	250M	965	515	550	1050	525	600	1530	240	130	1790	6
150X125-500		75	280S	970	520	550	1050	525	600	1635	300	190	1865	6
150X125-500		90	280M	970	520	550	1050	525	600	1635	300	190	1915	6
150X125-500		110	315S	965	515	630	1140	570	680	1815	325	215	2140	6
150X125-500		132	315M	965	515	630	1140	570	680	1815	325	215	2140	6
200x150-315		30	200L	875	475	550	880	NA	600	1400	260	150	1631	4
200x150-315		37	225S	875	475	550	880	NA	600	1465	300	190	1678	4
200x150-315		45	225M	875	475	550	880	NA	600	1465	300	190	1703	4
200x150-315		55	250M	875	475	550	1050	525	600	1530	240	130	1790	6
200x150-315		75	280S	875	475	550	1050	525	600	1635	300	190	1865	6
200x150-400		45	225M	925	475	550	880	NA	600	1465	300	190	1703	4
200x150-400		55	250M	925	475	550	1050	525	600	1530	240	130	1790	6
200x150-400		75	280S	925	475	550	1050	525	600	1635	300	190	1865	6
200x150-400		90	280M	925	475	550	1050	525	600	1635	300	190	1915	6
200x150-400		110	315S	930	480	630	1140	570	680	1815	285	175	2140	6
200x150-500		75	280S	1060	560	550	1050	525	600	1635	300	190	1865	6
200x150-500		90	280M	1060	560	550	1050	525	600	1635	300	190	1915	6
200x150-500		110	315S	1060	560	630	1140	570	680	1820	340	230	2140	6
200x150-500		132	315M	1060	560	630	1140	570	680	1820	340	230	2140	6
200x150-500		160	315L	1060	560	630	1140	570	680	1820	340	230	2215	6
200x150-500		200	315L	1060	560	630	1140	570	680	1820	340	230	2215	6
250X200-315		30	200L	950	500	550	880	NA	600	1400	260	150	1651	4
250X200-315		37	225S	950	500	550	880	NA	600	1465	300	190	1698	4
250X200-315		45	225M	950	500	550	880	NA	600	1465	300	190	1723	4
250X200-315		55	250M	950	500	550	1050	525	600	1530	240	130	1810	6
250X200-315		75	280S	950	500	550	1050	525	600	1635	300	190	1885	6
250x200-400		75	280S	1020	520	550	1050	525	600	1635	300	190	1885	6
250x200-400		90	280M	1020	520	550	1050	525	600	1635	300	190	1935	6

Note: All dimensions are in mm.

1710 Pump size	Motor Power in kW		Motor frame size	H1	H2	HC1	HC2	HC3	BW	BL	BP	OH	UL	n
	2P	4P												
250x200-400		110	315S	1015	515	630	1140	570	680	1815	325	215	2160	6
250x200-400		132	315M	1015	515	630	1140	570	680	1815	325	215	2160	6
250x200-400		160	315L	1015	515	630	1140	570	680	1815	325	215	2235	6

Note: All dimensions are in mm.

1710 End suction centrifugal pump – 1710 pump dimensions (pumpset)



1710 Pump size	Motor Power in kW		Motor frame size	Øbh	FC	DNs	DNd	Ds	Ks	Ls	ns	Dd	Kd	Ld	nd
	2P	4P													
50X32-160		0.55	80M	14	80	50	32	165	125	18	4	140	100	18	4
50X32-160		0.75	80M	14	80	50	32	165	125	18	4	140	100	18	4
50X32-160		1.1	90S	14	80	50	32	165	125	18	4	140	100	18	4
50X32-160	3		100L	14	80	50	32	165	125	18	4	140	100	18	4
50X32-160	4		112M	14	80	50	32	165	125	18	4	140	100	18	4
50X32-160	5.5		132S	14	80	50	32	165	125	18	4	140	100	18	4
50X32-160	7.5		132S	14	80	50	32	165	125	18	4	140	100	18	4
50X32-200		0.55	80M	14	80	50	32	165	125	18	4	140	100	18	4
50X32-200		0.75	80M	14	80	50	32	165	125	18	4	140	100	18	4
50X32-200		1.1	90S	14	80	50	32	165	125	18	4	140	100	18	4
50X32-200		1.5	90L	14	80	50	32	165	125	18	4	140	100	18	4
50X32-200		2.2	100L	14	80	50	32	165	125	18	4	140	100	18	4
50X32-200	5.5		132S	14	80	50	32	165	125	18	4	140	100	18	4
50X32-200	7.5		132S	14	80	50	32	165	125	18	4	140	100	18	4
50X32-200	11		160M	14	80	50	32	165	125	18	4	140	100	18	4
50X32-200	15		160M	14	80	50	32	165	125	18	4	140	100	18	4
65x40-200		1.1	90S	14	100	65	40	185	145	18	4	150	110	18	4
65x40-200		1.5	90L	14	100	65	40	185	145	18	4	150	110	18	4
65x40-200		2.2	100L	14	100	65	40	185	145	18	4	150	110	18	4
65x40-200	7.5		132S	14	100	65	40	185	145	18	4	150	110	18	4
65x40-200	11		160M	14	100	65	40	185	145	18	4	150	110	18	4
65x40-200	15		160M	14	100	65	40	185	145	18	4	150	110	18	4
65x40-250		1.5	90L	14	100	65	40	185	145	18	4	150	110	18	4
65x40-250		2.2	100L	14	100	65	40	185	145	18	4	150	110	18	4
65x40-250		3	100L	14	100	65	40	185	145	18	4	150	110	18	4
65x40-250		4	112M	14	100	65	40	185	145	18	4	150	110	18	4
65x40-250	11		160M	18	100	65	40	185	145	18	4	150	110	18	4
65x40-250	15		160M	18	100	65	40	185	145	18	4	150	110	18	4
65x40-250	18.5		160L	18	100	65	40	185	145	18	4	150	110	18	4

Note: All dimensions are in mm.

1710 Pump size	Motor Power in kW		Motor frame size	Øbh	FC	DNs	DNd	Ds	Ks	Ls	ns	Dd	Kd	Ld	nd
	2P	4P													
65x40-250	22		180M	18	100	65	40	185	145	18	4	150	110	18	4
65x40-250	30		200L	22	100	65	40	185	145	18	4	150	110	18	4
65X40-315		3	100L	14	125	65	40	185	145	18	4	150	110	18	4
65X40-315		4	112M	14	125	65	40	185	145	18	4	150	110	18	4
65X40-315		5.5	132S	18	125	65	40	185	145	18	4	150	110	18	4
65X40-315		7.5	132M	18	125	65	40	185	145	18	4	150	110	18	4
65X40-315	22		180M	18	125	65	40	185	145	18	4	150	110	18	4
65X40-315	30		200L	22	125	65	40	185	145	18	4	150	110	18	4
65X40-315	37		200L	22	125	65	40	185	145	18	4	150	110	18	4
65X40-315	45		225M	22	125	65	40	185	145	18	4	150	110	18	4
65X40-315	55		250M	28	125	65	40	185	145	18	4	150	110	18	4
65x50-160		0.55	80M	14	80	65	40	185	145	18	4	150	110	18	4
65x50-160		0.75	80M	14	80	65	40	185	145	18	4	150	110	18	4
65x50-160		1.1	90S	14	80	65	40	185	145	18	4	150	110	18	4
65x50-160		1.5	90L	14	80	65	40	185	145	18	4	150	110	18	4
65x50-160	4		112M	14	80	65	40	185	145	18	4	150	110	18	4
65x50-160	5.5		132S	14	80	65	40	185	145	18	4	150	110	18	4
65x50-160	7.5		132S	14	80	65	40	185	145	18	4	150	110	18	4
65x50-160	11		160M	14	80	65	40	185	145	18	4	150	110	18	4
80x50-200		1.5	90L	14	100	80	50	200	160	18	8	165	125	18	4
80x50-200		2.2	100L	14	100	80	50	200	160	18	8	165	125	18	4
80x50-200		3	100L	14	100	80	50	200	160	18	8	165	125	18	4
80x50-200		4	112M	14	100	80	50	200	160	18	8	165	125	18	4
80x50-200	7.5		132S	14	100	80	50	200	160	18	8	165	125	18	4
80x50-200	11		160M	14	100	80	50	200	160	18	8	165	125	18	4
80x50-200	15		160M	14	100	80	50	200	160	18	8	165	125	18	4
80x50-200	18.5		160L	14	100	80	50	200	160	18	8	165	125	18	4
80x50-200	22		180M	14	100	80	50	200	160	18	8	165	125	18	4
80x50-200	30		200L	22	100	80	50	200	160	18	8	165	125	18	4
80x50-250		3	100L	14	125	80	50	200	160	18	8	165	125	18	4
80x50-250		4	112M	14	125	80	50	200	160	18	8	165	125	18	4
80x50-250		5.5	132S	18	125	80	50	200	160	18	8	165	125	18	4
80x50-250		7.5	132M	18	125	80	50	200	160	18	8	165	125	18	4
80x50-250	18.5		160L	18	125	80	50	200	160	18	8	165	125	18	4
80x50-250	22		180M	18	125	80	50	200	160	18	8	165	125	18	4
80x50-250	30		200L	22	125	80	50	200	160	18	8	165	125	18	4
80x50-250	37		200L	22	125	80	50	200	160	18	8	165	125	18	4
80x50-250	45		225M	22	125	80	50	200	160	18	8	165	125	18	4
80x50-315		4	112M	14	125	80	50	200	160	18	8	165	125	18	4
80x50-315		5.5	132S	18	125	80	50	200	160	18	8	165	125	18	4
80x50-315		7.5	132M	18	125	80	50	200	160	18	8	165	125	18	4
80x50-315		11	160M	18	125	80	50	200	160	18	8	165	125	18	4

Note: All dimensions are in mm.

1710 Pump size	Motor Power in kW		Motor frame size	Øbh	FC	DNs	DNd	Ds	Ks	Ls	ns	Dd	Kd	Ld	nd
	2P	4P													
80x50-315	30		200L	22	125	80	50	200	160	18	8	165	125	18	4
80x50-315	37		200L	22	125	80	50	200	160	18	8	165	125	18	4
80x50-315	45		225M	22	125	80	50	200	160	18	8	165	125	18	4
80x50-315	55		250M	28	125	80	50	200	160	18	8	165	125	18	4
80x50-315	75		280S	28	125	80	50	200	160	18	8	165	125	18	4
80x65-160		0.75	80M	14	100	80	65	200	160	18	8	185	145	18	4
80x65-160		1.1	90S	14	100	80	65	200	160	18	8	185	145	18	4
80x65-160		1.5	90L	14	100	80	65	200	160	18	8	185	145	18	4
80x65-160	5.5		132S	14	100	80	65	200	160	18	8	185	145	18	4
80x65-160	7.5		132S	14	100	80	65	200	160	18	8	185	145	18	4
80x65-160	11		160M	14	100	80	65	200	160	18	8	185	145	18	4
80x65-160	15		160M	14	100	80	65	200	160	18	8	185	145	18	4
100x65-200		2.2	100L	14	100	100	65	220	180	18	8	185	145	18	4
100x65-200		3	100L	14	100	100	65	220	180	18	8	185	145	18	4
100x65-200		4	112M	14	100	100	65	220	180	18	8	185	145	18	4
100x65-200		5.5	132S	18	100	100	65	220	180	18	8	185	145	18	4
100x65-200	18.5		160L	18	100	100	65	220	180	18	8	185	145	18	4
100x65-200	22		180M	18	100	100	65	220	180	18	8	185	145	18	4
100x65-200	30		200L	22	100	100	65	220	180	18	8	185	145	18	4
100x65-200	37		200L	22	100	100	65	220	180	18	8	185	145	18	4
100x65-250		4	112M	14	125	100	65	220	180	18	8	185	145	18	4
100x65-250		5.5	132S	18	125	100	65	220	180	18	8	185	145	18	4
100x65-250		7.5	132M	18	125	100	65	220	180	18	8	185	145	18	4
100x65-250		11	160M	18	125	100	65	220	180	18	8	185	145	18	4
100x65-250	30		200L	22	125	100	65	220	180	18	8	185	145	18	4
100x65-250	37		200L	22	125	100	65	220	180	18	8	185	145	18	4
100x65-250	45		225M	22	125	100	65	220	180	18	8	185	145	18	4
100x65-250	55		250M	28	125	100	65	220	180	18	8	185	145	18	4
100x65-250	75		280S	28	125	100	65	220	180	18	8	185	145	18	4
100x65-315		7.5	132M	18	125	100	65	220	180	18	8	185	145	18	4
100x65-315		11	160M	18	125	100	65	220	180	18	8	185	145	18	4
100x65-315		15	160L	18	125	100	65	220	180	18	8	185	145	18	4
100x65-315		18.5	180M	18	125	100	65	220	180	18	8	185	145	18	4
100x65-315	55		250M	28	125	100	65	220	180	18	8	185	145	18	4
100x65-315	75		280S	28	125	100	65	220	180	18	8	185	145	18	4
100x65-315	90		280M	28	125	100	65	220	180	18	8	185	145	18	4
100x65-315	110		315S	28	125	100	65	220	180	18	8	185	145	18	4
100x65-315	132		315M	28	125	100	65	220	180	18	8	185	145	18	4
100X80-160		1.5	90L	14	100	100	80	220	180	18	8	200	160	18	8
100X80-160		2.2	100L	14	100	100	80	220	180	18	8	200	160	18	8
100X80-160		3	100L	14	100	100	80	220	180	18	8	200	160	18	8
100X80-160	11		160M	18	100	100	80	220	180	18	8	200	160	18	8

Note: All dimensions are in mm.

1710 Pump size	Motor Power in kW		Motor frame size	Øbh	FC	DNs	DNd	Ds	Ks	Ls	ns	Dd	Kd	Ld	nd
	2P	4P													
100X80-160	15		160M	18	100	100	80	220	180	18	8	200	160	18	8
100X80-160	18.5		160L	18	100	100	80	220	180	18	8	200	160	18	8
100X80-160	22		180M	18	100	100	80	220	180	18	8	200	160	18	8
125X80-400		15	160M	18	125	125	80	250	210	18	8	200	160	18	8
125X80-400		18.5	160L	18	125	125	80	250	210	18	8	200	160	18	8
125X80-400		22	180M	18	125	125	80	250	210	18	8	200	160	18	8
125X80-400		30	200L	22	125	125	80	250	210	18	8	200	160	18	8
125X80-400		37	200L	28	125	125	80	250	210	18	8	200	160	18	8
125X80-400		45	225M	28	125	125	80	250	210	18	8	200	160	18	8
125x100-200		4	112M	14	125	125	100	250	210	18	8	220	180	18	8
125x100-200		5.5	132S	18	125	125	100	250	210	18	8	220	180	18	8
125x100-200		7.5	132M	18	125	125	100	250	210	18	8	220	180	18	8
125x100-200		11	160M	18	125	125	100	250	210	18	8	220	180	18	8
125x100-200	30		200L	22	125	125	100	250	210	18	8	220	180	18	8
125x100-200	37		200L	22	125	125	100	250	210	18	8	220	180	18	8
125x100-200	45		225M	22	125	125	100	250	210	18	8	220	180	18	8
125x100-200	55		250M	28	125	125	100	250	210	18	8	220	180	18	8
125x100-200	75		280S	28	125	125	100	250	210	18	8	220	180	18	8
125x100-250		7.5	132M	18	124	125	100	250	210	18	8	220	180	18	8
125x100-250		11	160M	18	124	125	100	250	210	18	8	220	180	18	8
125x100-250		15	160L	18	124	125	100	250	210	18	8	220	180	18	8
125x100-250	55		250M	28	124	125	100	250	210	18	8	220	180	18	8
125x100-250	75		280S	28	124	125	100	250	210	18	8	220	180	18	8
125x100-250	90		280M	28	124	125	100	250	210	18	8	220	180	18	8
125x100-250	110		315S	28	124	125	100	250	210	18	8	220	180	18	8
125x100-250	132		315M	28	124	125	100	250	210	18	8	220	180	18	8
125x100-315		11	160M	18	140	125	100	250	210	18	8	220	180	18	8
125x100-315		15	160L	18	140	125	100	250	210	18	8	220	180	18	8
125x100-315		18.5	180M	18	140	125	100	250	210	18	8	220	180	18	8
125x100-315		22	180L	18	140	125	100	250	210	18	8	220	180	18	8
125x100-315		30	200L	22	140	125	100	250	210	18	8	220	180	18	8
125x100-315	90		280M	28	140	125	100	250	210	18	8	220	180	18	8
125x100-315	110		315S	28	140	125	100	250	210	18	8	220	180	18	8
125x100-315	132		315M	28	140	125	100	250	210	18	8	220	180	18	8
125x100-315	160		315L	28	140	125	100	250	210	18	8	220	180	18	8
125x100-315	200		315L	28	140	125	100	250	210	18	8	220	180	18	8
125X100-400		18.5	160L	22	140	125	100	250	210	18	8	220	180	18	8
125X100-400		22	180M	22	140	125	100	250	210	18	8	220	180	18	8
125X100-400		30	200L	22	140	125	100	250	210	18	8	220	180	18	8
125X100-400		37	200L	28	140	125	100	250	210	18	8	220	180	18	8
125X100-400		45	225M	28	140	125	100	250	210	18	8	220	180	18	8
125X100-400		55	250M	28	140	125	100	250	210	18	8	220	180	18	8

Note: All dimensions are in mm.

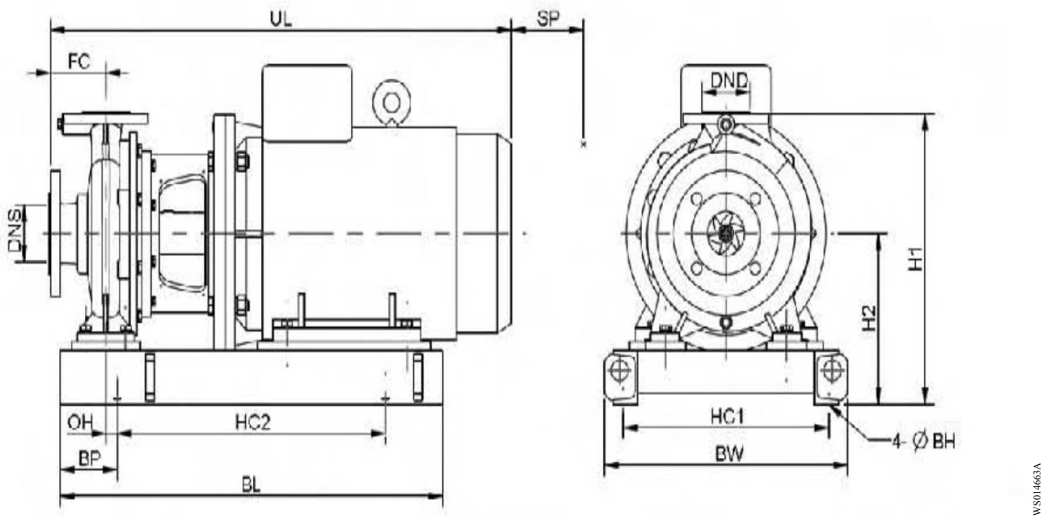
1710 Pump size	Motor Power in kW		Motor frame size	Øbh	FC	DNs	DNd	Ds	Ks	Ls	ns	Dd	Kd	Ld	nd
	2P	4P													
150x125-250		11	160M	18	140	150	125	285	240	22	8	250	210	18	8
150x125-250		15	160L	18	140	150	125	285	240	22	8	250	210	18	8
150x125-250		18.5	180M	18	140	150	125	285	240	22	8	250	210	18	8
150x125-250		22	180L	18	140	150	125	285	240	22	8	250	210	18	8
150x125-315		18.5	180M	22	140	150	125	285	240	22	8	250	210	18	8
150x125-315		22	180L	22	140	150	125	285	240	22	8	250	210	18	8
150x125-315		30	200L	22	140	150	125	285	240	22	8	250	210	18	8
150x125-315		37	225S	28	140	150	125	285	240	22	8	250	210	18	8
150x125-315		45	225M	28	140	150	125	285	240	22	8	250	210	18	8
150x125-400		30	200L	22	140	150	125	285	240	22	8	250	210	18	8
150x125-400		37	225S	28	140	150	125	285	240	22	8	250	210	18	8
150x125-400		45	225M	28	140	150	125	285	240	22	8	250	210	18	8
150x125-400		55	250M	28	140	150	125	285	240	22	8	250	210	18	8
150x125-400		75	280S	28	140	150	125	285	240	22	8	250	210	18	8
150X125-500		55	250M	28	160	150	125	285	240	22	8	250	210	18	8
150X125-500		75	280S	28	160	150	125	285	240	22	8	250	210	18	8
150X125-500		90	280M	28	160	150	125	285	240	22	8	250	210	18	8
150X125-500		110	315S	28	160	150	125	285	240	22	8	250	210	18	8
150X125-500		132	315M	28	160	150	125	285	240	22	8	250	210	18	8
200x150-315		30	200L	28	160	200	150	340	295	22	12	285	240	22	8
200x150-315		37	225S	28	160	200	150	340	295	22	12	285	240	22	8
200x150-315		45	225M	28	160	200	150	340	295	22	12	285	240	22	8
200x150-315		55	250M	28	160	200	150	340	295	22	12	285	240	22	8
200x150-315		75	280S	28	160	200	150	340	295	22	12	285	240	22	8
200x150-400		45	225M	28	160	200	150	340	295	22	12	285	240	22	8
200x150-400		55	250M	28	160	200	150	340	295	22	12	285	240	22	8
200x150-400		75	280S	28	160	200	150	340	295	22	12	285	240	22	8
200x150-400		90	280M	28	160	200	150	340	295	22	12	285	240	22	8
200x150-400		110	315S	28	160	200	150	340	295	22	12	285	240	22	8
200x150-500		75	280S	28	160	200	150	340	295	22	12	285	240	22	8
200x150-500		90	280M	28	160	200	150	340	295	22	12	285	240	22	8
200x150-500		110	315S	28	160	200	150	340	295	22	12	285	240	22	8
200x150-500		132	315M	28	160	200	150	340	295	22	12	285	240	22	8
200x150-500		160	315L	28	160	200	150	340	295	22	12	285	240	22	8
200x150-500		200	315L	28	160	200	150	340	295	22	12	285	240	22	8
250X200-315		30	200L	28	180	250	200	405	355	28	12	340	295	22	12
250X200-315		37	225S	28	180	250	200	405	355	28	12	340	295	22	12
250X200-315		45	225M	28	180	250	200	405	355	28	12	340	295	22	12
250X200-315		55	250M	28	180	250	200	405	355	28	12	340	295	22	12
250X200-315		75	280S	28	180	250	200	405	355	28	12	340	295	22	12
250x200-400		75	280S	28	180	250	200	405	355	28	12	340	295	22	12
250x200-400		90	280M	28	180	250	200	405	355	28	12	340	295	22	12

Note: All dimensions are in mm.

1710 Pump size	Motor Power in kW		Motor frame size	Øbh	FC	DNs	DNd	Ds	Ks	Ls	ns	Dd	Kd	Ld	nd
	2P	4P													
250x200-400		110	315S	28	180	250	200	405	355	28	12	340	295	22	12
250x200-400		132	315M	28	180	250	200	405	355	28	12	340	295	22	12
250x200-400		160	315L	28	180	250	200	405	355	28	12	340	295	22	12

Note: All dimensions are in mm.

1710 End suction centrifugal pump (stub shaft) – pump dimensions (pumpset)



1710 Pump size	Motor Power in kW		Motor frame size	H1	H2	HC1	HC2	BW	BL	BP	BH
	2p	4p									
50x32-160		0.75	80M	367	207	260	300	320	410	40	14
50x32-160		1.1	90S	367	207	360	300	320	410	40	14
50X32-160	3		100L	369	209	260	340	320	480	50	14
50X32-160	4		112M	369	209	270	340	330	490	50	14
50X32-160	5.5		132S	369	209	300	350	360	540	60	14
50X32-160	7.5		132S	369	209	300	350	360	540	60	14
50x32-200		0.75	80M	415	235	270	290	330	400	40	14
50X32-200		1.1	90S	415	235	260	300	320	420	40	14
50x32-200		2.2	100L	415	235	260	300	320	480	40	14
50x32-200	5.5		132S	415	235	280	400	340	530	50	14
50x32-200	7.5		132S	415	235	280	400	340	530	50	14
50x32-200	11		160M	432	252	350	450	416	670	100	14
50x32-200	15		160M	432	252	350	450	416	670	100	14
65x40-200		1.1	90S	415	235	280	300	340	410	40	14
65x40-200		1.5	90L	415	235	280	350	340	440	40	14
65x40-200		2.2	100L	415	235	280	350	340	470	40	14
65x40-200	7.5		132S	415	235	300	370	360	530	50	14
65x40-200	11		160M	432	252	360	470	426	670	100	14
65x40-200	15		160M	432	252	360	470	426	670	100	14
65X40-250		1.1	90S	480	255	320	280	380	430	120	14
65X40-250		1.5	90L	500	275	320	280	380	460	120	14
65X40-250		2.2	100L	500	275	330	330	396	490	120	14
65X40-250		3	100L	500	275	330	330	396	490	120	14
65X40-250		4	112M	500	275	330	320	396	500	120	14
65X40-250	11		160M	520	295	360	450	436	670	100	18
65X40-250	15		160M	520	295	360	450	436	670	100	18
65X40-250	18.5		160L	520	295	360	500	436	710	100	18

Note: All dimensions are in mm.

1710 Pump size	Motor Power in kW		Motor frame size	H1	H2	HC1	HC2	BW	BL	BP	BH
	2p	4p									
65X40-250	22		180M	520	295	400	450	466	750	100	18
65X40-250	30		200L	560	335	440	450	516	820	150	22
65X40-315		2.2	100L	545	295	350	250	416	510	120	14
65X40-315		3	100L	545	295	350	250	416	510	120	14
65X40-315		4	112M	545	295	350	250	416	510	120	14
65X40-315		5.5	132S	565	315	370	250	436	510	120	18
65X40-315		7.5	132M	565	315	370	350	436	590	120	18
65X40-315	22		180M	565	315	380	450	446	720	100	18
65X40-315	30		200L	585	335	420	530	496	800	100	22
65X40-315	37		200L	585	335	420	530	496	800	100	22
65X40-315	45		225M	585	335	470	550	536	840	100	22
65X50-160		0.75	80M	367	207	260	300	320	410	40	14
65X50-160		1.1	90S	367	207	360	300	320	410	40	14
65X50-160		1.5	90L	367	207	360	300	320	440	40	14
65X50-160	4		112M	369	209	270	340	330	490	50	14
65X50-160	5.5		132S	369	209	300	350	360	540	60	14
65X50-160	7.5		132S	369	209	300	350	360	540	60	14
65X50-160	11		160M	435	275	360	470	426	670	100	14
80x50-200		1.5	90L	435	235	280	350	340	440	40	14
80x50-200		2.2	100L	435	235	280	350	340	470	40	14
80x50-200		3	100L	435	235	280	350	340	470	40	14
80x50-200		4	112M	435	235	280	350	340	470	40	14
80x50-200	7.5		132S	435	235	300	370	360	530	50	14
80x50-200	11		160M	452	252	360	470	426	670	100	14
80x50-200	15		160M	452	252	360	470	426	670	100	14
80x50-200	18.5		160L	452	252	330	520	396	720	80	14
80x50-200	22		180M	475	275	390	450	456	720	100	14
80x50-250		3	100L	500	275	330	330	396	490	120	14
80x50-250		4	112M	500	275	330	320	396	500	120	14
80x50-250		5.5	132S	520	295	330	310	406	540	120	18
80x50-250		7.5	132M	520	295	330	310	406	580	120	18
80x50-250	18.5		160L	520	295	360	500	436	710	100	18
80x50-250	22		180M	520	295	400	450	466	750	100	18
80x50-250	30		200L	560	335	440	450	516	820	150	22
80x50-250	37		200L	560	335	440	450	516	820	150	22
80x50-250	45		225M	585	360	470	500	546	820	150	22
80x50-315		4	112M	600	320	360	270	426	510	120	18
80x50-315		5.5	132S	620	340	360	400	426	540	50	18
80x50-315		7.5	132M	620	340	360	400	426	580	50	18
80x50-315		11	160M	620	340	360	460	436	670	80	18
80x50-315	30		200L	645	365	420	600	496	800	100	22
80x50-315	37		200L	645	365	420	600	496	800	100	22

Note: All dimensions are in mm.

1710 Pump size	Motor Power in kW		Motor frame size	H1	H2	HC1	HC2	BW	BL	BP	BH
	2p	4p									
80x50-315	45		225M	640	360	460	550	536	810	100	22
80x50-315	55		250M	690	410	550	600	630	950	150	28
80x50-315	75		280S	720	440	590	680	670	1000	150	28
80x65-160		1.1	90S	415	235	280	300	340	410	40	14
80x65-160		1.5	90L	415	235	280	350	340	440	40	14
80x65-160	5.5		132S	415	235	300	370	360	530	50	14
80x65-160	7.5		132S	415	235	300	370	360	530	50	14
80x65-160	11		160M	432	252	360	470	426	670	100	14
80x65-160	15		160M	432	252	360	470	426	670	100	14
100x65-200		2.2	100L	500	275	330	330	396	490	120	14
100x65-200		3	100L	500	275	330	330	396	490	120	14
100x65-200		4	112M	500	275	330	320	396	500	120	14
100x65-200		5.5	132S	520	295	330	310	406	540	120	18
100x65-200	15		160M	520	295	360	450	436	670	100	18
100x65-200	18.5		160L	520	295	360	500	436	710	100	18
100x65-200	22		180M	520	295	400	450	466	750	100	18
100x65-200	30		200L	560	335	440	450	516	820	150	22
100x65-200	37		200L	560	335	440	450	516	820	150	22
100x65-250		3	100L	545	295	370	260	426	500	120	18
100x65-250		4	112M	545	295	360	350	426	510	120	14
100x65-250		5.5	132S	565	315	370	320	436	560	120	18
100x65-250		7.5	132M	565	315	370	350	436	600	120	18
100x65-250	30		200L	585	335	440	550	516	840	100	22
100x65-250	37		200L	585	335	440	550	516	840	100	22
100x65-250	45		225M	610	360	480	500	556	840	150	22
100x65-250	55		250M	660	410	550	660	630	960	100	28
100x65-250	75		280S	690	440	600	700	690	1020	150	28
100x65-315		5.5	132S	620	340	400	400	466	560	120	18
100x65-315		7.5	132M	620	340	400	450	466	600	120	18
100x65-315		11	160M	620	340	400	550	466	700	50	18
100x65-315		15	160L	620	340	400	550	466	740	50	18
100x65-315		18.5	180M	620	340	410	560	476	760	100	18
100x65-315	55		250M	690	410	550	650	630	990	150	28
100x65-315	75		280S	720	440	610	700	690	1040	140	28
100x65-315	90		280M	720	440	610	700	690	1090	200	28
100x65-315	110		315S	760	480	670	700	750	1100	150	28
100X80-160		1.1	90S	435	235	290	280	350	430	100	14
100X80-160		1.5	90L	435	235	290	320	350	460	100	14
100X80-160		2.2	100L	455	255	290	320	356	490	120	14
100X80-160		3	100L	455	255	290	320	356	490	120	14
100X80-160	11		160M	475	275	350	450	416	670	80	18
100X80-160	15		160M	475	275	350	450	416	670	80	18

Note: All dimensions are in mm.

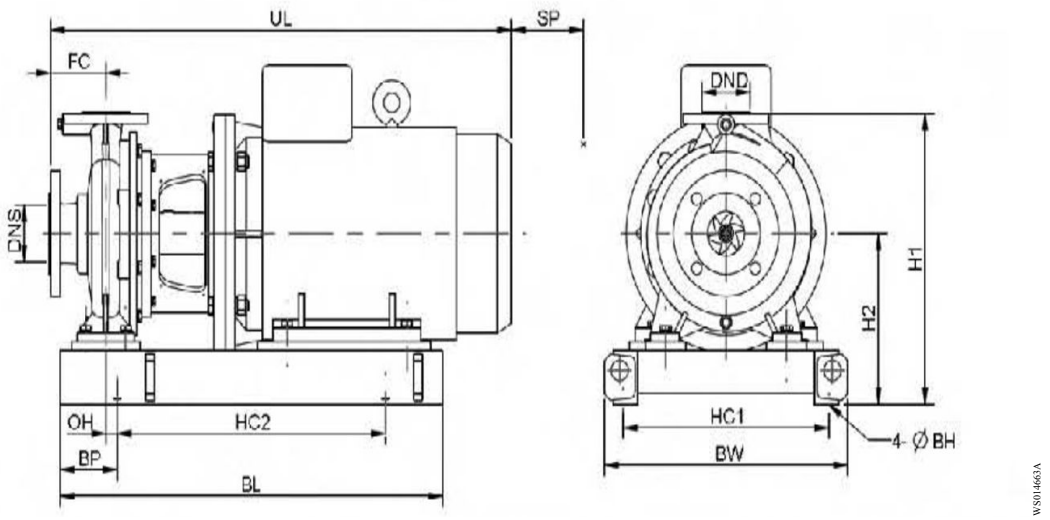
1710 Pump size	Motor Power in kW		Motor frame size	H1	H2	HC1	HC2	BW	BL	BP	BH
	2p	4p									
100X80-160	18.5		160L	475	275	350	500	416	710	80	18
100X80-160	22		180M	500	300	390	450	466	750	150	18
125X80-400		11	160M	755	400	440	480	506	700	80	18
125X80-400		15	160L	755	400	440	500	506	740	80	18
125X80-400		18.5	180M	755	400	440	400	516	740	180	18
125X80-400		22	180L	755	400	440	550	516	790	100	18
125X80-400		30	200L	775	420	452	540	530	840	200	28
125x100-200		3	100L	575	295	370	260	426	500	120	18
125x100-200		4	112M	575	295	360	350	426	510	120	14
125x100-200		5.5	132S	595	315	370	320	436	560	120	18
125x100-200		7.5	132M	595	315	370	350	436	600	120	18
125x100-200	22		180M	595	315	380	500	446	740	80	18
125x100-200	30		200L	615	335	440	550	516	840	100	22
125x100-200	37		200L	615	335	440	550	516	840	100	22
125x100-200	45		225M	640	360	480	500	556	840	150	22
125x100-200	55		250M	690	410	550	660	630	960	100	28
125x100-200	75		280S	720	440	600	700	690	1020	150	28
125x100-250		11	160M	620	340	400	550	466	700	50	18
125x100-250		15	160L	620	340	400	550	466	740	50	18
125x100-250		18.5	180M	620	340	410	560	476	760	100	18
125x100-250		22	180L	620	340	410	560	476	790	100	18
125x100-250		30	200L	640	360	410	580	486	840	100	22
125x100-250	55		250M	690	410	550	650	630	990	150	28
125x100-250	75		280S	720	440	610	700	690	1040	140	28
125x100-250	90		280M	720	440	610	700	690	1090	200	28
125x100-250	110		315S	760	480	670	700	750	1100	150	28
125x100-315		11	160M	680	365	400	480	466	700	100	18
125x100-315		15	160L	680	365	400	500	466	740	100	18
125x100-315		18.5	180M	680	365	400	540	466	740	100	18
125x100-315		22	180L	680	365	400	550	466	800	100	18
125x100-315		30	200L	705	390	440	550	516	850	100	22
125x100-315	90		280M	755	440	600	740	680	1090	150	28
125x100-315	110		315S	795	480	670	750	750	1100	150	28
125X100-400		18.5	180M	775	420	490	500	566	780	100	22
125X100-400		22	180L	775	420	490	600	566	830	100	22
125X100-400		30	200L	775	420	490	630	566	880	100	22
125X100-400		37	225S	795	440	500	630	580	900	100	28
125X100-400		45	225M	795	440	500	650	580	930	100	28
150x125-250		11	160M	720	365	400	480	466	700	100	18
150x125-250		15	160L	720	365	400	500	466	740	100	18
150x125-250		18.5	180M	720	365	400	540	466	740	100	18
150x125-250		22	180L	720	365	400	550	466	800	100	18

Note: All dimensions are in mm.

1710 Pump size	Motor Power in kW		Motor frame size	H1	H2	HC1	HC2	BW	BL	BP	BH
	2p	4p									
150x125-250		30	200L	745	390	440	550	516	850	100	200
150x125-315		18.5	180M	775	420	490	500	566	780	100	22
150x125-315		22	180L	775	420	490	600	566	830	100	22
150x125-315		30	200L	775	420	490	630	566	880	100	22
150x125-315		37	225S	795	440	510	640	590	890	100	28
150x125-315		45	225M	795	440	500	650	580	930	100	28
150x125-400		30	200L	855	455	490	630	566	870	100	22
150x125-400		37	225S	875	475	500	650	580	910	100	28
150x125-400		45	225M	875	475	500	650	580	940	100	28

Note: All dimensions are in mm.

1710 End suction centrifugal pump (stub shaft) – pump dimensions (pumpset)



1710 Pump size	Motor Power in kW		Motor frame size	OH	UL	FC	DNS	DND	Weight(Kg.)	SP(min)
	2P	4P								
50x32-160		0.75	80M	-40	459	80	50	32	62	82
50x32-160		1.1	90S	-40	484	80	50	32	73	82
50X32-160	3		100L	-30	536	80	50	32	81	82
50X32-160	4		112M	-30	565	80	50	32	94	82
50X32-160	5.5		132S	-20	638	80	50	32	119	82
50X32-160	7.5		132S	-20	638	80	50	32	122	82
50x32-200		0.75	80M	-40	459	80	50	32	78	72
50X32-200		1.1	90S	-40	484	80	50	32	83	72
50x32-200		2.2	100L	-40	536	80	50	32	100	72
50x32-200	5.5		132S	-30	638	80	50	32	138	72
50x32-200	7.5		132S	-30	638	80	50	32	144	72
50x32-200	11		160M	20	791	80	50	32	206	72
50x32-200	15		160M	20	791	80	50	32	216	72
65x40-200		1.1	90S	-40	504	100	65	40	84	81
65x40-200		1.5	90L	-40	529	100	65	40	90	81
65x40-200		2.2	100L	-40	556	100	65	40	101	81
65x40-200	7.5		132S	-30	658	100	65	40	144	81
65x40-200	11		160M	20	811	100	65	40	206	81
65x40-200	15		160M	20	811	100	65	40	215	81
65X40-250		1.1	90S	27.5	503	100	65	40	104	83
65X40-250		1.5	90L	27.5	528	100	65	40	111	83
65X40-250		2.2	100L	27.5	553	100	65	40	123	83
65X40-250		3	100L	27.5	553	100	65	40	127	83
65X40-250		4	112M	27.5	582	100	65	40	136	83
65X40-250	11		160M	7.5	811	100	65	40	239	83
65X40-250	15		160M	7.5	811	100	65	40	247	83
65X40-250	18.5		160L	7.5	855	100	65	40	274	83
65X40-250	22		180M	7.5	890	100	65	40	300	83

Note: All dimensions are in mm.

1710 Pump size	Motor Power in kW		Motor frame size	OH	UL	FC	DNS	DND	Weight(Kg.)	SP(min)
	2P	4P								
65X40-250	30		200L	7.5	990	100	65	40	385	83
65X40-315		2.2	100L	27.5	578	125	65	40	142	88
65X40-315		3	100L	27.5	578	125	65	40	146	88
65X40-315		4	112M	27.5	607	125	65	40	153	88
65X40-315		5.5	132S	27.5	680	125	65	40	189	88
65X40-315		7.5	132M	27.5	718	125	65	40	207	88
65X40-315	22		180M	7.5	915	125	65	40	326	88
65X40-315	30		200L	7.5	1015	125	65	40	397	88
65X40-315	37		200L	7.5	1015	125	65	40	412	88
65X40-315	45		225M	7.5	1052	125	65	40	475	88
65X50-160		0.75	80M	-40	459	80	65	50	73	82
65X50-160		1.1	90S	-40	484	80	65	50	75	82
65X50-160		1.5	90L	-40	509	80	65	50	82	82
65X50-160	4		112M	-30	565	80	65	50	105	82
65X50-160	5.5		132S	-20	638	80	65	50	130	82
65X50-160	7.5		132S	-20	638	80	65	50	136	82
65X50-160	11		160M	20	811	80	65	50	198	82
80x50-200		1.5	90L	-40	529	100	80	50	93	83.1
80x50-200		2.2	100L	-40	556	100	80	50	105	83.1
80x50-200		3	100L	-40	556	100	80	50	109	83.1
80x50-200		4	112M	-40	585	100	80	50	118	83.1
80x50-200	7.5		132S	-30	658	100	80	50	148	83.1
80x50-200	11		160M	20	811	100	80	50	210	83.1
80x50-200	15		160M	20	811	100	80	50	218	83.1
80x50-200	18.5		160L	0	855	100	80	50	242	83.1
80x50-200	22		180M	20	890	100	80	50	283	83.1
80x50-250		3	100L	27.5	578	125	80	50	132	87
80x50-250		4	112M	27.5	607	125	80	50	141	87
80x50-250		5.5	132S	27.5	680	125	80	50	176	87
80x50-250		7.5	132M	27.5	718	125	80	50	192	87
80x50-250	18.5		160L	7.5	880	125	80	50	278	87
80x50-250	22		180M	7.5	915	125	80	50	305	87
80x50-250	30		200L	57.5	1015	125	80	50	390	87
80x50-250	37		200L	57.5	1015	125	80	50	406	87
80x50-250	45		225M	57.5	1052	125	80	50	472	87
80x50-315		4	112M	27.5	607	125	80	50	163	90
80x50-315		5.5	132S	-43	680	125	80	50	204	90
80x50-315		7.5	132M	-43	718	125	80	50	221	90
80x50-315		11	160M	12.5	836	125	80	50	271	90
80x50-315	30		200L	7.5	1015	125	80	50	410	90
80x50-315	37		200L	7.5	1015	125	80	50	426	90
80x50-315	45		225M	7.5	1052	125	80	50	489	90

Note: All dimensions are in mm.

1710 Pump size	Motor Power in kW		Motor frame size	OH	UL	FC	DNS	DND	Weight(Kg.)	SP(min)
	2P	4P								
80x50-315	55		250M	57.5	1171	125	80	50	602	90
80x50-315	75		280S	57.5	1221	125	80	50	759	90
80x65-160		1.1	90S	-40	504	100	80	65	83	94.1
80x65-160		1.5	90L	-40	529	100	80	65	88	94.1
80x65-160	5.5		132S	-30	658	100	80	65	137	94.1
80x65-160	7.5		132S	-30	658	100	80	65	143	94.1
80x65-160	11		160M	20	811	100	80	65	205	94.1
80x65-160	15		160M	20	811	100	80	65	213	94.1
100x65-200		2.2	100L	27.5	553	100	100	65	122	105
100x65-200		3	100L	27.5	553	100	100	65	127	105
100x65-200		4	112M	27.5	582	100	100	65	136	105
100x65-200		5.5	132S	27.5	655	100	100	65	171	105
100x65-200	15		160M	7.5	811	100	100	65	247	105
100x65-200	18.5		160L	7.5	855	100	100	65	273	105
100x65-200	22		180M	7.5	890	100	100	65	300	105
100x65-200	30		200L	57.5	990	100	100	65	385	105
100x65-200	37		200L	57.5	990	100	100	65	401	105
100x65-250		3	100L	10	578	125	100	65	142	97
100x65-250		4	112M	10	607	125	100	65	150	97
100x65-250		5.5	132S	10	680	125	100	65	187	97
100x65-250		7.5	132M	10	718	125	100	65	204	97
100x65-250	30		200L	0	1015	125	100	65	394	97
100x65-250	37		200L	0	1015	125	100	65	410	97
100x65-250	45		225M	40	1052	125	100	65	482	97
100x65-250	55		250M	-10	1171	125	100	65	593	97
100x65-250	75		280S	40	1221	125	100	65	750	97
100x65-315		5.5	132S	10	687	125	100	65	217	119
100x65-315		7.5	132M	10	725	125	100	65	236	119
100x65-315		11	160M	-60	842	125	100	65	284	119
100x65-315		15	160L	-60	886	125	100	65	309	119
100x65-315		18.5	180M	-10	936	125	100	65	352	119
100x65-315	55		250M	40	1178	125	100	65	642	119
100x65-315	75		280S	30	1229	125	100	65	798	119
100x65-315	90		280M	90	1280	125	100	65	883	119
100x65-315	110		315S	40	1432	125	100	65	1305	119
100X80-160		1.1	90S	7.5	503	100	100	80	98	105
100X80-160		1.5	90L	7.5	528	100	100	80	104	105
100X80-160		2.2	100L	27.5	553	100	100	80	119	105
100X80-160		3	100L	27.5	553	100	100	80	123	105
100X80-160	11		160M	-13	811	100	100	80	225	105
100X80-160	15		160M	-13	811	100	100	80	233	105
100X80-160	18.5		160L	-13	855	100	100	80	258	105

Note: All dimensions are in mm.

1710 Pump size	Motor Power in kW		Motor frame size	OH	UL	FC	DNS	DND	Weight(Kg.)	SP(min)
	2P	4P								
100X80-160	22		180M	57.5	890	100	100	80	302	105
125X80-400		11	160M	-30	842	125	125	80	344	122
125X80-400		15	160L	-30	886	125	125	80	370	122
125X80-400		18.5	180M	70	921	125	125	80	408	122
125X80-400		22	180L	-10	959	125	125	80	420	122
125X80-400		30	200L	90	1022	125	125	80	529	122
125x100-200		3	100L	10	578	125	125	100	147	115
125x100-200		4	112M	10	607	125	125	100	155	115
125x100-200		5.5	132S	10	680	125	125	100	192	115
125x100-200		7.5	132M	10	718	125	125	100	208	115
125x100-200	22		180M	-30	915	125	125	100	327	115
125x100-200	30		200L	0	1015	125	125	100	399	115
125x100-200	37		200L	0	1015	125	125	100	415	115
125x100-200	45		225M	40	1052	125	125	100	487	115
125x100-200	55		250M	-10	1171	125	125	100	597	115
125x100-200	75		280S	40	1221	125	125	100	754	115
125x100-250		11	160M	-60	857	140	125	100	298	122.5
125x100-250		15	160L	-60	901	140	125	100	323	122.5
125x100-250		18.5	180M	-10	936	140	125	100	360	122.5
125x100-250		22	180L	-10	974	140	125	100	372	122.5
125x100-250		30	200L	-10	1037	140	125	100	467	122.5
125x100-250	55		250M	40	1193	124	125	100	656	122.5
125x100-250	75		280S	30	1244	124	125	100	812	122.5
125x100-250	90		280M	90	1295	124	125	100	897	122.5
125x100-250	110		315S	40	1447	124	125	100	1319	122.5
125x100-315		11	160M	-10	857	140	125	100	320	133
125x100-315		15	160L	-10	901	140	125	100	346	133
125x100-315		18.5	180M	-10	936	140	125	100	383	133
125x100-315		22	180L	-10	974	140	125	100	395	133
125x100-315		30	200L	10	1037	140	125	100	495	133
125x100-315	90		280M	40	1295	124	125	100	910	133
125x100-315	110		315S	40	1447	124	125	100	1334	133
125X100-400		18.5	180M	-30	936	140	125	100	445	123
125X100-400		22	180L	-30	974	140	125	100	457	123
125X100-400		30	200L	-30	1037	140	125	100	547	123
125X100-400		37	225S	-30	1084	140	125	100	580	123
125X100-400		45	225M	-30	1109	140	125	100	620	123
150x125-250		11	160M	-10	857	140	150	125	316	136
150x125-250		15	160L	-10	901	140	150	125	342	136
150x125-250		18.5	180M	-10	936	140	150	125	379	136
150x125-250		22	180L	-10	974	140	150	125	391	136
150x125-250		30	200L	10	1037	140	150	125	491	136

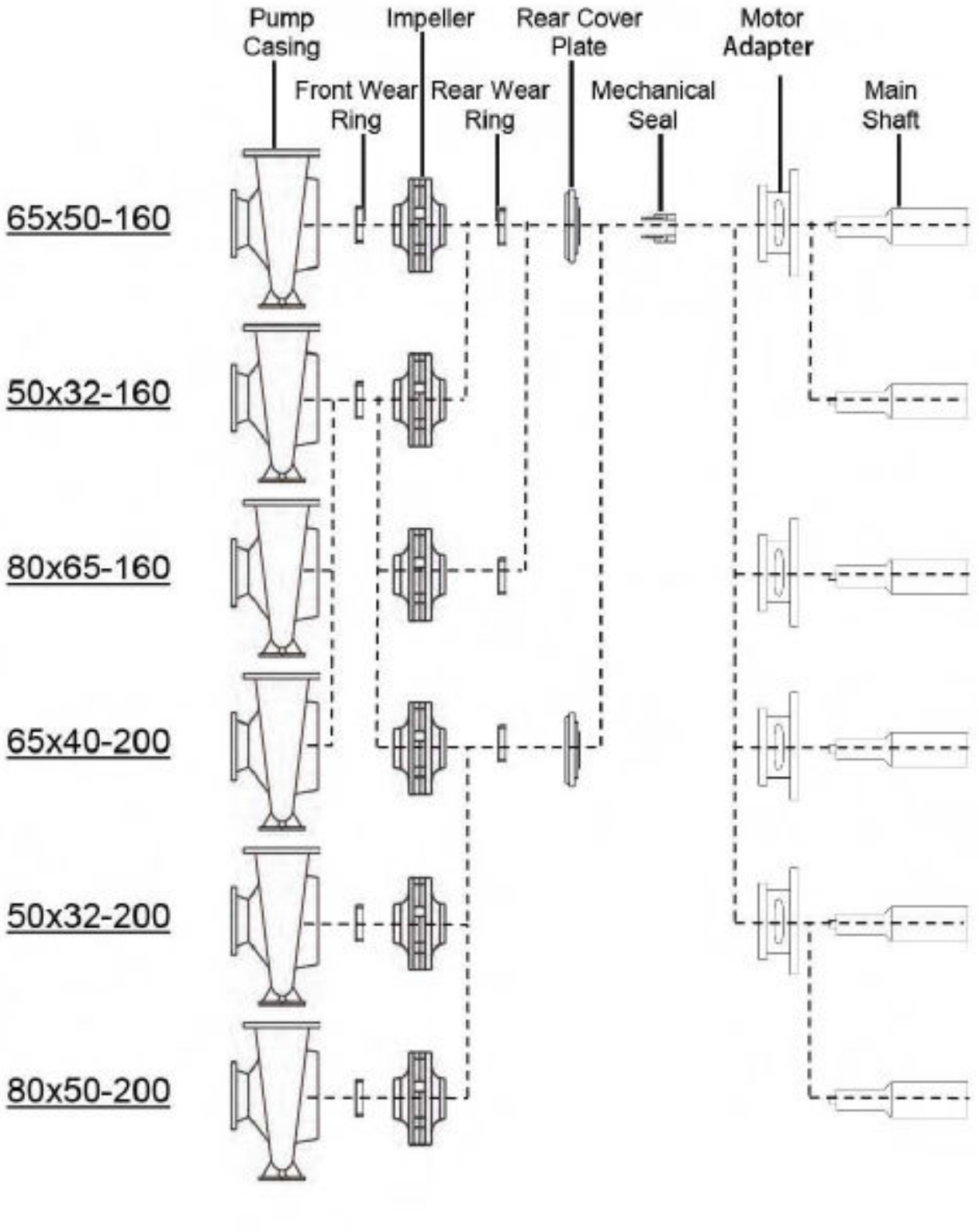
Note: All dimensions are in mm.

1710 Pump size	Motor Power in kW		Motor frame size	OH	UL	FC	DNS	DND	Weight(Kg.)	SP(min)
	2P	4P								
150x125-315		18.5	180M	-30	936	140	150	125	417	138
150x125-315		22	180L	-30	974	140	150	125	430	138
150x125-315		30	200L	-30	1037	140	150	125	520	138
150x125-315		37	225S	-30	1084	140	150	125	549	138
150x125-315		45	225M	-30	1109	140	150	125	593	138
150x125-400		30	200L	-30	1037	140	150	125	561	138
150x125-400		37	225S	-30	1084	140	150	125	599	138
150x125-400		45	225M	-30	1109	140	150	125	640	138

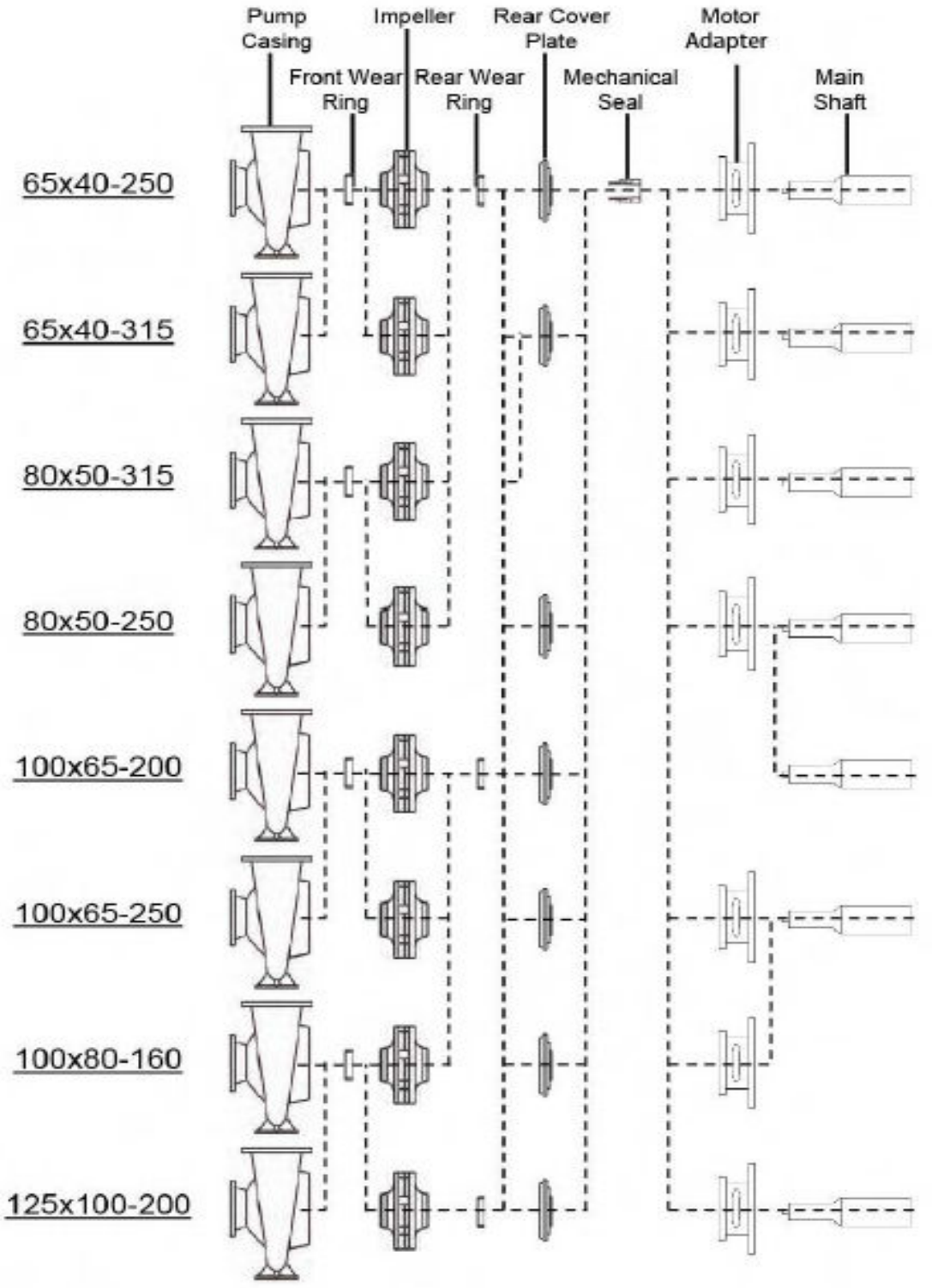
Note: All dimensions are in mm.

1710 End suction centrifugal pump – stub shaft pump component interchangeability

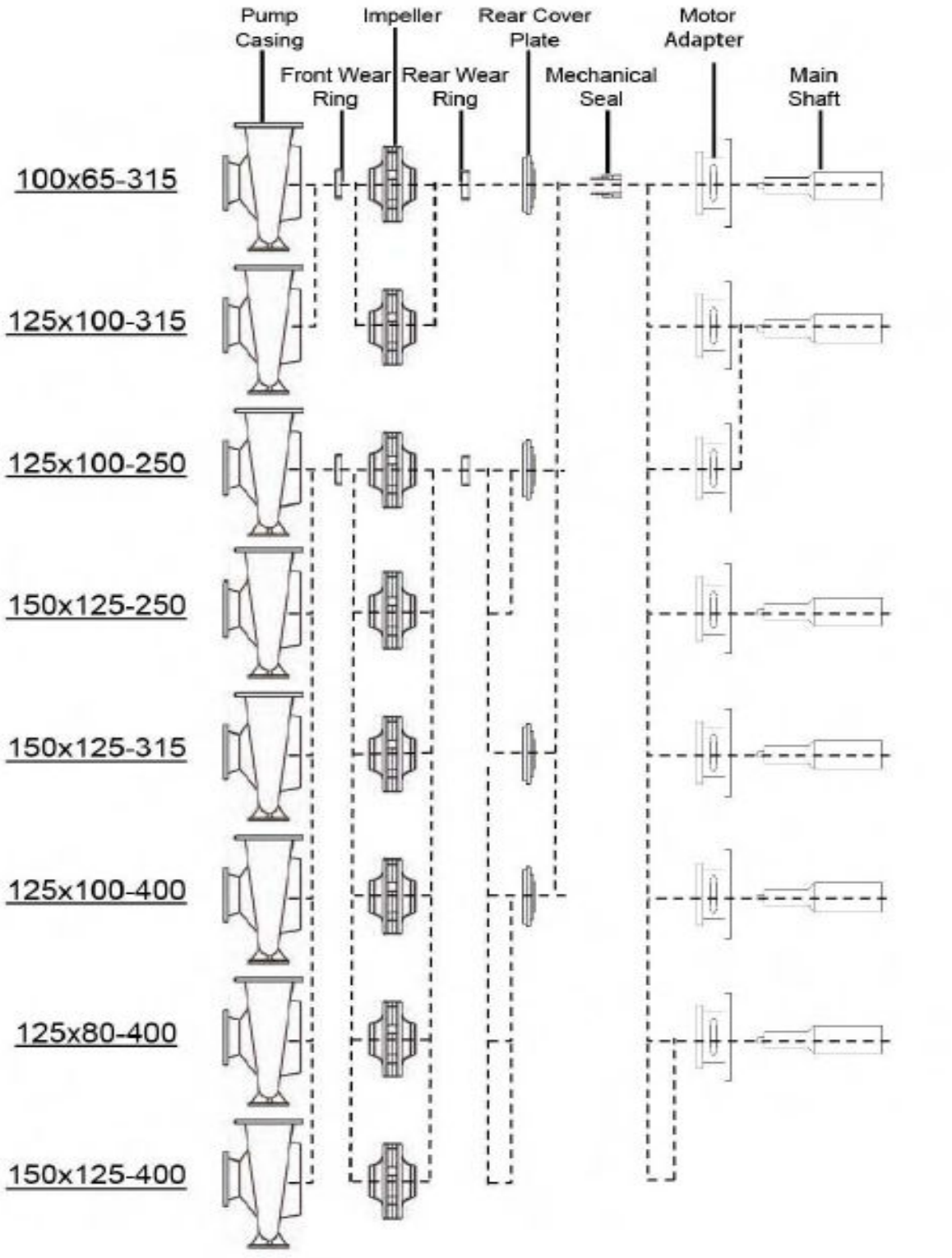
Group 1



Group 2


Pump Casing
Impeller
Rear Cover Plate
Motor Adapter
Front Wear Ring
Rear Wear Ring
Mechanical Seal
Main Shaft
65x40-250
65x40-315
80x50-315
80x50-250
100x65-200
100x65-250
100x80-160
125x100-200
WS014669B

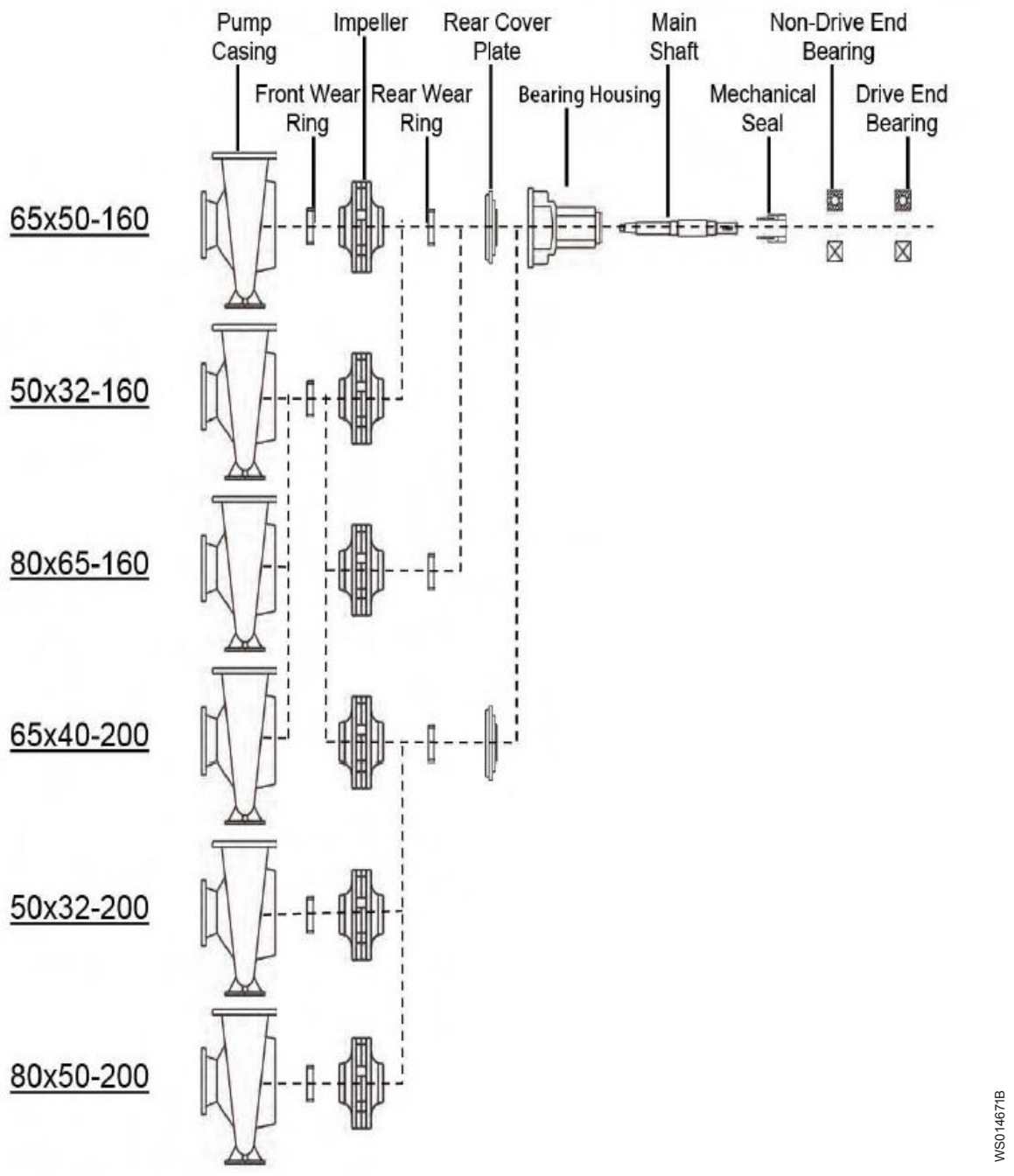
Group 3


Pump Casing
Impeller
Rear Cover Plate
Motor Adapter
Front Wear Ring
Rear Wear Ring
Mechanical Seal
Main Shaft
100x65-315
125x100-315
125x100-250
150x125-250
150x125-315
125x100-400
125x80-400
150x125-400
WS014670B

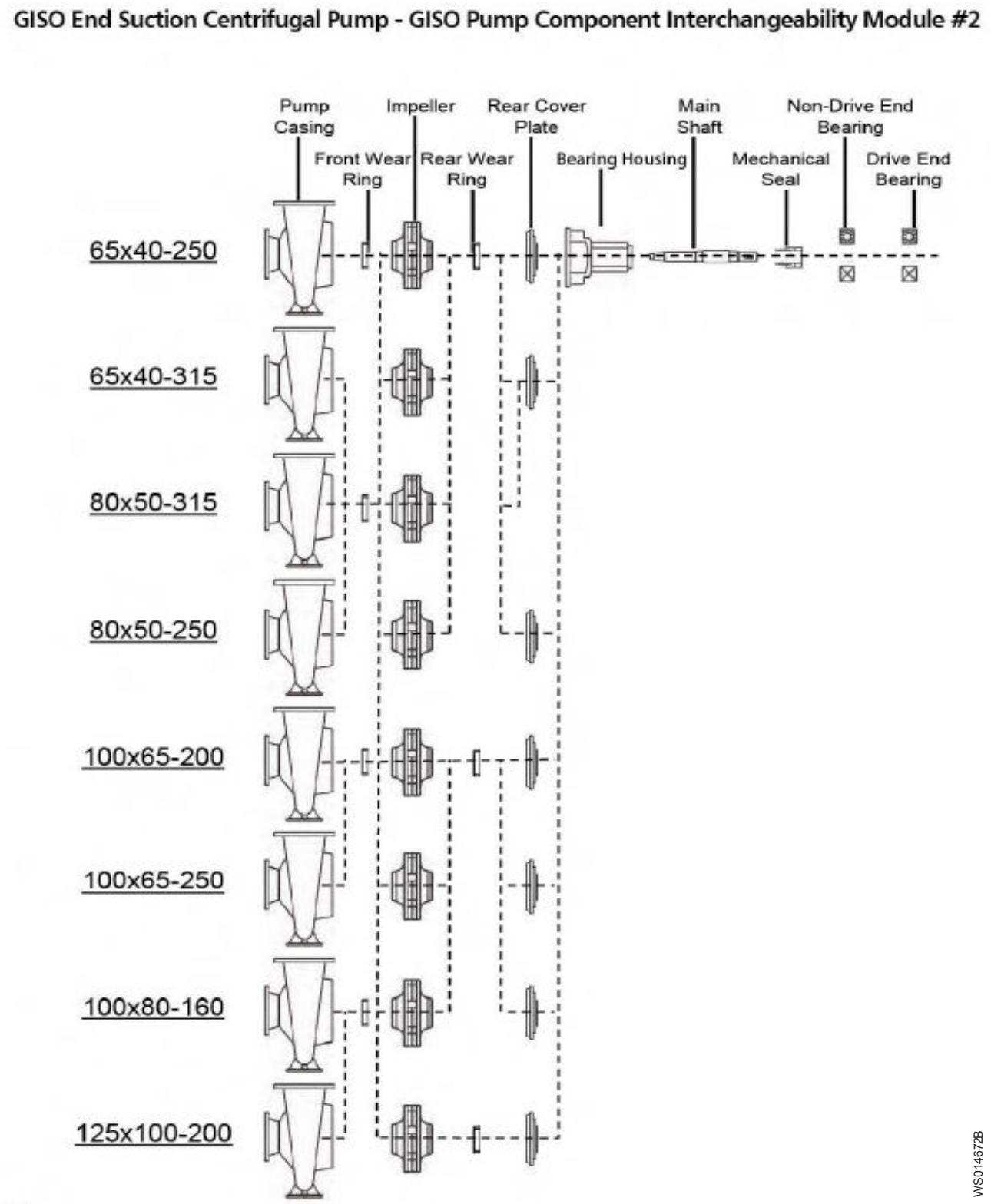
3 1710 End suction centrifugal pump – 1710 pump component interchangeability group

Group 1

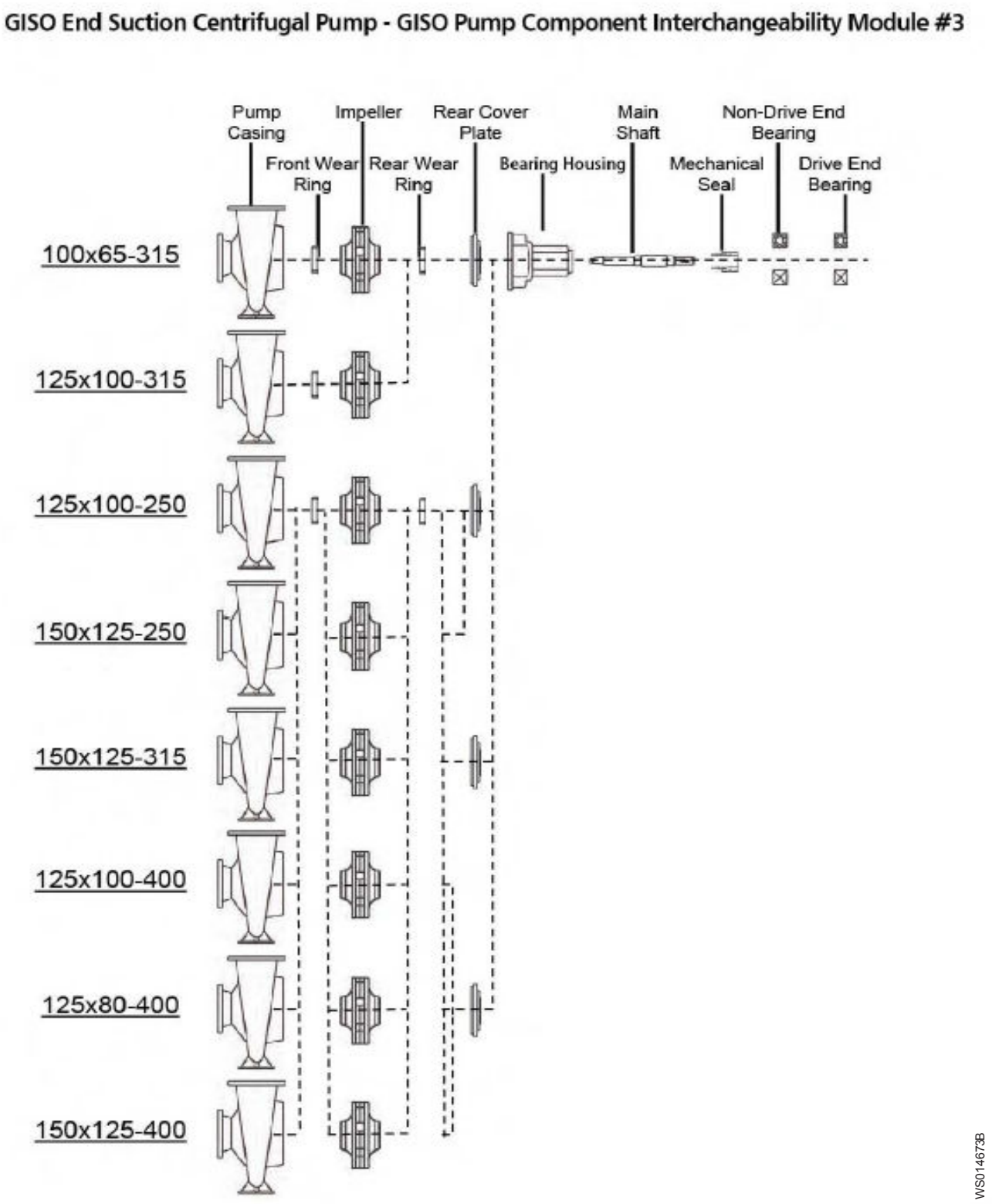
GISO End Suction Centrifugal Pump - GISO Pump Component Interchangeability Module #1



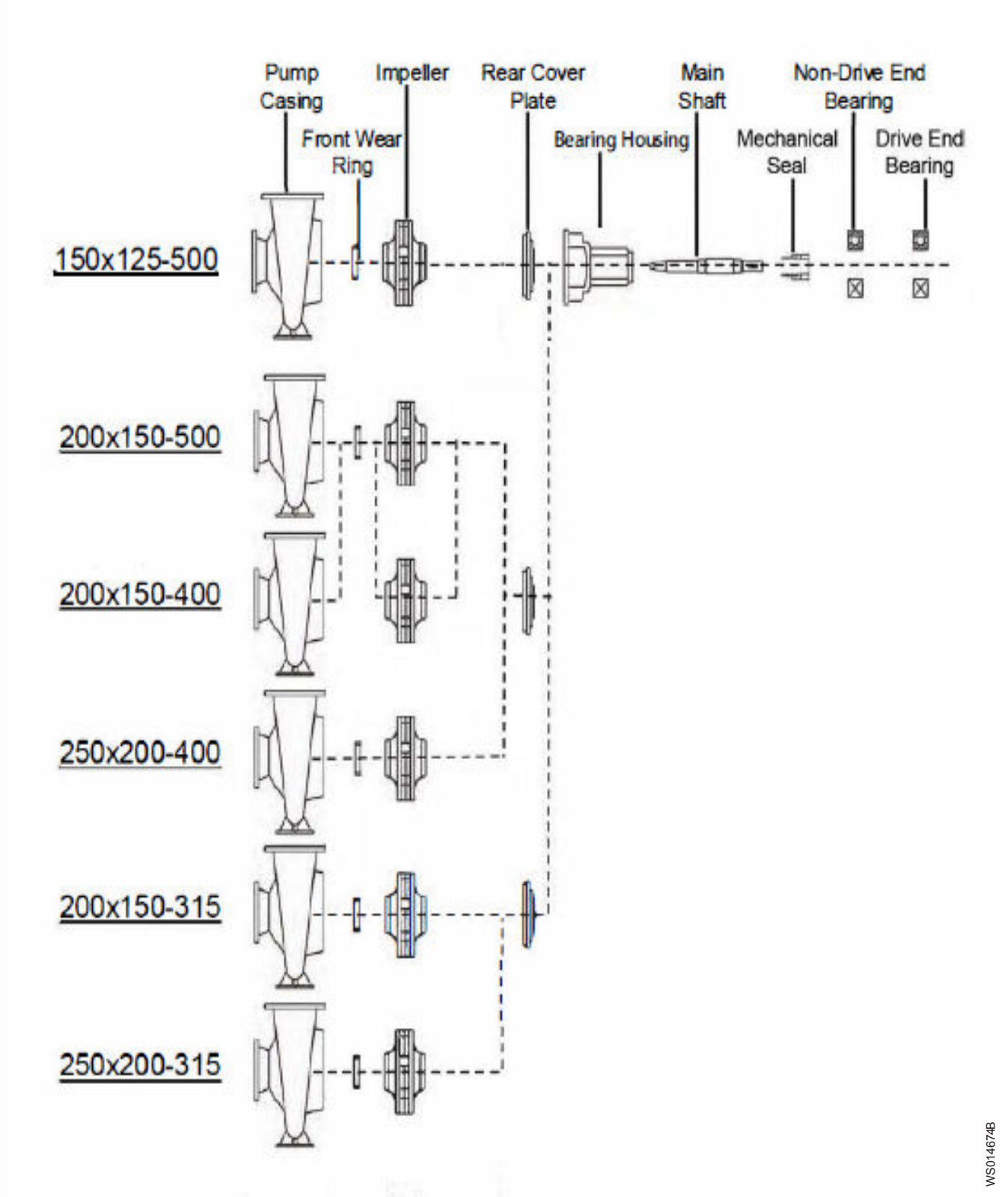
Group 2


GISO End Suction Centrifugal Pump - GISO Pump Component Interchangeability Module #2
Pump Casing
Impeller
Rear Cover Plate
Main Shaft
Non-Drive End Bearing
Front Wear Ring
Rear Wear Ring
Bearing Housing
Mechanical Seal
Drive End Bearing
65x40-250
65x40-315
80x50-315
80x50-250
100x65-200
100x65-250
100x80-160
125x100-200
WS0146728

Group 3


GISO End Suction Centrifugal Pump - GISO Pump Component Interchangeability Module #3
Pump Casing
Impeller
Rear Cover Plate
Main Shaft
Non-Drive End Bearing
Front Wear Ring
Rear Wear Ring
Bearing Housing
Mechanical Seal
Drive End Bearing
100x65-315
125x100-315
125x100-250
150x125-250
150x125-315
125x100-400
125x80-400
150x125-400
WS0146738

Group 4


Pump Casing
Impeller
Rear Cover Plate
Main Shaft
Non-Drive End Bearing
Front Wear Ring
Bearing Housing
Mechanical Seal
Drive End Bearing
150x125-500
200x150-500
200x150-400
250x200-400
200x150-315
250x200-315
WS014674B

4 1710 End suction centrifugal pump – technical data (standard construction)

A. Pump	Unit	50–32–160	50–32–200	65–40–250	65-40–315	65–50–160
1. Water outlet	mm	32	32	40	40	50
2. Water inlet	mm	50	50	65	65	65
3. Flange hole		AS2129–1982 label " E "PN16 standard				
4. Impeller structure		Single-suction double seal ring type				
5. Mean thickness of pump casing	mm	8	8	9	10	8
6. Pole number of pump		1	1	1	1	1
7. Pump casing structure		Radial split back pulling type				
8. Weight of pump head	kg	38	46	70	80	40
9. Total delivery quantity	m^3	0.0326	0.038	0.0778	0.0971	0.0326
10. Bearing type		1	1	2	2	1

B. Impeller	Unit	50–32–160	50–32–200	65–40–250	65-40–315	65–50–160
1. Max. impeller diameter	mm	182	228	278	342	182
2. Weight of impeller (Bronze)	kg	5.5	6.5	9.8	18	5.4
Weight of impeller (SS304)	kg	5.1	6.0	9.0	16.6	5.0
3. Weight of bearing	kg	0.464	0.464	0.829	0.829	0.464
4. Max. redundancy of friction ring	mm	0.3054	0.3054	0.3054	0.3054	0.3054
Min. redundancy of friction ring	mm	0.3	0.3	0.3	0.3	0.3
5. Max. rotation inertia (Bronze)	$kg.m^2$	0.0149	0.0292	0.0725	0.1901	0.0166
Max. rotation inertia (SS304)	$kg.m^2$	0.0131	0.0258	0.0639	0.1677	0.0146

Shaft and bearing	Unit	50–32–160	50–32–200	65–40–250	65-40–315	65–50–160
1. Shaft diameter (at impeller)	mm	25	25	35	35	25

Shaft and bearing	Unit	50–32–160	50–32–200	65–40–250	65-40–315	65–50–160
2. Shaft diameter (at coupling)	mm	24	24	32	32	24
3. Bearing center distance	mm	154	154	224	224	154
4. The 1st critical rotation speed	RPM	8.76×10^2	8.28×10^2	5.07×10^4	4.35×10^4	8.53×10^2
5. Bearing type (drive end)		6306ZZ (30x72x19)		630877 (40x90x23)		6306ZZ (30x72x19)
6. Bearing type (pump head end)		6306ZZ (35x80x21)		630944 (40x100x25)		6306ZZ (35x80x21)

Mechanical seal	Unit	50–32–160	50–32–200	65–40–250	65-40–315	65–50–160
1. Material of mechanical seal		Carbon / ceramic / fluorine rubber (dynamic / static ring / rubber)				
2. Specification of mechanical seal	mm	32		43		32

Operation limits	Unit	50–32–160	50–32–200	65–40–250	65-40–315	65–50–160
1. Max. operating pressure	Bar	16	16	16	16	16
2. Max. water flow pressure	Bar	24	24	24	24	24
3. Max. intake water pressure	Bar	7.5	6	3.5	2	7.5
4. Service life of bearing (calculated)	Hours	44385	43125	39285	35670	44000
5. Max. temperature of mechanical seal	Deg C	100	100	100	100	100
6. Max. speed (drive end)	RPM	3600	3600	3600	3000	3600

A. Pump	Unit	100–80–160	125–80–400	125-100–400
1. Water outlet	mm	60	80	100
2. Water inlet	mm	100	125	125
3. Flange hole		AS2129–1982 label “ E “PN16 standard		
4. Impeller structure		Single-suction double-seal-ring type		
5. Mean thickness of pump casing	mm	9	15	15
6. Pole number of pump		1	1	1
7. Pump casing structure		Radial split back pulling type		
8. Weight of pump head	kg	68	165	175
9. Total delivery quantity	m^3	0.0605	0.181	0.2128
10. Bearing type		2	3	3

B. Impeller	Unit	100–80–160	125–80–400	125-100–400
1. Max. impeller diameter	mm	182	438	438
2. Weight of impeller (Bronze)	kg	7.4	28	28
Weight of impeller (SS304)	kg	6.6	25.8	25.8
3. Weight of bearing	kg	0.829	1.37	1.37
4. Max. redundancy of friction ring	mm	0.413	0.522	0.522
Min. redundancy of friction ring	mm	0.35	0.45	0.45
5. Max. rotation inertia (Bronze)	$kg.m^2$	0.0232	0.6235	0.5995
Max. rotation inertia (SS304)	$kg.m^2$	0.0205	0.5499	0.5288

Shaft and bearing	Unit	100–80–160	125–80–400	125-100–400
1. Shaft diameter (at impeller)	mm	35	45	45
2. Shaft diameter (at coupling)	mm	32	42	42
3. Bearing center distance	mm	224	192	192
4. The 1st critical rotation speed	RPM	5.42×10^4	8.24×10^4	6.32×10^4
5. Bearing type (drive end)		6308ZZ (40x90x23)	6310ZZ (50x110x27)	6313ZZ (65x140x33)
6. Bearing type (pump head end)		6309ZZ (45x100x25)	6311ZZ (55x120x28)	6313ZZ (65x140x33)

Mechanical seal	Unit	100–80–160	125–80–400	125-100–400
1. Material of mechanical seal		Carbon / ceramic / fluorine rubber (dynamic / static ring / rubber)		
2. Specification of mechanical seal	mm	43	53	60

Operation limits	Unit	100–80–160	125–80–400	125-100–400
1. Max. operating pressure	Bar	16	16	16
2. Max. water flow pressure	Bar	24	24	24
3. Max. intake water pressure	Bar	7.7	2	7
4. Service life of bearing (calculated)	Hours	43056	38150	35450
5. Max. temperature of mechanical seal	Deg C	100	100	100
6. Max. speed (drive end)	RPM	3600	2350	2350

A. Pump	Unit	65–40–200
1. Water outlet	mm	40
2. Water inlet	mm	65
3. Flange hole		AS2129–1982 label " E "PN16 standard
4. Impeller structure		Single-suction double-seal-ring type
5. Mean thickness of pump casing	mm	8
6. Pole number of pump		1
7. Pump casing structure		Radial split back pulling type
8. Weight of pump head	kg	48
9. Total delivery quantity	m^3	0.0437
10. Bearing type		1

B. Impeller	Unit	65–40–200
1. Max. impeller diameter	mm	228
2. Weight of impeller (Bronze)	kg	8.4
Weight of impeller (SS304)	kg	7.8
3. Weight of bearing	kg	0.464
4. Max. redundancy of friction ring	mm	0.3054
Min. redundancy of friction ring	mm	0.3
5. Max. rotation inertia (Bronze)	$kg.m^2$	0.0325
Max. rotation inertia (SS304)	$kg.m^2$	0.0287

Shaft and bearing	Unit	65–40–200
1. Shaft diameter (at impeller)	mm	25
2. Shaft diameter (at coupling)	mm	24
3. Bearing center distance	mm	154
4. The 1st critical rotation speed	RPM	8.04×10^2
5. Bearing type (drive end)		6306ZZ (30x72x19)
6. Bearing type (pump head end)		6306ZZ (35x80x21)

Mechanical seal	Unit	65–40–200
1. Material of mechanical seal		Carbon / ceramic / fluorine rubber (dynamic / static ring / rubber)
2. Specification of mechanical seal	mm	32

Operation limits	Unit	65–40–200
1. Max. operating pressure	Bar	16
2. Max. water flow pressure	Bar	24
3. Max. intake water pressure	Bar	6
4. Service life of bearing (calculated)	Hours	42560
5. Max. temperature of mechanical seal	Deg C	100
6. Max. speed (drive end)	RPM	3600

A. Pump	Unit	80–65–160	80–50–200
1. Water outlet	mm	65	50
2. Water inlet	mm	80	80
3. Flange hole		AS2129–1982 label " E "PN16 standard	

A. Pump	Unit	80–65–160	80–50–200
4. Impeller structure		Single-suction double-seal-ring type	
5. Mean thickness of pump casing	mm	9	9
6. Pole number of pump		1	1
7. Pump casing structure		Radial split back pulling type	
8. Weight of pump head	kg	46	52
9. Total delivery quantity	m^3	0.0437	0.0463
10. Bearing type		1	1

B. Impeller	Unit	80–65–160	80–50–200
1. Max. impeller diameter	mm	162	228
2. Weight of impeller (Bronze)	kg	5.4	8.4
Weight of impeller (SS304)	kg	5.0	7.8
3. Weight of bearing	kg	0.464	0.464
4. Max. redundancy of friction ring	mm	0.3	0.3
Min. redundancy of friction ring	mm	0.0149	0.0325
5. Max. rotation inertia (Bronze)	$kg.m^2$	0.0149	0.0325
Max. rotation inertia (SS304)	$kg.m^2$	0.0131	0.0287

Shaft and bearing	Unit	80–65–160	80–50–200
1. Shaft diameter (at impeller)	mm	35	35
2. Shaft diameter (at coupling)	mm	32	32
3. Bearing center distance	mm	154	154
4. The 1st critical rotation speed	RPM	8.75×10^4	8.75×10^4
5. Bearing type (drive end)		6306ZZ (30x72x19)	
6. Bearing type (pump head end)		6307ZZ (35x80x21)	

Mechanical seal	Unit	80–65–160	80–50–200
1. Material of mechanical seal		Carbon / ceramic / fluorine rubber (dynamic / static ring / rubber)	
2. Specification of mechanical seal	mm	32	

Operation limits	Unit	80–65–160	80–50–200
1. Max. operating pressure	Bar	16	16
2. Max. water flow pressure	Bar	24	24
3. Max. intake water pressure	Bar	7.5	6
4. Service life of bearing (calculated)	Hours	41550	42560
5. Max. temperature of mechanical seal	Deg C	100	100
6. Max. speed (drive end)	RPM	3600	3600

A. Pump	Unit	80–50–250	80–50–315	100–65–200
1. Water outlet	mm	50	50	65
2. Water inlet	mm	80	80	100
3. Flange hole		AS2129–1982 label " E "PN16 standard		
4. Impeller structure		Single-suction double-seal-ring type		
5. Mean thickness of pump casing	mm	9	12	9
6. Pole number of pump		1	1	1
7. Pump casing structure		Radial split back pulling type		
8. Weight of pump head	kg	72	67	70
9. Total delivery quantity	m^3	0.061	0.1089	0.0778
10. Bearing type		2	2	2

B. Impeller	Unit	80–50–250	80–50–315	100–65–200
1. Max. impeller diameter	mm	278	342	228
2. Weight of impeller (Bronze)	kg	12.5	14	10.5
Weight of impeller (SS304)	kg	11.5	12.9	9.7
3. Weight of bearing	kg	0.829	0.829	0.829
4. Max. redundancy of friction ring	mm	0.404	0.404	0.413
Min. redundancy of friction ring	mm	0.35	0.35	0.35
5. Max. rotation inertia (Bronze)	$kg.m^2$	0.0734	0.1842	0.0448
Max. rotation inertia (SS304)	$kg.m^2$	0.0647	0.1625	0.0395

Shaft and bearing	Unit	80–50–250	80–50–315	100–65–200
1. Shaft diameter (at impeller)	mm	35	35	35
2. Shaft diameter (at coupling)	mm	32	32	32
3. Bearing center distance	mm	224	224	224
4. The 1st critical rotation speed	RPM	8.75×10^4		8.75×10^4
5. Bearing type (drive end)		6308ZZ (40x90x23)		
6. Bearing type (pump head end)		6309ZZ (45x100x25)		

Mechanical seal	Unit	80–50–250	80–50–315	100–65–200
1. Material of mechanical seal		Carbon / ceramic / fluorine rubber (dynamic / static ring / rubber)		
2. Specification of mechanical seal	mm	43		

Operation limits	Unit	80–50–250	80–50–315	100–65–200
1. Max. operating pressure	Bar	16	16	16
2. Max. water flow pressure	Bar	24	24	24
3. Max. intake water pressure	Bar	3.5	2	6
4. Service life of bearing (calculated)	Hours	36578	30867	38057
5. Max. temperature of mechanical seal	Deg C	100	100	100
6. Max. speed (drive end)	RPM	3600	3600	3600

A. Pump	Unit	100–65–250	100–65–315	125-100–200
1. Water outlet	mm	65	65	100
2. Water inlet	mm	100	100	125
3. Flange hole		AS2129–1982 label “ E “PN16 standard		
4. Impeller structure		Single-suction double-seal-ring type		
5. Mean thickness of pump casing	mm	10	12	12
6. Pole number of pump		1	1	1
7. Pump casing structure		Radial split back pulling type		
8. Weight of pump head	kg	80	118	85
9. Total delivery quantity	m^3	0.1013	0.1324	0.106
10. Bearing type		2	3	2

B. Impeller	Unit	100–65–250	100–65–315	125-100–200
1. Max. impeller diameter	mm	278	342	228
2. Weight of impeller (Bronze)	kg	10.2	16.6	9.2
Weight of impeller (SS304)	kg	9.4	15.3	8.5
3. Weight of bearing	kg	0.829	1.37	0.829
4. Max. redundancy of friction ring	mm	0.413	0.463	0.463
Min. redundancy of friction ring	mm	0.35	0.4	0.4
5. Max. rotation inertia (Bronze)	$kg.m^2$	0.0734	0.2047	0.0533
Max. rotation inertia (SS304)	$kg.m^2$	0.0647	0.1806	0.0470

Shaft and bearing	Unit	100–65–250	100–65–315	125-100–200
1. Shaft diameter (at impeller)	mm	35	45	35
2. Shaft diameter (at coupling)	mm	32	42	32

Shaft and bearing	Unit	100–65–250	100–65–315	125-100–200
3. Bearing center distance	mm	224	192	224
4. The 1st critical rotation speed	RPM	5.05×10^4	7.51×10^4	4.96×10^4
5. Bearing type (drive end)		6308ZZ (40x90x23)		
6. Bearing type (pump head end)		6309ZZ (45x100x25)		

Mechanical seal	Unit	100–65–250	100–65–315	125-100–200
1. Material of mechanical seal		Carbon / ceramic / fluorine rubber (dynamic / static ring / rubber)		
2. Specification of mechanical seal	mm	43		

Operation limits	Unit	100–65–250	100–65–315	125-100–200
1. Max. operating pressure	Bar	16	16	16
2. Max. water flow pressure	Bar	24	24	24
3. Max. intake water pressure	Bar	3.5	2	6
4. Service life of bearing (calculated)	Hours	28557	18000	28345
5. Max. temperature of mechanical seal	Deg C	100	100	100
6. Max. speed (drive end)	RPM	3600	3600	3600

A. Pump	Unit	125–100–250	125–100–315
1. Water outlet	mm	100	100
2. Water inlet	mm	125	125
3. Flange hole		AS2129–1982 label “ E “PN16 standard	
4. Impeller structure		Single-suction double-seal-ring type	
5. Mean thickness of pump casing	mm	11	15
6. Pole number of pump		1	1
7. Pump casing structure		Radial split back pulling type	
8. Weight of pump head	kg	126	135
9. Total delivery quantity	m^3	0.1354	0.1515
10. Bearing type		3	3

B. Impeller	Unit	125–100–250	125–100–315
1. Max. impeller diameter	mm	278	274
2. Weight of impeller (Bronze)	kg	15.2	19.8
Weight of impeller (SS304)	kg	14.0	18.3
3. Weight of bearing	kg	1.37	1.37
4. Max. redundancy of friction ring	mm	0.522	0.463

B. Impeller	Unit	125–100–250	125–100–315
Min. redundancy of friction ring	mm	0.45	0.4
5. Max. rotation inertia (Bronze)	$kg.m^2$	0.1256	0.1314
Max. rotation inertia (SS304)	$kg.m^2$	0.1108	0.1159

Shaft and bearing	Unit	125–100–250	125–100–315
1. Shaft diameter (at impeller)	mm	45	45
2. Shaft diameter (at coupling)	mm	42	42
3. Bearing center distance	mm	192	192
4. The 1st critical rotation speed	RPM	7.65×10^4	7.51×10^4
5. Bearing type (drive end)		6310ZZ (50x120x27)	
6. Bearing type (pump head end)		6309ZZ (55x120x29)	

Mechanical seal	Unit	125–100–250	125–100–315
1. Material of mechanical seal		Carbon / ceramic / fluorine rubber (dynamic / static ring / rubber)	
2. Specification of mechanical seal	mm	53	

Operation limits	Unit	125–100–250	125–100–315
1. Max. operating pressure	Bar	16	16
2. Max. water flow pressure	Bar	24	24
3. Max. intake water pressure	Bar	3.5	2
4. Service life of bearing (calculated)	Hours	18122	17500
5. Max. temperature of mechanical seal	Deg C	100	100
6. Max. speed (drive end)	RPM	3000	3000

A. Pump	Unit	150–125–250	150-125-315	150–125–400	150–125–500
1. Water outlet	mm	125	125	115	125
2. Water inlet	mm	150	150	150	150
3. Flange hole		AS2129–1982 label " L "PN16 standard			
4. Impeller structure		Single-suction double-seal-ring type		Single-suction single seal ring type	
5. Mean thickness of pump casing	mm	14	15	16	20
6. Pole number of pump		1	1	1	1
7. Pump casing structure		Radial split back pulling type			
8. Weight of pump head	kg	140	150	196	336
9. Total delivery quantity	m^3	0.1622	0.2128	0.2396	03675
10. Bearing type		3	3	3	4

B. Impeller	Unit	150–125–250	150-125-315	150–125–400	150–125–500
1. Max. impeller diameter	mm	278	342	438	438
2. Weight of impeller (Bronze)	kg	15.2	20.2	28.5	42.5
Weight of impeller (SS304)	kg	14.0	18.6	26.3	39.2
3. Weight of bearing	kg	1.37	1.37	1.37	2.11
4. Max. redundancy of friction ring	mm	0.522	0.522	0.522	0.522
Min. redundancy of friction ring	mm	0.45	0.45	0.45	0.45
5. Max. rotation inertia (Bronze)	$kg.m^2$	0.1159	0.2396	0.5516	0.9592
Max. rotation inertia (SS304)	$kg.m^2$	0.1022	0.2113	0.4865	0.8460

Shaft and bearing	Unit	150–125–250	150-125-315	150–125–400	150–125–500
1. Shaft diameter (at impeller)	mm	45	45	45	53
2. Shaft diameter (at coupling)	mm	42	42	42	48
3. Bearing center distance	mm	192	192	192	258
4. The 1st critical rotation speed	RPM	7.81×10^4	7.19×10^1	8.5×10^2	4.11×10^2
5. Bearing type (drive end)		6310ZZ (50x110x27)		6313ZZ (65x140x33)	
6. Bearing type (pump head end)		6309ZZ (55x120x29)		6313ZZ (65x140x33)	

Mechanical seal	Unit	150–125–250	150-125-315	150–125–400	150–125–500
1. Material of mechanical seal		Carbon / ceramic / fluorine rubber (dynamic / static ring / rubber)			
2. Specification of mechanical seal	mm	53		60	

Operation limits	Unit	150–125–250	150-125-315	150–125–400	150–125–500
1. Max. operating pressure	Bar	16	16	16	16
2. Max. water flow pressure	Bar	24	24	24	24
3. Max. intake water pressure	Bar	3.5	2	7	4.5
4. Service life of bearing (calculated)	Hours	42000	39235	32000	24538
5. Max. temperature of mechanical seal	Deg C	100	100	100	100
6. Max. speed (drive end)	RPM	2350	2350	2350	1800

A. Pump	Unit	200–150–315	200–150–400	200–150–500	250-200–315	250–200–400
1. Water outlet	mm	150	150	150	200	200
2. Water inlet	mm	200	200	220	250	250
3. Flange hole		AS2129–1982 label " E "PN16 standard				
4. Impeller structure		Single-suction single seal ring type				
5. Mean thickness of pump casing	mm	16	18	22	17	19
6. Pole number of pump		1	1	1	1	1
7. Pump casing structure		Radial split back pulling type				
8. Weight of pump head	kg	222	300	382	277	340
9. Total delivery quantity	m^3	0.3264	0.3493	0.4109	0.3577	0.3998
10. Bearing type		4	4	4	4	4

B. Impeller	Unit	200–150–315	200–150–400	200–150–500	250-200–315	250–200–400
1. Max. impeller diameter	mm	342	438	547	342	438
2. Weight of impeller (Bronze)	kg	23.2	42	51.6	34.6	37.6
Weight of impeller (SS304)	kg	21.4	38.8	47.6	31.9	37.6
3. Weight of bearing	kg	2.11	2.11	2.11	2.11	2.11
4. Max. redundancy of friction ring	mm	0.572	0.572	0.572	0.581	0.581
Min. redundancy of friction ring	mm	0.5	0.5	0.5	0.5	0.5
5. Max. rotation inertia (Bronze)	$kg.m^2$	0.2924	0.7434	1.5333	0.3655	0.7554
Max. rotation inertia (SS304)	$kg.m^2$	0.2579	0.6557	1.3521	0.3224	0.6663

Shaft and bearing	Unit	200–150–315	200–150–400	200–150–500	250-200–315	250–200–400
1. Shaft diameter (at impeller)	mm	53	53	53	53	53
2. Shaft diameter (at coupling)	mm	48	48	48	48	48
3. Bearing center distance	mm	258	258	258	258	258
4. The 1st critical rotation speed	RPM	5.01×10^4	4.45×10^2	4.08×10^2	4.74×10^4	4.43×10^4
5. Bearing type (drive end)		6313ZZ (65x140x33)				
6. Bearing type (pump head end)		6313ZZ (65x140x33)				

Mechanical seal	Unit	200–150–315	200–150–400	200–150–500	250-200–315	250–200–400
1. Material of mechanical seal		Carbon / ceramic / fluorine rubber (dynamic / static ring / rubber)				
2. Specification of mechanical seal	mm	60				

Operation limits	Unit	200–150–315	200–150–400	200–150–500	250-200–315	250–200–400
1. Max. operating pressure	Bar	16	16	16	16	16
2. Max. water flow pressure	Bar	24	24	24	24	24
3. Max. intake water pressure	Bar	2	7	4.5	2	7
4. Service life of bearing (calculated)	Hours	28588	28676	21559	27689	23129
5. Max. temperature of mechanical seal	Deg C	100	100	100	100	100
6. Max. speed (drive end)	RPM	2350	2350	2350	1800	1800

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2) a leading global water technology company.

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