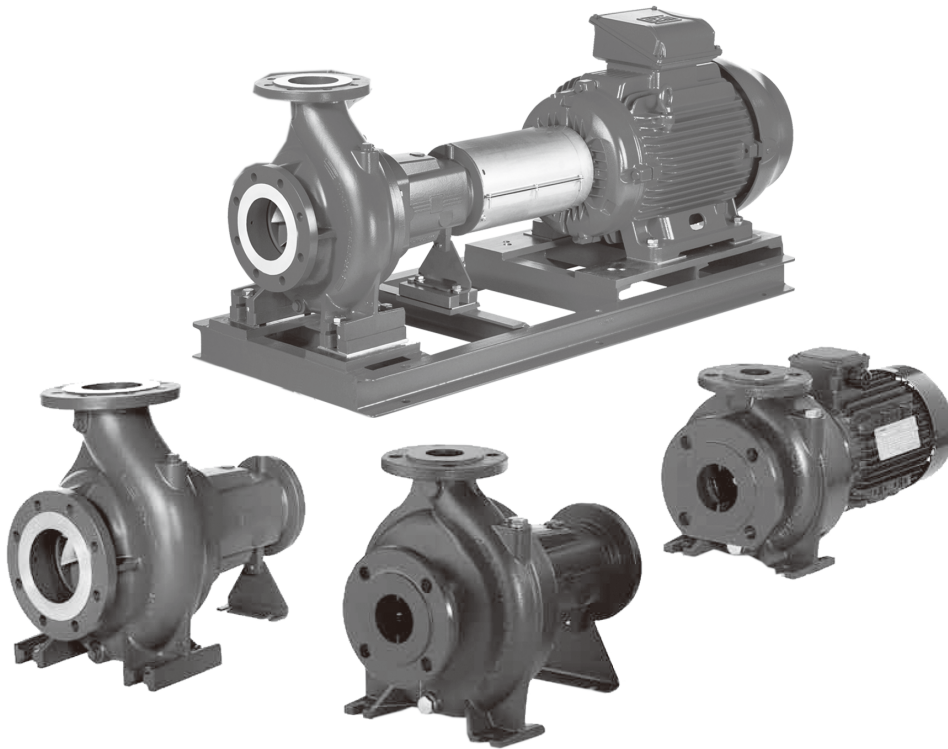




e1610/e1631

Technical Manuals

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e1610 & e1631 Series General Introduction

The new e1610 series is the result of the close collaboration between our customers and us; the new Range has been redesigned and improved to meet the Commercial Building Services (CBS) requirements, in Term of performances and energy saving.

In addition the new e1610 series can be customized to meet the needs of the Industry segment, keeping the quality in the production and the continuous reliability and robustness in the operation.

1. Pump design

The new e-1610 series is a centrifugal end-suction electric-pump with single-stage, axial flanged suction port, Radial flanged discharge and horizontal shaft. The e1610 pumps have cast iron casing and stainless steel Impeller or bronze impeller as standard but are also available in a wide range of materials, from bronze to Duplex stainless steel, to allow for various pumping needs.

The pumps are equipped with elastomer bellowsmechanical seal, IE3 or IE2 efficiency motors, and are Designed with a back pull-out configuration (impeller, adapter, and motor can be extracted without Disconnecting the pump body from the piping system) CJ Series flexible coupling from Martin brand is standard options for e1610 series Pump.

This series pumps are available in the following constructions:

- e1631 end suction pump

Stub shaftconstruction Rigid-coupled with a bracket, an adaptor and a rigid coupling keyed to the standard motor shaft extension.



- e1610 end suction pump

Frame mounted construction Flexible-coupled with bracket, support,flexing coupling, aligning and anchoringbase.



2. Hydraulic specifications

Maximum delivery: Up to 715m³/h for 2 poles range Up to 2200m³/h for 4 poles range

Maximum head: Up to 160m for 2 poles range Up to 130m for 4 poles range.

Hydraulic performance compliant with ISO9906-2012(Grade 3B)

Fluid temperature range:

- Standard version (with mechanical seal BQ1EGG and EPDM gasket) -25 to +120 °C

- Versions on request (depending on mechanical seal and gasket) -20 or -25 to +120 °C

Specialconfiguration pump operating temperature up to +140 °C

Maximum operating pressure: Pumpequipped with elastomer bellowsmechanical seal

- Version with mechanical seal BQ1EGGand cast iron orstainless steel or cast ductile Iron casing
16 bar @ 90 °C and 13.5 bar @ 120 °C.
- Version with mechanical seal BQ1VGG and cast iron or stainless steel or cast ductile iron casing
16 bar @ 90 °C and 13.5 bar @ 120 °C;
- Version with mechanical seal Q1Q1EGG and cast iron or stainless steel or cast ductile iron casing 16 bar@120°C.
- Version with mechanical seal Q1Q1VGG and cast iron or stainless steel or cast ductile iron casing 16 bar @ 120°C.

Above mentioned the maximum operating pressure is suitable for clean water or similar to the medium of Water
More information, see the back chapter on mechanical seal and the pump operating pressure range Connection dimensions according to EN 733 for below models:

1.25AS/A/B、 1.5AS/A/B/C、 2AS/A/B/C、 2.5AS/A/B/C/D、
3.25A/B/C/D、 4B/C/D/E、 5C/D/E、 6D/E

3. Motor specifications

Squirrel cage in short circuit enclosed construction with external ventilation (TEFC).

2-pole and 4-pole ranges. IP55 protection degree as motor

Performance according to EN 60034-1 IE3 efficiency level (three-phase from 0.75)

155 (F) insulation class

Standard voltage: 3X380V 60Hz

Other voltage on request Maximum ambient temperature: 40 °C.

e1610 & e1631 Applications & Benefits

1. For commercial buildings services (CBS) Applications

The e 1610 & e 1631 series is suitable for many different applications demanding reliable and efficient Products that require constant or variable duty points in cost saving operation The e 1610 & e 1631 Series can be used for the following CBS applications:

- **HVAC**

- Liquid transfer in heating systems
- Liquid transfer in air-conditioning systems
- Liquid transfer in ventilation systems

- **Water Supply**

- Pressure boosting in commercial buildings.
- Irrigation systems
- Water transfer for green houses.

- **Fire Fighting**

Benefits

The e1610 & e1631 series permit to achieve the following benefits:

• **Performances:** e1610 & e1631 pumps are ErP 2015 compliant, equipped with IE3 motors and With the right hydraulic coverage for CBS applications the standard version with PN16, 120 °C maximum fluid temperature and EPDM elastomer is exactly what The CBS Market needs.:

• **Reliability:** The high quality in production, the robust construction and operation, the easily Interchangeable mechanical seals, and wear rings guarantee a continuous operation Without faults and a shorter down time for maintenance.

• **Versatility:** Beside the standard offer, the e1610 & e1631 series is available in many different Material configurations for casing, impeller, and elastomers as well as different Construction methods to address a wide range of applications

• **Total cost ownership:** the best hydraulic and electric efficiency, the easy and quick maintenance, Permit to reduce the operation and maintenance cost and to save energy when the Pump is working.

• **Pre-Postsales support:** we are continuously working close to our customers to help them in Selecting the right pump for the specific application an improved user-friendly selection Software improved with many selection tools is available on the website. Experienced Engineers are fully dedicated to big projects for Municipality.

Features

- > Discharge ports DN32 to DN300
- > Wide performance range up to 160 m head and 2200 m³/h flow
- > Nominal pressure of 16 bar
- > Wide range of temperatures for pumped liquids: -25°C to +120°C
- > Wide range of materials for many different kinds of pumped liquid.
- > Wide range of voltages.
- > High performance IE3 motors.

2. For Industry Applications

The e 1610 & e 1631 series and the different available configurations and standard options have been Designed to cover a wide range of applications in the Industry segment the e-NSC series can be installed In machines where compactness and high performances are a must or within industrial processes where the User looks for a robust and reliable design for the handling of many different liquids.

The e 1610 & e1631 series can be used for the following Industry applications:

• Process

- Process cooling
- Process heating
- Heat recovery

• Water Supply

- Water boosting
- Water treatment
- Washing and cleaning

Benefits

The e1610 & e1631 Series permit to achieve the following benefits:

- **Efficiency:** new designed high efficiency hydraulics, IE3 motors, Sets the basis for very low operation costs
- **Reliability:** various mechanical seal materials and options are available to meet the exact needs of Your specific application the e1610 is also designed for easy maintenance and all Service points are easily reachable to reduce downtime.
- **Know How:** the perfect configuration for an application can be made with the selection tool or with The support of our industrial experienced employees
- **A global platform:** the e1610 & e1631 series are assembled in different factories across the world To make the e-1610 always "closer" to our customer beyond our commitment to Reduce the carbon footprint of e 1610, this global platform secures the availability of The same design with the same quality processes everywhere

Features

- > Discharge ports DN32 to DN300
- > Wide performance range up to 160 m head and 2200 m³/h flow
- > Nominal pressure of 16 Bar
- > Wide range of temperatures for pumped liquids: -25°C to +120°C
- > Wide range of materials for many different kinds of pumped liquid
- > Wide range of voltages
- > High performance IE3 motors

e1610 & e1631 list of Models at 60HZ, 2Poles

Size	KW	e1631	e1610	Size	KW	e1631	e1610
1.25AS 1.5KW 2P	1.5	•	•	2C 22KW 2P	22	•	•
1.25AS 2.2KW 2P	2.2	•	•	2C 30KW 2P	30	•	•
1.25AS 3KW 2P	3	•	•	2C 37KW 2P	37	•	•
1.25AS 4KW 2P	4	•	•			•	•
1.25AS 5.5KW 2P	5.5	•	•	2D 55KW 2P	55	•	•
1.25A 4KW 2P	4	•	•	2D 75KW 2P	75	•	•
1.25A 5.5KW 2P	5.5	•	•			•	•
1.25A 7.5KW 2P	7.5	•	•	2.5AS 7.5KW 2P	7.5	•	•
1.25A 11KW 2P	11	•	•	2.5AS 11KWA 2P	11	•	•
1.25B 7.5KW 2P	7.5	•	•	2.5AS 11KW 2P	11	•	•
1.25B 11KW 2P	11	•	•			•	•
1.25B 11KW 2P	11	•	•	2.5A 15KW 2P	15	•	•
1.25C 11KW 2P	11	•	•	2.5A 18.5KW 2P	18.5	•	•
1.25C 15KW 2P	15	•	•	2.5A 22KW 2P	22	•	•
1.25C 18.5KW 2P	18.5	•	•	2.5A 30KW 2P	30	•	•
1.25C 22KW 2P	22	•	•	2.5B 22KW 2P	22	•	•
1.5AS 3KW 2P	3	•	•	2.5B 30KW 2P	30	•	•
1.5AS 4KW 2P	4	•	•	2.5B 37KW 2P	37	•	•
1.5AS 5.5KW 2P	5.5	•	•	2.5C 45KW 2P	45	•	•
1.5AS 7.5KW 2P	7.5	•	•	2.5C 55KW 2P	55	•	•
1.5A 5.5KW 2P	5.5	•	•	2.5C 75KW 2P	75	•	•
1.5A 7.5KW 2P	7.5	•	•	2.5D 75KW 2P	75	•	•
1.5A 11KWA 2P	11	•	•	2.5D 90KW 2P	90	•	•
1.5A 11KW 2P	11	•	•	2.5D 110KW 2P	110	N/A	•
1.5B 11KWA2P	11	•	•	3.25A 18.5KW 2P	18.5	•	•
1.5B 11KW 2P	11	•	•	3.25A 22KW 2P	22	•	•
1.5B 15KW 2P	15	•	•	3.25A 30KW 2P	30	•	•
1.5B 18.5KW 2P	18.5	•	•	3.25A 37KW 2P	37	•	•
1.5C 18.5KW 2P	18.5	•	•	3.25B 45KW 2P	45	•	•
1.5C 22KW 2P	22	•	•	3.25B 55KW 2P	55	•	•
1.5C 30KW 2P	30	•	•	3.25B 75KW 2P	75	•	•
1.5C 37KW 2P	37	•	•	3.25C 55KW 2P	55	•	•
				3.25C 75KW 2P	75	•	•
2AS 5.5KW 2P	5.5	•	•				
2AS 7.5KW 2P	7.5	•	•	4A 30KW 2P	30	•	•
2AS 11KWA 2P	11	•	•	4A 37KW 2P	37	•	•
2AS 11KW 2P	11	•	•	4A 45KW 2P	45	•	•
2A 11KWA 2P	11	•	•	4A 55KW 2P	55	•	•
2A 11KW 2P	11	•	•	4B 55KW 2P	55	•	•
2A 15KW 2P	15	•	•	4B 75KW 2P	75	•	•
2A 18.5KW 2P	18.5	•	•	4B 90KW 2P	90	•	•
				4B 110KW 2P	110	N/A	•
2B 18.5KW 2P	18.5	•	•	4C 90KW 2P	90	•	•
2B 22KW 2P	22	•	•	4C 110KW 2P	110	N/A	•
2B 30KW 2P	30	•	•	5B 75KW 2P	75	•	•
				5B 90KW 2P	90	•	•
				5B 110KW 2P	110	N/A	•

Note: • = Available

N/A=Not Application

e1610& e 1631 list of Models at 60HZ, 4 Poles

Size	KW	e1631	e1610	Size	KW	e1631	e1610
1.25AS 0.25KW 4P(*)	0.25	N/A	•	2.5B 3KW 4P	3	•	•
1.25AS 0.37KW 4P(*)	0.37	N/A	•	2.5B 4KW 4P	4	•	•
1.25AS 0.55KW 4P	0.55	•	•	2.5B 5.5KWA 4P	5.5	•	•
1.25AS 0.75KW 4P	0.75	•	•	2.5B 5.5KW 4P	5.5	•	•
1.25A 0.55KW 4P	0.55	•	•	2.5B 7.5KW 4P	7.5	•	•
1.25A 0.75KW 4P	0.75	•	•				
1.25A 1.1KW 4P	1.1	•	•				
				2.5C 11KWA 4P	11	•	•
1.25B 1.1KW 4P	1.1	•	•	2.5C 11KW 4P	11	•	•
1.25B 1.5KW 4P	1.5	•	•				
1.25B 2.2KW 4P	2.2	•	•	2.5D 11KW 4P	11	•	•
				2.5D 15KW 4P	15	•	•
1.25C 2.2KW 4P	2.2	•	•				
1.25C 3KWA 4P	3	•	•	2.5D 18.5KW 4P	18.5	•	•
1.25C 3KW 4P	3	•	•	2.5D 22KW 4P	22	•	•
1.25C 4KW 4P	4	•	•	3.25A 2.2KWA 4P	2.2	•	•
1.5AS 0.37KW 4P(*)	0.37	N/A	•	3.25A 3KW 4P	3	•	•
1.5AS 0.55KW 4P	0.55	•	•	3.25A 4KW 4P	4	•	•
1.5AS 0.75KW 4P	0.75	•	•	3.25A 5.5KW 4P	5.5	•	•
1.5AS 1.1KW 4P	1.1	•	•	3.25B 5.5KW 4P	5.5	•	•
1.5A 0.75KW 4P	0.75	•	•	3.25B 7.5KW 4P	7.5	•	•
1.5A 1.1KW 4P	1.1	•	•	3.25B 11KW 4P	11	•	•
1.5A 1.5KWA 4P	1.5	•	•	3.25C 7.5KW 4P	7.5	•	•
1.5A 1.5KW 4P	1.5	•	•	3.25C 11KWA 4P	11	•	•
1.5B 1.5KW 4P	1.5	•	•	3.25C 11KW 4P	11	•	•
1.5B 2.2KW 4P	2.2	•	•	3.25C 15KW 4P	15	•	•
1.5B 3KW 4P	3	•	•	3.25D 15KW 4P	15	•	•
				3.25D 18.5KW 4P	18.5	•	•
1.5C 2.2KW 4P	2.2	•	•	3.25D 22KW 4P	22	•	•
1.5C 3KW 4P	3	•	•	3.25D 30KW 4P	30	•	•
1.5C 4KW 4P	4	•	•	3.25D 37KW 4P	37	N/A	•
1.5C 5.5KW 4P	5.5	•	•	3.25E 37KW 4P	37	•	•
				3.25E 45KW 4P	45	•	•
2AS 0.75KW 4P	0.75	•	•	3.25E 55KW 4P	55	•	•
2AS 1.1KWA 4P	1.1	•	•	3.25E 75KW 4P	75	•	•
2AS 1.1KW 4P	1.1	•	•			•	•
2AS 1.5KW 4P	1.5	•	•	4A 4KW 4P	4	•	•
2A 1.1KW 4P	1.1	•	•	4A 5.5KW 4P	5.5	•	•
2A 1.5KW 4P	1.5	•	•	4A 7.5KW 4P	7.5	•	•
2A 2.2KW 4P	2.2	•	•	4B 5.5KW 4P	5.5	•	•
2A 3KW 4P	3	•	•	4B 7.5KW 4P	7.5	•	•
2B 2.2KW 4P	2.2	•	•	4B 11KW 4P	11	•	•
2B 3KWA 4P	3	•	•	4B 15KW 4P	15	•	•
2B 3KW 4P	3	•	•	4C 11KW 4P	11	•	•
2B 4KW 4P	4	•	•	4C 15KW 4P	15	•	•
				4C 18.5KW 4P	18.5	•	•
2C 4KW 4P	4	•	•	4D 22KW 4P	22	•	•
2C 5.5KW 4P	5.5	•	•	4D 30KW 4P	30	•	•
2C 7.5KW 4P	7.5	•	•	4D 37KW 4P	37	N/A	•
2D 7.5KW 4P	7.5	•	•	4D 45KW 4P	45	N/A	•

Note: • =Available

N/A=Not Application

Size	KW	e1631	e1610	Size	KW	e1631	e1610
2D 11KW 4P	11	•	•	4E 45KW 4P	45	•	•
2D 15KW 4P	15	•	•	4E 55KW 4P	55	•	•
2.5AS 1.1KWA 4P	1.1	•	•	4E 75KW 4P	75	•	•
2.5AS 1.1KW 4P	1.1	•	•	5B 7.5KW 4P	7.5	•	•
2.5AS 1.5KW 4P	1.5	•	•	5B 11KW 4P	11	•	•
2.5AS 2.2KW 4P	2.2	•	•	5B 15KW 4P	15	•	•
				5B 18.5KW 4P	18.5	•	•
2.5A 2.2KWA 4P	2.2	•	•	5C 15KW 4P	15	•	•
2.5A 2.2KW 4P	2.2	•	•	5C 18.5KW 4P	18.5	•	•
2.5A 3KW 4P	3	•	•	5C 22KW 4P	22	•	•
2.5A 4KW 4P	4	•	•	5C 30KW 4P	30	•	•

Note: • = Available N/A=Not Application

(*)Models, its normal motor power should be 0.25KW or 0.37KW,actually we adjust its motor power up to 0.55KW;
And its outline dimensions follow the motor of 0.55KW。

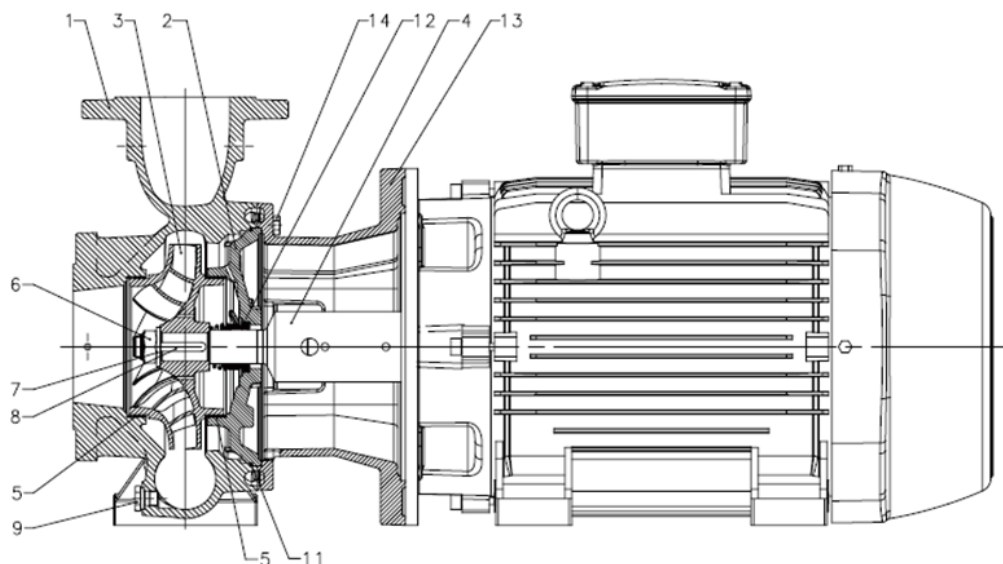
e1610 & e1631 list of Models at 60HZ, 4 Poles

Size	KW	e1631	e1610	Size	KW	e1631	e1610
5D 30KW 4P	30	•	•	8H 280KW 4P	280	N/A	•
5D 37KW 4P	37	•	•	8H 315KWA 4P	315	N/A	•
5D 45KW 4P	45	•	•	8H 315KW 4P	315	N/A	•
5D 55KW 4P	55	•	•	8H 355KW 4P	355	N/A	•
5D 75KW 4P	75	•	•	8H 280KW 4P	280	N/A	•
5E 55KW 4P	55	•	•	8H 315KW 4P	315	N/A	•
5E 75KW 4P	75	•	•	10D 75KW 4P	75	N/A	•
5E 90KW 4P	90	•	•	10D 90KW 4P	90	N/A	•
5E 110KW 4P	110	N/A	•	10D 110KW 4P	110	N/A	•
6B 15KW 4P	15	•	•	10E 132KW 4P	132	N/A	•
6B18.5KW 4P	18.5	•	•	10E 160KW 4P	160	N/A	•
6B 22KW 4P	22	•	•	10E 200KW 4P	200	N/A	•
6B 30KW 4P	30	N/A	•	10E 220KW 4P	220	N/A	•
6C 22KW 4P	22	•	•	10E 250KW 4P	250	N/A	•
6C 30KW 4P	30	•	•	10E 280KW 4P	280	N/A	•
6C 37KW 4P	37	•	•	10E 315KW 4P	315	N/A	•
6C 45KW 4P	45	•	•				
6D 45KW 4P	45	•	•				
6D 55KW 4P	55	•	•	10H 315KW 4P	315	N/A	•
6D 75KW 4P	75	•	•	10H 355KW 4P	355	N/A	•
6D 90KW 4P	90	•	•	10H 400KW 4P	400	N/A	•
6E 75KW 4P	75	•	•				
6E 90KW 4P	90	•	•				
6E 110KW 4P	110	N/A	•	12D 110KW 4P	110	N/A	•
6H 160KW 4P	160	N/A	•	12D 132KW 4P	132	N/A	•
6H 200KW 4P	200	N/A	•	12D 160KW 4P	160	N/A	•
6H 220KW 4P	220	N/A	•	12D 200KW 4P	200	N/A	•
6H 250KW 4P	250	N/A					
6H 280KW 4P	280	N/A	•	12E 200KW 4P	200	N/A	•
6H 315KW 4P	315	N/A	•	12E 220KW 4P	220	N/A	•
8C 30KW 4P	30	•	•	12E 250KW 4P	250	N/A	•
8C 37KW 4P	37	•	•	12E 280KW 4P	280	N/A	•
8C 45KW 4P	45	•	•	12E 315KW 4P	315	N/A	•
8C 55KW 4P	55	•	•	12E 355KW 4P	355	N/A	•
8D 55KW 4P	55	•	•	12E 400KW 4P	400	N/A	•
8D 75KW 4P	75	•	•				
8D 90KW 4P	90	•	•				
8D 110KW 4P	110	N/A	•				
8E 110KW 4P	110	N/A	•				
8E 132KW 4P	132	N/A	•				
8E 160KW 4P	160	N/A	•				
8E 200KW 4P	200	N/A	•				
8E 220KW 4P	220	N/A	•				
8E 250KW 4P	250	N/A	•				
8H 250KW 4P	250	N/A	•				

Note: • =Available

N/A=Not Application

e1631 Cross-section and main components

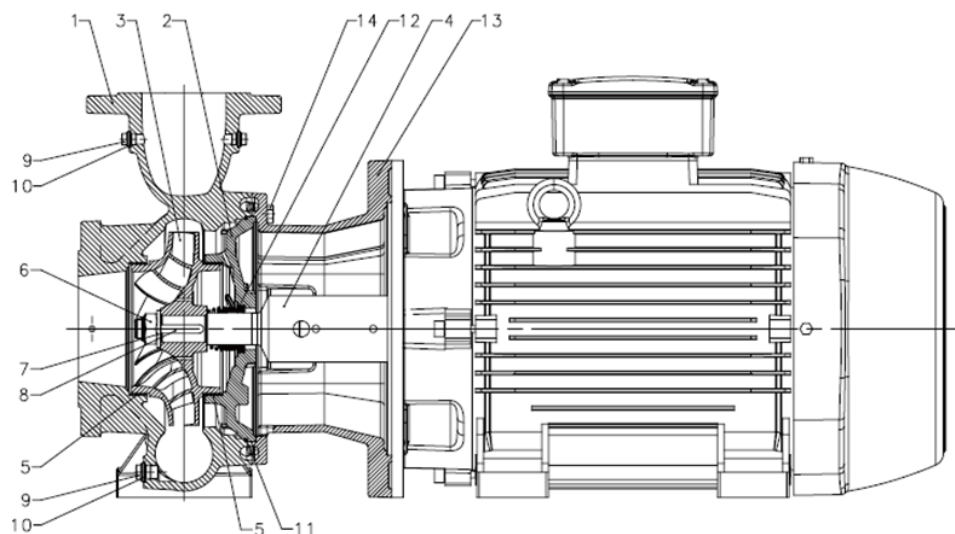


Pump size				
1.25AS	1.5AS	2AS	2.5AS	3.25A
1.25A	1.5A	2A	2.5A	3.25B
1.25B	1.5B	2B	2.5B	3.25C
1.25C	1.5C	2C	2.5C	

NUM	PART	MATERIAL	REFERENCE STANDARDS		
			EUROPE	USA	CHINA
1	Volute Casing	Cast Iron	EN 1561-GJL-250	ASTM CLASS 35	GB/T9439 - HT250
	Volute Casing (2.5,3.25)	Stainless steel	EN 10088-1-1.4301	AISI 304	GB/T1220-0Cr18Ni9
	Volute Casing (2.5,3.25)	Stainless steel	EN 10088-1-1.4401	AISI 316	GB/T1220-0Cr17Ni12Mo2
2	Casing Cover	Cast Iron	EN 1561-GJL-250	ASTM CLASS 35	GB/T9439-HT250
	Casing Cover (2.5,3.25)	Stainless steel	EN 10088-1-1.4301	AISI 304	GB/T1220-0Cr18Ni9
	Casing Cover (2.5,3.25)	Stainless steel	EN 10088-1-1.4401	AISI 316	GB/T1220-0Cr17Ni12Mo2
3	Impeller (1.25,1.5,2)	Fabricated Stainless Steel	EN 10088-1-1.4401	AISI 316	GB/T1220-0Cr17Ni12Mo2
	Impeller (2.5,3.25)	Stainless steel	EN 10088-1-1.4301	AISI 304	GB/T1220-0Cr18Ni9
	Impeller (2.5,3.25)	Stainless steel	EN 10088-1-1.4401	AISI 316	GB/T1220-0Cr17Ni12Mo2
	Impeller (2.5,3.25)	Bronze	EN 1982-CuSn10-C	UNS C90700	GB/T1176-ZCuSn10P1
4	Stub Shaft	Stainless Steel	EN 10088-1-1.4021	AISI 420	GB/T4237-20Cr13
	StubShaft (2.5AS/A/B,3.25A)	Stainless Steel	EN 10088-1-1.4401	AISI 316	GB/T1220-0Cr17Ni12Mo2
	StubShaft (2.5C,3.25B,3.25C)	Stainless Steel	EN 10088-1-1.4057	AISI 431	GB/T1220-1Cr17Ni12
5	Wear Ring	Stainless Steel	EN 10088-1-1.4301	AISI 304	GB/T1220-0Cr18Ni9
6	Impeller Nut and Washer	Stainless Steel	EN 10088-1-1.4401	AISI 431	GB/T1220-0Cr17Ni12Mo2
8	Impeller Key	Stainless Steel	EN 10088-1-1.4404	AISI 316L	GB/T1220-00Cr17Ni14Mo2
9	Fill and drain Plugs	Stainless Steel	EN 10088-1-1.4571	AISI 316Ti	GB/T1220
11	O-Ring	EPDM (Standard Version)			
12	Mechanical Seal	Carbon/Silicon carbide/EPDM (Standard Version)			
13	Adapter★	Aluminum	EN 1706-AC46100	-	
13	Adapter	Cast Iron	EN 1561-GJL-250	ASTM CLASS 35	GB/T9439-HT250
13	Motor Adapter	Cast Iron	EN 1561-GJL-250	ASTM CLASS 35	GB/T9439-HT250
16	Fastening bolts and screws	Steel			

★ Means models 1.25/1.5/2 AS and 1.25/1.5 adapter material is aluminum

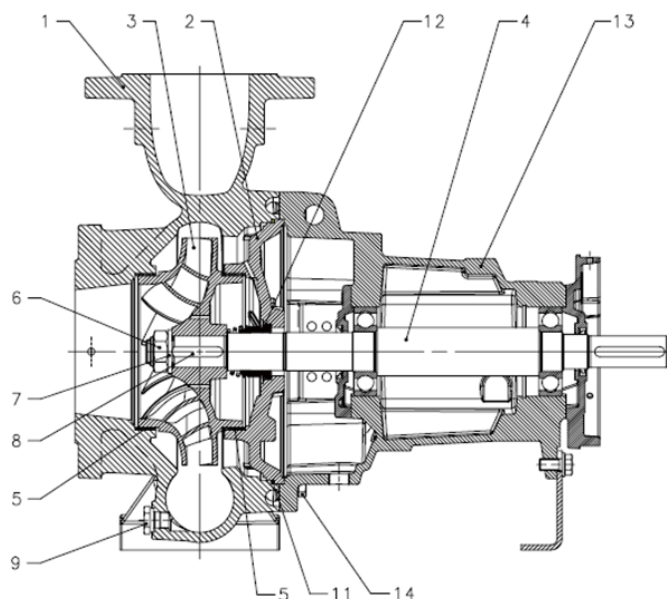
e1631 Cross-section and main components



Pump size					
2D	2.5D		3.25D	3.25E	4A
4B	4C	4D	4E	5B	5C
5D	5E	6B	6C	6D	6E
8C	8D				

NUM	PART	MATERIAL	REFERENCE STANDARDS		
			EUROPE	USA	CHINA
1	Volute Casing	Cast iron	EN 1561-GJL-250	ASTM CLASS 35	GB/T9439 - HT250
	Volute Casing	Stainless steel	1.4517	-	-
	Volute Casing (except 8C,8D)	Stainless steel	EN 10088-1-1.4401	AISI 316	GB/T1220-0Cr17Ni12Mo2
	Volute Casing (4A/B/C/D/E, 5B/C/D/E, 6C/6D/6E)	Stainless steel	EN 10088-1-1.4301	AISI 304	GB/T1220-0Cr18Ni9
	Volute Casing (8C,8D)	Ductile Iron	EN 1563-EN-GIS400-15	ASTM A536 40-60-18	GB/T1348
2	Casing Cover	Cast iron	EN 1561-GJL-250	ASTM CLASS 35	GB/T9439 - HT250
	Casing Cover	Stainless steel	1.4517	-	-
	Casing Cover (Except 8C,8D)	Stainless steel	EN 10088-1-1.4401	AISI 316	GB/T1220-0Cr17Ni12Mo2
	Casing Cover (4A/B/C/D/E, 5B/C/D/E, 6C/6D/6E)	Stainless steel	EN 10088-1-1.4301	AISI 304	GB/T1220-0Cr18Ni9
	Casing Cover (8C,8D)	Ductile Iron	EN 1563-EN-GIS400-15	ASTM A536 40-60-18	GB/T1348
3	Impeller	Stainless steel	1.4517	-	-
	Impeller	Stainless steel	EN 10088-1-1.4301	AISI 304	GB/T1220-0Cr18Ni9
	Impeller (Except 8C,8D)	Stainless steel	EN 10088-1-1.4401	AISI 316	GB/T1220-0Cr17Ni12Mo2
	Impeller	Bronze	EN 1982-CuSn10-C	UNC C90700	GB/T1176-ZCuSn10P1
4	Stub shaft	Stainless steel	EN 10088-1-1.4021	AISI 420	GB/T4237-20Cr13
	Stubshaft	Stainless steel	1.4462	AISI S31803	00Cr22Ni5Mo3N
5	Wear ring	Stainless steel	EN 10088-1.4301	AISI 304	GB/T1220-0Cr18Ni9
6,7	Impeller Nut and Washer	Stainless steel	EN 10088-1-1.4401	AISI 316	GB/T1220-0Cr17Ni12Mo2
8	Impeller key	Stainless steel	EN 10088-1-1.4571	AISI 316Ti	GB/T1220
9	Fill and drain Plugs	Stainless steel	EN 10088-1-1.4571	AISI 316Ti	GB/T1220
11	O-Ring	EPDM(Standard Version)			
12	Mechanical Seal	Carbon/Silicon carbide /EPDM (Standard Version)			
13	Motor Adapter	Cast iron	EN 1561-GJL-250	ASTM CLASS 35	GB/T9439 - HT250
14	Fastening bolts and screws	Steel			

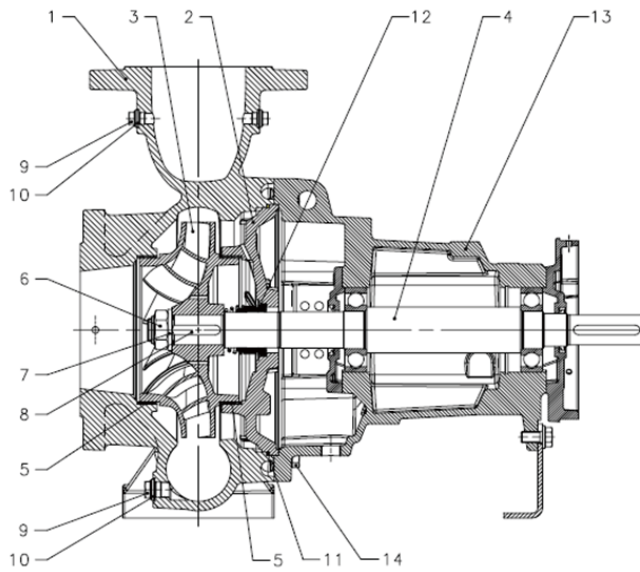
e1610 Cross-section and main components



Pump size				
1.25AS	1.25A	1.25B	1.25C	3.25A
1.5AS	1.5A	1.5B	1.5C	3.25B
2AS	2A	2B	2C	3.25C
2.5AS	2.5A	2.5B	2.5C	

NUM	PART	MATERIAL	REFERENCE STANDARDS		
			EUROPE	USA	CHINA
1	Volute Casing	Cast Iron	EN 1561-GJL-250	ASTM CLASS 35	GB/T9439 - HT250
	Volute Casing (2.5,3.25)	Stainless steel	EN 10088-1-1.4301	AISI 304	GB/T1220-0Cr18Ni9
	Volute Casing (2.5,3.25)	Stainless steel	EN 10088-1-1.4401	AISI 316	GB/T1220-0Cr17Ni12Mo2
2	Casing Cover	Cast Iron	EN 1561-GJL-250	ASTM CLASS 35	GB/T9439 - HT250
	Casing Cover (2.5,3.25)	Stainless Steel	EN 10088-1-1.4301	AISI 304	GB/T1220-0Cr18Ni9
	Casing Cover (2.5,3.25)	Stainless Steel	EN 10088-1-1.4401	AISI 316	GB/T1220-0Cr17Ni12Mo2
3	Impeller(1.25,1.5,2)	Fabricated Stainless Steel	EN 10088-1-1.4401	AISI 316	GB/T1220-0Cr17Ni12Mo2
	Impeller(2.5,3.25)	Stainless Steel	EN 10088-1-1.4301	AISI 304	GB/T1220-0Cr18Ni9
	Impeller(2.5,3.25)	Stainless Steel	EN 10088-1-1.4401	AISI 316	GB/T1220-0Cr17Ni12Mo2
	Impeller(2.5,3.25)	Bronze	EN 1982-CuSn10-C	UNS C90700	GB/T1176-ZCuSn10P1
4	Shaft	Stainless Steel	EN 10088-1-1.4021	AISI 420	GB/T4237-20Cr13
	Shaft (2.5AS/A/B,3.25A)	Stainless Steel	EN 10088-1-1.4401	AISI 316	GB/T1220-0Cr17Ni12Mo2
	Shaft (2.5C,3.25B,3.25C)	Stainless Steel	EN 10088-1-1.4057	AISI 431	GB/T1220-1Cr17Ni2
5	Wear Ring	Stainless Steel	EN 10088-1.4301	AISI 304	GB/T1220-0Cr18Ni9
6	Impeller Nut and Washer	Stainless Steel	EN 10088-1-1.4401	AISI 316	GB/T1220-0Cr17Ni12Mo2
8	Impeller Key	Stainless Steel	EN 10088-1-1.4404	AISI 316L	GB/T1220-00Cr17Ni14Mo2
9	Fill and drain Plugs	Stainless Steel	EN 10088-1-1.4571	AISI 316Ti	GB/T1220
11	O-Ring	EPDM(Standard Version)			
12	Mechanical Seal	Carbon/Silicon carbide /EPDM (Standard Version)			
13	Bearing bracket	Cast Iron	EN 1561-GJL-250	ASTM CLASS 35	GB/T9439 - HT250
14	Fastening bolts and screws	Steel			

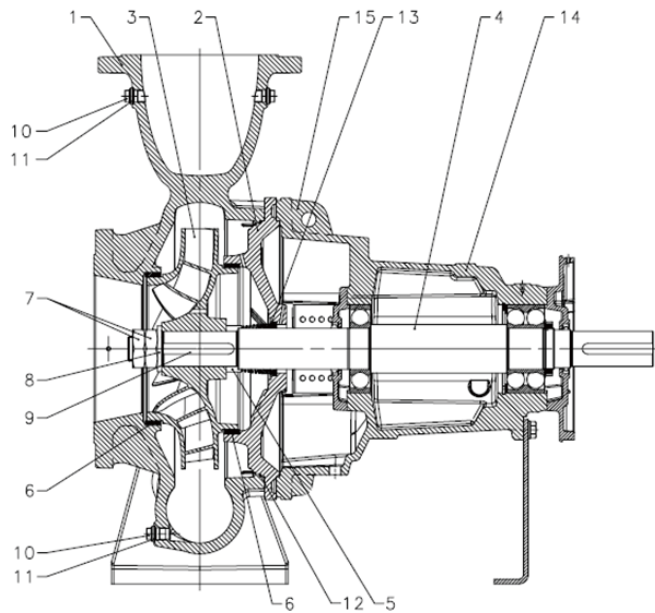
e1610 Cross-section and main components



Pump size				
2D	2.5D	3.25D		3.25E
4A	4B	4C	4D	4E
	5B	5C	5D	5E
	6B	6C	6D	6E
		8C	8D	10D

NUM	PART	MATERIAL	REFERENCE STANDARDS		
			EUROPE	USA	CHINA
1	Volute Casing	Cast iron	EN 1561-GJL-250	ASTM CLASS 35	GB/T9439 - HT250
	Volute Casing	Stainless steel	1.4517	-	-
	Volute Casing(except 8C,8D,10D)	Stainless steel	EN 10088-1-1.4401	AISI 316	GB/T1220-0Cr17Ni12Mo2
	Volute Casing (4A/B/C/D/E, 5B/C/D/E,6C/6D/6E)	Stainless steel	EN 10088-1-1.4301	AISI 304	GB/T1220-0Cr18Ni9
	Volute Casing (8C,8D,10D)	Ductile Iron	EN 1563-EN-GIS400-15	ASTM A536 40-60-18	GB/T1348
2	Casing Cover	Cast iron	EN 1561-GJL-250	ASTM CLASS 35	GB/T9439 - HT250
	Casing Cover	Stainless steel	1.4517	-	-
	Casing Cover(Except 8C,8D,10D)	Stainless steel	EN 10088-1-1.4401	AISI 316	GB/T1220-0Cr17Ni12Mo2
	Casing Cover (4A/B/C/D/E, 5B/C/D/E,6C/6D/6E)	Stainless steel	EN 10088-1-1.4301	AISI 304	GB/T1220-0Cr18Ni9
	Casing Cover (8C,8D,10D)	Ductile Iron	EN 1563-EN-GIS400-15	ASTM A536 40-60-18	GB/T1348
3	Impeller	Stainless steel	1.4517	-	-
	Impeller	Stainless steel	EN 10088-1-1.4301	AISI 304	GB/T1220-0Cr18Ni9
	Impeller (Except 8C,8D,10D)	Stainless steel	EN 10088-1-1.4401	AISI 316	GB/T1220-0Cr17Ni12Mo2
	Impeller	Bronze	EN 1982-CuSn10-C	UNC C90700	GB/T1176-ZCuSn10P1
4	Shaft	Stainless steel	EN 10088-1-1.4021	AISI 420	GB/T4237-20Cr13
	Shaft	Stainless steel	1.4462	AISI S31803	00Cr22Ni5Mo3N
5	Wear ring	Stainless steel	EN 10088-1.4301	AISI 304	GB/T1220-0Cr18Ni9
6,7	Impeller Nut and Washer	Stainless steel	EN 10088-1-1.4401	AISI 316	GB/T1220-0Cr17Ni12Mo2
8	Impeller key	Stainless steel	EN 10088-1-1.4571	AISI 316Ti	GB/T1220
9	Fill and drain Plugs	Stainless steel	EN 10088-1-1.4571	AISI 316Ti	GB/T1220
11	O-Ring	EPDM(Standard Version)			
12	Mechanical Seal	Carbon/Silicon,carbide /EPDM (Standard Version)			
13	Bearing bracket	Cast iron	EN 1561-GJL-250	ASTM CLASS 35	GB/T9439 - HT250
14	Fastening bolts and screws	Steel			

e1610 Cross-section and main components

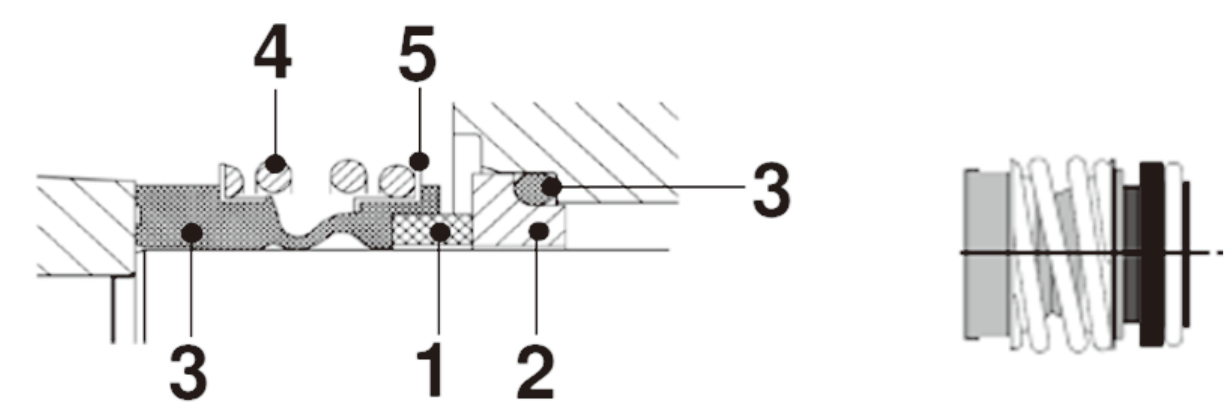


Pump Size						
6H	8E	8H	10E	10H	12D	12E

NUM	PART	MATERIAL	REFERENCE STANDARDS		
			EUROPE	USA	CHINA
1	Volute Casing	Ductile iron	EN 1563-EN-GIS400-15	ASTM A536 40-60-18	GB/T1348
	Volute Casing	Stainless steel	1.4517	-	-
2	Casing Cover	Ductile iron	EN 1563-EN-GIS400-15	ASTM A536 40-60-18	GB/T1348
	Casing Cover	Stainless steel	1.4517	-	-
3	Impeller	Stainless steel	EN 10088-1-1.4301	AISI 304	GB/T1220-0Cr18Ni9
	Impeller	Stainless steel	1.4517	-	-
	Impeller	Bronze	EN 1982-CuSn10-C	UNS C90700	GB/T1176-ZCuSn10P1
4	Shaft	Stainless steel	EN 10088-1-1.4021	AISI 420	GB/T4237-20Cr13
	Shaft	Stainless steel	1.4462	AISI S31803	00Cr22Ni5Mo3N
5	Spacer ring	Stainless steel	EN 10088-1-1.4057	AISI 431	GB/T1220-1Cr17Ni1
6	Wear ring	Stainless steel	EN 10088-1.4301	AISI 304	GB/T1220-0Cr18Ni9
7,8	Impeller Nut and Washer	Stainless steel	EN 10088-1-1.4401	AISI 316	GB/T1220-0Cr17Ni12Mo2
9	Impeller key	Stainless steel	EN 10088-1-1.4571	AISI 316Ti	GB/T1220
10	Plug	Stainless steel	EN 10088-1-1.4571	AISI 316Ti	GB/T1220
12	O-Ring	EPDM(Standard Version)			
13	Mechanical seal	Carbon/Silicon carbide /EPDM (Standard Version)			
14	Bearing bracket	Cast iron	EN 1561-GJL-250	ASTM Class 35	GB/T9439 - HT250
15	Fastening Screws	Steel			

Mechanical seals for e 1610 & e1631

Configuration of elastomer bellows mechanical seals;
 Compact design, mechanical seal with mounting dimensions according to DIN 24960,ISO3069 &EN 12756.



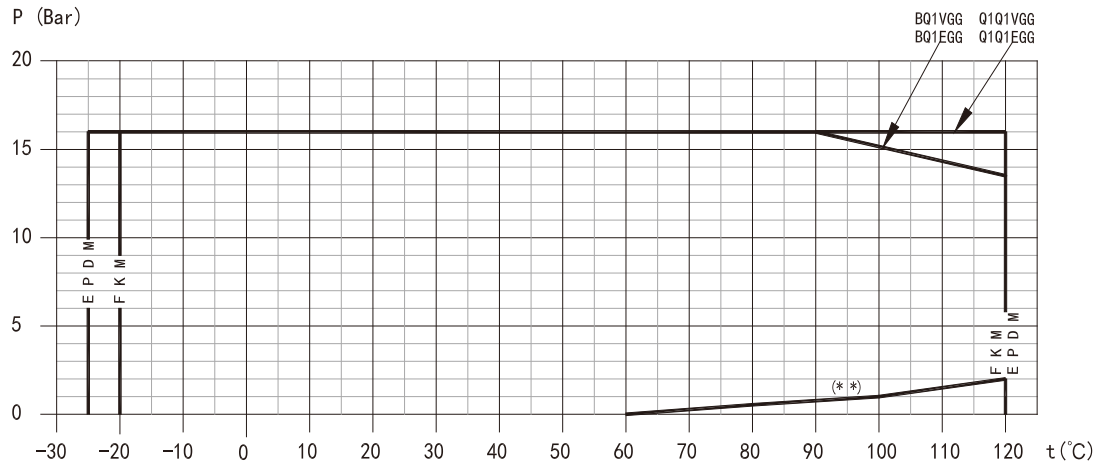
POSITION 1-2	POSITION 3	POSITION 4-5
B: Resin impregnated carbon	E : EPDM	
Q ₁ : Silicon Carbide	F: FKM(Fluorocarbon)	G: AISI 316

Type	POSITION					(bar)	°C

Standard mechanical seal							
BQ ₁ EGG	B	Q ₁	E	G	G	16/13.5	-25...+90/+120

Other types of mechanical seal							
BQ ₁ VGG	B	Q ₁	V	G	G	16/13.5	-20...+90/+120
Q ₁ Q ₁ EGG	Q ₁	Q ₁	E	G	G	16	-25 to +120
Q ₁ Q ₁ VGG	Q ₁	Q ₁	V	G	G	16	-20 to +120

Pressure/Temperature Application limits for e1610 & e1631 pump



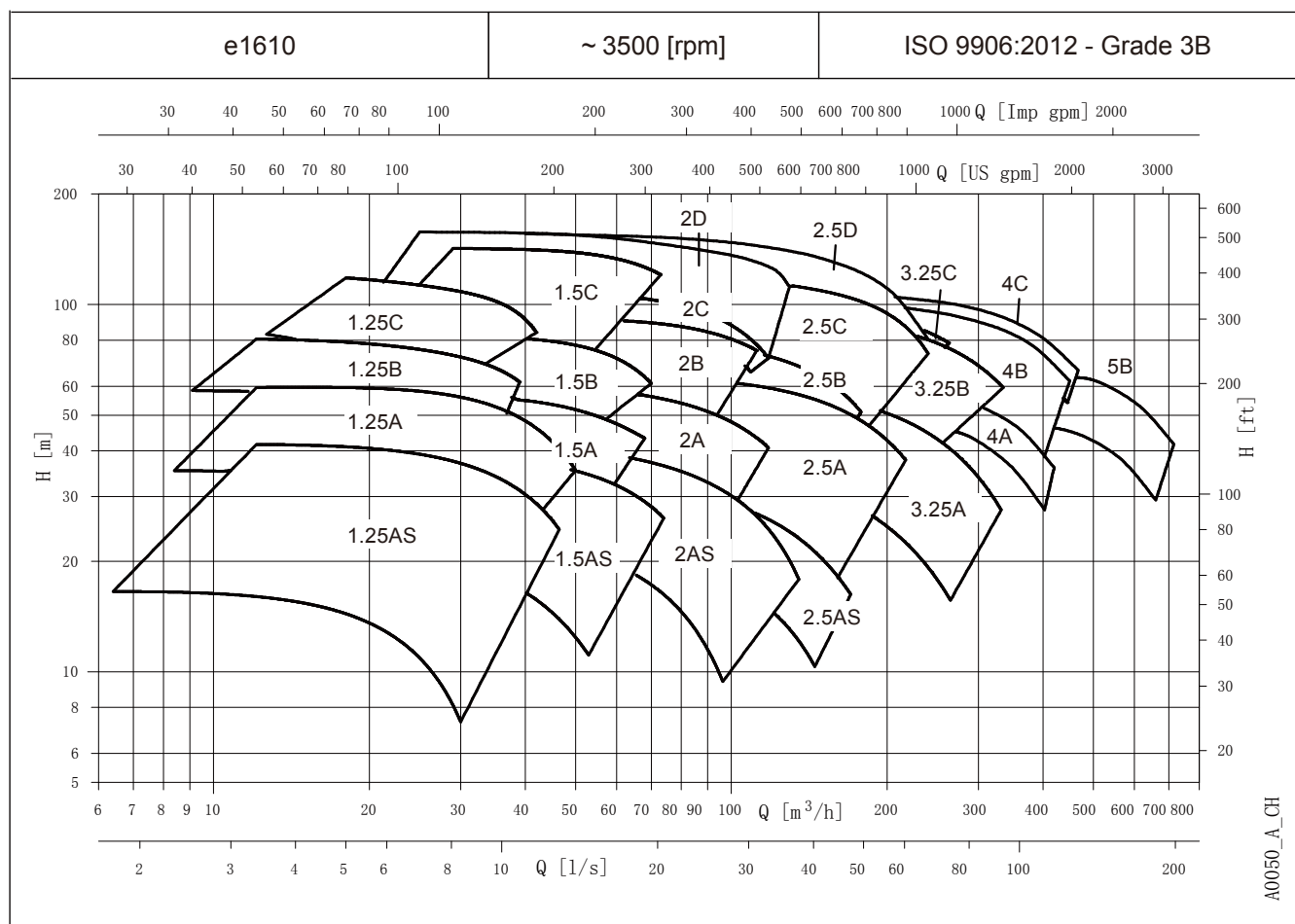
Note: 1. For water or similar to water medium, pump could normally work within the range given by above graphics.

If beyond the application limits please consult the Xylem application engineers.

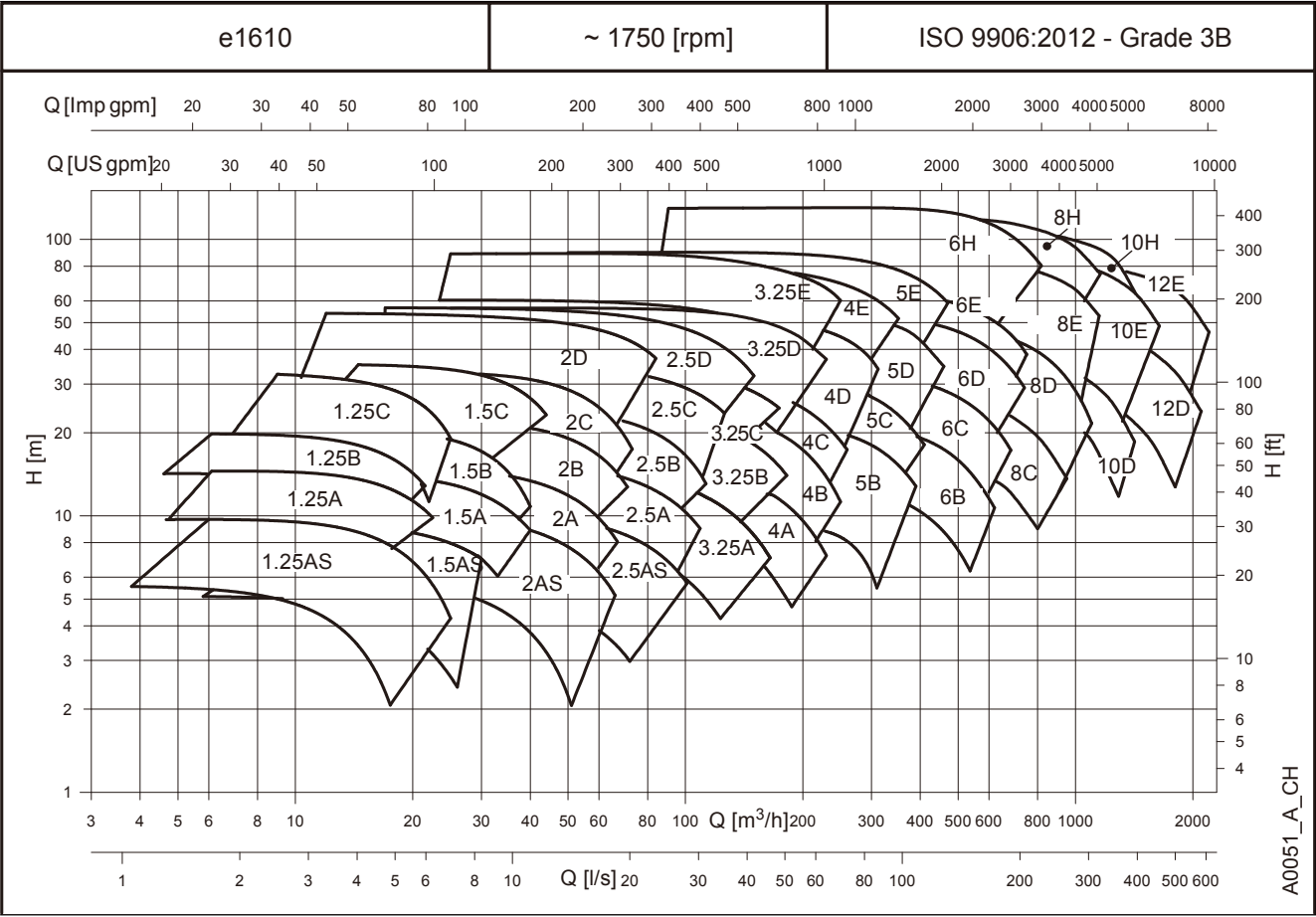
2. Material for the volute casing and casing cover are cast iron, ductile iron, stainless steel or duplex stainless steel;

3. (**) Minimum pressure required at mechanical seal (hot water, could be different in case of other liquids).

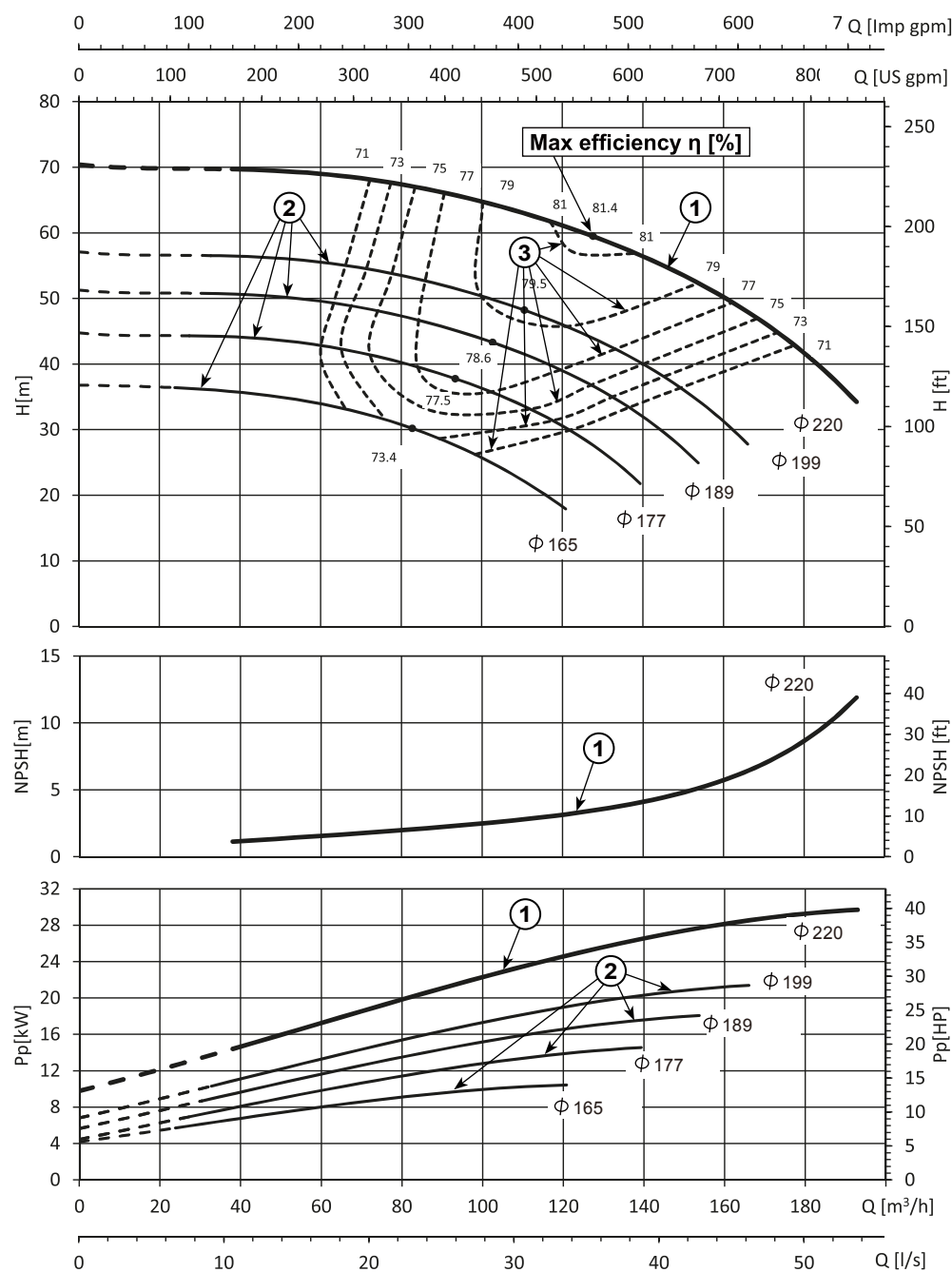
e1610 Series Hydraulic Performance Range at 60HZ, 2Poles



e1610 Series Hydraulic Performance Range at 60HZ, 4Poles

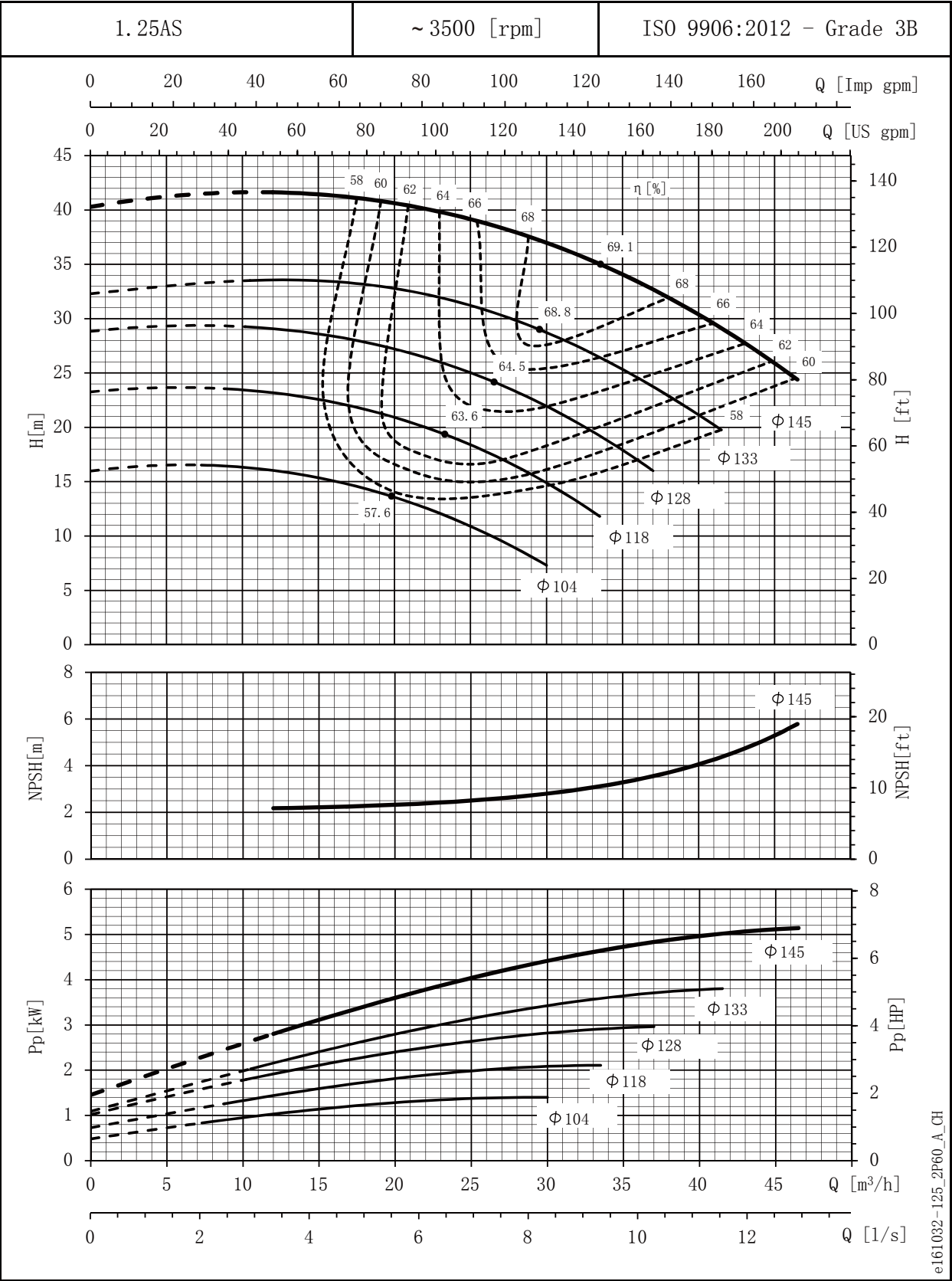


e1610 Series Identification Of Graph



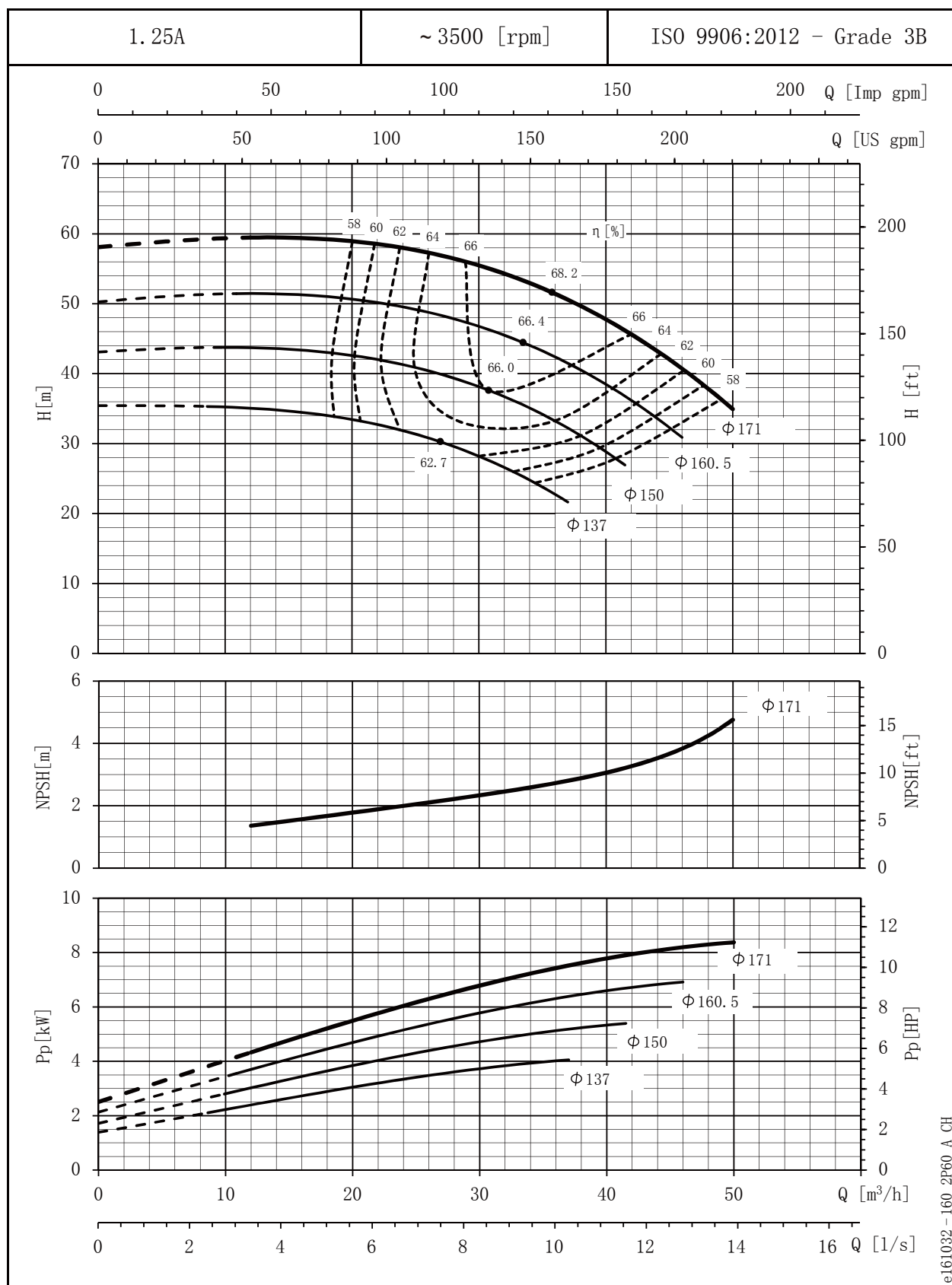
REF	TYPE	DESCRIPTION
①		Full Diameter impeller operating range
②		Trimmed diameter impeller operating range
③		Isoefficiency curves

e1610 Series Operating Characteristics At 60 Hz, 2 Poles



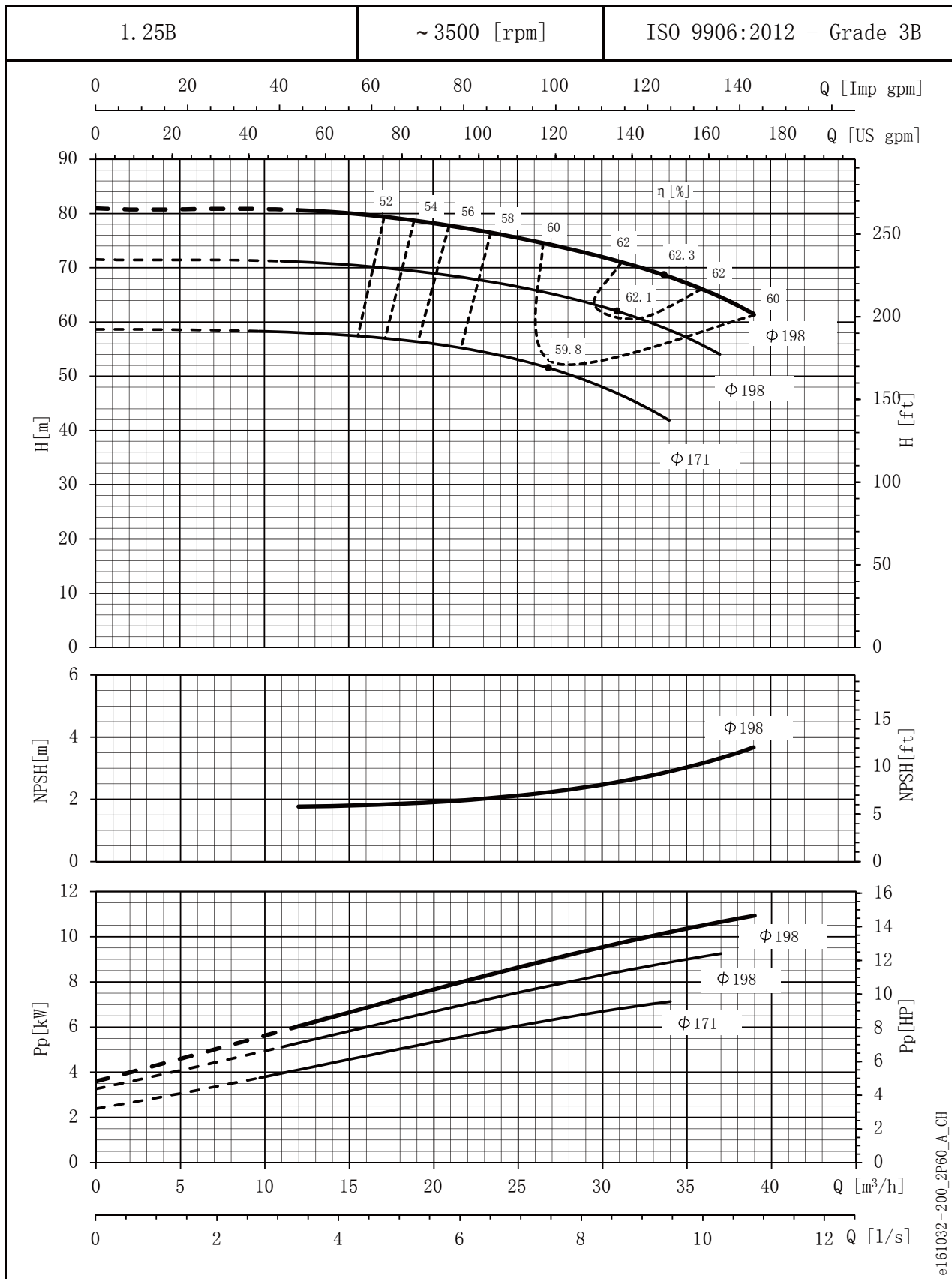
The NPSH values are laboratory values; for practical use we suggest increasing these values by 0,5 m.
These performances are valid for liquids with density $\rho = 1,0 \text{ Kg/dm}^3$ and kinematic viscosity $\nu = 1 \text{ mm}^2/\text{sec}$.

e1610 Series Operating Characteristics At 60 Hz, 2 Poles



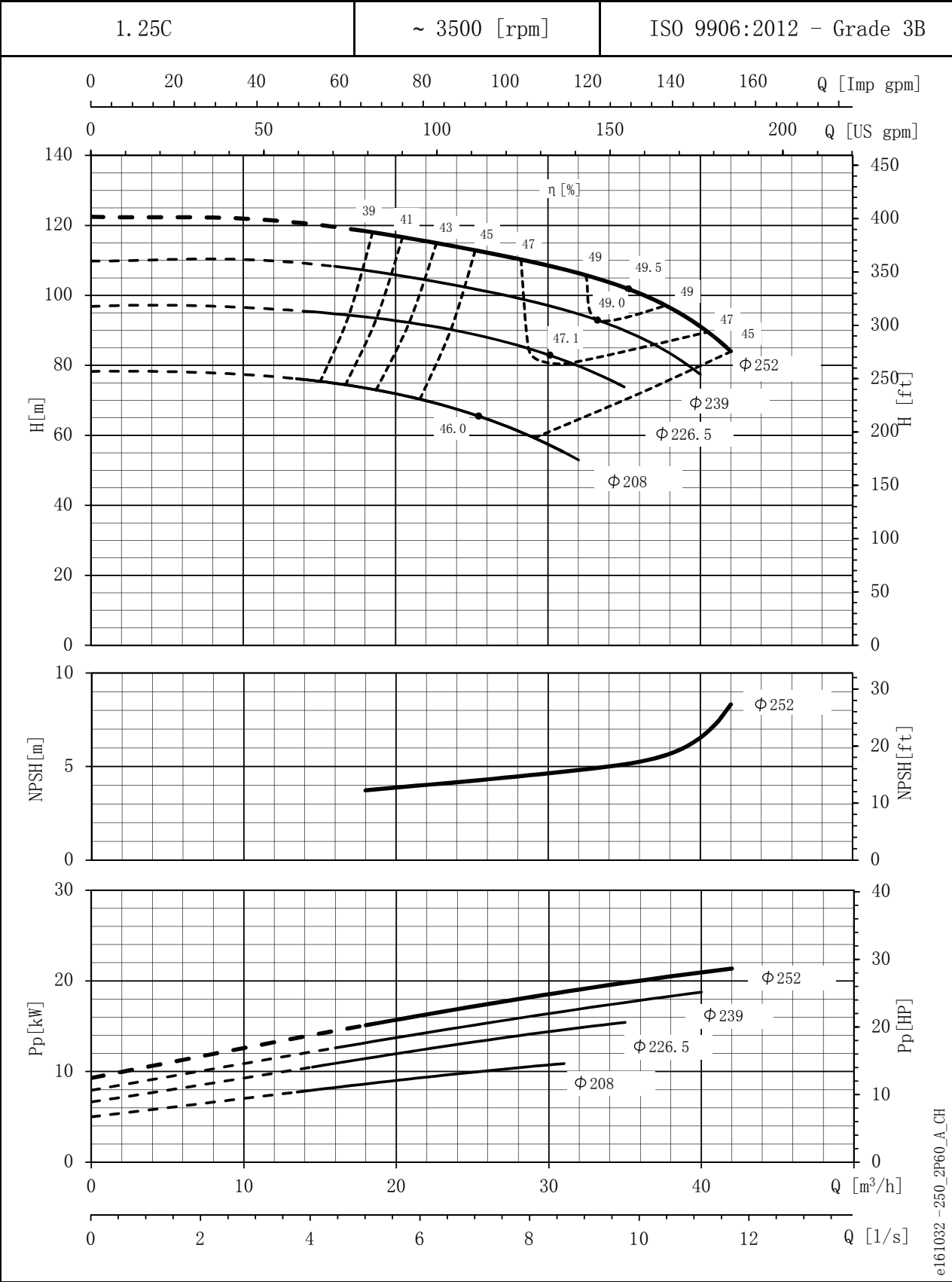
The NPSH values are laboratory values; for practical use we suggest increasing these values by 0,5 m.
 These performances are valid for liquids with density $\rho = 1,0 \text{ Kg/dm}^3$ and kinematic viscosity $\nu = 1 \text{ mm}^2/\text{sec}$.

e1610 Series Operating Characteristics At 60 Hz, 2 Poles



The NPSH values are laboratory values; for practical use we suggest increasing these values by 0,5 m.
 These performances are valid for liquids with density $\rho = 1,0 \text{ Kg/dm}^3$ and kinematic viscosity $\nu = 1 \text{ mm}^2/\text{sec}$.

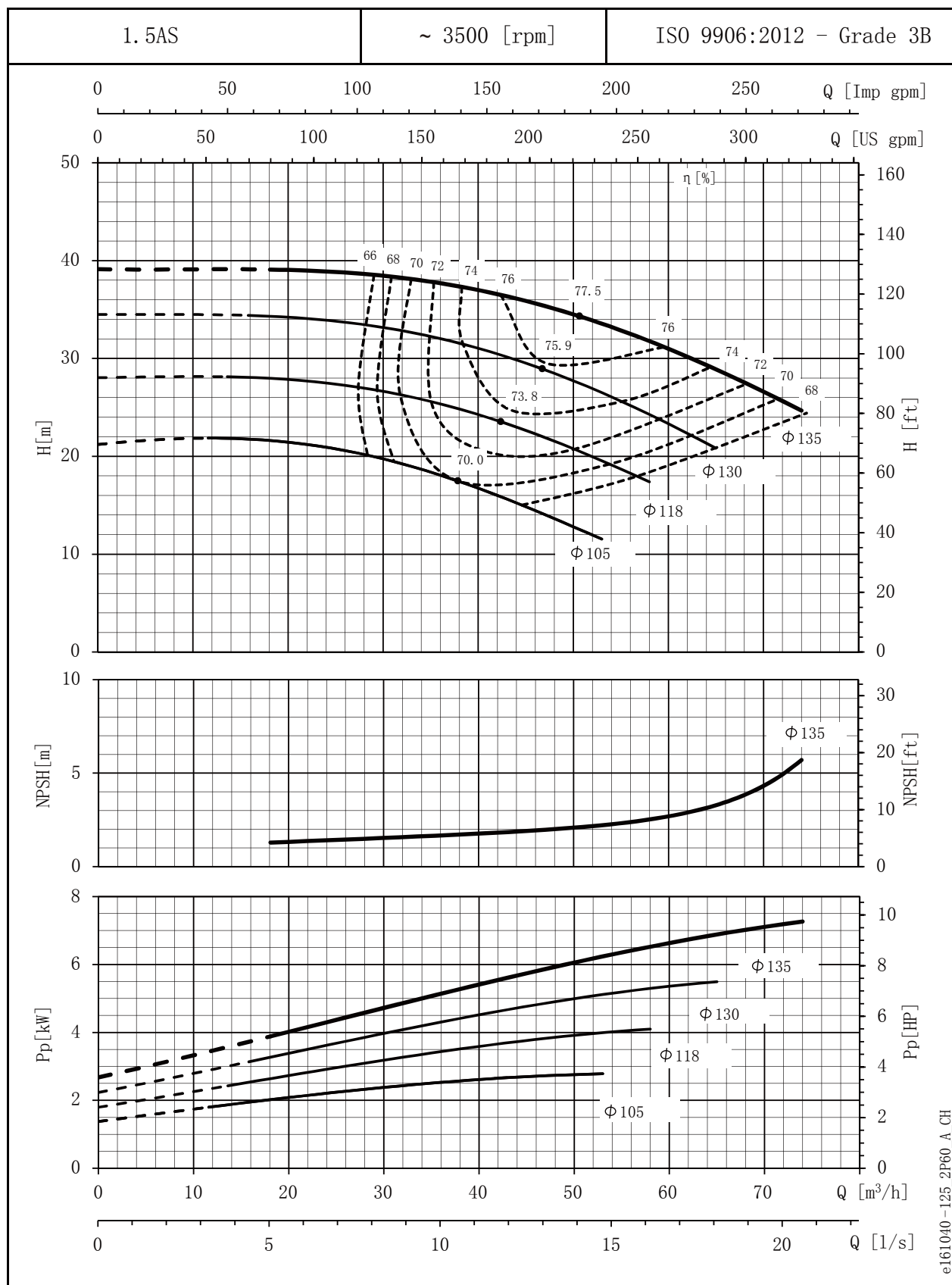
e1610 Series Operating Characteristics At 60 Hz, 2 Poles



e161032 - 250_2P60_A_CH

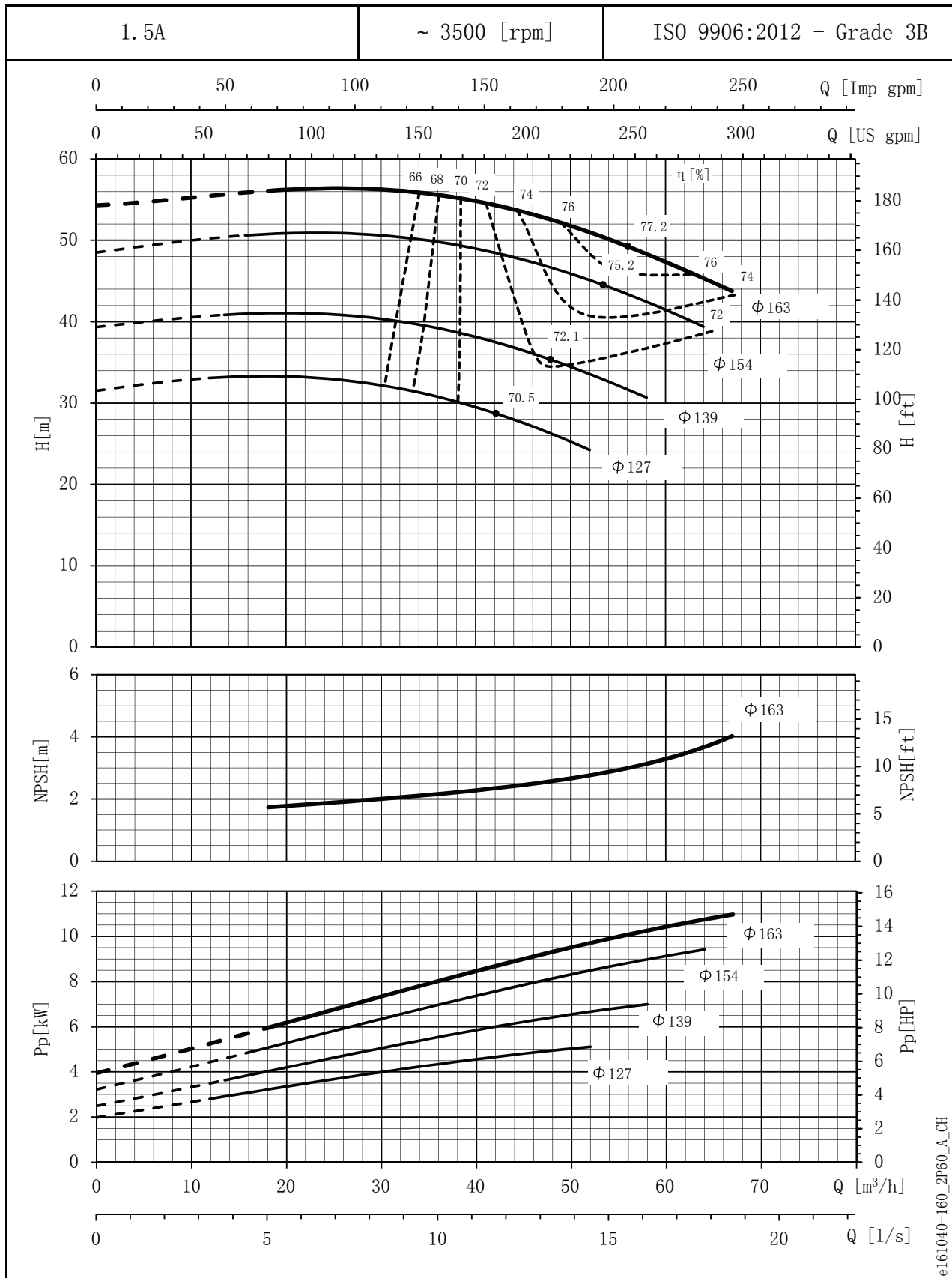
The NPSH values are laboratory values; for practical use we suggest increasing these values by 0,5 m.
These performances are valid for liquids with density $\rho = 1,0 \text{ Kg/dm}^3$ and kinematic viscosity $\nu = 1 \text{ mm}^2/\text{sec}$.

e1610 Series Operating Characteristics At 60 Hz, 2 Poles



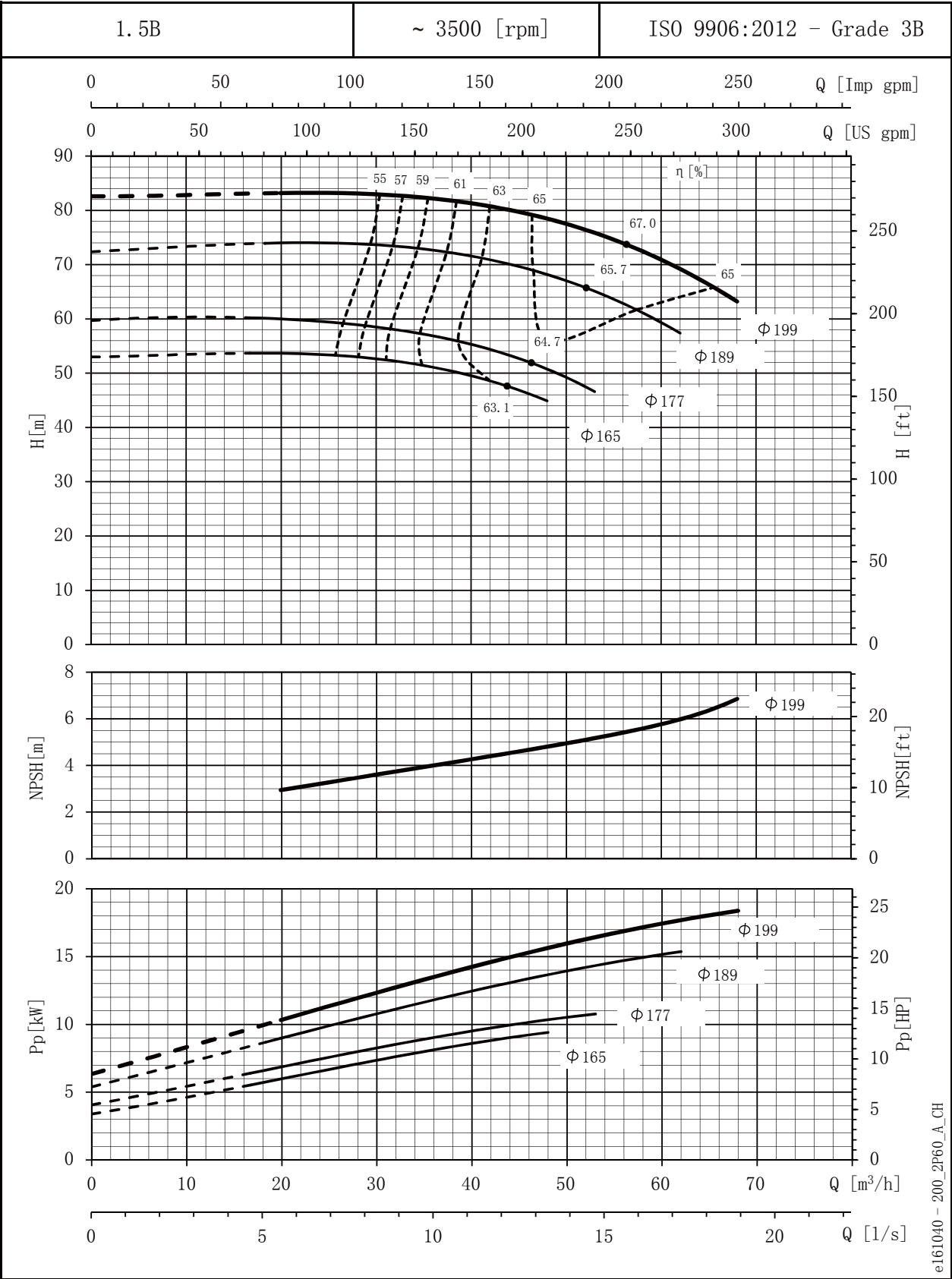
The NPSH values are laboratory values; for practical use we suggest increasing these values by 0,5 m.
 These performances are valid for liquids with density $\rho = 1,0 \text{ Kg/dm}^3$ and kinematic viscosity $\nu = 1 \text{ mm}^2/\text{sec}$.

e1610 Series Operating Characteristics At 60 Hz, 2 Poles



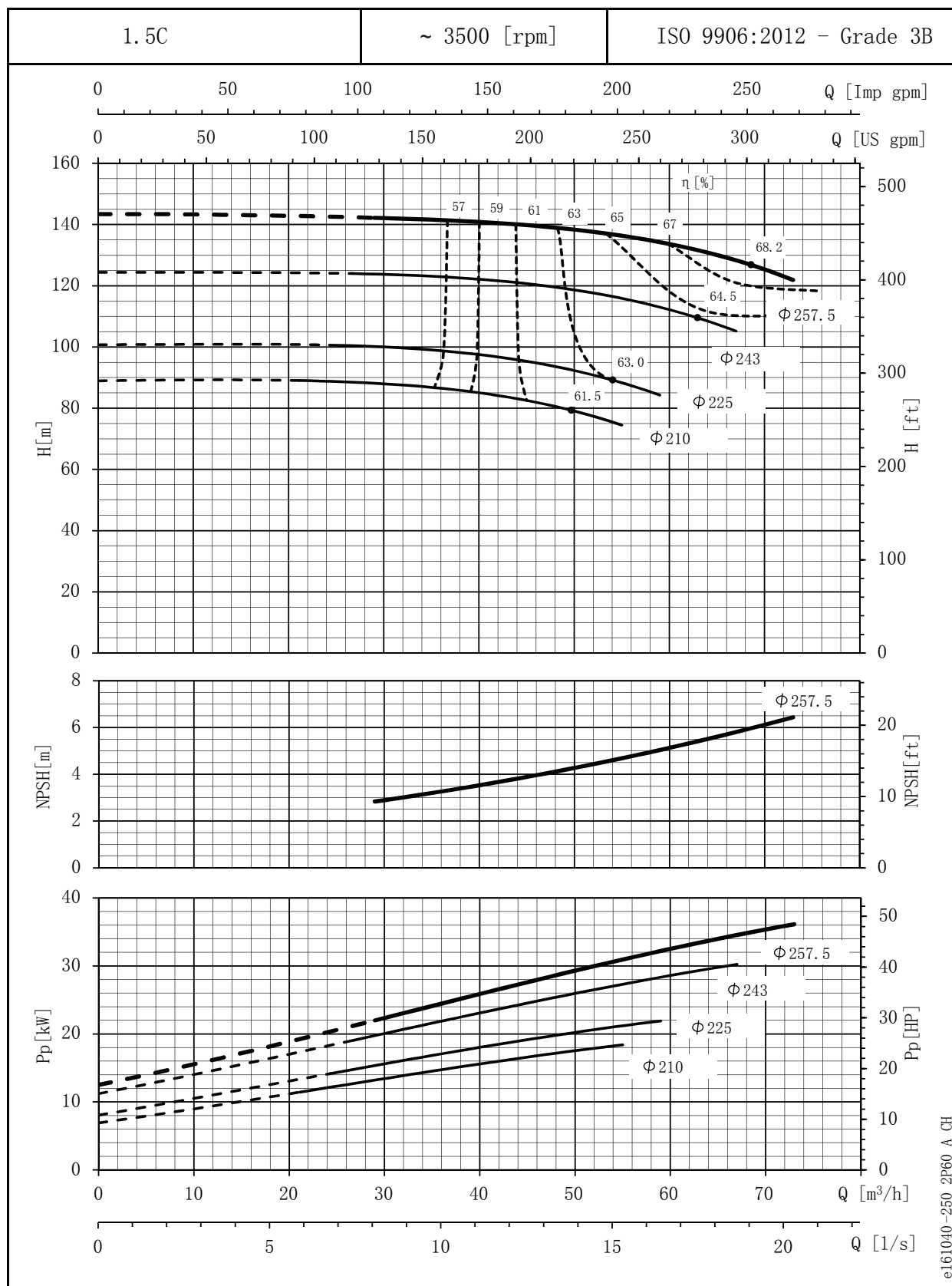
The NPSH values are laboratory values; for practical use we suggest increasing these values by 0,5 m.
 These performances are valid for liquids with density $\rho = 1,0 \text{ Kg/dm}^3$ and kinematic viscosity $\nu = 1 \text{ mm}^2/\text{sec}$.

e1610 Series Operating Characteristics At 60 Hz, 2 Poles



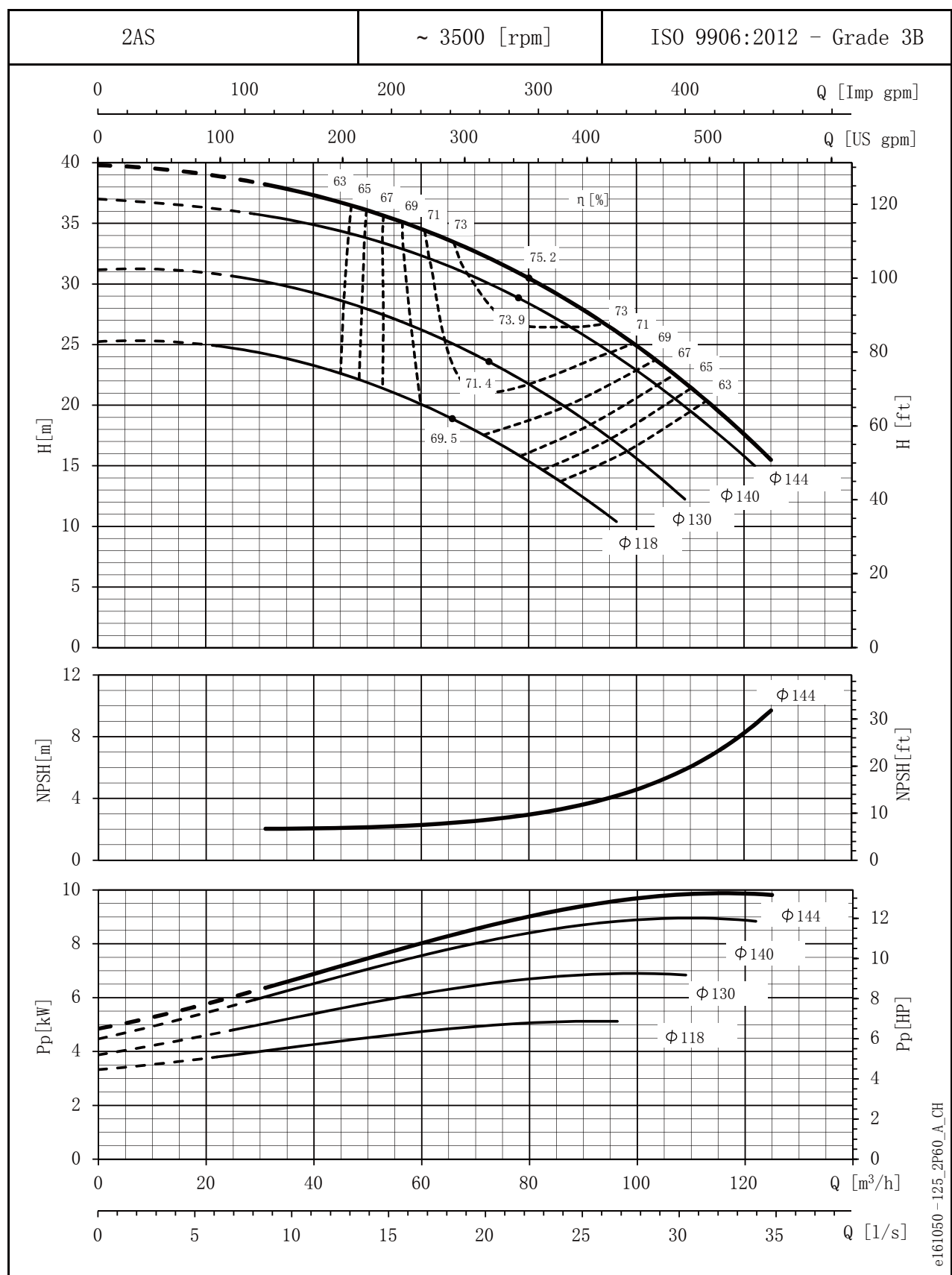
The NPSH values are laboratory values; for practical use we suggest increasing these values by 0,5 m.
These performances are valid for liquids with density $\rho = 1,0 \text{ Kg/dm}^3$ and kinematic viscosity $\nu = 1 \text{ mm}^2/\text{sec}$.

e1610 Series Operating Characteristics At 60 Hz, 2 Poles



The NPSH values are laboratory values; for practical use we suggest increasing these values by 0,5 m.
 These performances are valid for liquids with density $\rho = 1,0 \text{ Kg/dm}^3$ and kinematic viscosity $\nu = 1 \text{ mm}^2/\text{sec}$.

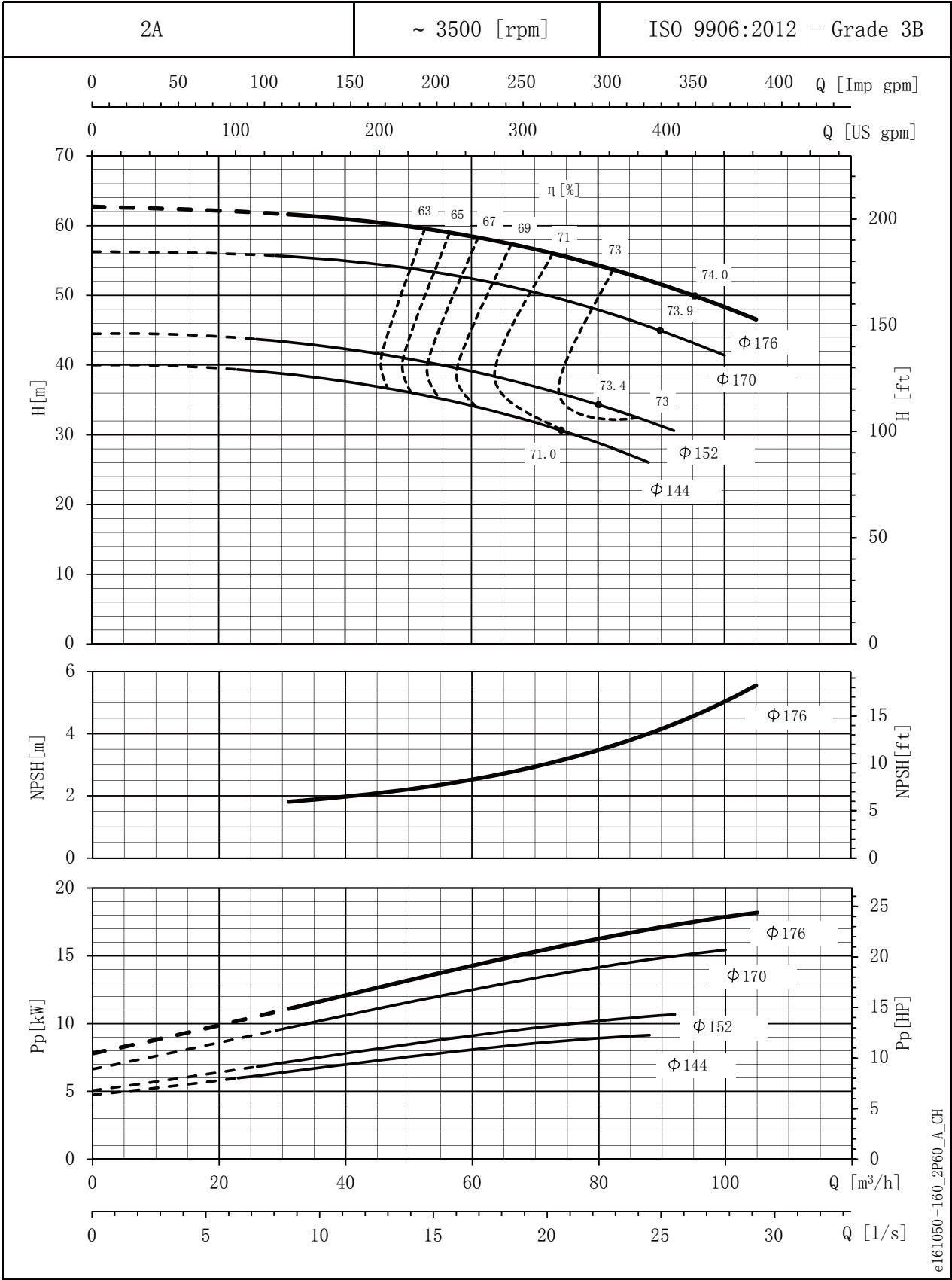
e1610 Series Operating Characteristics At 60 Hz, 2 Poles



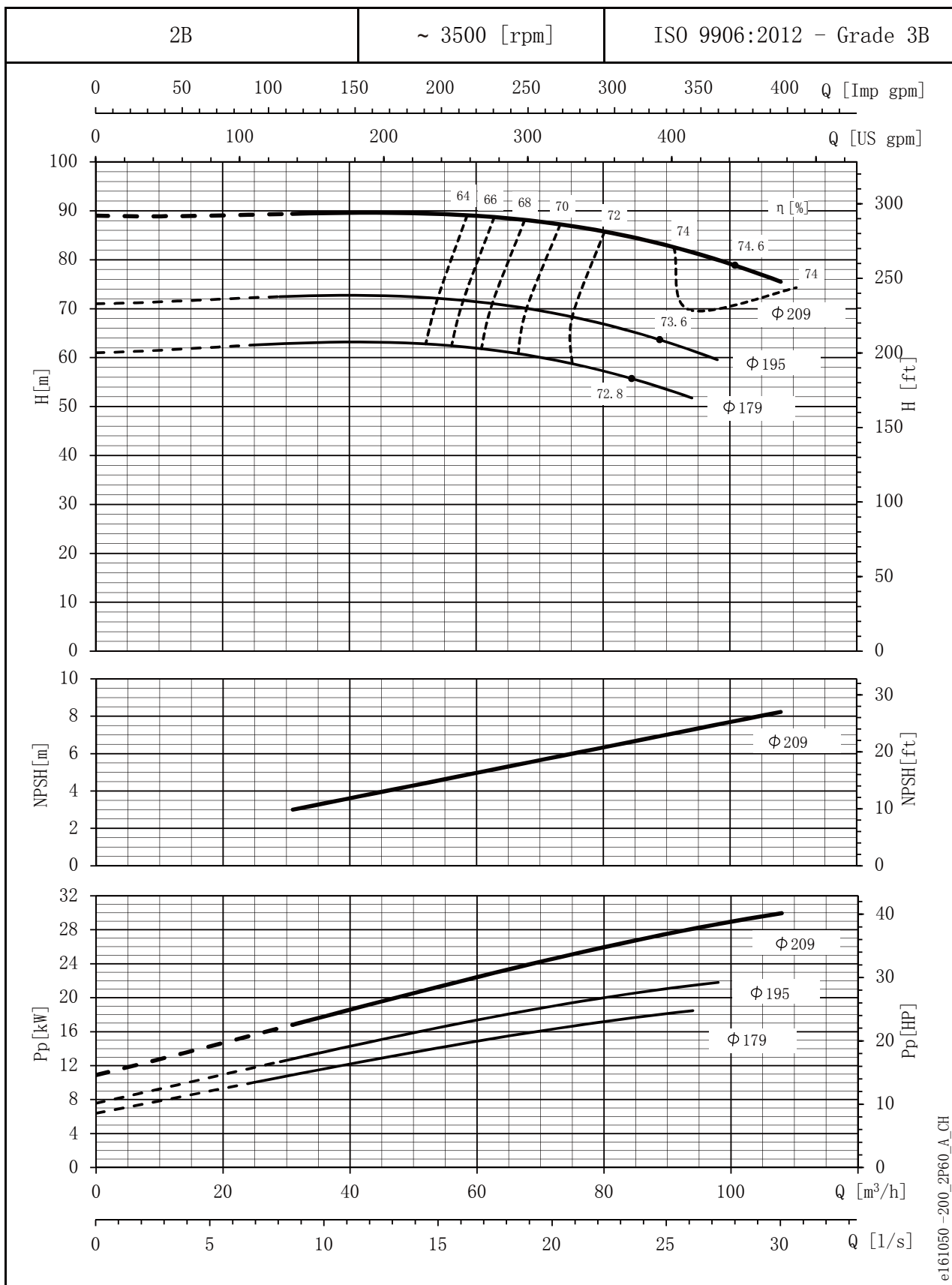
The NPSH values are laboratory values; for practical use we suggest increasing these values by 0,5 m.
These performances are valid for liquids with density $\rho = 1,0 \text{ Kg/dm}^3$ and kinematic viscosity $\nu = 1 \text{ mm}^2/\text{sec}$.

e161050-125_2P60_A_CH

e1610 Series Operating Characteristics At 60 Hz, 2 Poles

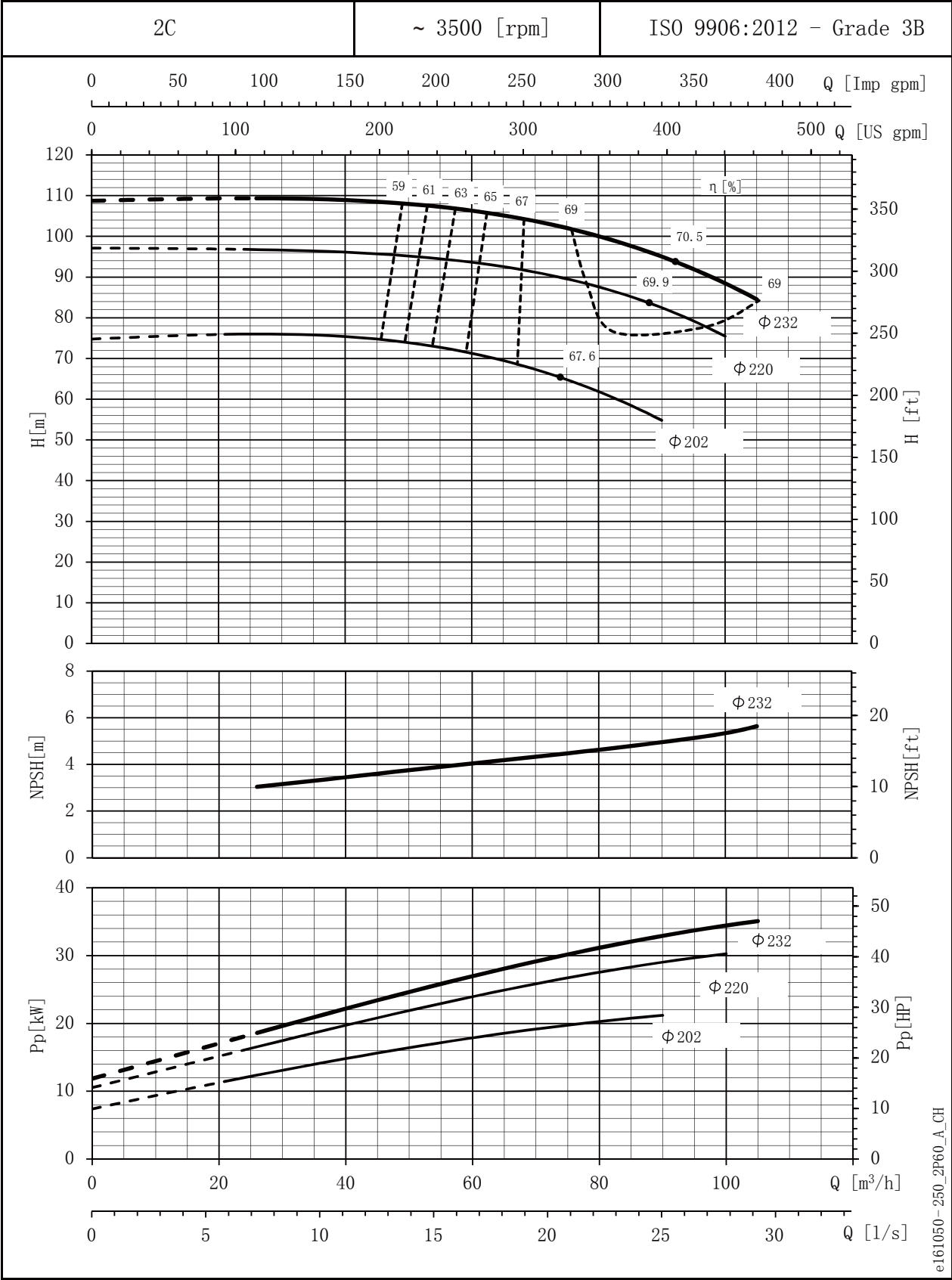


e1610 Series Operating Characteristics At 60 Hz, 2 Poles



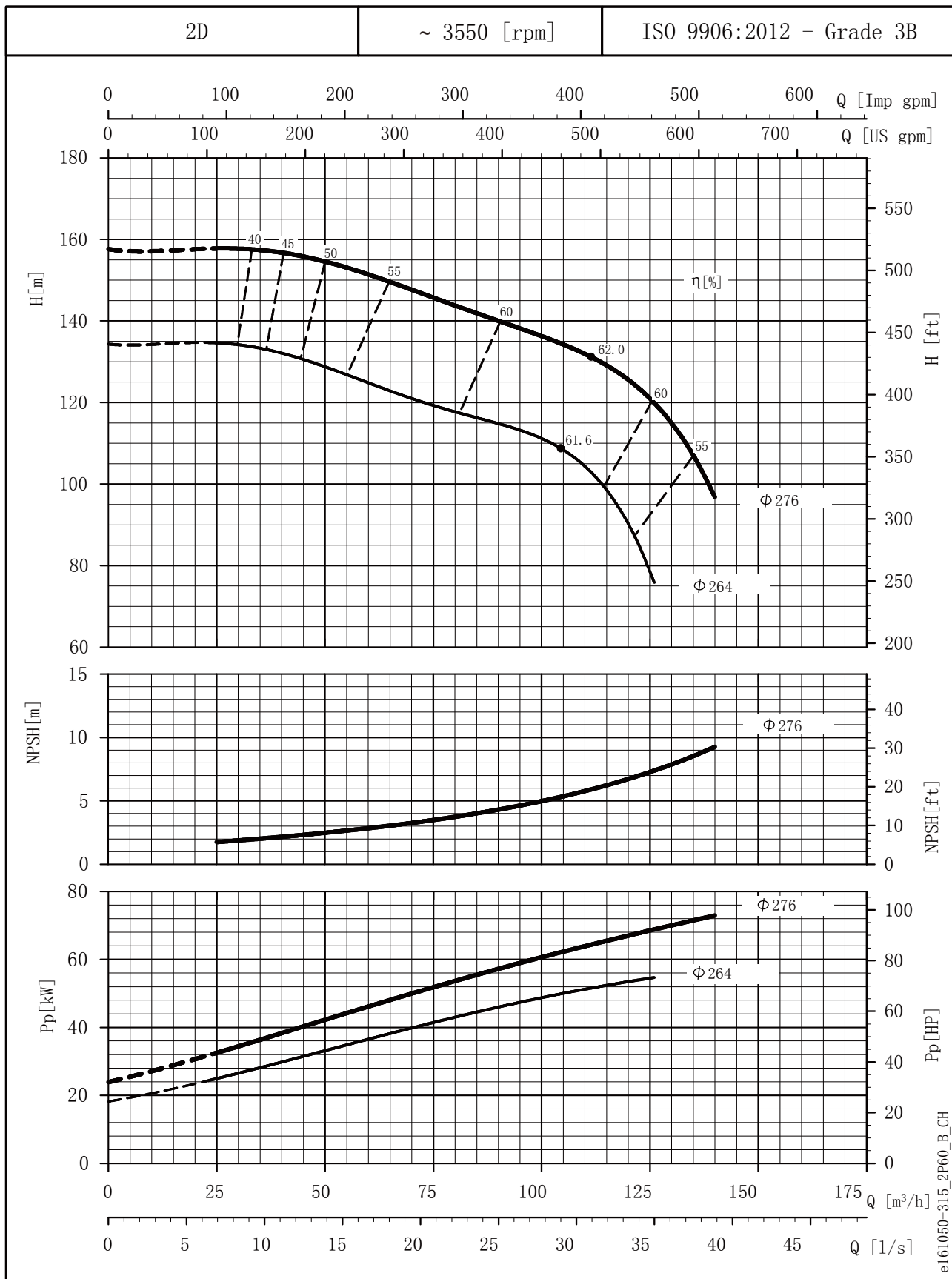
The NPSH values are laboratory values; for practical use we suggest increasing these values by 0,5 m.
 These performances are valid for liquids with density $\rho = 1,0 \text{ Kg/dm}^3$ and kinematic viscosity $\nu = 1 \text{ mm}^2/\text{sec}$.

e1610 Series Operating Characteristics At 60 Hz, 2 Poles



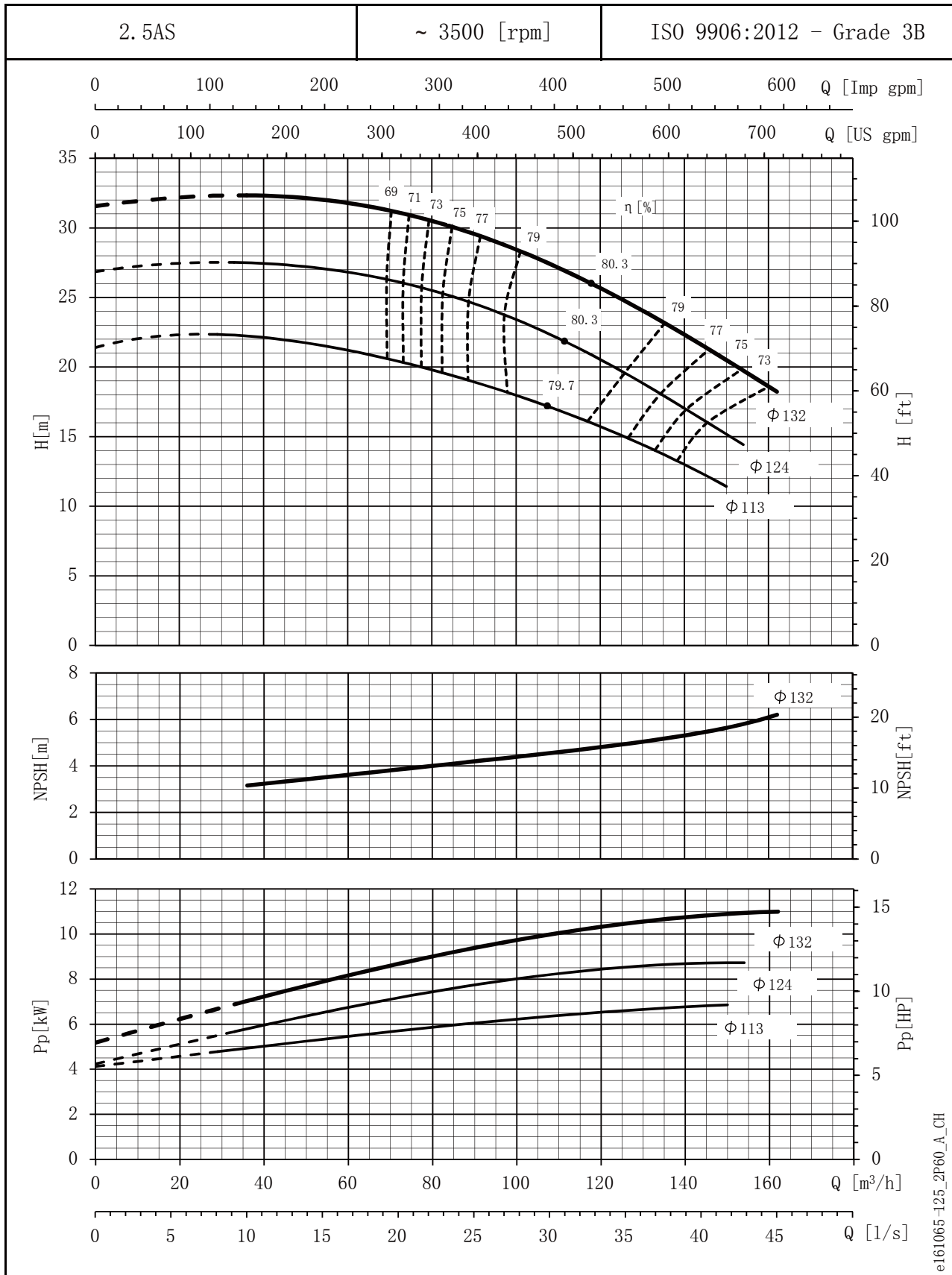
The NPSH values are laboratory values; for practical use we suggest increasing these values by 0,5 m.
These performances are valid for liquids with density $\rho = 1,0 \text{ Kg/dm}^3$ and kinematic viscosity $\nu = 1 \text{ mm}^2/\text{sec}$.

e1610 Series Operating Characteristics At 60 Hz, 2 Poles



The NPSH values are laboratory values; for practical use we suggest increasing these values by 0,5 m.
 These performances are valid for liquids with density $\rho = 1,0 \text{ Kg/dm}^3$ and kinematic viscosity $\nu = 1 \text{ mm}^2/\text{sec}$.

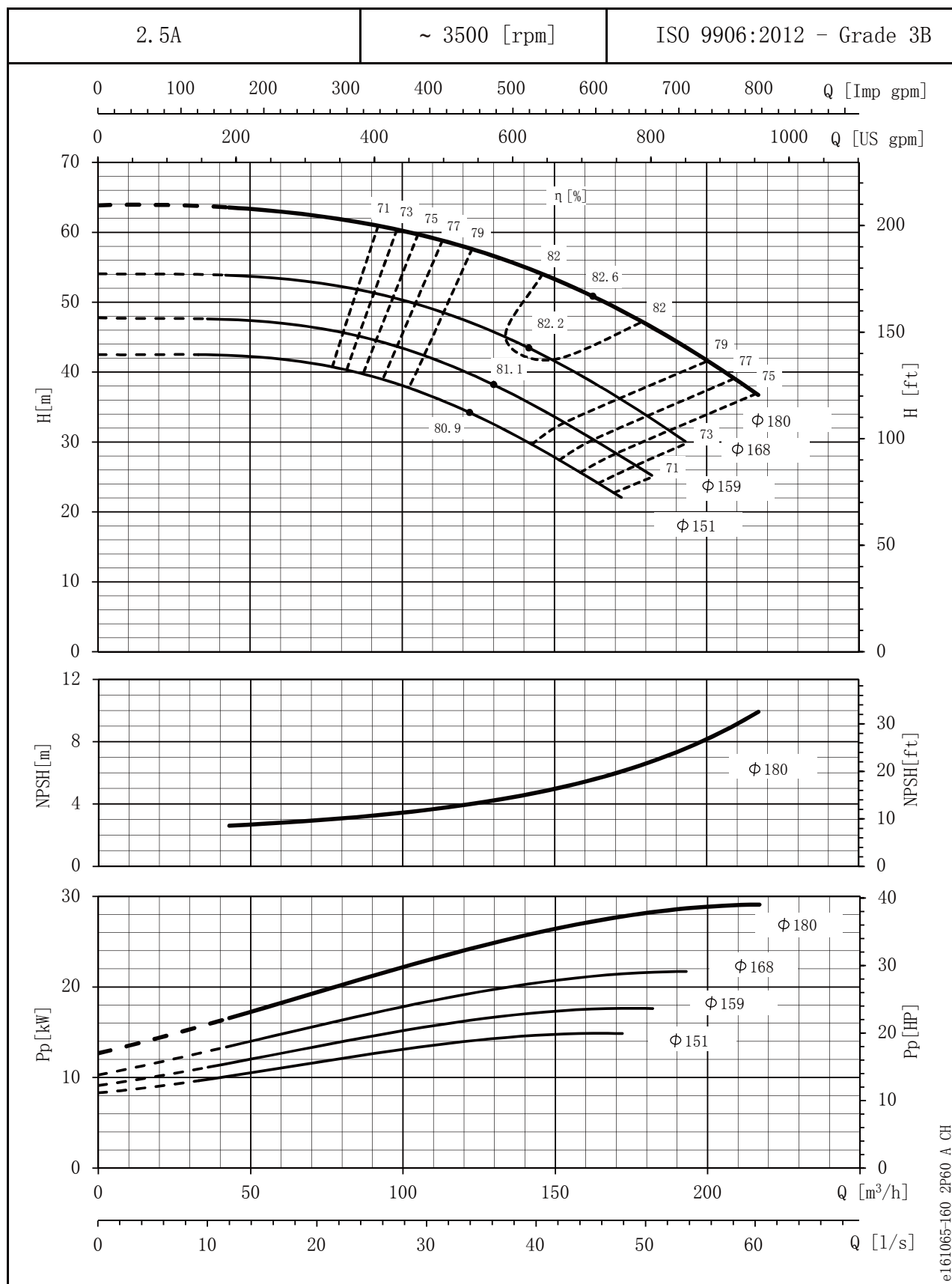
e1610 Series Operating Characteristics At 60 Hz, 2 Poles



e161065-125_2P60_A_CH

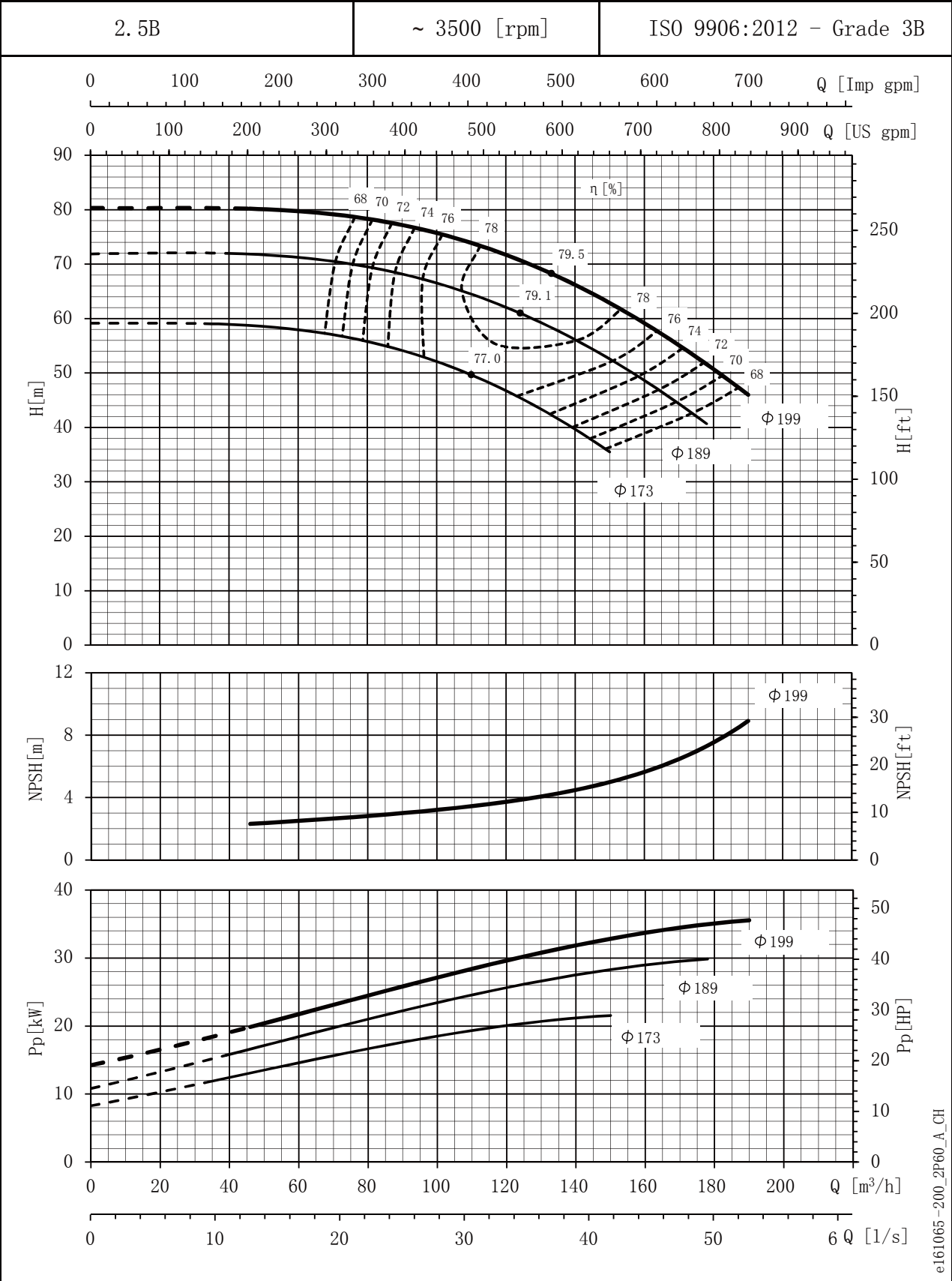
The NPSH values are laboratory values; for practical use we suggest increasing these values by 0,5 m.
 These performances are valid for liquids with density $\rho = 1,0 \text{ kg/dm}^3$ and kinematic viscosity $\nu = 1 \text{ mm}^2/\text{sec}$.

e1610 Series Operating Characteristics At 60 Hz, 2 Poles



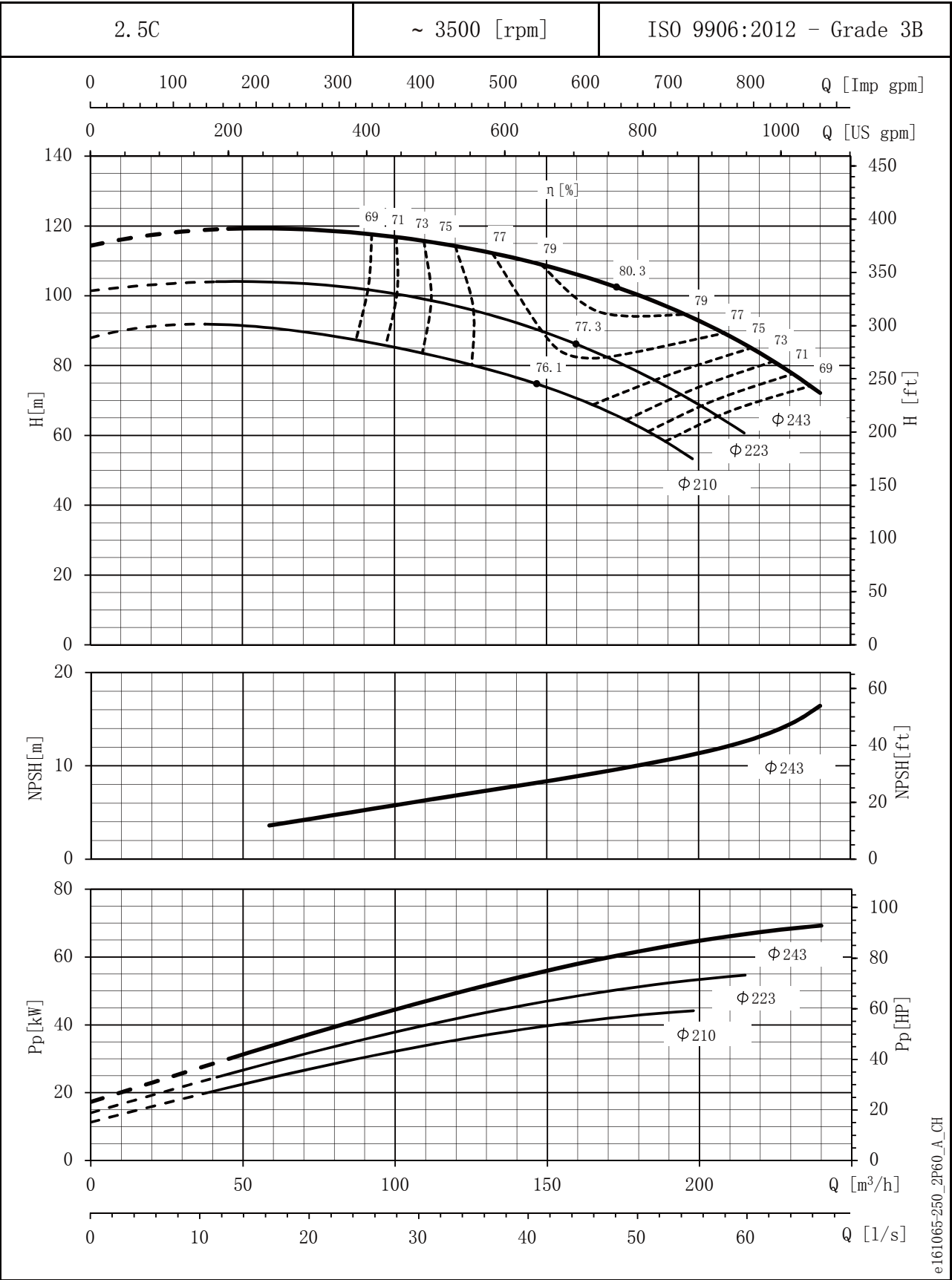
The NPSH values are laboratory values; for practical use we suggest increasing these values by 0,5 m.
 These performances are valid for liquids with density $\rho = 1,0 \text{ Kg/dm}^3$ and kinematic viscosity $\nu = 1 \text{ mm}^2/\text{sec}$.

e1610 Series Operating Characteristics At 60 Hz, 2 Poles



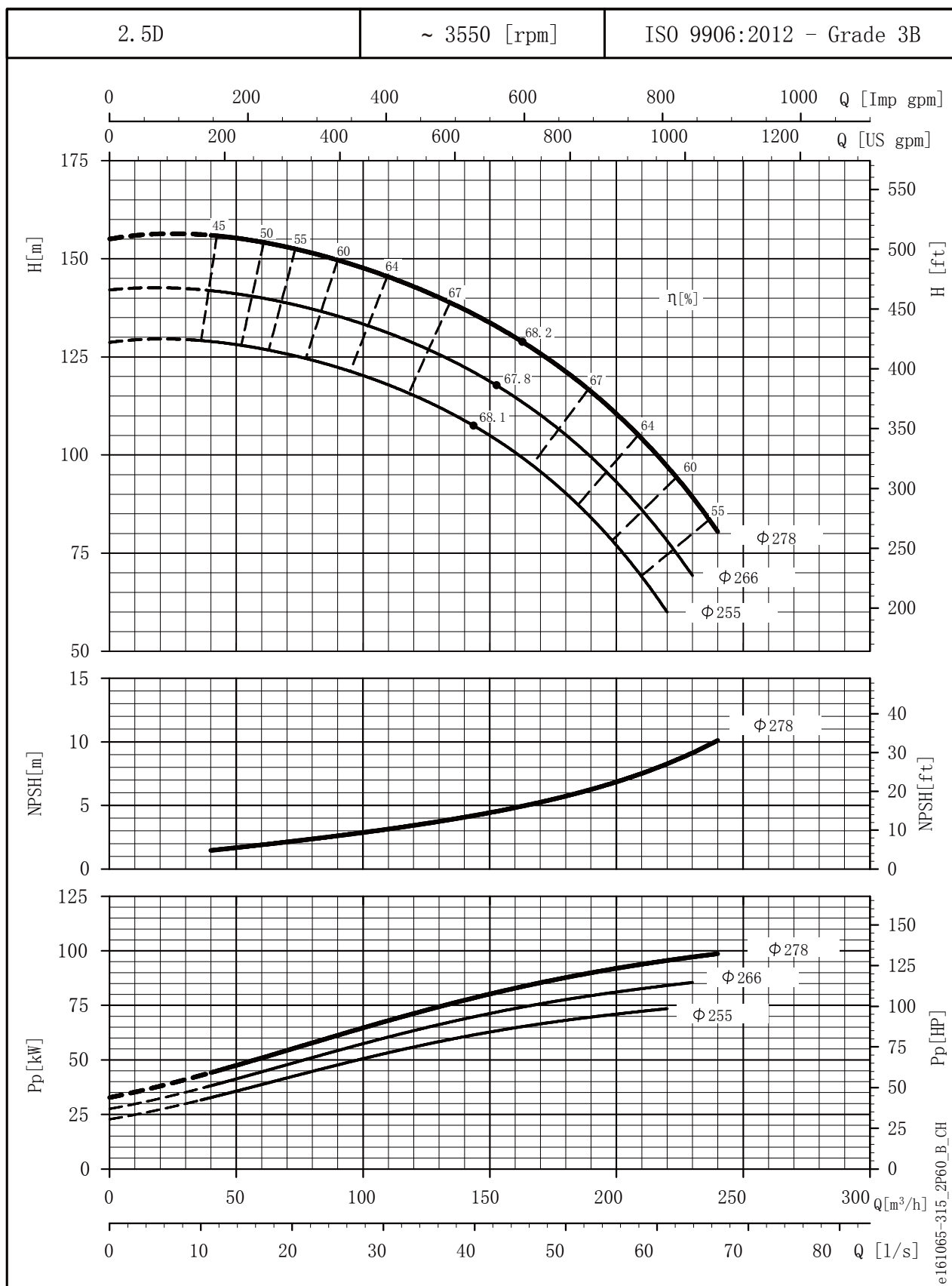
The NPSH values are laboratory values; for practical use we suggest increasing these values by 0,5 m.
These performances are valid for liquids with density $\rho = 1,0 \text{ Kg/dm}^3$ and kinematic viscosity $\nu = 1 \text{ mm}^2/\text{sec}$.

e1610 Series Operating Characteristics At 60 Hz, 2 Poles



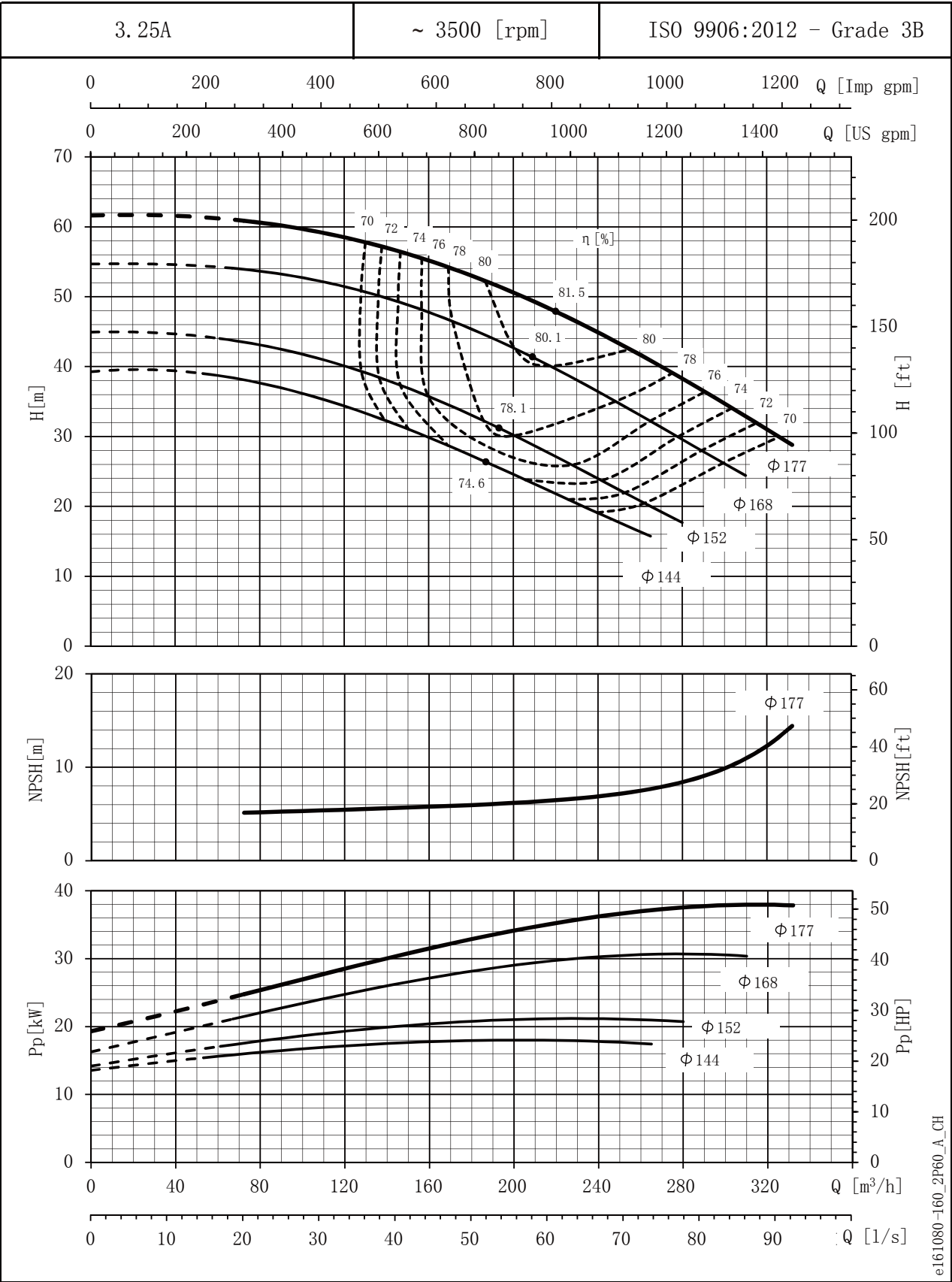
The NPSH values are laboratory values; for practical use we suggest increasing these values by 0,5 m.
These performances are valid for liquids with density $\rho = 1,0 \text{ Kg/dm}^3$ and kinematic viscosity $\nu = 1 \text{ mm}^2/\text{sec}$.

e1610 Series Operating Characteristics At 60 Hz, 2 Poles



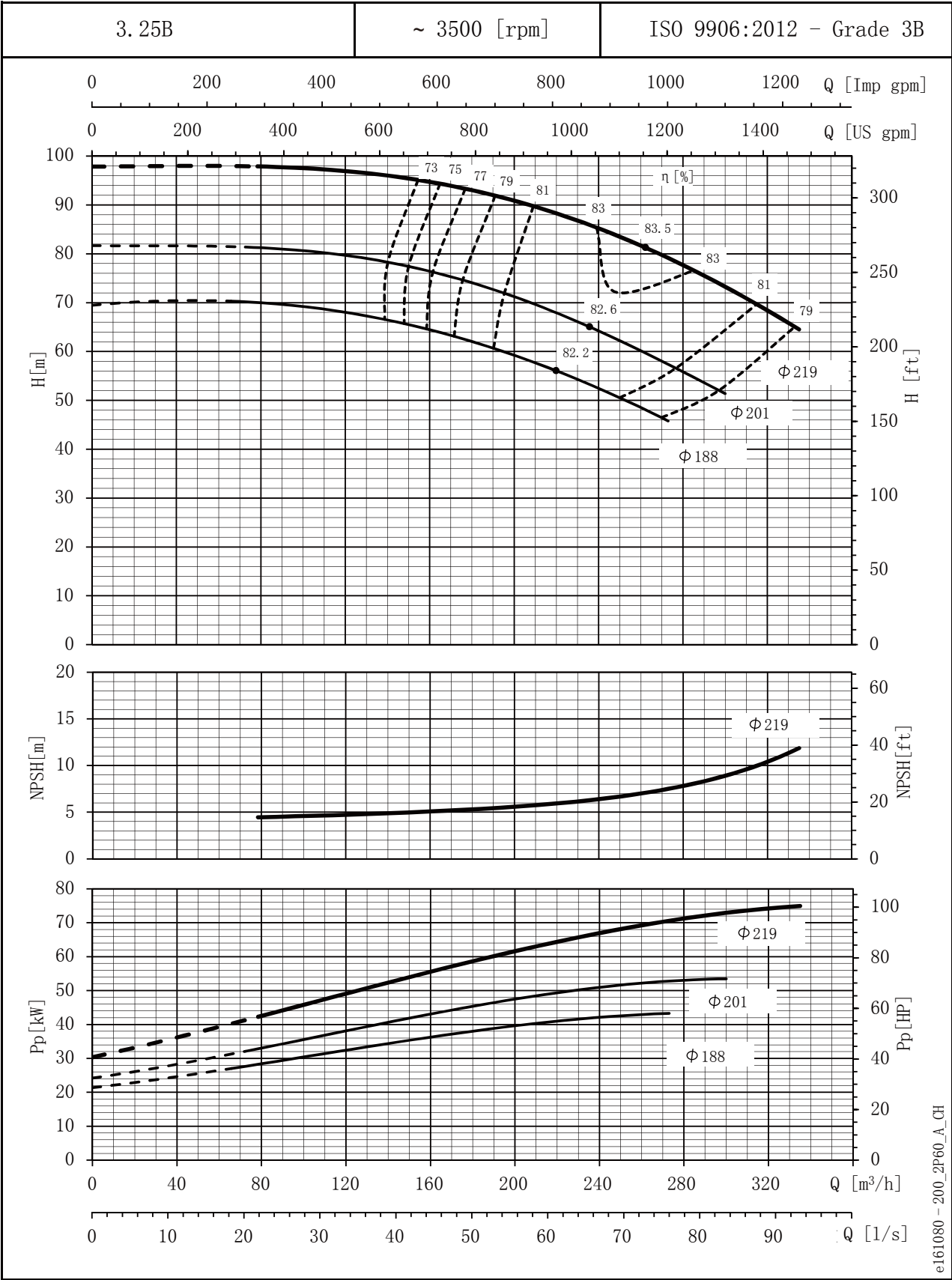
The NPSH values are laboratory values; for practical use we suggest increasing these values by 0,5 m.
 These performances are valid for liquids with density $\rho = 1,0 \text{ Kg/dm}^3$ and kinematic viscosity $\nu = 1 \text{ mm}^2/\text{sec}$.

e1610 Series Operating Characteristics At 60 Hz, 2 Poles



The NPSH values are laboratory values; for practical use we suggest increasing these values by 0,5 m.
These performances are valid for liquids with density $\rho = 1,0 \text{ Kg/dm}^3$ and kinematic viscosity $\nu = 1 \text{ mm}^2/\text{sec}$.

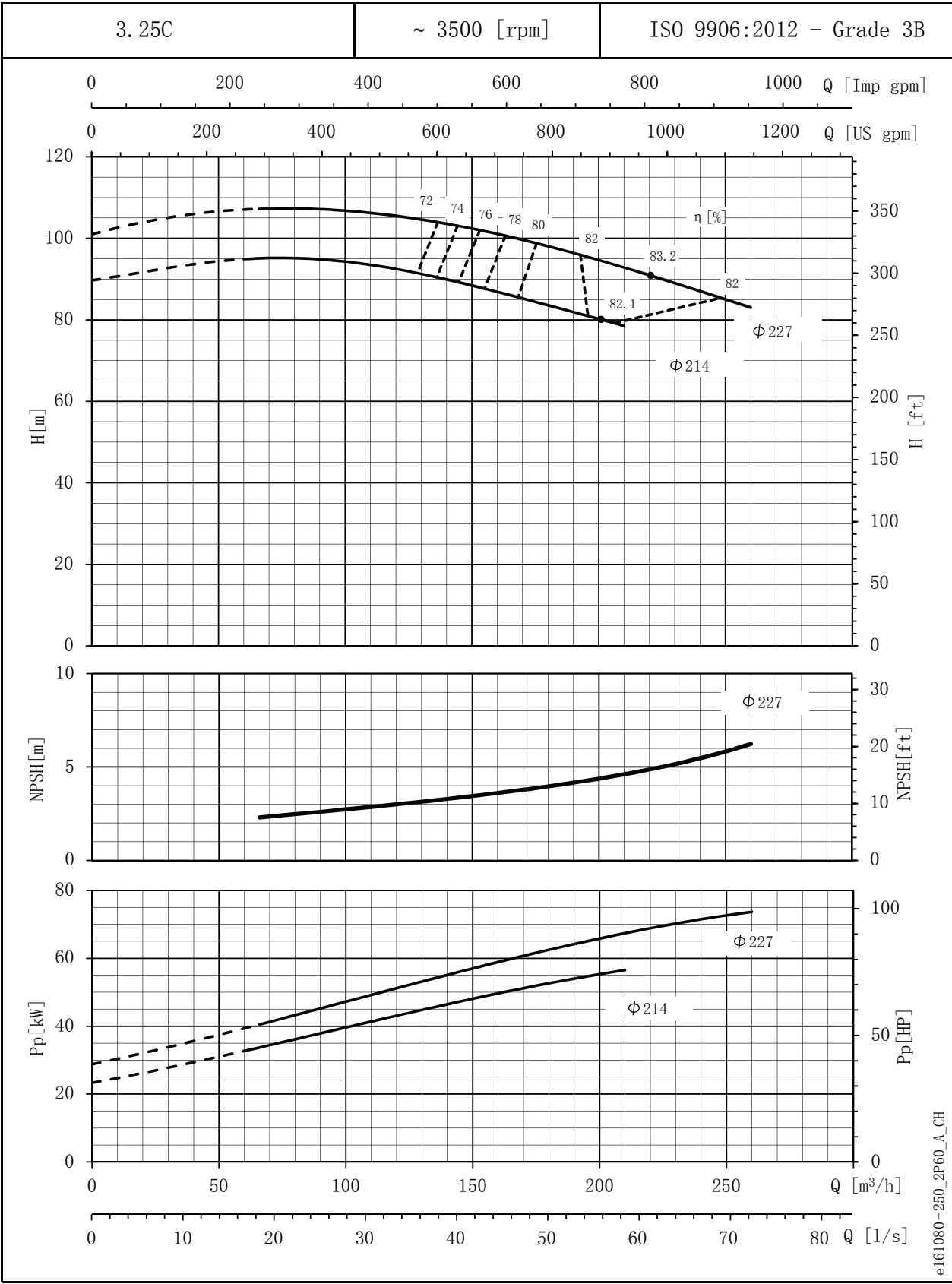
e1610 Series Operating Characteristics At 60 Hz, 2 Poles



e161080 - 200_2P60_A_CH

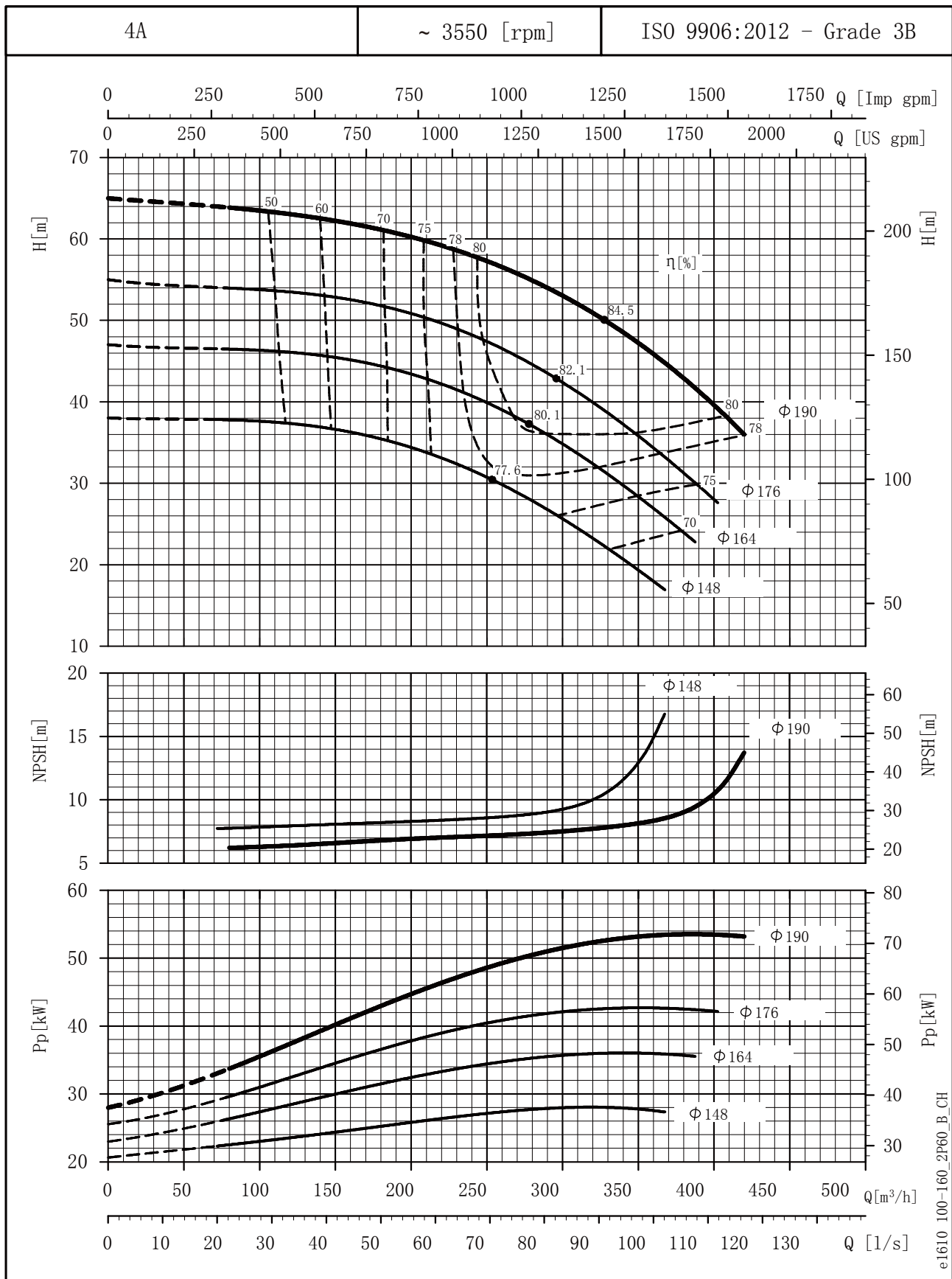
The NPSH values are laboratory values; for practical use we suggest increasing these values by 0,5 m.
These performances are valid for liquids with density $\rho = 1,0 \text{ Kg/dm}^3$ and kinematic viscosity $\nu = 1 \text{ mm}^2/\text{sec}$.

e1610 Series Operating Characteristics At 60 Hz, 2 Poles



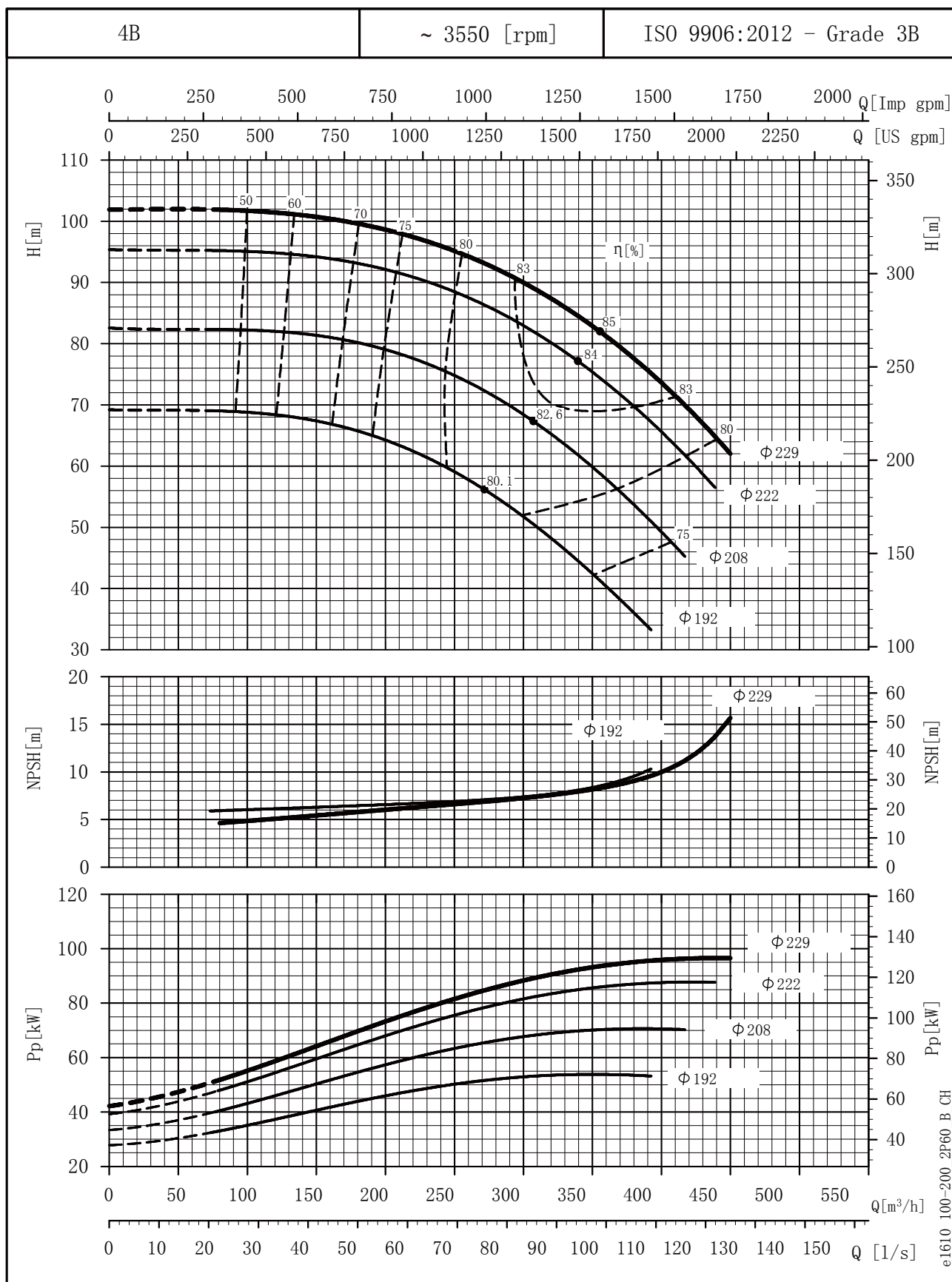
The NPSH values are laboratory values; for practical use we suggest increasing these values by 0,5 m.
These performances are valid for liquids with density $\rho = 1,0 \text{ Kg/dm}^3$ and kinematic viscosity $\nu = 1 \text{ mm}^2/\text{sec}$.

e1610 Series Operating Characteristics At 60 Hz, 2 Poles



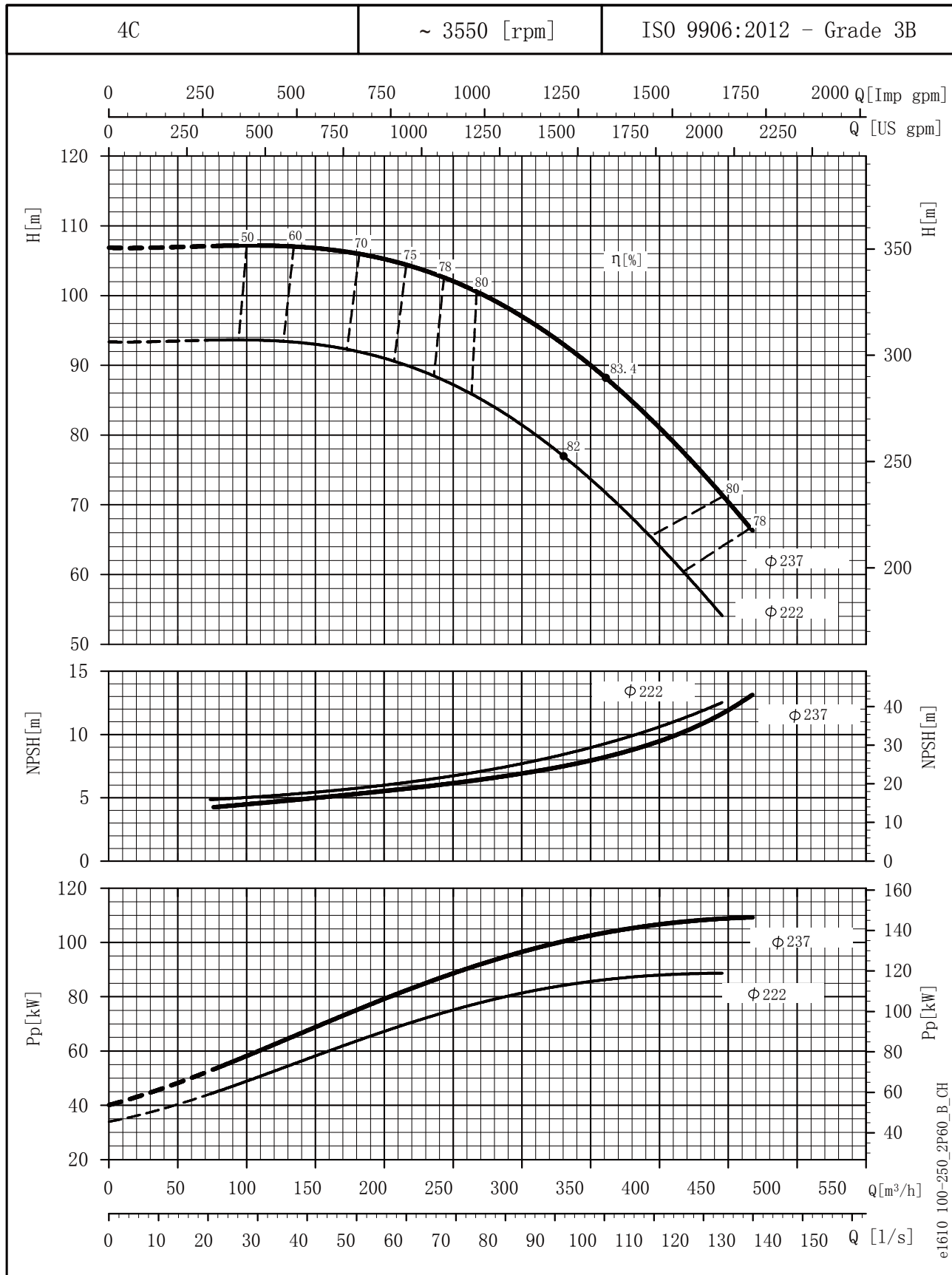
The NPSH values are laboratory values; for practical use we suggest increasing these values by 0,5 m.
 These performances are valid for liquids with density $\rho = 1,0 \text{ Kg/dm}^3$ and kinematic viscosity $\nu = 1 \text{ mm}^2/\text{sec}$.

e1610 Series Operating Characteristics At 60 Hz, 2 Poles



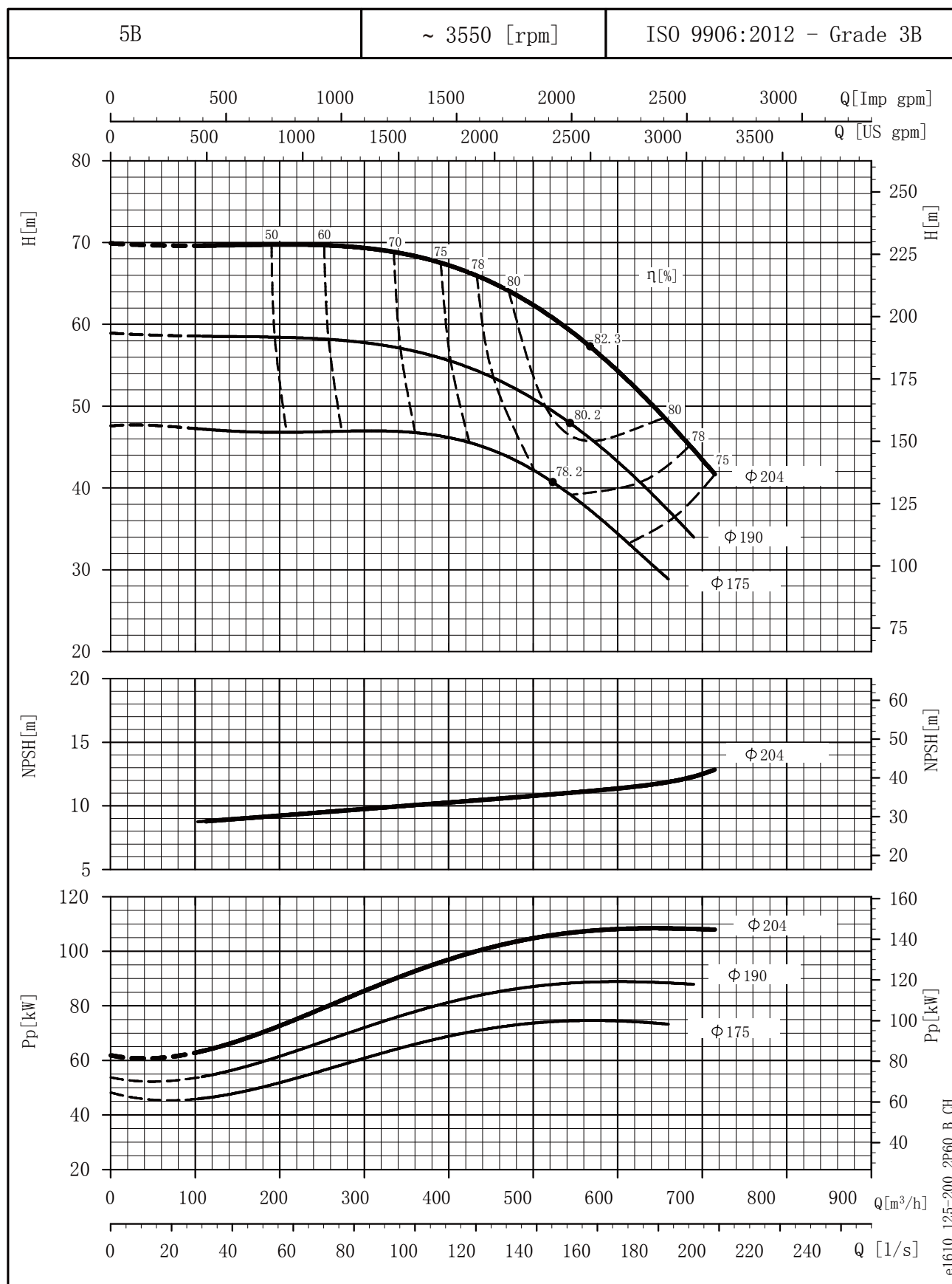
The NPSH values are laboratory values; for practical use we suggest increasing these values by 0,5 m.
 These performances are valid for liquids with density $\rho = 1,0 \text{ Kg/dm}^3$ and kinematic viscosity $\nu = 1 \text{ mm}^2/\text{sec}$.

e1610 Series Operating Characteristics At 60 Hz, 2 Poles



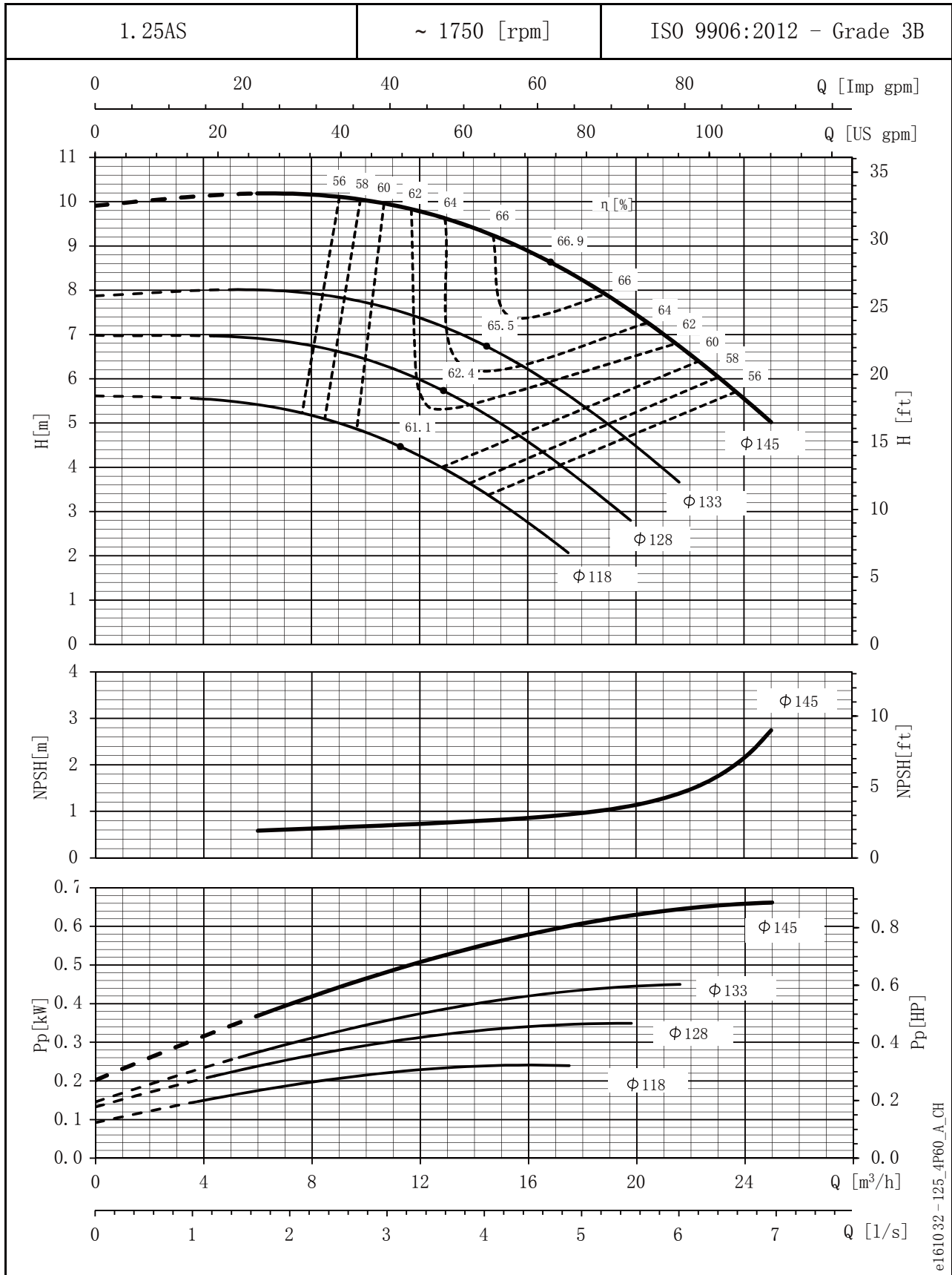
The NPSH values are laboratory values; for practical use we suggest increasing these values by 0,5 m.
 These performances are valid for liquids with density $\rho = 1,0 \text{ Kg/dm}^3$ and kinematic viscosity $\nu = 1 \text{ mm}^2/\text{sec}$.

e1610 Series Operating Characteristics At 60 Hz, 2 Poles



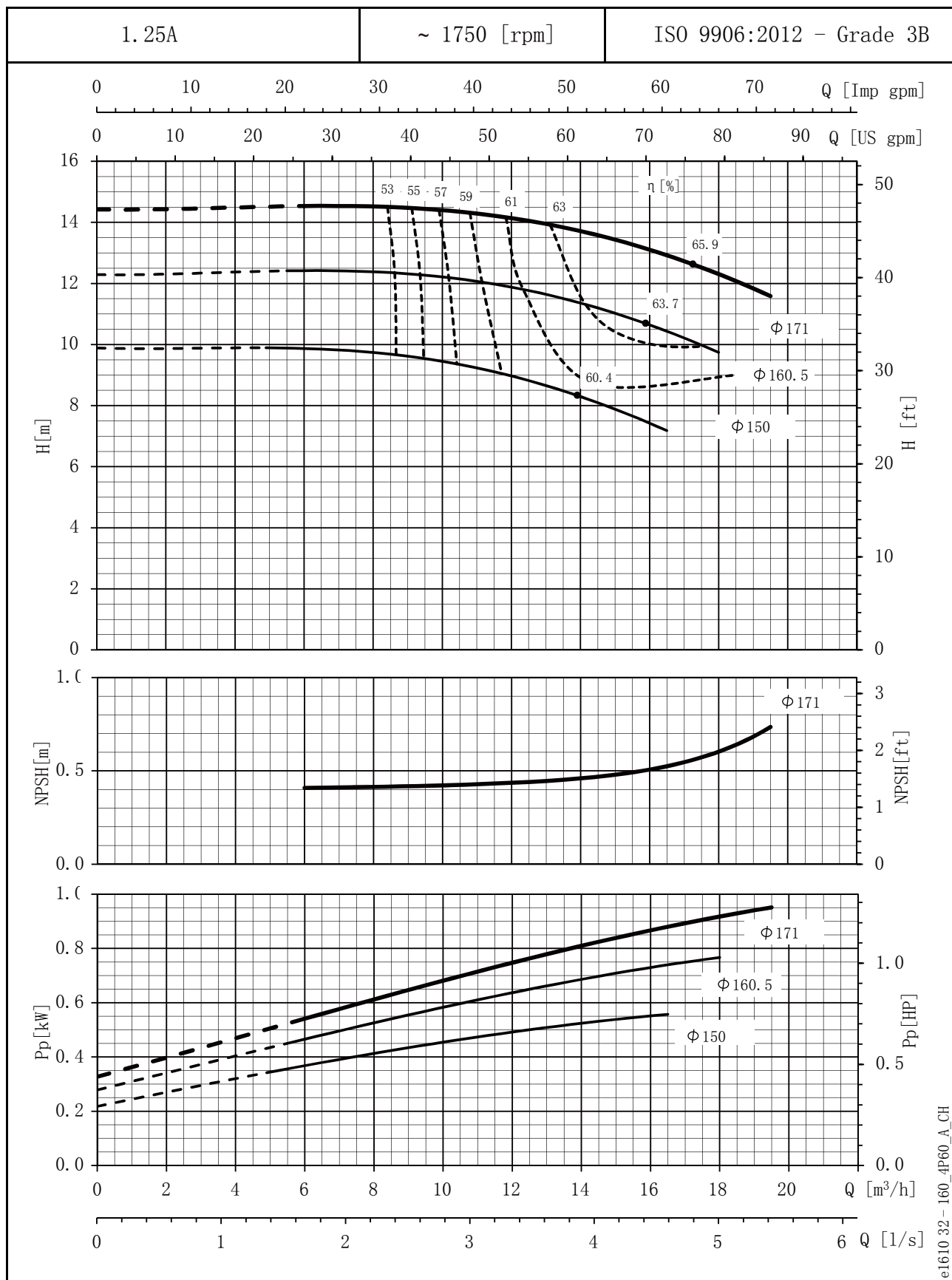
The NPSH values are laboratory values; for practical use we suggest increasing these values by 0,5 m.
 These performances are valid for liquids with density $\rho = 1,0 \text{ Kg/dm}^3$ and kinematic viscosity $\nu = 1 \text{ mm}^2/\text{sec}$.

e1610 Series Operating Characteristics At 60 Hz, 4 Poles



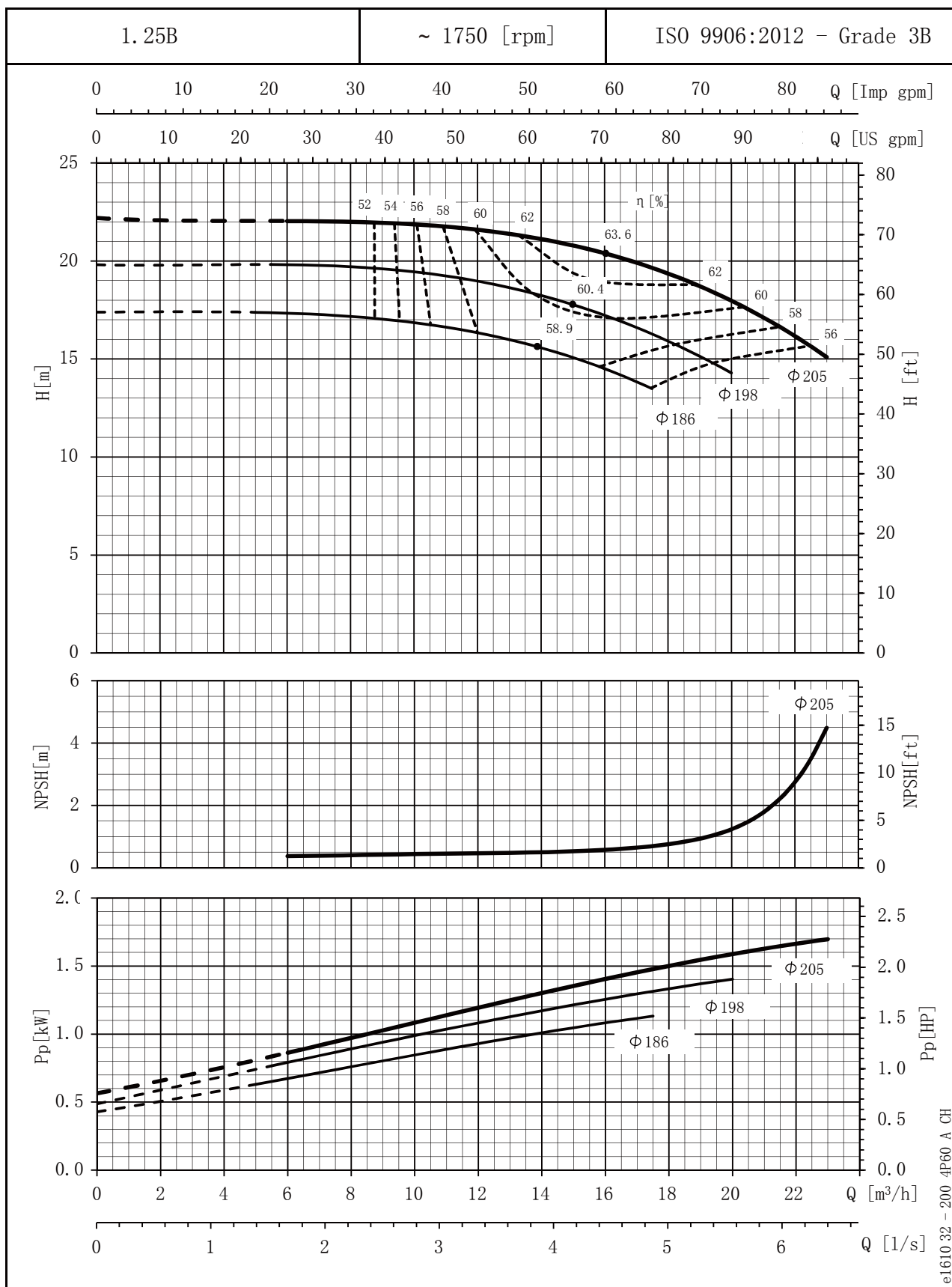
The NPSH values are laboratory values; for practical use we suggest increasing these values by 0,5 m.
 These performances are valid for liquids with density $\rho = 1,0 \text{ Kg/dm}^3$ and kinematic viscosity $\nu = 1 \text{ mm}^2/\text{sec}$.

e1610 Series Operating Characteristics At 60 Hz, 4 Poles



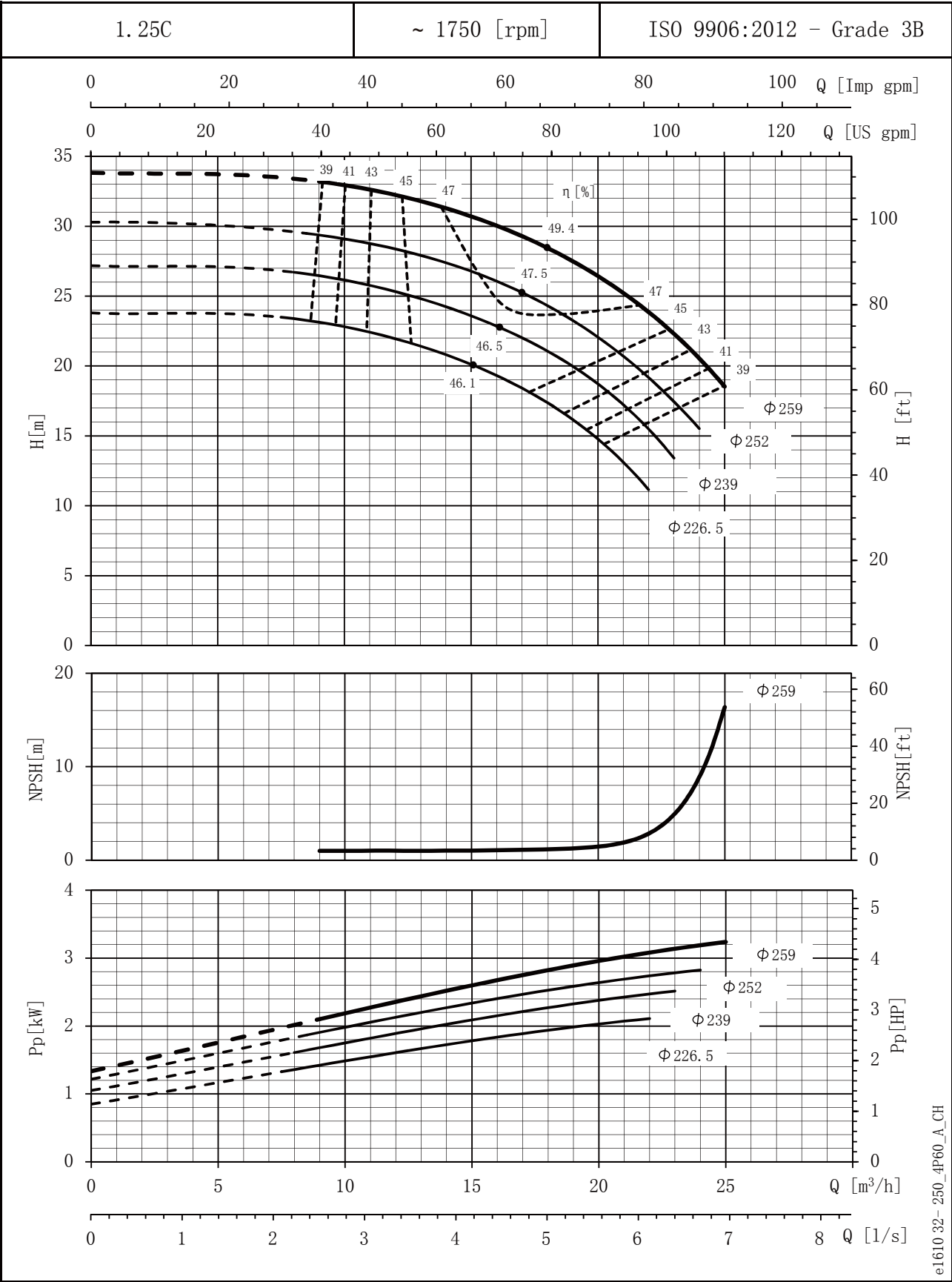
The NPSH values are laboratory values; for practical use we suggest increasing these values by 0,5 m.
 These performances are valid for liquids with density $\rho = 1,0 \text{ Kg/dm}^3$ and kinematic viscosity $\nu = 1 \text{ mm}^2/\text{sec}$.

e1610 Series Operating Characteristics At 60 Hz, 4 Poles



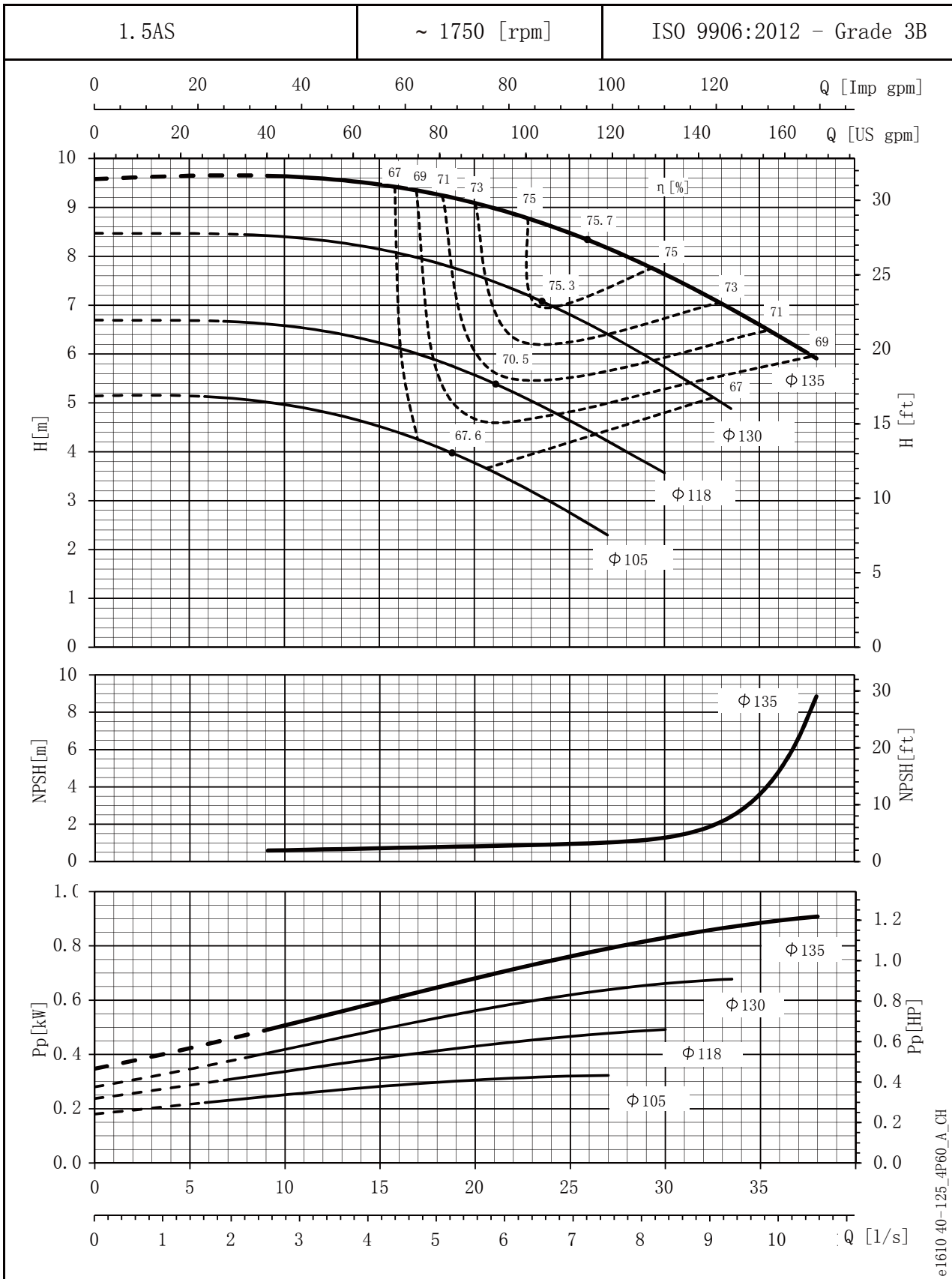
The NPSH values are laboratory values; for practical use we suggest increasing these values by 0,5 m.
 These performances are valid for liquids with density $\rho = 1,0 \text{ Kg/dm}^3$ and kinematic viscosity $\nu = 1 \text{ mm}^2/\text{sec}$.

e1610 Series Operating Characteristics At 60 Hz, 4 Poles



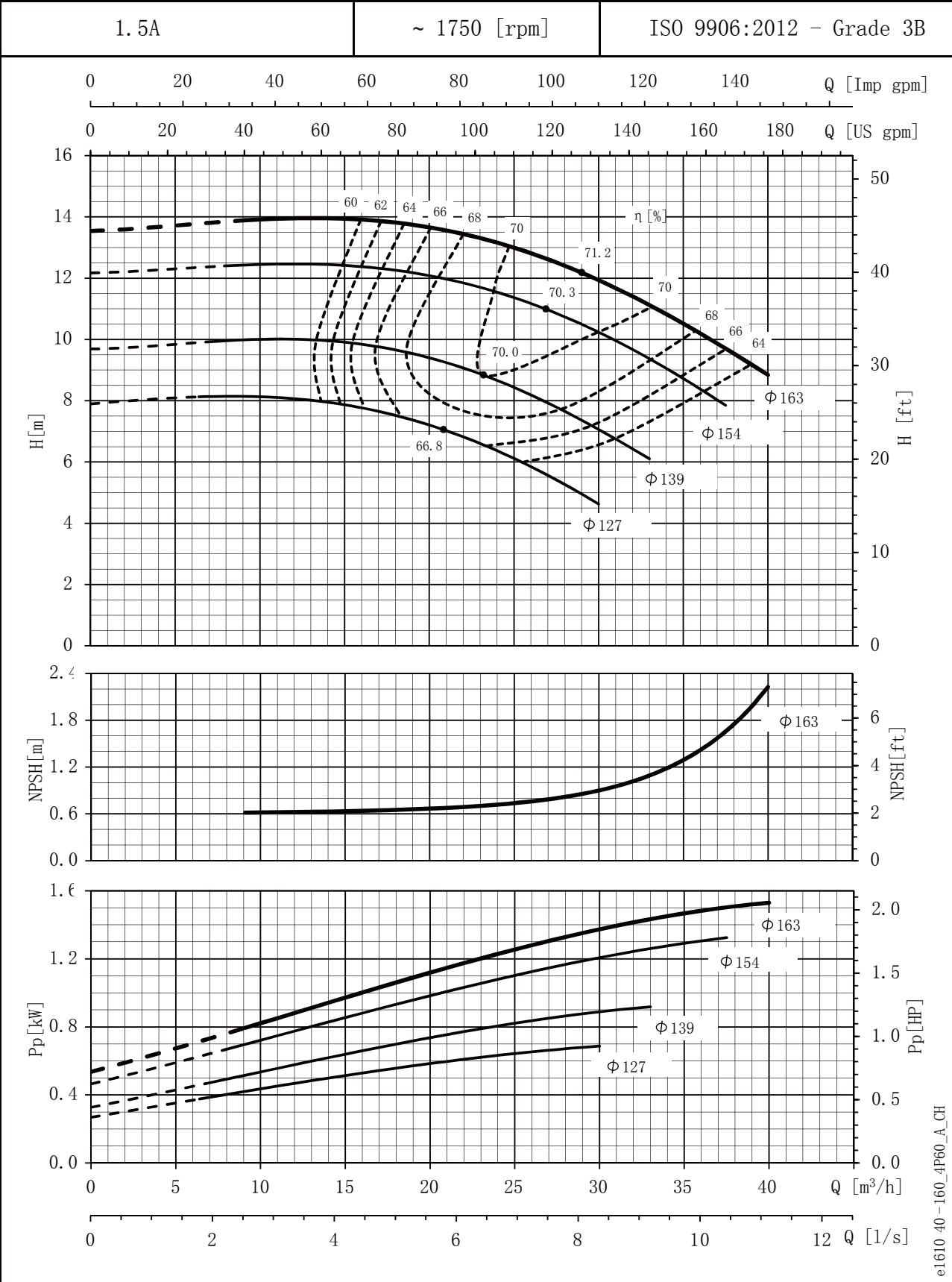
The NPSH values are laboratory values; for practical use we suggest increasing these values by 0,5 m.
These performances are valid for liquids with density $\rho = 1,0 \text{ Kg/dm}^3$ and kinematic viscosity $\nu = 1 \text{ mm}^2/\text{sec}$.

e1610 Series Operating Characteristics At 60 Hz, 4 Poles



The NPSH values are laboratory values; for practical use we suggest increasing these values by 0,5 m.
 These performances are valid for liquids with density $\rho = 1,0 \text{ Kg/dm}^3$ and kinematic viscosity $\nu = 1 \text{ mm}^2/\text{sec}$.

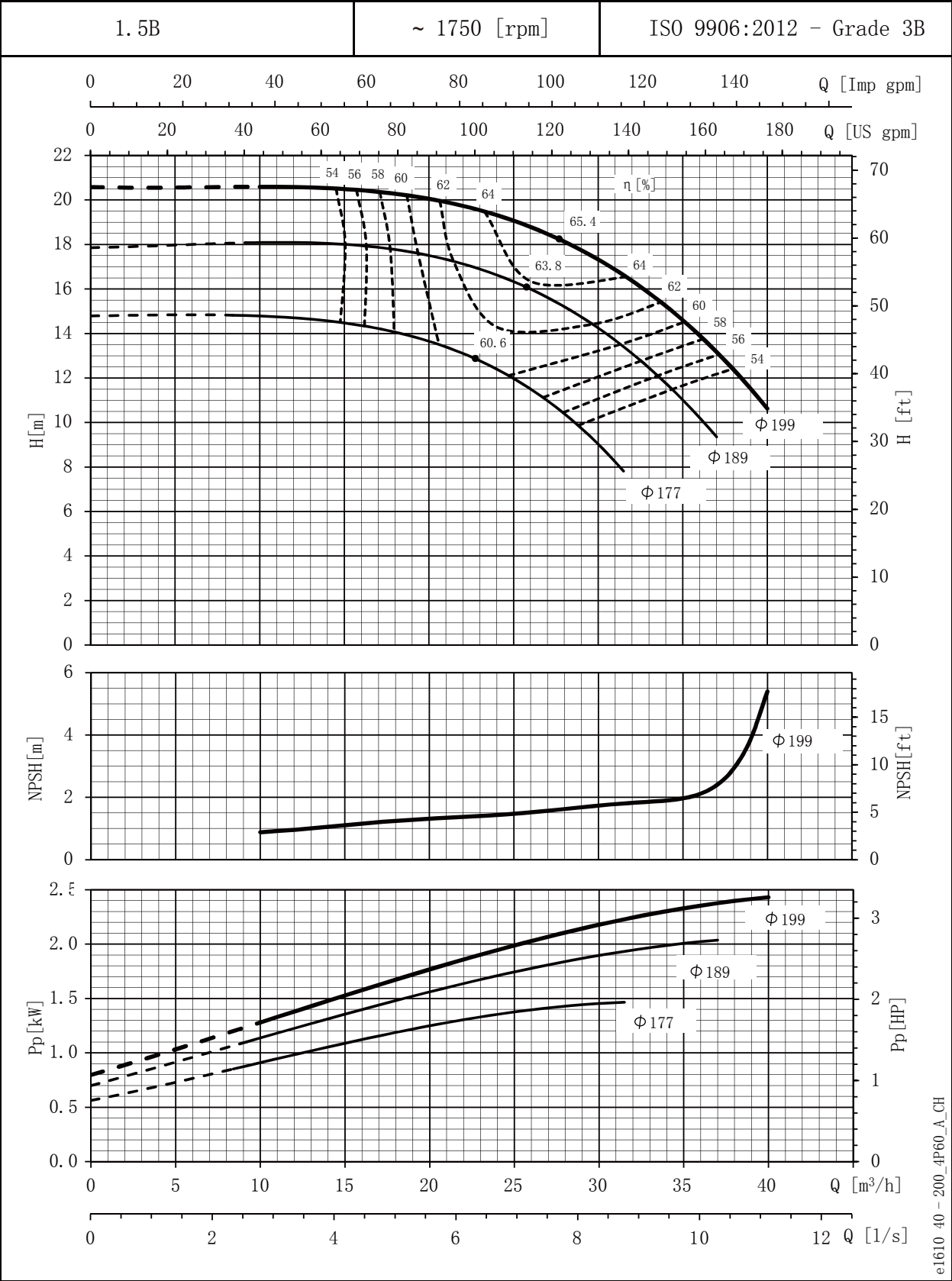
e1610 Series Operating Characteristics At 60 Hz, 4 Poles



e1610 40 – 160_4P60_A_CH

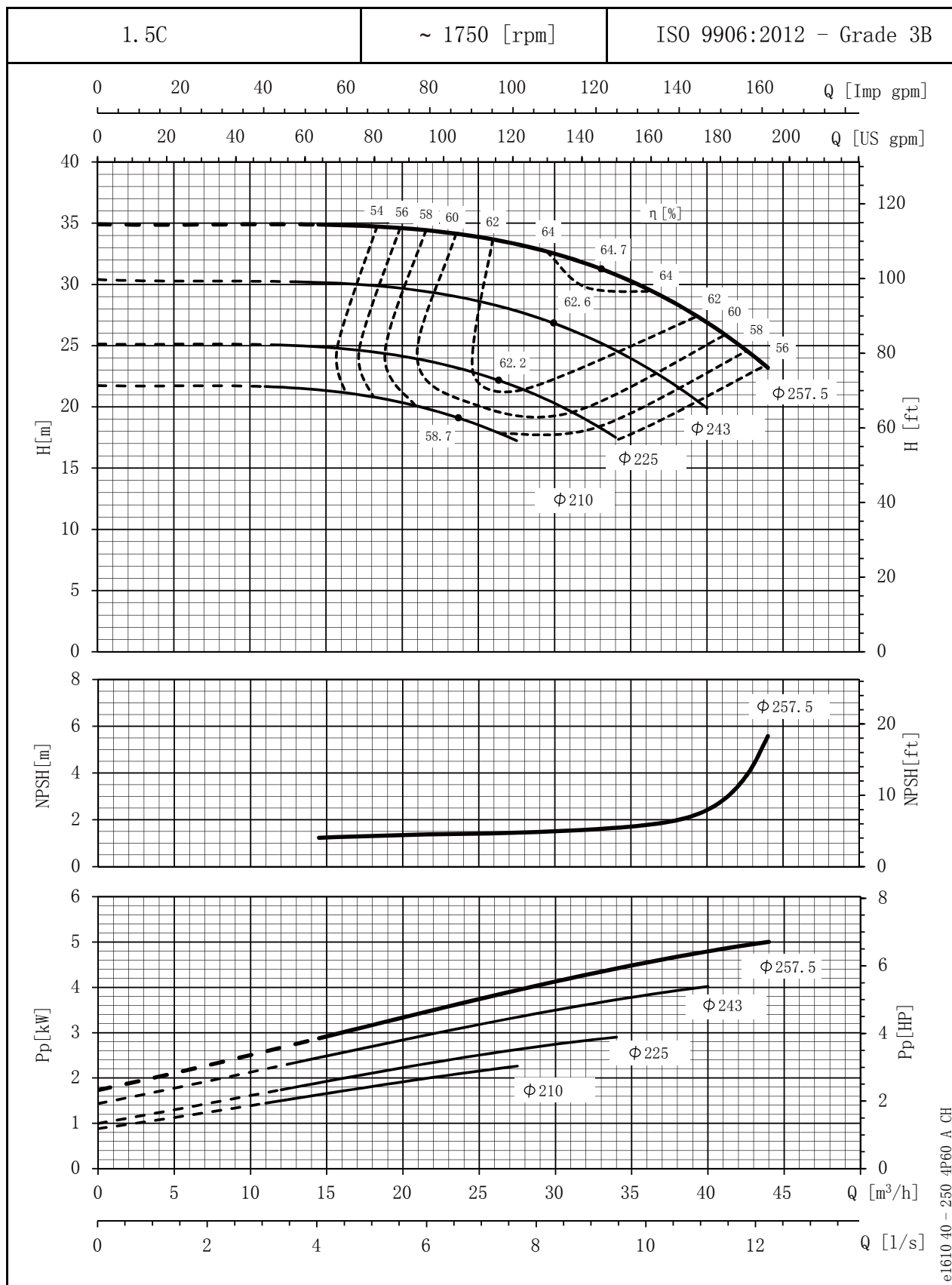
The NPSH values are laboratory values; for practical use we suggest increasing these values by 0,5 m.
These performances are valid for liquids with density $\rho = 1,0 \text{ Kg/dm}^3$ and kinematic viscosity $\nu = 1 \text{ mm}^2/\text{sec}$.

e1610 Series Operating Characteristics At 60 Hz, 4 Poles



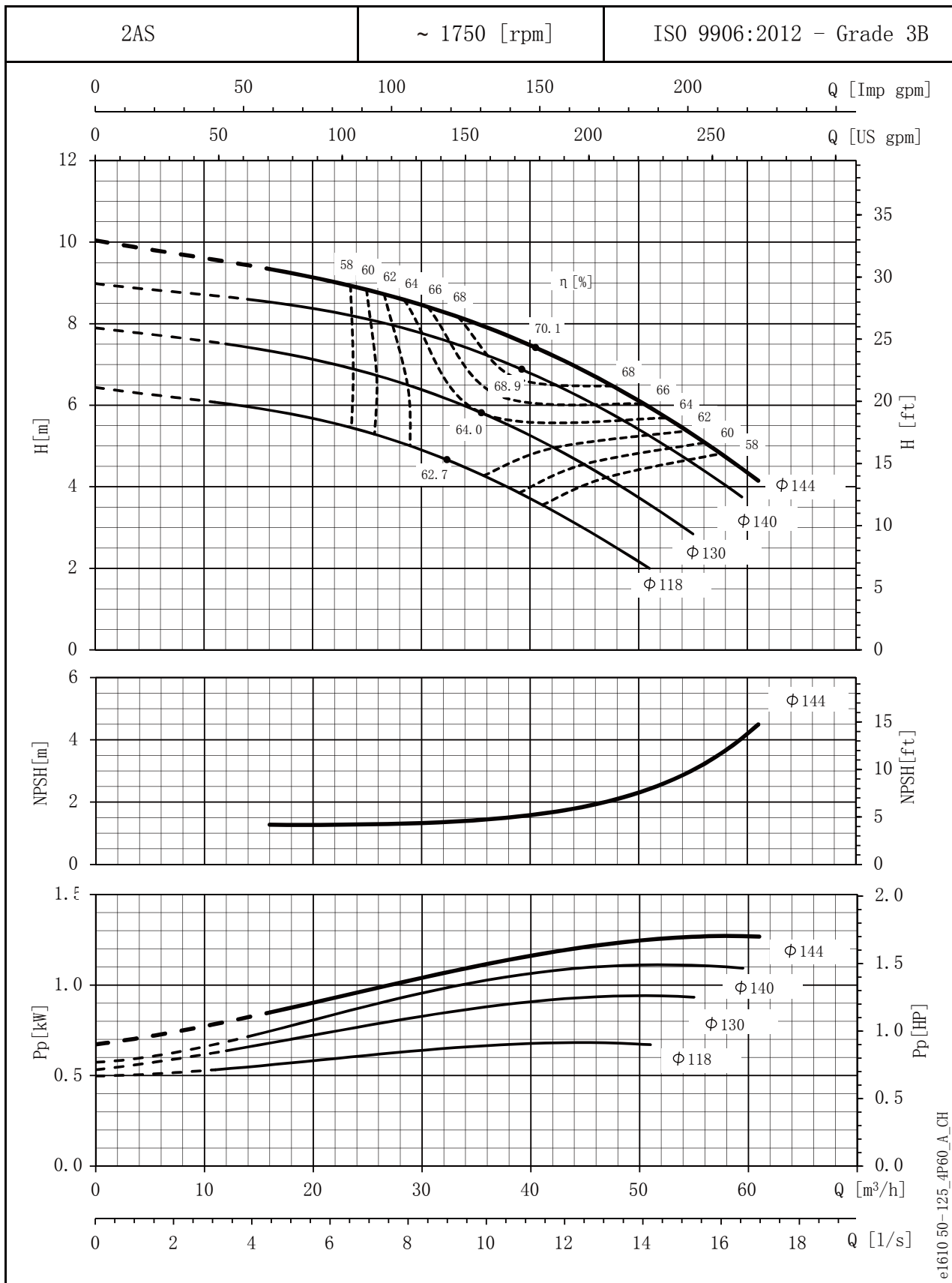
The NPSH values are laboratory values; for practical use we suggest increasing these values by 0,5 m.
These performances are valid for liquids with density $\rho = 1,0 \text{ Kg/dm}^3$ and kinematic viscosity $\nu = 1 \text{ mm}^2/\text{sec}$.

e1610 Series Operating Characteristics At 60 Hz, 4 Poles



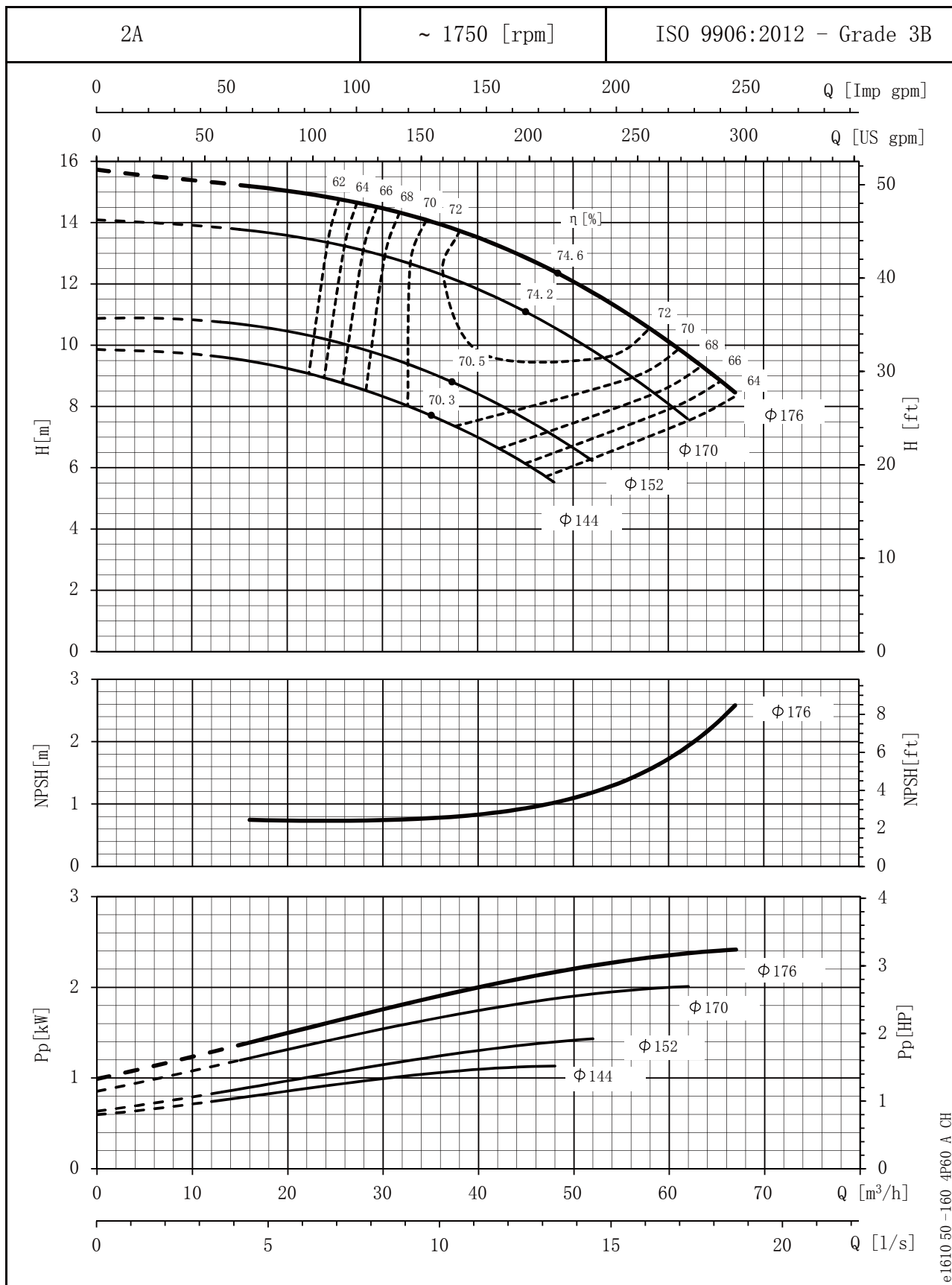
The NPSH values are laboratory values; for practical use we suggest increasing these values by 0,5 m.
 These performances are valid for liquids with density $\rho = 1,0 \text{ Kg/dm}^3$ and kinematic viscosity $\nu = 1 \text{ mm}^2/\text{sec}$.

e1610 Series Operating Characteristics At 60 Hz, 4 Poles



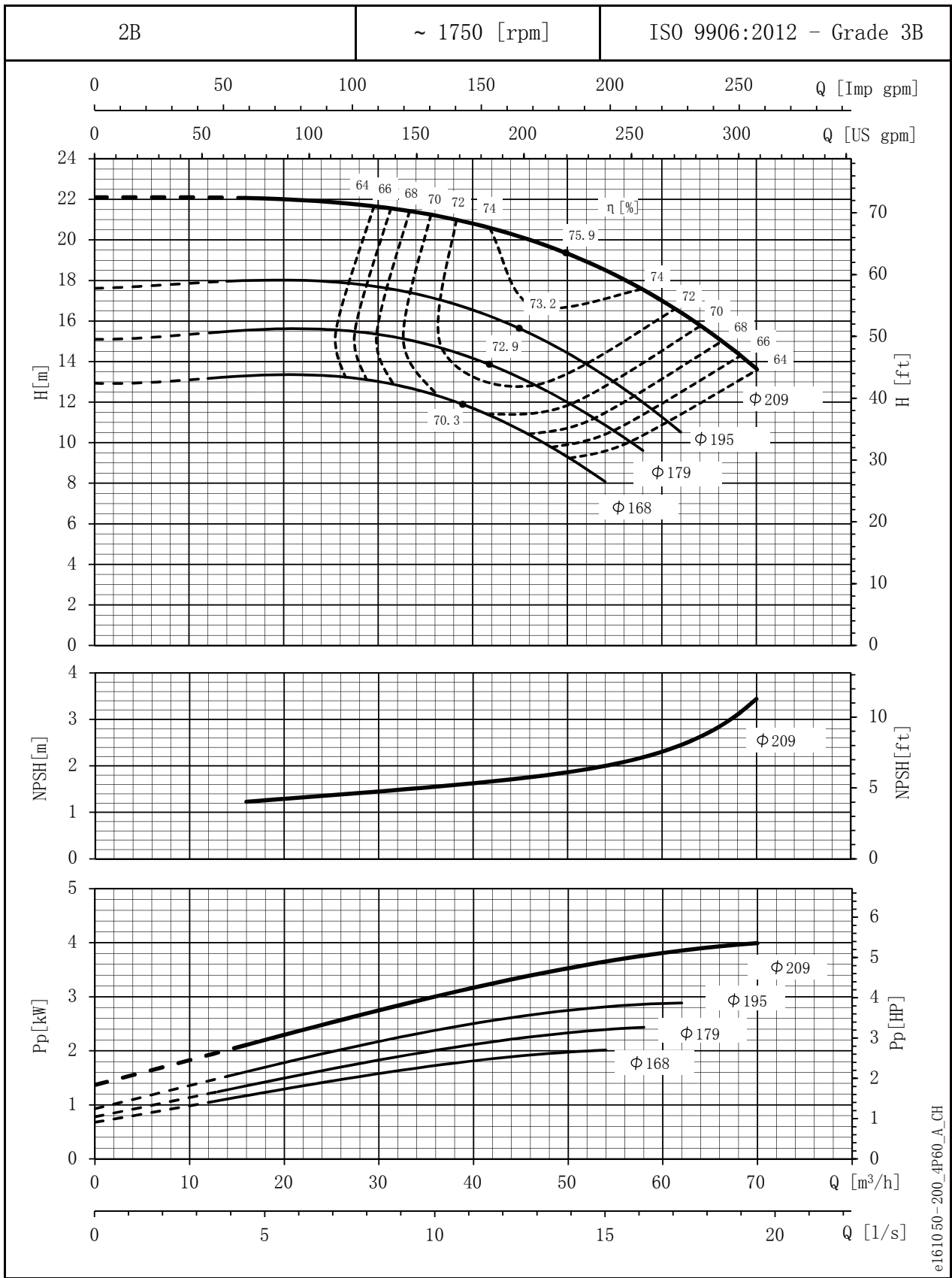
The NPSH values are laboratory values; for practical use we suggest increasing these values by 0,5 m.
 These performances are valid for liquids with density $\rho = 1,0 \text{ Kg/dm}^3$ and kinematic viscosity $\nu = 1 \text{ mm}^2/\text{sec}$.

e1610 Series Operating Characteristics At 60 Hz, 4 Poles



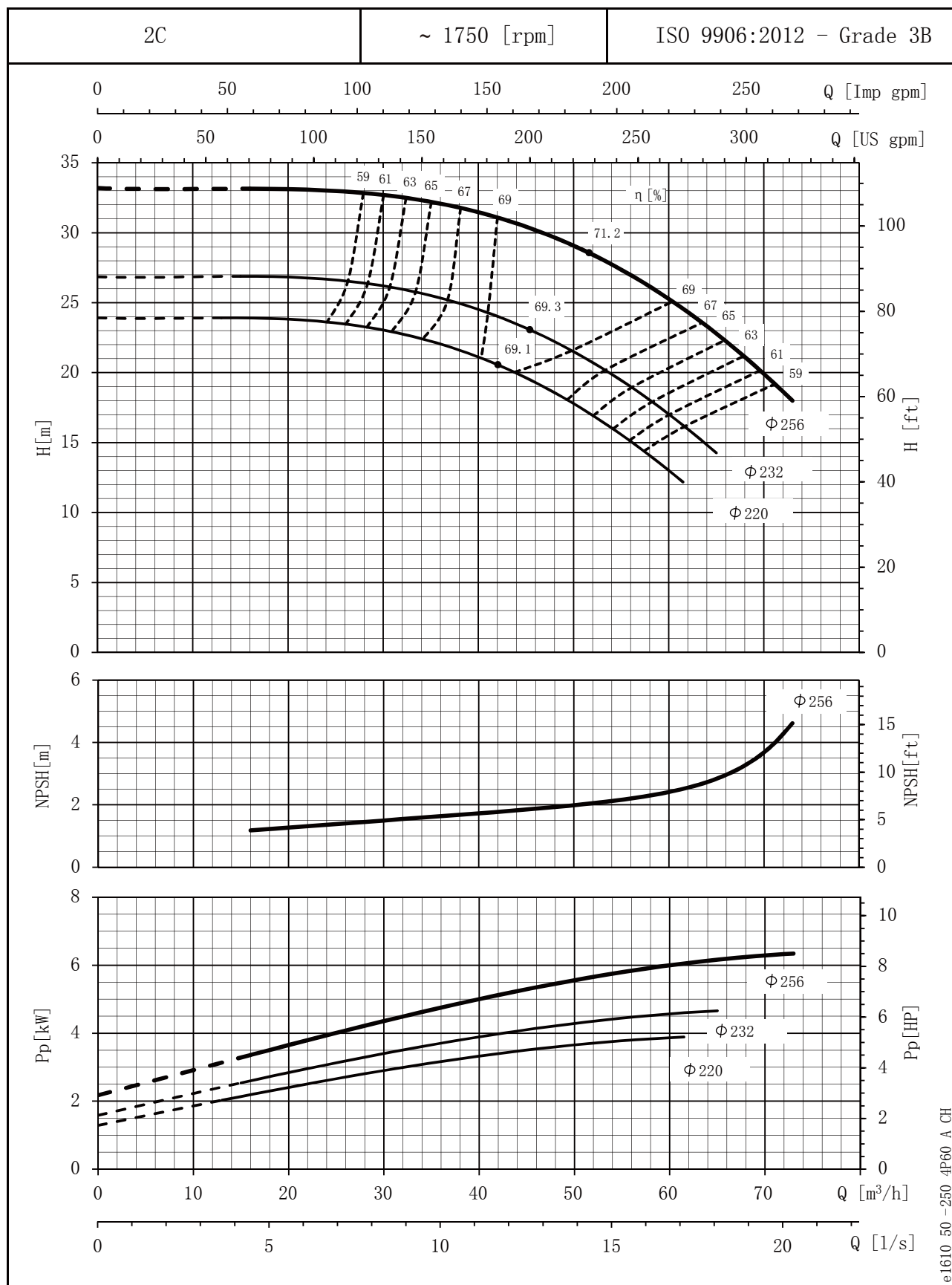
The NPSH values are laboratory values; for practical use we suggest increasing these values by 0,5 m.
 These performances are valid for liquids with density $\rho = 1,0 \text{ Kg/dm}^3$ and kinematic viscosity $\nu = 1 \text{ mm}^2/\text{sec}$.

e1610 Series Operating Characteristics At 60 Hz, 4 Poles



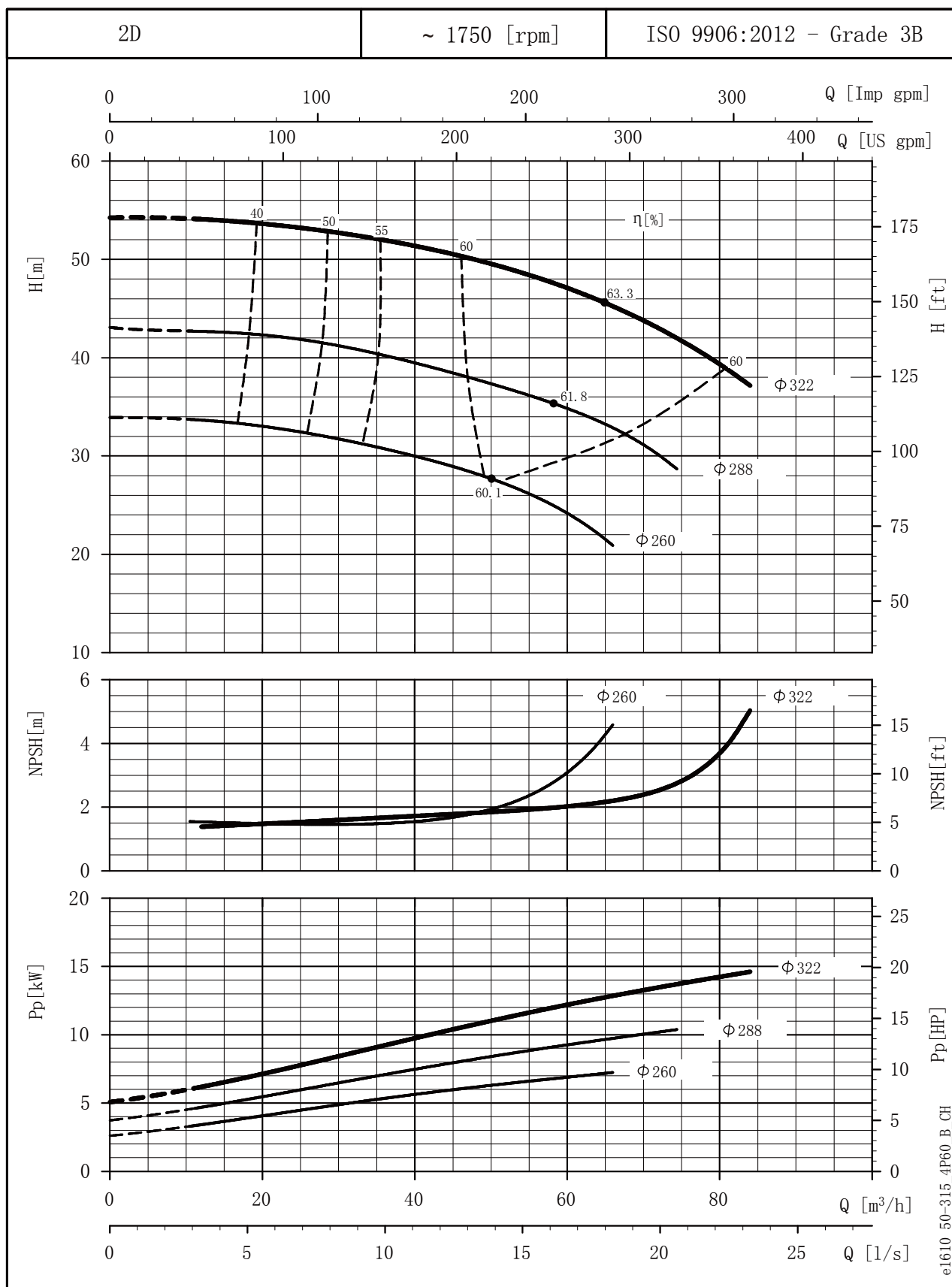
The NPSH values are laboratory values; for practical use we suggest increasing these values by 0,5 m.
These performances are valid for liquids with density $\rho = 1,0 \text{ Kg/dm}^3$ and kinematic viscosity $\nu = 1 \text{ mm}^2/\text{sec}$.

e1610 Series Operating Characteristics At 60 Hz, 4 Poles



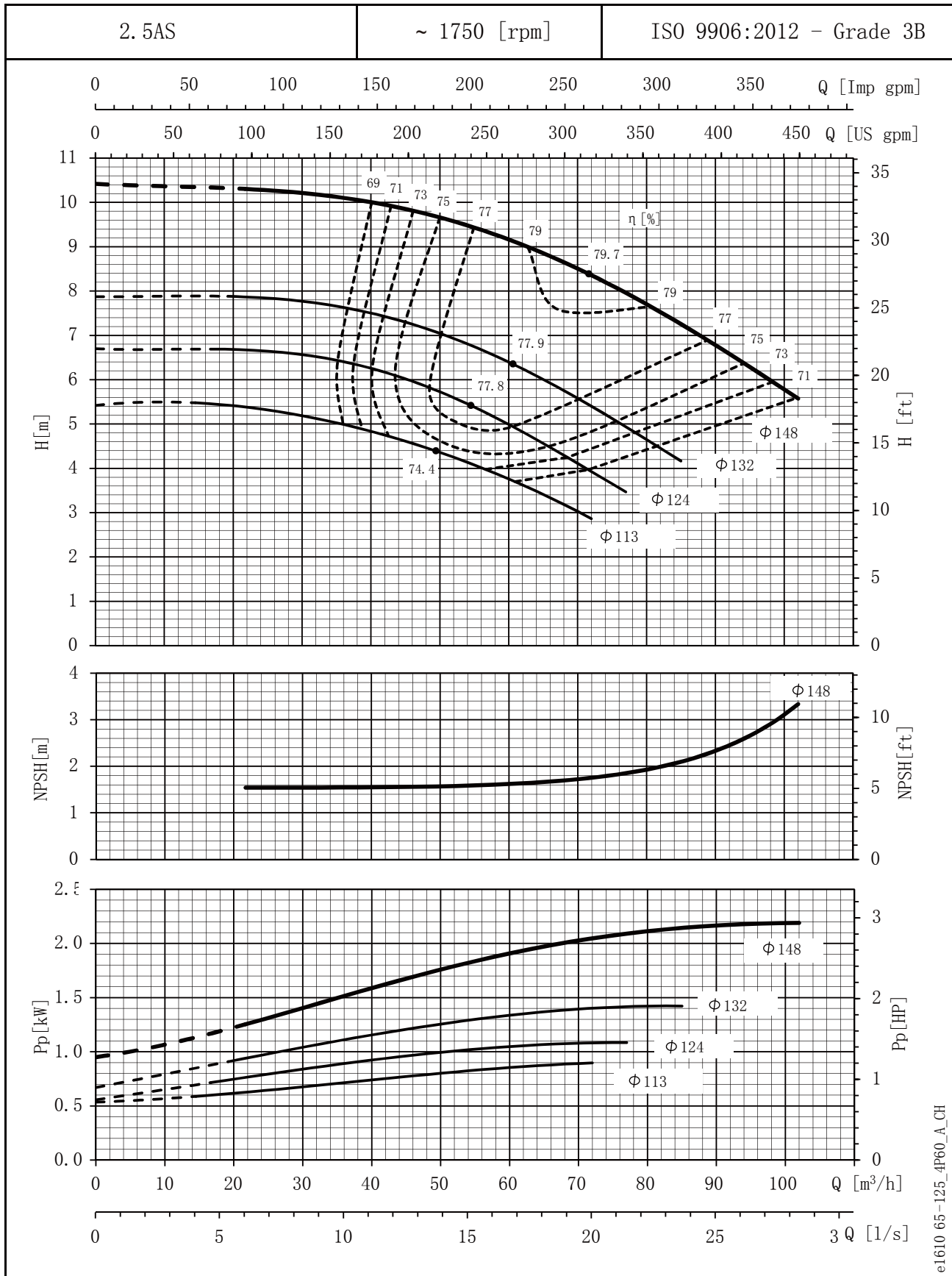
The NPSH values are laboratory values; for practical use we suggest increasing these values by 0,5 m.
 These performances are valid for liquids with density $\rho = 1,0 \text{ Kg/dm}^3$ and kinematic viscosity $\nu = 1 \text{ mm}^2/\text{sec}$.

e1610 Series Operating Characteristics At 60 Hz, 4 Poles



The NPSH values are laboratory values; for practical use we suggest increasing these values by 0,5 m.
 These performances are valid for liquids with density $\rho = 1,0 \text{ Kg/dm}^3$ and kinematic viscosity $\nu = 1 \text{ mm}^2/\text{sec}$.

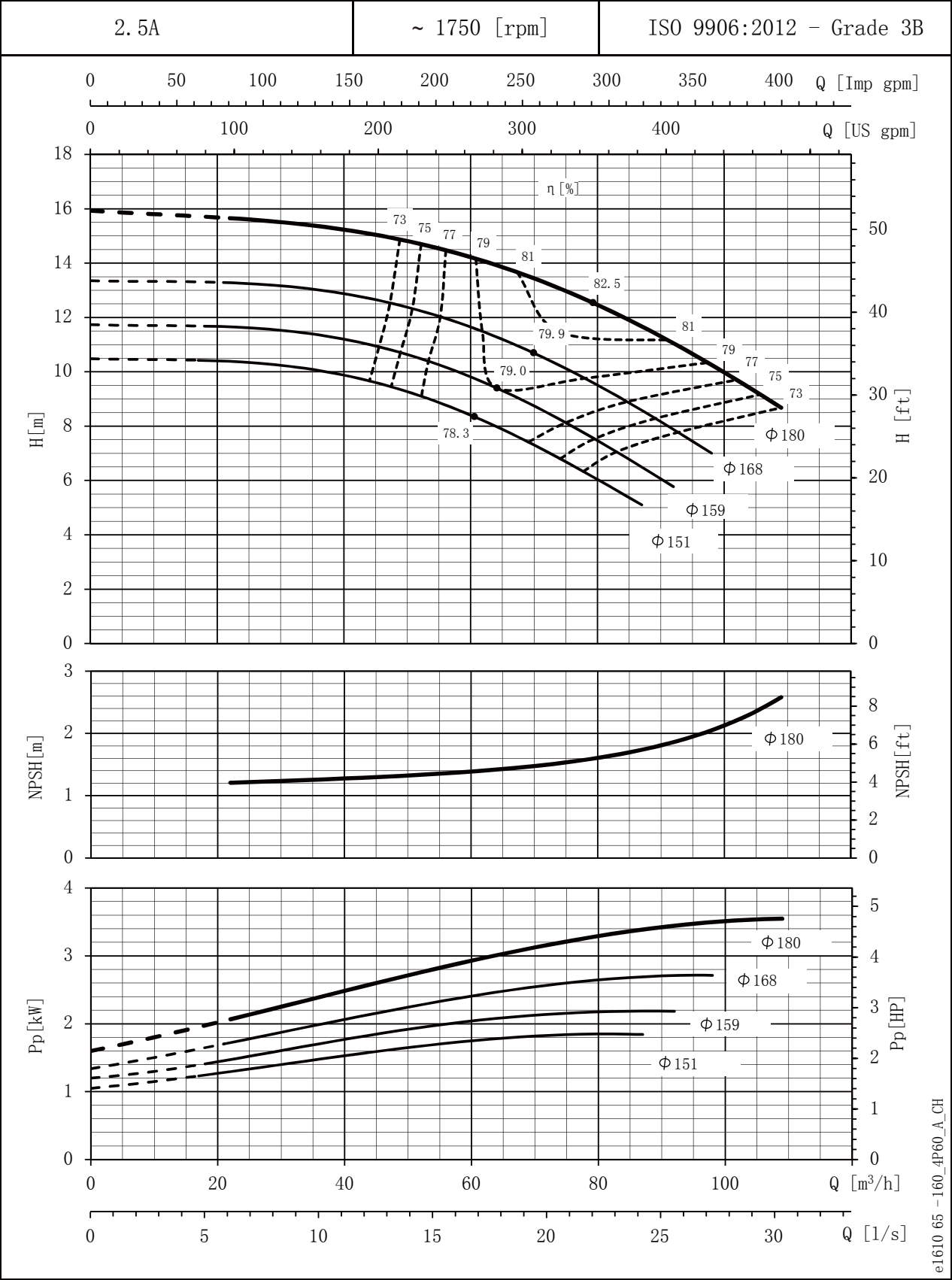
e1610 Series Operating Characteristics At 60 Hz, 4 Poles



e1610 65-125_4P60_A_CH

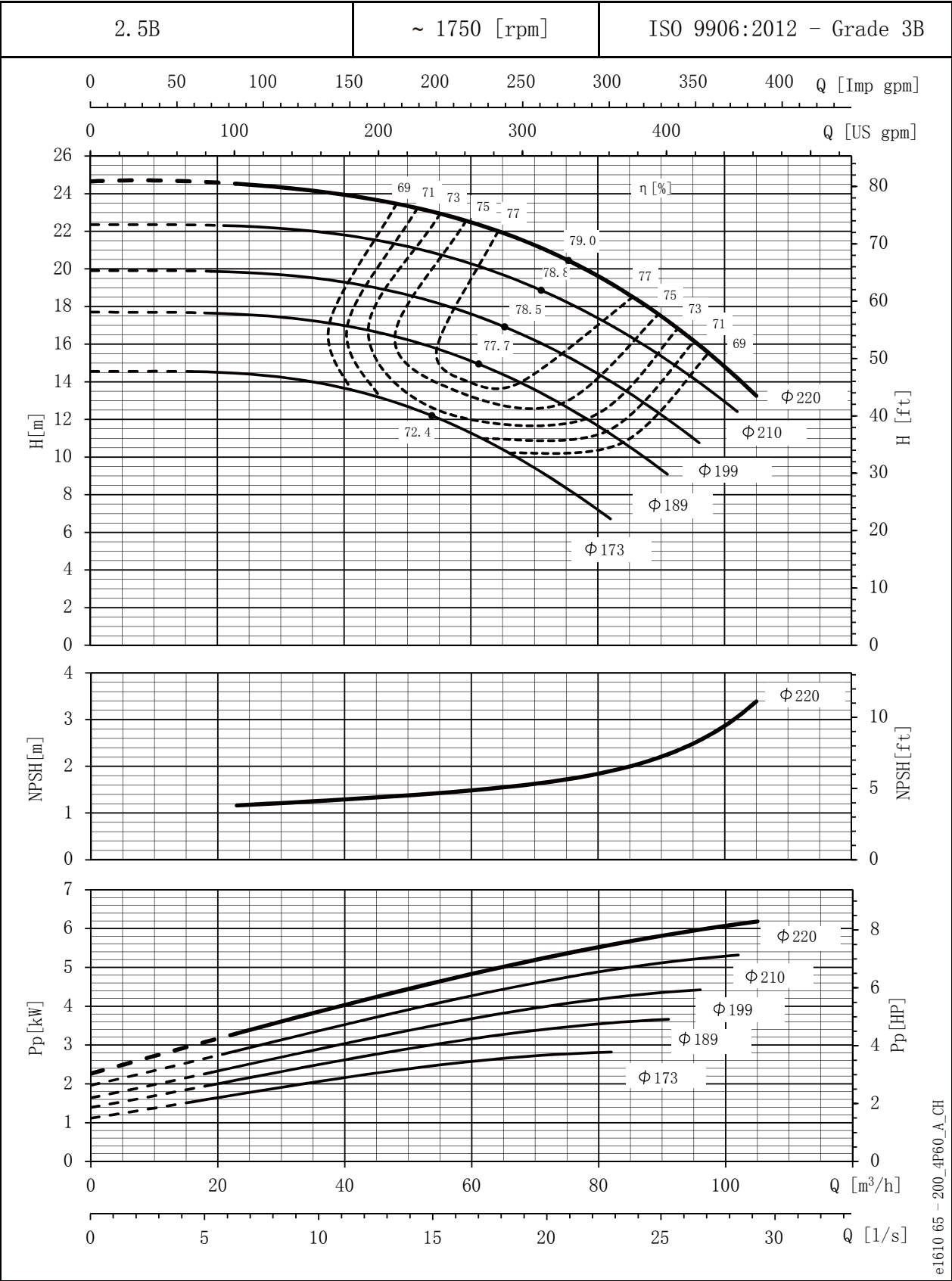
The NPSH values are laboratory values; for practical use we suggest increasing these values by 0,5 m.
 These performances are valid for liquids with density $\rho = 1,0 \text{ Kg/dm}^3$ and kinematic viscosity $\nu = 1 \text{ mm}^2/\text{sec}$.

e1610 Series Operating Characteristics At 60 Hz, 4 Poles



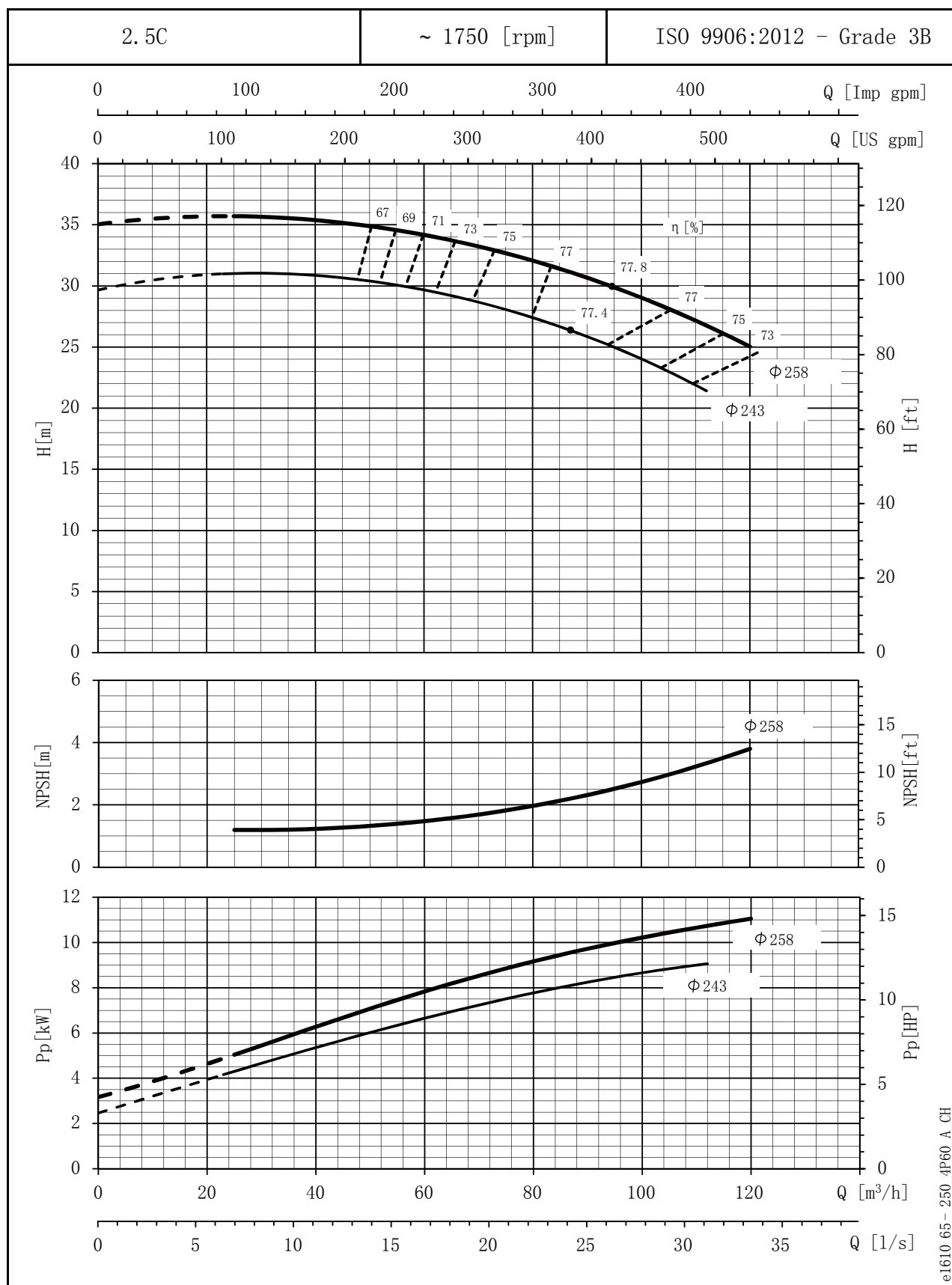
The NPSH values are laboratory values; for practical use we suggest increasing these values by 0,5 m.
These performances are valid for liquids with density $\rho = 1,0 \text{ Kg/dm}^3$ and kinematic viscosity $\nu = 1 \text{ mm}^2/\text{sec}$.

e1610 Series Operating Characteristics At 60 Hz, 4 Poles



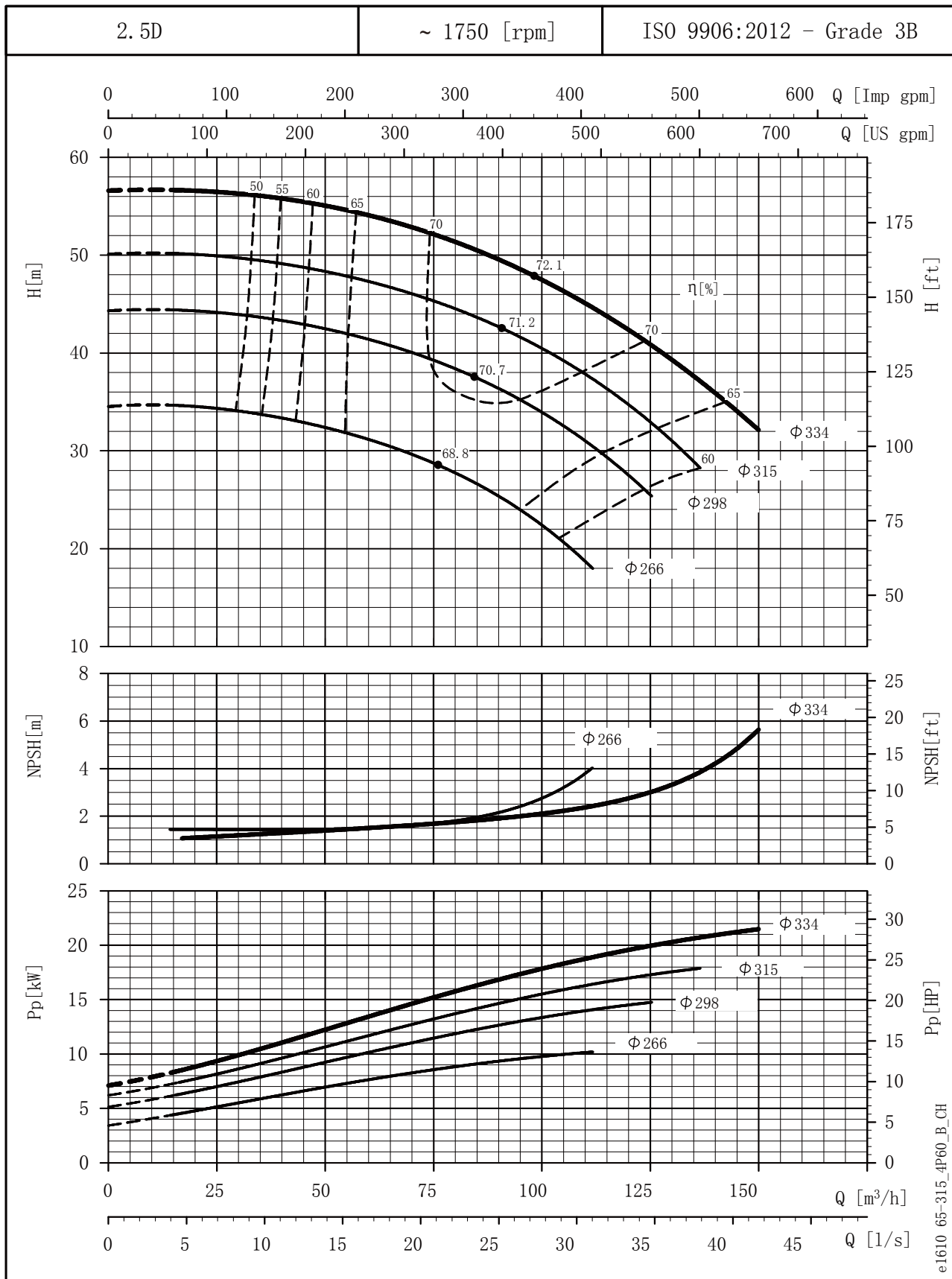
The NPSH values are laboratory values; for practical use we suggest increasing these values by 0,5 m.
These performances are valid for liquids with density $\rho = 1,0 \text{ Kg/dm}^3$ and kinematic viscosity $\nu = 1 \text{ mm}^2/\text{sec}$.

e1610 Series Operating Characteristics At 60 Hz, 4 Poles



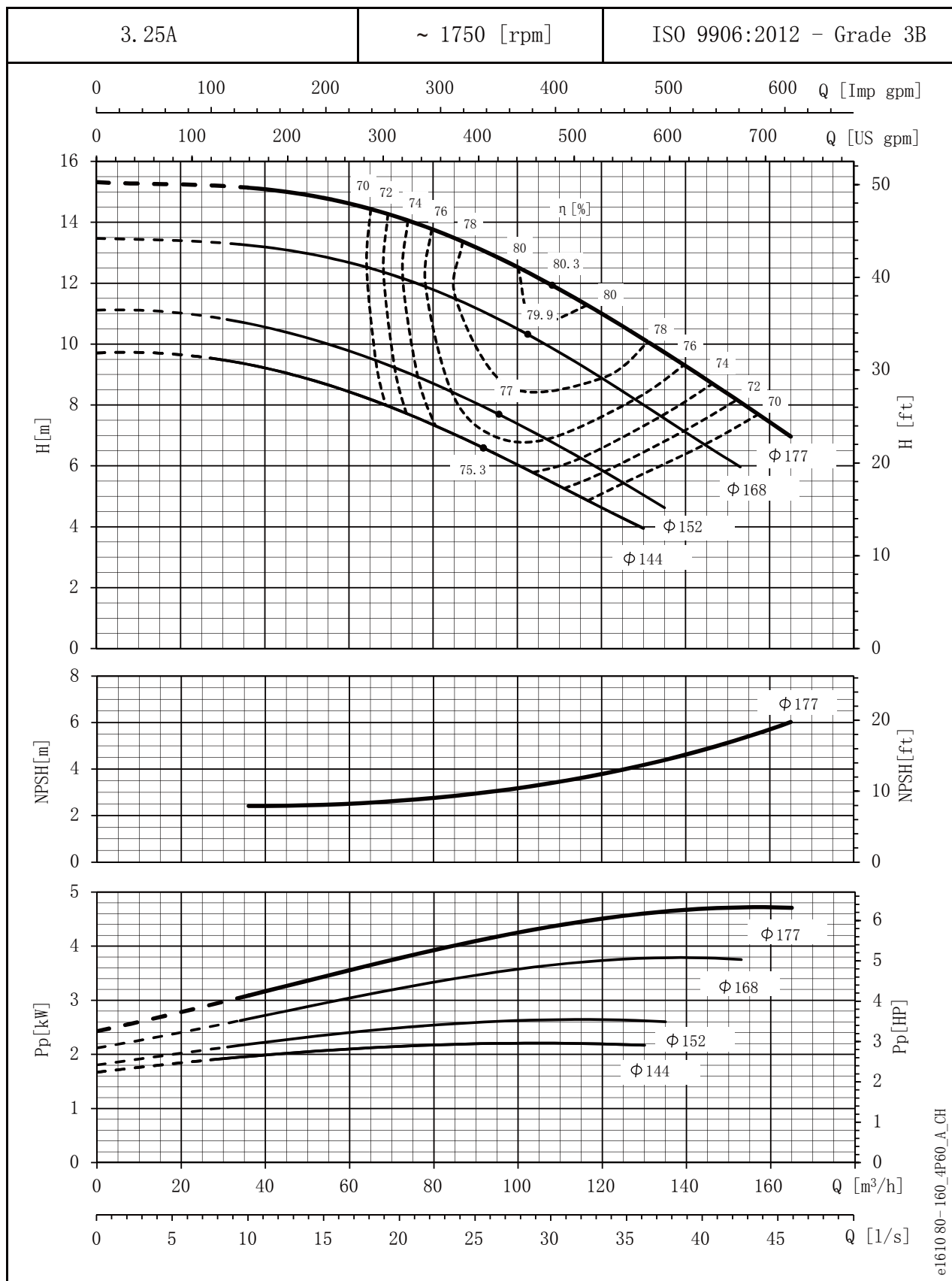
The NPSH values are laboratory values; for practical use we suggest increasing these values by 0,5 m.
 These performances are valid for liquids with density $\rho = 1,0 \text{ Kg/dm}^3$ and kinematic viscosity $\nu = 1 \text{ mm}^2/\text{sec}$.

e1610 Series Operating Characteristics At 60 Hz, 4 Poles



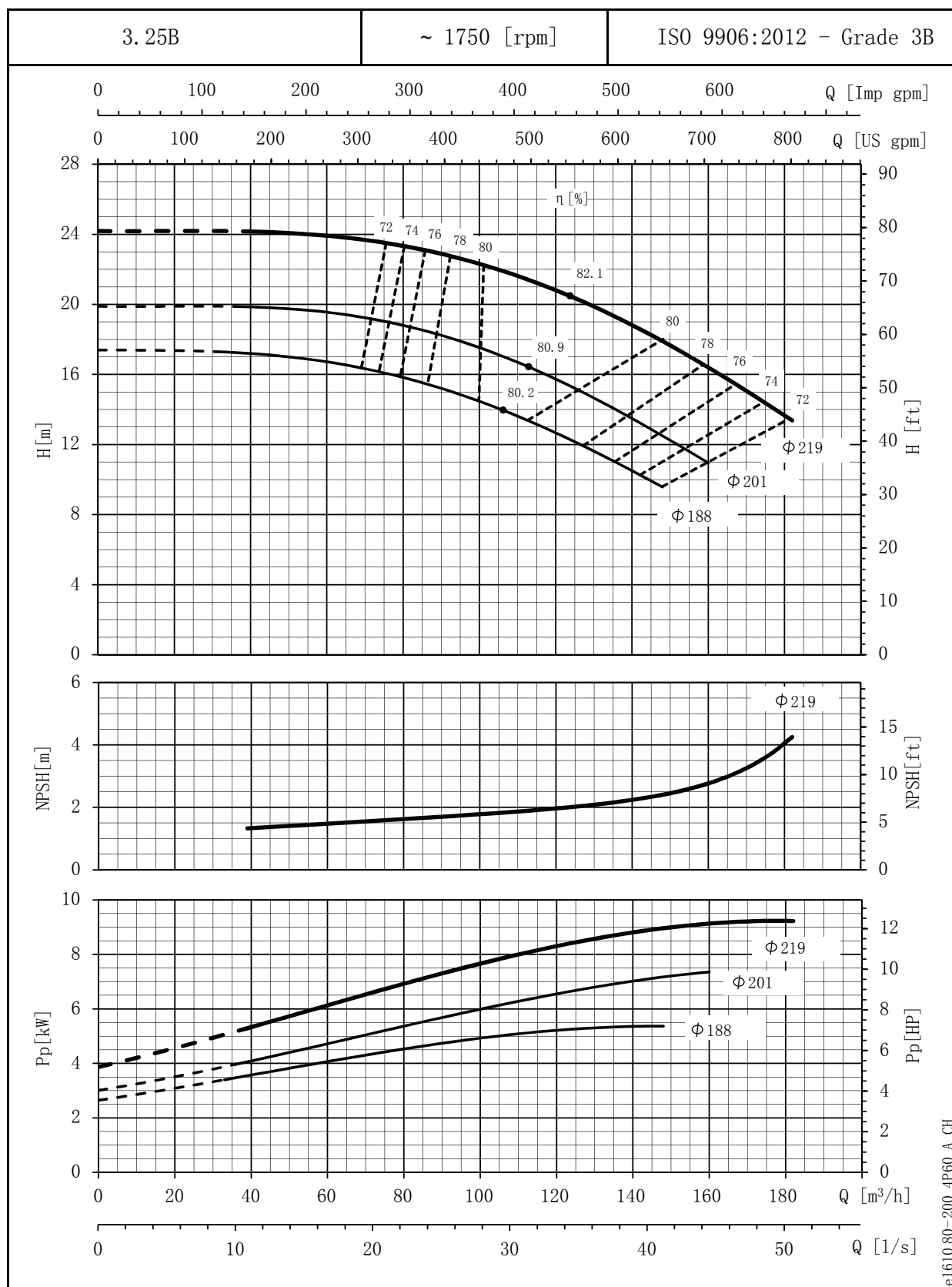
The NPSH values are laboratory values; for practical use we suggest increasing these values by 0,5 m.
 These performances are valid for liquids with density $\rho = 1,0 \text{ Kg/dm}^3$ and kinematic viscosity $\nu = 1 \text{ mm}^2/\text{sec}$.

e1610 Series Operating Characteristics At 60 Hz, 4 Poles



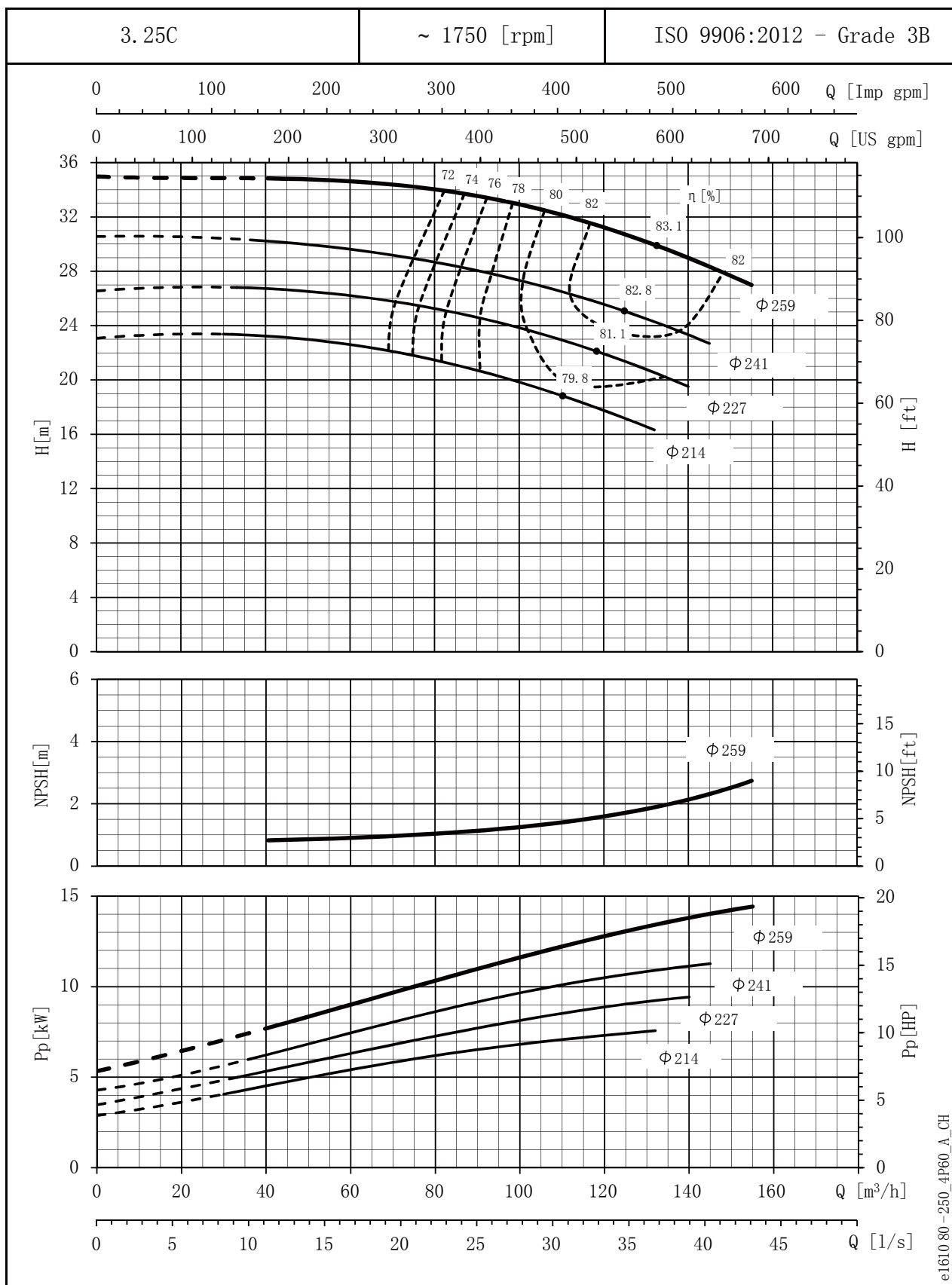
The NPSH values are laboratory values; for practical use we suggest increasing these values by 0,5 m.
These performances are valid for liquids with density $\rho = 1,0 \text{ Kg/dm}^3$ and kinematic viscosity $\nu = 1 \text{ mm}^2/\text{sec}$.

e1610 Series Operating Characteristics At 60 Hz, 4 Poles



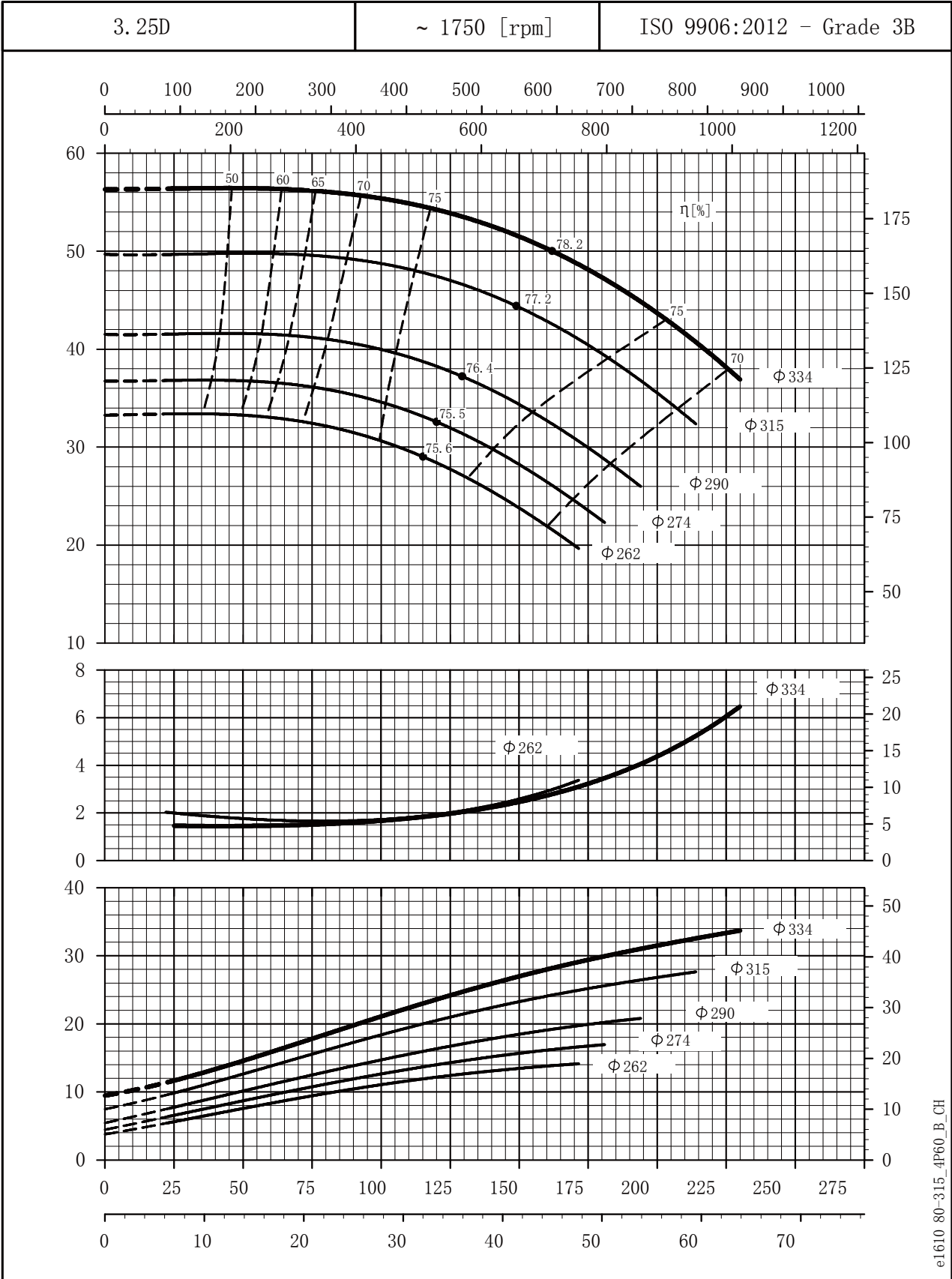
The NPSH values are laboratory values; for practical use we suggest increasing these values by 0,5 m.
 These performances are valid for liquids with density $\rho = 1,0 \text{ Kg/dm}^3$ and kinematic viscosity $\nu = 1 \text{ mm}^2/\text{sec}$.

e1610 Series Operating Characteristics At 60 Hz, 4 Poles



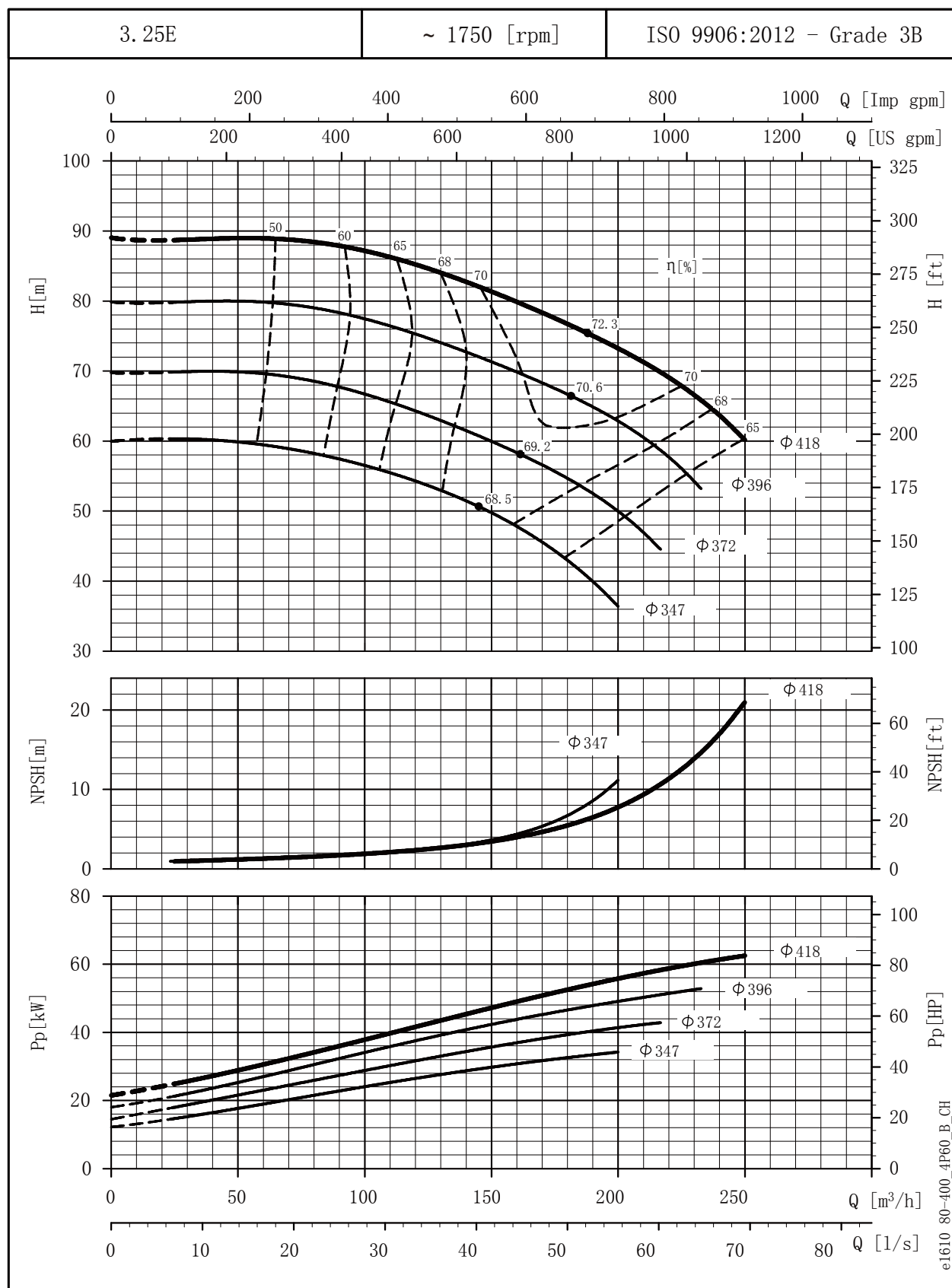
The NPSH values are laboratory values; for practical use we suggest increasing these values by 0,5 m.
 These performances are valid for liquids with density $\rho = 1,0 \text{ Kg/dm}^3$ and kinematic viscosity $\nu = 1 \text{ mm}^2/\text{sec}$.

e1610 Series Operating Characteristics At 60 Hz, 4 Poles



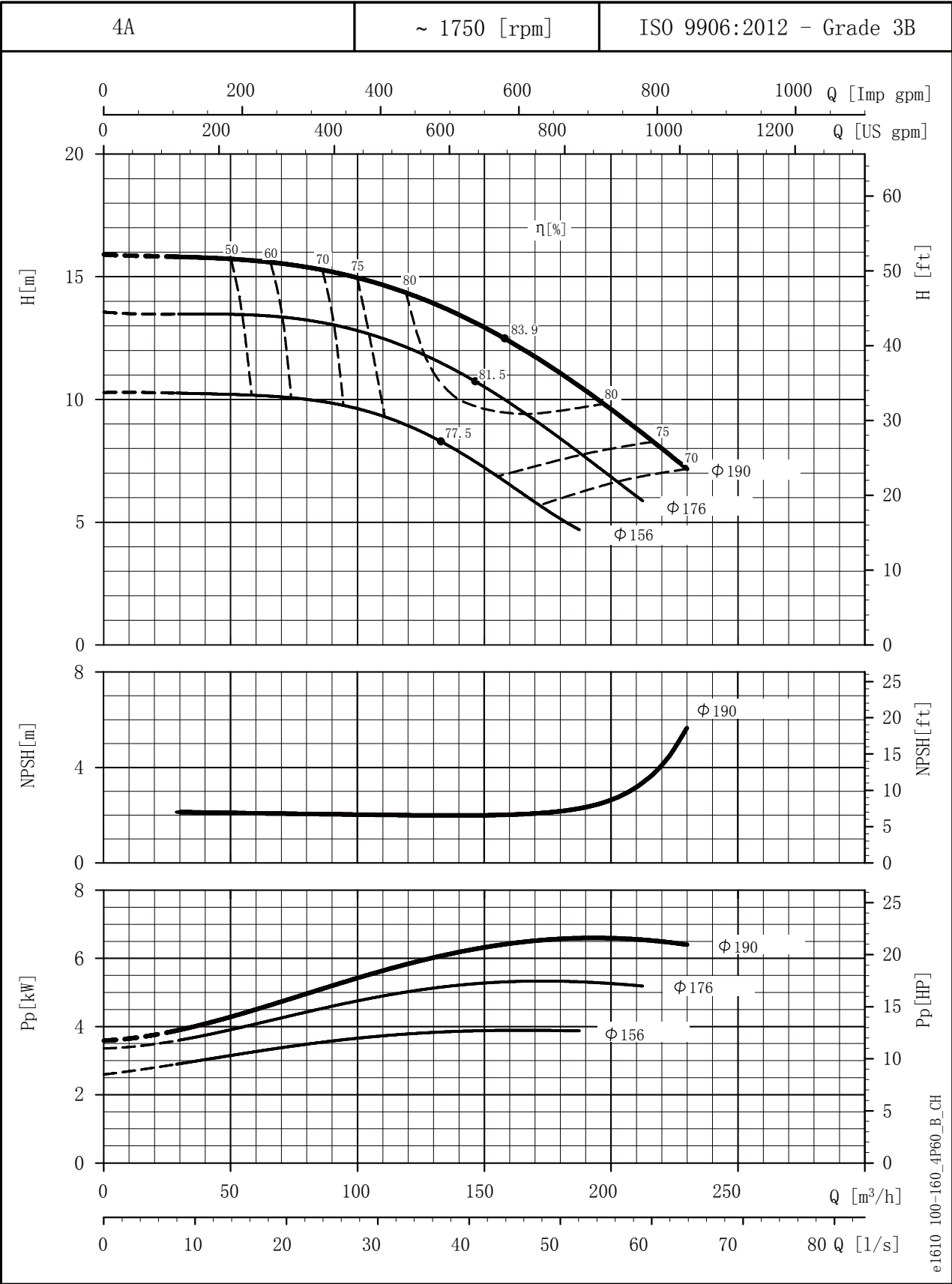
The NPSH values are laboratory values; for practical use we suggest increasing these values by 0,5 m.
These performances are valid for liquids with density $\rho = 1,0 \text{ Kg/dm}^3$ and kinematic viscosity $\nu = 1 \text{ mm}^2/\text{sec}$.

e1610 Series Operating Characteristics At 60 Hz, 4 Poles



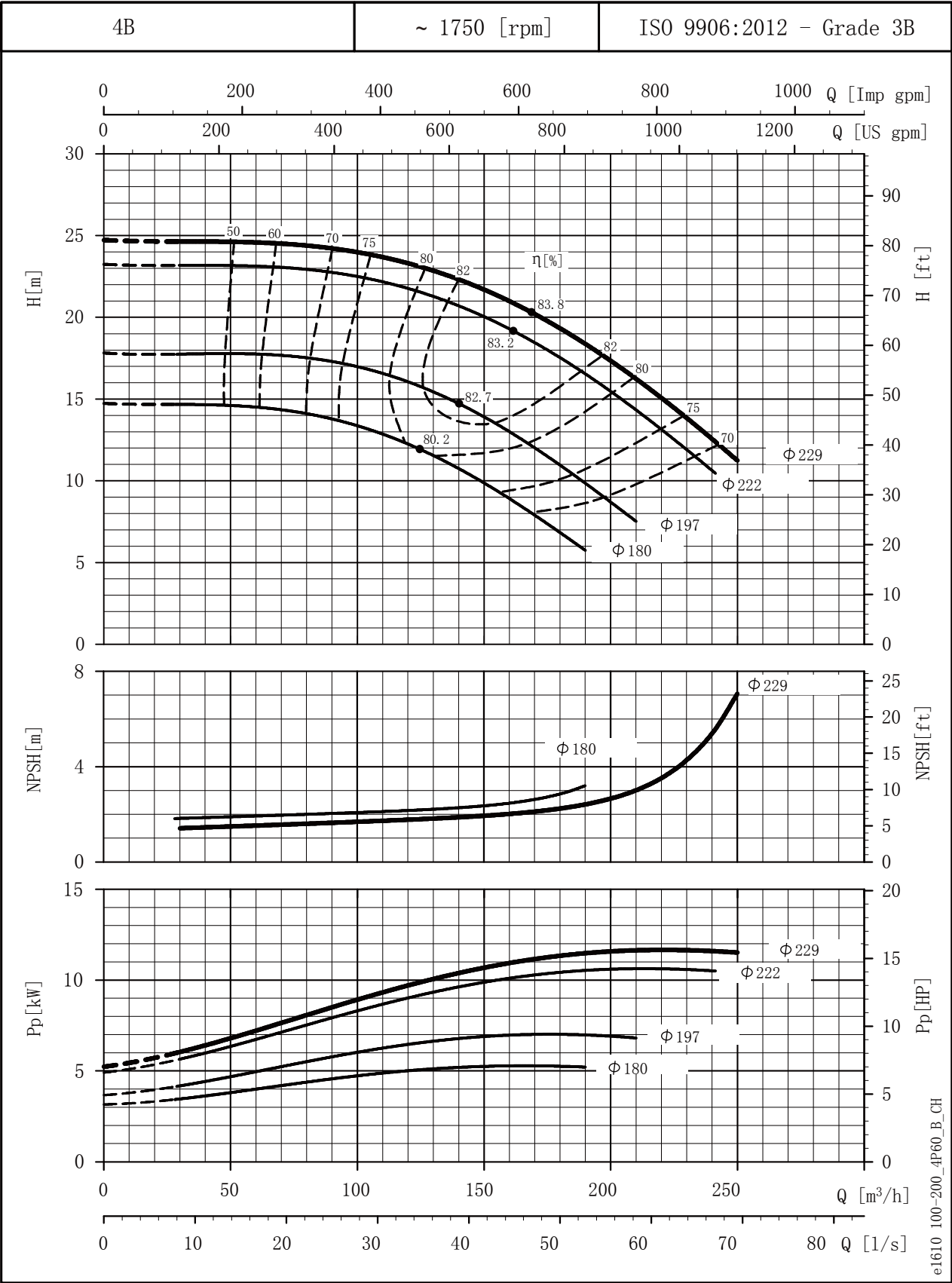
The NPSH values are laboratory values; for practical use we suggest increasing these values by 0,5 m.
 These performances are valid for liquids with density $\rho = 1,0 \text{ Kg/dm}^3$ and kinematic viscosity $\nu = 1 \text{ mm}^2/\text{sec}$.

e1610 Series Operating Characteristics At 60 Hz, 4 Poles

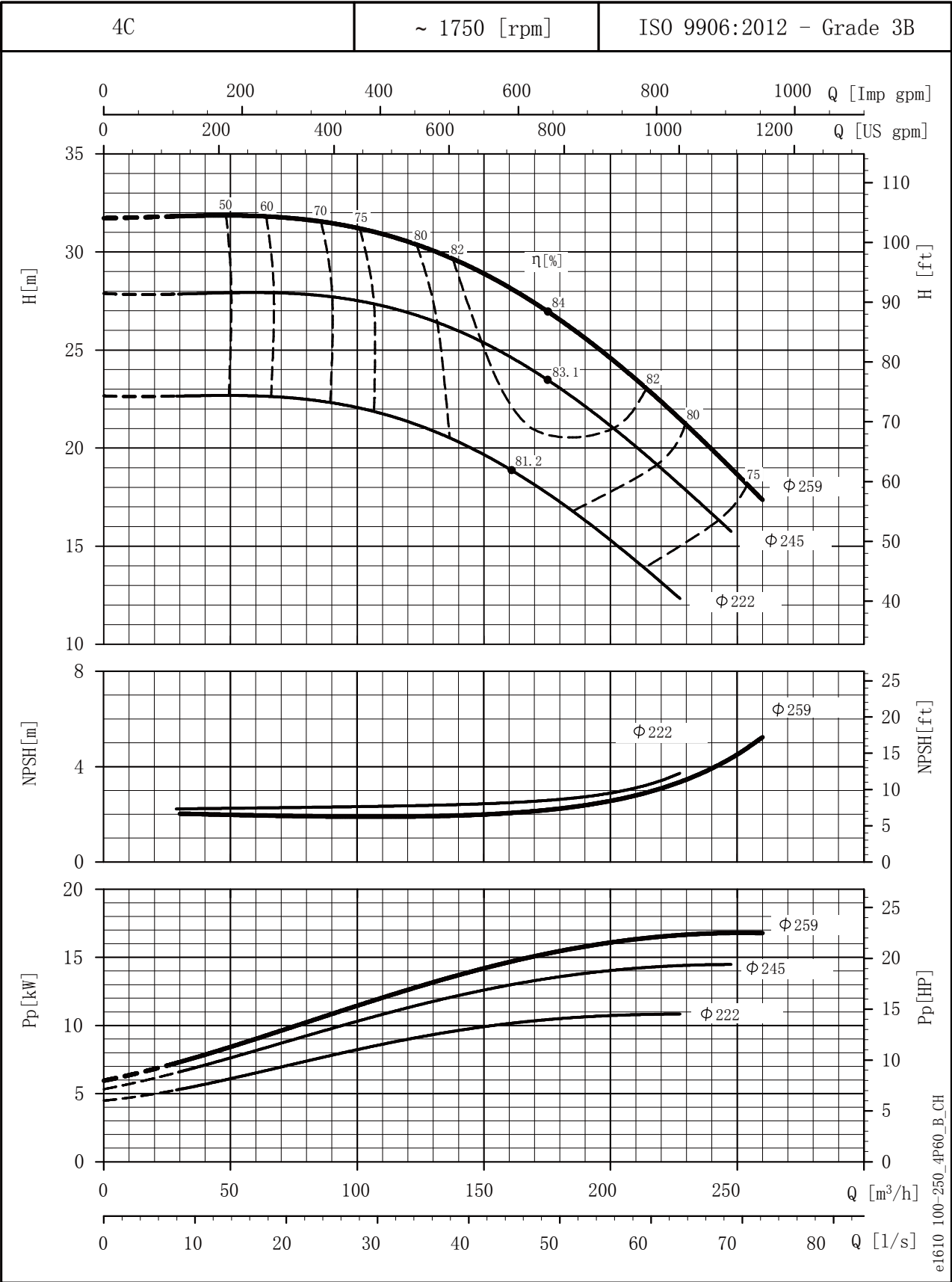


The NPSH values are laboratory values; for practical use we suggest increasing these values by 0,5 m.
These performances are valid for liquids with density $\rho = 1,0 \text{ Kg/dm}^3$ and kinematic viscosity $\nu = 1 \text{ mm}^2/\text{sec}$.

e1610 Series Operating Characteristics At 60 Hz, 4 Poles

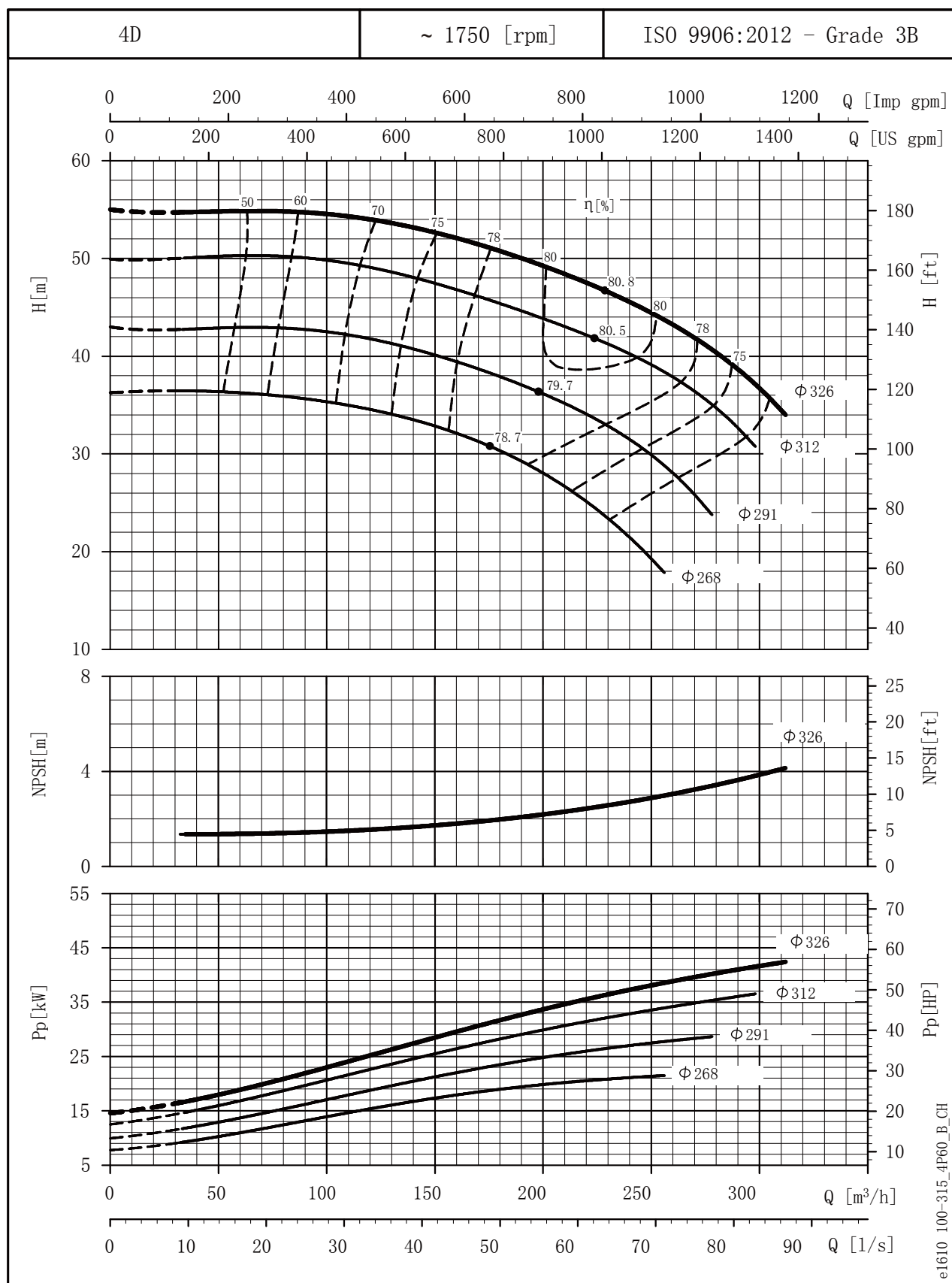


e1610 Series Operating Characteristics At 60 Hz, 4 Poles



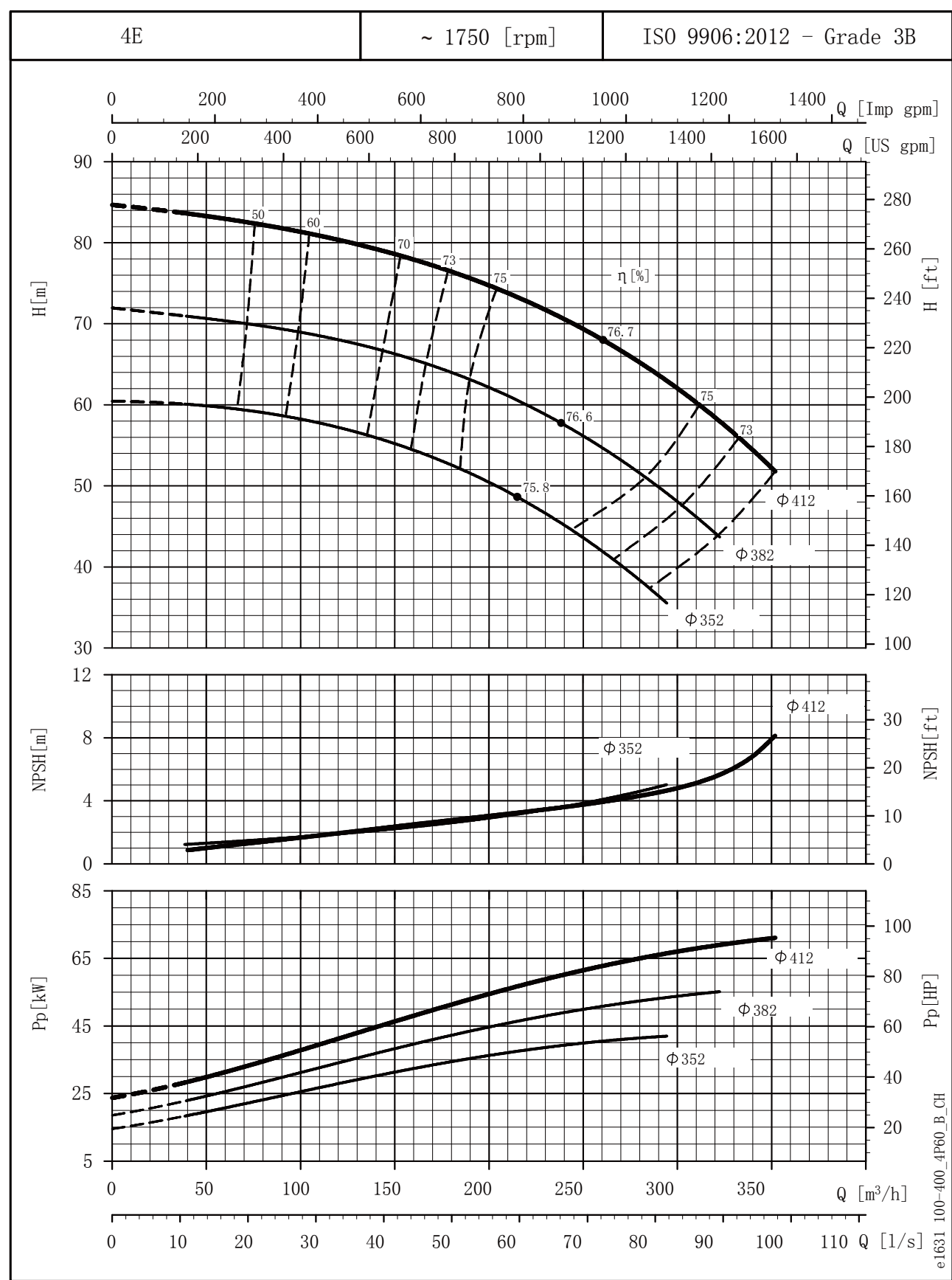
The NPSH values are laboratory values; for practical use we suggest increasing these values by 0,5 m.
These performances are valid for liquids with density $\rho = 1,0 \text{ Kg/dm}^3$ and kinematic viscosity $\nu = 1 \text{ mm}^2/\text{sec}$.

e1610 Series Operating Characteristics At 60 Hz, 4 Poles



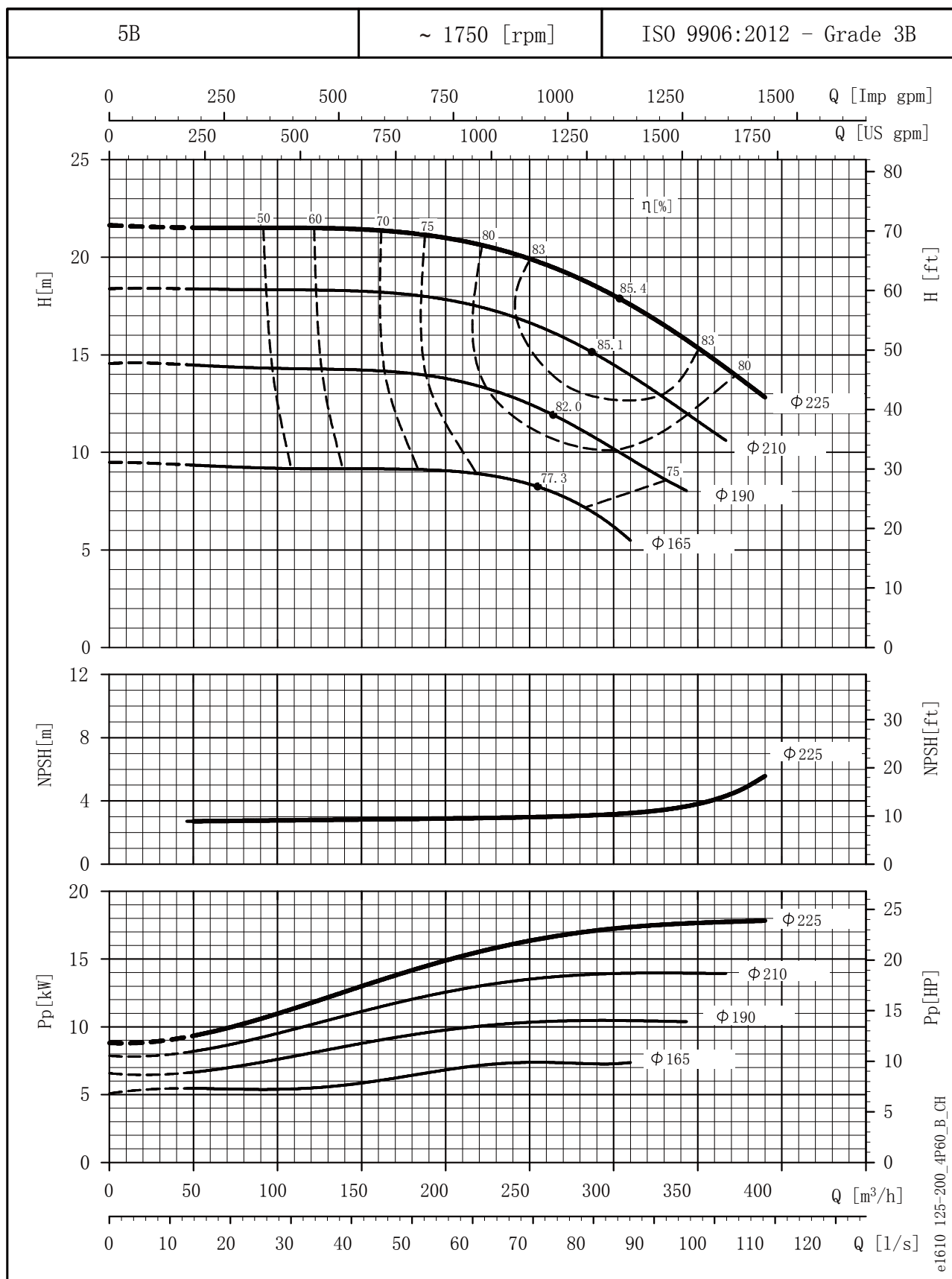
The NPSH values are laboratory values; for practical use we suggest increasing these values by 0,5 m.
 These performances are valid for liquids with density $\rho = 1,0 \text{ Kg/dm}^3$ and kinematic viscosity $\nu = 1 \text{ mm}^2/\text{sec}$.

e1631 Series Operating Characteristics At 60 Hz, 4 Poles



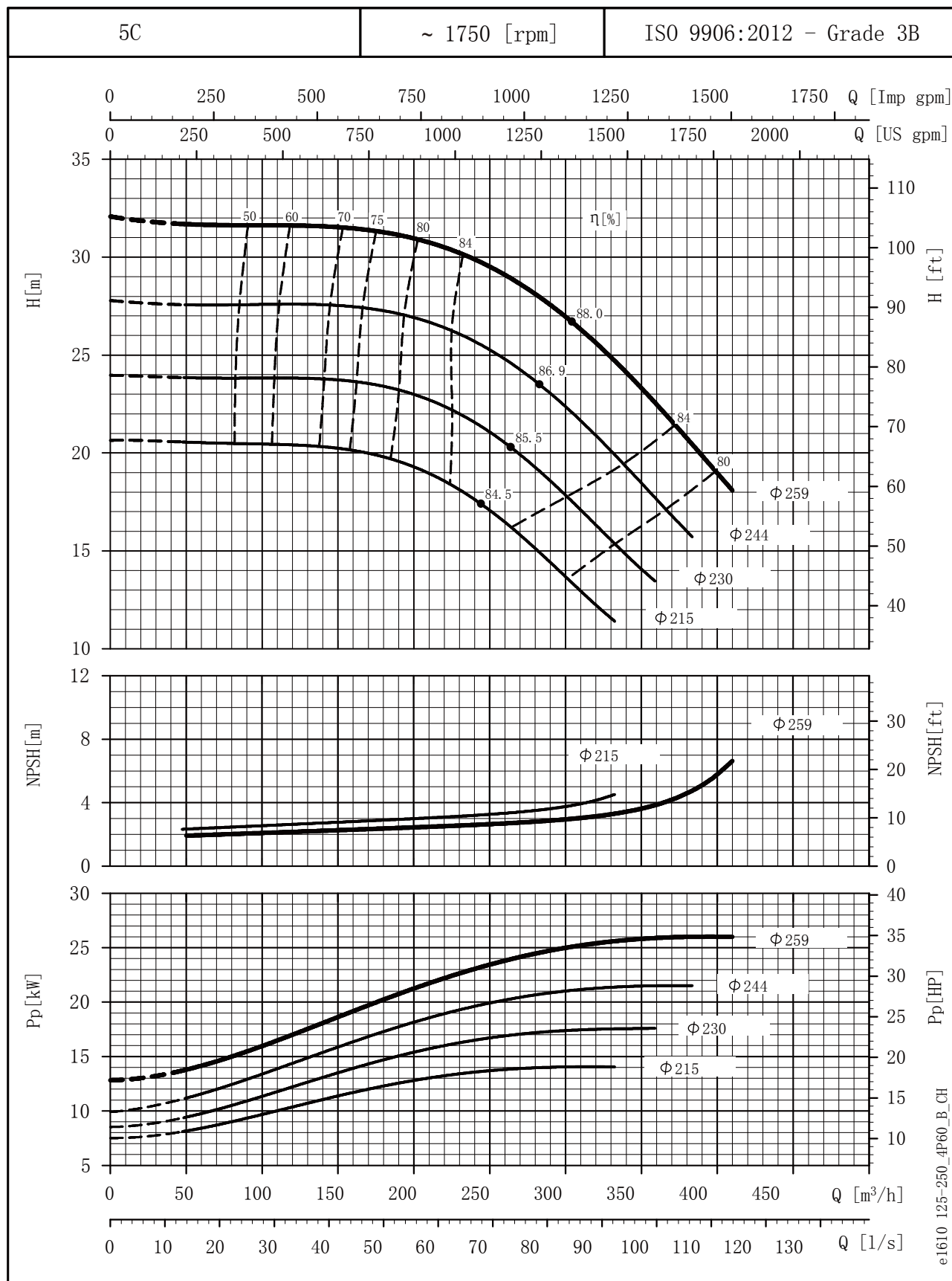
The NPSH values are laboratory values; for practical use we suggest increasing these values by 0,5 m.
These performances are valid for liquids with density $\rho = 1,0 \text{ Kg/dm}^3$ and kinematic viscosity $\nu = 1 \text{ mm}^2/\text{sec}$.

e1610 Series Operating Characteristics At 60 Hz, 4 Poles



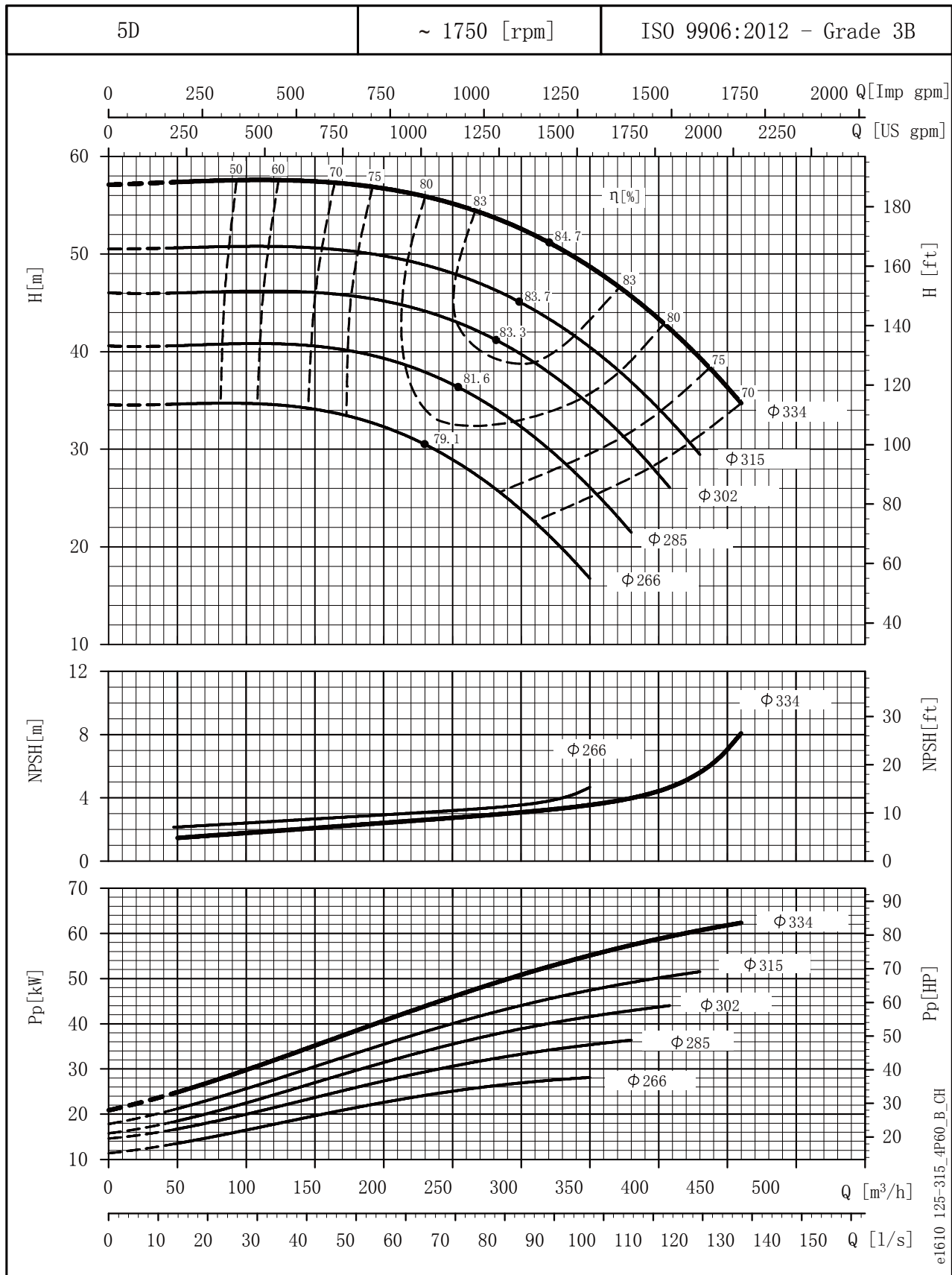
The NPSH values are laboratory values; for practical use we suggest increasing these values by 0,5 m.
These performances are valid for liquids with density $\rho = 1,0 \text{ Kg/dm}^3$ and kinematic viscosity $\nu = 1 \text{ mm}^2/\text{sec}$.

e1610 Series Operating Characteristics At 60 Hz, 4 Poles



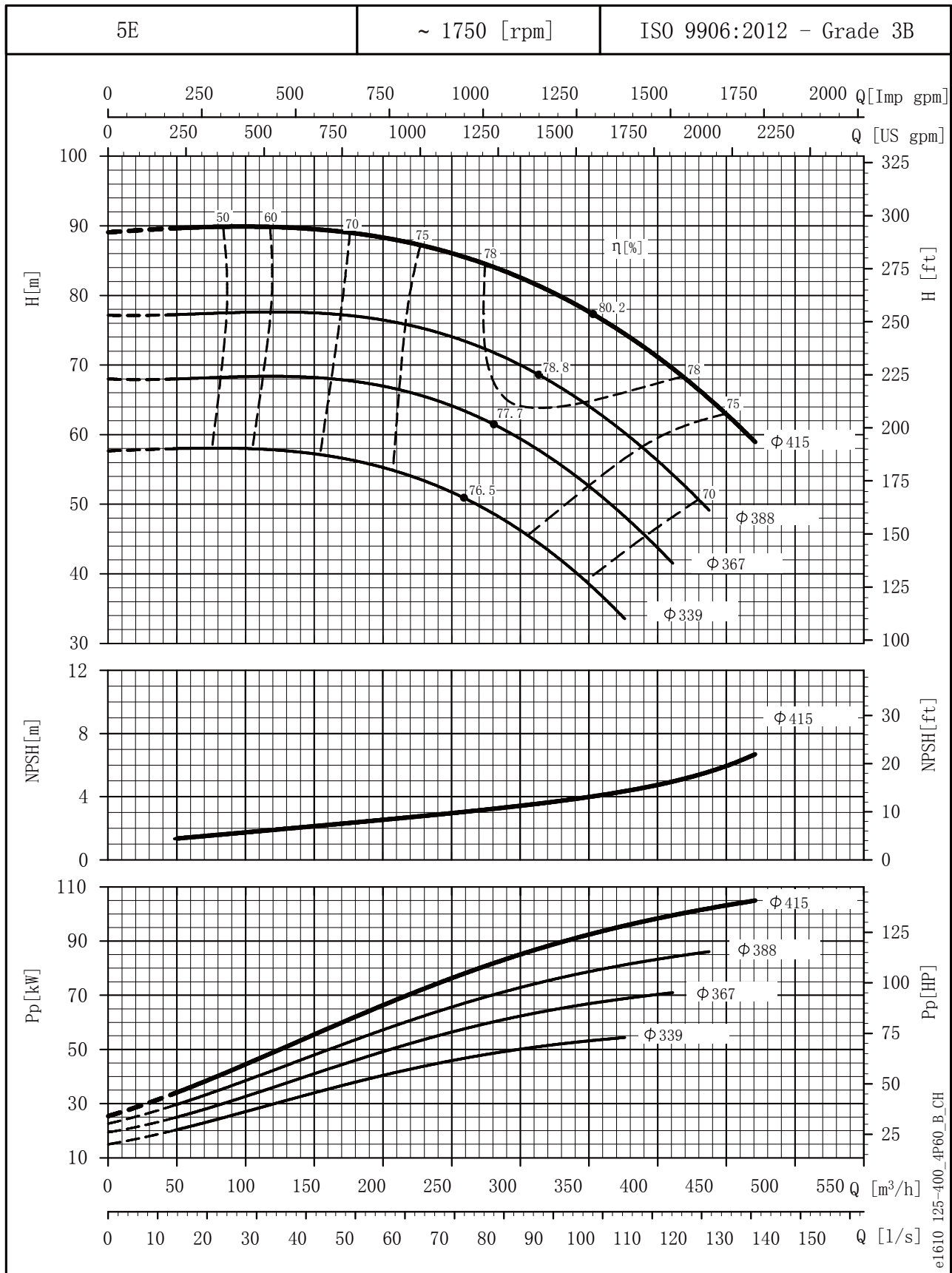
The NPSH values are laboratory values; for practical use we suggest increasing these values by 0,5 m.
 These performances are valid for liquids with density $\rho = 1,0 \text{ Kg/dm}^3$ and kinematic viscosity $\nu = 1 \text{ mm}^2/\text{sec}$.

e1610 Series Operating Characteristics At 60 Hz, 4 Poles



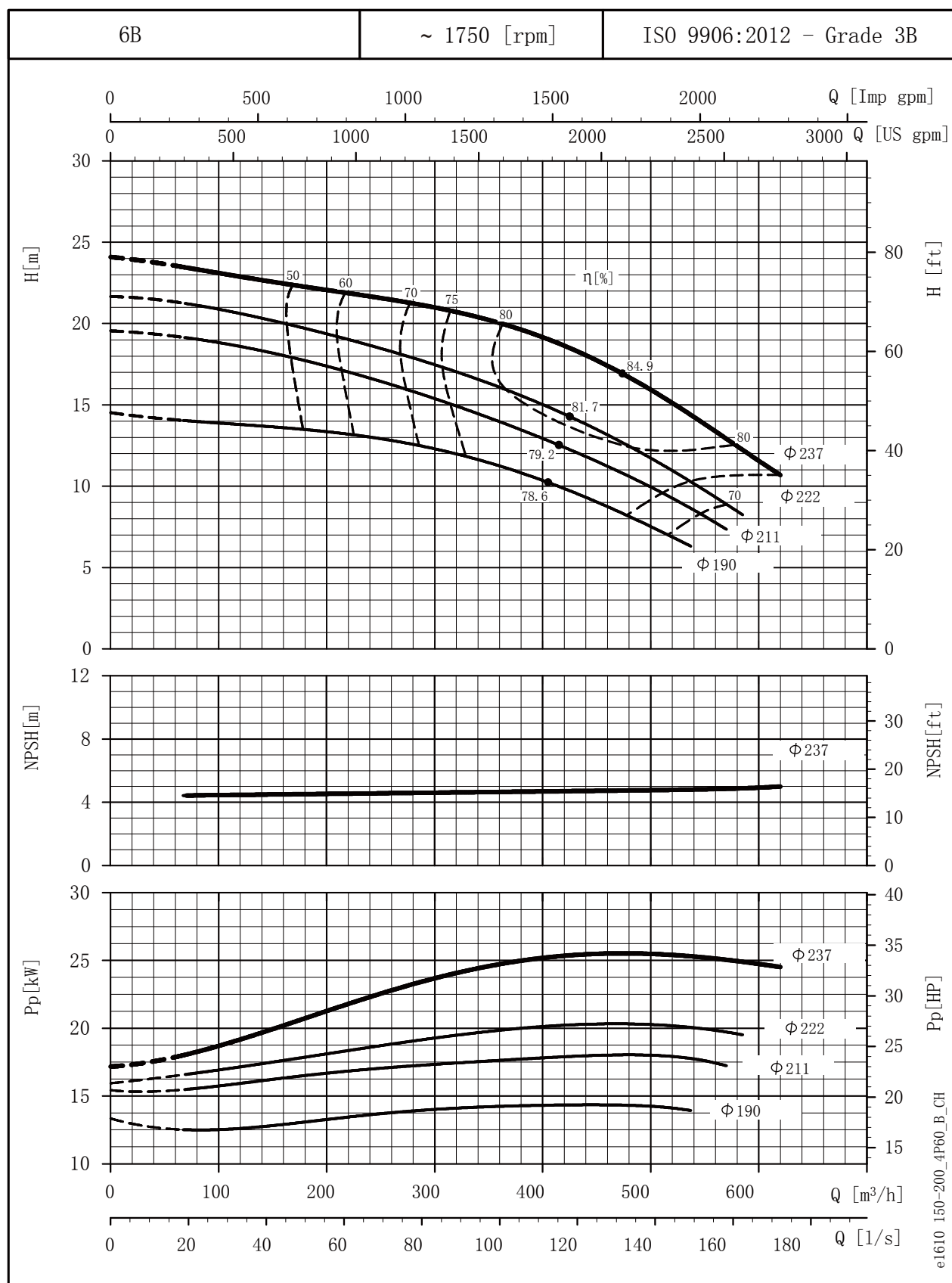
The NPSH values are laboratory values; for practical use we suggest increasing these values by 0,5 m.
 These performances are valid for liquids with density $\rho = 1,0 \text{ Kg/dm}^3$ and kinematic viscosity $\nu = 1 \text{ mm}^2/\text{sec}$.

e1610 Series Operating Characteristics At 60 Hz, 4 Poles



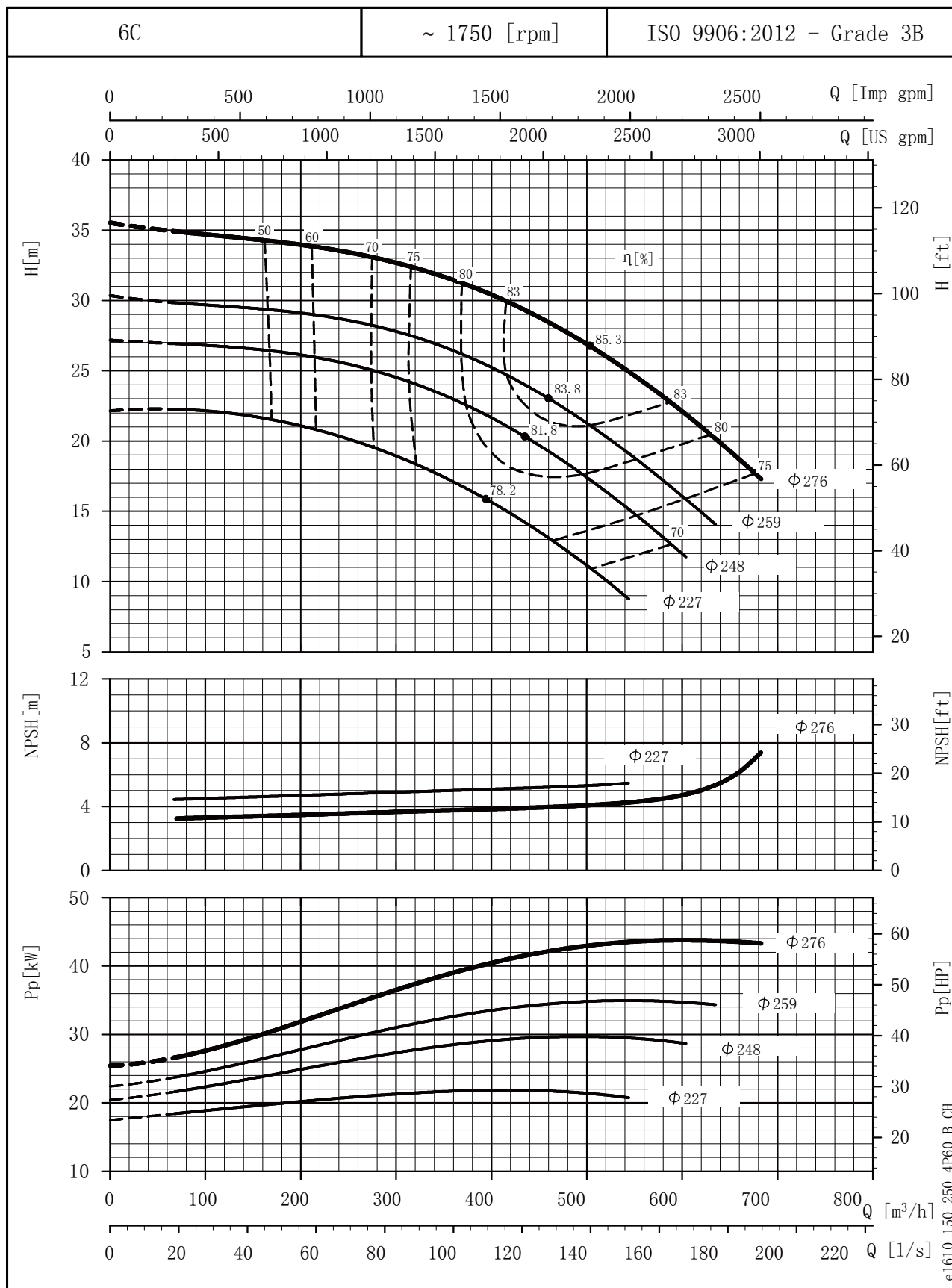
The NPSH values are laboratory values; for practical use we suggest increasing these values by 0,5 m.
 These performances are valid for liquids with density $\rho = 1,0 \text{ Kg/dm}^3$ and kinematic viscosity $\nu = 1 \text{ mm}^2/\text{sec}$.

e1610 Series Operating Characteristics At 60 Hz, 4 Poles



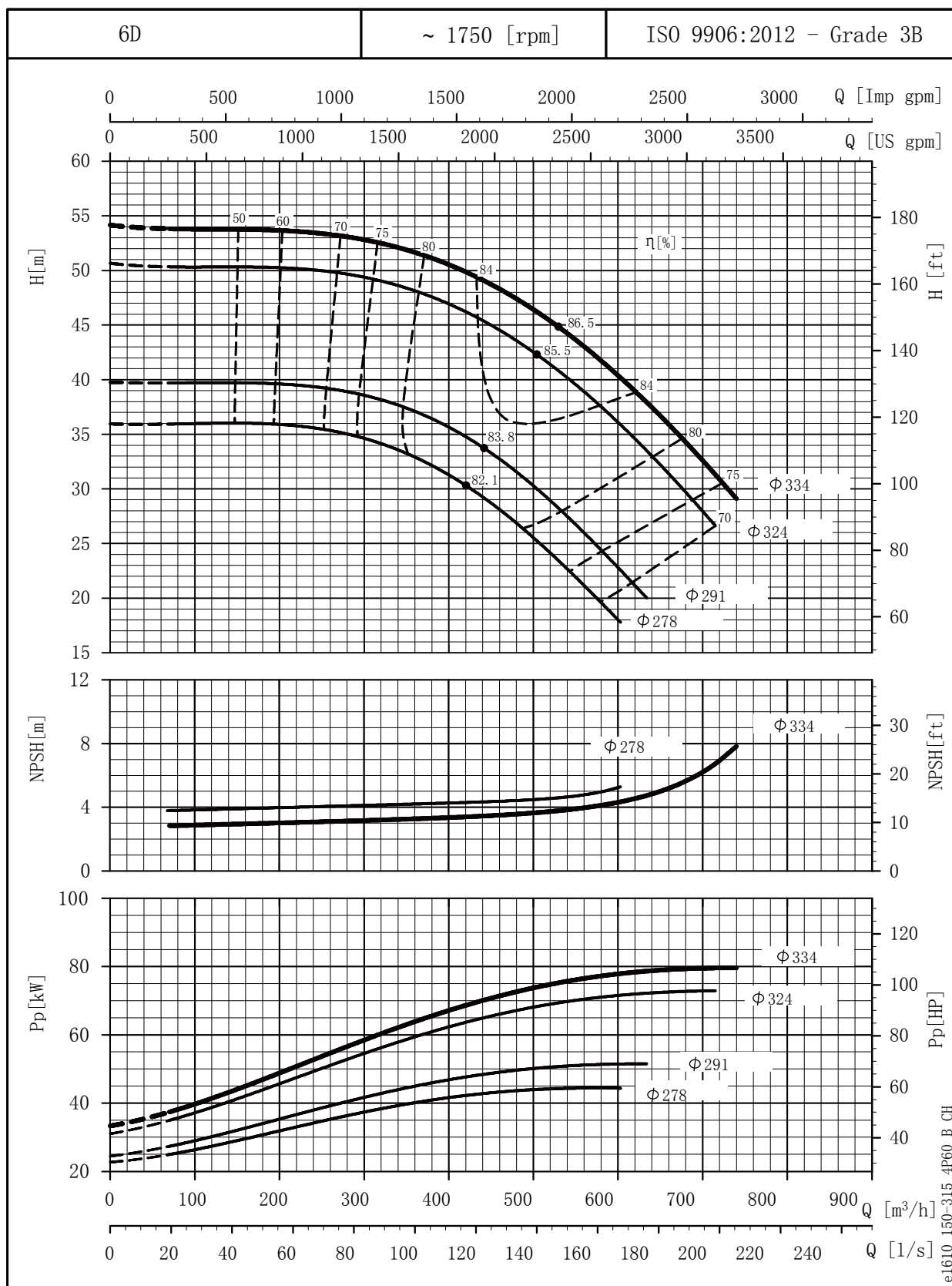
The NPSH values are laboratory values; for practical use we suggest increasing these values by 0,5 m.
 These performances are valid for liquids with density $\rho = 1,0 \text{ Kg/dm}^3$ and kinematic viscosity $\nu = 1 \text{ mm}^2/\text{sec}$.

e1610 Series Operating Characteristics At 60 Hz, 4 Poles



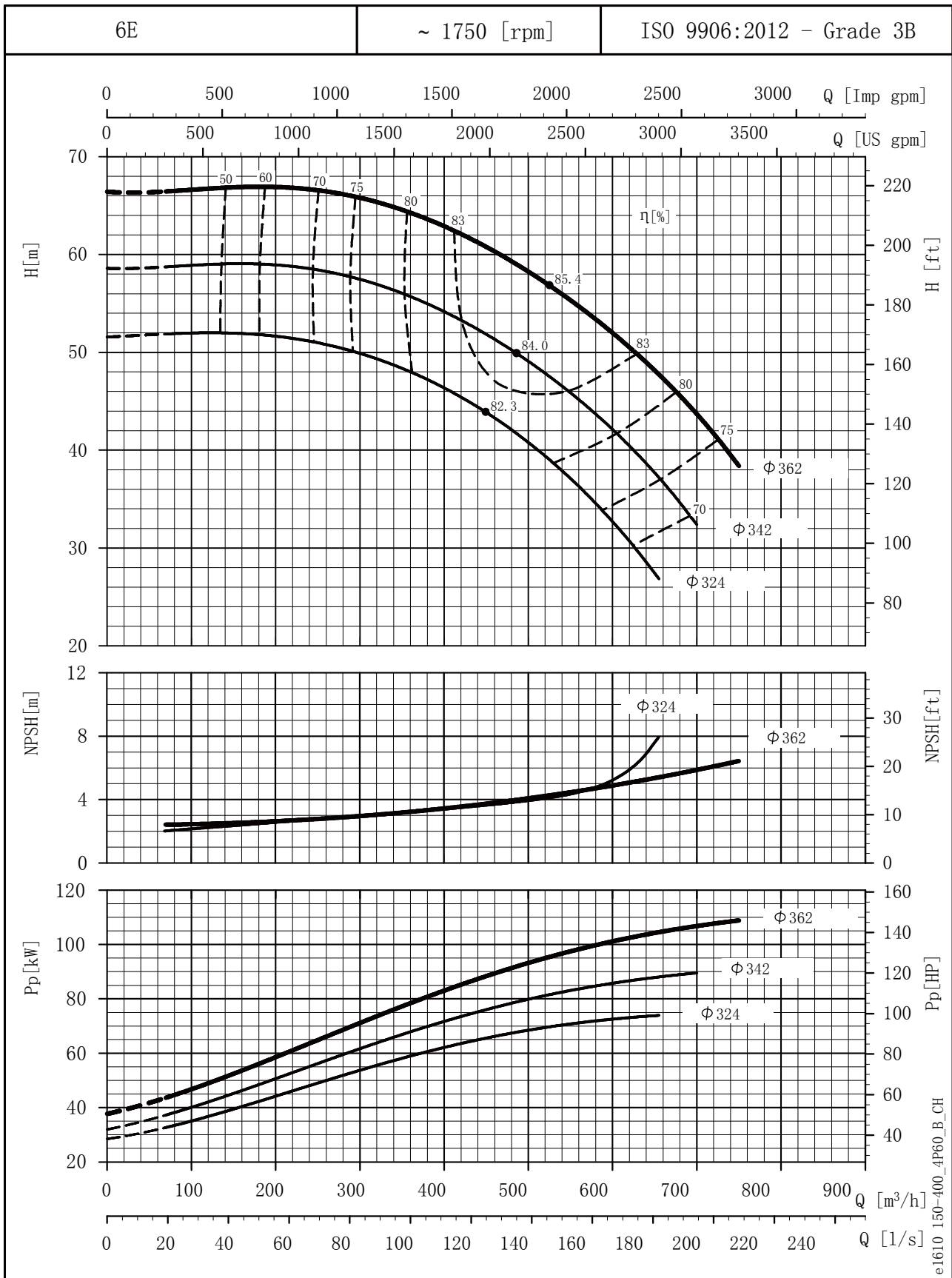
The NPSH values are laboratory values; for practical use we suggest increasing these values by 0,5 m.
 These performances are valid for liquids with density $\rho = 1,0 \text{ Kg/dm}^3$ and kinematic viscosity $\nu = 1 \text{ mm}^2/\text{sec}$.

e1610 Series Operating Characteristics At 60 Hz, 4 Poles



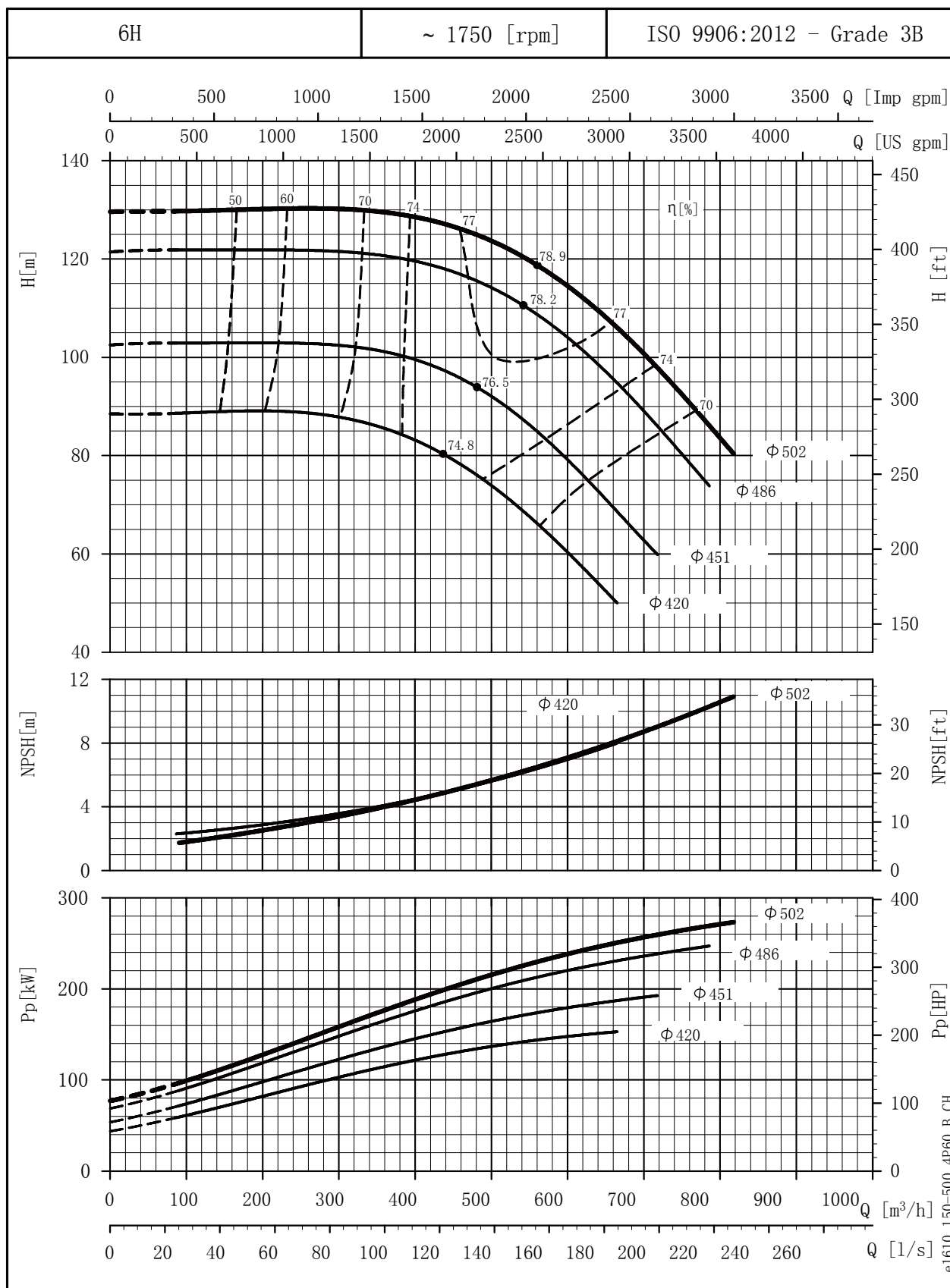
The NPSH values are laboratory values; for practical use we suggest increasing these values by 0,5 m.
 These performances are valid for liquids with density $\rho = 1,0 \text{ Kg/dm}^3$ and kinematic viscosity $\nu = 1 \text{ mm}^2/\text{sec}$.

e1610 Series Operating Characteristics At 60 Hz, 4 Poles



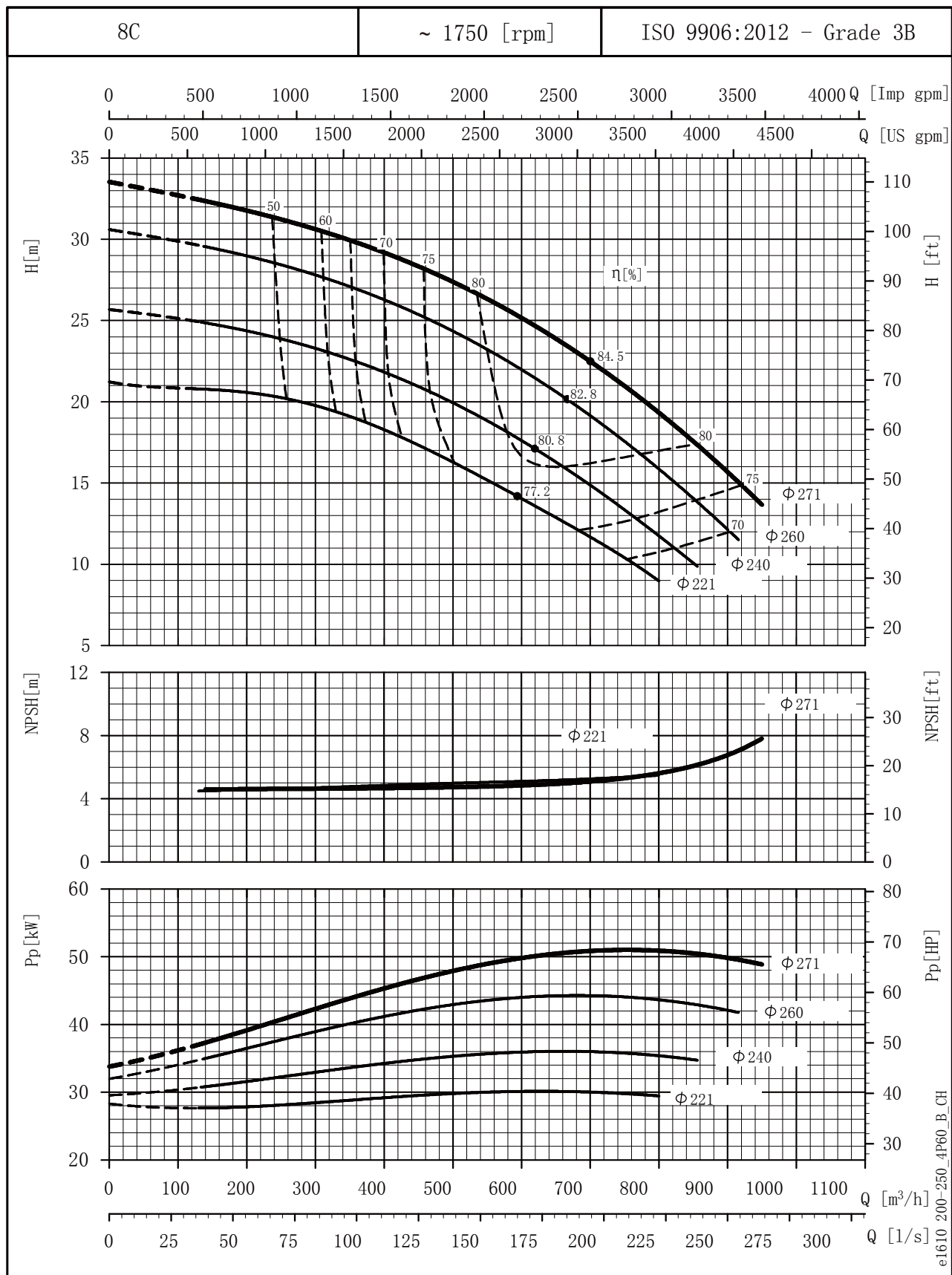
The NPSH values are laboratory values; for practical use we suggest increasing these values by 0,5 m.
 These performances are valid for liquids with density $\rho = 1,0 \text{ Kg/dm}^3$ and kinematic viscosity $\nu = 1 \text{ mm}^2/\text{sec}$.

e1610 Series Operating Characteristics At 60 Hz, 4 Poles



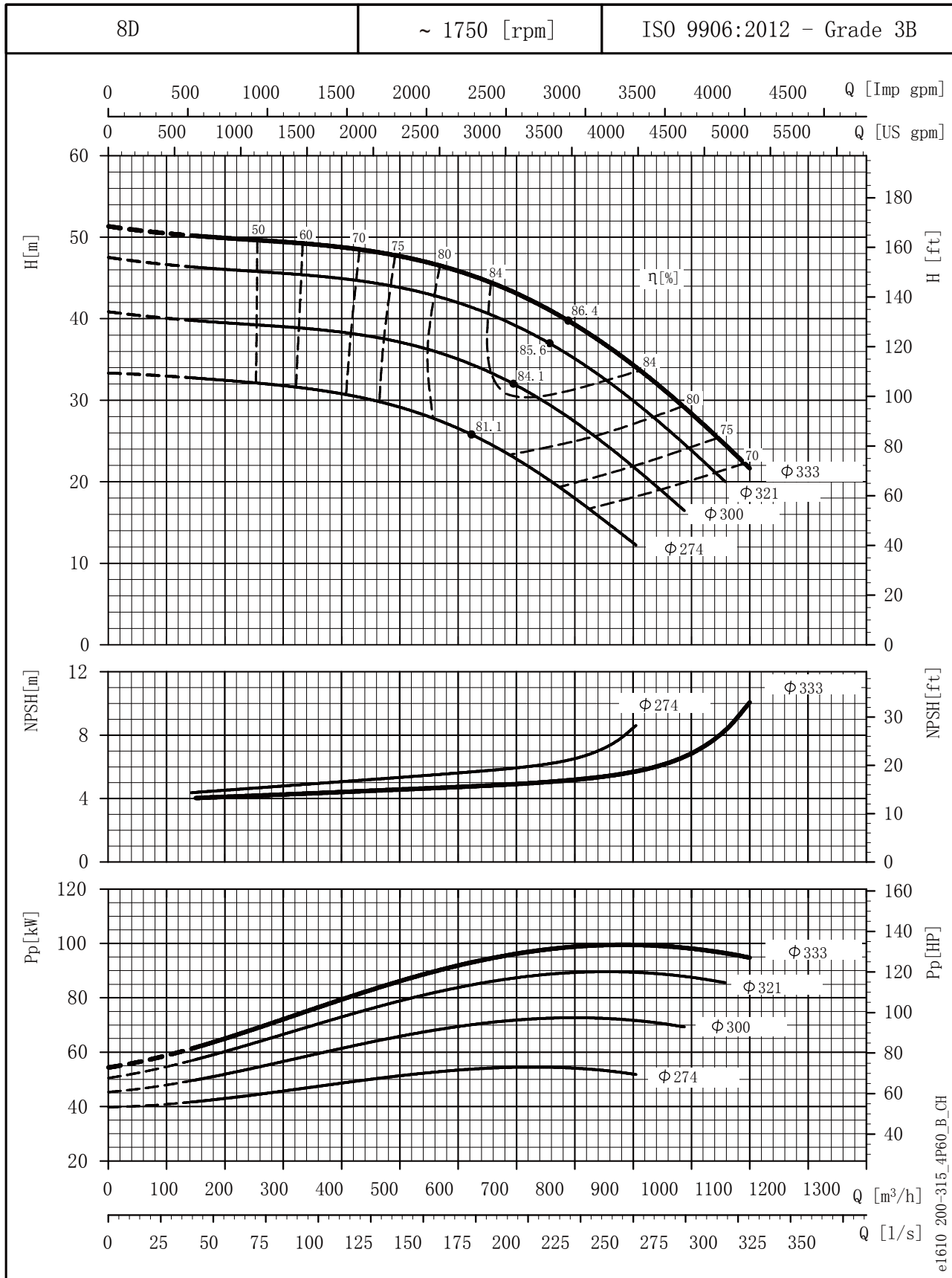
The NPSH values are laboratory values; for practical use we suggest increasing these values by 0,5 m.
 These performances are valid for liquids with density $\rho = 1,0 \text{ Kg/dm}^3$ and kinematic viscosity $\nu = 1 \text{ mm}^2/\text{sec}$.

e1610 Series Operating Characteristics At 60 Hz, 4 Poles



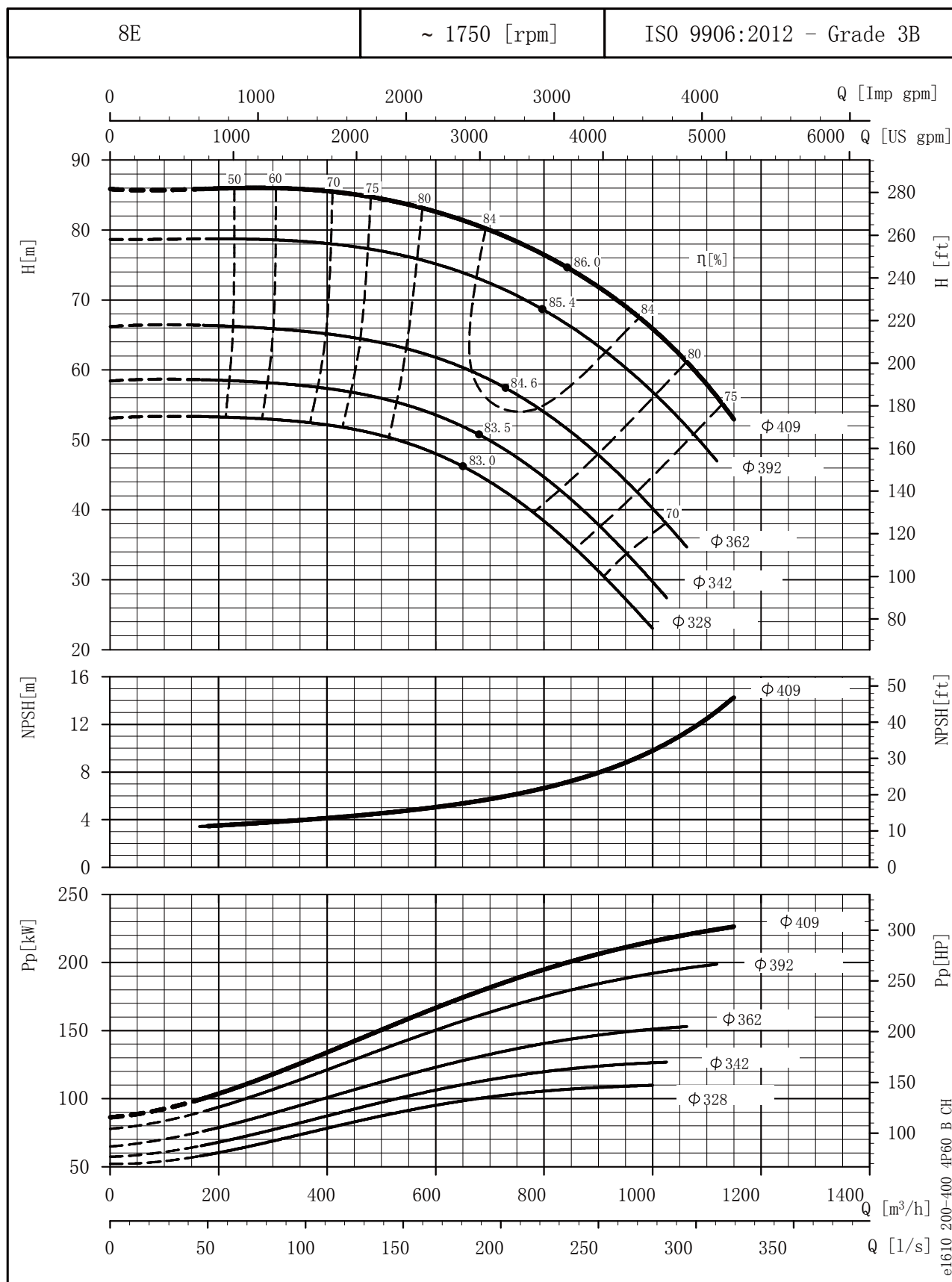
The NPSH values are laboratory values; for practical use we suggest increasing these values by 0,5 m.
 These performances are valid for liquids with density $\rho = 1,0 \text{ Kg/dm}^3$ and kinematic viscosity $\nu = 1 \text{ mm}^2/\text{sec}$.

e1610 Series Operating Characteristics At 60 Hz, 4 Poles



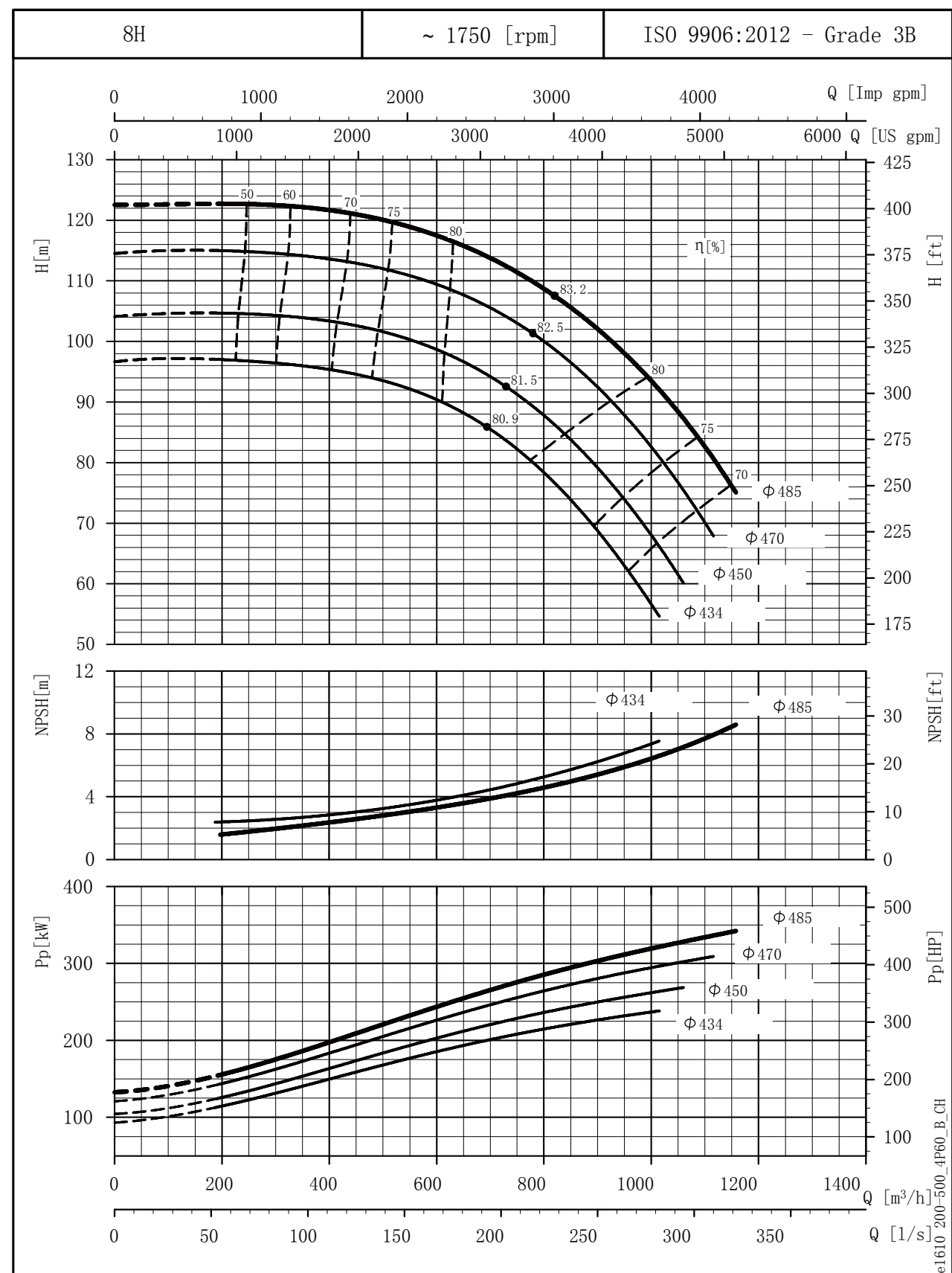
The NPSH values are laboratory values; for practical use we suggest increasing these values by 0,5 m.
 These performances are valid for liquids with density $\rho = 1,0 \text{ Kg/dm}^3$ and kinematic viscosity $\nu = 1 \text{ mm}^2/\text{sec}$.

e1610 Series Operating Characteristics At 60 Hz, 4 Poles



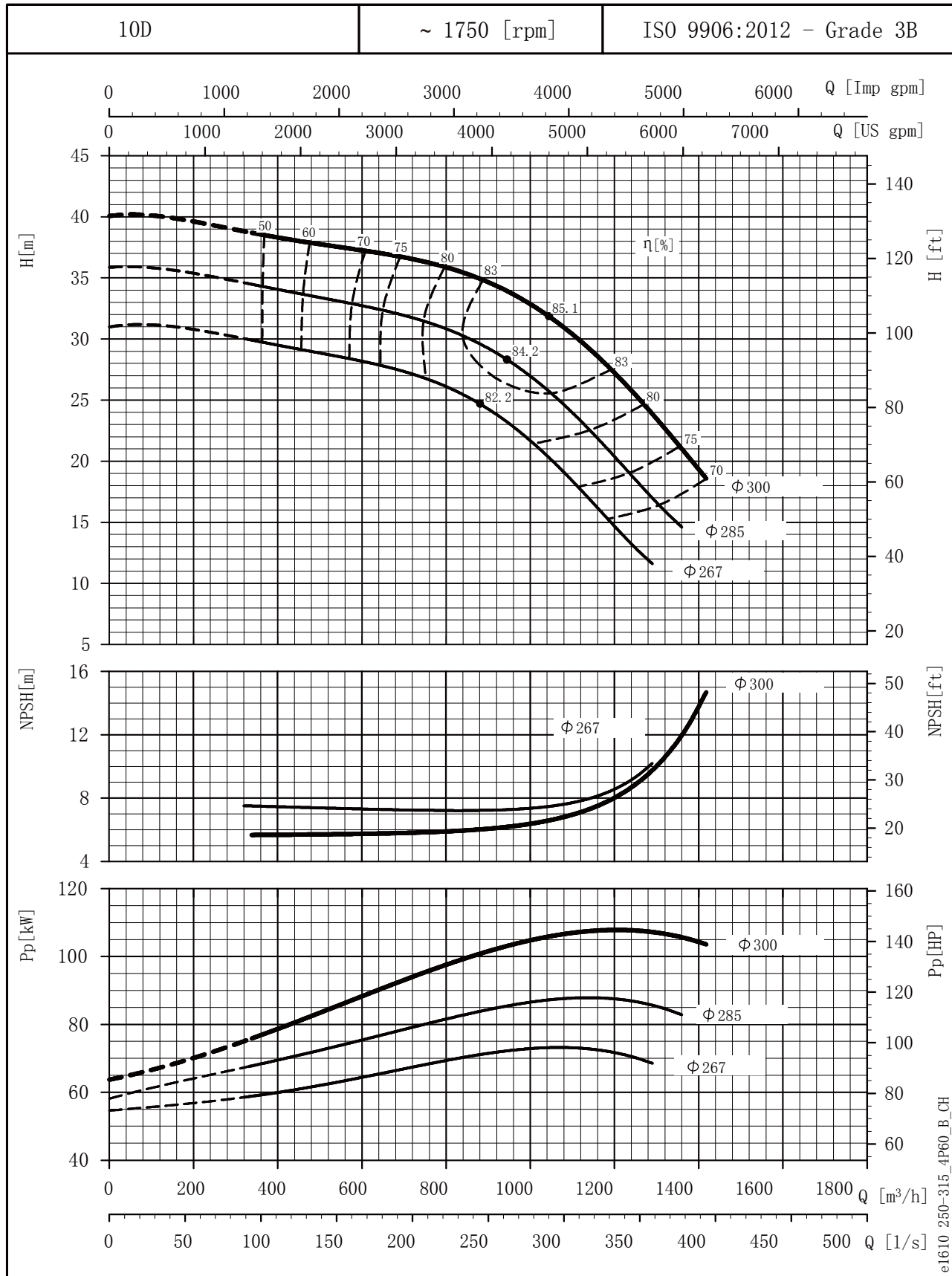
The NPSH values are laboratory values; for practical use we suggest increasing these values by 0,5 m.
 These performances are valid for liquids with density $\rho = 1,0 \text{ Kg/dm}^3$ and kinematic viscosity $\nu = 1 \text{ mm}^2/\text{sec}$.

e1610 Series Operating Characteristics At 60 Hz, 4 Poles



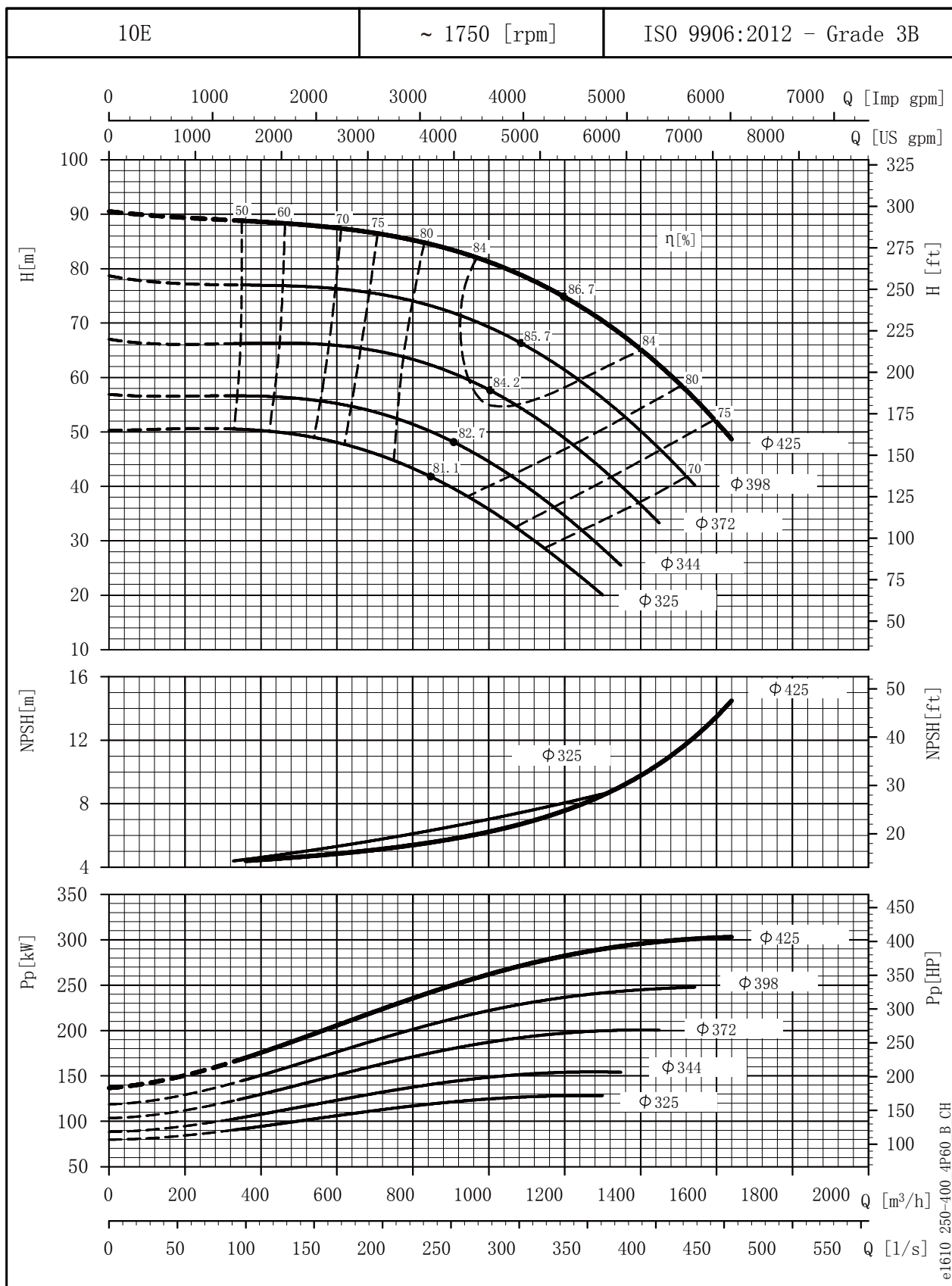
The NPSH values are laboratory values; for practical use we suggest increasing these values by 0,5 m.
These performances are valid for liquids with density $\rho = 1,0 \text{ Kg/dm}^3$ and kinematic viscosity $\nu = 1 \text{ mm}^2/\text{sec}$.

e1610 Series Operating Characteristics At 60 Hz, 4 Poles



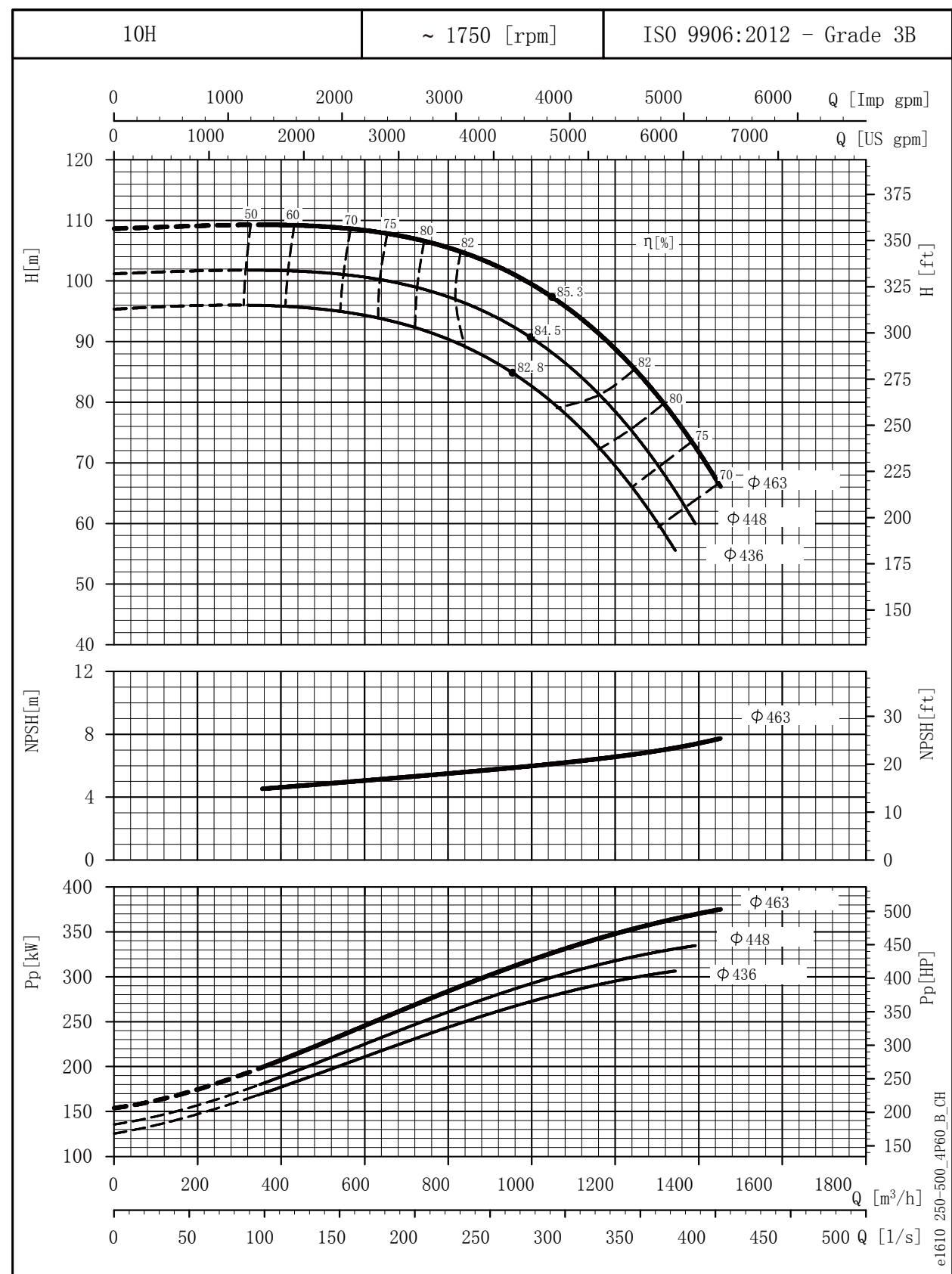
The NPSH values are laboratory values; for practical use we suggest increasing these values by 0,5 m.
 These performances are valid for liquids with density $\rho = 1,0 \text{ Kg/dm}^3$ and kinematic viscosity $\nu = 1 \text{ mm}^2/\text{sec}$.

e1610 Series Operating Characteristics At 60 Hz, 4 Poles



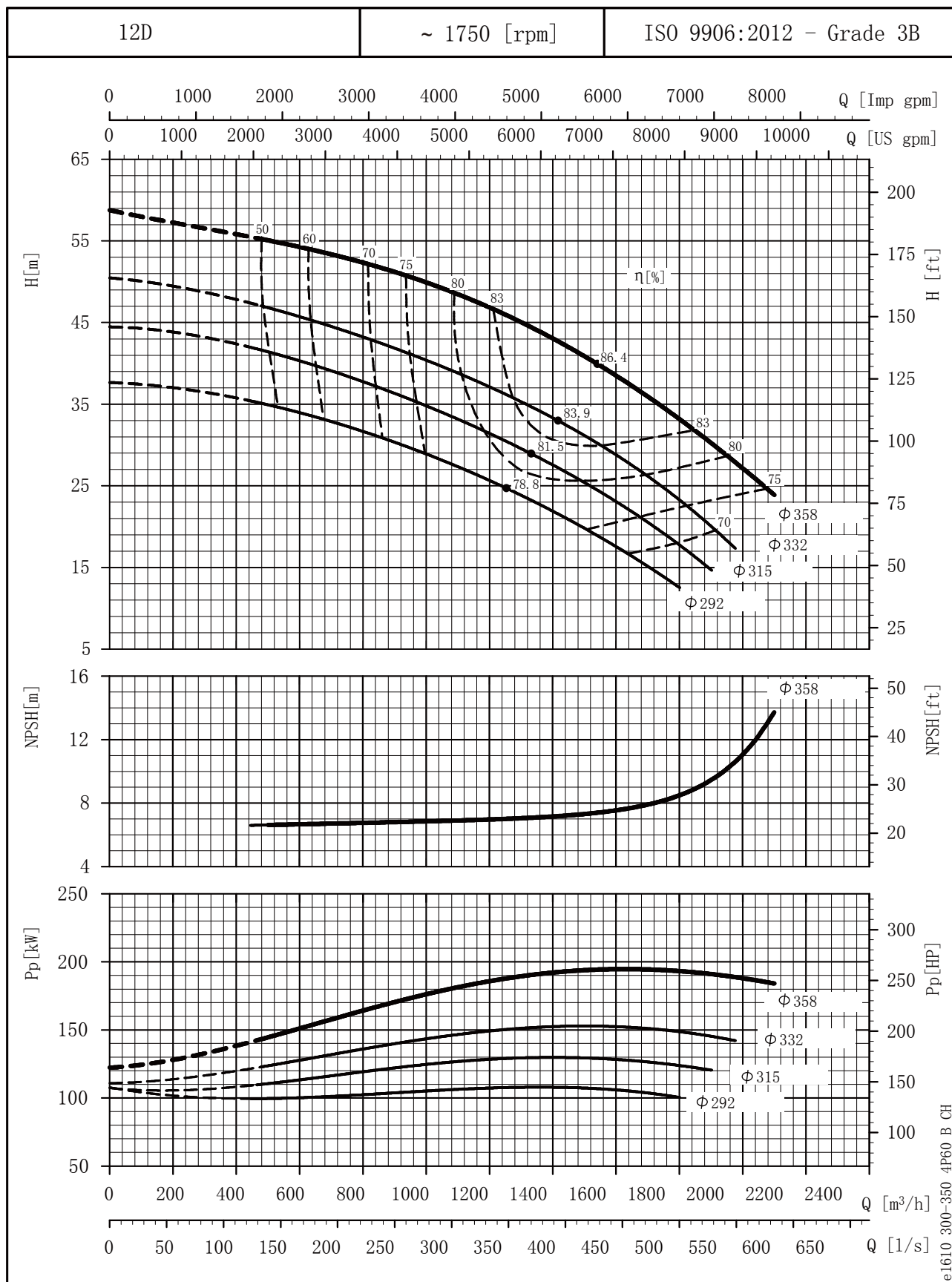
The NPSH values are laboratory values; for practical use we suggest increasing these values by 0,5 m.
 These performances are valid for liquids with density $\rho = 1,0 \text{ Kg/dm}^3$ and kinematic viscosity $\nu = 1 \text{ mm}^2/\text{sec}$.

e1610 Series Operating Characteristics At 60 Hz, 4 Poles



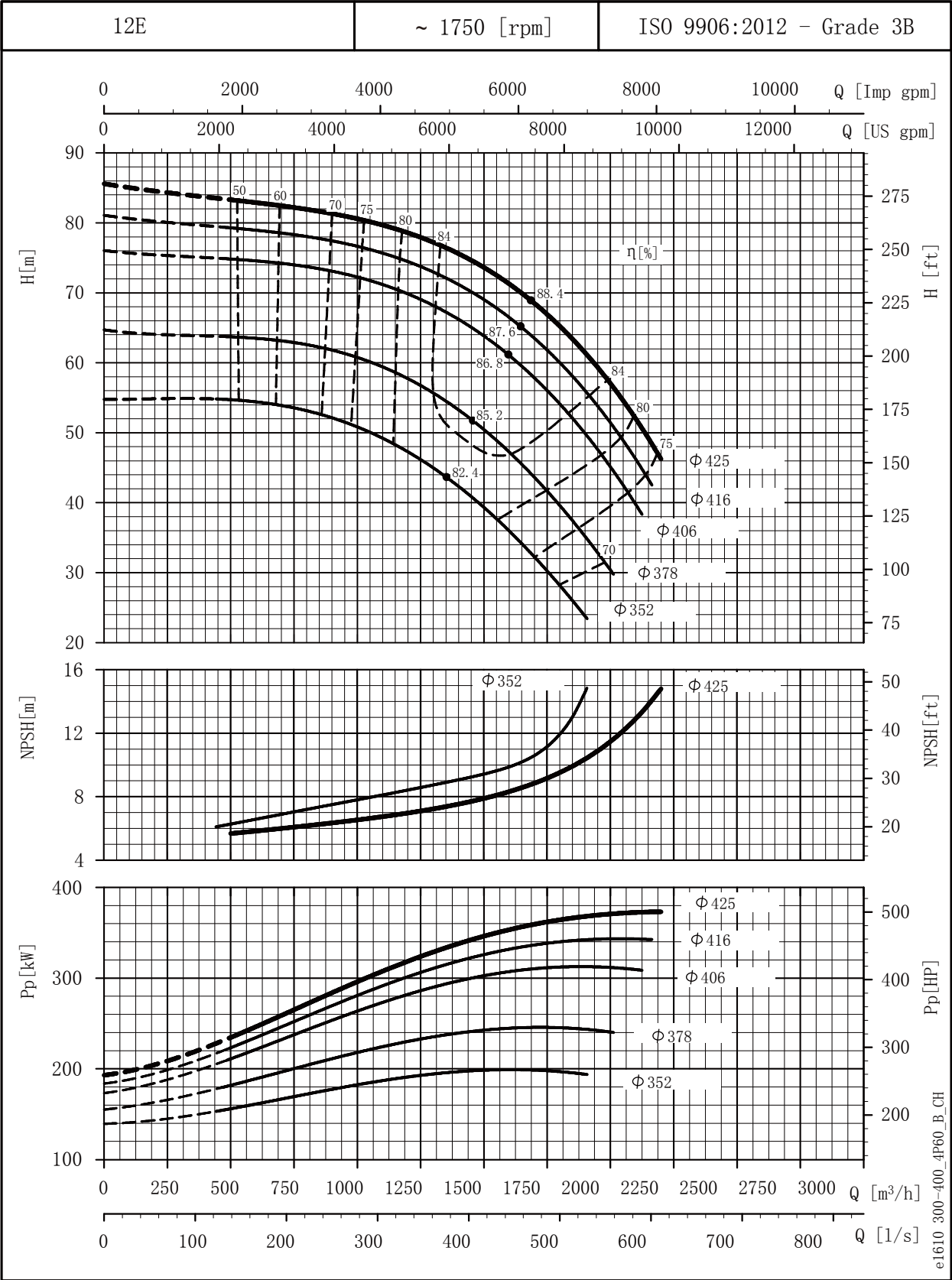
The NPSH values are laboratory values; for practical use we suggest increasing these values by 0,5 m.
These performances are valid for liquids with density $\rho = 1,0 \text{ Kg/dm}^3$ and kinematic viscosity $\nu = 1 \text{ mm}^2/\text{sec}$.

e1610 Series Operating Characteristics At 60 Hz, 4 Poles



The NPSH values are laboratory values; for practical use we suggest increasing these values by 0,5 m.
 These performances are valid for liquids with density $\rho = 1,0 \text{ Kg/dm}^3$ and kinematic viscosity $\nu = 1 \text{ mm}^2/\text{sec}$.

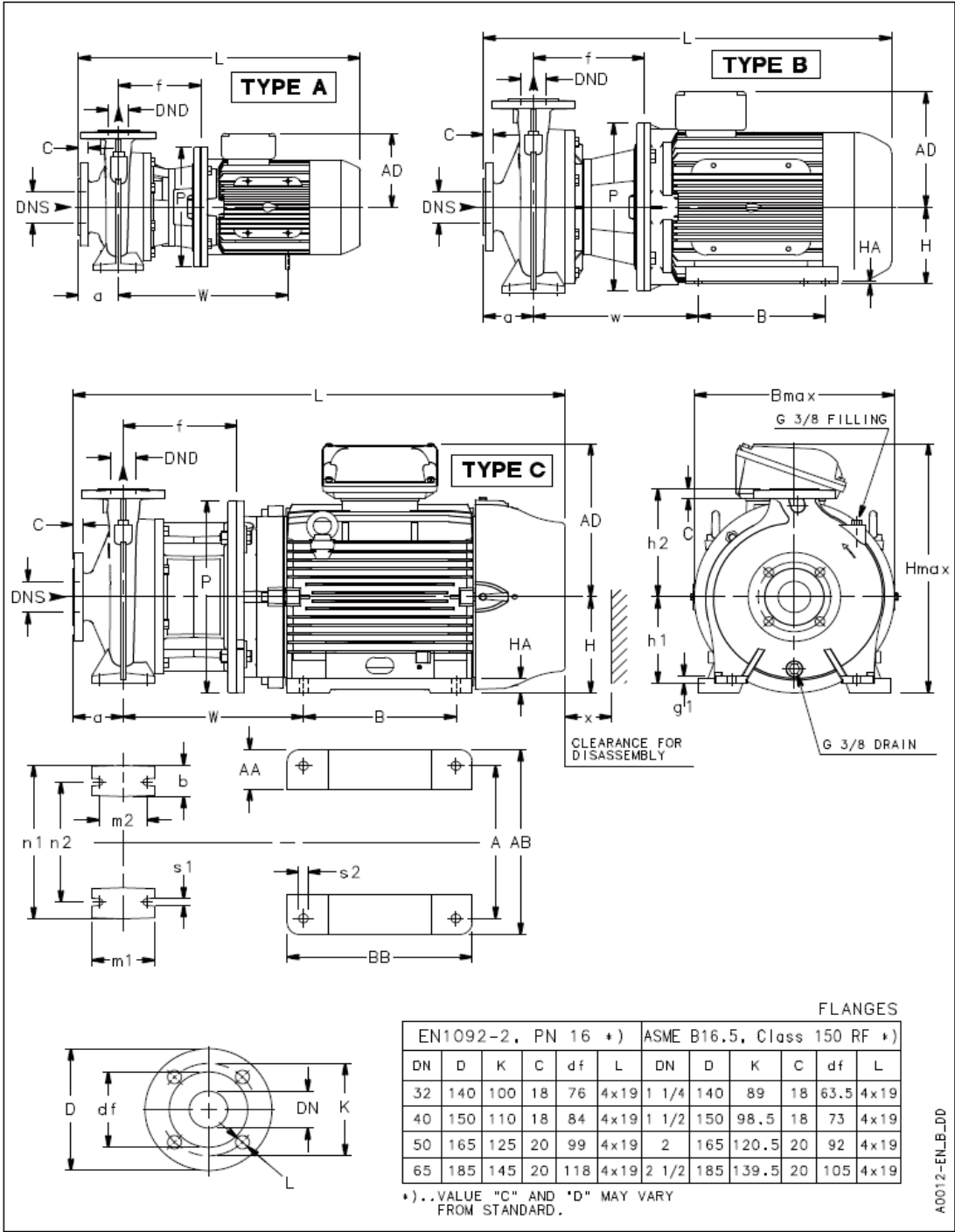
e1610 Series Operating Characteristics At 60 Hz, 4 Poles



The NPSH values are laboratory values; for practical use we suggest increasing these values by 0,5 m.
These performances are valid for liquids with density $\rho = 1,0 \text{ Kg/dm}^3$ and kinematic viscosity $\nu = 1 \text{ mm}^2/\text{sec}$.

e1631 1.25 ,1.5,2 Series

Demensions And Weights At 60hz,2 Poles



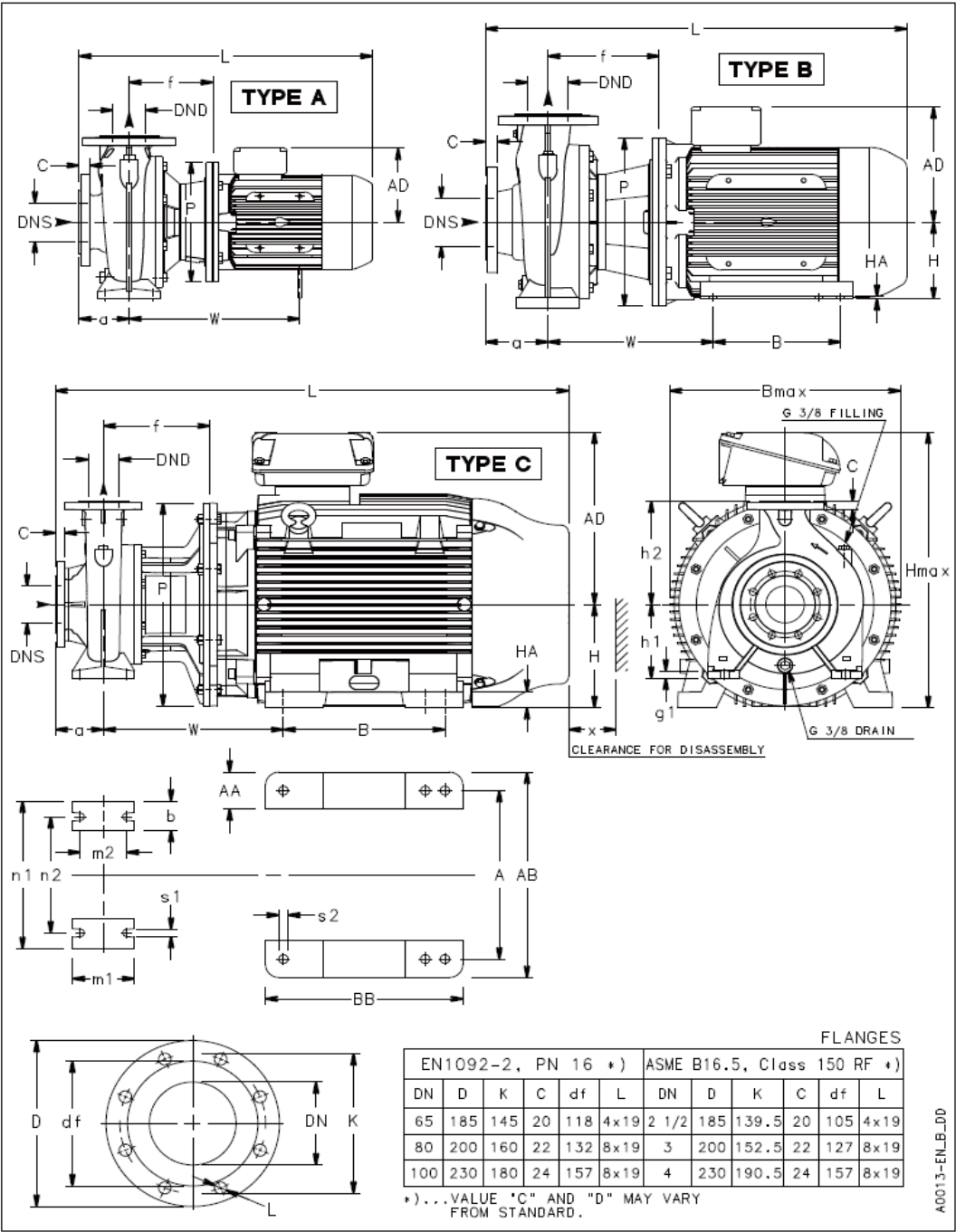
e1631 1.25 ,1.5,2 Series

Demensions And Weights At 60hz,2 Poles

PUMP TYPE	TYPE	Demensions (mm)																										B max	H max	L	x	WEIGHT kg
		PUMP															MOTOR															
		DNS	DND	a	b	f	g1	h1	h2	m1	m2	n1	n2	P	s1	W	A	AA	AB	AD	B	BB	H	HA	s2							
e1631 1.25AS 1.5KW 2P	A	50	32	80	50	155	14	112	140	100	70	190	140	200	14	290	-	-	-	129	-	-	-	-	-	242	252	498	86	36		
e1631 1.25AS 2.2KW 2P	A	50	32	80	50	155	14	112	140	100	70	190	140	200	14	300	-	-	-	134	-	-	-	-	-	242	252	533	86	43		
e1631 1.25AS 3KW 2P	A	50	32	80	50	165	14	112	140	100	70	190	140	250	14	310	-	-	-	134	-	-	-	-	-	250	259	543	86	48		
e1631 1.25AS	A	50	32	80	50	165	14	112	140	100	70	190	140	250	14	338	-	-	-	154	-	-	-	-	-	250	279	564	86	51		
e1631 1.25AS 5.5KW 2P	A	50	32	80	50	192	14	112	140	100	70	190	140	300	14	399	-	-	-	168	-	-	-	-	-	300	318	647	86	64		
e1631 1.25A 4KW 2P	A	50	32	80	50	165	14	132	160	100	70	240	190	250	14	338	-	-	-	154	-	-	-	-	-	250	286	564	86	52		
e1631 1.25A 5.5KW 2P	A	50	32	80	50	192	14	132	160	100	70	240	190	300	14	399	-	-	-	168	-	-	-	-	-	300	318	647	86	70		
e1631 1.25A	A	50	32	80	50	192	14	132	160	100	70	240	190	300	14	397	-	-	-	191	-	-	-	-	-	300	341	639	86	91		
e1631 1.25A 11KWA 2P	C	50	32	80	50	222	14	132	160	100	70	240	190	350	14	330	254	49	304	240	210	304	160	5	15	350	415	796	86	108		
e1631 1.25B 7.5KW 2P	A	50	32	80	50	192	14	160	180	100	70	240	190	300	14	397	-	-	-	191	-	-	-	-	-	300	351	639	86	92		
e1631 1.25B 11KWA 2P	B	50	32	80	50	222	14	160	180	100	70	240	190	350	14	330	254	49	304	240	210	304	160	5	15	350	415	796	86	111		
e1631 1.25B 11KW 2P	B	50	32	80	50	222	14	160	180	100	70	240	190	350	14	330	254	49	304	240	210	304	160	5	15	350	415	796	86	111		
e1631 1.25C 11KW 2P	B	50	32	100	65	222	21	180	225	125	95	320	250	350	14	330	254	49	304	240	210	304	160	5	15	350	420	816	95	122		
e1631 1.25C 15KW 2P	B	50	32	100	65	222	21	180	225	125	95	320	250	350	14	330	254	49	304	240	210	304	160	5	15	350	420	1052	95	155		
e1631 1.25C 18.5KW 2P	B	50	32	100	65	222	21	180	225	125	95	320	250	350	14	330	254	49	304	240	210	304	160	5	15	350	420	1052	95	164		
e1631 1.25C 22KW 2P	B	50	32	100	65	222	21	180	225	125	95	320	250	350	14	330	254	49	304	240	210	304	160	5	15	350	420	1052	95	175		
e1631 1.5AS 3KW 2P	A	65	40	80	50	165	14	112	140	100	70	210	160	250	14	310	-	-	-	134	-	-	-	-	-	250	259	543	96	49		
e1631 1.5AS 4KW 2P	A	65	40	80	50	165	14	112	140	100	70	210	160	250	14	338	-	-	-	154	-	-	-	-	-	250	279	564	96	52		
e1631 1.5AS 5.5KW 2P	A	65	40	80	50	192	14	112	140	100	70	210	160	300	14	399	-	-	-	168	-	-	-	-	-	300	318	647	96	70		
e1631 1.5AS 7.5KW 2P	A	65	40	80	50	192	14	112	140	100	70	210	160	300	14	397	-	-	-	191	-	-	-	-	-	300	341	639	96	91		
e1631 1.5A 5.5KW 2P	A	65	40	80	50	192	14	132	160	100	70	240	190	300	14	399	-	-	-	168	-	-	-	-	-	300	318	647	92	71		
e1631 1.5A 7.5KW 2P	A	65	40	80	50	192	14	132	160	100	70	240	190	300	14	397	-	-	-	191	-	-	-	-	-	300	341	639	92	92		
e1631 1.5A 11KWA 2P	C	65	40	80	50	222	14	132	160	100	70	240	190	350	14	330	254	49	304	240	210	304	160	5	15	350	415	796	92	109		
e1631 1.5A 11KW 2P	C	65	40	80	50	222	14	132	160	100	70	240	190	350	14	330	254	49	304	240	210	304	160	5	15	350	415	796	92	109		
e1631 1.5B 11KWA 2P	B	65	40	100	50	222	14	160	180	100	70	265	212	350	14	330	254	49	304	240	210	304	160	5	15	350	415	816	90	111		
e1631 1.5B 11KW 2P	B	65	40	100	50	222	14	160	180	100	70	265	212	350	14	330	254	49	304	240	210	304	160	5	15	350	415	816	90	111		
e1631 1.5B 15KW 2P	B	65	40	100	50	222	14	160	180	100	70	265	212	350	14	330	254	49	304	240	210	304	160	5	15	350	415	816	90	144		
e1631 1.5B 18.5KW 2P	B	65	40	100	50	222	14	160	180	100	70	265	212	350	14	330	254	49	304	240	210	304	160	5	15	350	415	816	90	153		
e1631 1.5C 18.5KW 2P	B	65	40	100	65	222	16	180	225	125	95	320	250	350	14	330	254	49	304	240	210	304	160	5	15	350	420	816	104	165		
e1631 1.5C 22KW 2P	B	65	40	100	65	222	16	180	225	125	95	320	250	350	14	330	254	49	304	240	210	304	160	5	15	350	420	816	104	176		
e1631 1.5C 30KW 2P	c	65	40	100	65	228	16	180	225	125	95	320	250	400	14	361	318	82	385	317	305	370	200	30	18	402	517	985	104	285		
e1631 1.5C 37KW 2P	c	65	40	100	65	228	16	180	225	125	95	320	250	400	14	361	318	82	385	317	305	370	200	30	18	402	517	985	104	300		
e1631 2AS 5.5KW 2P	A	65	50	100	50	194	14	132	160	100	70	240	190	300	14	401	-	-	-	168	-	-	-	-	-	300	318	669	107	73		
e1631 2AS 7.5KW 2P	A	65	50	100	50	194	14	132	160	100	70	240	190	300	14	399	-	-	-	191	-	-	-	-	-	300	341	661	107	92		
e1631 2AS 11KWA 2P	C	65	50	100	50	224	14	132	160	100	70	240	190	350	14	332	254	49	304	240	210	304	160	5	15	350	415	818	107	111		
e1631 2AS 11KW 2P	C	65	50	100	50	224	14	132	160	100	70	240	190	350	14	332	254	49	304	240	210	304	160	5	15	350	415	818	107	111		
e1631 2A 11KWA 2P	A	65	50	100	50	222	14	160	180	100	70	265	212	350	14	330	254	49	304	240	210	304	160	5	15	350	415	816	103	114		
e1631 2A 11KW 2P	A	65	50	100	50	222	14	160	180	100	70	265	212	350	14	330	254	49	304	240	210	304	160	5	15	350	415	816	103	114		
e1631 2A 15KW 2P	B	65	50	100	50	222	14	160	180	100	70	265	212	350	14	330	254	49	304	240	210	304	160	5	15	350	415	816	103	147		
e1631 2A 18.5KW 2P	B	65	50	100	50	222	14	160	180	100	70	265	212	350	14	330	254	49	304	240	210	304	160	5	15	350	415	816	103	156		
e1631 2B 18.5KW 2P	B	65	50	100	50	222	14	160	200	100	70	265	212	350	14	330	254	49	304	240	210	304	160	5	15	350	415	816	98	155		
e1631 2B 22KW 2P	B	65	50	100	50	222	14	160	200	100	70	265	212	350	14	330	254	49	304	240	210	304	160	5	15	350	415	816	98	166		
e1631 2B 30KW 2P	C	65	50	100	50	222	14	160	200	100	70	265	212	400	14	361	318	82	385	317	305	370	200	30	18	402	517	985	98	276		
e1631 2C 22KW																																

e1631 2.5 ,3.25 Series

Demensions And Weights At 60hz,2 Poles



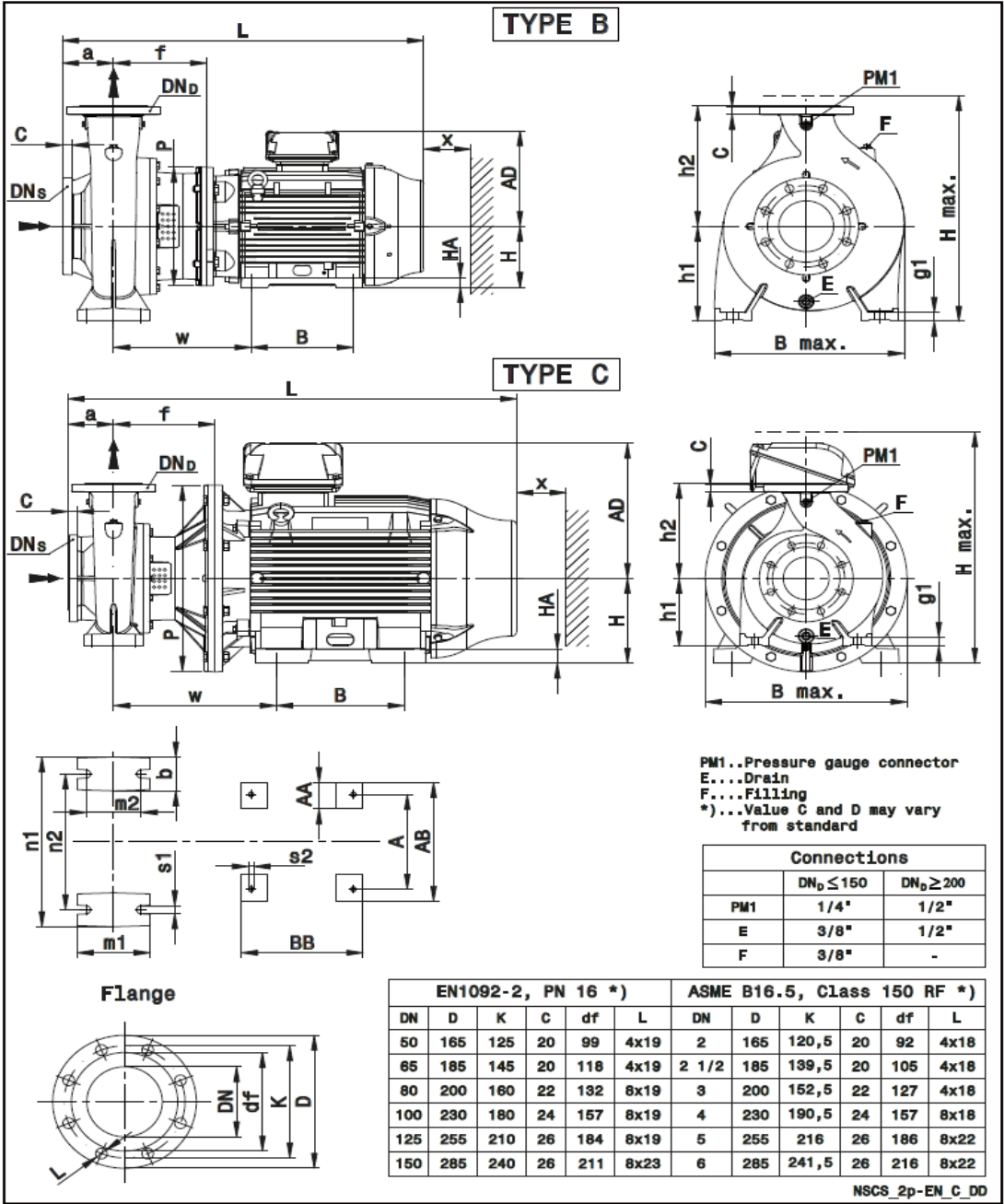
e1631 2.5 ,3.25 Series

Demensions And Weights At 60hz,2 Poles

PUMP TYPE	TYPE	Demensions (mm)																						B max	H max	L	x	WEIGHT kg		
		PUMP															MOTOR													
		DNS	DND	a	b	f	g1	h1	h2	m1	m2	n1	n2	P	s1	W	A	AA	AB	AD	B	BB	H						HA	s2
e1631 2.5AS 7.5KW 2P	A	80	65	100	65	194	16	160	180	125	95	280	212	300	14	401	-	-	-	191	-	-	-	-	300	351	661	100	99	
e1631 2.5AS 11KWA 2P	B	80	65	100	65	224	16	160	180	125	95	280	212	350	14	332	254	49	304	240	210	304	160	5	15	350	415	818	100	116
e1631 2.5AS 11KW 2P	B	80	65	100	65	224	16	160	180	125	95	280	212	350	14	332	254	49	304	240	210	304	160	5	15	350	415	818	100	116
e1631 2.5A 15KW 2P	B	80	65	100	65	222	16	160	200	125	95	280	212	350	14	330	254	49	304	240	210	304	160	5	15	350	415	816	108	156
e1631 2.5A 18.5KW 2P	B	80	65	100	65	222	16	160	200	125	95	280	212	350	14	330	254	49	304	240	254	304	160	5	15	350	415	816	108	165
e1631 2.5A 22KW 2P	B	80	65	100	65	222	16	160	200	125	95	280	212	350	14	330	254	49	304	240	210	304	160	5	15	350	415	816	108	176
e1631 2.5A 30KW 2P	C	80	65	100	65	228	16	160	200	125	95	280	212	400	14	361	318	82	385	317	305	370	200	30	18	402	517	985	108	285
e1631 2.5B 22KW 2P	B	80	65	100	65	222	16	180	225	125	95	320	250	350	14	330	254	49	304	240	254	304	160	5	15	350	420	816	118	179
e1631 2.5B 30KW 2P	C	80	65	100	65	228	16	180	225	125	95	320	250	400	14	361	318	82	385	317	305	370	200	30	18	402	517	985	118	288
e1631 2.5B 37KW 2P	C	80	65	100	65	228	16	180	225	125	95	320	250	400	14	361	318	82	385	317	305	370	200	30	15	402	517	985	118	303
e1631 2.5C 45KW 2P	C	80	65	100	80	246	21	200	250	160	120	360	280	450	20	395	356	80	436	384	311	412	225	34	18	455	609	1086	130	481
e1631 2.5C 55KW 2P	C	80	65	100	80	276	21	200	250	160	120	360	280	550	20	444	406	100	506	402	349	467	250	43	24	550	677	1201	130	581
e1631 2.5C 75KW 2P	C	80	65	100	80	276	21	200	250	160	120	360	280	550	20	466	457	100	557	472	368	517	280	42	24	599	752	1307	130	844
e1631 2.5D 75KW 2P	C	80	65	125	80	276	20	225	280	160	120	400	315	550	19	466	457	100	557	472	368	517	280	42	24	550	752	1332	140	745
e1631 2.5D 90KW 2P	C	80	65	125	80	276	20	225	280	160	120	400	315	550	19	466	457	100	557	472	419	517	280	42	24	550	752	1332	140	825
e1631 3.25A 18.5KW 2P	B	100	80	125	65	222	16	180	225	125	95	320	250	350	14	330	254	49	304	240	254	304	160	5	15	350	420	841	122	171
e1631 3.25A 22KW 2P	B	100	80	125	65	222	16	180	225	125	95	320	250	350	14	330	254	49	304	240	254	304	160	5	15	350	420	841	122	182
e1631 3.25A 30KW 2P	C	100	80	125	65	228	16	180	225	125	95	320	250	400	14	361	318	82	385	317	305	370	200	30	18	402	517	1010	122	291
e1631 3.25A 37KW 2P	C	100	80	125	65	228	16	180	225	125	95	320	250	400	14	361	318	82	385	317	305	370	200	30	18	402	517	1010	122	306
e1631 3.25B 45KW 2P	C	100	80	125	65	246	16	180	250	125	95	345	280	450	14	395	356	80	436	384	311	412	225	34	18	455	609	1117	151	483
e1631 3.25B 55KW 2P	C	100	80	125	65	276	16	180	250	125	95	345	280	550	14	444	406	100	506	402	349	467	250	43	24	550	677	1226	151	583
e1631 3.25B 75KW 2P	C	100	80	125	65	276	16	180	250	125	95	345	280	550	14	466	457	100	557	472	368	517	280	42	24	599	752	1332	151	846
e1631 3.25C 55KW 2P	C	100	80	125	80	276	21	200	280	160	120	400	315	550	20	444	406	100	506	402	349	467	250	43	24	550	682	1226	152	586
e1631 3.25C 75KW 2P	C	100	80	125	80	276	21	200	280	160	120	400	315	550	20	466	457	100	557	472	419	517	280	42	24	550	752	1332	152	849

For shims and supports see accessories section.
NOTE: Pumps with flanges according to EN 1092-2 as standard;avaible ASME B16.5 version on request

e1631 4 ,5 Series Demensions And Weights At 60hz,2poles



e1631 4 ,5 Series

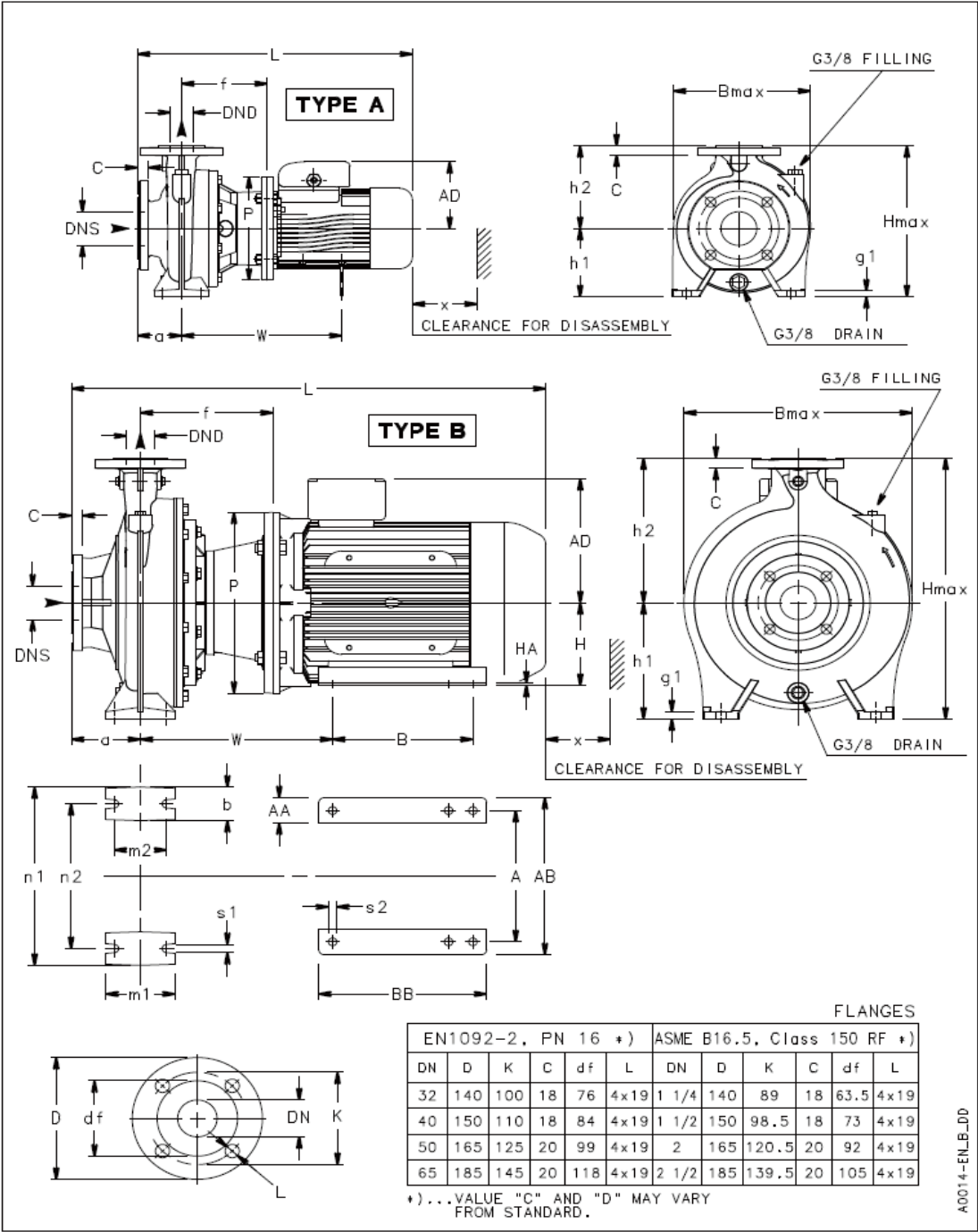
Demensions And Weights At 60hz,2poles

PUMP TYPE	TYPE	Demensions (mm)																								B max	H max	L	x	WEIGH T kg
		PUMP																MOTOR												
		DNS	DND	a	b	f	g1	h1	h2	m1	m2	n1	n2	P	s1	W	A	AA	AB	AD	B	BB	H	HA	s2					
e1631 4A 30KW 2P	B	125	100	125	80	246	26	200	280	160	120	360	280	400	19	379	318	82	385	317	305	370	200	30	19	400	517	1028	140	310
e1631 4A 37KW 2P	B	125	100	125	80	246	26	200	280	160	120	360	280	400	19	379	318	82	385	317	305	370	200	30	19	400	517	1028	140	335
e1631 4A 45KW 2P	C	125	100	125	80	246	26	200	280	160	120	360	280	450	19	395	356	80	436	384	311	412	225	34	19	450	609	1117	140	470
e1631 4A 55KW 2P	C	125	100	125	80	276	26	200	280	160	120	360	280	550	19	444	406	100	506	402	349	467	250	43	24	550	682	1226	140	532
e1631 4B 55KW 2P	C	125	100	125	80	276	26	200	280	160	120	360	280	550	19	444	406	100	506	402	349	467	250	43	24	550	682	1226	140	531
e1631 4B 75KW 2P	C	125	100	125	80	276	26	200	280	160	120	360	280	550	19	466	457	100	557	472	368	517	280	42	24	550	752	1332	140	731
e1631 4B 90KW 2P	C	125	100	125	80	276	26	200	280	160	120	360	280	550	19	466	457	100	557	472	419	517	280	42	24	550	752	1332	140	811
e1631 4C 90KW 2P	C	125	100	140	80	276	26	225	280	160	120	400	315	550	19	466	457	100	557	472	419	517	280	42	24	550	752	1347	140	822
e1631 5B 75KW 2P	C	150	125	140	80	276	26	250	315	160	120	400	315	550	19	466	457	100	557	472	368	517	280	42	24	550	752	1347	140	758
e1631 5B 90KW 2P	C	150	125	140	80	276	26	250	315	160	120	400	315	550	19	466	457	100	557	472	419	517	280	42	24	550	752	1347	140	838

For shims and supports see accessories section.

NOTE: Pumps with flanges according to EN 1092-2 as standard;available ASME B16.5 version on request

e1631 1.25 ,1.5,2 Series
Demensions And Weights At 60hz,4poles



A0014-ENL_B_DD

e1631 1.25 ,1.5,2 Series

Dimensions And Weights At 60hz,4poles

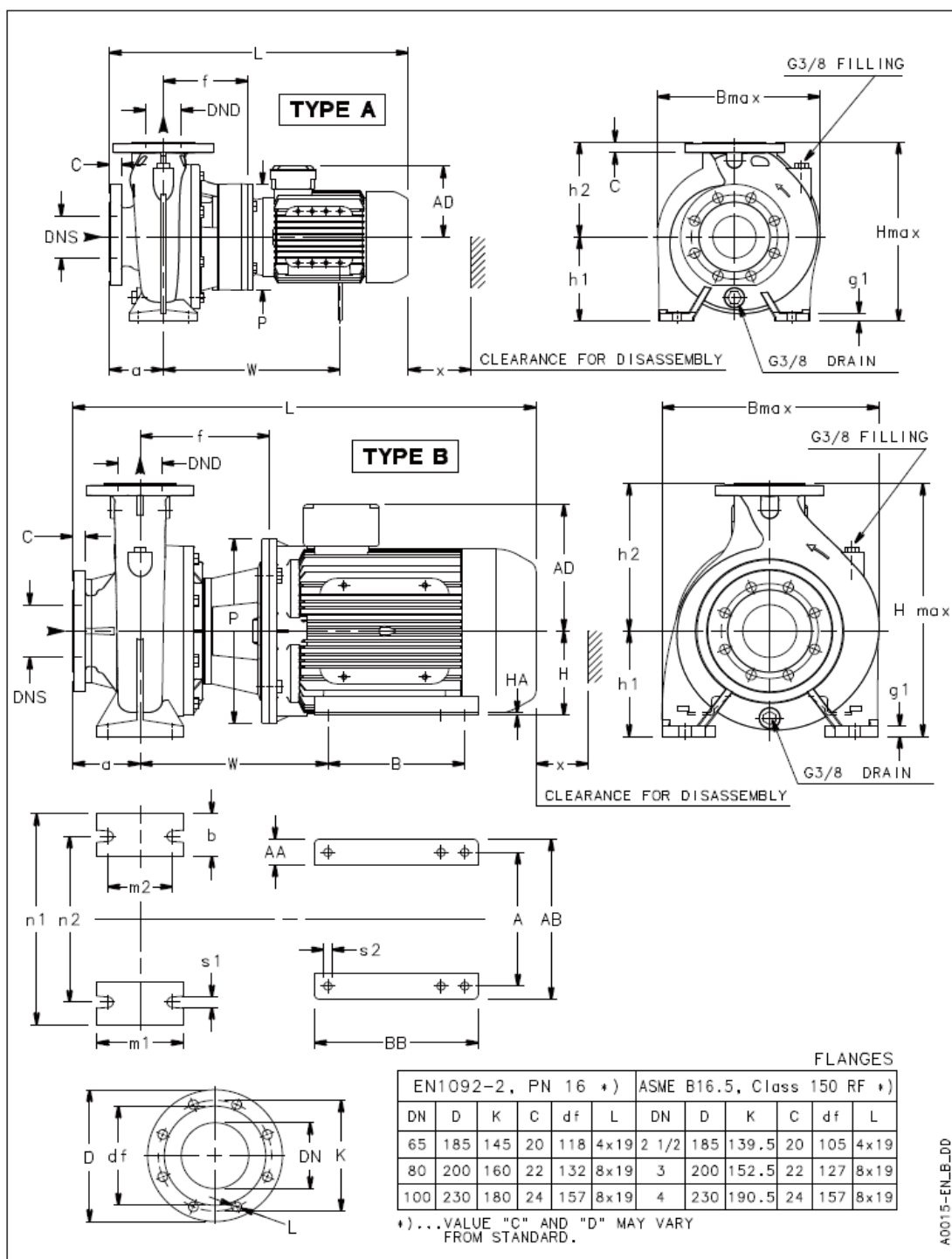
PUMP TYPE	TYPE	Dimensions (mm)																								B max	H max	L	x	WEIGHT kg
		PUMP																MOTOR												
		DNS	DND	a	b	f	g1	h1	h2	m1	m2	n1	n2	P	s1	W	A	AA	AB	AD	B	BB	H	HA	s2					
e1631 1.25AS 0.55KW 4P	A	50	32	80	50	155	14	112	140	100	70	240	190	200	14	290	-	-	-	129	-	-	-	-	-	242	252	498	86	32
e1631 1.25AS 0.75KW 4P	A	50	32	80	50	155	14	112	140	100	70	240	190	200	14		-	-	-	128	-	-	-	-	-	242	252	466	86	25
e1631 1.25A 0.55KW 4P	A	50	32	80	50	155	14	132	160	100	70	240	190	200	14	290	-	-	-	129	-	-	-	-	-	248	292	498	86	33
e1631 1.25A 0.75KW 4P	A	50	32	80	50	155	14	132	160	100	70	240	190	200	14		-	-	-	128	-	-	-	-	-	248	292	466	86	36
e1631 1.25A 1.1KW 4P	A	50	32	80	50	155	14	132	160	100	70	240	190	200	14	300	-	-	-	134	-	-	-	-	-	248	292	533	86	42
e1631 1.25B 1.1KW 4P	A	50	32	80	50	155	14	160	180	100	70	240	190	200	14	300	-	-	-	134	-	-	-	-	-	286	340	533	86	45
e1631 1.25B 1.5KW 4P	A	50	32	80	50	155	14	160	180	100	70	240	190	200	14	300	-	-	-	134	-	-	-	-	-	286	340	533	86	49
e1631 1.25B 2.2KW 4P	A	50	32	80	50	165	14	160	180	100	70	240	190	200	14	300	-	-	-	163	-	-	-	-	-	286	340	567	86	60
e1631 1.25C 2.2KW 4P	A	50	32	100	65	165	21	180	225	125	95	320	250	250	14	350	-	-	-	168	-	-	-	-	-	343	405	587	95	78
e1631 1.25C 3KWA 4P	A	50	32	100	65	165	21	180	225	125	95	320	250	250	14	350	-	-	-	168	-	-	-	-	-	343	405	587	95	82
e1631 1.25C 3KW 4P	A	50	32	100	65	165	21	180	225	125	95	320	250	250	14	350	-	-	-	168	-	-	-	-	-	343	405	618	95	82
e1631 1.25C 4KW 4P	A	50	32	100	65	165	21	180	225	125	95	320	250	250	14	410	-	-	-	168	-	-	-	-	-	343	405	647	95	101
e1631 1.5AS 0.55KW 4P	A	65	40	80	50	155	14	112	140	100	70	210	160	200	14	290	-	-	-	129	-	-	-	-	-	237	252	498	96	33
e1631 1.5AS 0.75KW 4P	A	65	40	80	50	155	14	112	140	100	70	210	160	200	14		-	-	-	128	-	-	-	-	-	237	252	466	96	36
e1631 1.5AS 1.1KW 4P	A	65	40	80	50	155	14	112	140	100	70	210	160	200	14	300	-	-	-	134	-	-	-	-	-	237	252	533	96	42
e1631 1.5A 0.75KW 4P	A	65	40	80	50	155	14	132	160	100	70	240	190	200	14		-	-	-	128	-	-	-	-	-	250	292	466	92	37
e1631 1.5A 1.1KW 4P	A	65	40	80	50	155	14	132	160	100	70	240	190	200	14	300	-	-	-	134	-	-	-	-	-	250	292	533	92	43
e1631 1.5A 1.5AKW 4P	A	65	40	80	50	155	14	132	160	100	70	240	190	200	14	300	-	-	-	134	-	-	-	-	-	250	292	533	92	47
e1631 1.5A 1.5KW 4P	A	65	40	80	50	155	14	132	160	100	70	240	190	200	14	300	-	-	-	134	-	-	-	-	-	250	292	533	92	47
e1631 1.5B 1.5KW 4P	A	65	40	100	50	155	14	160	180	100	70	265	212	200	14	300	-	-	-	134	-	-	-	-	-	290	340	553	90	51
e1631 1.5B 2.2KW 4P	A	65	40	100	50	165	14	160	180	100	70	265	212	250	14	350	-	-	-	168	-	-	-	-	-	290	340	587	90	62
e1631 1.5B 3KW 4P	A	65	40	100	50	165	14	160	180	100	70	265	212	250	14	350	-	-	-	168	-	-	-	-	-	290	340	618	90	66
e1631 1.5C 2.2KW 4P	A	65	40	100	65	165	16	180	225	125	95	320	250	250	14	350	-	-	-	168	-	-	-	-	-	338	405	587	104	79
e1631 1.5C 3KW 4P	A	65	40	100	65	165	16	180	225	125	95	320	250	250	14	350	-	-	-	168	-	-	-	-	-	338	405	618	104	83
e1631 1.5C 4KW 4P	A	65	40	100	65	165	16	180	225	125	95	320	250	250	14	410	-	-	-	168	-	-	-	-	-	338	405	647	104	102
e1631 1.5C 5.5KW 4P	A	65	40	100	65	192	16	180	225	125	95	320	250	300	14	435	-	-	-	191	-	-	-	-	-	338	405	697	104	113
e1631 2AS 0.75KW 4P	A	65	50	100	50	157	14	132	160	100	70	240	190	200	14	-	-	-	-	128	-	-	-	-	-	255	292	488	107	39
e1631 2AS 1.1KWA 4P	A	65	50	100	50	157	14	132	160	100	70	240	190	200	14	302	-	-	-	134	-	-	-	-	-	255	292	555	107	45
e1631 2AS 1.1KW 4P	A	65	50	100	50	157	14	132	160	100	70	240	190	200	14	302	-	-	-	134	-	-	-	-	-	255	292	555	107	45
e1631 2AS 1.5KW 4P	A	65	50	100	50	157	14	132	160	100	70	240	190	200	14	302	-	-	-	134	-	-	-	-	-	255	292	555	107	49
e1631 2A 1.1KW 4P	A	65	50	100	50	155	14	160	180	100	70	265	212	200	14	300	-	-	-	134	-	-	-	-	-	289	340	553	103	48
e1631 2A 1.5KW 4P	A	65	50	100	50	155	14	160	180	100	70	265	212	200	14	300	-	-	-	134	-	-	-	-	-	289	340	553	103	52
e1631 2A 2.2KW 4P	A	65	50	100	50	165	14	160	180	100	70	265	212	250	14	350	-	-	-	168	-	-	-	-	-	289	340	587	103	63
e1631 2A 3KW 4P	A	65	50	100	50	165	14	160	180	100	70	265	212	250	14	350	-	-	-	168	-	-	-	-	-	289	340	618	103	67
e1631 2B 2.2KW 4P	A	65	50	100	50	165	14	160	200	100	70	265	212	250	14	350	-	-	-	168	-	-	-	-	-	305	360	587	98	64
e1631 2B 3KWA 4P	A	65	50	100	50	165	14	160	200	100	70	265	212	250	14	350	-	-	-	168	-	-	-	-	-	305	360	618	98	68
e1631 2B 3KW 4P	A	65	50	100	50	165	14	160	200	100	70	265	212	250	14	350	-	-	-	168	-	-	-	-	-	305	360	618	98	68
e1631 2B 4KW 4P	A	65	50	100	50	165	14	160	200	100	70	265	212	250	14	410	-	-	-	168	-	-	-	-	-	305	360	647	98	87
e1631 2C 4KW 4P	A	65	50	100	65	165	16	180	225	125	95	320	250	250	14	410	-	-	-	168	-	-	-	-	-	358	405	647	110	103
e1631 2C 5.5KW 4P	A	65	50	100	65	192	16	180	225	125	95	320	250	300	14	435	-	-	-	191	-	-	-	-	-	358	405	697	110	114
e1631 2C 7.5KW 4P	A	65	50	100	65	192	16	180	225	125	95	320	250	300	14	435	-	-	-	191	-	-	-	-	-	358	405	697	110	118
e1631 2D 7.5KW 4P	A	65	50	125	65	210	14	225	280	125	95	345	280	300	15		-	-	-	191	-	-	-	-	-	413	505	740	140	146
e1631 2D 11KW 4P	B	65	50	125	65	240	14	225	280	125	95	345	280	350	15	348	254	49	304	240	210	304	160	5	15	413	505	859	140	210
e1631 2D 15KW 4P	B	65	50	125	65	240	14	225	280	125	95	345	280	350	15	348	254	49	304	240	254	304	160	5	15	413	505	859	140	214

For shims and supports see accessories section.

NOTE: Pumps with flanges according to EN 1092-2 as standard;available ASME B16.5 version on request

e1631 2.5 ,3.25 Series

Demensions And Weights At 60hz,4poles



e1631 2.5 ,3.25 Series

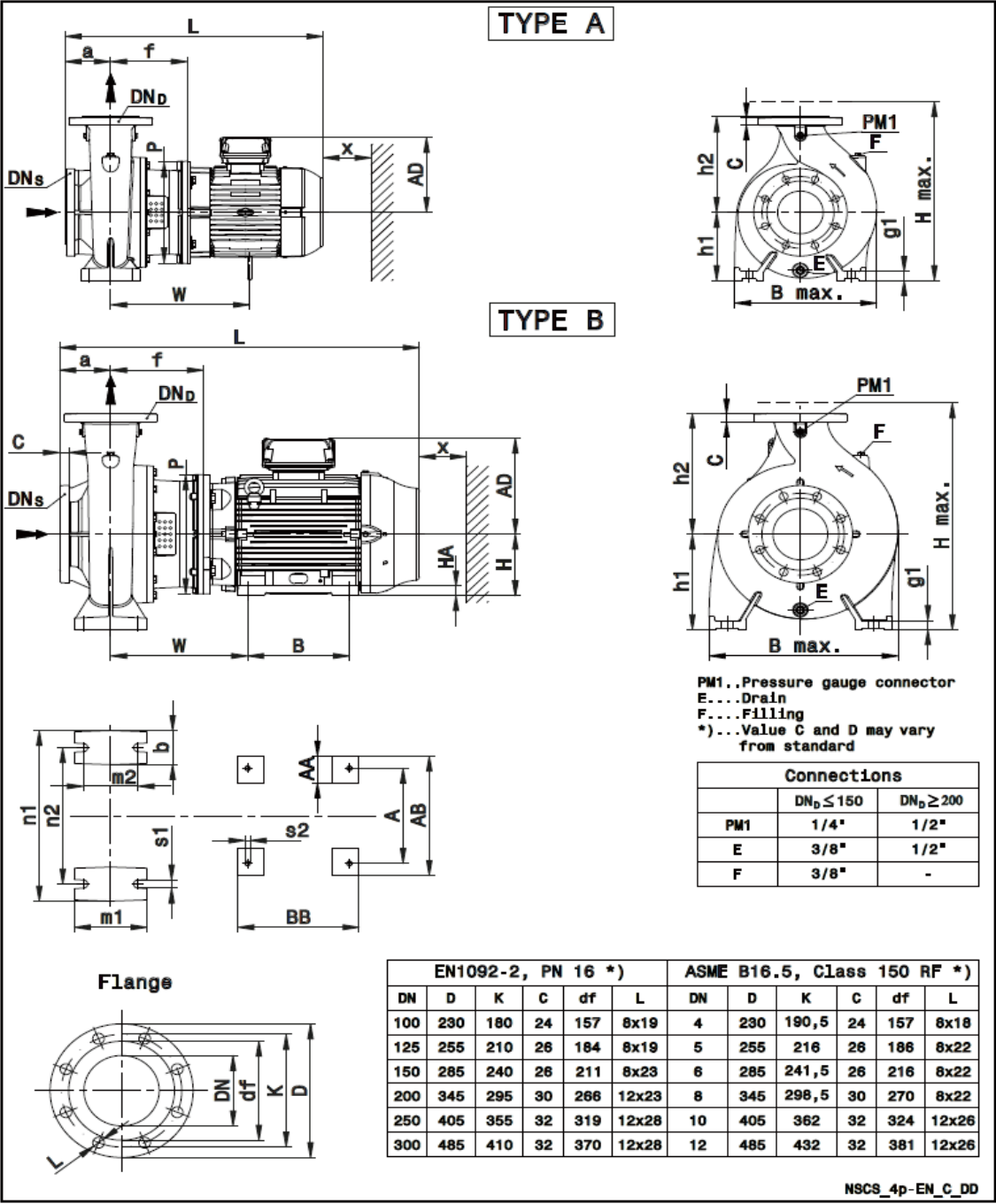
Demensions And Weights At 60hz,4poles

PUMP TYPE	TYPE	Demensions (mm)																								B max	H max	L	x	WEIGHT kg
		PUMP																MOTOR												
		DNS	DND	a	b	f	g1	h1	h2	m1	m2	n1	n2	P	s1	W	A	AA	AB	AD	B	BB	H	HA	s2					
e1631 2.5AS 1.1KWA 4P	A	80	65	100	65	157	16	160	180	125	95	280	212	200	14	302	-	-	-	134	-	-	-	-	-	300	340	555	100	52
e1631 2.5AS 1.1KW 4P	A	80	65	100	65	157	16	160	180	125	95	280	212	200	14	302	-	-	-	134	-	-	-	-	-	300	340	555	100	52
e1631 2.5AS 1.5KW 4P	A	80	65	100	65	157	16	160	180	125	95	280	212	200	14	302	-	-	-	134	-	-	-	-	-	300	340	555	100	56
e1631 2.5AS 2.2KW 4P	A	80	65	100	65	167	16	160	180	125	95	280	212	250	14	352	-	-	-	168	-	-	-	-	-	300	340	589	100	67
e1631 2.5A 2.2KWA 4P	A	80	65	100	65	165	16	160	200	125	95	280	212	250	14	350	-	-	-	168	-	-	-	-	-	335	360	587	108	79
e1631 2.5A 2.2KW 4P	A	80	65	100	65	165	16	160	200	125	95	280	212	250	14	350	-	-	-	168	-	-	-	-	-	335	360	587	108	79
e1631 2.5A 3KW 4P	A	80	65	100	65	165	16	160	200	125	95	280	212	250	14	350	-	-	-	168	-	-	-	-	-	335	360	618	108	83
e1631 2.5A 4KW 4P	A	80	65	100	65	165	16	160	200	125	95	280	212	250	14	410	-	-	-	168	-	-	-	-	-	335	360	647	108	102
e1631 2.5B 3KW 4P	A	80	65	100	65	165	16	180	225	125	95	320	250	250	14	350	-	-	-	168	-	-	-	-	-	348	405	618	118	86
e1631 2.5B 4KW 4P	A	80	65	100	65	165	16	180	225	125	95	320	250	250	14	410	-	-	-	168	-	-	-	-	-	348	405	647	118	105
e1631 2.5B 5.5KWA 4P	A	80	65	100	65	192	16	180	225	125	95	320	250	300	14	435	-	-	-	191	-	-	-	-	-	348	405	697	118	116
e1631 2.5B 5.5KW 4P	A	80	65	100	65	192	16	180	225	125	95	320	250	300	14	435	-	-	-	191	-	-	-	-	-	348	405	697	118	116
e1631 2.5B 7.5KW 4P	A	80	65	100	65	192	16	180	225	125	95	320	250	300	14	435	-	-	-	191	-	-	-	-	-	348	405	697	118	120
e1631 2.5C 11KWA 4P	B	80	65	100	80	240	21	200	250	160	120	360	280	350	20	348	254	49	304	240	210	304	160	5	15	367	450	834	130	192
e1631 2.5C 11KW 4P	B	80	65	100	80	240	21	200	250	160	120	360	280	350	20	348	254	49	304	240	210	304	160	5	15	367	450	834	130	192
e1631 2.5D 11KW 4P	B	80	65	125	80	240	20	225	280	160	120	400	315	350	19	348	254	49	304	240	210	304	160	5	15	437	505	859	140	217
e1631 2.5D 15KW 4P	B	80	65	125	80	240	20	225	280	160	120	400	315	350	19	348	254	49	304	240	254	304	160	5	15	437	505	859	140	221
e1631 2.5D 18.5KW 4P	B	80	65	125	80	240	20	225	280	160	120	400	315	350	19	361	279	78	350	279	241	294	180	28	15	437	505	919	140	260
e1631 2.5D 22KW 4P	B	80	65	125	80	240	20	225	280	160	120	400	315	350	19	361	279	78	350	279	279	332	180	28	15	437	505	957	140	277
e1631 3.25A 2.2KW 4P	A	100	80	125	65	165	16	180	225	125	95	320	250	250	14	350	-	-	-	168	-	-	-	-	-	340	405	612	122	85
e1631 3.25A 3KW 4P	A	100	80	125	65	165	16	180	225	125	95	320	250	250	14	350	-	-	-	168	-	-	-	-	-	340	405	643	122	89
e1631 3.25A 4KW 4P	A	100	80	125	65	165	16	180	225	125	95	320	250	250	14	410	-	-	-	168	-	-	-	-	-	340	405	672	122	108
e1631 3.25A 5.5KW 4P	A	100	80	125	65	192	16	180	225	125	95	320	250	300	14	435	-	-	-	191	-	-	-	-	-	340	405	722	122	119
e1631 3.25B 5.5KW 4P	A	100	80	125	65	210	16	180	250	125	95	345	280	300	14	453	-	-	-	191	-	-	-	-	-	358	430	740	151	126
e1631 3.25B 7.5KW 4P	A	100	80	125	65	210	16	180	250	125	95	345	280	300	14	453	-	-	-	191	-	-	-	-	-	358	430	740	151	130
e1631 3.25B 11KW 4P	B	100	80	125	65	240	16	180	250	125	95	345	280	350	14	348	254	49	304	240	210	304	160	5	15	358	430	859	151	194
e1631 3.25C 7.5KW 4P	A	100	80	125	80	240	21	200	280	160	120	400	315	300	20	453	-	-	-	191	-	-	-	-	-	400	480	740	152	133
e1631 3.25C 11KWA 4P	B	100	80	125	80	240	21	200	280	160	120	400	315	350	20	348	254	49	304	240	210	304	160	5	15	400	480	859	152	197
e1631 3.25C 11KWA 4P	B	100	80	125	80	240	21	200	280	160	120	400	315	350	20	348	254	49	304	240	210	304	160	5	15	400	480	859	152	197
e1631 3.25C 11KWA 4P	B	100	80	125	80	240	21	200	280	160	120	400	315	350	20	348	254	49	304	240	254	304	160	5	15	400	480	859	152	201
e1631 3.25D 15KW 4P	B	100	80	125	80	240	26	250	315	160	120	400	315	350	19	348	254	49	304	240	254	304	160	5	15	477	565	859	140	234
e1631 3.25D 18.5KW 4P	B	100	80	125	80	240	26	250	315	160	120	400	315	350	19	361	279	78	350	279	241	294	180	28	15	477	565	919	140	273
e1631 3.25D 22KW 4P	B	100	80	125	80	240	26	250	315	160	120	400	315	350	19	361	279	78	350	279	279	332	180	28	15	477	565	957	140	290
e1631 3.25D 30KW 4P	B	100	80	125	80	246	26	250	315	160	120	400	315	400	19	379	318	82	385	317	305	370	200	30	19	477	567	1028	140	338
e1631 3.25E 37KW 4P	B	100	80	125	80	284	26	280	355	160	120	435	355	450	19	433	356	80	436	384	286	412	225	34	19	539	664	1155	140	520
e1631 3.25E 45KW 4P	B	100	80	125	80	284	26	280	355	160	120	435	355	450	19	433	356	80	436	384	311	412	225	34	19	539	664	1155	140	555
e1631 3.25E 55KW 4P	B	100	80	125	80	284	26	280	355	160	120	435	355	550	19	452	406	100	506	402	349	467	250	43	24	550	682	1234	140	605
e1631 3.25E 75KW 4P	B	100	80	125	80	284	26	280	355	160	120	435	355	550	19	474	457	100	557	472	368	517	280	42	24	550	752	1340	140	797

For shims and supports see accessories section.

NOTE: Pumps with flanges according to EN 1092-2 as standard;available ASME B16.5 version on request

e1631 4 ,5,6,8 SERIES
Demensions And Weights At 60hz,4poles



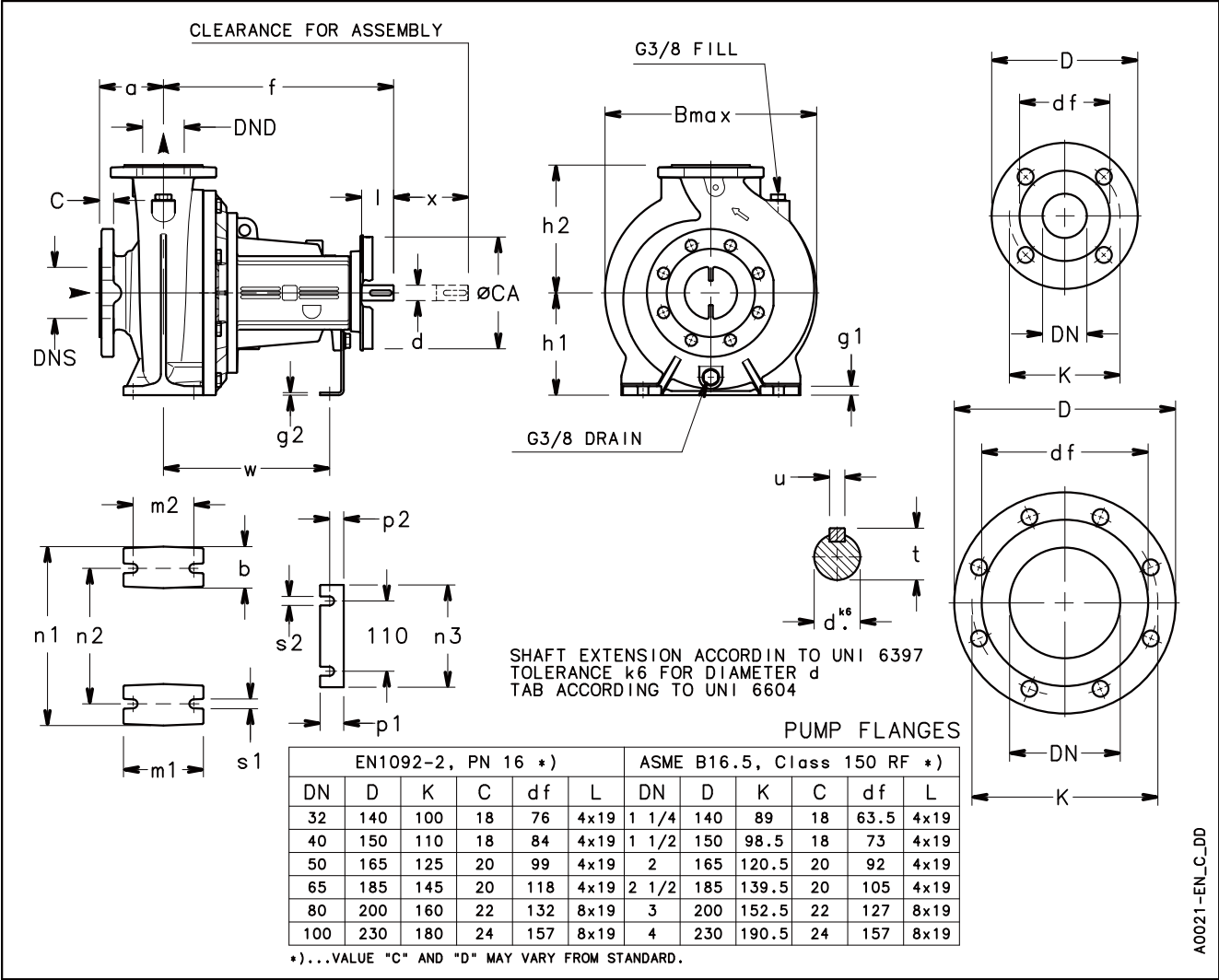
e1631 4 ,5,6,8 SERIES

Demensions And Weights At 60hz,4poles

PUMP TYPE	TYPE	Demensions (mm)																								B	H	L	x	WEIGHT kg
		PUMP														MOTOR														
		DNS	DND	a	b	f	g1	h1	h2	m1	m2	n1	n2	P	s1	W	A	AA	AB	AD	B	BB	H	HA	s2	max	max			
e1631 4A 4KW 4P	A	125	100	125	80	183	26	200	280	160	120	360	280	250	19	-	-	-	-	168	-	-	-	-	-	388	480	706	140	132
e1631 4A 5.5KW 4P	A	125	100	125	80	210	26	200	280	160	120	360	280	300	19	-	-	-	-	191	-	-	-	-	-	388	480	740	140	136
e1631 4A 7.5KW 4P	A	125	100	125	80	210	26	200	280	160	120	360	280	300	19	-	-	-	-	191	-	-	-	-	-	388	480	740	140	141
e1631 4B 5.5KW 4P	A	125	100	125	80	210	26	200	280	160	120	360	280	300	19	-	-	-	-	191	-	-	-	-	-	390	480	740	140	134
e1631 4B 7.5KW 4P	A	125	100	125	80	210	26	200	280	160	120	360	280	300	19	-	-	-	-	191	-	-	-	-	-	390	480	740	140	139
e1631 4B 11KW 4P	B	125	100	125	80	240	26	200	280	160	120	360	280	350	19	348	254	49	304	240	210	304	160	5	15	390	480	859	140	204
e1631 4B 15KW 4P	B	125	100	125	80	240	26	200	280	160	120	360	280	350	19	348	254	49	304	240	254	304	160	5	15	390	480	859	140	208
e1631 4C 11KW 4P	B	125	100	140	80	240	26	225	280	160	120	400	315	350	19	348	254	49	304	240	210	304	160	5	15	431	505	874	140	215
e1631 4C 15KW 4P	B	125	100	140	80	240	26	225	280	160	120	400	315	350	19	348	254	49	304	240	254	304	160	5	15	431	505	874	140	219
e1631 4C 18.5KW 4P	B	125	100	140	80	240	26	225	280	160	120	400	315	350	19	361	279	78	350	279	241	294	180	28	15	431	505	934	140	258
e1631 4D 22KW 4P	B	125	100	140	80	240	26	250	315	160	120	400	315	350	19	361	279	78	350	279	279	332	180	28	15	481	565	972	140	296
e1631 4D 30KW 4P	B	125	100	140	80	246	26	250	315	160	120	400	315	400	19	379	318	82	385	317	305	370	200	30	19	481	567	1043	140	343
e1631 4E 45KW 4P	B	125	100	140	100	284	26	280	355	200	150	500	400	450	23	433	356	80	436	384	311	412	225	34	19	569	664	1170	140	575
e1631 4E 55KW 4P	B	125	100	140	100	284	26	280	355	200	150	500	400	550	23	452	406	100	506	402	349	467	250	43	24	569	682	1249	140	624
e1631 4E 75KW 4P	B	125	100	140	100	284	26	280	355	200	150	500	400	550	23	474	457	100	557	472	368	517	280	42	24	569	752	1355	140	816
e1631 5B 7.5KW 4P	A	150	125	140	80	210	26	250	315	160	120	400	315	300	19	-	-	-	-	191	-	-	-	-	-	468	565	755	140	166
e1631 5B 11KW 4P	B	150	125	140	80	240	26	250	315	160	120	400	315	350	19	348	254	49	304	240	210	304	160	5	15	468	565	874	140	230
e1631 5B 15KW 4P	B	150	125	140	80	240	26	250	315	160	120	400	315	350	19	348	254	49	304	240	254	304	160	5	15	468	565	874	140	234
e1631 5B 18.5KW 4P	B	150	125	140	80	240	26	250	315	160	120	400	315	350	19	361	279	78	350	279	241	294	180	28	15	468	565	934	140	273
e1631 5C 15KW 4P	B	150	125	140	80	240	26	250	355	160	120	400	315	350	19	348	254	49	304	240	254	304	160	5	15	470	605	874	140	237
e1631 5C 18.5KW 4P	B	150	125	140	80	240	26	250	355	160	120	400	315	350	19	361	279	78	350	279	241	294	180	28	15	470	605	934	140	276
e1631 5C 22KW 4P	B	150	125	140	80	240	26	250	355	160	120	400	315	350	19	361	279	78	350	279	279	332	180	28	15	470	605	972	140	293
e1631 5C 30KW 4P	B	150	125	140	80	246	26	250	355	160	120	400	315	400	19	379	318	82	385	317	305	370	200	30	19	470	605	1043	140	340
e1631 5D 30KW 4P	B	150	125	140	100	254	26	280	355	200	150	500	400	400	23	387	318	82	385	317	305	370	200	30	19	518	635	1051	140	364
e1631 5D 37KW 4P	B	150	125	140	100	284	26	280	355	200	150	500	400	450	23	433	356	80	436	384	286	412	225	34	19	518	664	1170	140	510
e1631 5D 45KW 4P	B	150	125	140	100	284	26	280	355	200	150	500	400	450	23	433	356	80	436	384	311	412	225	34	19	518	664	1170	140	545
e1631 5D 55KW 4P	B	150	125	140	100	284	26	280	355	200	150	500	400	550	23	452	406	100	506	402	349	467	250	43	24	550	682	1249	140	595
e1631 5D 75KW 4P	B	150	125	140	100	284	26	280	355	200	150	500	400	550	23	474	457	100	557	472	368	517	280	42	24	550	752	1355	140	786
e1631 5E 55KW 4P	B	150	125	140	100	284	26	315	400	200	150	500	400	550	23	452	406	100	506	402	349	467	250	43	24	607	717	1249	140	642
e1631 5E 75KW 4P	B	150	125	140	100	284	26	315	400	200	150	500	400	550	23	474	457	100	557	472	368	517	280	42	24	607	787	1355	140	834
e1631 5E 90KW 4P	B	150	125	140	100	284	26	315	400	200	150	500	400	550	23	474	457	100	557	472	419	517	280	42	24	607	787	1355	140	904
e1631 6B 15KW 4P	B	200	150	160	100	240	26	280	400	200	150	550	450	350	23	348	254	49	304	240	254	304	160	5	15	602	680	894	140	289
e1631 6B 18.5KW 4P	B	200	150	160	100	240	26	280	400	200	150	550	450	350	23	361	279	78	350	279	241	294	160	28	15	602	680	954	140	329
e1631 6B 22KW 4P	B	200	150	160	100	240	26	280	400	200	150	550	450	350	23	361	279	78	350	279	279	332	180	28	15	602	680	992	140	346
e1631 6B 30KW 4P	B	200	150	160	100	246	26	280	400	200	150	550	450	400	23	379	318	82	385	317	305	370	200	30	19	602	680	1063	140	393
e1631 6C 22KW 4P	B	200	150	160	100	254	26	280	400	200	150	500	400	350	23	375	279	78	350	279	279	332	180	28	15	567	680	1006	140	350
e1631 6C 30KW 4P	B	200	150	160	100	254	26	280	400	200	150	500	400	400	23	387	318	82	385	317	305	370	200	30	19	567	680	1071	140	394
e1631 6C 37KW 4P	B	200	150	160	100	284	26	280	400	200	150	500	400	450	23	433	356	82	436	384	286	412	225	34	19	567	680	1190	140	540
e1631 6C 45KW 4P	B	200	150	160	100	284	26	280	400	200	150	500	400	450	23	433	356	82	436	384	311	412	225	34	19	567	680	1190	140	575
e1631 6D 45KW 4P	B	200	150	160	100	284	26	280	400	200	150	550	450	450	23	433	356	80	436	384	311	412	225	34	19	586	680	1190	140	572
e1631 6D 55KW 4P	B	200	150	160	100	284	26																							

e1610 1.25 ,1.5,2,2.5,3.25 SERIES

Dimensions And Weights (Bare Shaft)



e1610 1.25 ,1.5,2,2.5,3.25 SERIES

Dimensions And Weights (Bare Shaft)

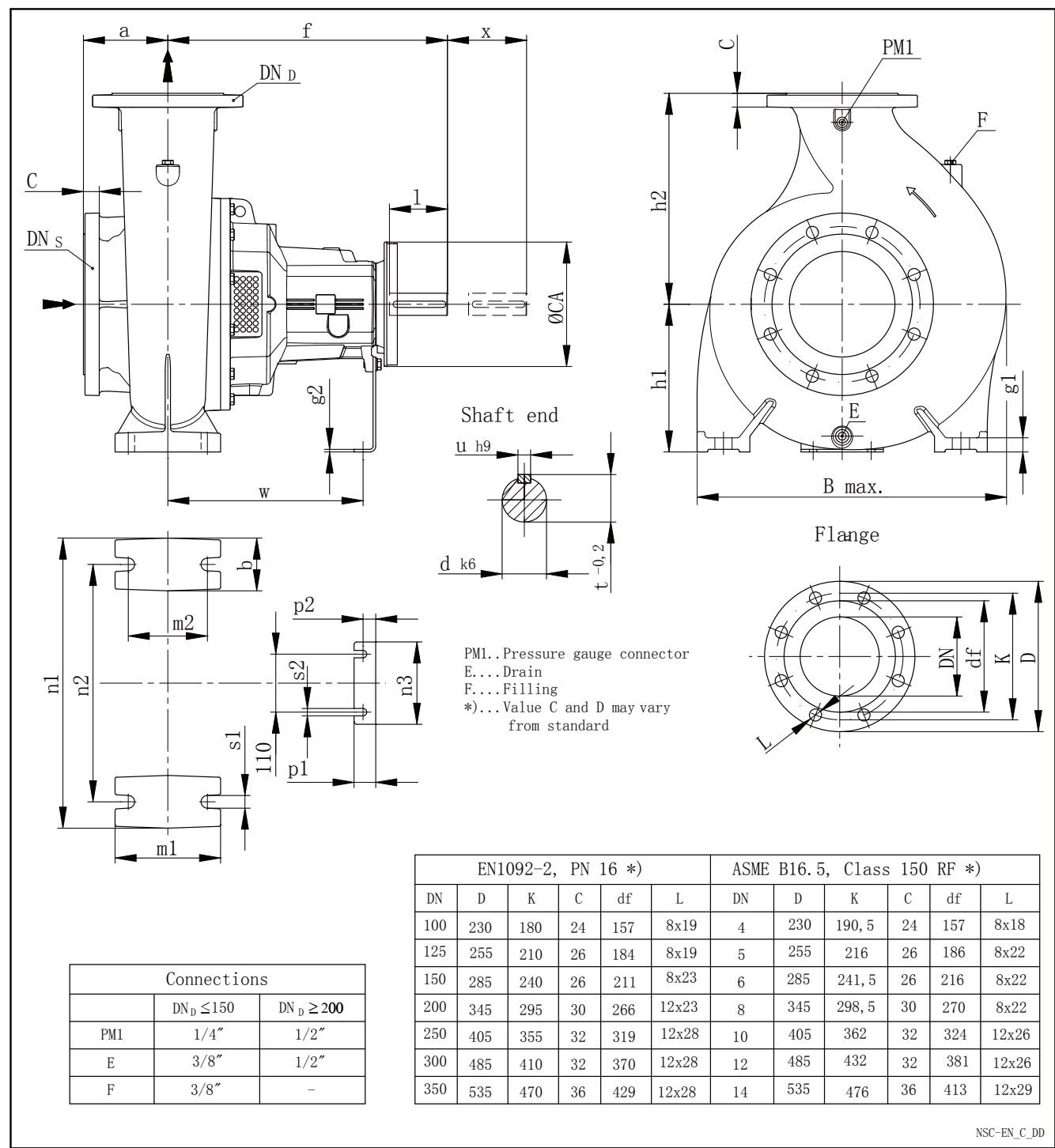
PUMP TYPE e1610 (BARE SHAFT)	DIMENSIONS (mm)																												WEIGHT kg
	PUMP																			SHAFT									
	DNS	DND	a	b	f	g1	g2	h1	h2	m1	m2	n1	n2	n3	p1	p2	s1	s2	W	ØCA	d	l	t	u	B max	x			
1.25AS	50	32	80	50	360	12	4	112	140	100	70	190	140	160	37	22	14	14	260	160	24	50	27	8	239	100	30		
1.25A	50	32	80	50	360	12	4	132	160	100	70	240	190	160	37	22	14	14	260	160	24	50	27	8	250	100	31		
1.25B	50	32	80	50	360	12	4	160	180	100	70	240	190	160	37	22	14	14	260	160	24	50	27	8	286	100	38		
1.25C	50	32	100	65	360	16	4	180	225	125	95	320	250	160	37	22	14	14	260	175	24	50	27	8	343	100	59		
1.5AS	65	40	80	50	360	12	4	112	140	100	70	210	160	160	37	22	14	14	260	160	24	50	27	8	240	100	31		
1.5A	65	40	80	50	360	12	4	132	160	100	70	240	190	160	37	22	14	14	260	160	24	50	27	8	253	100	32		
1.5B	65	40	100	50	360	12	4	160	180	100	70	265	212	160	37	22	14	14	260	160	24	50	27	8	294	100	40		
1.5C	65	40	100	65	360	16	4	180	225	125	95	320	250	160	37	22	14	14	260	175	24	50	27	8	343	100	60		
2AS	65	50	100	50	360	12	4	132	160	100	70	240	190	160	37	22	14	14	260	160	24	50	27	8	258	100	34		
2A	65	50	100	50	360	12	4	160	180	100	70	265	212	160	37	22	14	14	260	160	24	50	27	8	290	100	41		
2B	65	50	100	50	360	12	4	160	200	100	70	265	212	160	37	22	14	14	260	160	24	50	27	8	303	100	42		
2C	65	50	100	65	360	16	4	180	225	125	95	320	250	160	37	22	14	14	260	175	24	50	27	8	361	100	61		
2D	65	50	125	65	470	14	5	225	280	125	95	345	280	156	41	24	15	14	340	190	32	80	35	10	414	140	94		
2.5AS	80	65	100	65	360	16	4	160	180	125	95	280	212	160	37	22	14	14	260	160	24	50	27	8	305	100	45		
2.5A	80	65	100	65	360	16	4	160	200	125	95	280	212	160	37	22	14	14	260	175	24	50	27	8	338	100	60		
2.5B	80	65	100	65	360	16	4	180	225	125	95	320	250	160	37	22	14	14	260	175	24	50	27	8	350	140	63		
2.5C	80	65	100	80	470	21	4	200	250	160	120	360	280	160	37	22	20	14	340	190	32	80	35	10	375	140	81		
2.5D	80	65	125	80	470	20	5	225	280	160	120	400	315	156	41	24	19	14	340	190	32	80	35	10	437	140	102		
3.25A	100	80	125	65	360	16	4	180	225	125	95	320	250	160	37	22	14	14	260	160	24	50	27	8	343	140	66		
3.25B	100	80	125	65	470	16	4	180	250	125	95	345	280	160	37	22	14	14	340	190	32	80	35	10	365	140	83		
3.25C	100	80	125	80	470	21	4	200	280	160	120	400	315	160	37	22	20	14	340	190	32	80	35	10	405	140	86		
3.25D	100	80	125	80	470	26	5	250	315	160	120	400	315	156	41	24	19	14	340	190	32	80	35	10	478	140	118		
3.25E	100	80	125	80	530	26	5	280	355	160	120	435	355	156	41	24	19	14	370	230	42	110	45	12	540	140	154		

NOTE: Pumps with flanges according to EN 1092-2 as standard; available ASME B16.5 version on request.

Nsc32-80bs_60-en_a_td

e1610 4,5,6,8,10.12 SERIES

Dimensions And Weights (Bare Shaft)



NSC-EN_C_DD

e1610 4,5,6,8,10,12 SERIES

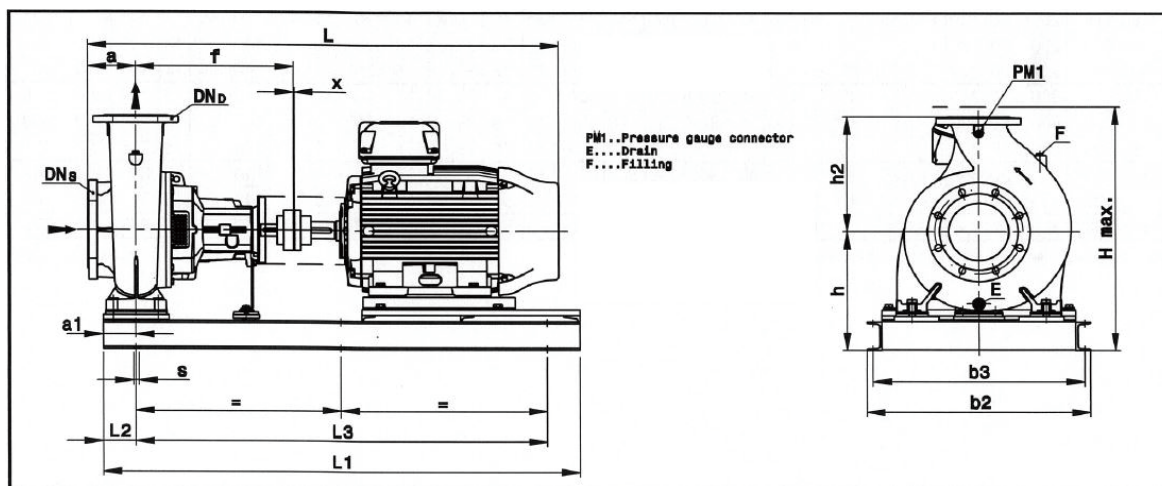
Dimensions And Weights (Bare Shaft)

PUMP TYPE e1610 (BARE SHAFT)	DIMENSIONS (mm)																											WEIGHT (kg) G
	PUMP																			SHAFT								
	DNS	DND	a	b	f	g1	g2	h1	h2	m1	m2	n1	n2	n3	p1	p2	s1	s2	W	ØCA	d	l	t	u	B max	x		
4A	125	100	125	80	470	26	5	200	280	160	120	360	280	156	41	24	19	14	340	190	32	80	35	10	388	140	82	
4B	125	100	125	80	470	26	5	200	280	160	120	360	280	156	41	24	19	14	340	190	32	80	35	10	390	140	90	
4C	125	100	140	80	470	26	5	225	280	160	120	400	315	156	41	24	19	14	340	190	32	80	35	10	431	140	100	
4D	125	100	140	80	470	26	5	250	315	160	120	400	315	156	41	24	19	14	340	190	32	80	35	10	482	140	116	
4E	125	100	140	100	530	26	5	280	355	200	150	500	400	156	41	24	23	14	370	230	42	110	45	12	569	140	178	
5B	150	125	140	80	470	26	5	250	315	160	120	400	315	156	41	24	19	14	340	190	32	80	35	10	468	140	112	
5C	150	125	140	80	470	26	5	250	355	160	120	400	315	156	41	24	19	14	340	190	32	80	35	10	470	140	112	
5D	150	125	140	100	530	26	5	280	355	200	150	500	400	156	41	24	23	14	370	230	42	110	45	12	518	140	152	
5E	150	125	140	100	530	26	5	315	400	200	150	500	400	156	41	24	23	14	370	230	42	110	45	12	607	140	200	
6B	200	150	160	100	470	26	5	280	400	200	150	550	450	156	41	24	23	14	340	190	32	80	35	10	603	140	166	
6C	200	150	160	100	530	26	5	280	400	200	150	500	400	156	41	24	23	14	370	230	42	110	45	12	569	140	180	
6D	200	150	160	100	530	26	5	280	400	200	150	550	450	156	41	24	23	14	370	230	42	110	45	12	586	140	186	
6E	200	150	160	100	530	26	5	315	450	200	150	550	450	156	41	24	23	14	370	230	42	110	45	12	621	140	228	
6H	200	150	180	110	770	35	8	400	500	300	250	710	600	170	58	33	28	18	525	310	60	140	64	18	751	250	408	
8C	250	200	180	100	530	26	5	355	475	200	150	550	450	156	41	24	23	14	370	230	42	110	45	12	655	200	230	
8D	250	200	180	100	530	26	5	355	450	200	150	550	450	156	41	24	23	14	370	230	42	110	45	12	645	200	234	
8E	250	200	180	110	770	35	8	400	500	300	250	710	600	170	58	33	28	18	525	310	60	140	64	18	735	250	363	
8H	250	200	200	110	770	35	8	450	560	300	250	710	600	170	58	33	28	18	525	310	60	140	64	18	761	250	400	
10D	300	250	250	110	530	35	5	400	500	300	250	710	600	156	41	24	28	14	370	230	42	110	45	12	767	200	316	
10E	300	250	200	110	770	35	8	400	560	300	250	710	600	170	58	33	28	18	525	310	60	140	64	18	754	250	400	
10H	300	250	200	110	770	35	8	450	670	300	250	710	600	170	58	33	28	18	525	310	60	140	64	18	776	250	451	
12D	350	300	250	130	800	41	8	450	600	350	290	800	670	170	58	33	32	18	555	310	60	140	64	18	895	300	544	
12E	350	300	250	130	800	41	8	450	600	350	290	800	670	170	58	33	32	18	555	310	60	140	64	18	854	300	548	

NOTE: Pumps with flanges according to EN 1092-2 as standard; available ASME B16.5 version on request.

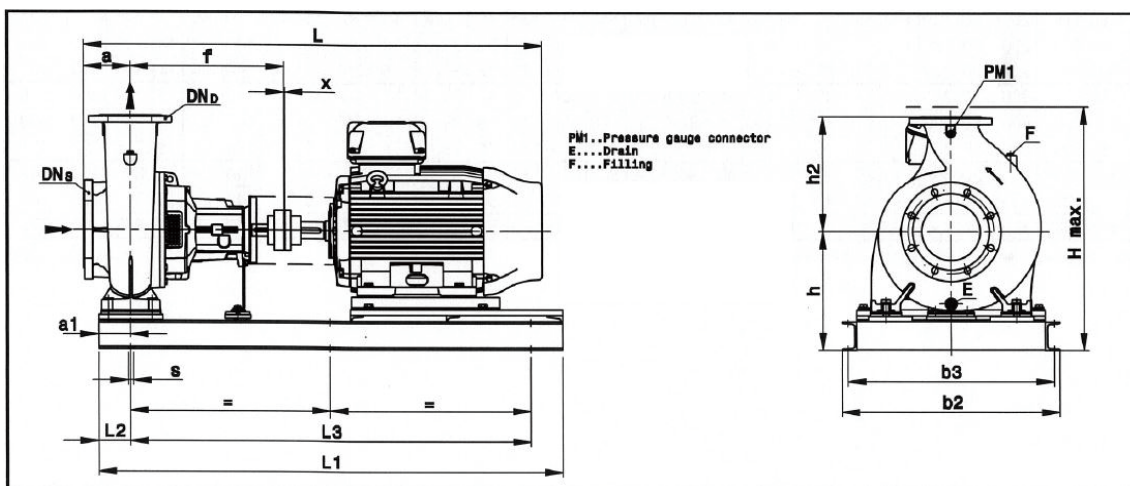
Nsc100-300bs_60-en_a_td

e1610 1.25 Series (Mounted On Base) Dimensions And Weights At 60hz,2 Poles



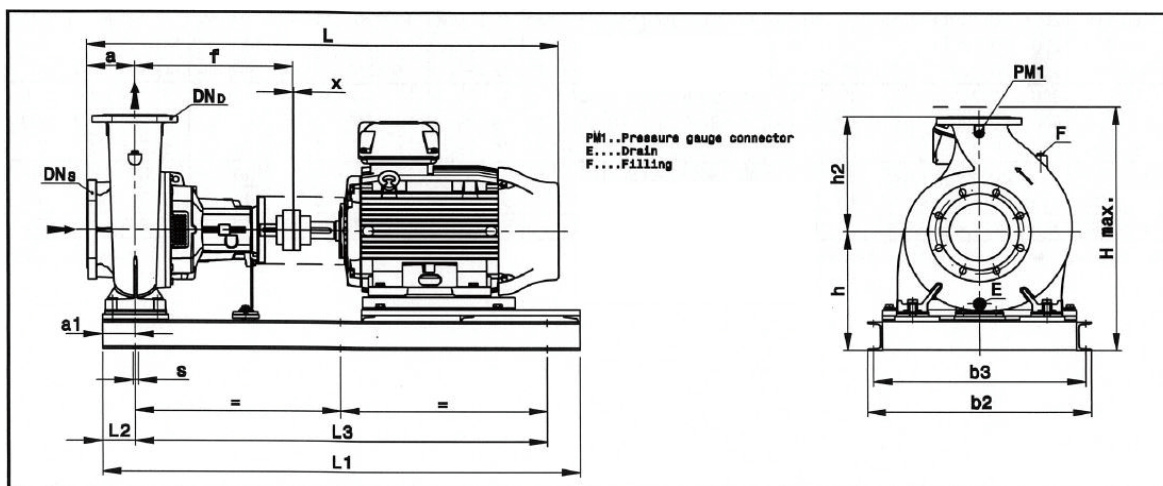
PUMPTYPE	DIMENSIONS (mm)															s	weight kg	coupling type	connections		
	DNS	DND	a	a1	b2	b3	f	h	h2	L	L1	L2	L3	H max	x	FOR SCREWS			PM1	E	F
e1610 1.25AS 1.5KW 2P	50	32	80	60	310	270	360	212	140	796	700	150	400	362	16	4xΦ19(M16)	75	CJ19/24	1/4	3/8	3/8
e1610 1.25AS 2.2KW 2P	50	32	80	60	310	270	360	212	140	826	710	150	410	362	16	4xΦ19(M16)	77	CJ19/24	1/4	3/8	3/8
e1610 1.25AS 3KW 2P	50	32	80	60	320	280	360	212	140	873	760	150	460	362	18	4xΦ19(M16)	84	J24/32	1/4	3/8	3/8
e1610 1.25AS 4KW 2P	50	32	80	60	350	310	360	212	140	906	740	150	440	362	18	4xΦ19(M16)	89	CJ24/32	1/4	3/8	3/8
e1610 1.25AS 5.5KW 2P	50	32	80	60	390	350	360	232	140	975	790	170	450	382	20	4xΦ19(M16)	118	CJ28/38	1/4	3/8	3/8
e1610 1.25A 4KW 2P	50	32	80	60	360	320	360	232	160	878	770	150	470	402	18	4xΦ19(M16)	90	J24/32	1/4	3/8	3/8
e1610 1.25A 5.5KW 2P	50	32	80	60	380	340	360	232	160	950	810	170	470	402	20	4xΦ19(M16)	119	J28/38	1/4	3/8	3/8
e1610 1.25A 7.5KW 2P	50	32	80	60	380	340	360	232	160	950	810	170	470	402	20	4xΦ19(M16)	119	J28/38	1/4	3/8	3/8
e1610 1.25A 11KW 2P	50	32	80	60	450	410	360	260	160	1078	910	190	530	430	24	4xΦ19(M16)	153	CJ38/45	1/4	3/8	3/8
e1610 1.25B 7.5KW 2P	50	32	80	60	380	340	360	260	180	950	810	170	470	450	20	4xΦ19(M16)	130	CJ28/38	1/4	3/8	3/8
e1610 1.25B 11KW 2P	50	32	80	60	440	400	360	260	180	1078	910	190	530	450	24	4xΦ19(M16)	159	CJ38/45	1/4	3/8	3/8
e1610 1.25C 11KW 2P	50	32	100	73	440	400	360	280	225	1187	930	205	520	515	24	4xΦ19(M16)	187	CJ38/45	1/4	3/8	3/8
e1610 1.25C 15KW 2P	50	32	100	73	440	400	360	280	225	1187	930	205	520	515	24	4xΦ19(M16)	204	CJ38/45	1/4	3/8	3/8
e1610 1.25C 18.5KW 2P	50	32	100	73	440	400	360	280	225	1217	970	205	560	515	24	4xΦ19(M16)	218	CJ38/45	1/4	3/8	3/8
e1610 1.25C 22KW 2P	50	32	100	73	470	430	360	280	225	1238	980	205	570	515	26	4xΦ19(M16)	285	CJ42/55	1/4	3/8	3/8

e1610 1.5, 2, 2.5 Series (Mounted On Base) Demensions And Weights At 60hz,2 Poles



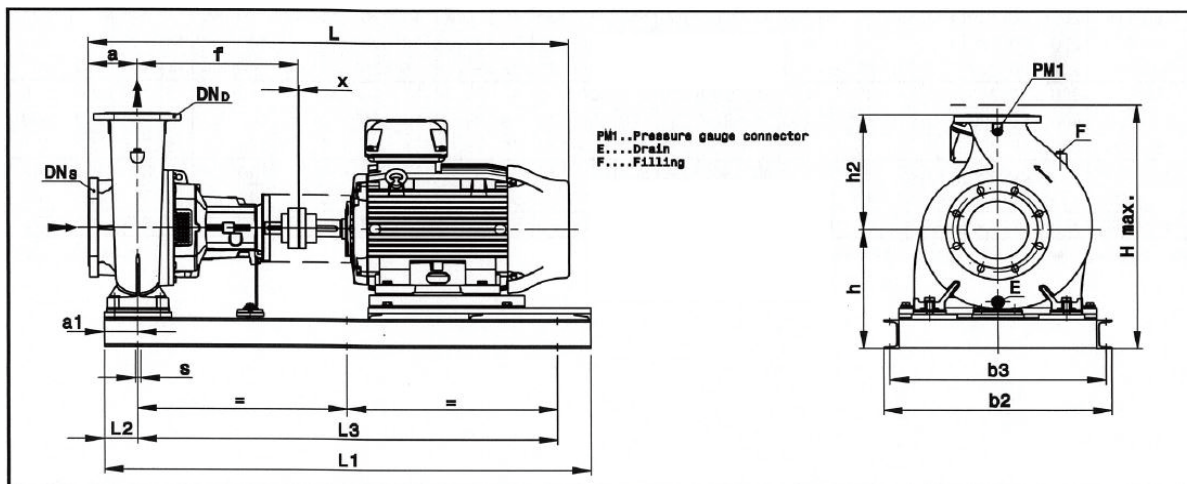
PUMPTYPE	DIMENSIONS (mm)																s	weight	coupling	connections		
	DNS	DND	a	a1	b2	b3	f	h	h2	L	L1	L2	L3	H max	x	FOR SCREWS	kg			type	PM1	E
e1610 1.5AS 3KW 2P	65	40	80	60	330	290	360	212	140	873	760	150	460	362	18	4x Φ19 (M16)	85	CJ24/32	1/4	3/8	3/8	
e1610 1.5AS 4KW 2P	65	40	80	60	340	300	360	212	140	878	770	150	470	362	18	4x Φ19 (M16)	90	CJ24/32	1/4	3/8	3/8	
e1610 1.5AS 5.5KW 2P	65	40	80	60	390	350	360	232	140	975	790	170	450	382	20	4x Φ19 (M16)	119	CJ28/38	1/4	3/8	3/8	
e1610 1.5AS 7.5KW 2P	65	40	80	60	390	350	360	232	140	975	790	170	450	382	20	4x Φ19 (M16)	119	CJ28/38	1/4	3/8	3/8	
e1610 1.5A 5.5KW 2P	65	40	80	60	380	340	360	232	160	950	810	170	470	402	20	4x Φ19 (M16)	120	CJ28/38	1/4	3/8	3/8	
e1610 1.5A 7.5KW 2P	65	40	80	60	380	340	360	232	160	950	810	170	470	402	20	4x Φ19 (M16)	124	CJ28/38	1/4	3/8	3/8	
e1610 1.5A 11KW 2P	65	40	80	60	450	410	360	260	160	1078	910	190	530	430	24	4x Φ19 (M16)	153	CJ38/45	1/4	3/8	3/8	
e1610 1.5B 11KW 2P	65	40	100	60	430	390	360	260	180	1174	910	190	530	450	24	4x Φ19 (M16)	161	CJ38/45	1/4	3/8	3/8	
e1610 1.5B 15KW 2P	65	40	100	60	430	390	360	260	180	1174	910	190	530	450	24	4x Φ19 (M16)	161	CJ38/45	1/4	3/8	3/8	
e1610 1.5B 18.5KW 2P	65	40	100	60	430	390	360	260	180	1204	960	190	580	450	24	4x Φ19 (M16)	193	CJ38/45	1/4	3/8	3/8	
e1610 1.5C 18.5KW 2P	65	40	100	73	440	400	360	280	225	1217	970	205	560	515	24	4x Φ19 (M16)	218	CJ38/45	1/4	3/8	3/8	
e1610 1.5C 22KW 2P	65	40	100	73	470	430	360	280	225	1238	980	205	570	515	26	4x Φ19 (M16)	285	CJ42/55	1/4	3/8	3/8	
e1610 1.5C 30KW 2P	65	40	100	73	520	480	360	310	225	1259	1050	230	590	545	26	4x Φ19 (M16)	368	CJ42/55	1/4	3/8	3/8	
e1610 1.5C 37KW 2P	65	40	100	73	520	480	360	310	225	1259	1050	230	590	545	26	4x Φ19 (M16)	368	CJ42/55	1/4	3/8	3/8	
e1610 2AS 5.5KW 2P	65	50	100	60	380	340	360	232	160	950	810	170	470	402	20	4x Φ19 (M16)	122	CJ28/38	1/4	3/8	3/8	
e1610 2AS 7.5KW 2P	65	50	100	60	380	340	360	232	160	950	810	170	470	402	20	4x Φ19 (M16)	126	CJ28/38	1/4	3/8	3/8	
e1610 2AS 11KW 2P	65	50	100	60	450	410	360	260	160	1098	910	190	530	430	24	4x Φ19 (M16)	153	CJ38/45	1/4	3/8	3/8	
e1610 2A 11KW 2P	65	50	100	60	430	390	360	260	180	1174	910	190	530	450	24	4x Φ19 (M16)	162	CJ38/45	1/4	3/8	3/8	
e1610 2A 15KW 2P	65	50	100	60	430	390	360	260	180	1174	910	190	530	450	24	4x Φ19 (M16)	161	CJ38/45	1/4	3/8	3/8	
e1610 2A 18.5KW 2P	65	50	100	60	430	390	360	260	180	1204	960	190	580	450	24	4x Φ19 (M16)	193	CJ38/45	1/4	3/8	3/8	
e1610 2B 18.5KW 2P	65	50	100	60	430	390	360	260	200	1204	960	190	580	470	24	4x Φ19 (M16)	193	CJ38/45	1/4	3/8	3/8	
e1610 2B 22KW 2P	65	50	100	60	470	430	360	280	200	1204	960	205	550	490	26	4x Φ19 (M16)	267	CJ42/55	1/4	3/8	3/8	
e1610 2B 30KW 2P	65	50	100	60	520	480	360	310	200	1293	1040	230	580	520	26	4x Φ19 (M16)	349	CJ42/55	1/4	3/8	3/8	
e1610 2C 22KW 2P	65	50	100	73	470	430	360	280	225	1238	980	205	570	515	26	4x Φ19 (M16)	286	CJ42/55	1/4	3/8	3/8	
e1610 2C 30KW 2P	65	50	100	73	520	480	360	310	225	1259	1050	230	590	545	26	4x Φ19 (M16)	368	CJ42/55	1/4	3/8	3/8	
e1610 2C 37KW 2P	65	50	100	73	520	480	360	310	225	1259	1050	230	590	545	26	4x Φ19 (M16)	368	CJ42/55	1/4	3/8	3/8	
e1610 2D 55KW 2P	65	50	125	73	650	610	470	405	280	1481	1290	110	1070	695	28	6x Φ19 (M16)	733	CJ48/60	1/4	3/8	3/8	
e1610 2D 75KW 2P	65	50	125	73	710	670	470	405	280	1558	1350	110	1130	695	30	6x Φ19 (M16)	960	CJ55/70	1/4	3/8	3/8	
e1610 2.5AS 7.5KW 2P	80	65	100	73	400	360	360	260	180	963	820	170	480	450	20	4x Φ19 (M16)	137	CJ28/38	1/4	3/8	3/8	
e1610 2.5AS 11KW 2P	80	65	100	73	430	390	360	260	180	1187	930	190	550	450	24	4x Φ19 (M16)	167	CJ38/45	1/4	3/8	3/8	
e1610 2.5A 15KW 2P	80	65	100	73	430	390	360	260	200	1187	930	190	550	470	24	4x Φ19 (M16)	205	CJ38/45	1/4	3/8	3/8	
e1610 2.5A 18.5KW 2P	80	65	100	73	430	390	360	260	200	1217	970	205	560	470	24	4x Φ19 (M16)	218	CJ38/45	1/4	3/8	3/8	
e1610 2.5A 22KW 2P	80	65	100	73	470	430	360	280	200	1204	980	205	570	490	26	4x Φ19 (M16)	285	CJ42/55	1/4	3/8	3/8	
e1610 2.5A 30KW 2P	80	65	100	73	520	480	360	310	200	1293	1050	230	590	520	26	4x Φ19 (M16)	367	CJ42/55	1/4	3/8	3/8	
e1610 2.5B 22KW 2P	80	65	100	73	470	430	360	280	225	1238	980	205	570	515	26	4x Φ19 (M16)	288	CJ42/55	1/4	3/8	3/8	
e1610 2.5B 30KW 2P	80	65	100	73	520	480	360	310	225	1259	1050	230	590	545	26	4x Φ19 (M16)	370	CJ42/55	1/4	3/8	3/8	
e1610 2.5B 37KW 2P	80	65	100	73	520	480	360	310	225	1259	1050	230	590	545	26	4x Φ19 (M16)	368	CJ42/55	1/4	3/8	3/8	
e1610 2.5C 45KW 2P	80	65	100	90	580	540	470	365	250	1401	1210	230	750	625	26	4x Φ19 (M16)	560	CJ42/55	1/4	3/8	3/8	
e1610 2.5C 55KW 2P	80	65	100	90	650	610	470	390	250	1498	1310	270	770	650	28	4x Φ19 (M16)	669	CJ48/60	1/4	3/8	3/8	
e1610 2.5C 75KW 2P	80	65	100	90	730	690	470	420	250	1591	1350	300	750	680	30	4x Φ19 (M16)	959	CJ55/70	1/4	3/8	3/8	
e1610 2.5D 75KW 2P	80	65	125	90	700	660	470	390	280	1575	1360	110	1140	680	30	6x Φ19 (M16)	958	CJ55/70	1/4	3/8	3/8	
e1610 2.5D 90KW 2P	80	65	125	90	700	660	470	390	280	1625	1410	110	1190	680	30	6x Φ19 (M16)	993	CJ55/70	1/4	3/8	3/8	
e1610 2.5D 110KW 2P	80	65	125	90	770	730	470	405	280	1788	1420	110	1200	695	30	6x Φ19 (M16)	992	CJ55/70	1/4	3/8	3/8	

e1610 3.25, 4, 5 Series (Mounted On Base) Demensions And Weights At 60hz,2 Poles



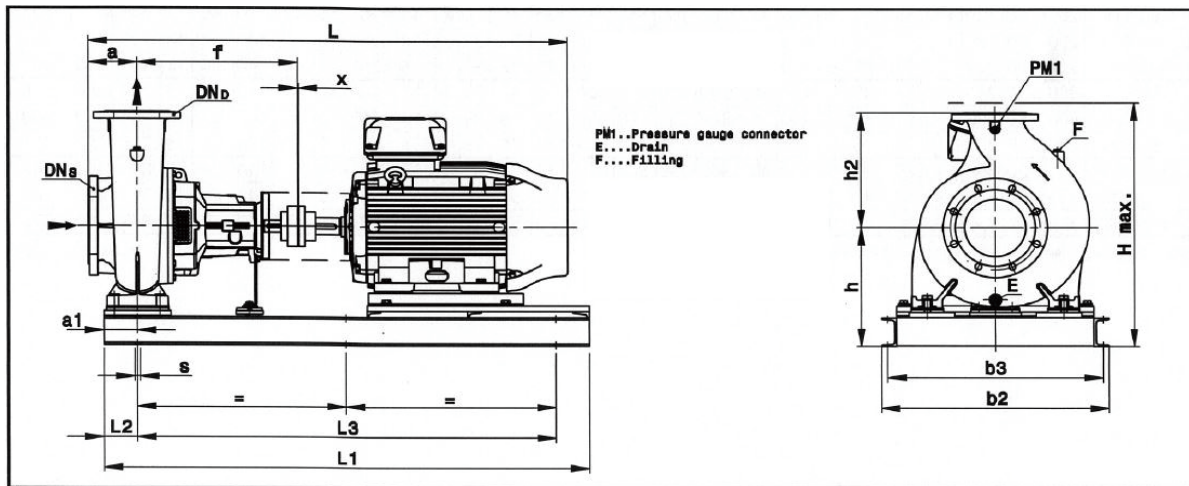
PUMPTYPE	DIMENSIONS (mm)																s	weight	coupling	connections		
	DNS	DND	a	a1	b2	b3	f	h	h2	L	L1	L2	L3	H max	x	FOR SCREWS	kg	type	PM1	E	F	
e1610 3.25A 18.5KW 2P	100	80	125	73	440	400	360	280	225	1217	970	205	560	515	24	4xΦ19(M16)	224	CJ38/45	1/4	3/8	3/8	
e1610 3.25A 22KW 2P	100	80	125	73	470	430	360	280	225	1238	980	205	570	515	26	4xΦ19(M16)	291	CJ42/55	1/4	3/8	3/8	
e1610 3.25A 30KW 2P	100	80	125	73	520	480	360	310	225	1259	1050	230	590	545	26	4xΦ19(M16)	368	CJ42/55	1/4	3/8	3/8	
e1610 3.25A 37KW 2P	100	80	125	73	520	480	360	310	225	1259	1050	230	590	545	26	4xΦ19(M16)	368	CJ42/55	1/4	3/8	3/8	
e1610 3.25B 45KW 2P	100	80	125	73	590	550	470	365	250	1384	1200	230	740	625	26	4xΦ19(M16)	562	CJ42/55	1/4	3/8	3/8	
e1610 3.25B 55KW 2P	100	80	125	73	670	630	470	390	250	1590	1280	270	740	650	28	4xΦ19(M16)	714	CJ48/60	1/4	3/8	3/8	
e1610 3.25B 75KW 2P	100	80	125	73	730	690	470	420	250	1616	1330	300	730	680	30	4xΦ19(M16)	961	CJ55/70	1/4	3/8	3/8	
e1610 3.25C 55KW 2P	100	80	125	90	650	610	470	390	280	1498	1310	270	770	680	28	4xΦ19(M16)	674	CJ48/60	1/4	3/8	3/8	
e1610 3.25C 75KW 2P	100	80	125	90	730	690	470	420	280	1575	1360	300	760	710	30	4xΦ19(M16)	942	CJ55/70	1/4	3/8	3/8	
e1610 4A 30KW 2P	125	100	125	90	520	480	470	330	280	1386	1180	110	960	620	26	6xΦ19(M16)	422	CJ42/55	1/4	3/8	3/8	
e1610 4A 37KW 2P	125	100	125	90	520	480	470	330	280	1386	1180	110	960	620	26	6xΦ19(M16)	422	CJ42/55	1/4	3/8	3/8	
e1610 4A 45KW 2P	125	100	125	90	570	530	470	355	280	1401	1210	110	990	645	26	6xΦ19(M16)	610	CJ42/55	1/4	3/8	3/8	
e1610 4A 55KW 2P	125	100	125	90	660	620	470	405	280	1498	1310	110	1090	695	28	6xΦ19(M16)	735	CJ48/60	1/4	3/8	3/8	
e1610 4B 55KW 2P	125	100	125	90	660	620	470	405	280	1498	1310	110	1090	695	28	6xΦ19(M16)	735	CJ48/60	1/4	3/8	3/8	
e1610 4B 75KW 2P	125	100	125	90	710	670	470	390	280	1616	1350	110	1130	680	30	6xΦ19(M16)	856	CJ55/70	1/4	3/8	3/8	
e1610 4B 90KW 2P	125	100	125	90	710	670	470	390	280	1667	1400	110	1180	680	30	6xΦ19(M16)	936	CJ55/70	1/4	3/8	3/8	
e1610 4B 110KW 2P	125	100	125	90	780	750	470	410	280	1793	1430	110	1210	700	35	6xΦ19(M16)	986	CJ65/75	1/4	3/8	3/8	
e1610 4C 90KW 2P	125	100	140	90	700	660	470	390	280	1625	1410	110	1190	680	30	6xΦ19(M16)	993	CJ55/70	1/4	3/8	3/8	
e1610 4C 110KW 2P	125	100	140	90	770	730	470	405	280	1803	1420	110	1200	695	30	6xΦ19(M16)	992	CJ55/70	1/4	3/8	3/8	
e1610 5B 75KW 2P	150	125	140	90	680	640	470	405	315	1575	1360	110	1140	730	30	6xΦ19(M16)	970	CJ55/70	1/4	3/8	3/8	
e1610 5B 90KW 2P	150	125	140	90	680	640	470	405	315	1625	1410	110	1190	730	30	6xΦ19(M16)	1005	CJ55/70	1/4	3/8	3/8	
e1610 5B 110KW 2P	150	125	140	90	750	720	470	405	315	1808	1430	110	1210	730	35	6xΦ19(M16)	1003	CJ65/75	1/4	3/8	3/8	

e1610 1.25 Series (Mounted On Base) Demensions And Weights At 60hz,4 Poles



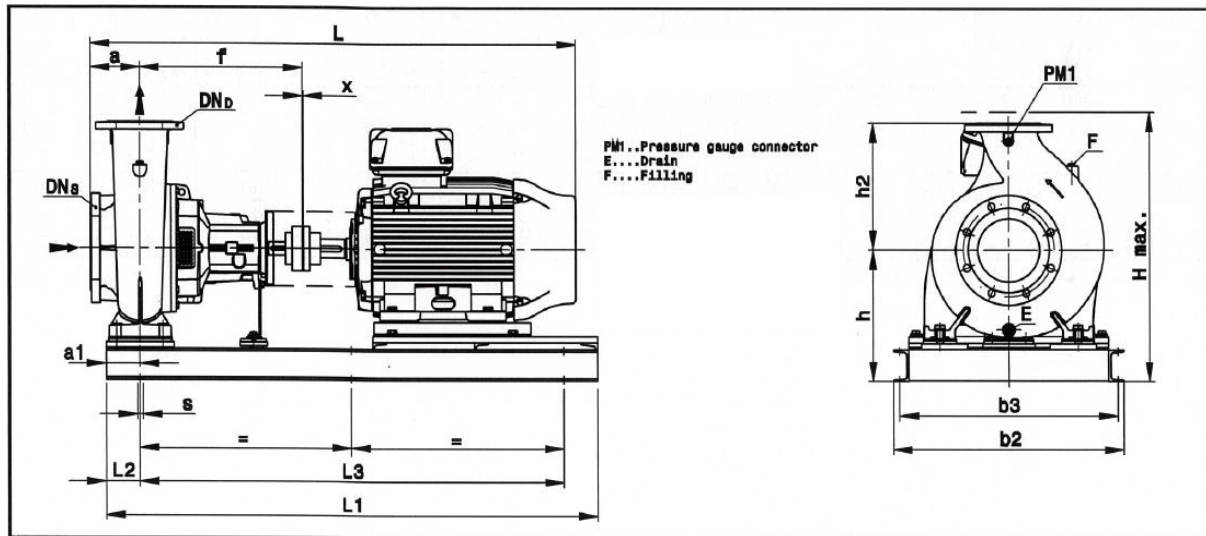
PUMPTYPE	DIMENSIONS (mm)															s	weight	coupling	connections		
	DNS	DND	a	a1	b2	b3	f	h	h2	L	L1	L2	L3	H max	x	FOR SCREWS	kg	type	PM1	E	F
e1610 1.25AS 0.55KW 4P	50	32	80	60	310	270	360	212	140	741	680	130	420	362	16	4x Φ19 (M16)	65	CJ19/24	1/4	3/8	3/8
e1610 1.25AS 0.75KW 4P	50	32	80	60	310	270	360	212	140	741	680	130	420	362	16	4x Φ19 (M16)	65	CJ19/24	1/4	3/8	3/8
e1610 1.25A 0.55KW 4P	50	32	80	60	360	320	360	232	160	741	680	130	420	402	16	4x Φ19 (M16)	66	CJ19/24	1/4	3/8	3/8
e1610 1.25A 0.75KW 4P	50	32	80	60	360	320	360	232	160	741	680	130	420	402	16	4x Φ19 (M16)	66	CJ19/24	1/4	3/8	3/8
e1610 1.25A 1.1KW 4P	50	32	80	60	360	320	360	232	160	796	700	150	400	402	16	4x Φ19 (M16)	79	CJ19/24	1/4	3/8	3/8
e1610 1.25B 1.1KW 4P	50	32	80	60	360	320	360	260	180	796	700	150	400	450	16	4x Φ19 (M16)	85	CJ19/24	1/4	3/8	3/8
e1610 1.25B 1.5KW 4P	50	32	80	60	360	320	360	260	180	849	700	150	400	450	18	4x Φ19 (M16)	90	CJ24/32	1/4	3/8	3/8
e1610 1.25B 2.2KW 4P	50	32	80	60	360	320	360	260	180	873	760	150	460	450	18	4x Φ19 (M16)	92	J24/32	1/4	3/8	3/8
e1610 1.25C 2.2KW 4P	50	32	100	73	440	400	360	280	225	886	770	170	430	515	18	4x Φ19 (M16)	127	CJ24/32	1/4	3/8	3/8
e1610 1.25C 3KW 4P	50	32	100	73	440	400	360	280	225	886	770	170	430	515	18	4x Φ19 (M16)	127	CJ24/32	1/4	3/8	3/8
e1610 1.25C 4KW 4P	50	32	100	73	440	400	360	280	225	891	780	170	440	515	18	4x Φ19 (M16)	153	CJ24/32	1/4	3/8	3/8

e1610 1.5, 2, 2.5 Series (Mounted On Base) Dimensions And Weights At 60hz,4 Poles



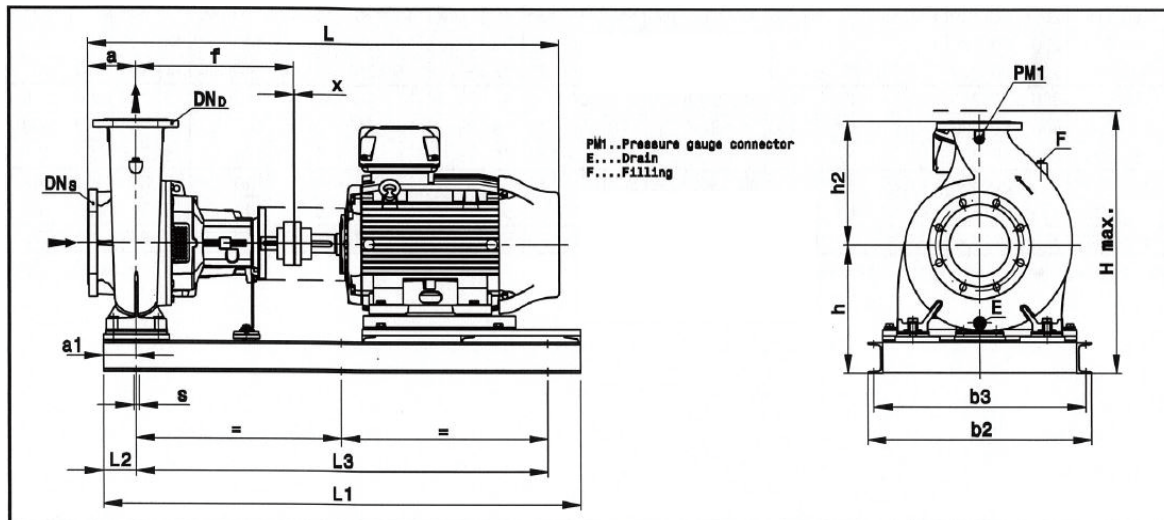
PUMPTYPE	DIMENSIONS (mm)																s	weight	coupling	connections		
	DNS	DND	a	a1	b2	b3	f	h	h2	L	L1	L2	L3	H max	x	FOR SCREWS						
e1610 1.5AS 0.55KW 4P	65	40	80	60	330	290	360	212	140	741	680	130	420	362	16	4xΦ19(M16)	66	CJ19/24	1/4	3/8	3/8	
e1610 1.5AS 0.75KW 4P	65	40	80	60	330	290	360	212	140	741	680	130	420	362	16	4xΦ19(M16)	66	CJ19/24	1/4	3/8	3/8	
e1610 1.5AS 1.1KW 4P	65	40	80	60	330	290	360	212	140	796	700	150	400	362	16	4xΦ19(M16)	76	CJ19/24	1/4	3/8	3/8	
e1610 1.5A 0.75KW 4P	65	40	80	60	360	320	360	232	160	741	680	130	420	402	16	4xΦ19(M16)	70	CJ19/24	1/4	3/8	3/8	
e1610 1.5A 1.1KW 4P	65	40	80	60	360	320	360	232	160	796	700	150	400	402	16	4xΦ19(M16)	79	CJ19/24	1/4	3/8	3/8	
e1610 1.5A 1.5KW 4P	65	40	80	60	360	320	360	232	160	826	710	150	410	402	16	4xΦ19(M16)	78	CJ19/24	1/4	3/8	3/8	
e1610 1.5B 1.5KW 4P	65	40	100	60	390	350	360	260	180	828	710	150	410	450	18	4xΦ19(M16)	92	CJ24/32	1/4	3/8	3/8	
e1610 1.5B 2.2KW 4P	65	40	100	60	390	350	360	260	180	873	760	150	460	450	18	4xΦ19(M16)	104	CJ24/32	1/4	3/8	3/8	
e1610 1.5B 3KW 4P	65	40	100	60	390	350	360	260	180	873	760	150	460	450	18	4xΦ19(M16)	104	CJ24/32	1/4	3/8	3/8	
e1610 1.5C 2.2KW 4P	65	40	100	73	440	400	360	280	225	886	770	170	430	515	18	4xΦ19(M16)	128	CJ24/32	1/4	3/8	3/8	
e1610 1.5C 3KW 4P	65	40	100	73	440	400	360	280	225	886	770	170	430	515	18	4xΦ19(M16)	133	CJ24/32	1/4	3/8	3/8	
e1610 1.5C 4KW 4P	65	40	100	73	440	400	360	280	225	891	780	170	440	515	18	4xΦ19(M16)	153	CJ24/32	1/4	3/8	3/8	
e1610 1.5C 5.5KW 4P	65	40	100	73	440	400	360	280	225	963	820	190	440	515	20	4xΦ19(M16)	157	J28/38	1/4	3/8	3/8	
e1610 2AS 0.75KW 4P	65	50	100	60	360	320	360	232	160	741	680	130	420	402	16	4xΦ19(M16)	72	CJ19/24	1/4	3/8	3/8	
e1610 2AS 1.1KW 4P	65	50	100	60	360	320	360	232	160	796	700	150	400	402	16	4xΦ19(M16)	81	CJ19/24	1/4	3/8	3/8	
e1610 2AS 1.5KW 4P	65	50	100	60	360	320	360	232	160	826	710	150	410	402	16	4xΦ19(M16)	78	CJ19/24	1/4	3/8	3/8	
e1610 2A 1.1KW 4P	65	50	100	60	390	350	360	260	180	796	700	150	400	450	16	4xΦ19(M16)	88	CJ19/24	1/4	3/8	3/8	
e1610 2A 1.5KW 4P	65	50	100	60	390	350	360	260	180	828	710	150	410	450	18	4xΦ19(M16)	93	CJ24/32	1/4	3/8	3/8	
e1610 2A 2.2KW 4P	65	50	100	60	390	350	360	260	180	873	760	150	460	450	18	4xΦ19(M16)	104	CJ24/32	1/4	3/8	3/8	
e1610 2A 3KW 4P	65	50	100	60	390	350	360	260	180	873	760	150	460	450	18	4xΦ19(M16)	104	CJ24/32	1/4	3/8	3/8	
e1610 2B 2.2KW 4P	65	50	100	60	390	350	360	260	200	873	760	150	460	470	18	4xΦ19(M16)	104	CJ24/32	1/4	3/8	3/8	
e1610 2B 3KW 4P	65	50	100	60	390	350	360	260	200	873	760	150	460	470	18	4xΦ19(M16)	104	CJ24/32	1/4	3/8	3/8	
e1610 2B 4KW 4P	65	50	100	60	390	350	360	260	200	926	740	150	440	470	18	4xΦ19(M16)	128	CJ24/32	1/4	3/8	3/8	
e1610 2C 4KW 4P	65	50	100	73	440	400	360	280	225	891	780	170	440	515	18	4xΦ19(M16)	153	CJ24/32	1/4	3/8	3/8	
e1610 2C 5.5KW 4P	65	50	100	73	440	400	360	280	225	963	820	190	440	515	20	4xΦ19(M16)	157	J28/38	1/4	3/8	3/8	
e1610 2C 7.5KW 4P	65	50	100	73	440	400	360	280	225	1040	840	190	460	515	20	4xΦ19(M16)	172	CJ28/38	1/4	3/8	3/8	
e1610 2D 7.5KW 4P	65	50	125	73	500	450	470	385	280	1113	970	110	750	675	20	6xΦ23(M20)	258	CJ28/38	1/4	3/8	3/8	
e1610 2D 11KW 4P	65	50	125	73	490	450	470	365	280	1297	1040	110	820	655	24	6xΦ19(M16)	290	CJ38/45	1/4	3/8	3/8	
e1610 2D 15KW 4P	65	50	125	73	490	450	470	365	280	1293	1080	110	860	655	24	6xΦ19(M16)	338	CJ38/45	1/4	3/8	3/8	
e1610 2.5AS 1.1KW 4P	80	65	100	73	400	360	360	260	180	809	710	150	410	450	16	4xΦ19(M16)	92	CJ19/24	1/4	3/8	3/8	
e1610 2.5AS 1.5KW 4P	80	65	100	73	400	360	360	260	180	841	730	150	430	450	18	4xΦ19(M16)	97	CJ24/32	1/4	3/8	3/8	
e1610 2.5AS 2.2KW 4P	80	65	100	73	400	360	360	260	180	886	770	170	430	450	18	4xΦ19(M16)	128	CJ24/32	1/4	3/8	3/8	
e1610 2.5A 2.2KW 4P	80	65	100	73	400	360	360	260	200	886	770	170	430	470	18	4xΦ19(M16)	128	CJ24/32	1/4	3/8	3/8	
e1610 2.5A 3KW 4P	80	65	100	73	400	360	360	260	200	886	770	170	430	470	18	4xΦ19(M16)	128	CJ24/32	1/4	3/8	3/8	
e1610 2.5A 4KW 4P	80	65	100	73	400	360	360	260	200	891	780	150	480	470	18	4xΦ19(M16)	104	CJ24/32	1/4	3/8	3/8	
e1610 2.5B 3KW 4P	80	65	100	73	440	400	360	280	225	886	770	170	430	515	18	4xΦ19(M16)	142	CJ24/32	1/4	3/8	3/8	
e1610 2.5B 4KW 4P	80	65	100	73	440	400	360	280	225	891	780	170	440	515	18	4xΦ19(M16)	161	CJ24/32	1/4	3/8	3/8	
e1610 2.5B 5.5KW 4P	80	65	100	73	440	400	360	280	225	963	820	190	440	515	20	4xΦ19(M16)	157	J28/38	1/4	3/8	3/8	
e1610 2.5B 7.5KW 4P	80	65	100	73	440	400	360	280	225	1040	840	190	460	515	20	4xΦ19(M16)	172	CJ28/38	1/4	3/8	3/8	
e1610 2.5C 11KW 4P	80	65	100	90	480	440	470	310	250	1208	1050	205	640	570	24	4xΦ19(M16)	255	CJ38/45	1/4	3/8	3/8	
e1610 2.5D 11KW 4P	80	65	125	90	540	500	470	370	280	1314	1050	110	830	660	24	6xΦ19(M16)	298	CJ38/45	1/4	3/8	3/8	
e1610 2.5D 15KW 4P	80	65	125	90	540	500	470	370	280	1344	1100	110	880	660	24	6xΦ19(M16)	342	CJ38/45	1/4	3/8	3/8	
e1610 2.5D 18.5KW 4P	80	65	125	90	560	510	470	385	280	1339	1100	110	880	675	26	6xΦ23(M20)	388	CJ42/55	1/4	3/8	3/8	
e1610 2.5D 22KW 4P	80	65	125	90	560	510	470	385	280	1379	1140	110	920	675	26	6xΦ23(M20)	407	CJ42/55	1/4	3/8	3/8	

e1610 3.25, 4, 5 Series (Mounted On Base) Dimensions And Weights At 60hz,4poles



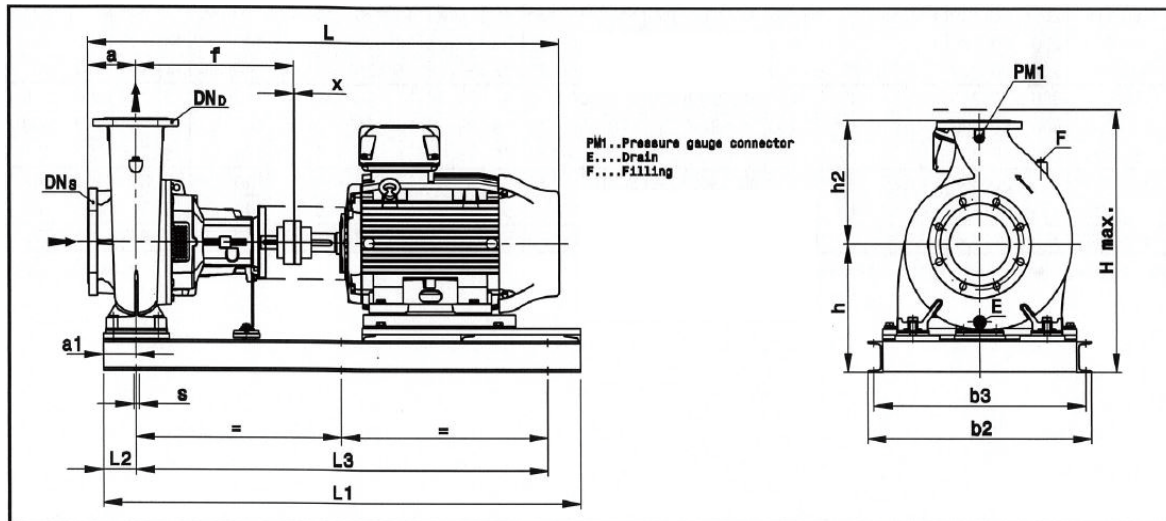
PUMPTYPE	DIMENSIONS (mm)																	s	weight	coupling	connections		
	DN5	DND	a	a1	b2	b3	f	h	h2	L	L1	L2	L3	H max	x	FOR SCREWS	kg	type			PM1	E	F
e1610 3.25A 2.2KW 4P	100	80	125	73	440	400	360	280	225	886	770	170	430	515	18	4xΦ19 (M16)	140	CJ24/32	1/4	3/8	3/8		
e1610 3.25A 3KW 4P	100	80	125	73	440	400	360	280	225	886	770	170	430	515	18	4xΦ19 (M16)	145	CJ24/32	1/4	3/8	3/8		
e1610 3.25A 4KW 4P	100	80	125	73	440	400	360	280	225	891	780	170	440	515	18	4xΦ19 (M16)	153	CJ24/32	1/4	3/8	3/8		
e1610 3.25A 5.5KW 4P	100	80	125	73	440	400	360	280	225	963	820	190	440	515	20	4xΦ19 (M16)	157	J28/38	1/4	3/8	3/8		
e1610 3.25B 5.5KW 4P	100	80	125	73	470	430	470	280	250	1073	930	190	550	540	20	4xΦ19 (M16)	191	CJ28/38	1/4	3/8	3/8		
e1610 3.25B 7.5KW 4P	100	80	125	73	470	430	470	280	250	1175	950	190	570	540	20	4xΦ19 (M16)	195	CJ28/38	1/4	3/8	3/8		
e1610 3.25B 11KW 4P	100	80	125	73	470	430	470	280	250	1233	1030	205	620	540	24	4xΦ19 (M16)	256	CJ38/45	1/4	3/8	3/8		
e1610 3.25C 7.5KW 4P	100	80	125	90	520	480	470	310	280	1130	980	205	570	600	20	4xΦ19 (M16)	204	CJ28/38	1/4	3/8	3/8		
e1610 3.25C 11KW 4P	100	80	125	90	520	480	470	310	280	1314	1050	205	640	600	24	4xΦ19 (M16)	259	CJ38/45	1/4	3/8	3/8		
e1610 3.25C 15KW 4P	100	80	125	90	520	480	470	310	280	1293	1100	205	690	600	24	4xΦ19 (M16)	264	CJ38/45	1/4	3/8	3/8		
e1610 3.25D 30KW 4P	100	80	125	90	520	480	470	355	315	1428	1180	110	960	680	26	6xΦ19 (M16)	480	CJ42/55	1/4	3/8	3/8		
e1610 3.25D 37KW 4P	100	80	125	90	580	530	470	405	315	1468	1210	110	990	730	28	6xΦ23 (M20)	650	CJ48/60	1/4	3/8	3/8		
e1610 3.25E 55KW 4P	100	80	125	90	650	600	530	440	355	1652	1360	110	1140	805	30	6xΦ23 (M20)	259	CJ55/70	1/4	3/8	3/8		
e1610 3.25E 75KW 4P	100	80	125	90	680	640	530	425	355	1681	1410	110	1190	790	35	6xΦ19 (M16)	800	CJ65/75	1/4	3/8	3/8		
e1610 4A 4KW 4P	125	100	125	90	520	470	470	365	280	1024	910	110	690	655	24	6xΦ23 (M20)	241	CJ38/45	1/4	3/8	3/8		
e1610 4A 5.5KW 4P	125	100	125	90	530	480	470	385	280	1090	950	110	730	675	20	6xΦ23 (M20)	261	CJ28/38	1/4	3/8	3/8		
e1610 4A 7.5KW 4P	125	100	125	90	530	480	470	385	280	1130	980	110	760	675	20	6xΦ23 (M20)	261	CJ28/38	1/4	3/8	3/8		
e1610 4B 5.5KW 4P	125	100	125	90	530	480	470	385	280	1090	950	110	730	675	20	6xΦ23 (M20)	261	CJ28/38	1/4	3/8	3/8		
e1610 4B 7.5KW 4P	125	100	125	90	530	480	470	385	280	1130	980	110	760	675	20	6xΦ23 (M20)	261	CJ28/38	1/4	3/8	3/8		
e1610 4B 11KW 4P	125	100	125	90	520	470	470	365	280	1314	1050	110	830	655	24	6xΦ23 (M20)	304	CJ38/45	1/4	3/8	3/8		
e1610 4B 15KW 4P	125	100	125	90	520	470	470	365	280	1344	1100	110	880	655	24	6xΦ23 (M20)	312	CJ38/45	1/4	3/8	3/8		
e1610 4C 11KW 4P	125	100	140	90	540	500	470	370	280	1314	1050	110	830	660	24	6xΦ19 (M16)	298	CJ38/45	1/4	3/8	3/8		
e1610 4C 15KW 4P	125	100	140	90	540	500	470	370	280	1344	1100	110	880	660	24	6xΦ19 (M16)	342	CJ38/45	1/4	3/8	3/8		
e1610 4C 18.5KW 4P	125	100	140	90	560	510	470	385	280	1354	1100	110	880	675	26	6xΦ23 (M20)	388	CJ42/55	1/4	3/8	3/8		
e1610 4D 22KW 4P	125	100	140	90	530	490	470	385	315	1376	1150	110	930	710	26	6xΦ19 (M16)	428	CJ42/55	1/4	3/8	3/8		
e1610 4D 30KW 4P	125	100	140	90	520	480	470	355	315	1386	1180	110	960	680	26	6xΦ19 (M16)	454	CJ42/55	1/4	3/8	3/8		
e1610 4D 37KW 4P	125	100	140	90	580	540	470	405	315	1483	1210	110	990	730	28	6xΦ19 (M16)	632	CJ48/60	1/4	3/8	3/8		
e1610 4D 45KW 4P	125	100	140	90	550	510	470	355	315	1401	1210	110	990	680	26	6xΦ19 (M16)	617	CJ42/55	1/4	3/8	3/8		
e1610 4E 45KW 4P	125	100	140	110	640	600	530	415	355	1515	1330	110	1110	780	30	6xΦ19 (M16)	757	CJ55/70	1/4	3/8	3/8		
e1610 4E 55KW 4P	125	100	140	110	660	610	530	440	355	1667	1380	110	1160	805	30	6xΦ23 (M20)	791	CJ55/70	1/4	3/8	3/8		
e1610 4E 75KW 4P	125	100	140	110	680	640	530	425	355	1696	1430	110	1210	790	35	6xΦ19 (M16)	957	CJ65/75	1/4	3/8	3/8		
e1610 5B 7.5KW 4P	150	125	140	90	540	500	470	385	315	1130	980	110	760	710	20	6xΦ19 (M16)	268	CJ28/38	1/4	3/8	3/8		
e1610 5B 11KW 4P	150	125	140	90	520	480	470	365	315	1314	1050	110	830	690	24	6xΦ19 (M16)	306	CJ38/45	1/4	3/8	3/8		
e1610 5B 15KW 4P	150	125	140	90	520	480	470	365	315	1344	1100	110	880	690	24	6xΦ19 (M16)	351	CJ38/45	1/4	3/8	3/8		
e1610 5B 18.5KW 4P	150	125	140	90	530	490	470	385	315	1365	1110	110	890	710	26	6xΦ19 (M16)	410	CJ42/55	1/4	3/8	3/8		
e1610 5C 15KW 4P	150	125	140	90	520	480	470	365	355	1344	1100	110	880	730	24	6xΦ19 (M16)	351	CJ38/45	1/4	3/8	3/8		
e1610 5C 18.5KW 4P	150	125	140	90	530	490	470	385	355	1365	1110	110	890	750	26	6xΦ19 (M16)	410	CJ42/55	1/4	3/8	3/8		
e1610 5C 22KW 4P	150	125	140	90	530	490	470	385	355	1376	1150	110	930	750	26	6xΦ19 (M16)	428	CJ42/55	1/4	3/8	3/8		
e1610 5C 30KW 4P	150	125	140	90	520	480	470	355	355	1386	1180	110	960	720	26	6xΦ19 (M16)	454	CJ42/55	1/4	3/8	3/8		
e1610 5D 30KW 4P	150	125	140	110	640	600	530	425	355	1466	1260	110	1040	790	26	6xΦ19 (M16)	543	CJ42/55	1/4	3/8	3/8		
e1610 5D 37KW 4P	150	125	140	110	640	600	530	415	355	1490	1300	110	1080	780	30	6xΦ19 (M16)	729	CJ55/70	1/4	3/8	3/8		
e1610 5D 45KW 4P	150	125	140	110	640	600	530	415	355	1515	1330	110	1110	780	30	6xΦ19 (M16)	757	CJ55/70	1/4	3/8	3/8		
e1610 5D 55KW 4P	150	125	140	110	660	610	530	440	355	1667	1380	110	1160	805	30	6xΦ23 (M20)	791	CJ55/70	1/4	3/8	3/8		
e1610 5D 75KW 4P	150	125	140	110	700	650	530	440	355	1696	1430	110	1210	805	35	6xΦ23 (M20)	942	CJ65/75	1/4	3/8	3/8		
e1610 5E 55KW 4P	150	125	140	110	630	590	530	440	400	1585	1400	110	1180	850	35	6xΦ19 (M16)	865	CJ65/75	1/4	3/8	3/8		
e1610 5E 75KW 4P	150	125	140	110	670	630	530	440	400	1665	1450	110	1230	850	40	6xΦ19 (M16)	1075	CJ75/90	1/4	3/8	3/8		
e1610 5E 90KW 4P	150	125	140	110	670	630	530	440	400	1747	1480	110	1260	850	35	6xΦ19 (M16)	1046	CJ65/75	1/4	3/8	3/8		
e1610 5E 110KW 4P	150	125	140	110	740	700	530	440	400	1903	1540	110	1320	850	40	6xΦ19 (M16)	1146	CJ75/90	1/4	3/8	3/8		

e1610 6 Series (Mounted On Base) Dimensions And Weights At 60hz,4poles



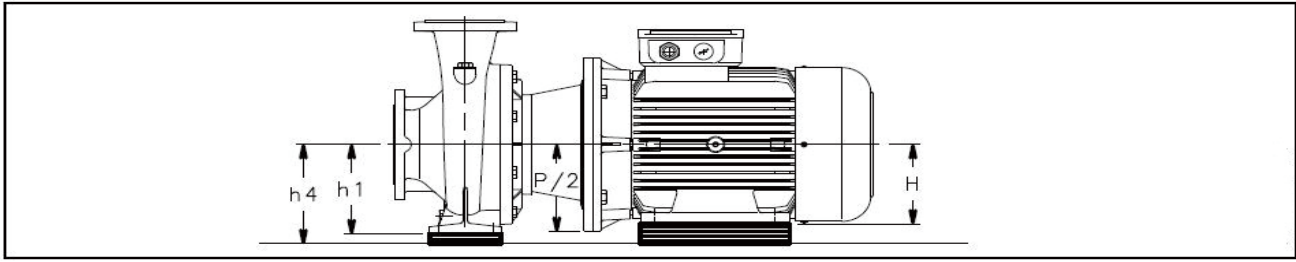
PUMPTYPE	DIMENSIONS (mm)																S	weight	coupling	connections		
	DNS	DND	a	a1	b2	b3	f	h	h2	L	L1	L2	L3	H max	x	FOR SCREWS	kg			type	PM1	E
e1610 6B 15KW 4P	200	150	160	110	670	630	470	385	400	1364	1120	110	900	795	24	6xΦ19 (M16)	402	CJ38/45	1/4	3/8	3/8	
e1610 6B 18.5KW 4P	200	150	160	110	670	630	470	385	400	1374	1120	110	900	795	26	6xΦ19 (M16)	438	CJ42/55	1/4	3/8	3/8	
e1610 6B 22KW 4P	200	150	160	110	670	630	470	385	400	1414	1160	110	940	795	26	6xΦ19 (M16)	455	CJ42/55	1/4	3/8	3/8	
e1610 6C 22KW 4P	200	150	160	110	630	590	530	400	400	1456	1230	110	1010	810	26	6xΦ19 (M16)	490	CJ42/55	1/4	3/8	3/8	
e1610 6C 30KW 4P	200	150	160	110	640	600	530	425	400	1466	1260	110	1040	835	26	6xΦ19 (M16)	545	CJ42/55	1/4	3/8	3/8	
e1610 6C 37KW 4P	200	150	160	110	640	600	530	415	400	1490	1300	110	1080	825	30	6xΦ19 (M16)	729	CJ55/70	1/4	3/8	3/8	
e1610 6C 45KW 4P	200	150	160	110	640	600	530	415	400	1515	1330	110	1110	825	30	6xΦ19 (M16)	757	CJ55/70	1/4	3/8	3/8	
e1610 6D 45KW 4P	200	150	160	110	680	640	530	415	400	1515	1330	110	1110	825	30	6xΦ19 (M16)	765	CJ55/70	1/4	3/8	3/8	
e1610 6D 55KW 4P	200	150	160	110	710	660	530	440	400	1692	1380	110	1160	850	35	6xΦ23 (M20)	799	CJ65/75	1/4	3/8	3/8	
e1610 6D 75KW 4P	200	150	160	110	710	660	530	440	400	1716	1430	110	1210	850	35	6xΦ23 (M20)	976	CJ65/75	1/4	3/8	3/8	
e1610 6D 90KW 4P	200	150	160	110	710	660	530	440	400	1767	1480	110	1260	850	35	6xΦ23 (M20)	1046	CJ65/75	1/4	3/8	3/8	
e1610 6E 75KW 4P	200	150	160	110	680	640	530	440	450	1665	1450	110	1230	900	40	6xΦ19 (M16)	1103	CJ75/90	1/4	3/8	3/8	
e1610 6E 90KW 4P	200	150	160	110	680	640	530	440	450	1715	1500	110	1280	900	40	6xΦ19 (M16)	1151	CJ75/90	1/4	3/8	3/8	
e1610 6E 110KW 4P	200	150	160	110	760	720	530	440	450	1895	1560	110	1340	900	40	6xΦ19 (M16)	1258	CJ75/90	1/4	3/8	3/8	
e1610 6H 160KW 4P	200	150	180	160	880	830	770	585	500	2300	1970	165	1640	1095	45	6xΦ23 (M20)	1820	CJ90/100	1/4	3/8	3/8	
e1610 6H 200KW 4P	200	150	180	160	880	830	770	585	500	2300	1970	165	1640	1095	45	6xΦ23 (M20)	2005	CJ90/100	1/4	3/8	3/8	
e1610 6H 220KW 4P	200	150	180	160	900	850	770	585	500	2515	2086	165	1756	1095	45	6xΦ23 (M20)	2103	CJ90/100	1/4	3/8	3/8	
e1610 6H 250KW 4P	200	150	180	160	900	850	770	585	500	2515	2086	165	1756	1095	45	6xΦ23 (M20)	2103	CJ90/100	1/4	3/8	3/8	
e1610 6H 280KW 4P	200	150	180	160	920	860	770	625	500	2515	2100	165	1770	1135	45	6xΦ28 (M24)	2520	CJ90/100	1/4	3/8	3/8	
e1610 6H 315KW 4P	200	150	180	160	920	860	770	625	500	2515	2100	165	1770	1135	45	6xΦ28 (M24)	2520	CJ90/100	1/4	3/8	3/8	

e1610 8,10,12 Series (Mounted On Base) Dimensions And Weights At 60hz,4 Poles



PUMPTYPE	DIMENSIONS (mm)															s	weight	coupling	connections		
	DNS	DND	a	a1	b2	b3	f	h	h2	L	L1	L2	L3	H max	x	FOR SCREWS	kg	type	PM1	E	F
e1610 8C 30KW 4P	250	200	180	110	680	640	530	460	475	1466	1260	110	1040	945	26	6xΦ19(M16)	588	CJ42/55	1/2	1/2	/
e1610 8C 37KW 4P	250	200	180	110	680	640	530	480	475	1490	1300	110	1080	965	30	6xΦ19(M16)	791	CJ55/70	1/2	1/2	/
e1610 8C 45KW 4P	250	200	180	110	680	640	530	480	475	1515	1330	110	1110	965	30	6xΦ19(M16)	819	CJ55/70	1/2	1/2	/
e1610 8C 55KW 4P	250	200	180	110	680	640	530	480	475	1585	1400	110	1180	965	35	6xΦ19(M16)	904	CJ65/75	1/2	1/2	/
e1610 8D 55KW 4P	250	200	180	110	680	640	530	480	450	1585	1400	110	1180	940	35	6xΦ19(M16)	904	CJ65/75	1/2	1/2	/
e1610 8D 75KW 4P	250	200	180	110	680	640	530	480	450	1665	1450	110	1230	940	40	6xΦ19(M16)	1113	CJ75/90	1/2	1/2	/
e1610 8D 90KW 4P	250	200	180	110	680	640	530	480	450	1787	1480	110	1260	940	35	6xΦ19(M16)	1085	CJ65/75	1/2	1/2	/
e1610 8D 110KW 4P	250	200	180	110	740	700	530	480	450	1943	1540	110	1320	940	40	6xΦ19(M16)	1185	CJ75/90	1/2	1/2	/
e1610 8E 110KW 4P	250	200	180	160	880	830	770	585	500	2185	1850	165	1520	1095	40	6xΦ23(M20)	1633	CJ75/90	1/2	1/2	/
e1610 8E 132KW 4P	250	200	180	160	880	830	770	585	500	2295	1960	165	1630	1095	40	6xΦ23(M20)	1718	CJ75/90	1/2	1/2	/
e1610 8E 160KW 4P	250	200	180	160	880	830	770	585	500	2300	1970	165	1640	1095	45	6xΦ23(M20)	1820	CJ90/100	1/2	1/2	/
e1610 8E 200KW 4P	250	200	180	160	880	830	770	585	500	2300	1970	165	1640	1095	45	6xΦ23(M20)	1820	CJ90/100	1/2	1/2	/
e1610 8E 220KW 4P	250	200	180	160	900	850	770	585	500	2515	2086	165	1756	1095	45	6xΦ23(M20)	2103	CJ90/100	1/2	1/2	/
e1610 8E 250KW 4P	250	200	180	160	900	850	770	585	500	2515	2086	165	1756	1095	45	6xΦ23(M20)	2103	CJ90/100	1/2	1/2	/
e1610 8H 220KW 4P	250	200	200	160	890	840	770	635	560	2505	2090	165	1760	1205	45	6xΦ23(M20)	2214	CJ90/100	1/2	1/2	/
e1610 8H 250KW 4P	250	200	200	160	890	840	770	635	560	2505	2090	165	1760	1205	45	6xΦ23(M20)	2214	CJ90/100	1/2	1/2	/
e1610 8H 280KW 4P	250	200	200	160	910	850	770	675	560	2505	2100	165	1770	1245	45	6xΦ28(M24)	2553	CJ90/100	1/2	1/2	/
e1610 8H 315KW 4P	250	200	200	160	910	850	770	675	560	2505	2100	165	1770	1245	45	6xΦ28(M24)	2553	CJ90/100	1/2	1/2	/
e1610 8H 355KW 4P	250	200	200	160	970	910	770	675	560	2650	2250	165	1920	1245	45	6xΦ28(M24)	2930	CJ90/100	1/2	1/2	/
e1610 10D 75KW 4P	300	250	250	160	840	800	530	525	500	1715	1500	165	1170	1035	40	6xΦ19(M16)	1227	CJ75/90	1/2	1/2	/
e1610 10D 90KW 4P	300	250	250	160	840	800	530	525	500	1857	1530	165	1200	1035	35	6xΦ19(M16)	1198	CJ65/75	1/2	1/2	/
e1610 10D 110KW 4P	300	250	250	160	840	800	530	525	500	2013	1590	165	1260	1035	40	6xΦ19(M16)	1298	CJ75/90	1/2	1/2	/
e1610 10E 132KW 4P	300	250	200	160	880	830	770	585	560	2295	1960	165	1630	1155	40	6xΦ23(M20)	1755	CJ75/90	1/2	1/2	/
e1610 10E 160KW 4P	300	250	200	160	880	830	770	585	560	2300	1970	165	1640	1155	45	6xΦ23(M20)	1812	CJ90/100	1/2	1/2	/
e1610 10E 200KW 4P	300	250	200	160	880	830	770	585	560	2300	1970	165	1640	1155	45	6xΦ23(M20)	1997	CJ90/100	1/2	1/2	/
e1610 10E 220KW 4P	300	250	200	160	900	850	770	585	560	2535	2086	165	1756	1155	45	6xΦ23(M20)	2103	CJ90/100	1/2	1/2	/
e1610 10E 250KW 4P	300	250	200	160	900	850	770	585	560	2535	2086	165	1756	1155	45	6xΦ23(M20)	2103	CJ90/100	1/2	1/2	/
e1610 10E 280KW 4P	300	250	200	160	920	860	770	625	560	2535	2100	165	1770	1195	45	6xΦ28(M24)	2520	CJ90/100	1/2	1/2	/
e1610 10E 315KW 4P	300	250	200	160	920	860	770	625	560	2535	2100	165	1770	1195	45	6xΦ28(M24)	2520	CJ90/100	1/2	1/2	/
e1610 10H 280KW 4P	300	250	200	160	910	850	770	675	670	2505	2100	165	1770	1355	45	6xΦ28(M24)	2604	CJ90/100	1/2	1/2	/
e1610 10H 315KW 4P	300	250	200	160	910	850	770	675	670	2505	2100	165	1770	1355	45	6xΦ28(M24)	2604	CJ90/100	1/2	1/2	/
e1610 10H 355KW 4P	300	250	200	160	970	910	770	675	670	2650	2250	165	1920	1355	45	6xΦ28(M24)	2710	CJ90/100	1/2	1/2	/
e1610 10H 400KW 4P	300	250	200	160	970	910	770	675	670	2650	2250	165	1920	1355	45	6xΦ28(M24)	2930	CJ90/100	1/2	1/2	/
e1610 12D 110KW 4P	350	300	250	185	970	920	800	640	600	2240	1900	200	1500	1250	40	6xΦ23(M20)	1871	CJ75/90	1/2	1/2	/
e1610 12D 132KW 4P	350	300	250	185	970	920	800	640	600	2350	2020	200	1620	1250	40	6xΦ23(M20)	1960	CJ75/90	1/2	1/2	/
e1610 12D 160KW 4P	350	300	250	185	970	920	800	640	600	2355	2030	200	1630	1250	45	6xΦ23(M20)	2017	CJ90/100	1/2	1/2	/
e1610 12D 200KW 4P	350	300	250	185	970	920	800	640	600	2355	2030	200	1630	1250	45	6xΦ23(M20)	2017	CJ90/100	1/2	1/2	/
e1610 12E 200KW 4P	350	300	250	185	970	920	800	640	600	2355	2030	200	1630	1250	45	6xΦ23(M20)	2201	CJ90/100	1/2	1/2	/
e1610 12E 220KW 4P	350	300	250	185	970	920	800	640	600	2560	2140	200	1740	1250	45	6xΦ23(M20)	2396	CJ90/100	1/2	1/2	/
e1610 12E 250KW 4P	350	300	250	185	970	920	800	640	600	2560	2140	200	1740	1250	45	6xΦ23(M20)	2396	CJ90/100	1/2	1/2	/
e1610 12E 280KW 4P	350	300	250	185	990	930	800	680	600	2615	2160	200	1760	1290	45	6xΦ28(M24)	2694	CJ90/100	1/2	1/2	/
e1610 12E 315KW 4P	350	300	250	185	990	930	800	680	600	2615	2160	200	1760	1290	45	6xΦ28(M24)	2694	CJ90/100	1/2	1/2	/
e1610 12E 355KW 4P	350	300	250	185	990	930	800	680	600	2730	2310	200	1910	1290	45	6xΦ28(M24)	2822	CJ90/100	1/2	1/2	/
e1610 12E 400KW 4P	350	300	250	185	990	930	800	680	600	2730	2310	200	1910	1290	45	6xΦ28(M24)	3043	CJ90/100	1/2	1/2	/

e1631 1.25-3.25 Series,2 Poles 60 Hz Shim For Pump And Motor Feet

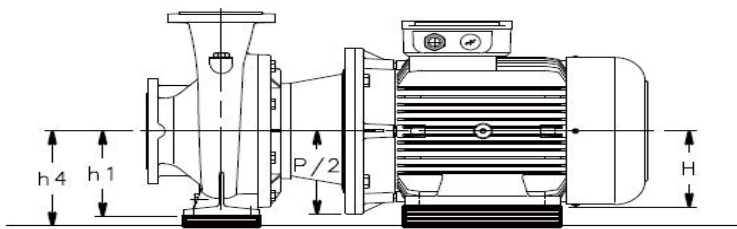


PUMP TYPE	DIMENSIONS(mm)				SHIM *	
e1631..2	PUMP	MOTOR			CODE	
	h1	P/2	H	h4	PUMP	Motor
e1631 1.25AS 1.5KW 2P	112	100	-	112	-	-
e1631 1.25AS 2.2KW 2P	112	100	-	112	-	-
e1631 1.25AS 3KW 2P	112	125	-	132	2 x 161403210	-
e1631 1.25AS 4KW 2P	112	125	-	132	2 x 161403210	-
e1631 1.25A 4KW 2P	132	125	-	125	-	-
e1631 1.25A 5.5KW 2P	132	150	-	160	2 x 161403210	-
					2 x 161407550	
e1631 1.25A 7.5KW 2P	132	150	-	160	2 x 161403210	-
					2 x 161407550	
e1631 1.25A 11KWA 2P	132	175	160	180	4 x 161403210 2 x 161407550	2 x 161407670
e1631 1.25B 7.5KW 2P	160	150	-	160	-	-
e1631 1.25B 11KWA 2P	160	175	160	180	2 x 161403210	2 x 161407670
e1631 1.25B 11KW 2P	180	175	160	180	2 x 161403210	2 x 161407670
e1631 1.25C 11KW 2P	180	175	160	180	-	2 x 161407670
e1631 1.25C 15KW 2P	180	175	160	180	-	2 x 161407670
e1631 1.25C 18.5KW 2P	180	175	160	180	-	2 x 161407670
e1631 1.25C 22KW 2P	180	175	160	180	-	2 x 161407670
e1631 1.5AS 3KW 2P	112	125	-	132	2 x 161403210	-
e1631 1.5AS 4KW 2P	112	125	-	132	2 x 161403210	-
e1631 1.5AS 5.5KW 2P	112	150	-	160	4 x 161403210	-
					2 x 161407550	
e1631 1.5AS 7.5KW 2P	112	150	-	160	4 x 161403210	-
					2 x 161407550	
e1631 1.5A 5.5KW 2P	132	150	-	160	2 x 161403210	-
					2 x 161407550	
e1631 1.5A 7.5KW 2P	132	150	-	160	2 x 161403210	-
					2 x 161407550	
e1631 1.5A 11KWA 2P	132	175	160	180	4 x 161403210	2 x 161407670
					2 x 161407550	
e1631 1.5A 11KW 2P	132	175	160	180	4 x 161403210	2 x 161407670
					2 x 161407550	
e1631 1.5B 11KWA 2P	160	175	160	180	2 x 161403210	2 x 161407670
e1631 1.5B 11KW 2P	160	175	160	180	2 x 161403210	2 x 161407670
e1631 1.5B 15KW 2P	160	175	160	180	2 x 161403210	2 x 161407670
e1631 1.5B 18.5KW 2P	160	175	160	180	2 x 161403210	2 x 161407670
e1631 1.5C 18.5KW 2P	180	175	160	180	-	2 x 161407670
e1631 1.5C 22KW 2P	180	175	160	180	-	2 x 161407670
e1631 1.5C 30KW 2P	180	200	200	200	2 x 161403230	-
e1631 1.5C 37KW 2P	180	200	200	200	2 x 161403230	-
e1631 2AS 5.5KW 2P	132	150	-	160	2 x 161403210	-
					2 x 161407550	
e1631 2AS 7.5KW 2P	132	150	-	160	2 x 161403210	-
					2 x 161407550	
e1631 2AS 11KWA 2P	132	175	160	180	4 x 161403210	2 x 161407670
					2 x 161407550	
e1631 2AS 11KW 2P	132	175	160	180	4 x 161403210	2 x 161407670
					2 x 161407550	
e1631 2A 11KWA 2P	160	175	160	180	2 x 161403210	2 x 161407670
e1631 2A 11KW 2P	160	175	160	180	2 x 161403210	2 x 161407670
e1631 2A 15KW 2P	160	175	160	180	2 x 161403210	2 x 161407670
e1631 2A 18.5KW 2P	160	175	160	180	2 x 161403210	2 x 161407670
e1631 2B 18.5KW 2P	160	175	160	180	2 x 161403210	2 x 161407670
e1631 2B 22KW 2P	160	175	160	180	2 x 161403210	2 x 161407670
e1631 2B 30KW 2P	160	200	200	200	4 x 161403230	-

[illegible]

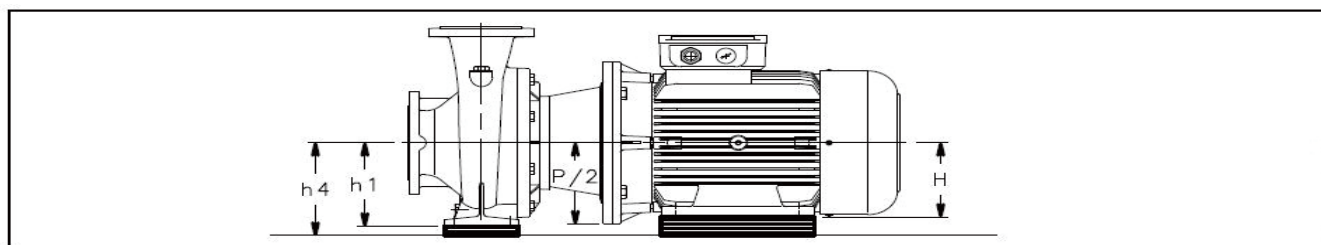
* On request

e1631 4-5 Series,2 Poles 60 Hz Shim For Pump And Motor Feet

[illegible]

* On request

e1631 1.25-3.25 Series,4 Poles 60 Hz Shim For Pump And Motor Feet



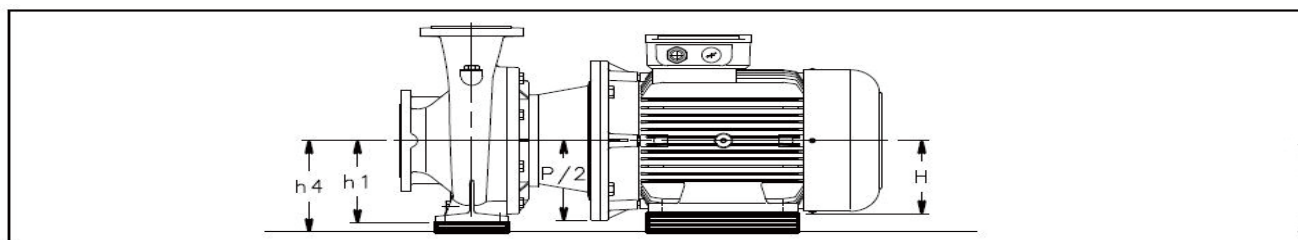
PUMP TYPE	DIMENSIONS(mm)				SHIM *	
e1631..4	PUMP	MOTOR			CODE	
	h1	P/2	H	h4	PUMP	Motor
e1631 1.25AS 0.55KW 4P	112	100	-	112	-	-
e1631 1.25AS 0.75KW 4P	112	100	-	112	-	-
e1631 1.25A 0.55KWA 4P	132	100	-	132	-	-
e1631 1.25A 0.75KW 4P	132	100	-	132	-	-
e1631 1.25A 1.1KW 4P	132	100	-	132	-	-
e1631 1.25B 1.1KW 4P	160	100	-	160	-	-
e1631 1.25B 1.5KW 4P	160	100	-	160	-	-
e1631 1.25B 2.2KW 4P	160	100	-	160	-	-
e1631 1.25C 2.2KW 4P	180	125	-	180	-	-
e1631 1.25C 3KWA 4P	180	125	-	180	-	-
e1631 1.25C 3KW 4P	180	125	-	180	-	-
e1631 1.25C 4KW 4P	180	125	-	180	-	-
e1631 1.5AS 0.55KW 4P	112	100	-	112	-	-
e1631 1.5AS 0.75KWA 4P	112	100	-	112	-	-
e1631 1.5AS 0.75KW 4P	112	100	-	112	-	-
e1631 1.5A 0.75KW 4P	132	100	-	132	-	-
e1631 1.5A 1.1KW 4P	132	100	-	132	-	-
e1631 1.5A 1.5KWA 4P	132	100	-	132	-	-
e1631 1.5A 1.5KW 4P	132	100	-	132	-	-
e1631 1.5B 1.5KW 4P	160	100	-	160	-	-
e1631 1.5B 2.2KW 4P	160	125	-	160	-	-
e1631 1.5B 3KW 4P	160	125	-	160	-	-
e1631 1.5C 2.2KW 4P	180	125	-	180	-	-
e1631 1.5C 3KW 4P	180	125	-	180	-	-
e1631 1.5C 4KW 4P	180	125	-	180	-	-
e1631 1.5C 5.5KW 4P	180	150	-	180	-	-
e1631 2AS 0.75KW 4P	132	100	-	132	-	-
e1631 2AS 1.1KWA 4P	132	100	-	132	-	-
e1631 2AS 1.1KW 4P	132	100	-	132	-	-
e1631 2AS 1.5KW 4P	132	100	-	132	-	-
e1631 2A 1.1KW 4P	160	100	-	160	-	-
e1631 2A 1.5KW 4P	160	100	-	160	-	-
e1631 2A 2.2KW 4P	160	125	-	160	-	-
e1631 2A 3KW 4P	160	125	-	160	-	-
e1631 2B 2.2KW 4P	160	125	-	160	-	-
e1631 2B 3KWA 4P	160	125	-	160	-	-
e1631 2B 3KW 4P	160	125	-	160	-	-
e1631 2B 4KW 4P	160	125	-	160	-	-
e1631 2C 4KW 4P	180	125	-	180	-	-
e1631 2C 5.5KW 4P	180	150	-	180	-	-
e1631 2C 7.5KW 4P	180	150	-	180	-	-
e1631 2D 7.5KW 4P	225	150	-	225	-	-
e1631 2D 11KW 4P	225	175	160	225	-	1 x 743760350▲
e1631 2D 15KW 4P	225	175	160	225	-	1 x 743760350▲

PUMP TYPE	DIMENSIONS(mm)				SHIM *	
e1631..4	PUMP	MOTOR			CODE	
	h1	P/2	H	h4	PUMP	Motor
e1631 2.5AS 1.1KWA 4P	160	100	-	160	-	-
e1631 2.5AS 1.1KW 4P	160	100	-	160	-	-
e1631 2.5AS 1.5KW 4P	160	100	-	160	-	-
e1631 2.5AS 2.2KW 4P	160	125	-	160	-	-
e1631 2.5A 2.2KWA 4P	160	125	-	160	-	-
e1631 2.5A 2.2KW 4P	160	125	-	160	-	-
e1631 2.5A 3KW 4P	160	125	-	160	-	-
e1631 2.5A 4KW 4P	160	125	-	160	-	-
e1631 2.5B 3KW 4P	180	125	-	180	-	-
e1631 2.5B 4KW 4P	180	125	-	180	-	-
e1631 2.5B 5.5KWA 4P	180	150	-	180	-	-
e1631 2.5B 5.5KW 4P	180	150	-	180	-	-
e1631 2.5B 7.5KW 4P	180	150	-	180	-	-
e1631 2.5C 11KWA 4P	200	175	160	200	-	4 x 161407670
e1631 2.5C 11KW 4P	200	175	160	200	-	4 x 161407670
e1631 2.5D 11KW 4P	225	175	160	225	-	1 x 743760350▲
e1631 2.5D 15KW 4P	225	175	160	225	-	1 x 743760350▲
e1631 2.5D 18.5KW 4P	225	175	180	225	-	2 x 768082180
						4 x 161407590
e1631 2.5D 22KW 4P	225	175	180	225	-	2 x 768082180
						4 x 161407590
e1631 3.25A 2.2KW 4P	180	125	-	180	-	-
e1631 3.25A 3KW 4P	180	125	-	180	-	-
e1631 3.25A 4KW 4P	180	125	-	180	-	-
e1631 3.25A 5.5KW 4P	180	150	-	180	-	-
e1631 3.25B 5.5KW 4P	180	150	-	180	-	-
e1631 3.25B 7.5KW 4P	180	150	-	180	-	-
e1631 3.25B 11KW 4P	180	175	-	180	-	-
e1631 3.25C 7.5KW 4P	200	150	-	200	-	-
e1631 3.25C 11KWA 4P	200	175	160	200	-	4 x 161407670
e1631 3.25C 11KW 4P	200	175	160	200	-	4 x 161407670
e1631 3.25C 15KW 4P	200	175	160	200	-	4 x 161407670
e1631 3.25D 15KW 4P	250	175	160	250	-	1 x 743760360▲
e1631 3.25D 18.5KW 4P	250	175	180	250	-	1 x 743760290▲
e1631 3.25D 22KW 4P	250	175	180	250	-	1 x 743760290▲
e1631 3.25D 30KW 4P	250	200	200	250	-	1 x 743760220▲
e1631 3.25E 37KW 4P	280	225	225	280	-	1 x 743760170▲
e1631 3.25E 45KW 4P	280	225	225	280	-	1 x 743760170▲
e1631 3.25E 55KW 4P	280	275	250	280	-	2 x 161407990
e1631 3.25E 75KW 4P	280	275	280	280	-	

* On request

▲ Support basekit

e1631 4-8 Series,4 Poles 60 Hz Shim For Pump And Motor Feet



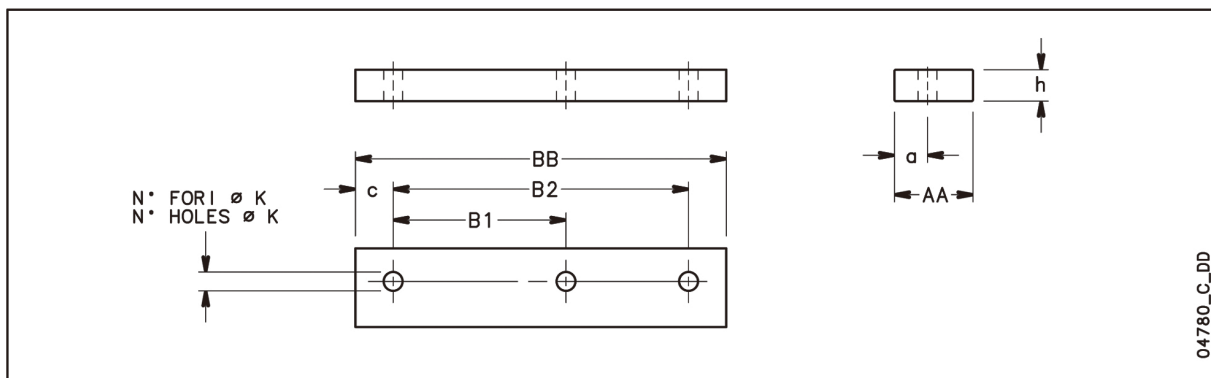
PUMP TYPE	DIMENSIONS(mm)				SHIM *	
e1631..4	PUMP	MOTOR			CODE	
	h1	P/2	H	h4	PUMP	Motor
e1631 4A 4KW 4P	200	125	-	200	-	-
e1631 4A 5.5KW 4P	200	150	-	200	-	-
e1631 4A 7.5KW 4P	200	150	-	200	-	-
e1631 4B 5.5KW 4P	200	150	-	200	-	-
e1631 4B 7.5KW 4P	200	150	-	200	-	-
e1631 4B 11KW 4P	200	175	160	200	-	4 x 161407670
e1631 4B 15KW 4P	200	175	160	200	-	4 x 161407670
e1631 4C 11KW 4P	225	175	160	225	-	1 x 743760350▲
e1631 4C 15KW 4P	225	175	160	225	-	1 x 743760350▲
e1631 4C 18.5KW 4P	225	175	180	225	-	2 x 768082180
						4 x 161407590
e1631 4D 22KW 4P	250	175	180	250	-	1 x 743760290▲
e1631 4D 30KW 4P	250	200	200	250	-	1 x 743760220▲
e1631 4E 45KW 4P	280	225	225	280	-	1 x 743760170▲
e1631 4E 55KW 4P	280	275	250	280	-	2x 161407990
e1631 4E 75KW 4P	280	275	280	280	-	-
e1631 5B 7.5KW 4P	250	150	-	250	-	-
e1631 5B 11KW 4P	250	175	160	250	-	1 x 743760360▲
e1631 5B 15KW 4P	250	175	160	250	-	1 x 743760360▲
e1631 5B 18.5KW 4P	250	200	160	250	-	1 x 743760290▲
e1631 5C 15KW 4P	250	175	160	250	-	1 x 743760360▲
e1631 5C 18.5KW 4P	250	175	180	250	-	1 x 743760290▲
e1631 5C 22KW 4P	250	175	180	250	-	1 x 743760290▲
e1631 5C 30KW 4P	250	200	200	250	-	1 x 743760220▲
e1631 5D 30KW 4P	280	200	200	280	-	1 x 743760230▲
e1631 5D 37KW 4P	280	225	225	280	-	1 x 743760170▲
e1631 5D 45KW 4P	280	225	225	280	-	1 x 743760170▲
e1631 5D 55KW 4P	280	275	250	280	-	2 x 161407990
e1631 5D 75KW 4P	280	275	280	280	-	-
e1631 5E 55KW 4P	315	275	250	315	-	1 x 743760130▲
e1631 5E 75KW 4P	315	275	280	315	-	2 x 768082130
e1631 5E 90KW 4P	315	275	280	315	-	2 x 768082130
e1631 6B 15KW 4P	280	175	160	280	-	1 x 743760370▲
e1631 6B 18.5KW 4P	280	175	180	280	-	1 x 743760300▲
e1631 6B 22KW 4P	280	175	180	280	-	1 x 743760300▲
e1631 6B 30KW 4P	280	200	200	280	-	1 x 743760230▲
e1631 6C 22KW 4P	280	175	180	280	-	1 x 743760300▲
e1631 6C 30KW 4P	280	200	200	280	-	1 x 743760230▲
e1631 6C 37KW 4P	280	225	225	280	-	1 x 743760170▲
e1631 6C 45KW 4P	280	225	225	280	-	1 x 743760170▲
e1631 6D 45KW 4P	280	225	225	280	-	1 x 743760170▲
e1631 6D 55KW 4P	280	275	250	280	-	2 x 161407990

[illegible]

* On request

▲ Support basekit

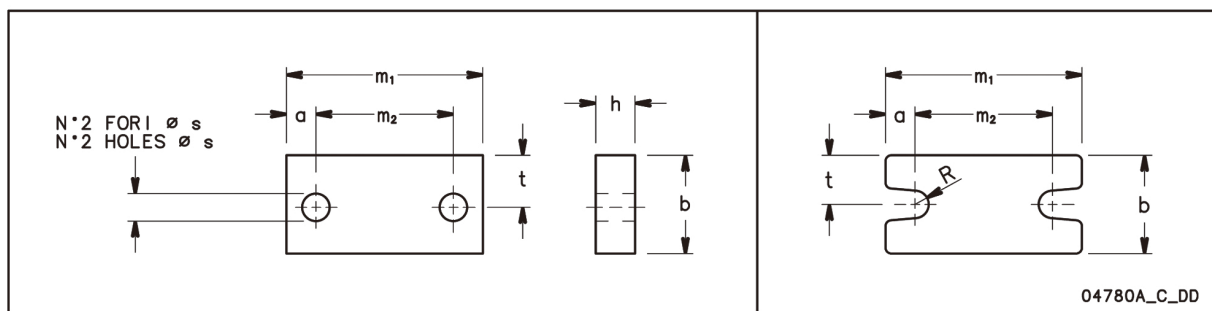
Shim For Motor Feet



CODE	DENOMINATION					DIMENSIONS (mm)				HOLES	
	AA	x	h	x	BB	a	B1	B2	c	N°	Ø K
161402570	35		20		125	17	100	-	12,5	2	10
161402320	40		10		155	20	100	125	15	3	10
161402340	40		12		155	20	100	125	15	3	10
161402360	40		12		180	17	140	-	20	2	14
161402380	40		20		180	17	140	-	20	2	14
161402400	40		30		155	20	100	125	15	3	10
161402420	40		40		180	17	140	-	20	2	14
161402440	50		8		226	21	140	178	24	3	14
161402460	50		20		226	21	140	178	24	3	14
161407670	50		20		304	25	210	254	25	3	14
161407690	50		30		304	25	210	254	25	3	14
768082180	80		5		332	35,5	241	279	26,5	3	14
768082190	80		10		332	35,5	241	279	26,5	3	14
161407590	80		20		332	35,5	241	279	26,5	3	14
768082110	80		25		370	33,5	305	-	32,5	2	19
768082120	80		25		412	40	286	311	50,5	3	19
161407990	100		30		467	50	311	349	59	3	22
768082130	100		35		517	50	368	419	49	3	24

sp-mot-nscs-nscf-en_d_id

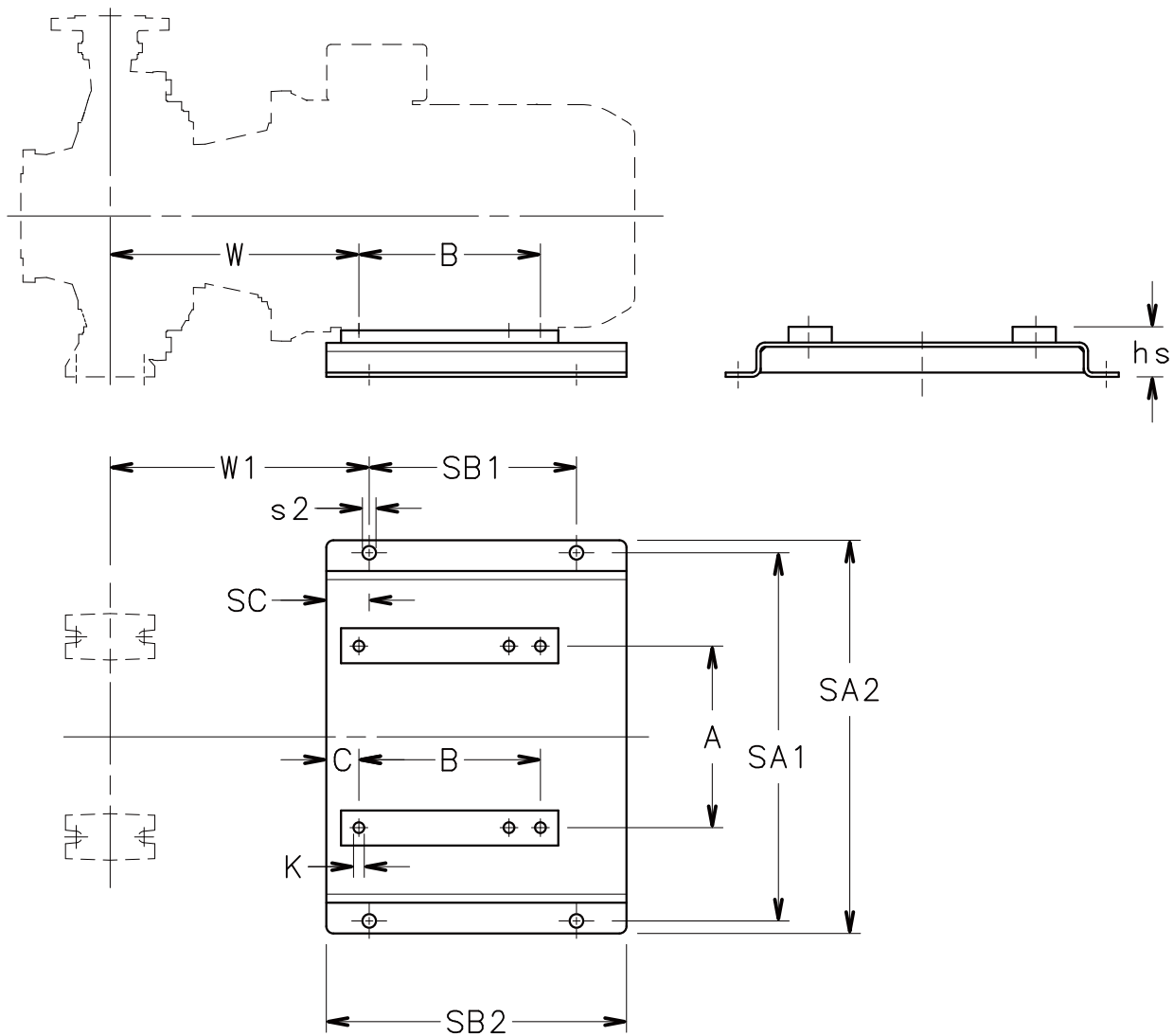
Shim For Pump Feet



CODE	DIMENSIONS (mm)									
	DENOMINATION									
	b	x	h	x	m ₁	a	m ₂	ø s	R	t
161407770	40		10		160	25	110	14	-	16,5
161403250	40		20		160	25	110	14	-	16,5
161404360	40		25		160	25	110	14	-	16,5
161407780	40		30		160	25	110	14	-	16,5
161407550	50		8		100	15	70	14	-	26,5
161403210	50		20		100	15	70	14	-	26,5
161403230	70		20		125	15	95	14	-	37,5
161407570	70		25		125	15	95	14	-	37,5
161407790	80		10		160	20	120	18	-	42,5
161404380	80		25		160	20	120	18	-	42,5
161407800	80		30		160	20	120	18	-	42,5
768003140	85		10		160	32,5	95 / 120	-	9	42,5
768003150	85		15		160	32,5	95 / 120	-	9	42,5
768003170	85		30		160	32,5	95 / 120	-	9	42,5
768003180	85		45		160	32,5	95 / 120	-	9	42,5
768003190	85		50		160	32,5	95 / 120	-	9	42,5

sp-pompa-nscf-en_d_id

e1631 Support Base Kit (60 Hz)



NSCS-SUPBASE_A_SC

e1631 Support Base Kit (60 Hz)

CODE	PUMP TYPE	DIMENSIONS(mm)											
KIT	e1631..4	B	C	hs	K	W	W1	SA1	SA2	SB1	SB2	SC	s2
743760350	e1631 2D 11KW 4P	210	32.5	65	14.5	348	375.5	515	550	290	420	60	19
743760350	e1631 2D 15KW 4P	254	32.5	65	14.5	348	375.5	515	550	290	420	60	19
743760350	e1631 2.5D 11KW 4P	210	32.5	65	14.5	348	375.5	515	550	290	420	60	19
743760350	e1631 2.5D 15KW 4P	254	32.5	65	14.5	348	375.5	515	550	290	420	60	19
743760360	e1631 3.25D 15KW 4P	254	32.5	90	14.5	348	375.5	515	550	290	420	60	19
743760290	e1631 3.25D 18.5KW 4P	241	45.5	70	14.5	361	375.5	515	550	290	420	60	19
743760290	e1631 3.25D 22KW 4P	279	45.5	70	14.5	361	375.5	515	550	290	420	60	19
743760220	e1631 3.25D 30KW 4P	305	57.5	50	18.5	379	381.5	515	550	290	420	60	19
743760170	e1631 3.25E 37KW 4P	286/311	60	55	18.5	433	433	605	640	392	510	60	19
743760170	e1631 3.25E 45KW 4P	286/311	60	55	18.5	433	433	605	640	392	510	60	19
743760350	e1631 4C 11KW 4P	210	32.5	65	14.5	348	375.5	515	550	290	420	60	19
743760350	e1631 4C 15KW 4P	254	32.5	65	14.5	348	375.5	515	550	290	420	60	19
743760290	e1631 4D 22KW 4P	279	45.5	70	14.5	361	375.5	515	550	290	420	60	19
743760220	e1631 4D 30KW 4P	305	57.5	50	18.5	379	381.5	515	550	290	420	60	19
743760170	e1631 4E 45KW 4P	286/311	60	55	18.5	433	433	605	640	392	510	60	19
743760360	e1631 5B 11KW 4P	210	32.5	90	14.5	348	375.5	515	550	290	420	60	19
743760360	e1631 5B 15KW 4P	254	32.5	90	14.5	348	375.5	515	550	290	420	60	19
743760290	e1631 5B 18.5KW 4P	241	45.5	70	14.5	361	375.5	515	550	290	420	60	19
743760360	e1631 5C 15KW 4P	254	32.5	90	14.5	348	375.5	515	550	290	420	60	19
743760290	e1631 5C 18.5KW 4P	241	45.5	70	14.5	361	375.5	515	550	290	420	60	19
743760290	e1631 5C 22KW 4P	279	45.5	70	14.5	361	375.5	515	550	290	420	60	19
743760220	e1631 5C 30KW 4P	305	57.5	50	18.5	379	381.5	515	550	290	420	60	19
743760230	e1631 5D 30KW 4P	305	57.5	80	18.5	387	389.5	515	550	290	420	60	19
743760170	e1631 5D 37KW 4P	286/311	60	55	18.5	433	433	605	640	392	510	60	19
743760170	e1631 5D 45KW 4P	286/311	60	55	18.5	433	433	605	640	392	510	60	19
743760130	e1631 5E 55KW 4P	349	79	65	24	452	433	605	640	392	510	60	19
743760370	e1631 6B 15KW 4P	254	32.5	120	14.5	348	375.5	515	550	290	420	60	19
743760300	e1631 6B 18.5KW 4P	241	45.5	100	14.5	375	389.5	515	550	290	420	60	19
743760300	e1631 6B 22KW 4P	279	45.5	100	14.5	375	389.5	515	550	290	420	60	19
743760230	e1631 6B 30KW 4P	305	57.5	80	18.5	387	389.5	515	550	290	420	60	19
743760300	e1631 6C 22KW 4P	279	45.5	100	14.5	375	389.5	515	550	290	420	60	19
743760230	e1631 6C 30KW 4P	305	57.5	80	18.5	387	389.5	515	550	290	420	60	19
743760170	e1631 6C 37KW 4P	286/311	60	55	18.5	433	433	605	640	392	510	60	19
743760170	e1631 6C 45KW 4P	286/311	60	55	18.5	433	433	605	640	392	510	60	19
743760170	e1631 6D 45KW 4P	286/311	60	55	18.5	433	433	605	640	392	510	60	19
743760250	e1631 8C 30KW 4P	305	57.5	155	18.5	387	389.5	515	550	290	420	60	19
743760190	e1631 8C 37KW 4P	286/311	60	130	18.5	433	433	605	640	392	510	60	19
743760190	e1631 8C 45KW 4P	286/311	60	130	18.5	433	433	605	640	392	510	60	19
743760140	e1631 8C 55KW 4P	349	79	105	24	452	433	605	640	392	510	60	19
743760140	e1631 8D 55KW 4P	349	79	105	24	452	433	605	640	392	510	60	19
743760100	e1631 8D 75KW 4P	368/419	70.5	75	24	474	473.5	655	690	420	560	70	19
743760100	e1631 8D 90KW 4P	368/419	70.5	75	24	474	473.5	655	690	420	560	70	19

Technical Appendix

Vapour Pressure Ps And Density ρ Of Water Table

t ° C	T K	ps bar	ρ kg/dm ³	t ° C	T K	ps bar	ρ kg/dm ³	t ° C	T K	ps bar	ρ kg/dm ³
0	273,15	0,00611	0,9998	55	328,15	0,15741	0,9857	120	393,15	1,9854	0,9429
1	274,15	0,00657	0,9999	56	329,15	0,16511	0,9852	122	395,15	2,1145	0,9412
2	275,15	0,00706	0,9999	57	330,15	0,17313	0,9846	124	397,15	2,2504	0,9396
3	276,15	0,00758	0,9999	58	331,15	0,18147	0,9842	126	399,15	2,3933	0,9379
4	277,15	0,00813	1,0000	59	332,15	0,19016	0,9837	128	401,15	2,5435	0,9362
5	278,15	0,00872	1,0000	60	333,15	0,1992	0,9832	130	403,15	2,7013	0,9346
6	279,15	0,00935	1,0000	61	334,15	0,2086	0,9826	132	405,15	2,867	0,9328
7	280,15	0,01001	0,9999	62	335,15	0,2184	0,9821	134	407,15	3,041	0,9311
8	281,15	0,01072	0,9999	63	336,15	0,2286	0,9816	136	409,15	3,223	0,9294
9	282,15	0,01147	0,9998	64	337,15	0,2391	0,9811	138	411,15	3,414	0,9276
10	283,15	0,01227	0,9997	65	338,15	0,2501	0,9805	140	413,15	3,614	0,9258
11	284,15	0,01312	0,9997	66	339,15	0,2615	0,9799	145	418,15	4,155	0,9214
12	285,15	0,01401	0,9996	67	340,15	0,2733	0,9793	155	428,15	5,433	0,9121
13	286,15	0,01497	0,9994	68	341,15	0,2856	0,9788	160	433,15	6,181	0,9073
14	287,15	0,01597	0,9993	69	342,15	0,2984	0,9782	165	438,15	7,008	0,9024
15	288,15	0,01704	0,9992	70	343,15	0,3116	0,9777	170	433,15	7,920	0,8973
16	289,15	0,01817	0,9990	71	344,15	0,3253	0,9770	175	448,15	8,924	0,8921
17	290,15	0,01936	0,9988	72	345,15	0,3396	0,9765	180	453,15	10,027	0,8869
18	291,15	0,02062	0,9987	73	346,15	0,3543	0,9760	185	458,15	11,233	0,8815
19	292,15	0,02196	0,9985	74	347,15	0,3696	0,9753	190	463,15	12,551	0,8760
20	293,15	0,02337	0,9983	75	348,15	0,3855	0,9748	195	468,15	13,987	0,8704
21	294,15	0,024850	0,9981	76	349,15	0,4019	0,9741	200	473,15	15,550	0,8647
22	295,15	0,02642	0,9978	77	350,15	0,4189	0,9735	205	478,15	17,243	0,8588
23	296,15	0,02808	0,9976	78	351,15	0,4365	0,9729	210	483,15	19,077	0,8528
24	297,15	0,02982	0,9974	79	352,15	0,4547	0,9723	215	488,15	21,060	0,8467
25	298,15	0,03166	0,9971	80	353,15	0,4736	0,9716	220	493,15	23,198	0,8403
26	299,15	0,03360	0,9968	81	354,15	0,4931	0,9710	225	498,15	25,501	0,8339
27	300,15	0,03564	0,9966	82	355,15	0,5133	0,9704	230	503,15	27,976	0,8273
28	301,15	0,03778	0,9963	83	356,15	0,5342	0,9697	235	508,15	30,632	0,8205
29	302,15	0,04004	0,9960	84	357,15	0,5557	0,9691	240	513,15	33,478	0,8136
30	303,15	0,04241	0,9957	85	358,15	0,5780	0,9684	245	518,15	36,523	0,8065
31	304,15	0,04491	0,9954	86	359,15	0,6011	0,9678	250	523,15	39,776	0,7992
32	305,15	0,04753	0,9951	87	360,15	0,6249	0,9671	255	528,15	43,246	0,7916
33	306,15	0,05029	0,9947	88	361,15	0,6495	0,9665	260	533,15	46,943	0,7839
34	307,15	0,05318	0,9944	89	362,15	0,6749	0,9658	265	538,15	50,877	0,7759
35	308,15	0,05622	0,9940	90	363,15	0,7011	0,9652	270	543,15	55,058	0,7678
36	309,15	0,05940	0,9937	91	364,15	0,7281	0,9644	275	548,15	59,496	0,7593
37	310,15	0,06274	0,9933	92	365,15	0,7561	0,9638	280	553,15	64,202	0,7505
38	311,15	0,06624	0,9930	93	366,15	0,7849	0,9630	285	558,15	69,186	0,7415
39	312,15	0,06991	0,9927	94	367,15	0,8146	0,9624	290	563,15	74,461	0,7321
40	313,15	0,07375	0,9923	95	368,15	0,8453	0,9616	295	568,15	80,037	0,7223
41	314,15	0,07777	0,9919	96	369,15	0,8769	0,9610	300	573,15	85,927	0,7122
42	315,15	0,08198	0,9915	97	370,15	0,9094	0,9602	305	578,15	92,144	0,7017
43	316,15	0,09639	0,9911	98	371,15	0,9430	0,9596	310	583,15	98,70	0,6906
44	317,15	0,09100	0,9907	99	372,15	0,9776	0,9586	315	588,15	105,61	0,6791
45	318,15	0,09582	0,9902	100	373,15	1,0133	0,9581	320	593,15	112,89	0,6669
46	319,15	0,10086	0,9898	102	375,15	1,0878	0,9567	325	598,15	120,56	0,6541
47	320,15	0,10612	0,9894	104	377,15	1,1668	0,9552	330	603,15	128,63	0,6404
48	321,15	0,11162	0,9889	106	379,15	1,2504	0,9537	340	613,15	146,05	0,6102
49	322,15	0,11736	0,9884	108	381,15	1,3390	0,9522	350	623,15	165,35	0,5743
50	323,15	0,12335	0,9880	110	383,15	1,4327	0,9507	360	633,15	186,75	0,5275
51	324,15	0,12961	0,9876	112	385,15	1,5316	0,9491	370	643,15	210,54	0,4518
52	325,15	0,13613	0,9871	114	387,15	1,6362	0,9476	374,15	647,30	221,20	0,3154
53	326,15	0,14293	0,9862	116	389,15	1,7465	0,9460				
54	327,15	0,15002	0,9862	118	391,15	1,8628	0,9445				

G-at_npsh_b_sc

Table Of Flow Resistance In 100 M Of Straight Cast Iron Pipeline (Hazen-williams Formula C=100)

FLOW RATE		NOMINAL DIAMETER in mm and inches																	
m ³ /h	l/min		15	20	25	32	40	50	65	80	100	125	150	175	200	250	300	350	400
			1/2"	3/4"	1"	1 1/4"	1 1/2"	2	2 1/2"	3"	4"	5"	6"	7"	8"	10"	12"	14"	16"
0,6	10	v	0,94	0,53	0,34	0,21	0,13			The hr values must be multiplied by: 0,71 for galvanized or painted steel pipes 0,54 for stainless steel or copper pipes 0,47 for PVC or PE pipes									
		hr	16	3,94	1,33	0,40	0,13												
0,9	15	v	1,42	0,80	0,51	0,31	0,20												
		hr	33,9	8,35	2,82	0,85	0,29												
1,2	20	v	1,89	1,06	0,68	0,41	0,27	0,17											
		hr	57,7	14,21	4,79	1,44	0,49	0,16											
1,5	25	v	2,36	1,33	0,85	0,52	0,33	0,21											
		hr	87,2	21,5	7,24	2,18	0,73	0,25											
1,8	30	v	2,83	1,59	1,02	0,62	0,40	0,25											
		hr	122	30,1	10,1	3,05	1,03	0,35											
2,1	35	v	3,30	1,86	1,19	0,73	0,46	0,30											
		hr	162	40,0	13,5	4,06	1,37	0,46											
2,4	40	v		2,12	1,36	0,83	0,53	0,34	0,20										
		hr		51,2	17,3	5,19	1,75	0,59	0,16										
3	50	v		2,65	1,70	1,04	0,66	0,42	0,25										
		hr		77,4	26,1	7,85	2,65	0,89	0,25										
3,6	60	v		3,18	2,04	1,24	0,80	0,51	0,30										
		hr		108	36,6	11,0	3,71	1,25	0,35										
4,2	70	v		3,72	2,38	1,45	0,93	0,59	0,35										
		hr		144	48,7	14,6	4,93	1,66	0,46										
4,8	80	v		4,25	2,72	1,66	1,06	0,68	0,40										
		hr		185	62,3	18,7	6,32	2,13	0,59										
5,4	90	v			3,06	1,87	1,19	0,76	0,45	0,30									
		hr			77,5	23,3	7,85	2,65	0,74	0,27									
6	100	v			3,40	2,07	1,33	0,85	0,50	0,33									
		hr			94,1	28,3	9,54	3,22	0,90	0,33									
7,5	125	v			4,25	2,59	1,66	1,06	0,63	0,41									
		hr			142	42,8	14,4	4,86	1,36	0,49									
9	150	v				3,11	1,99	1,27	0,75	0,50	0,32								
		hr				59,9	20,2	6,82	1,90	0,69	0,23								
10,5	175	v				3,63	2,32	1,49	0,88	0,58	0,37								
		hr				79,7	26,9	9,07	2,53	0,92	0,31								
12	200	v				4,15	2,65	1,70	1,01	0,66	0,42								
		hr				102	34,4	11,6	3,23	1,18	0,40								
15	250	v				5,18	3,32	2,12	1,26	0,83	0,53	0,34							
		hr				154	52,0	17,5	4,89	1,78	0,60	0,20							
18	300	v					3,98	2,55	1,51	1,00	0,64	0,41							
		hr					72,8	24,6	6,85	2,49	0,84	0,28							
24	400	v					5,31	3,40	2,01	1,33	0,85	0,54	0,38						
		hr					124	41,8	11,66	4,24	1,43	0,48	0,20						
30	500	v					6,63	4,25	2,51	1,66	1,06	0,68	0,47						
		hr					187	63,2	17,6	6,41	2,16	0,73	0,30						
36	600	v						5,10	3,02	1,99	1,27	0,82	0,57	0,42					
		hr						88,6	24,7	8,98	3,03	1,02	0,42	0,20					
42	700	v						5,94	3,52	2,32	1,49	0,95	0,66	0,49					
		hr						118	32,8	11,9	4,03	1,36	0,56	0,26					
48	800	v						6,79	4,02	2,65	1,70	1,09	0,75	0,55					
		hr						151	42,0	15,3	5,16	1,74	0,72	0,34					
54	900	v						7,64	4,52	2,99	1,91	1,22	0,85	0,62					
		hr						188	52,3	19,0	6,41	2,16	0,89	0,42					
60	1000	v							5,03	3,32	2,12	1,36	0,94	0,69	0,53				
		hr							63,5	23,1	7,79	2,63	1,08	0,51	0,27				
75	1250	v							6,28	4,15	2,65	1,70	1,18	0,87	0,66				
		hr							96,0	34,9	11,8	3,97	1,63	0,77	0,40				
90	1500	v							7,54	4,98	3,18	2,04	1,42	1,04	0,80				
		hr							134	48,9	16,5	5,57	2,29	1,08	0,56				
105	1750	v							8,79	5,81	3,72	2,38	1,65	1,21	0,93				
		hr							179	65,1	21,9	7,40	3,05	1,44	0,75				
120	2000	v								6,63	4,25	2,72	1,89	1,39	1,06	0,68			
		hr								83,3	28,1	9,48	3,90	1,84	0,96	0,32			
150	2500	v								8,29	5,31	3,40	2,36	1,73	1,33	0,85			
		hr								126	42,5	14,3	5,89	2,78	1,45	0,49			
180	3000	v									6,37	4,08	2,83	2,08	1,59	1,02	0,71		
		hr									59,5	20,1	8,26	3,90	2,03	0,69	0,28		
210	3500	v									7,43	4,76	3,30	2,43	1,86	1,19	0,83		
		hr									79,1	26,7	11,0	5,18	2,71	0,91	0,38		
240	4000	v									8,49	5,44	3,77	2,77	2,12	1,36	0,94		
		hr									101	34,2	14,1	6,64	3,46	1,17	0,48		
300	5000	v										6,79	4,72	3,47	2,65	1,70	1,18		
		hr										51,6	21,2	10,0	5,23	1,77	0,73		
360	6000	v										8,15	5,66	4,16	3,18	2,04	1,42		
		hr										72,3	29,8	14,1	7,33	2,47	1,02		
420	7000	v											6,61	4,85	3,72	2,38	1,65	1,21	
		hr											39,6	18,7	9,75	3,29	1,35	0,64	
480	8000	v											7,55	5,55	4,25	2,72	1,89	1,39	
		hr											50,7	23,9	12,49	4,21	1,73	0,82	
540	9000	v											8,49	6,24	4,78	3,06	2,12	1,56	1,19
		hr											63,0	29,8	15,5	5,24	2,16	1,02	0,53
600	10000	v												6,93	5,31	3,40	2,36	1,73	1,33
		hr												36,2	18,9	6,36	2,62	1,24	0,65

G-at-pct-en_a_th

hr = flow resistance for 100 m of straight pipeline (m)

V = water speed (m/s)

Flow Resistance Table Of Flow Resistance In Bends, Valves And Gates

The flow resistance is calculated using the equivalent pipeline length method according to the table below:

ACCESSORY TYPE	DN											
	25	32	40	50	65	80	100	125	150	200	250	300
	Equivalent pipeline length (m)											
45° bend	0,2	0,2	0,4	0,4	0,6	0,6	0,9	1,1	1,5	1,9	2,4	2,8
90° bend	0,4	0,6	0,9	1,1	1,3	1,5	2,1	2,6	3,0	3,9	4,7	5,8
90° smooth bend	0,4	0,4	0,4	0,6	0,9	1,1	1,3	1,7	1,9	2,8	3,4	3,9
Union tee or cross	1,1	1,3	1,7	2,1	2,6	3,2	4,3	5,3	6,4	7,5	10,7	12,8
Gate	–	–	–	0,2	0,2	0,2	0,4	0,4	0,6	0,9	1,1	1,3
Non return valve	1,1	1,5	1,9	2,4	3,0	3,4	4,7	5,9	7,4	9,6	11,8	13,8

G-a-pcv-en_a_th

The table is valid for the Hazen Williams coefficient $C=100$ (cast iron pipework);

for steel pipework, multiply the values by 1,41;

for stainless steel, copper and coated cast iron pipework, multiply the values by 1,85;

When the **equivalent pipeline length** has been determined, the flow resistance is obtained from the table of flow resistance.

The values given are guideline values which are bound to vary slightly according to the model, especially for gate valves and non-return valves, for which it is a good idea to check the values supplied by manufacturers.

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- 1) The tissue in plants that brings water upward from the roots;
- 2) a leading global water technology company.

We're 16,000 people unified in a common purpose: creating innovative solutions to meet our world's water needs. Developing new technologies that will improve the way water is used, conserved, and re-used in the future is central to our work. We move, treat, analyze, and return water to the environment, and we help people use water efficiently, in their homes, buildings, factories and farms. In more than 150 countries, we have strong, long-standing relationships with customers who know us for our powerful combination of leading product brands and applications expertise, backed by a legacy of innovation.

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