

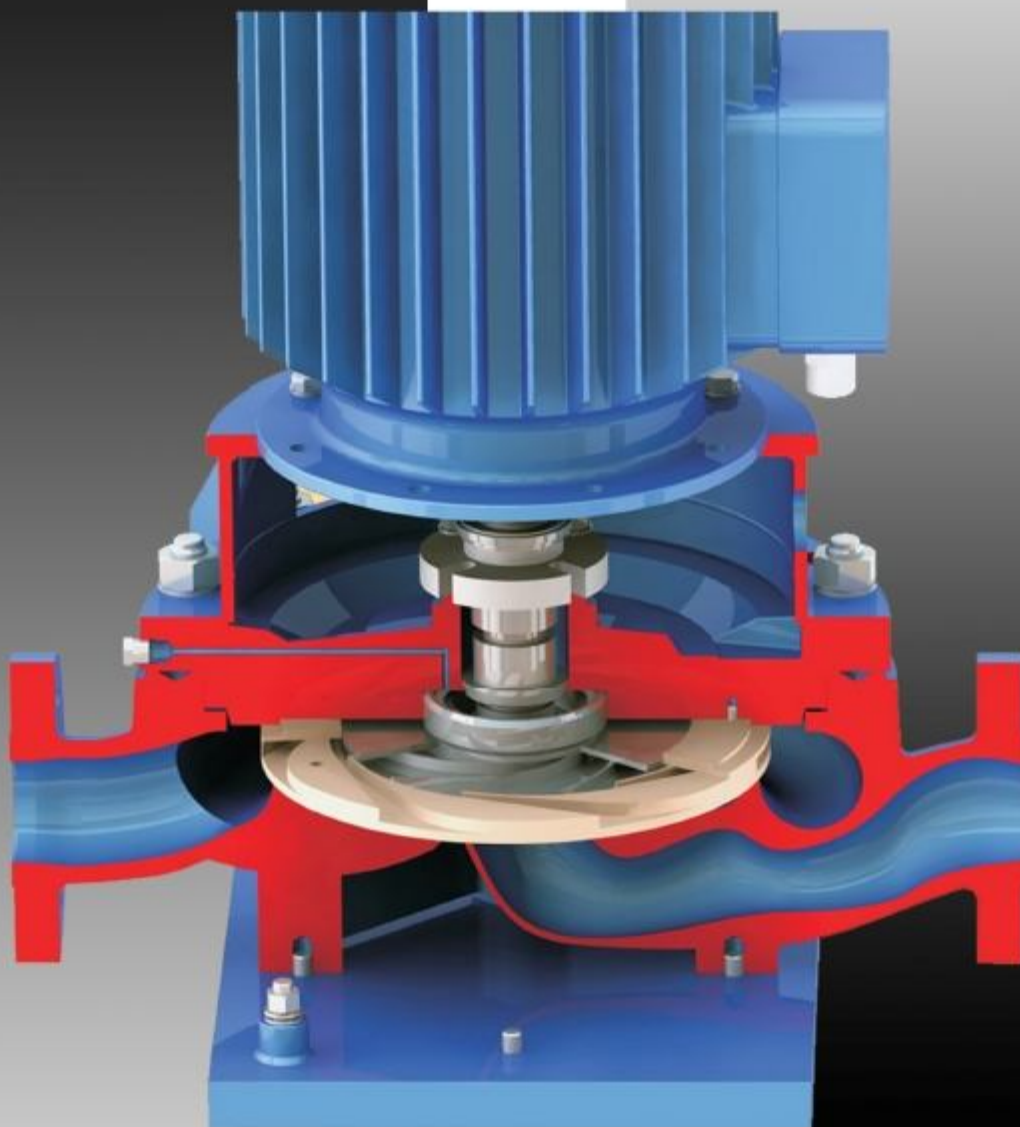
VERTICAL IN-LINE PUMP

الکتروپمپ های عمودی خطی



منتهد پمپ

MASHHAD PUMP



موارد کاربرد:

جهت کاربرد در صنایع نفت، گاز و پتروشیمی، سیرکوله آب گرم و سرد در:
الف: سیستم های گرمایشی خانگی
ب: سیستم های گرمایشی محلی
و موتورخانه های مرکزی در مجتمع های مسکونی، موتورخانه کارخانه ها و سیستم
های تهویه مطبوع مورد استفاده قرار می گیرند و قدرت ۲/۲ تا ۱۳۲ کیلووات و
دبی ۱۰ تا ۱۲۰۰ متر مکعب در ساعت (m^3/h) را دارا هستند.

چدن خاکستری - چدن داکتیل - برنز - فولاد کربنی - فولاد ضدزنگ

۳۲ تا ۳۰۰ میلیمتر

تا ۱۲۰ متر

۱۲۰۰ متر مکعب در ساعت

ANSI/DIN

مکانیکال سیل

اندازه فلنج:

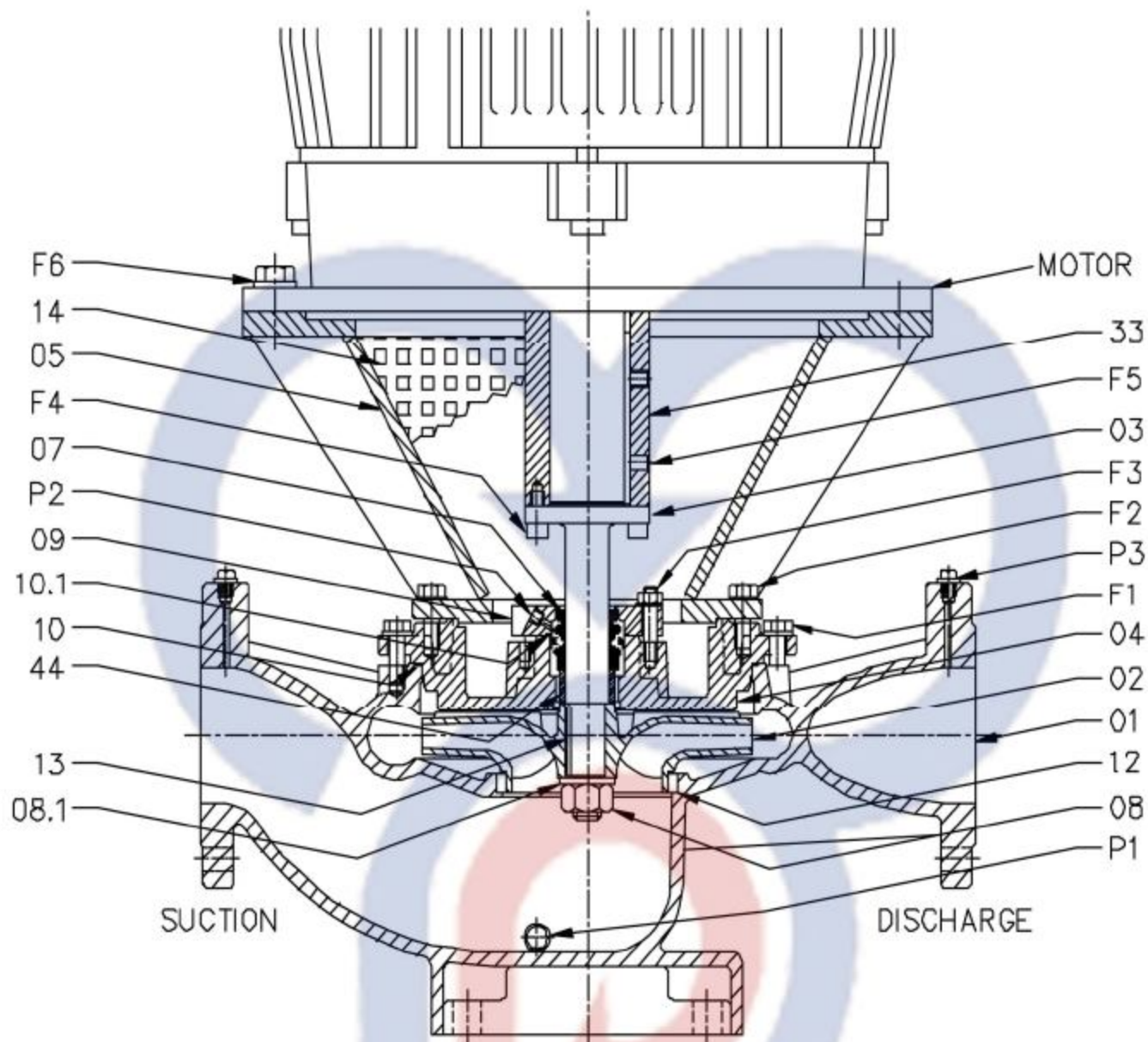
ارتفاع:

آبدهی:

استاندارد فلنج:

آب بندی:

جنس پمپ:



parts list

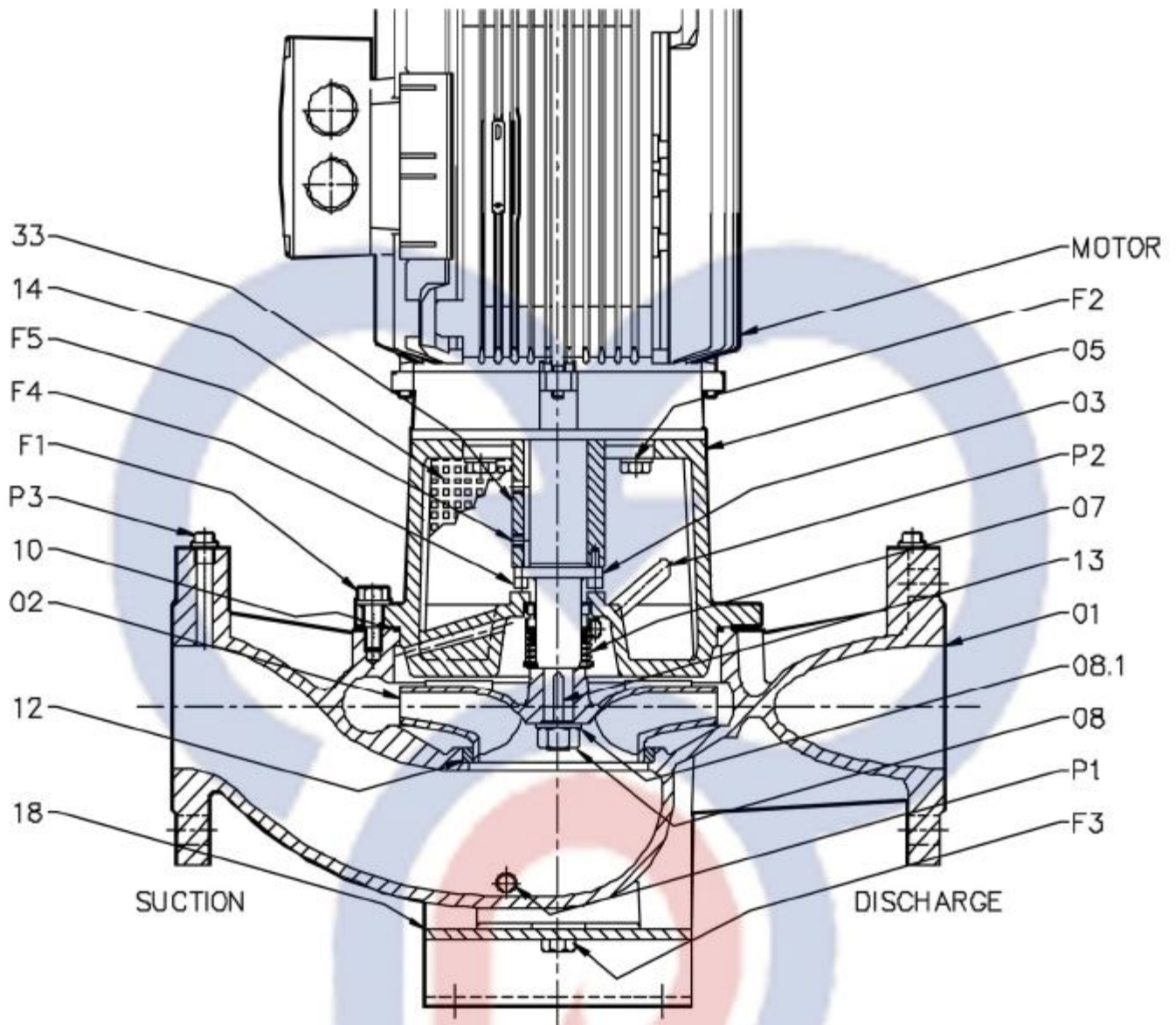
01	Volute casing
02	Impeller
03	Stubshaft
04	Backcover
05	Adaptor
07	Mechanical seal
08	Impeller nut
08.1	Impeller washer
09	Glandplate
10	Casing O ring
10.1	Glandplate O ring
12	Casing wear ring
13	Impeller key
14	Guard
33	Motor sleeve
F1	Casing bolt
F2	Backcover bolt
F3	Glandplate stud and nut
F4	Stubshaft socket cap screw
F5	Motor sleeve socket set screw
F6	Motor bolt
P1	Drain plug
P2	Glandplate vent connector
P3	Gauge plug

Vertical In-Line Pump

الکتروپمپ عمودی خطی

MASHHAD PUMP
مشهد پمپ





parts list

01	Volute casing
02	Impeller
03	Stubshaft
05	Adaptor
07	Mechanical seal
08	Impeller nut
08.1	Impeller nut washer
10	Casing O ring
12	Casing wear ring
13	Impeller key
14	Guard
18	Support foot
33	Motor sleeve
F1	Casing bolts
F2	Motor flange bolts
F3	Support foot bolts
F4	Stubshaft socket cap screws
F5	Motor sleeve set screws
P1	Drain plug
P2	Vent connection
P3	Gauge plug

Vertival In-Line Pump

الکتروپمپ عمودی خطی

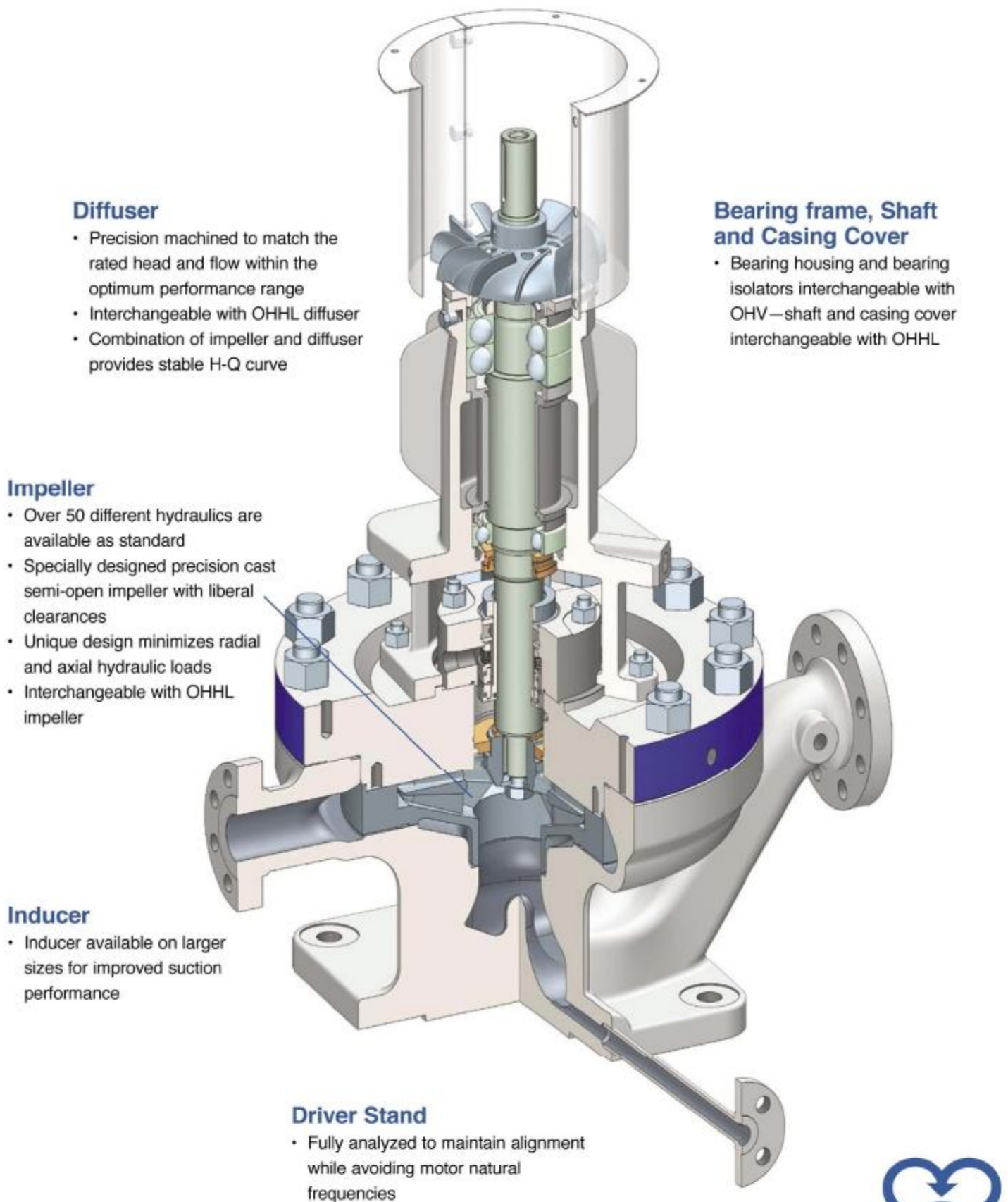
MASHHAD PUMP

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مدل API

الکتروپمپ عمودی خطی



مدل API

الکتروپمپ عمودی خطی

Shaft

- Fully machined
- Large diameters
- Low stresses
- Very low deflection
- Interchangeable with OHH

Seal Chamber

- Complies with ISO 13709 (API 610)
- Utilizes ISO 21049 (API 682) full cartridge seals for ease of replacement; seals are interchangeable among OHH, OHHL, OHV, and OHVL
- Single, dual, dual pressurized and gas secondary seals available
- All seal flush systems available for longer seal life

Wear Parts

- Casing and impeller wear rings available
- Interchangeable with OHH on all but a few sizes
- Variety of materials and hard surfacing available for enhanced life

Casing

- All standard ISO 13709 (API 610) materials from S-4 to D-2
- Other materials and/or NACE compliant materials available
- Single volute on smaller sizes, dual volute on larger sizes
- Designed to 25% of ultimate tensile stress and 0.8 casting factor, 3 mm (0.12") corrosion allowance, 2 times ISO 13709 (API 610) Table 4 nozzle loads
- 300# R.F. flanges and flanged drain are standard

Bearing Housing

- Finned carbon steel for added heat dissipation
- Grease fittings or oil mist taps are standard

Bearings

- Interchangeable with OHH, OHHL, and OHVL
- 7300 series 40° angular contact, thrust bearing with machined brass cages
- 6200 series ball radial bearing with C-3 clearances—per ISO 13709 (API 610)

Bearing Isolators

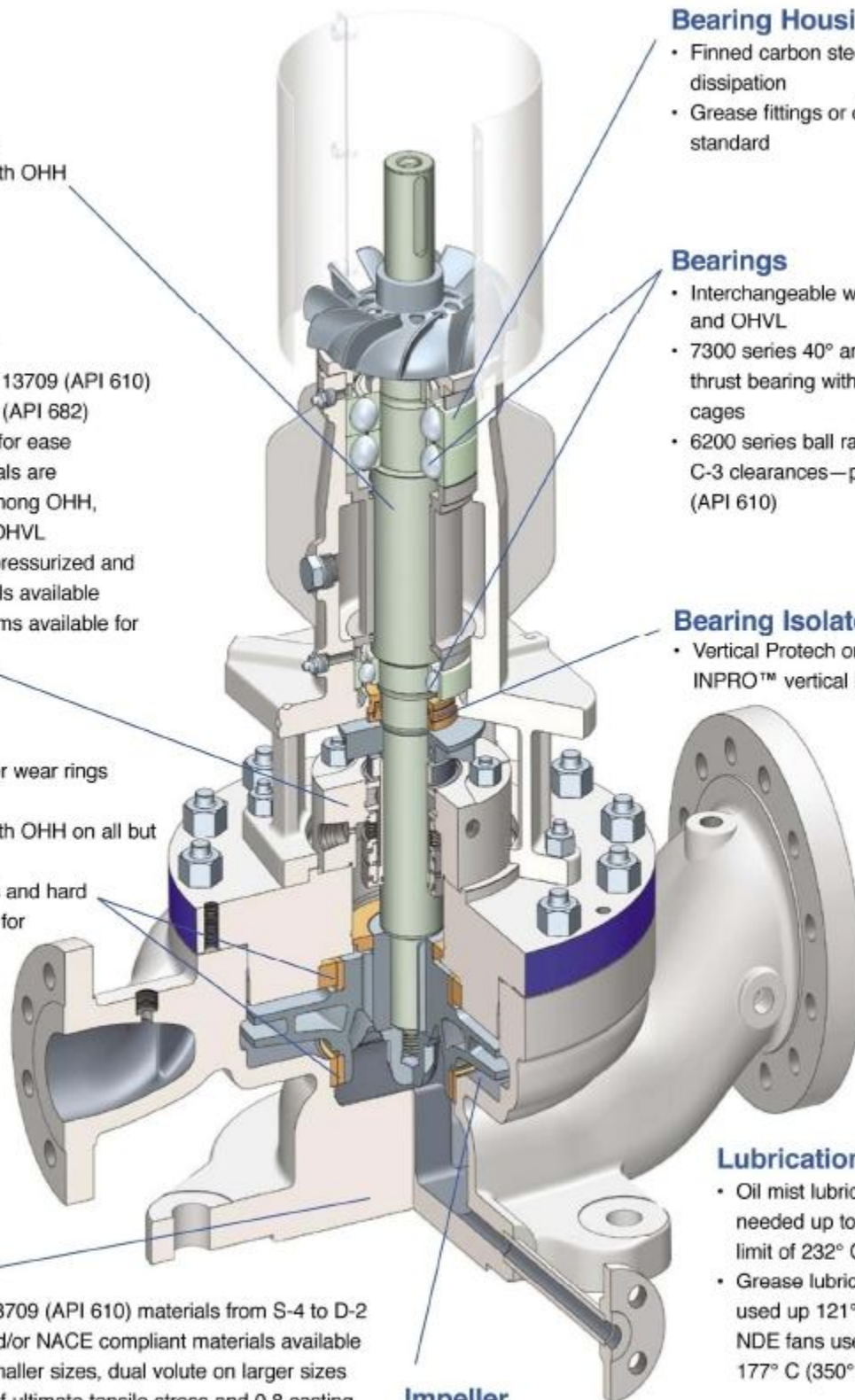
- Vertical Protech or optional INPRO™ vertical isolators

Lubrication/Cooling

- Oil mist lubrication—no fan cooling needed up to pump temperature limit of 232° C (450° F)
- Grease lubrication—drive end fan used up 121° C (250° C); DE and NDE fans used to grease limit of 177° C (350° F)

Impeller

- High efficiency enclosed design
- Standard Nss of 11,000 or less
- Optional low NPSHr design for most larger sizes
- Wide performance range





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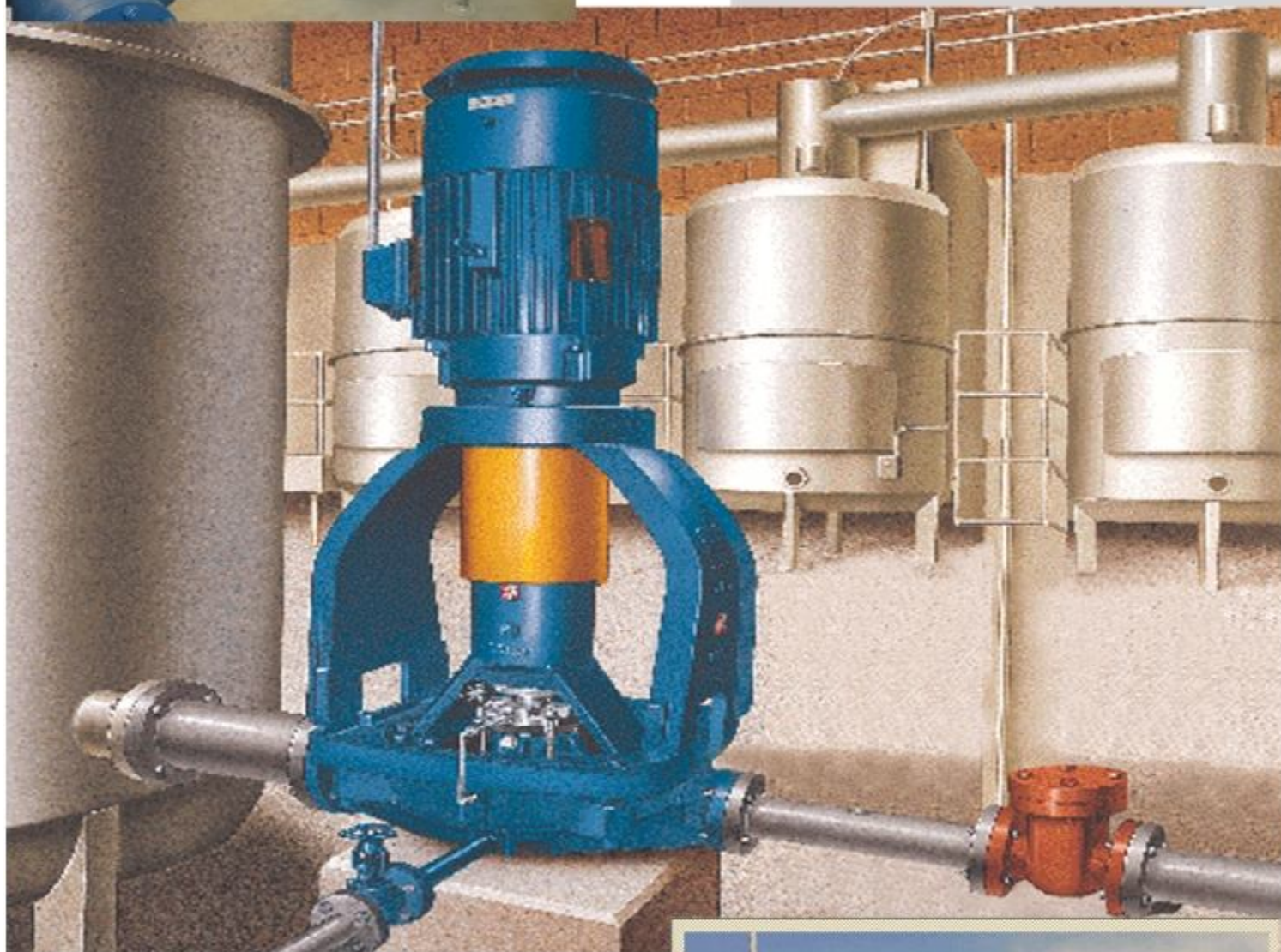
VERTICAL IN-LINE PUMP الکتروپمپ های عمودی خطی





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MASHHAD PUMP



VERTICAL IN-LINE PUMP

الکتروپمپ های عمودی خطی



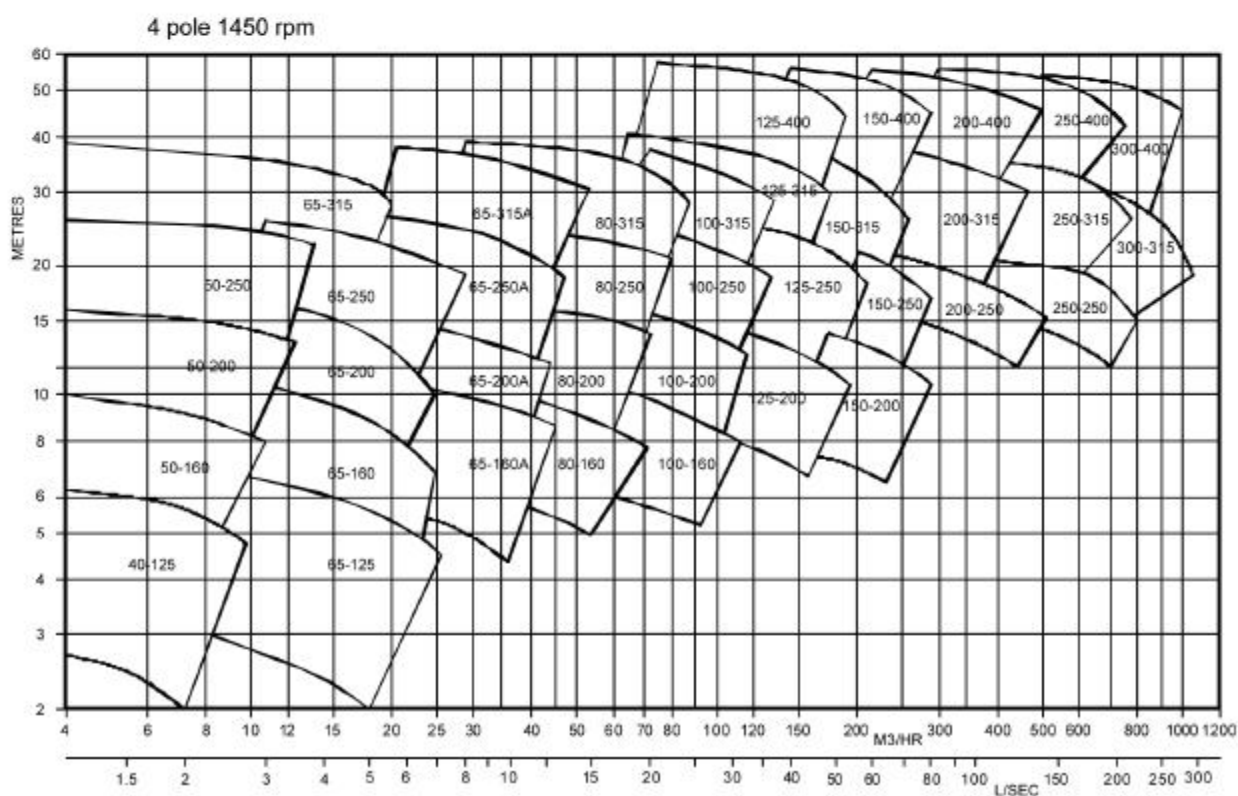
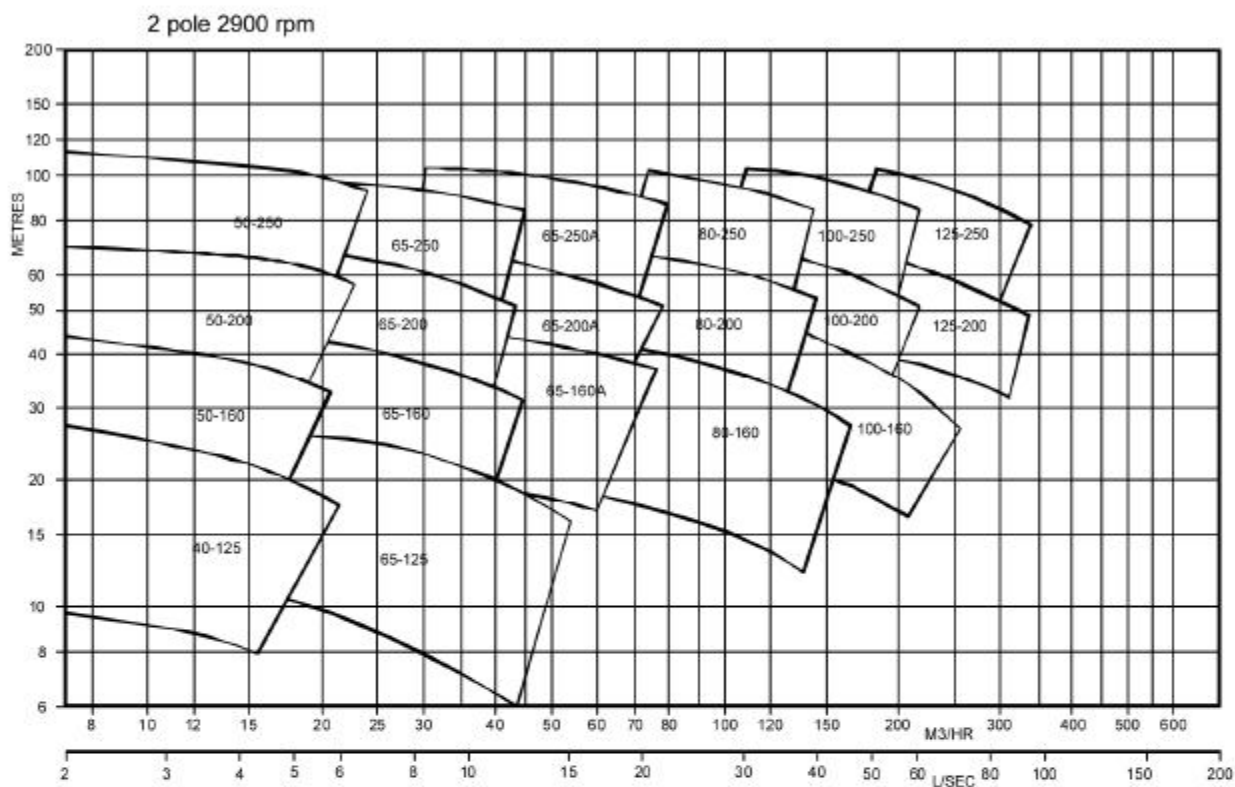
VERTICAL IN-LINE PUMP

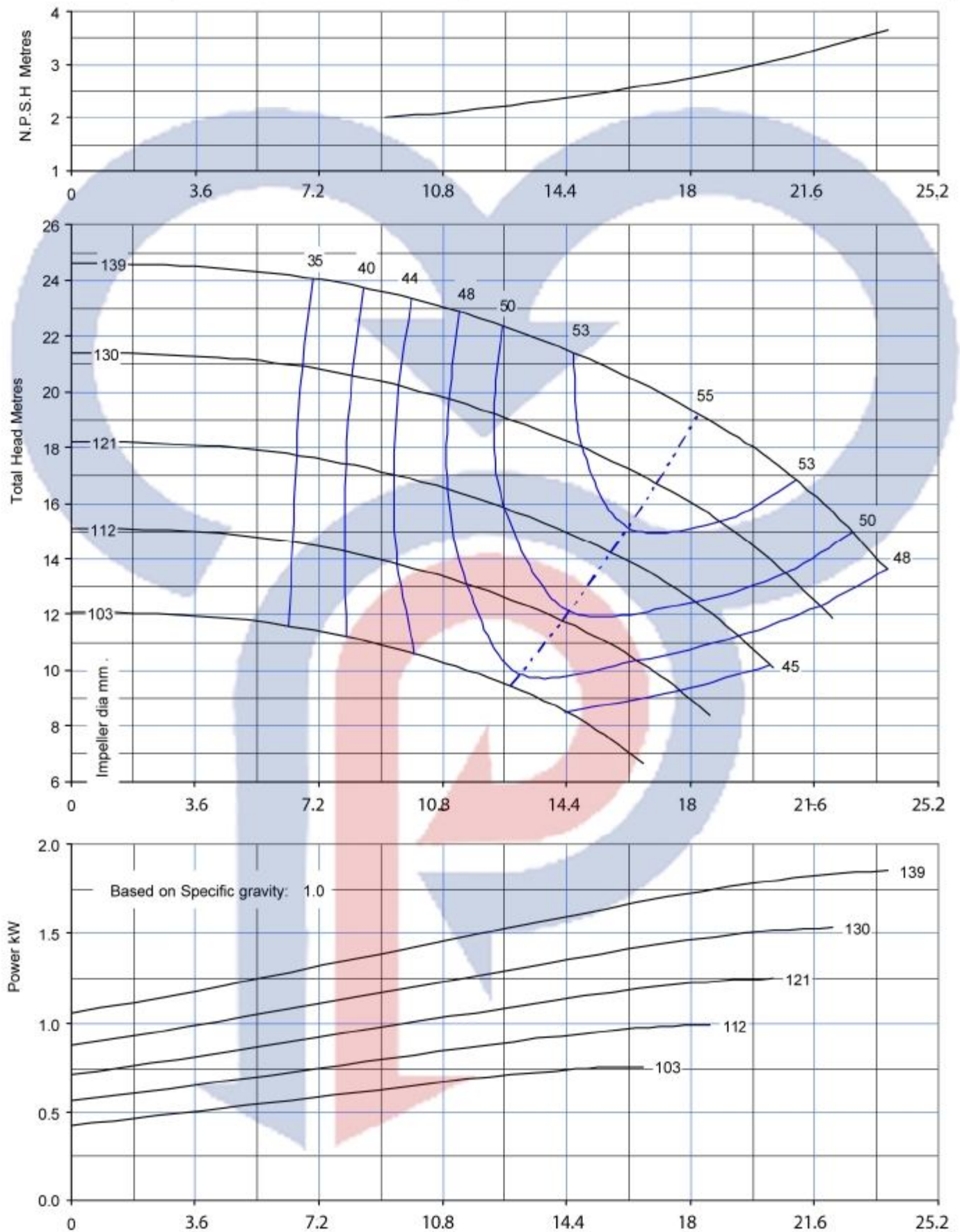
الکتروپمپ های عمودی خطی



مشنهد پمپ

MASHHAD PUMP





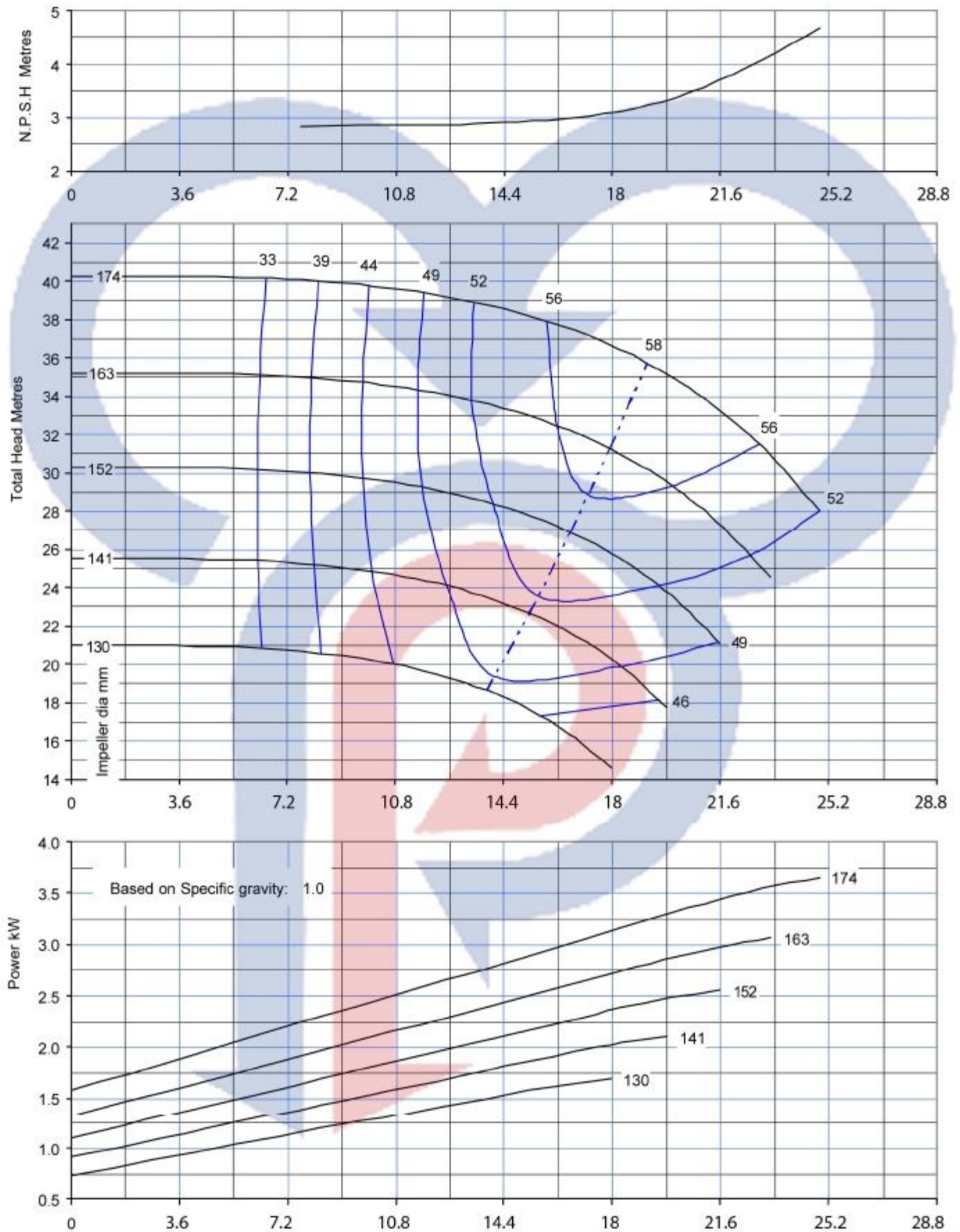
SUCTION DIA
40

DISCHARGE DIA
40

MAX PRESSURE
12 bar

PUMP MODEL
GC 40-125

SPEED
3000



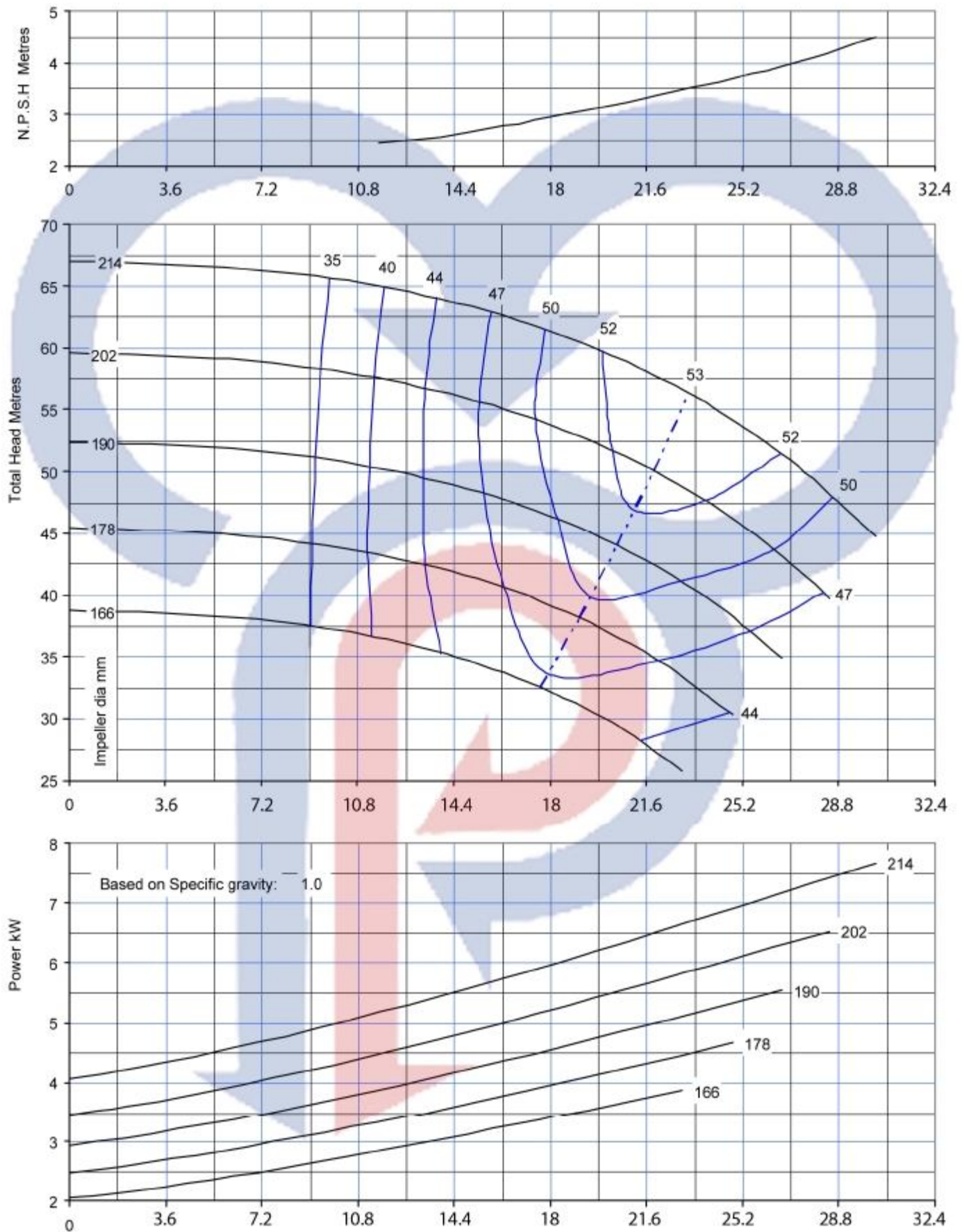
SUCTION DIA
50

DISCHARGE DIA
50

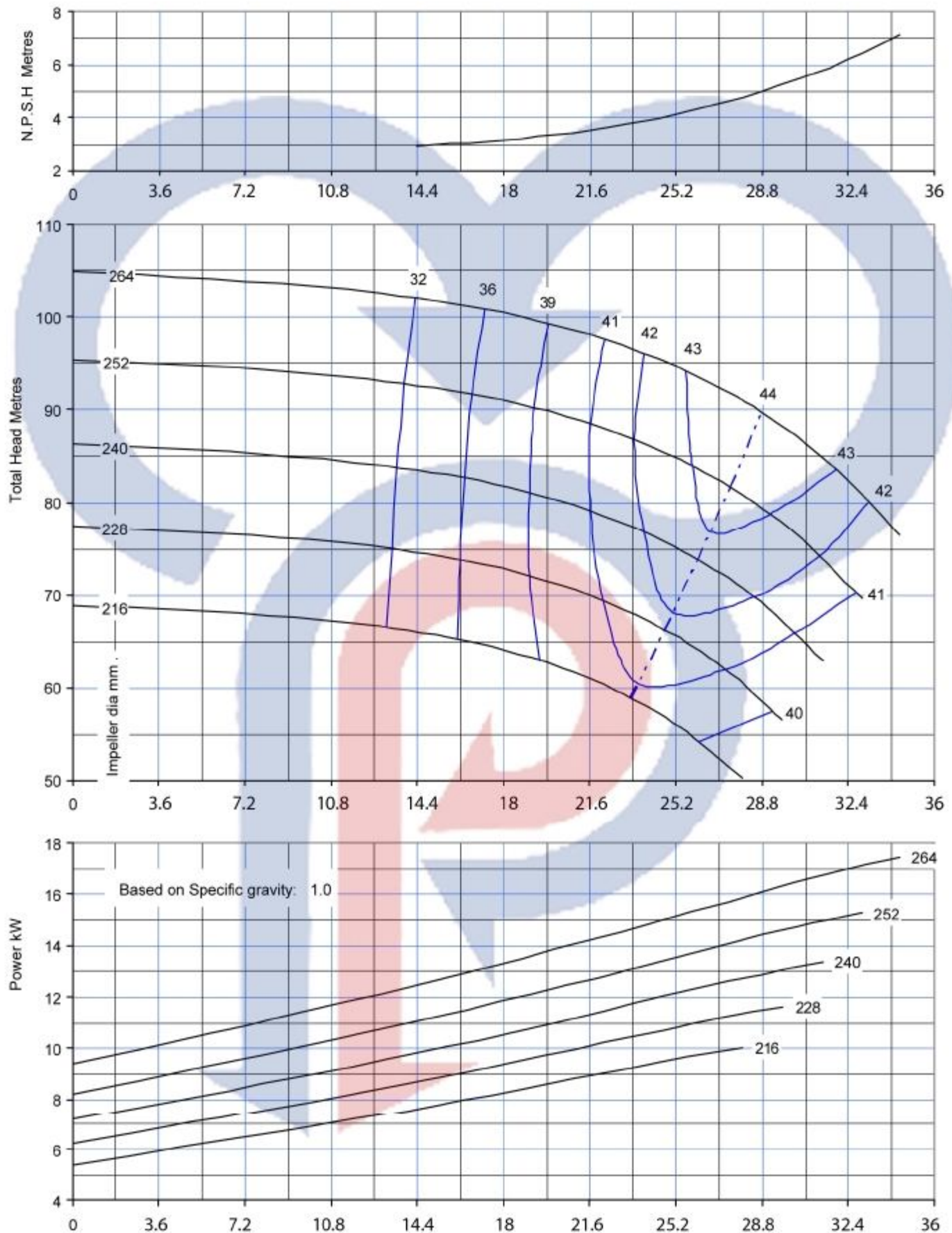
MAX PRESSURE
12 bar

PUMP MODEL
GC 50-160

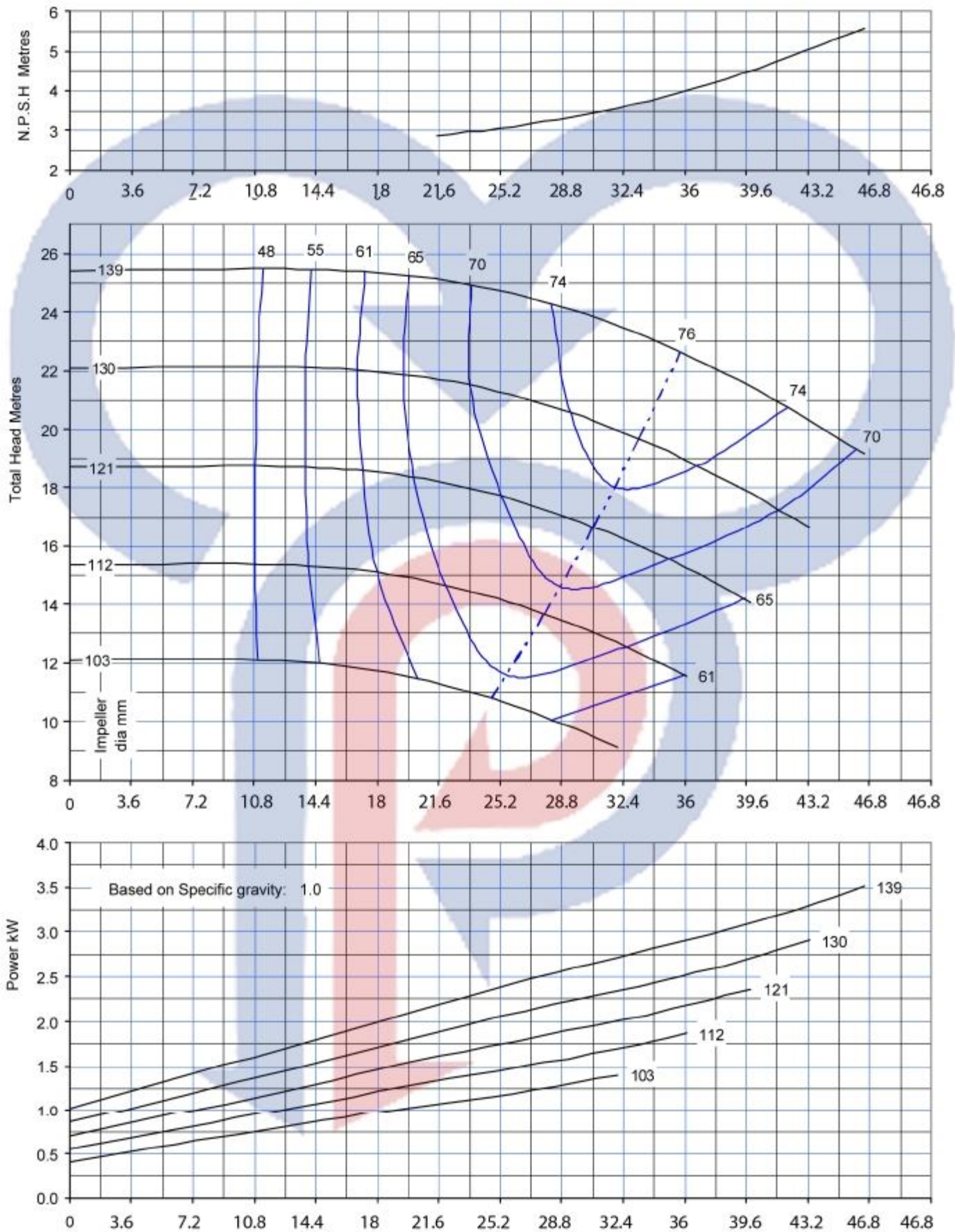
SPEED
3000



SUCTION DIA	DISCHARGE DIA	MAX PRESSURE	PUMP MODEL	SPEED
50	50	12 bar	GC 50-200	3000



SUCTION DIA 50	DISCHARGE DIA 50	MAX PRESSURE 12 bar	PUMP MODEL GC 50-250	SPEED 3000
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SUCTION DIA

65

DISCHARGE DIA

65

MAX PRESSURE

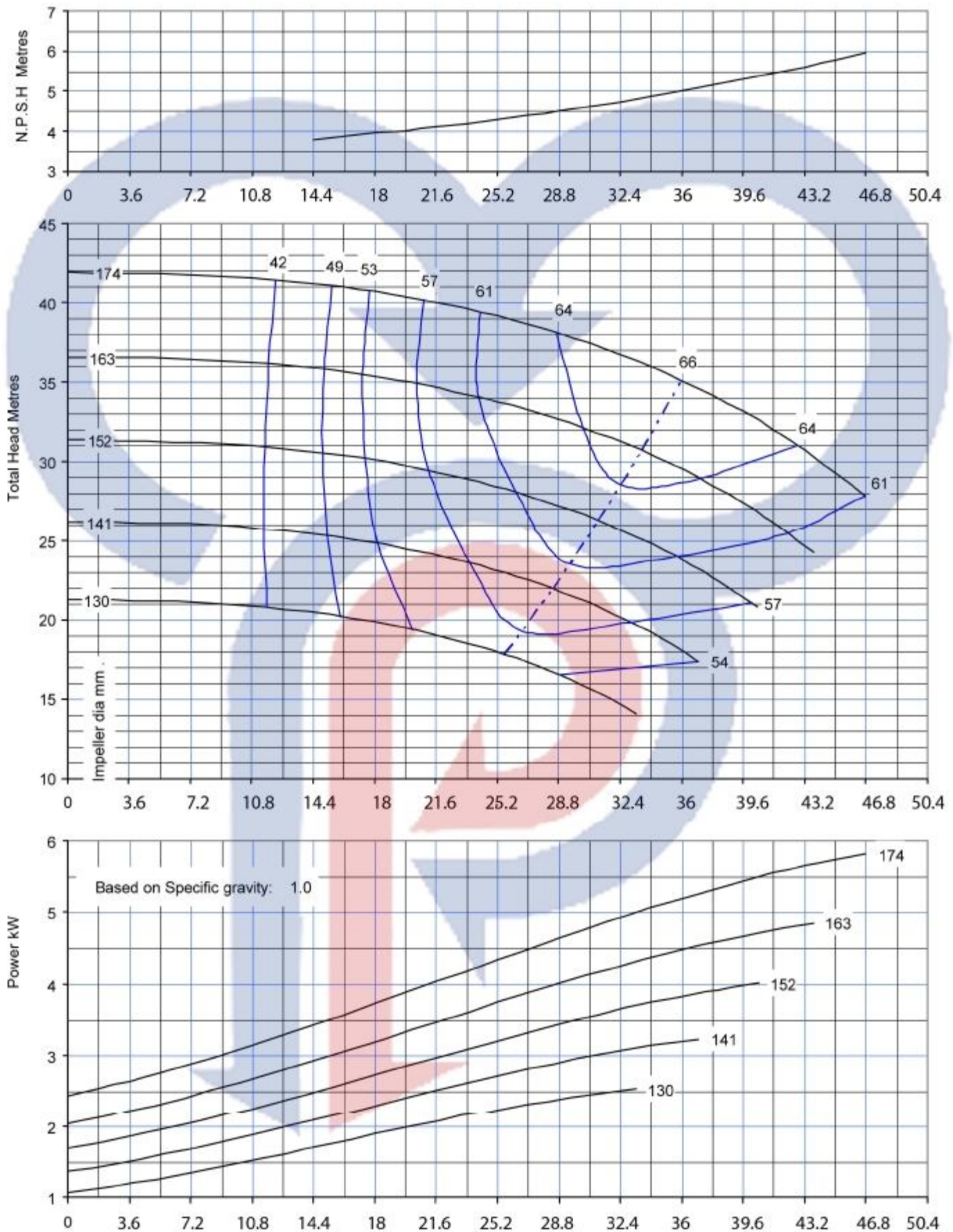
12 bar

PUMP MODEL

GC 65-125

SPEED

3000



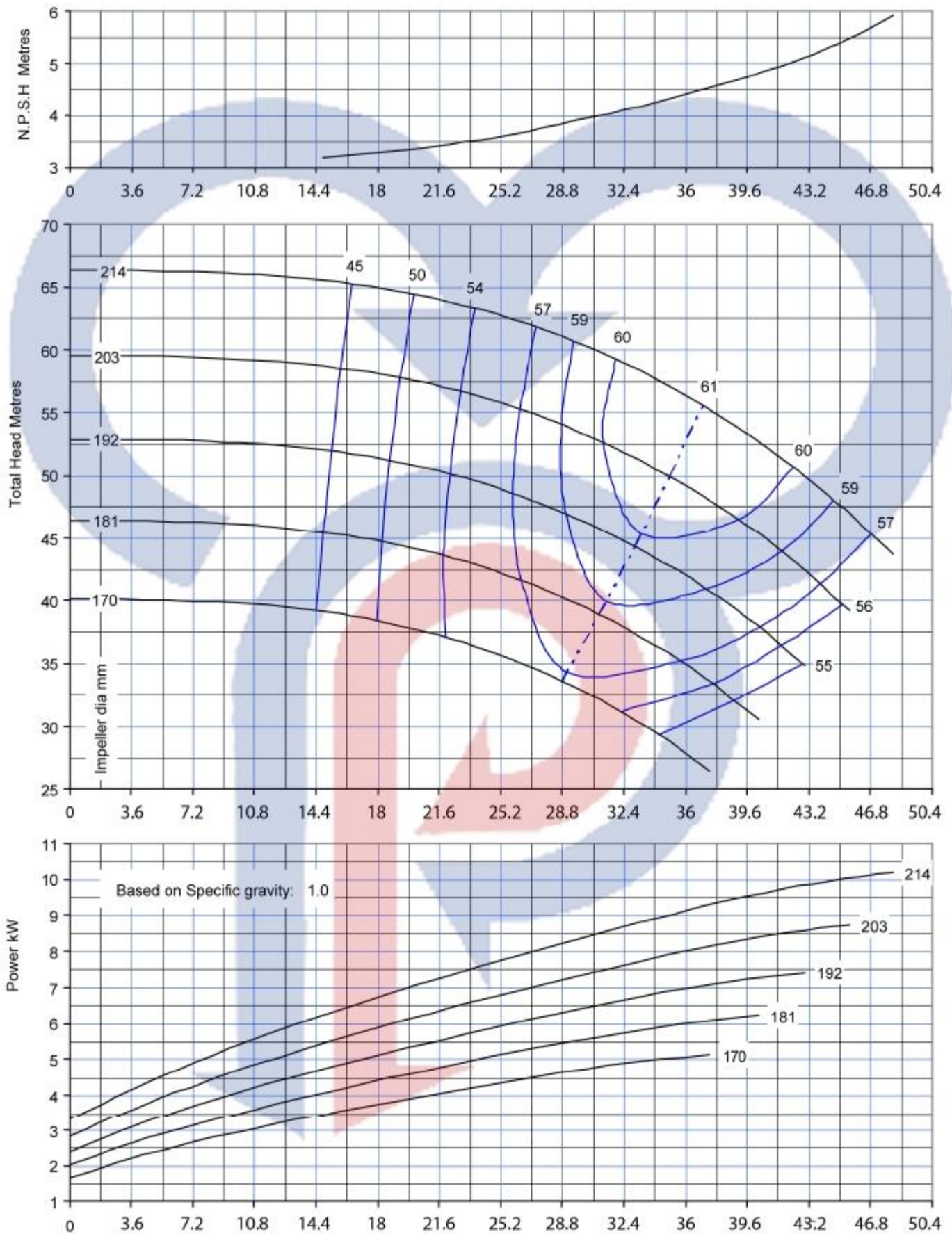
SUCTION DIA
65

DISCHARGE DIA
65

MAX PRESSURE
12 bar

PUMP MODEL
GC 65-160

SPEED
3000



SUCTION DIA

65

DISCHARGE DIA

65

MAX PRESSURE

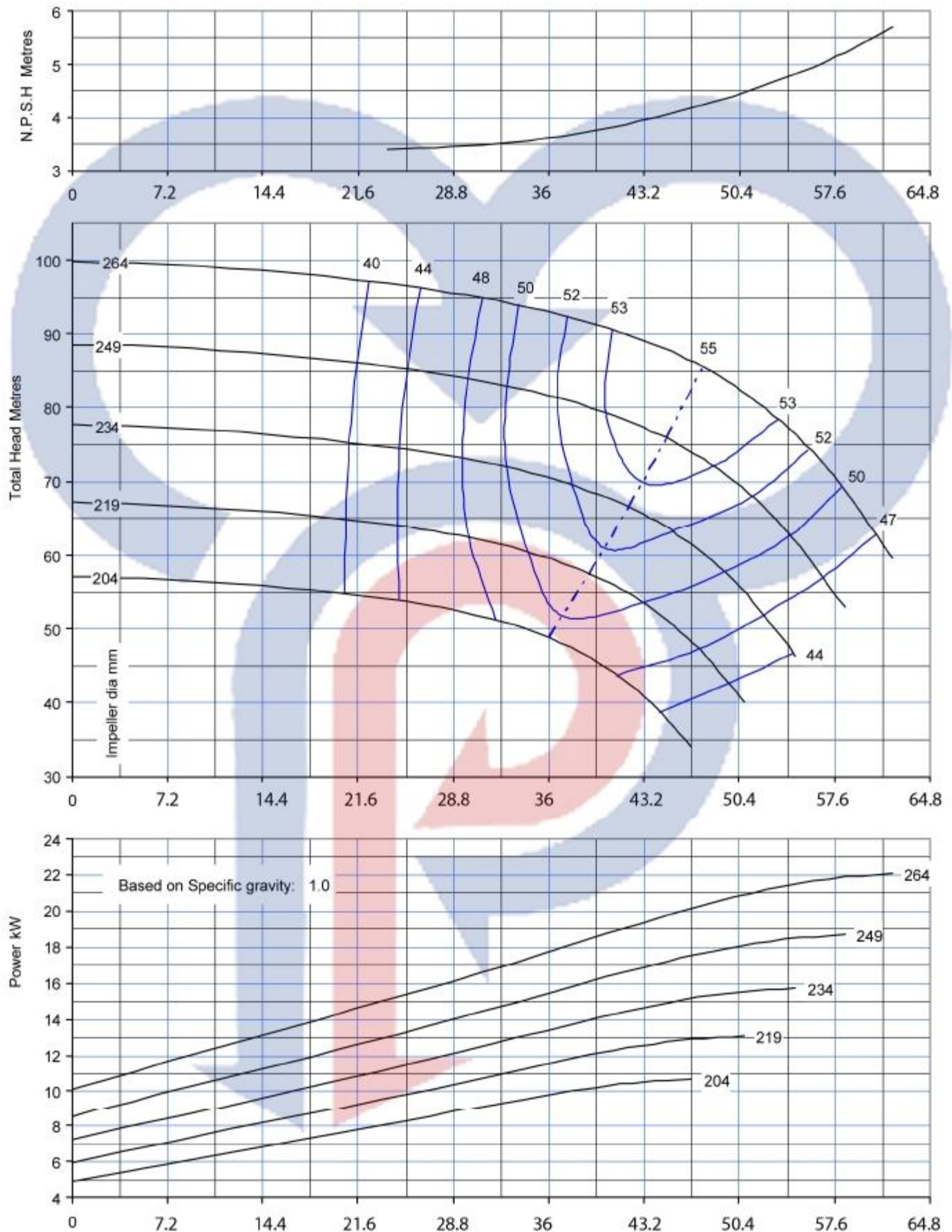
12 bar

PUMP MODEL

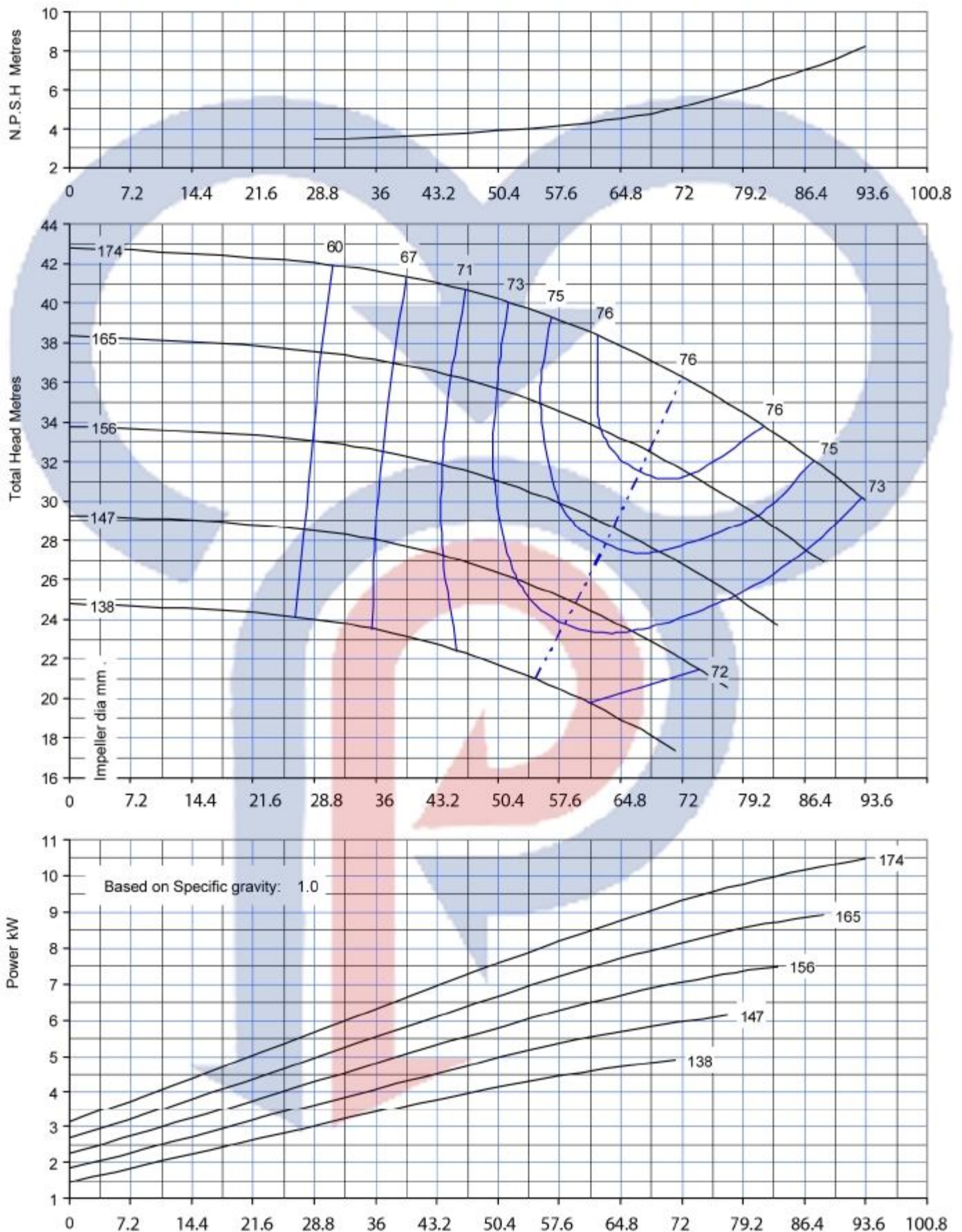
GC 65-200

SPEED

3000 -



SUCTION DIA 65	DISCHARGE DIA 65	MAX PRESSURE 12 bar	PUMP MODEL GC 65-250	SPEED 3000
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SUCTION DIA

65

DISCHARGE DIA

65

MAX PRESSURE

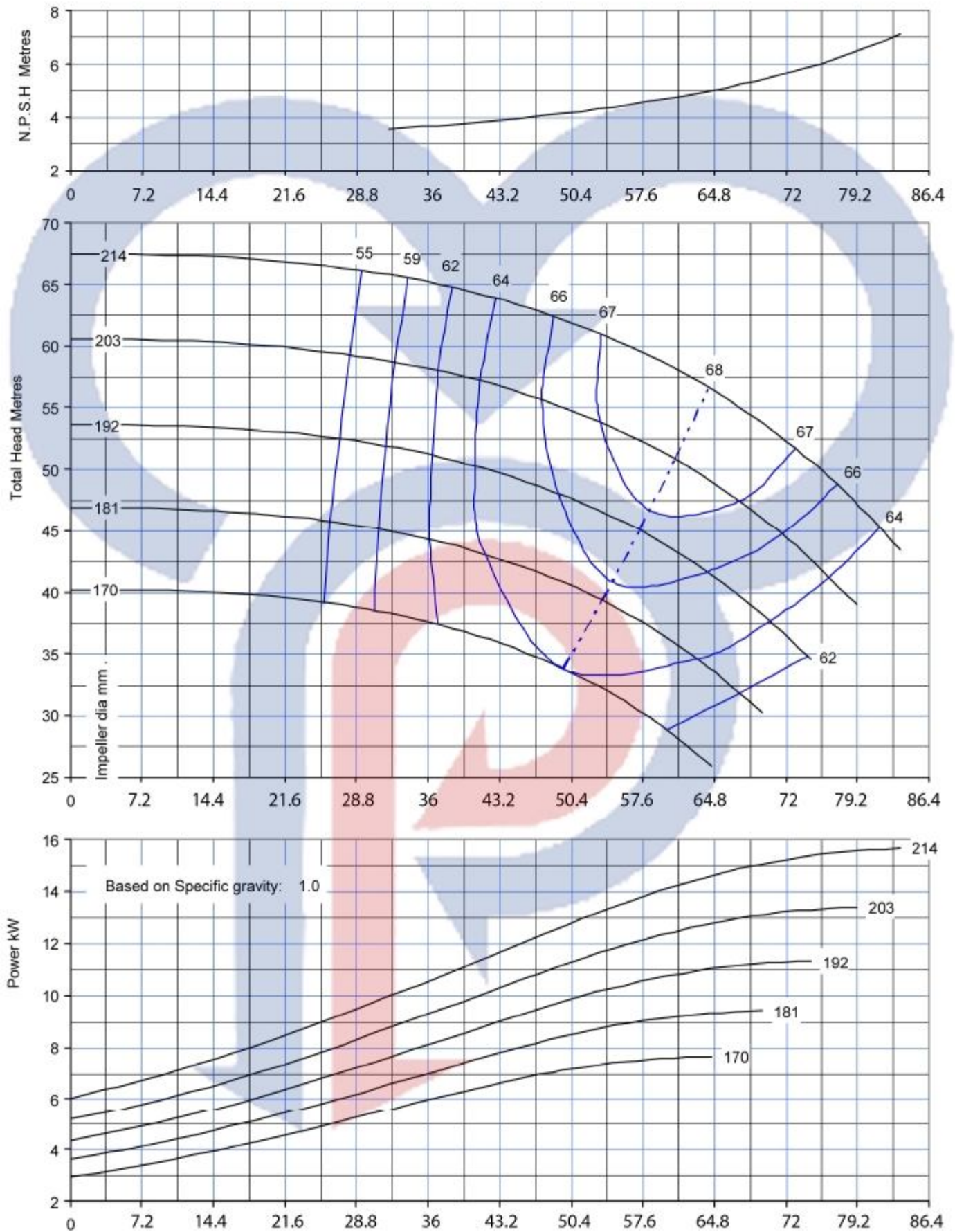
12 bar

PUMP MODEL

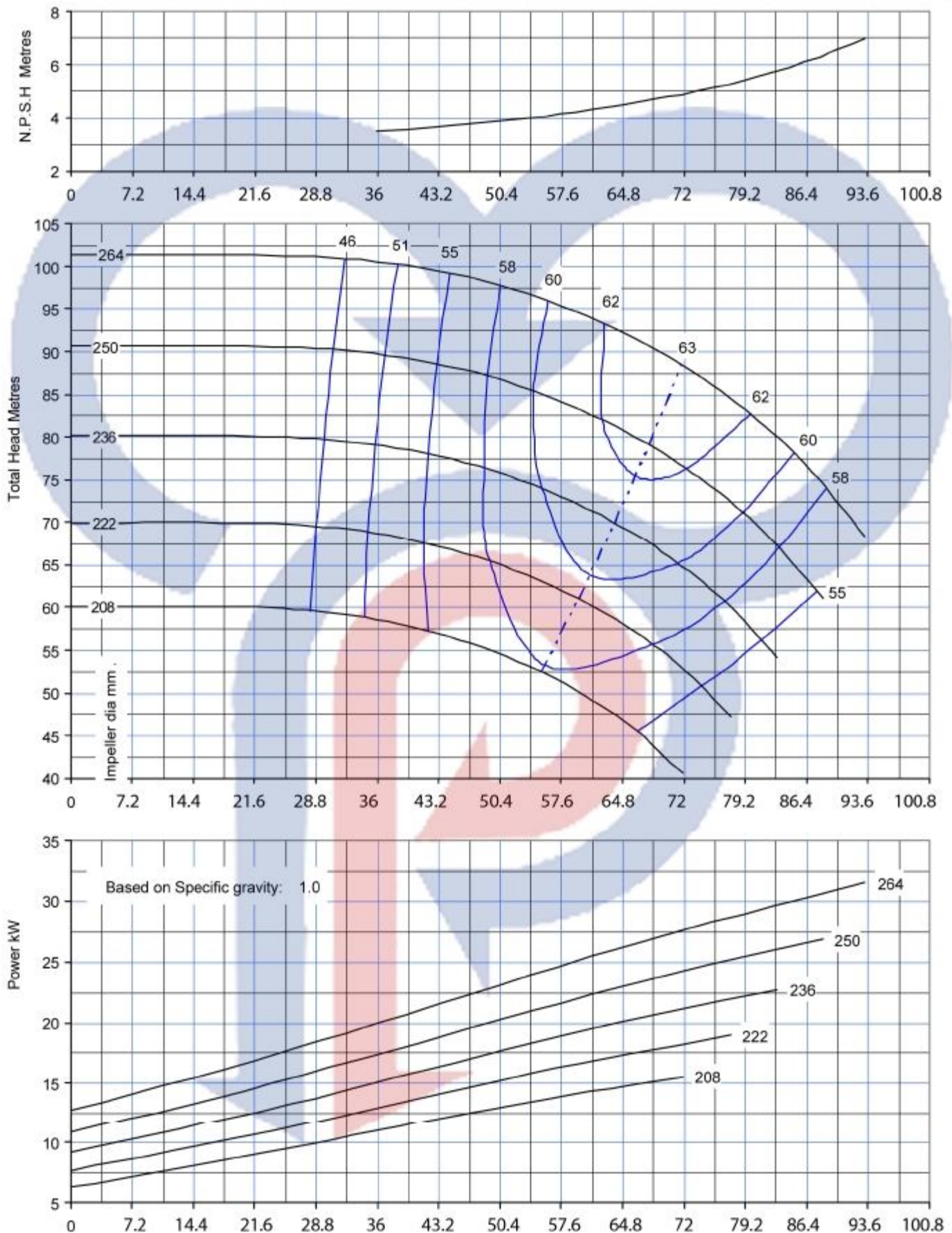
GC 65-160A

SPEED

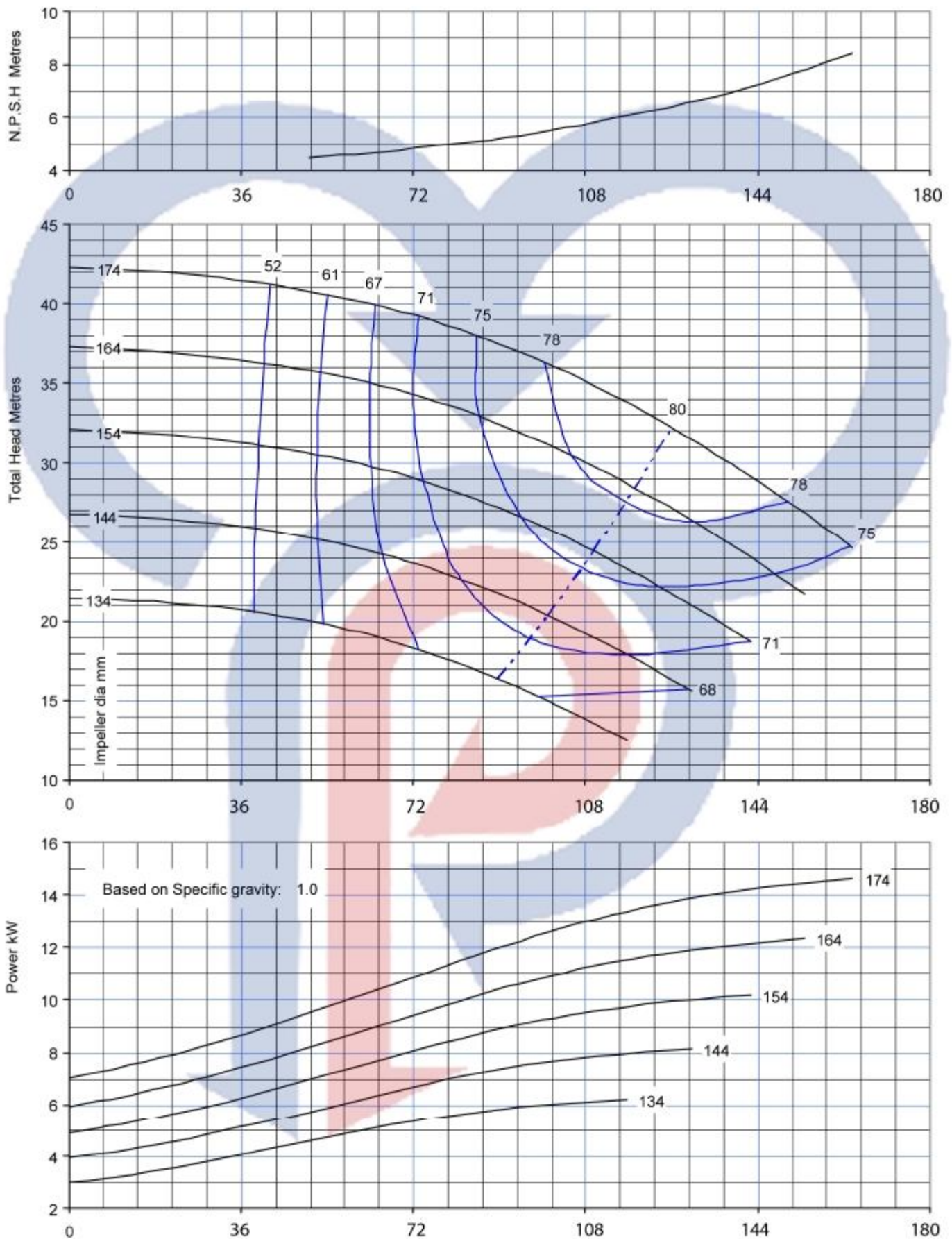
- 3000 -



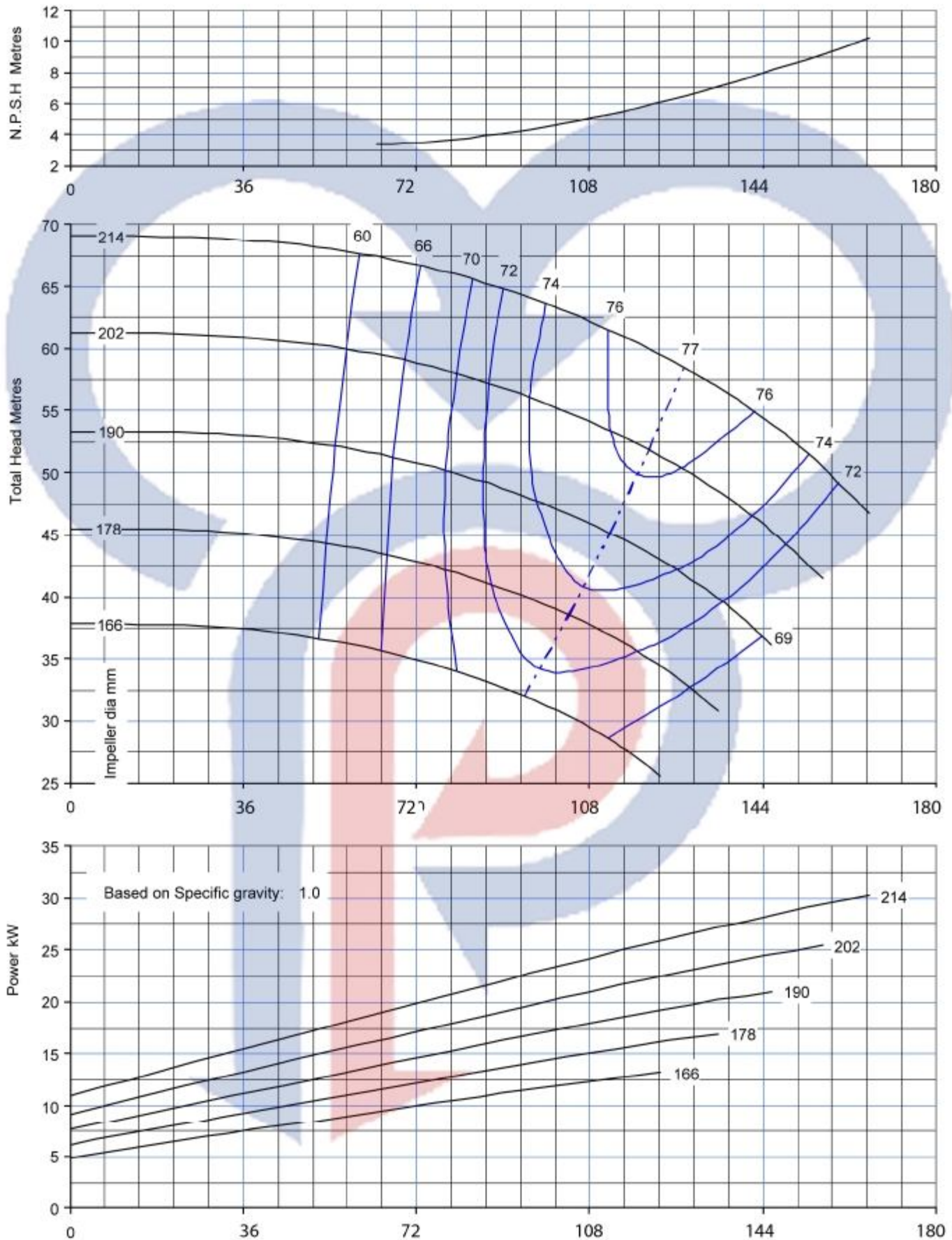
SUCTION DIA 65	DISCHARGE DIA 65	MAX PRESSURE 12 bar	PUMP MODEL GC 65-200A	SPEED 3000
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SUCTION DIA 65	DISCHARGE DIA 65	MAX PRESSURE 12 bar	PUMP MODEL GC 65-250A	SPEED 3000
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SUCTION DIA 80	DISCHARGE DIA 80	MAX PRESSURE 12 bar	PUMP MODEL GC 80-160	SPEED 3000 _
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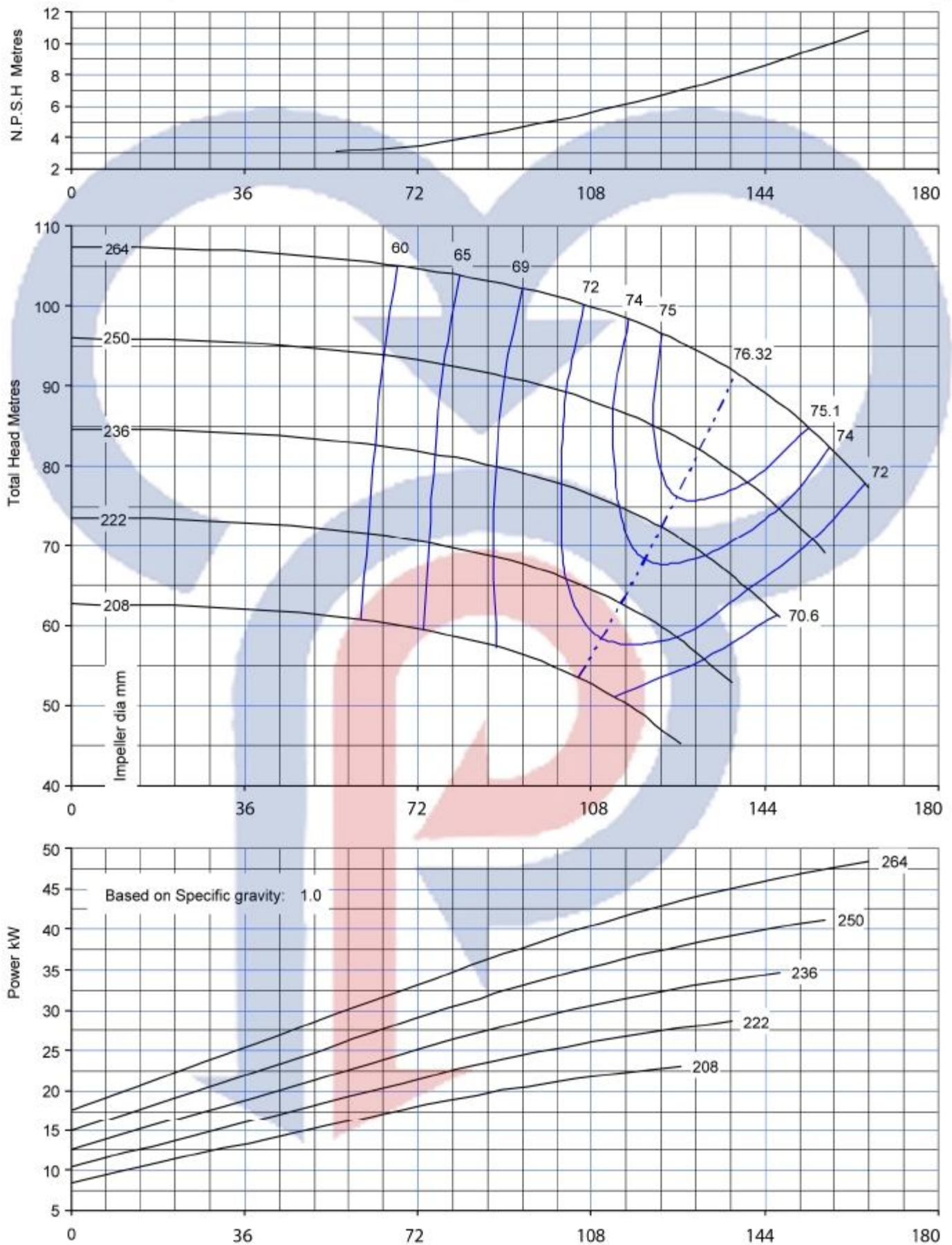
SUCTION DIA
80

DISCHARGE DIA
80

MAX PRESSURE
12 bar

PUMP MODEL
GC 80-200

SPEED
3000



SUCTION DIA

80

DISCHARGE DIA

80

MAX PRESSURE

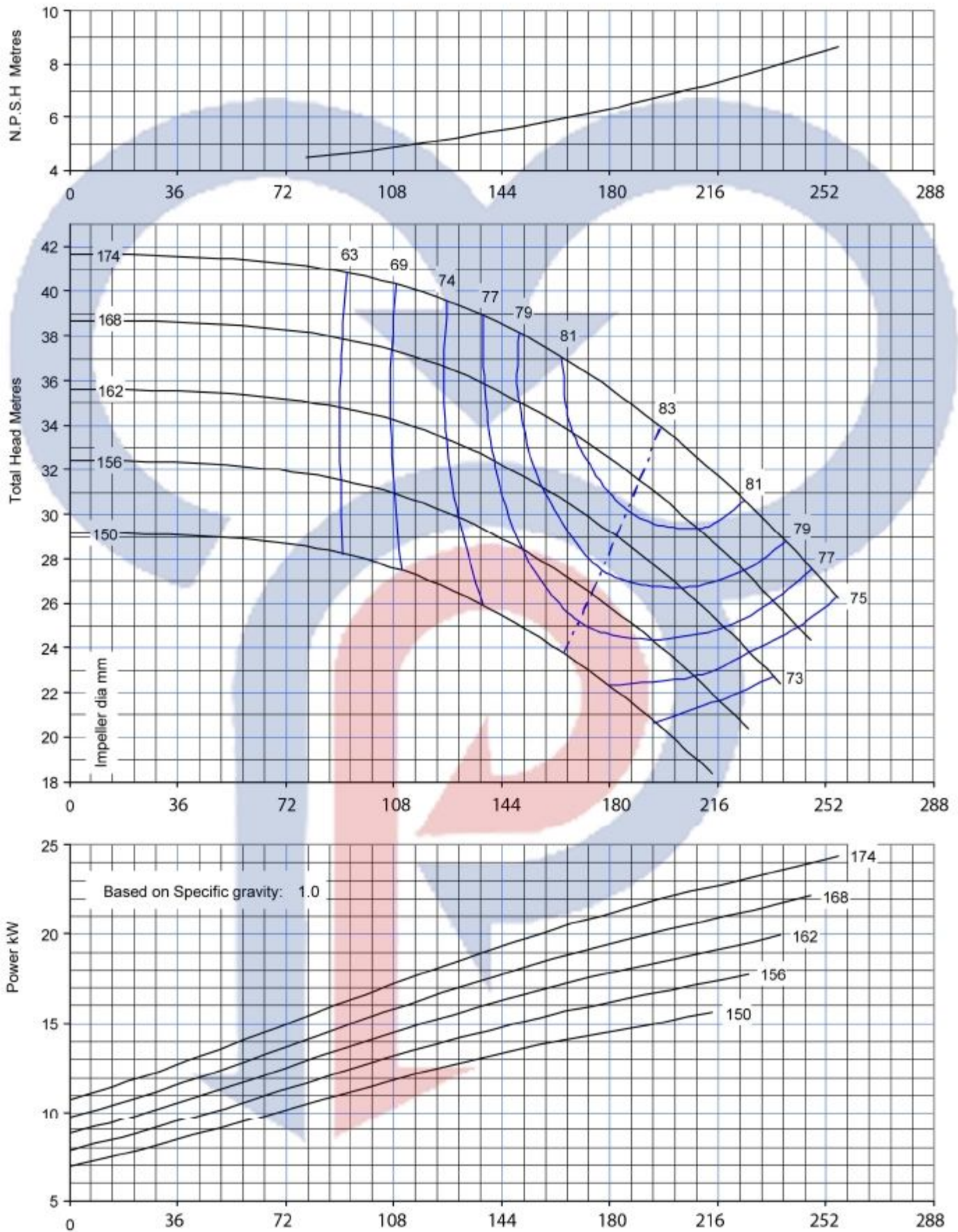
12 bar

PUMP MODEL

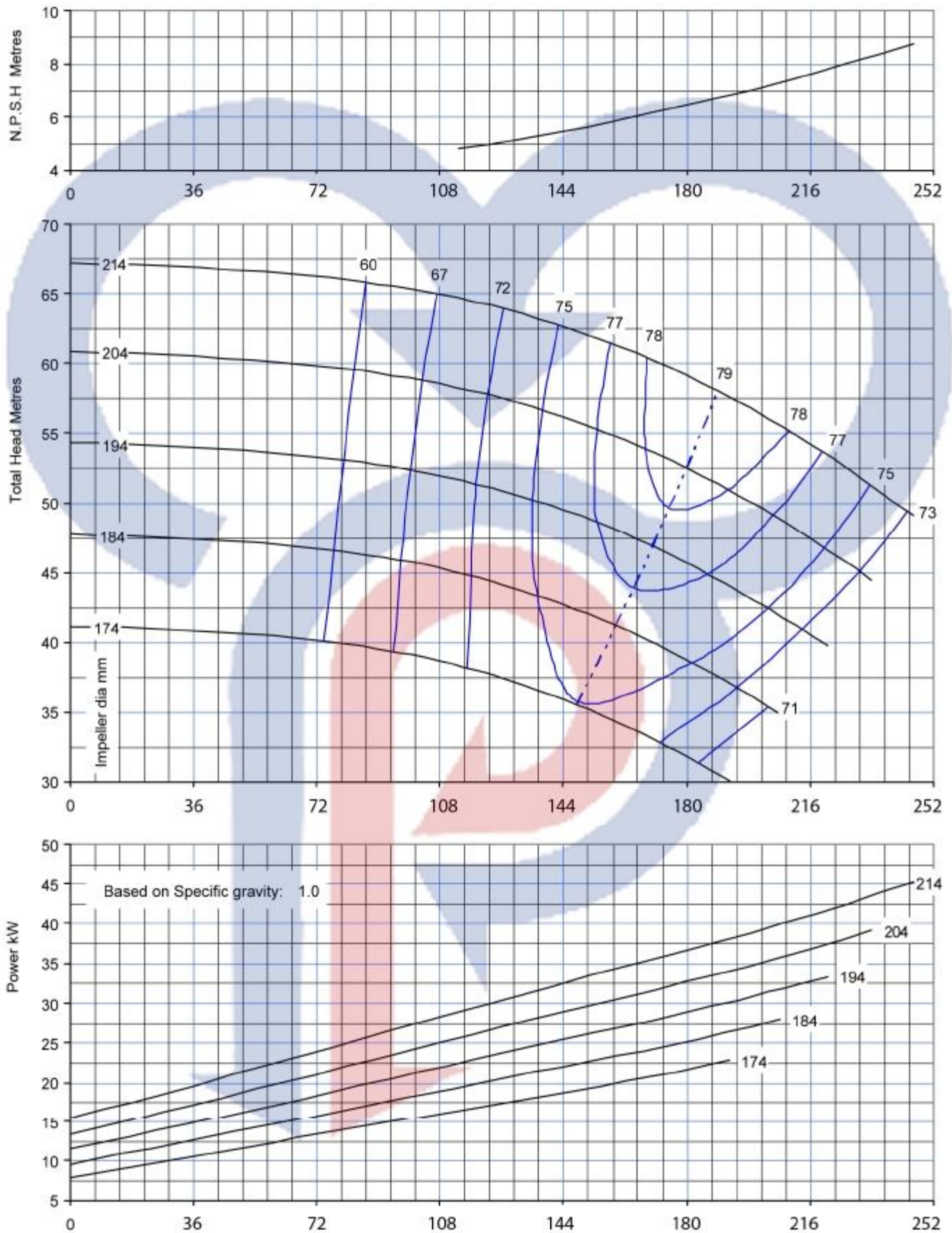
GC 80-250

SPEED

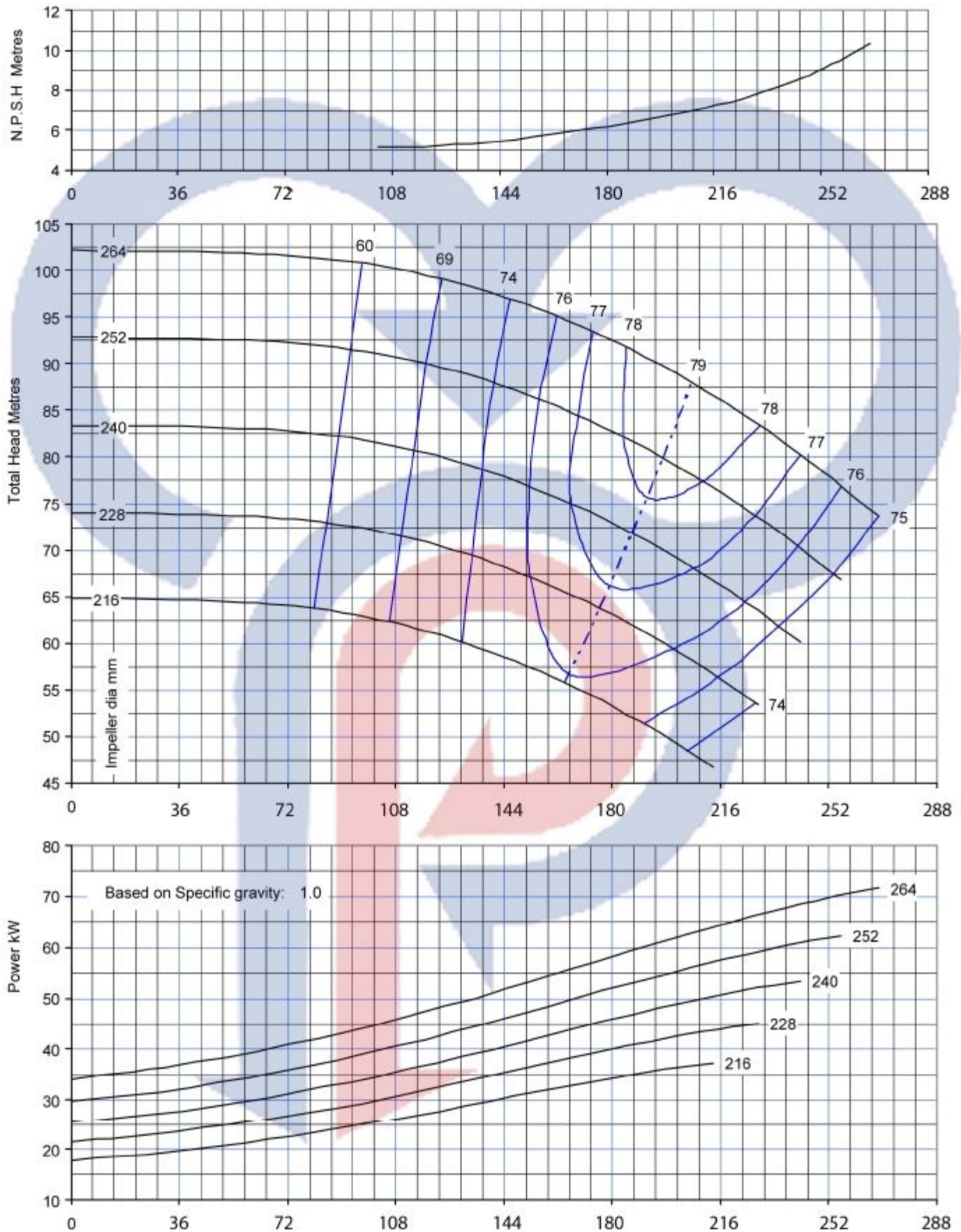
3000 —



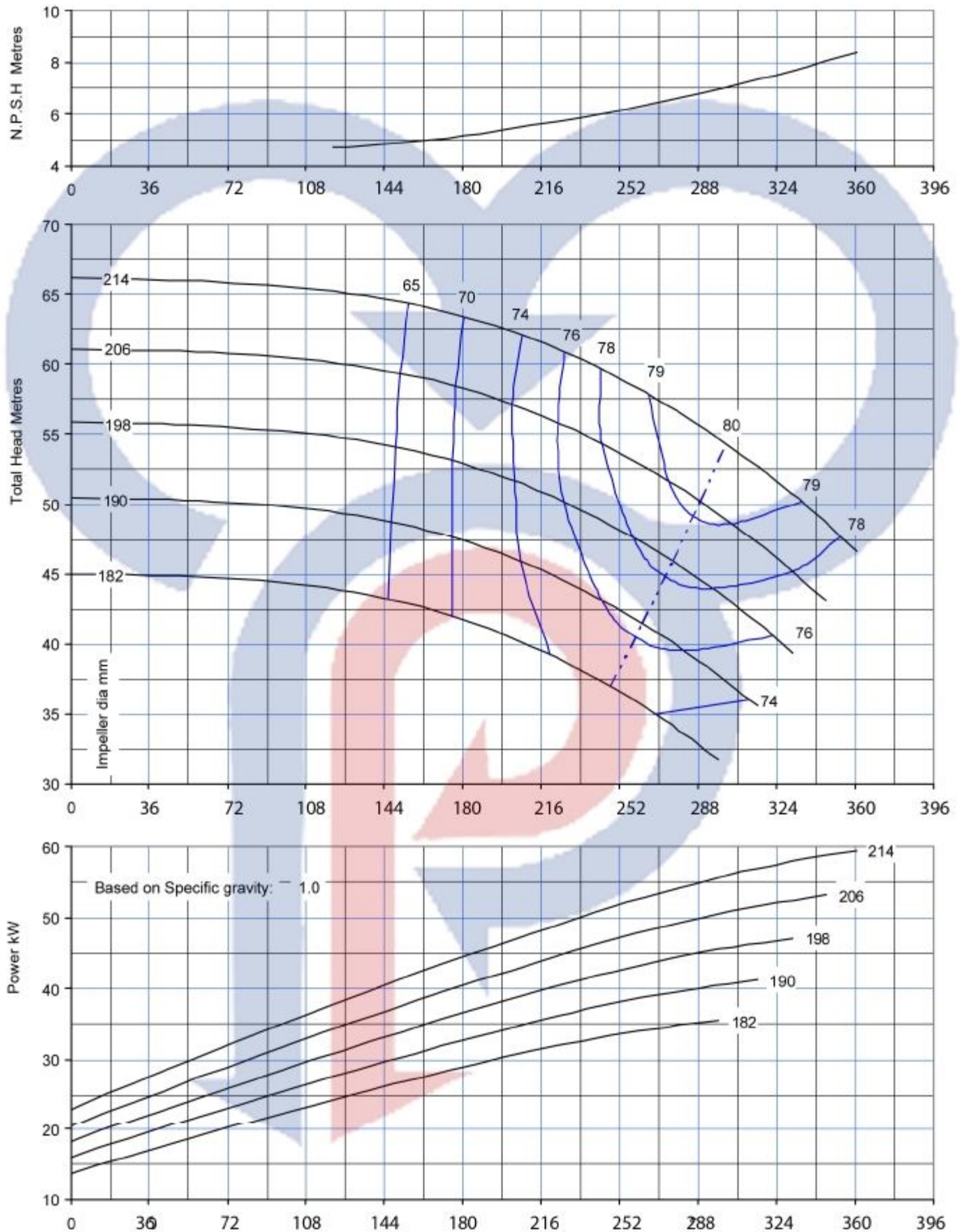
SUCTION DIA	DISCHARGE DIA	MAX PRESSURE	PUMP MODEL	SPEED
100	100	12 bar	GC 100-160	- 3000 -



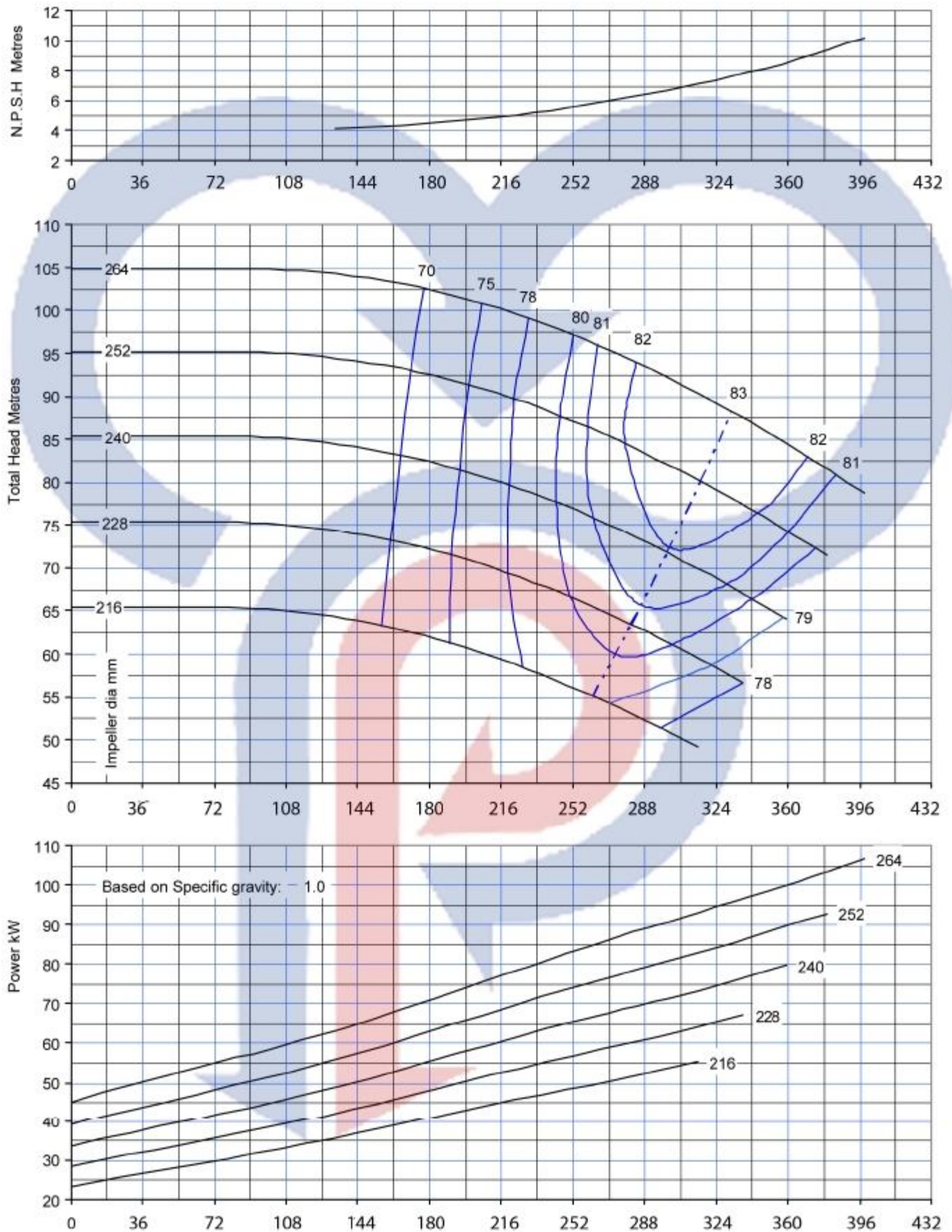
SUCTION DIA 100	DISCHARGE DIA 100	MAX PRESSURE 12 bar	PUMP MODEL GC 100-200	SPEED 3000
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SUCTION DIA 100	DISCHARGE DIA 100	MAX PRESSURE 12 bar	PUMP MODEL GC 100-250	SPEED 3000
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SUCTION DIA 125	DISCHARGE DIA 125	MAX PRESSURE 12 bar	PUMP MODEL GC 125-200	SPEED 3000
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SUCTION DIA

125

DISCHARGE DIA

125

MAX PRESSURE

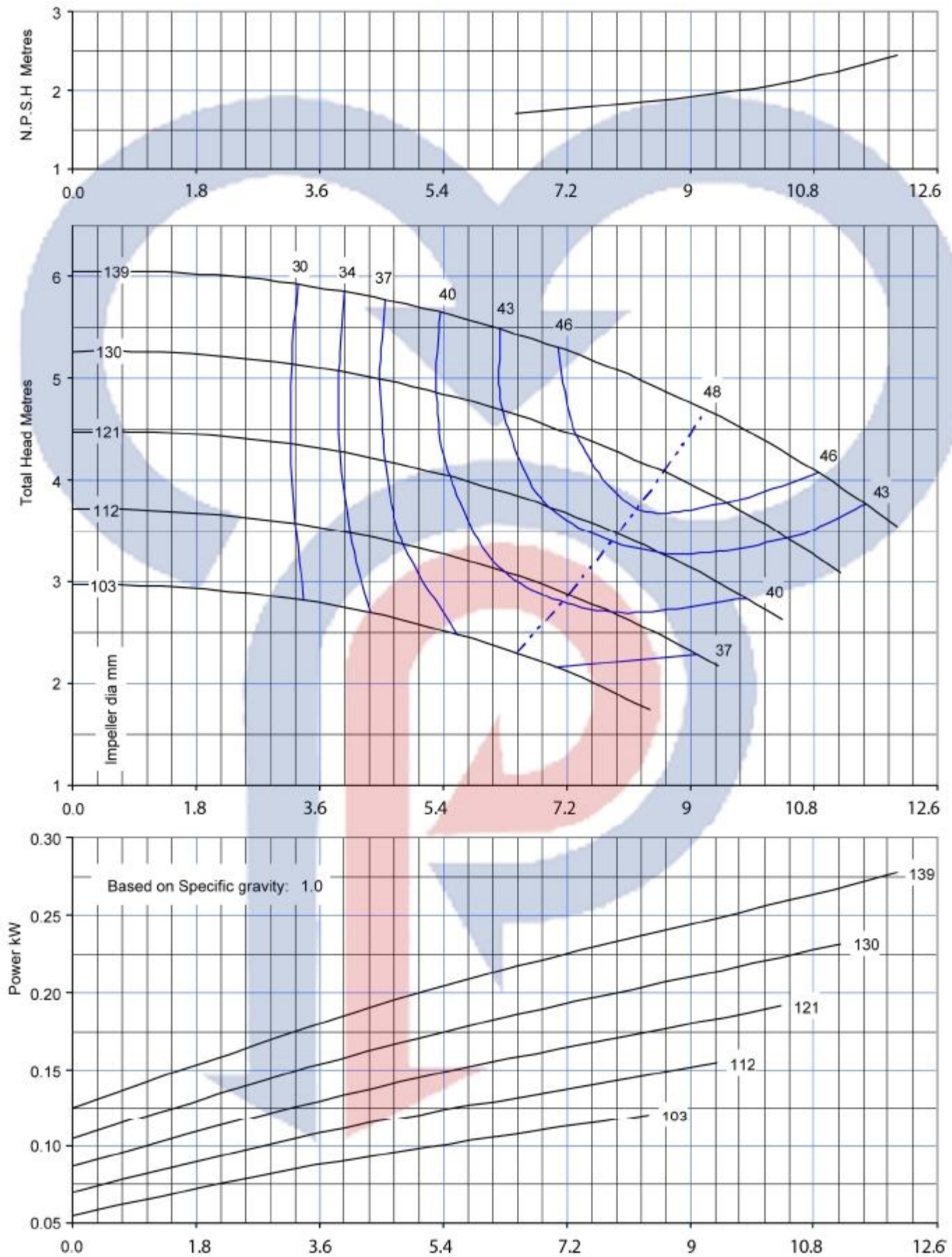
12 bar

PUMP MODEL

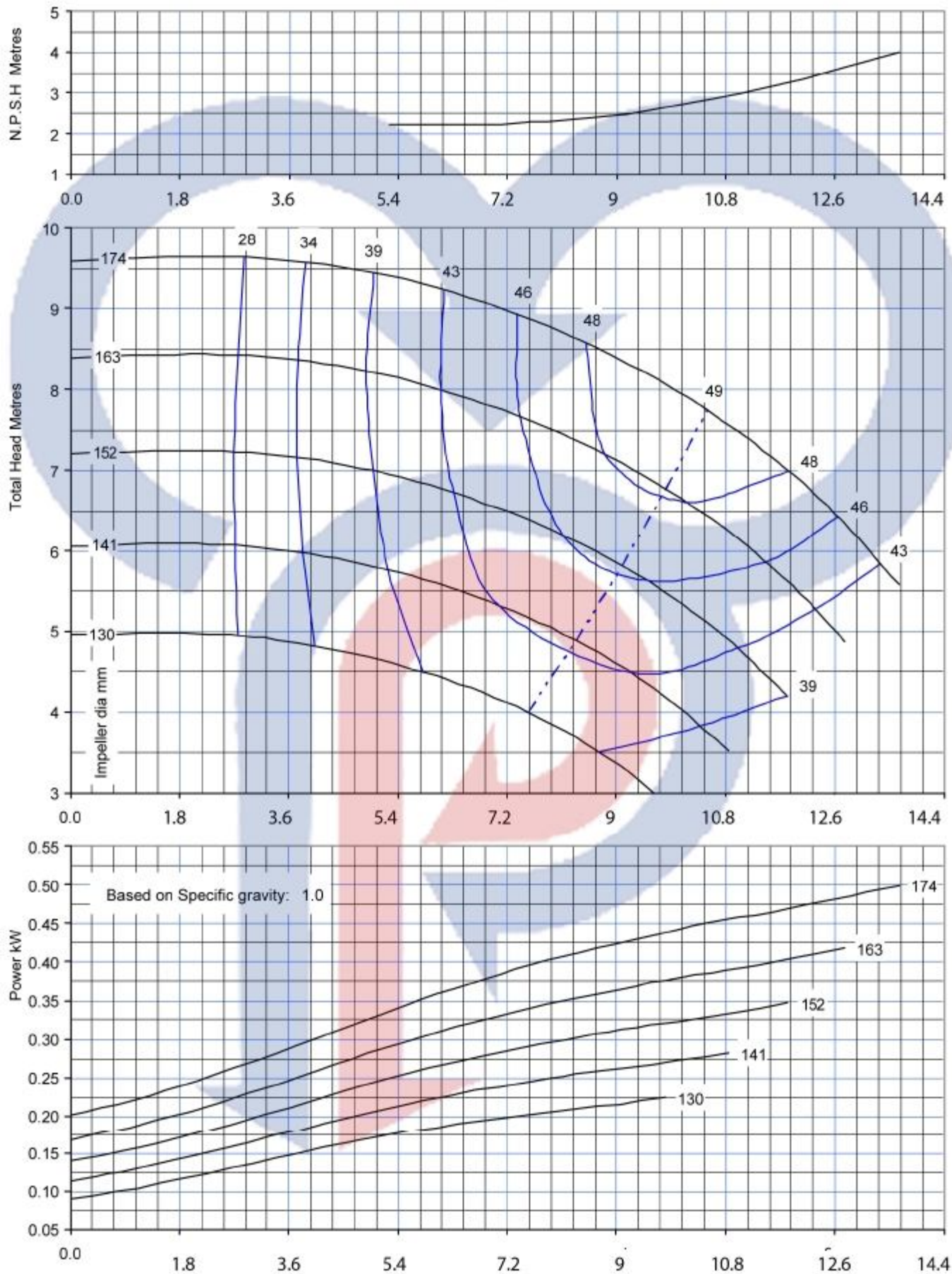
GC 125-250

SPEED

3000



SUCTION DIA	DISCHARGE DIA	MAX PRESSURE	PUMP MODEL	SPEED
40	40	12 bar	GC 40-125	1450



SUCTION DIA

50

DISCHARGE DIA

50

MAX PRESSURE

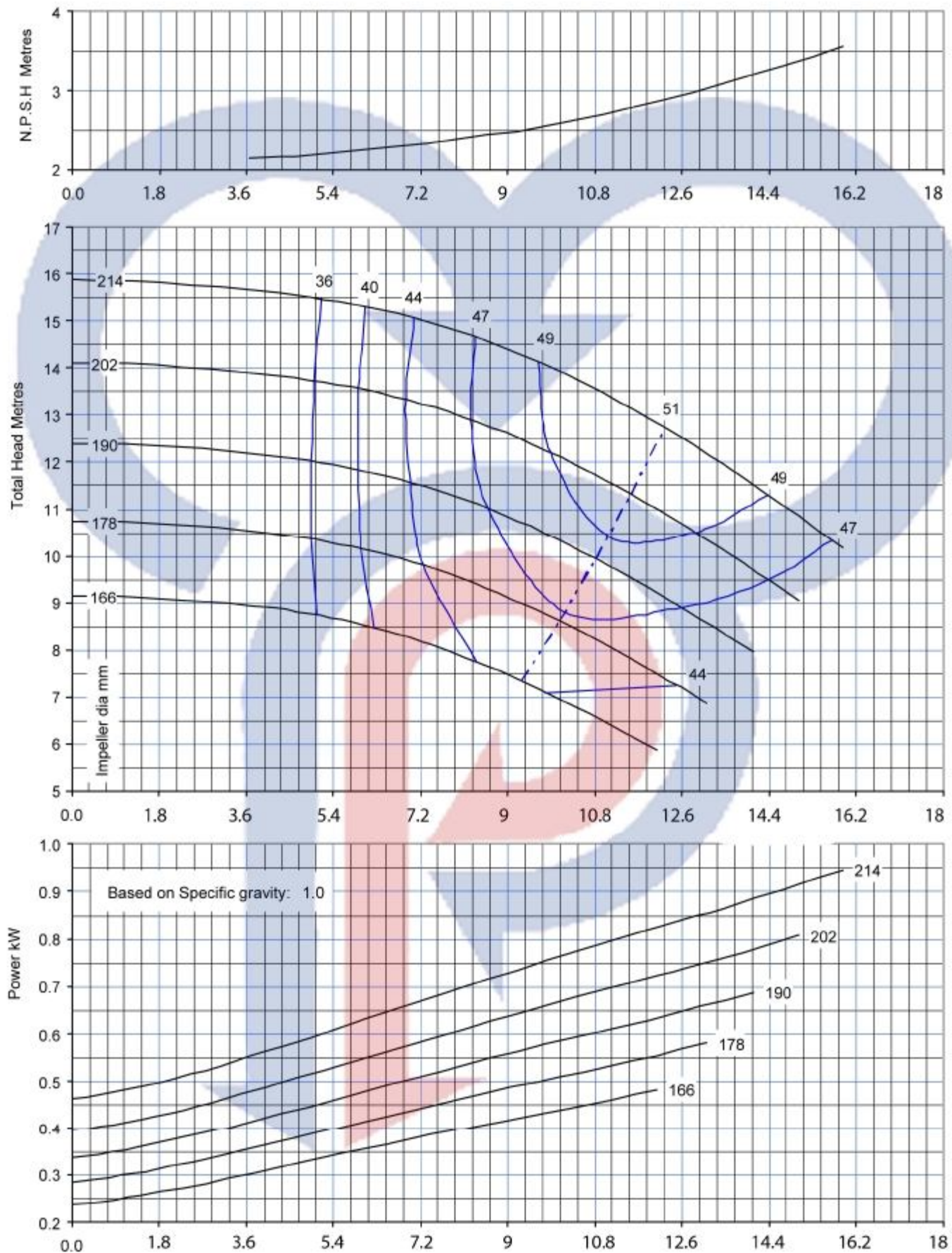
12 bar

PUMP MODEL

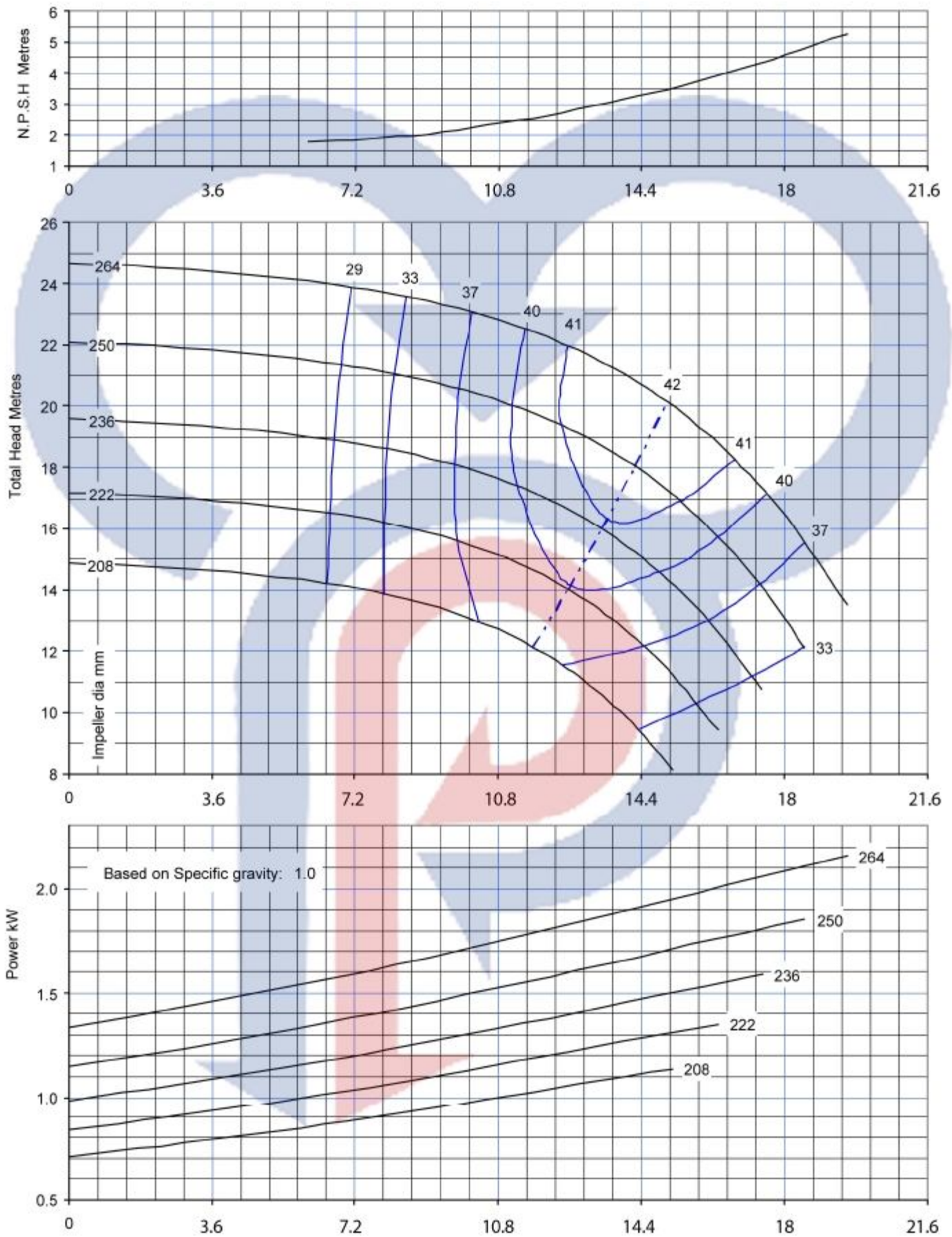
GC 50-160

SPEED

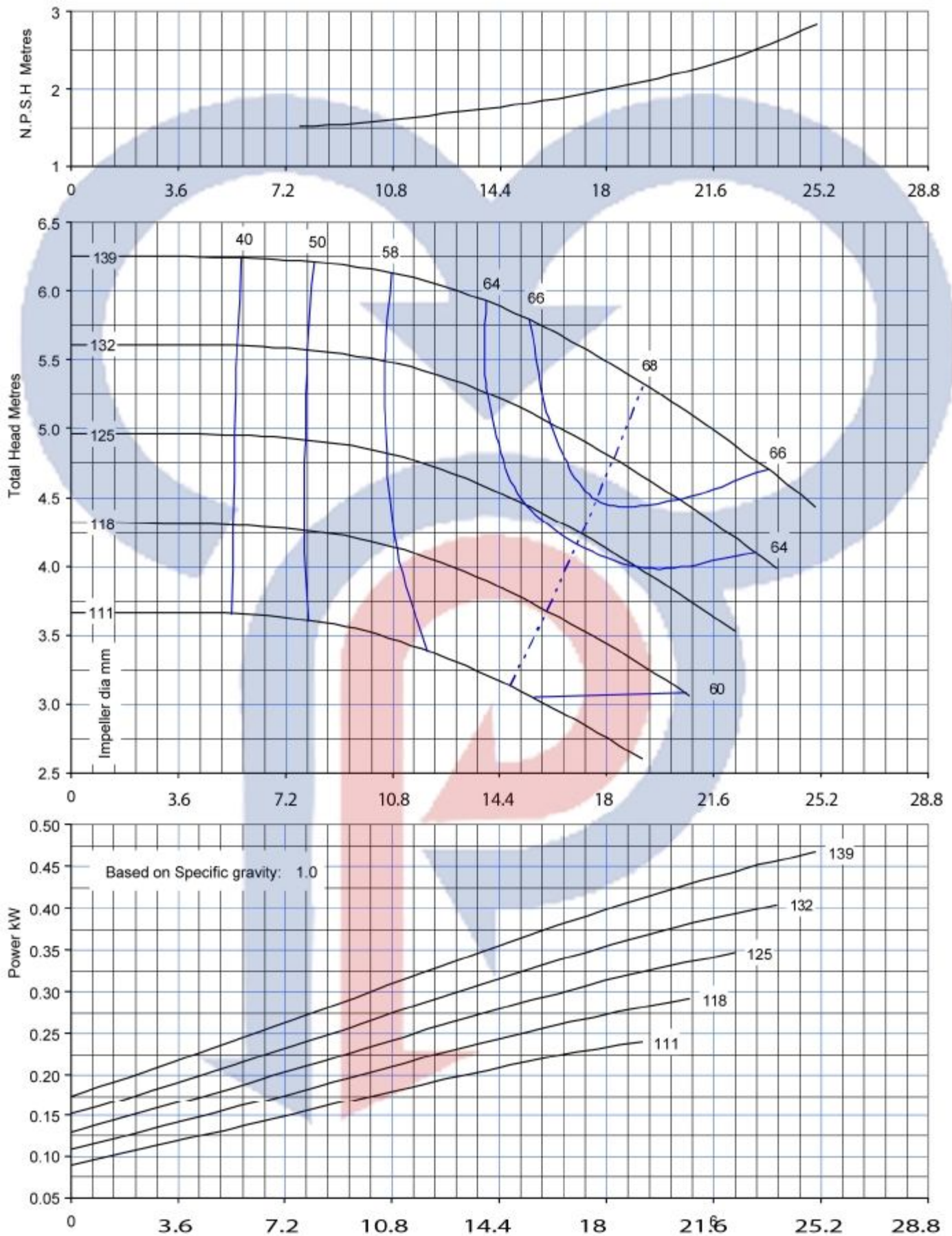
1450



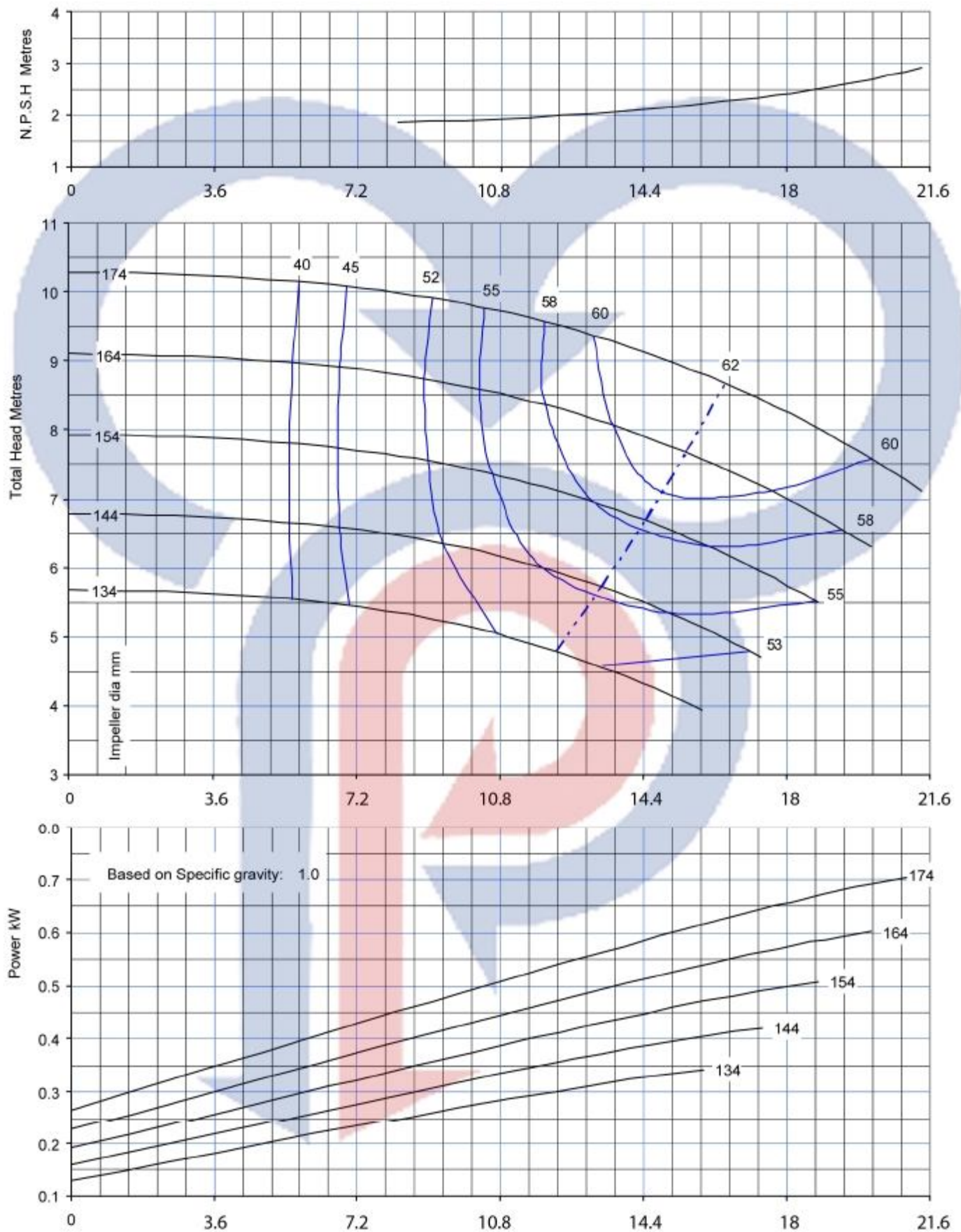
SUCTION DIA	DISCHARGE DIA	MAX PRESSURE	PUMP MODEL	SPEED
50	50	12 bar	GC 50-200	1450



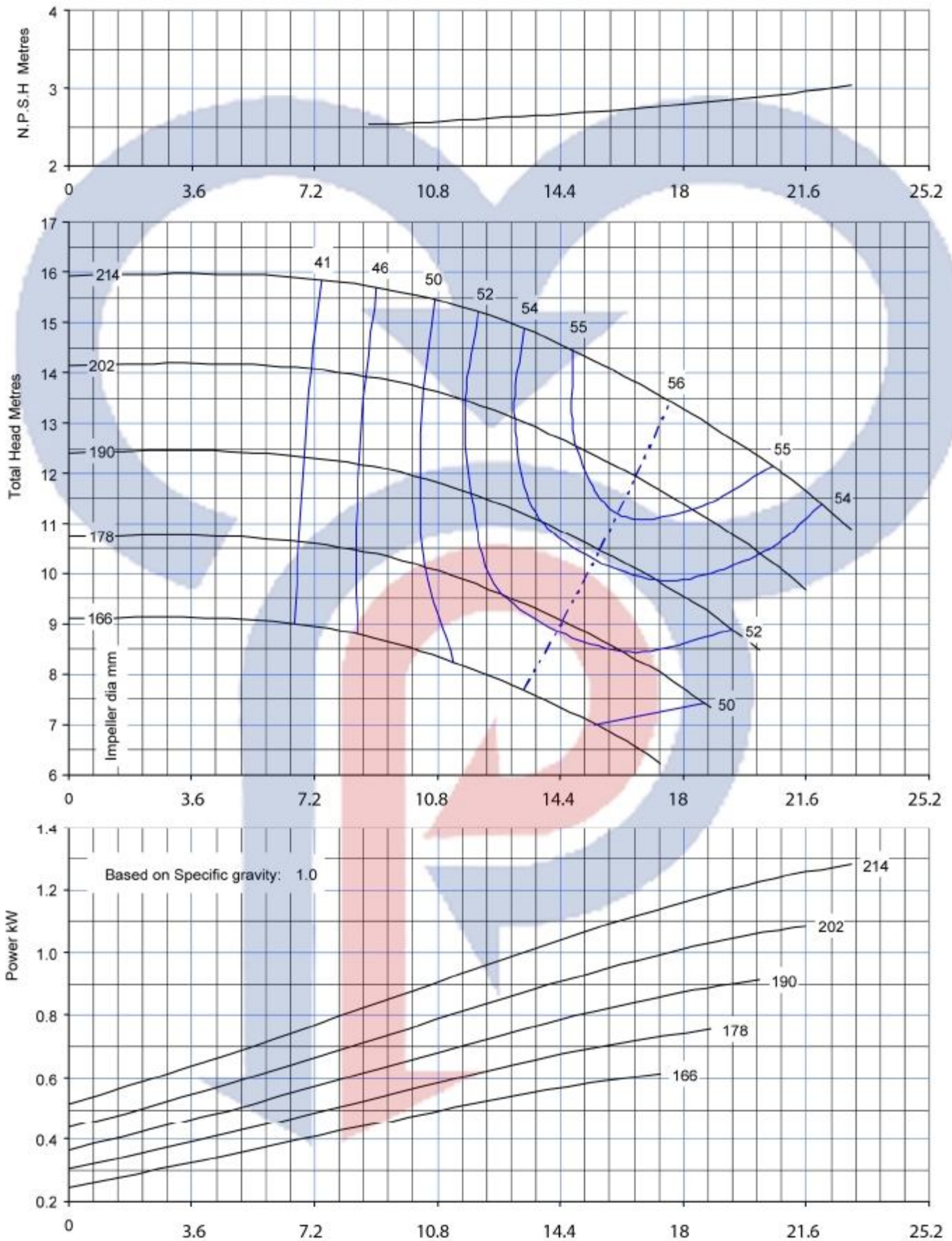
SUCTION DIA	DISCHARGE DIA	MAX PRESSURE	PUMP MODEL	SPEED
50	50	12 bar	GC 50-250	1450



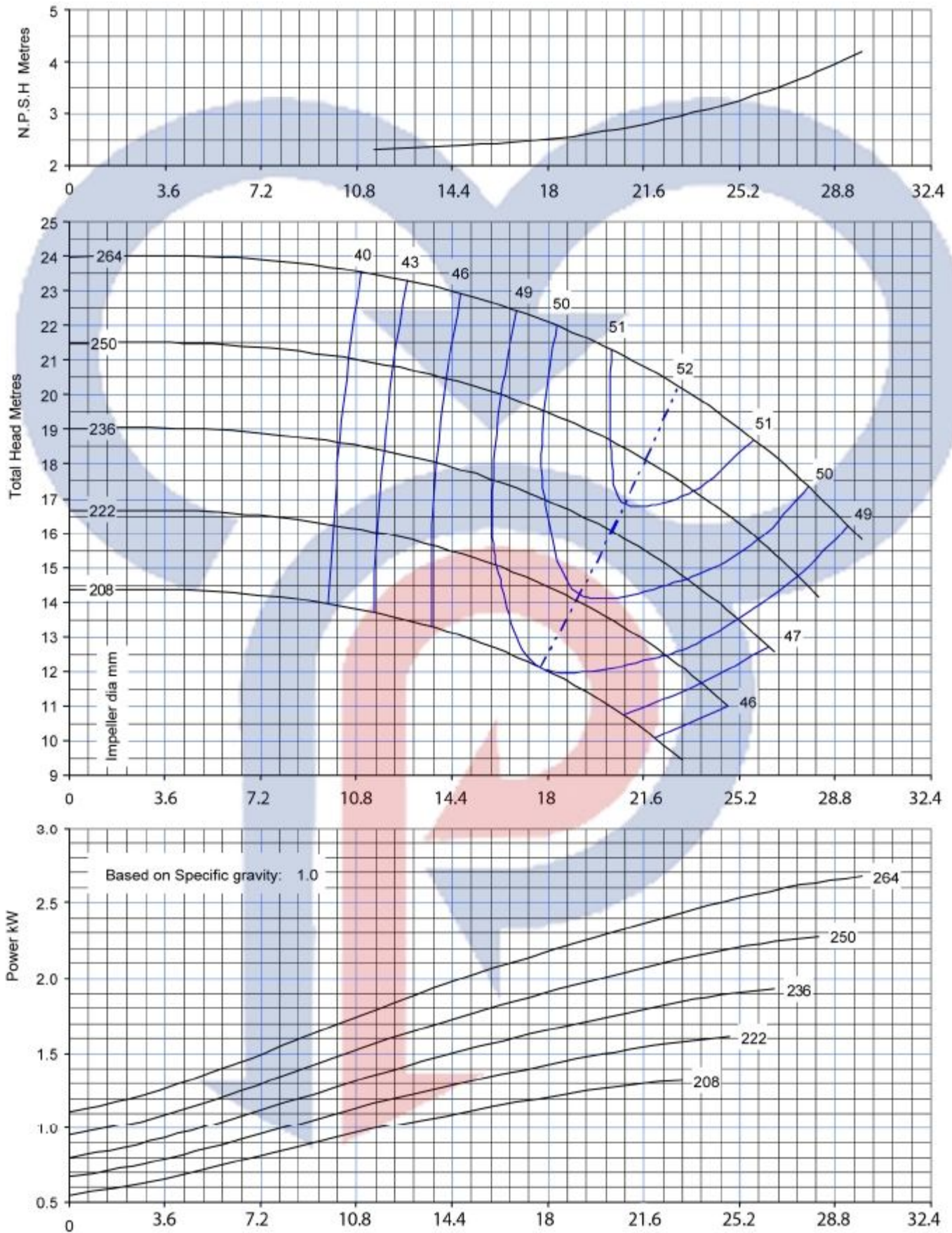
SUCTION DIA	DISCHARGE DIA	MAX PRESSURE	PUMP MODEL	SPEED
65	65	12 bar	GC 65-125	1450



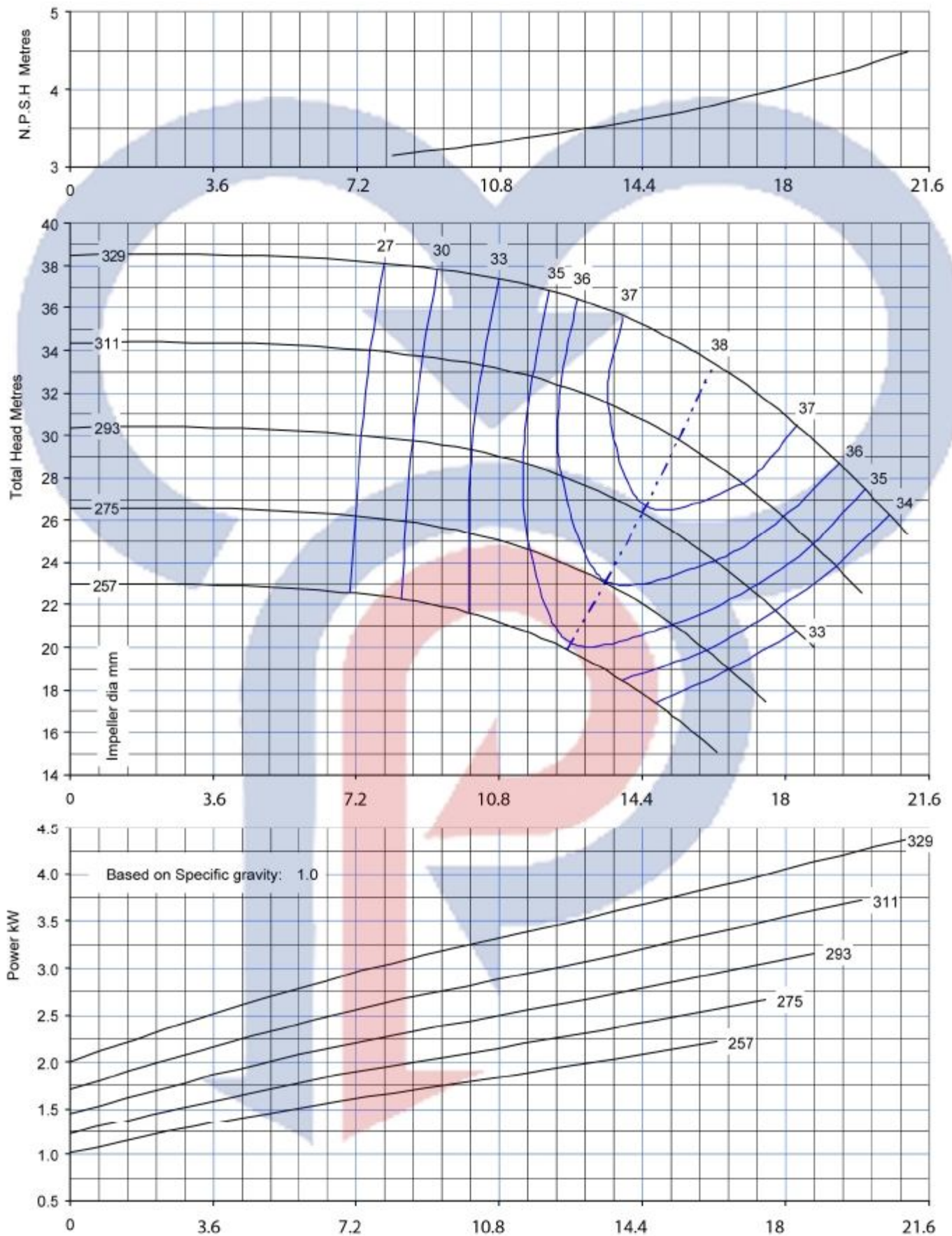
SUCTION DIA	DISCHARGE DIA	MAX PRESSURE	PUMP MODEL	SPEED
65	65	12 bar	GC 65-160	1450



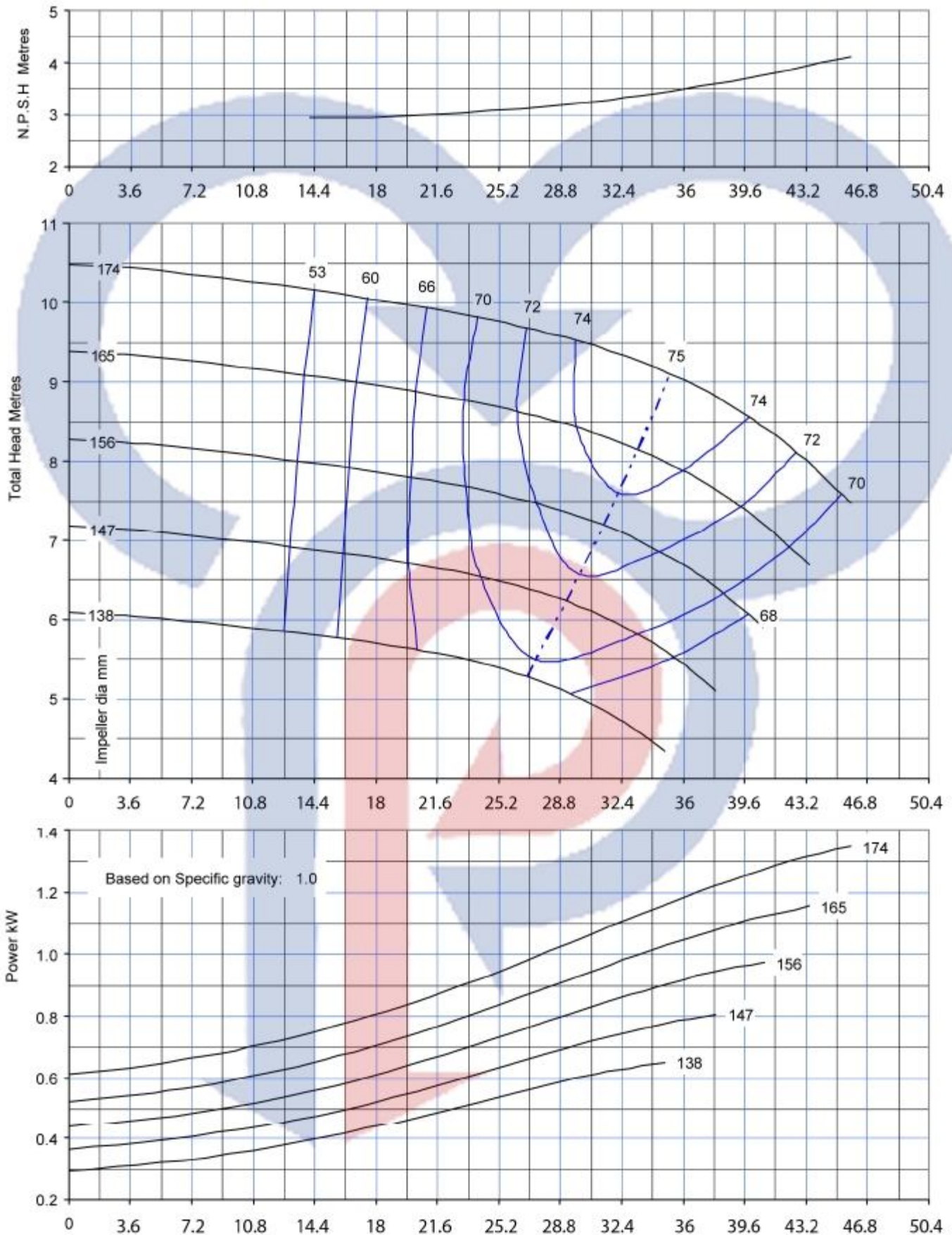
SUCTION DIA	DISCHARGE DIA	MAX PRESSURE	PUMP MODEL	SPEED
65	65	12 bar	GC 65-200	1450



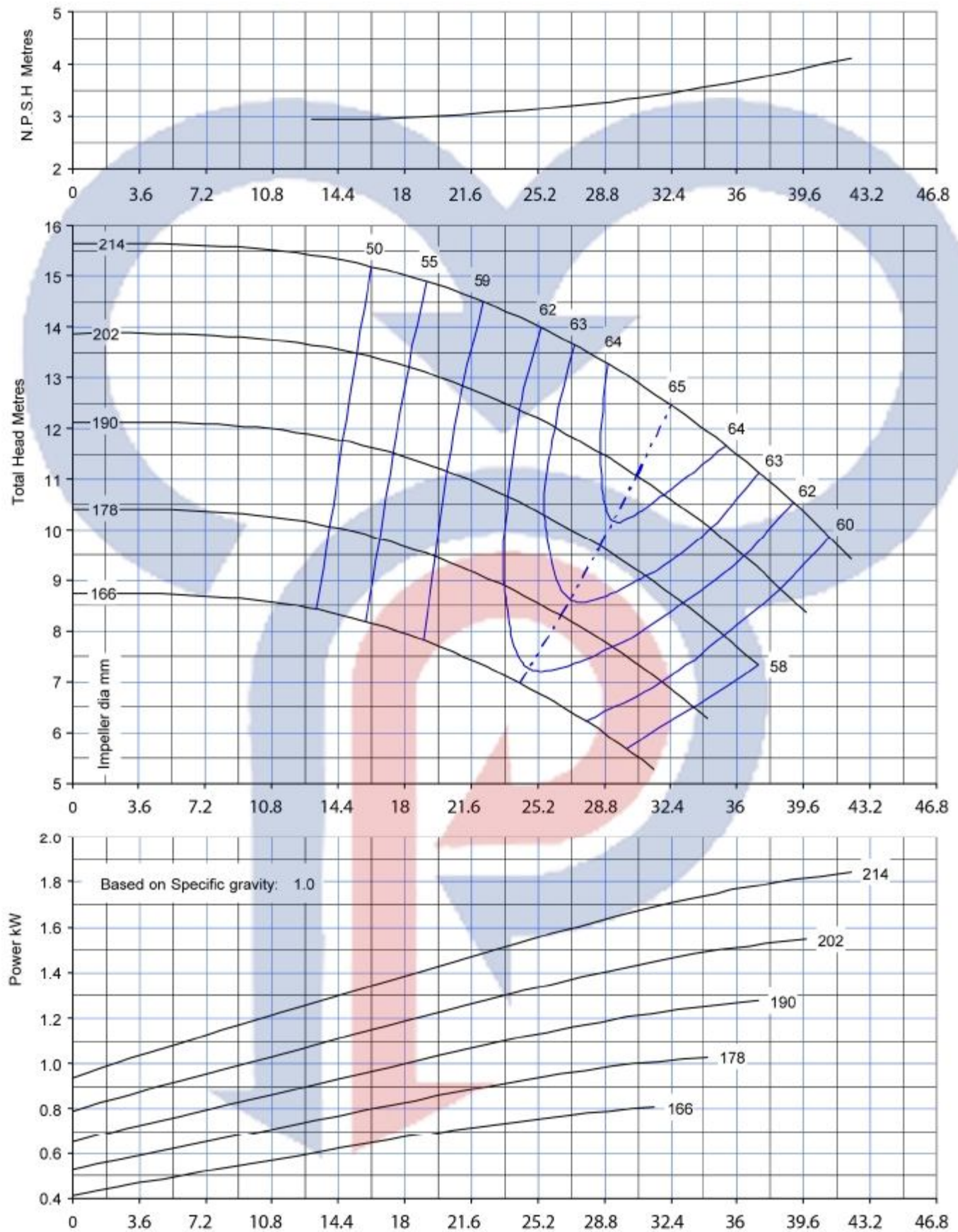
SUCTION DIA	DISCHARGE DIA	MAX PRESSURE	PUMP MODEL	SPEED
65	65	12 bar	GC 65-250	1450



SUCTION DIA	DISCHARGE DIA	MAX PRESSURE	PUMP MODEL	SPEED
65	65	12 bar	GC 65-315	1450



SUCTION DIA	DISCHARGE DIA	MAX PRESSURE	PUMP MODEL	SPEED
65	65	12 bar	GC 65-160A	1450



SUCTION DIA

65

DISCHARGE DIA

65

MAX PRESSURE

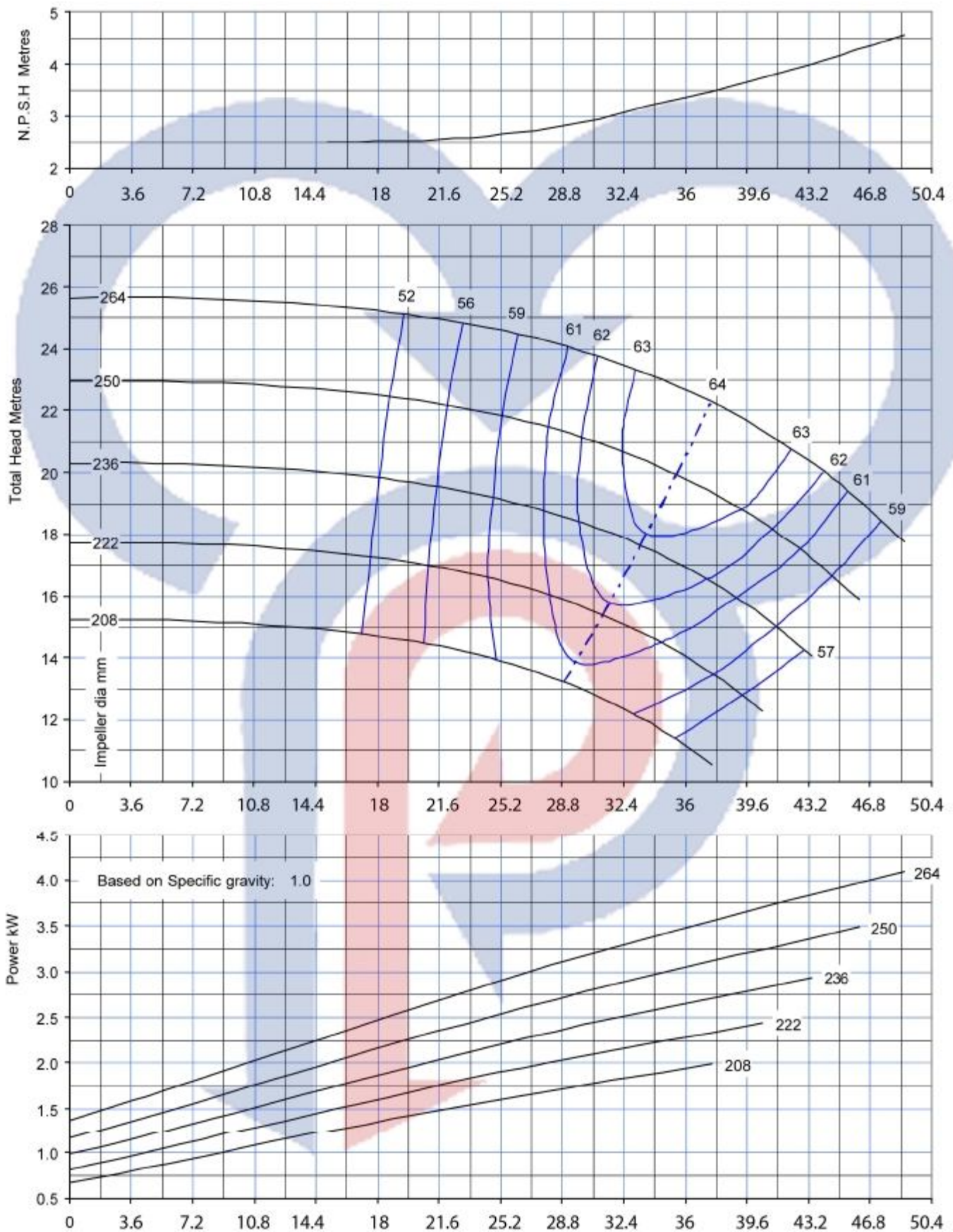
12 bar

PUMP MODEL

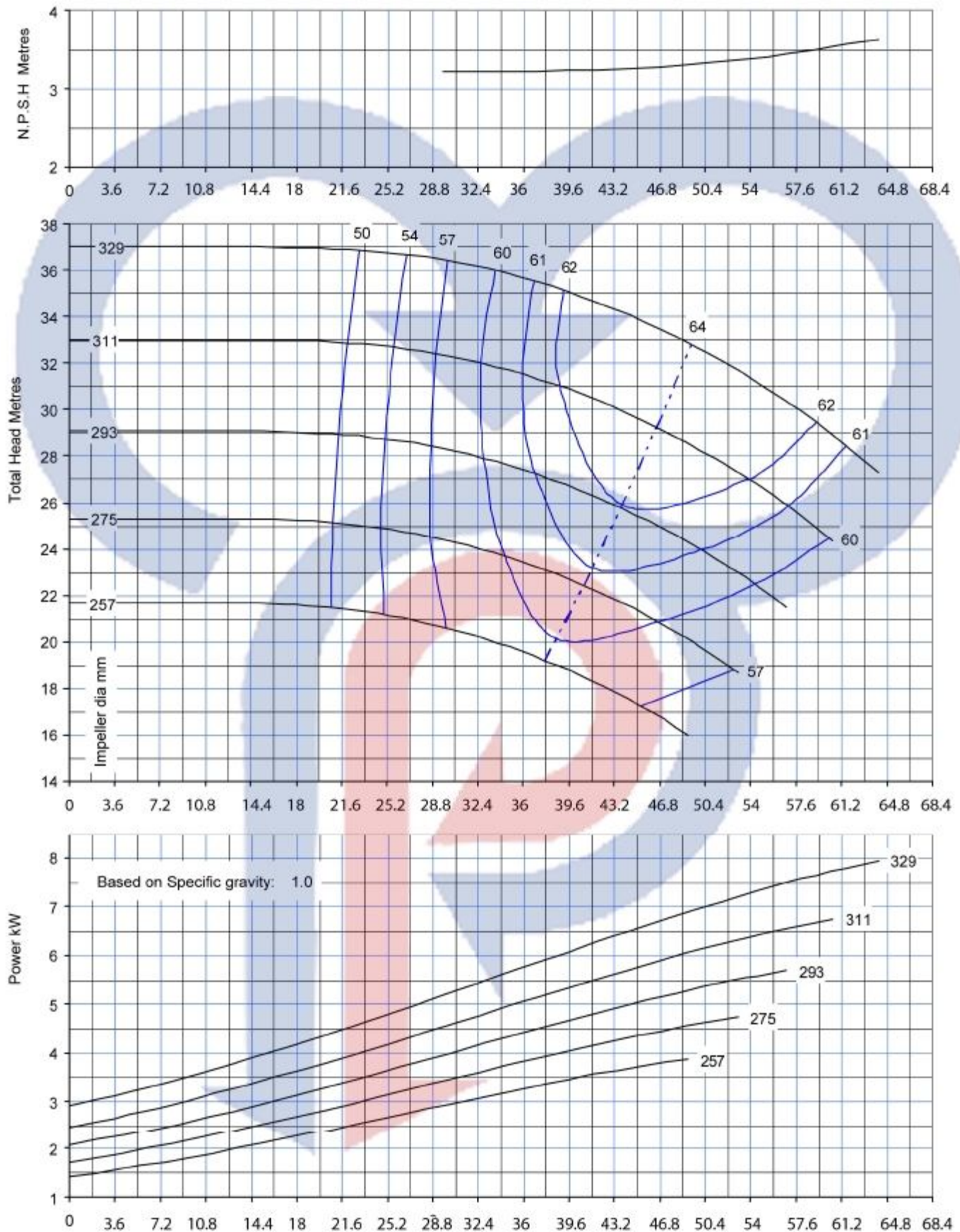
GC 65-200A

SPEED

1450



SUCTION DIA	DISCHARGE DIA	MAX PRESSURE	PUMP MODEL	SPEED
65	65	12 bar	GC 65-250A	1450



SUCTION DIA

65

DISCHARGE DIA

65

MAX PRESSURE

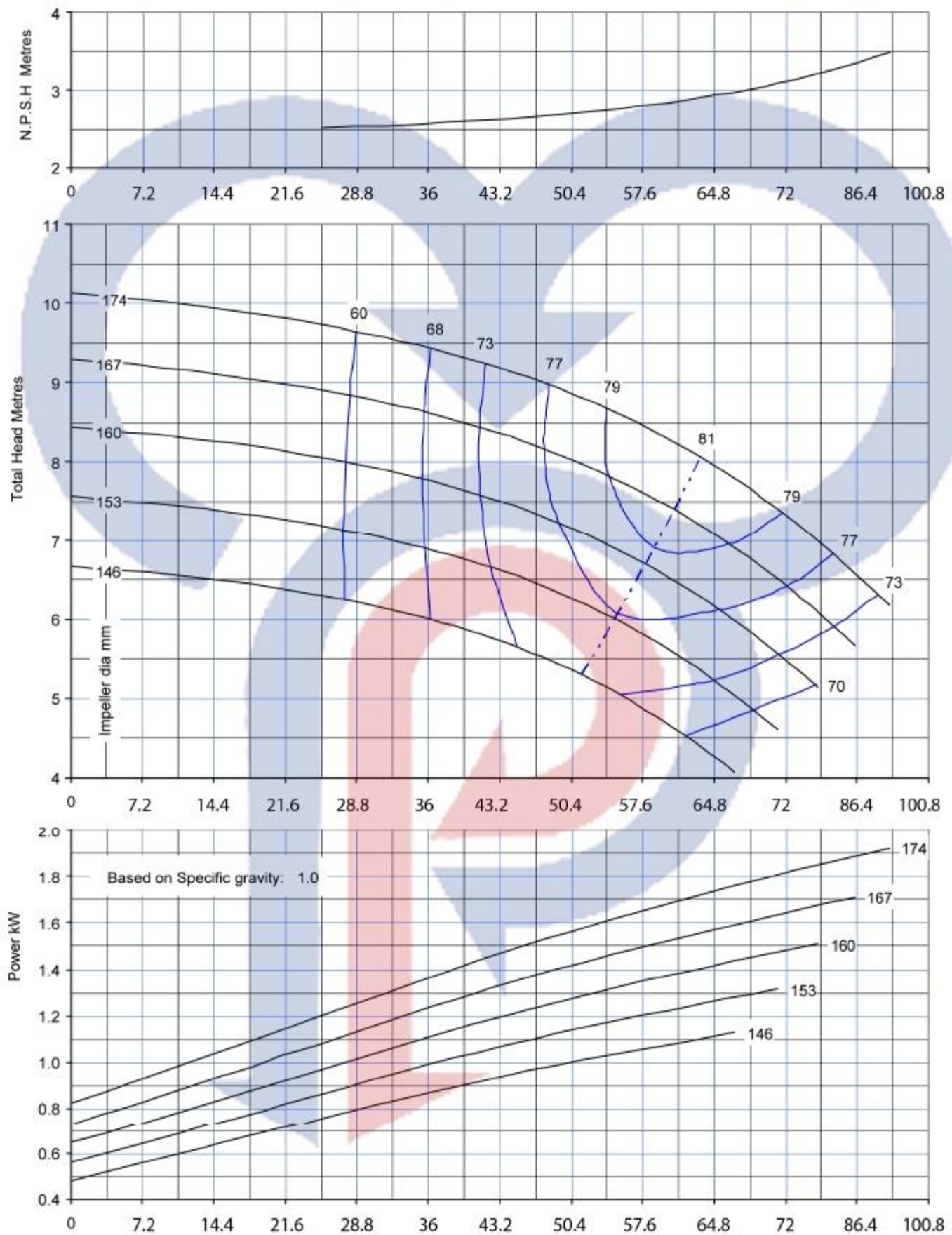
12 bar

PUMP MODEL

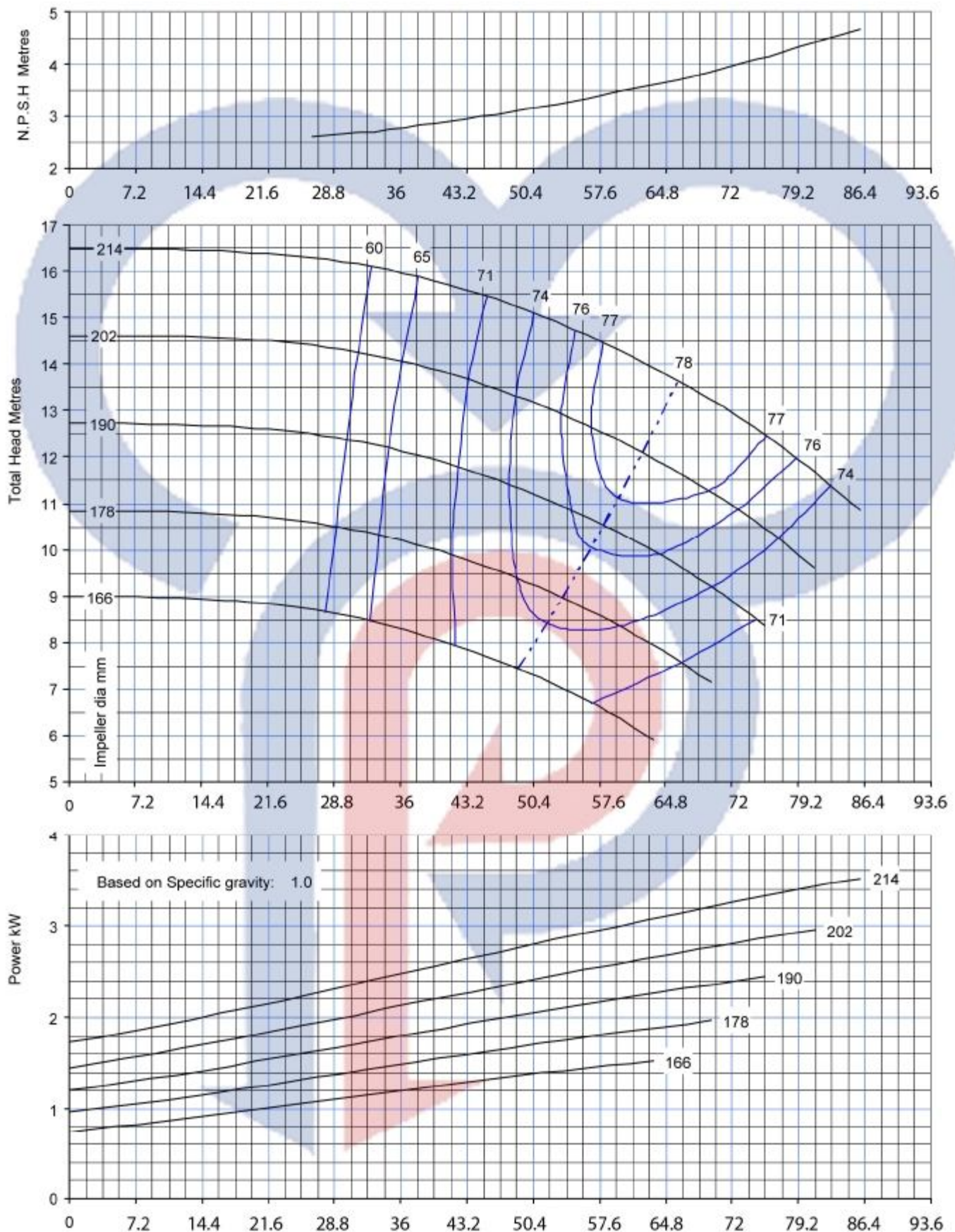
GC 65-315A

SPEED

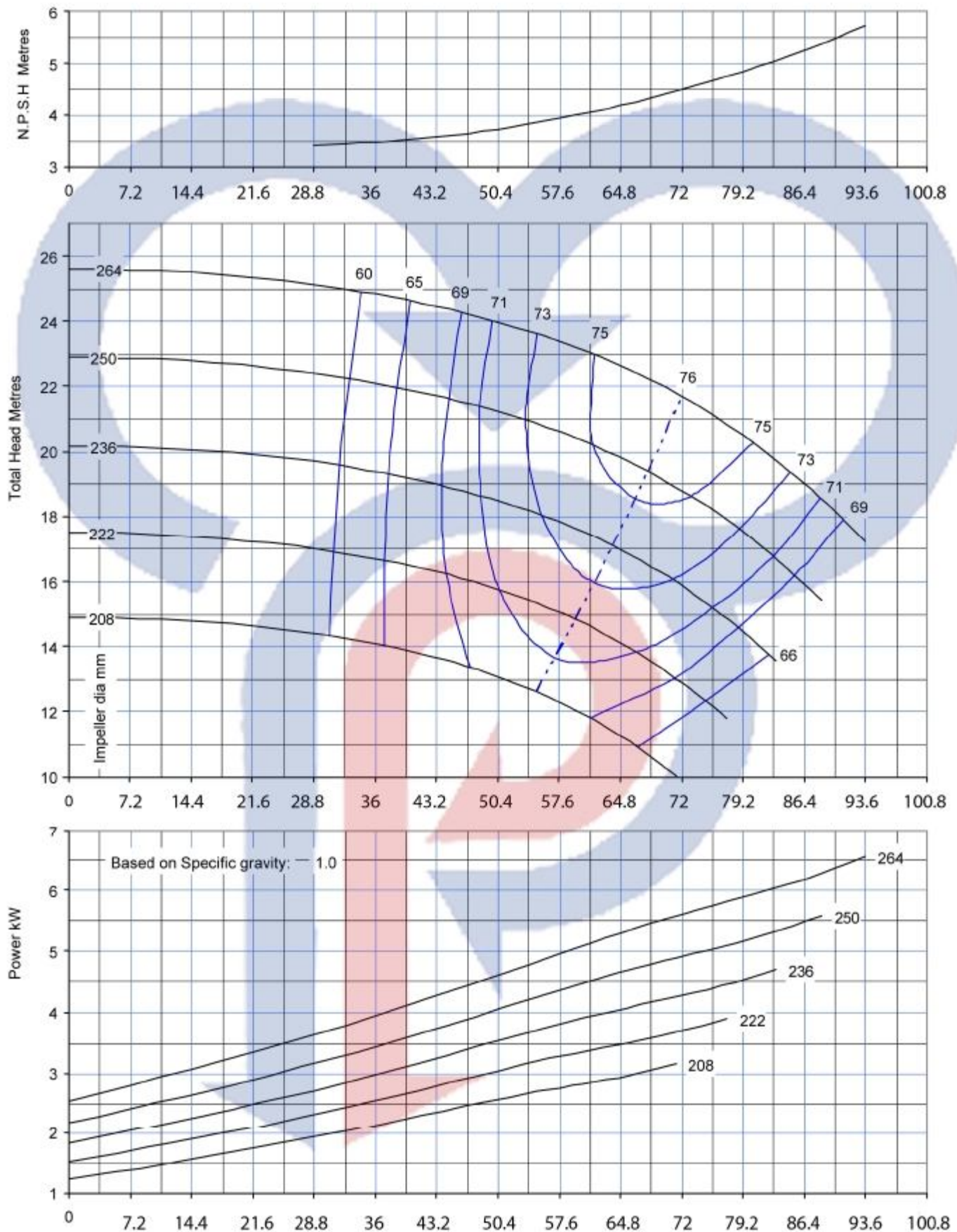
1450



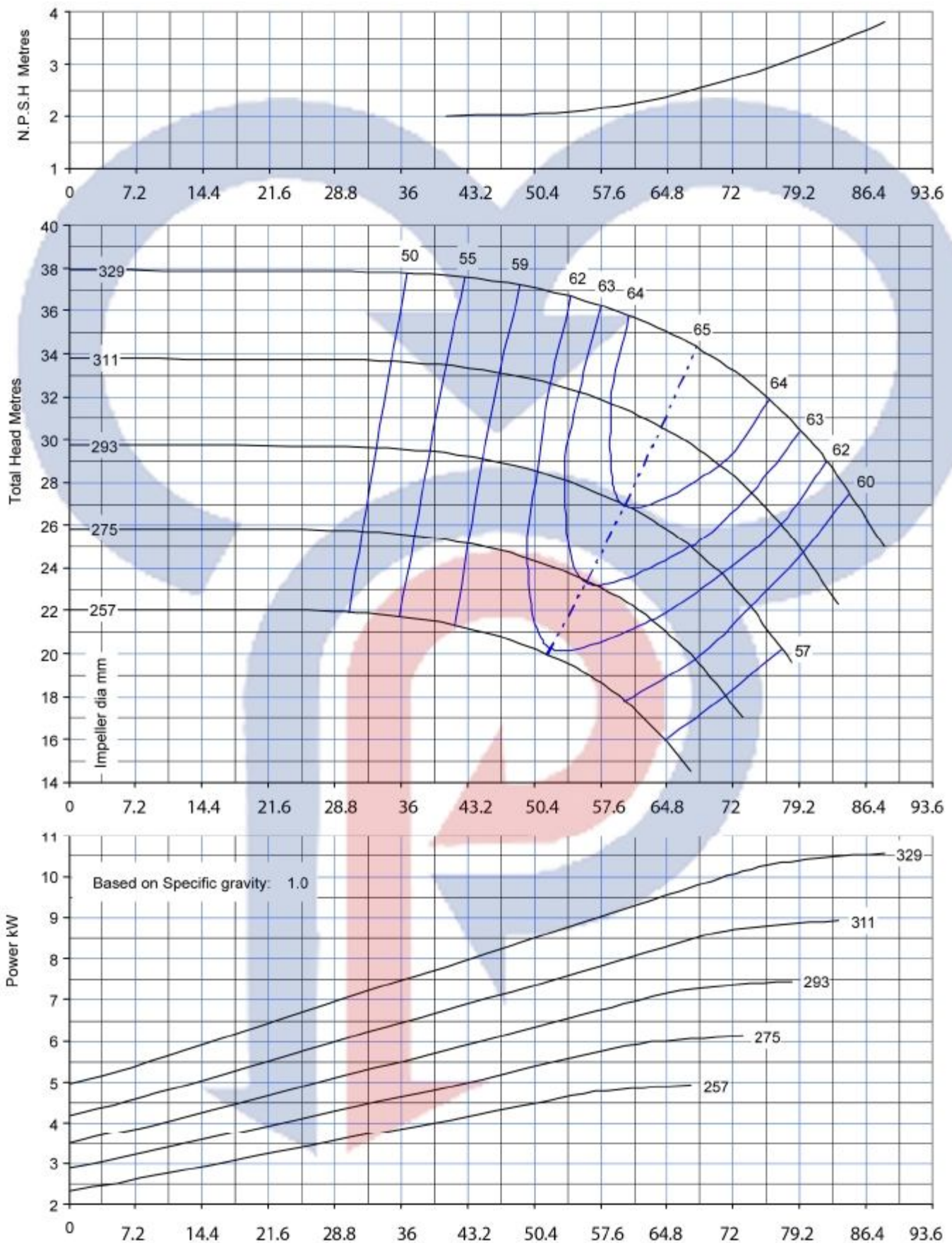
SUCTION DIA	DISCHARGE DIA	MAX PRESSURE	PUMP MODEL	SPEED
80	80	12 bar	GC80-160	1450



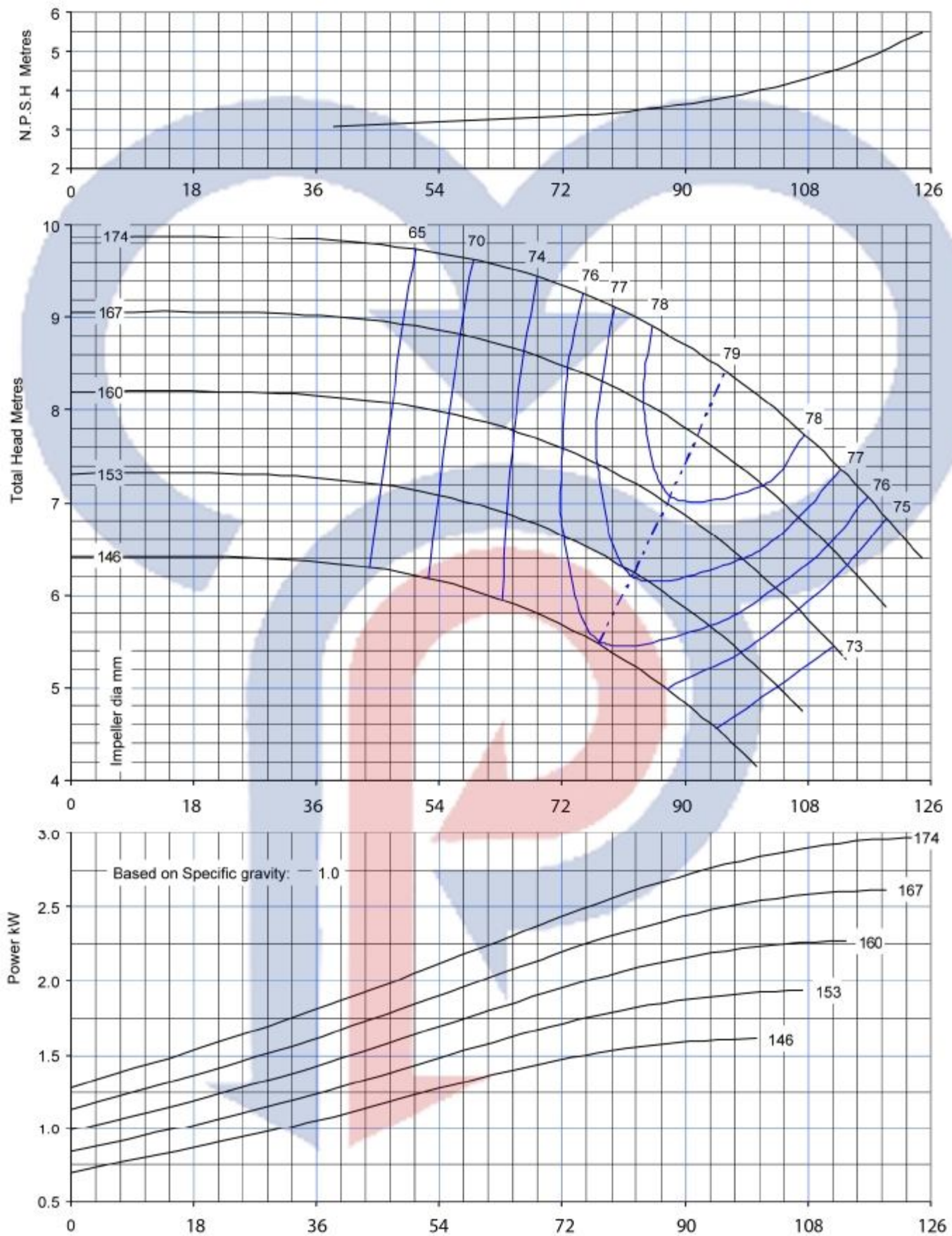
SUCTION DIA	DISCHARGE DIA	MAX PRESSURE	PUMP MODEL	SPEED
80	80	12 bar	GC 80-200	1450



SUCTION DIA	DISCHARGE DIA	MAX PRESSURE	PUMP MODEL	SPEED
80	80	12 bar	GC 80-250	1450



SUCTION DIA	DISCHARGE DIA	MAX PRESSURE	PUMP MODEL	SPEED
80	80	12 bar	GC 80-315	1450



SUCTION DIA

100

DISCHARGE DIA

100

MAX PRESSURE

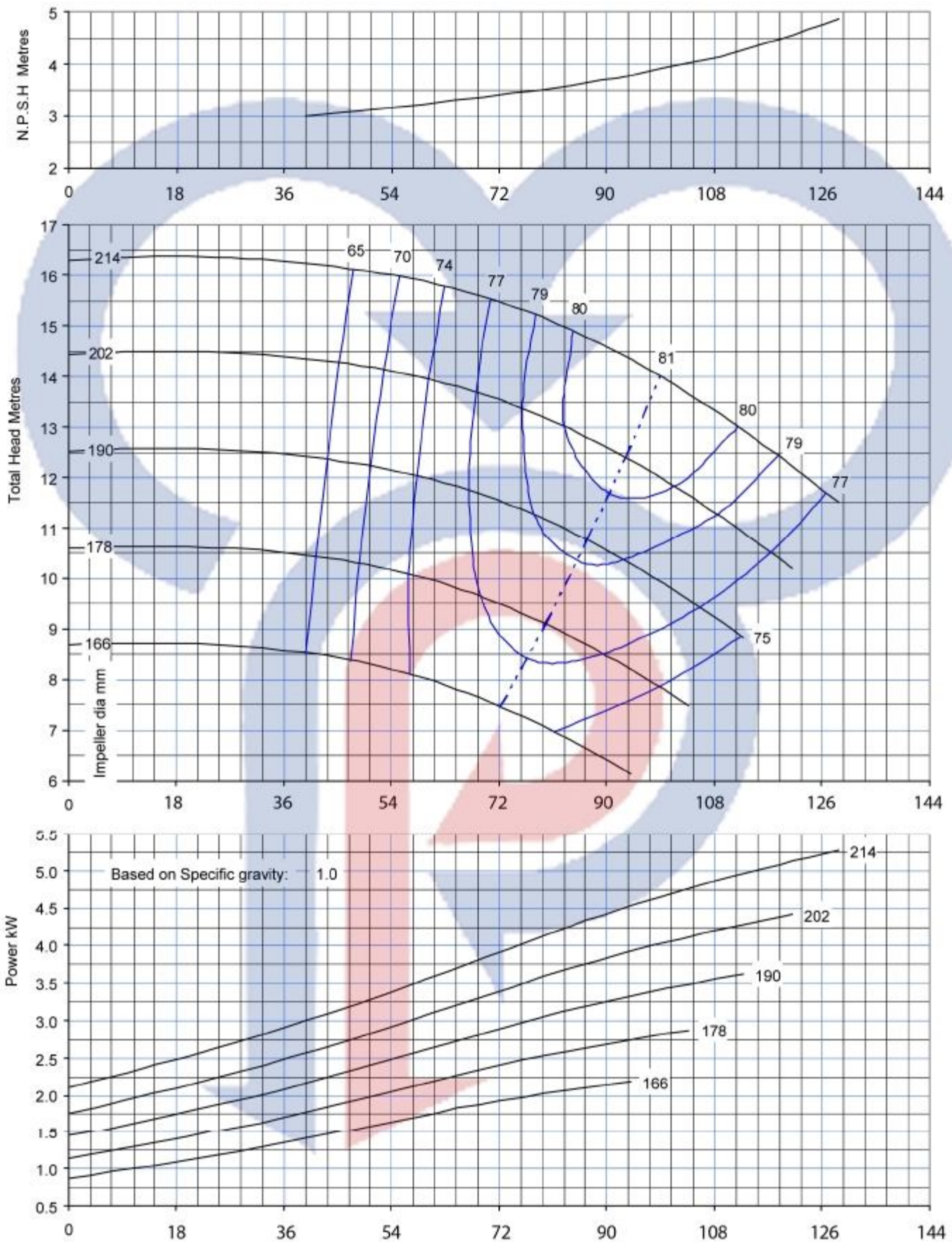
12 bar

PUMP MODEL

GC 100-160

SPEED

1450



SUCTION DIA

100

DISCHARGE DIA

100

MAX PRESSURE

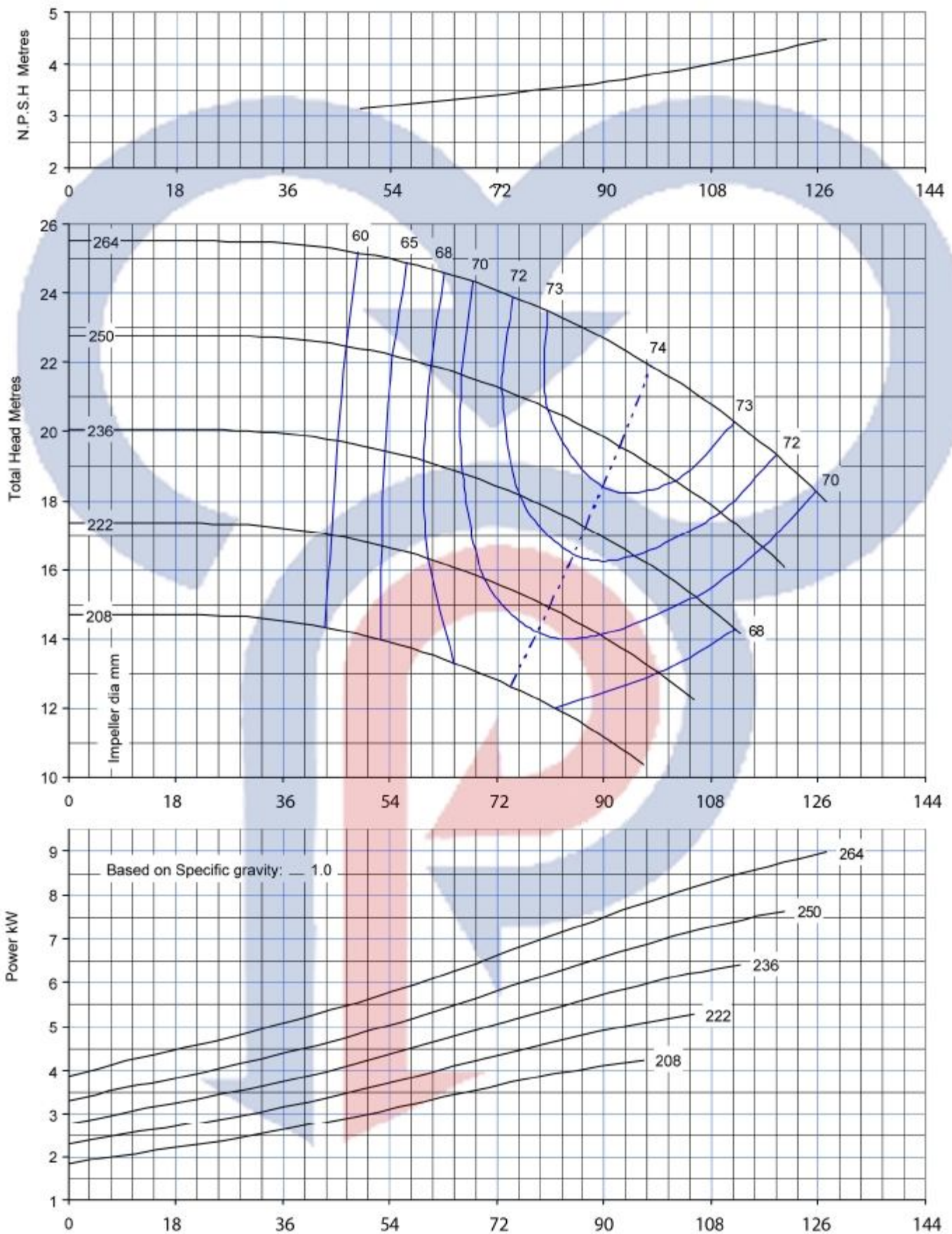
12 bar

PUMP MODEL

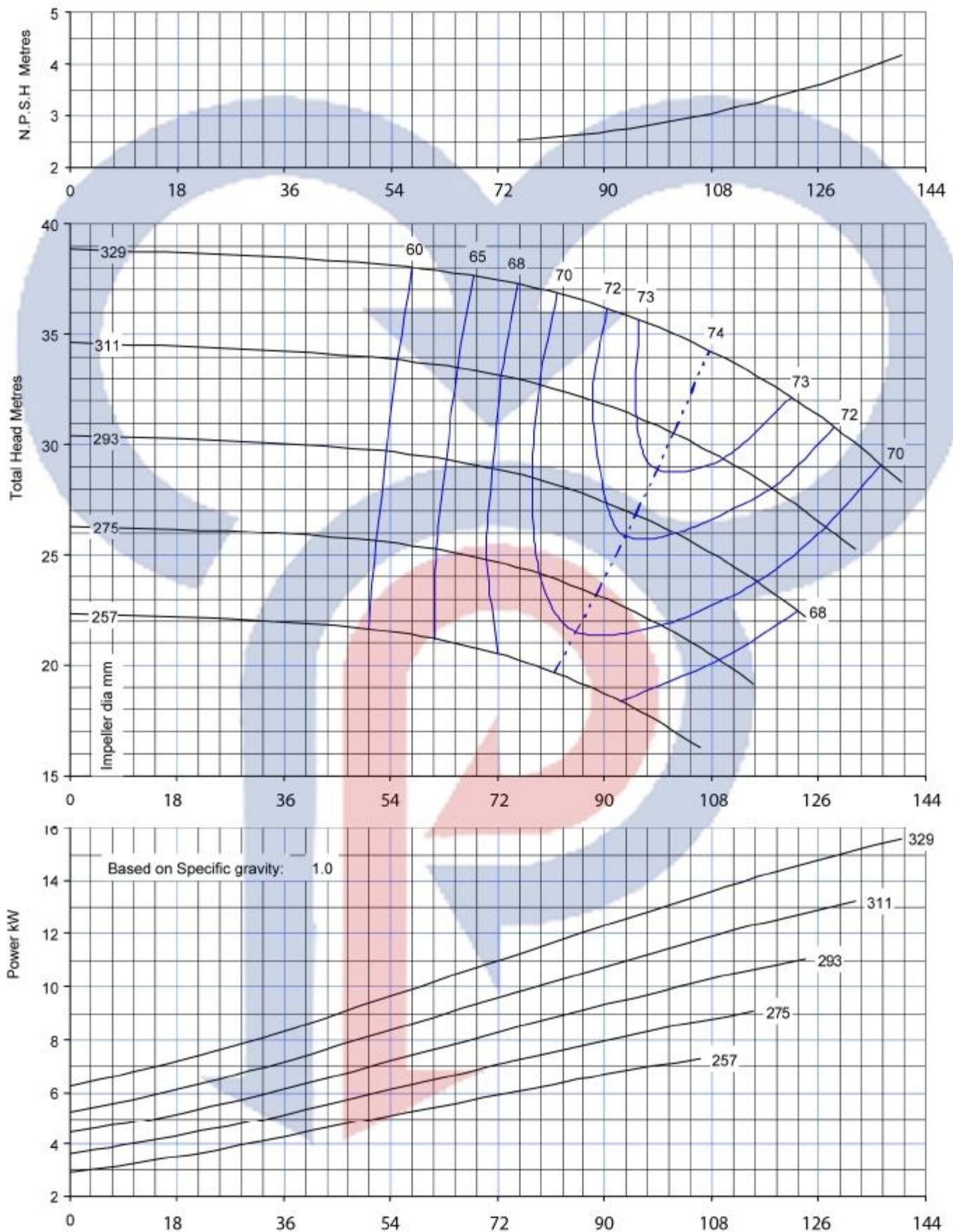
GC 100-200

SPEED

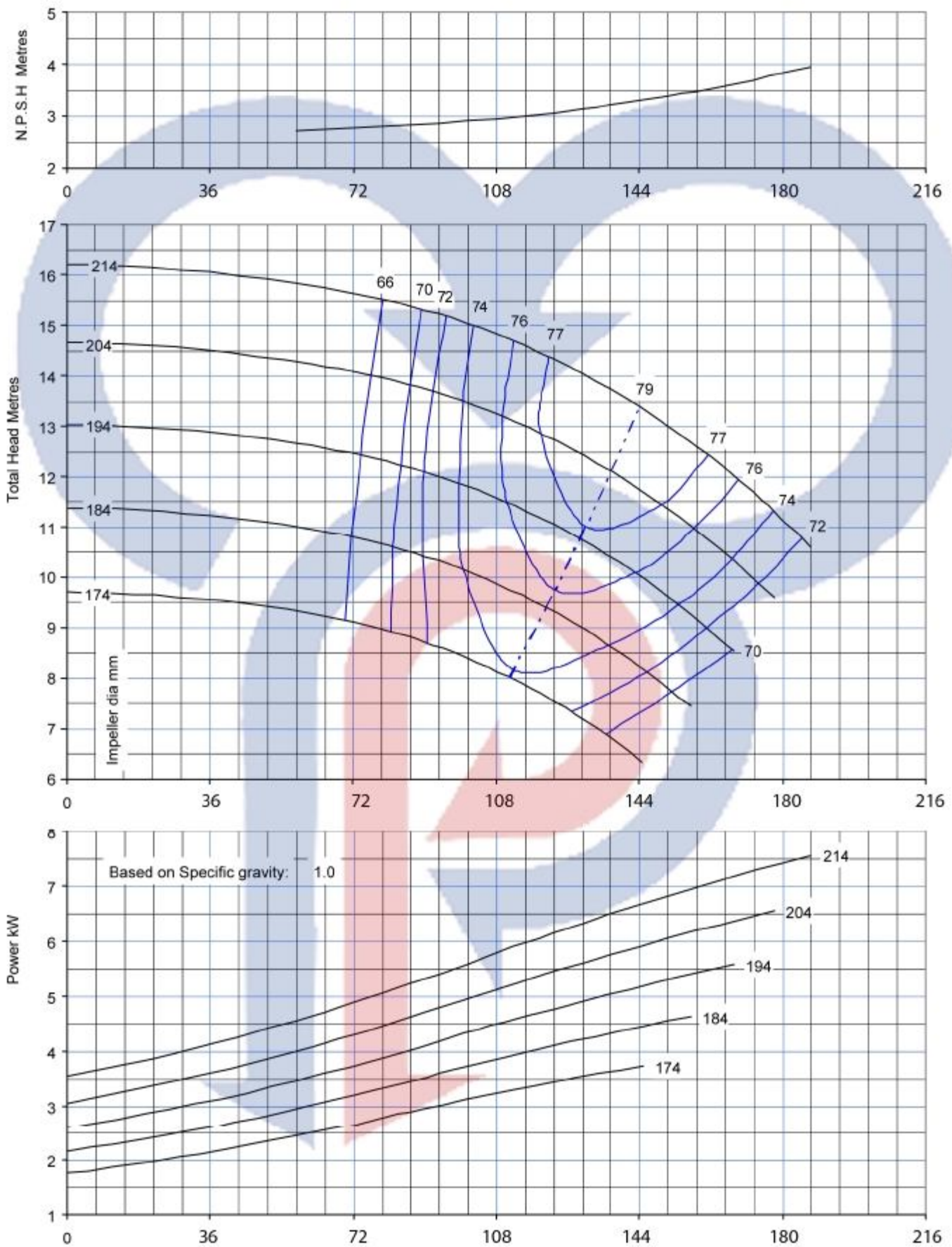
1450



SUCTION DIA	DISCHARGE DIA	MAX PRESSURE	PUMP MODEL	SPEED
100	100	12 bar	GC 100-250	1450



SUCTION DIA	DISCHARGE DIA	MAX PRESSURE	PUMP MODEL	SPEED
100	100	12 bar	GC 100-315	1450



SUCTION DIA

125

DISCHARGE DIA

125

MAX PRESSURE

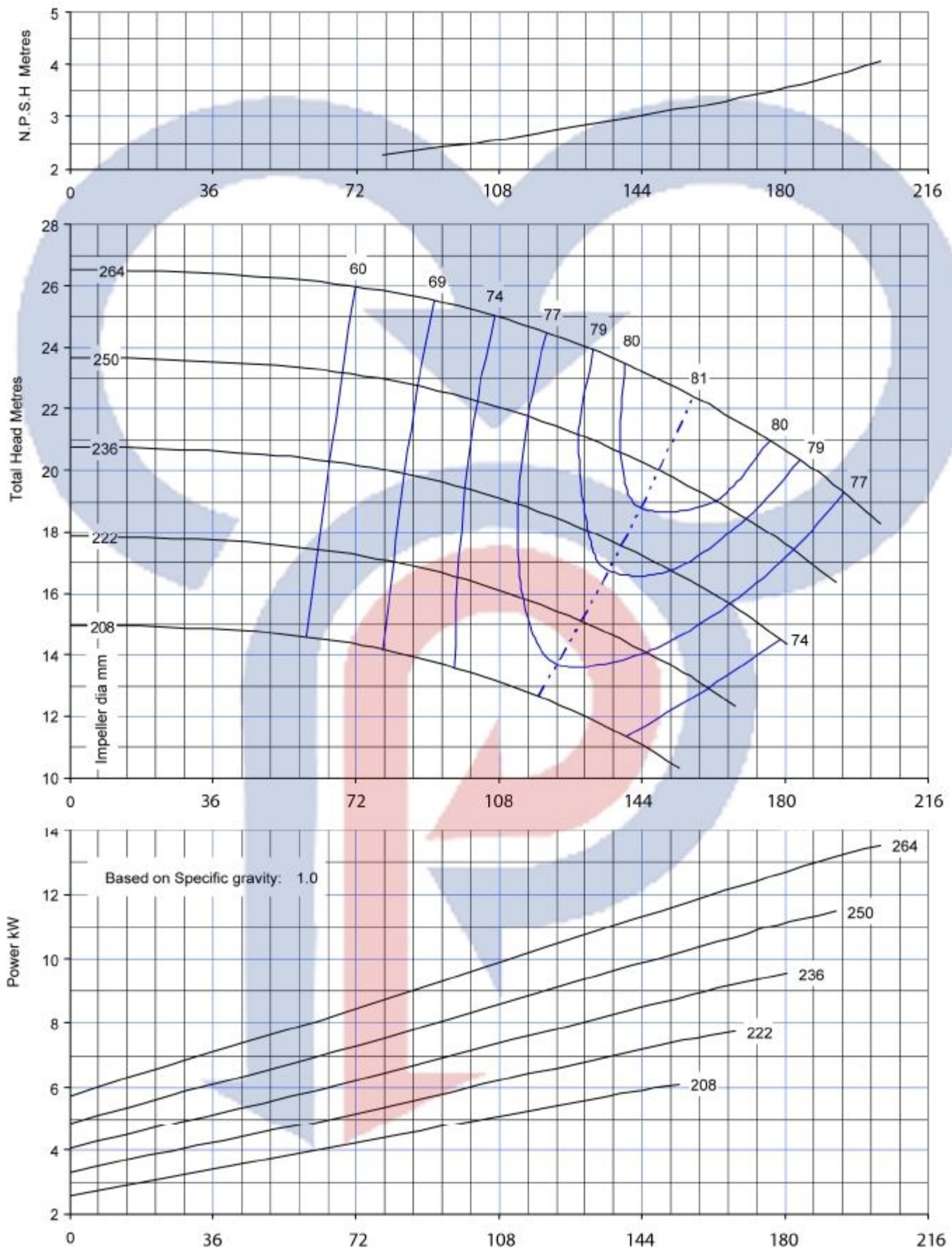
12 bar

PUMP MODEL

GC 125-200

SPEED

1450



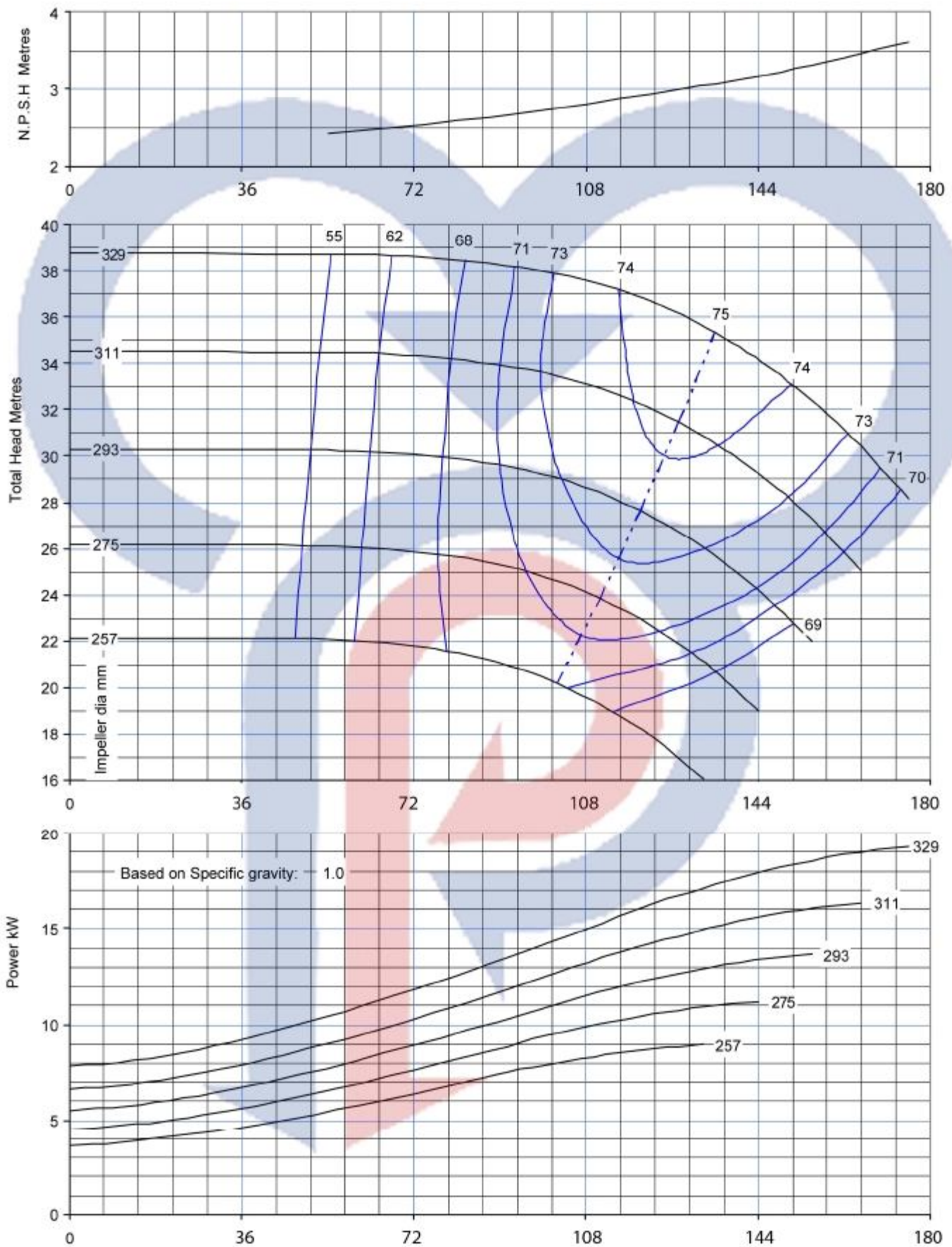
SUCTION DIA
125

DISCHARGE DIA
125

MAX PRESSURE
12 bar

PUMP MODEL
GC 125-250

SPEED
1450



SUCTION DIA

125

DISCHARGE DIA

125

MAX PRESSURE

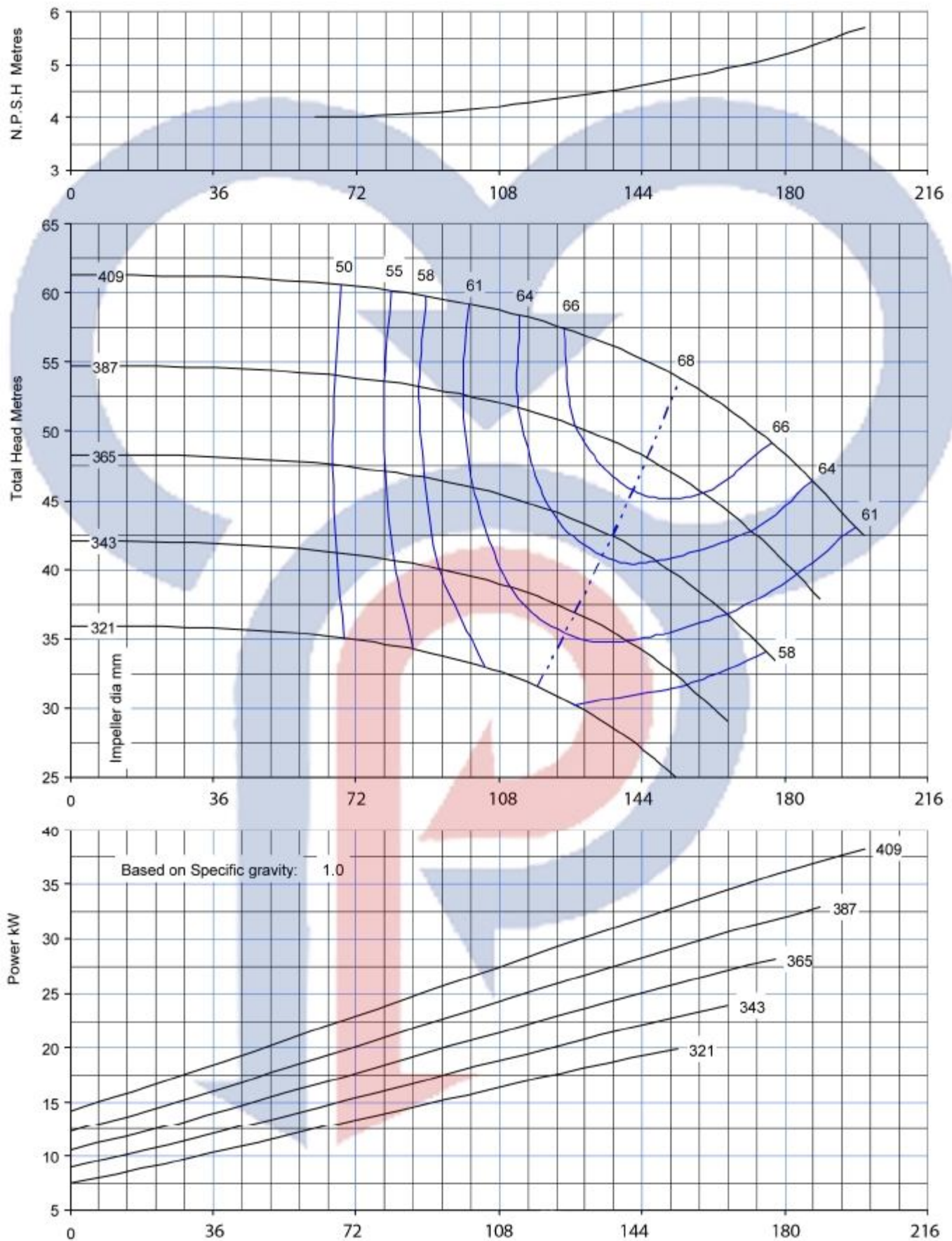
12 bar

PUMP MODEL

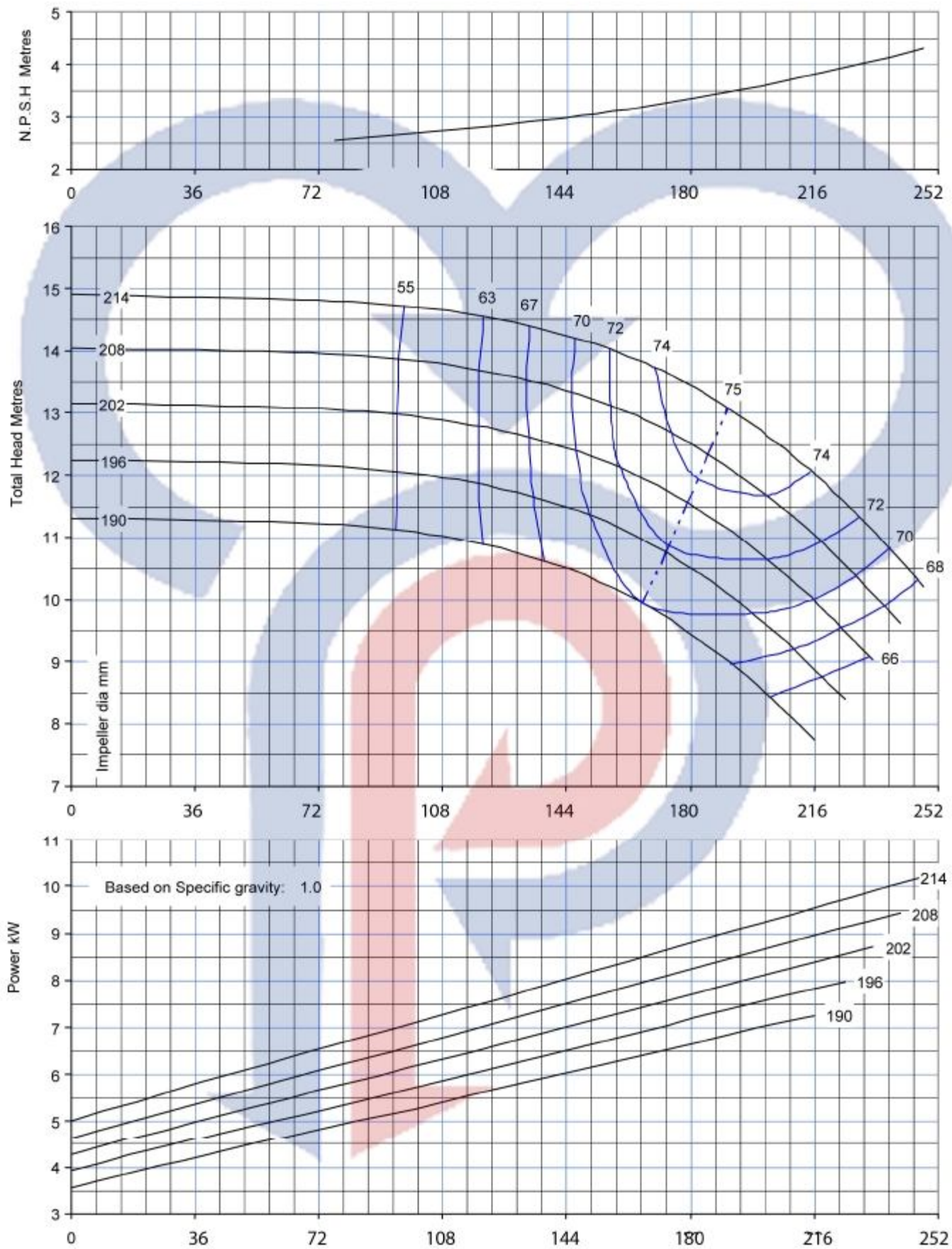
GC 125-315

SPEED

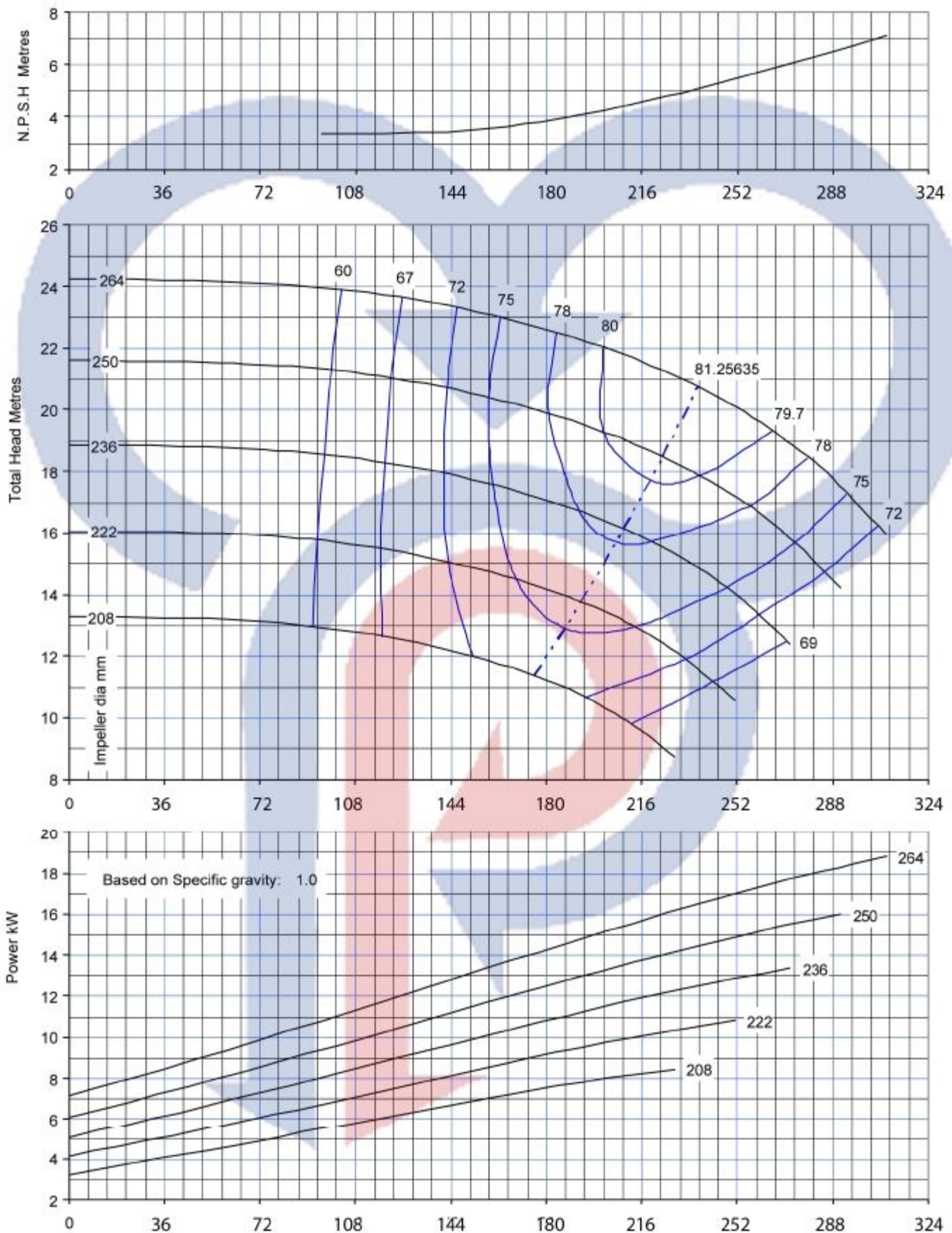
1450



SUCTION DIA	DISCHARGE DIA	MAX PRESSURE	PUMP MODEL	SPEED
125	125	12 bar	GC 125-400	1450



SUCTION DIA	DISCHARGE DIA	MAX PRESSURE	PUMP MODEL	SPEED
150	150	12 bar	GC 150-200	1450



SUCTION DIA

150

DISCHARGE DIA

150

MAX PRESSURE

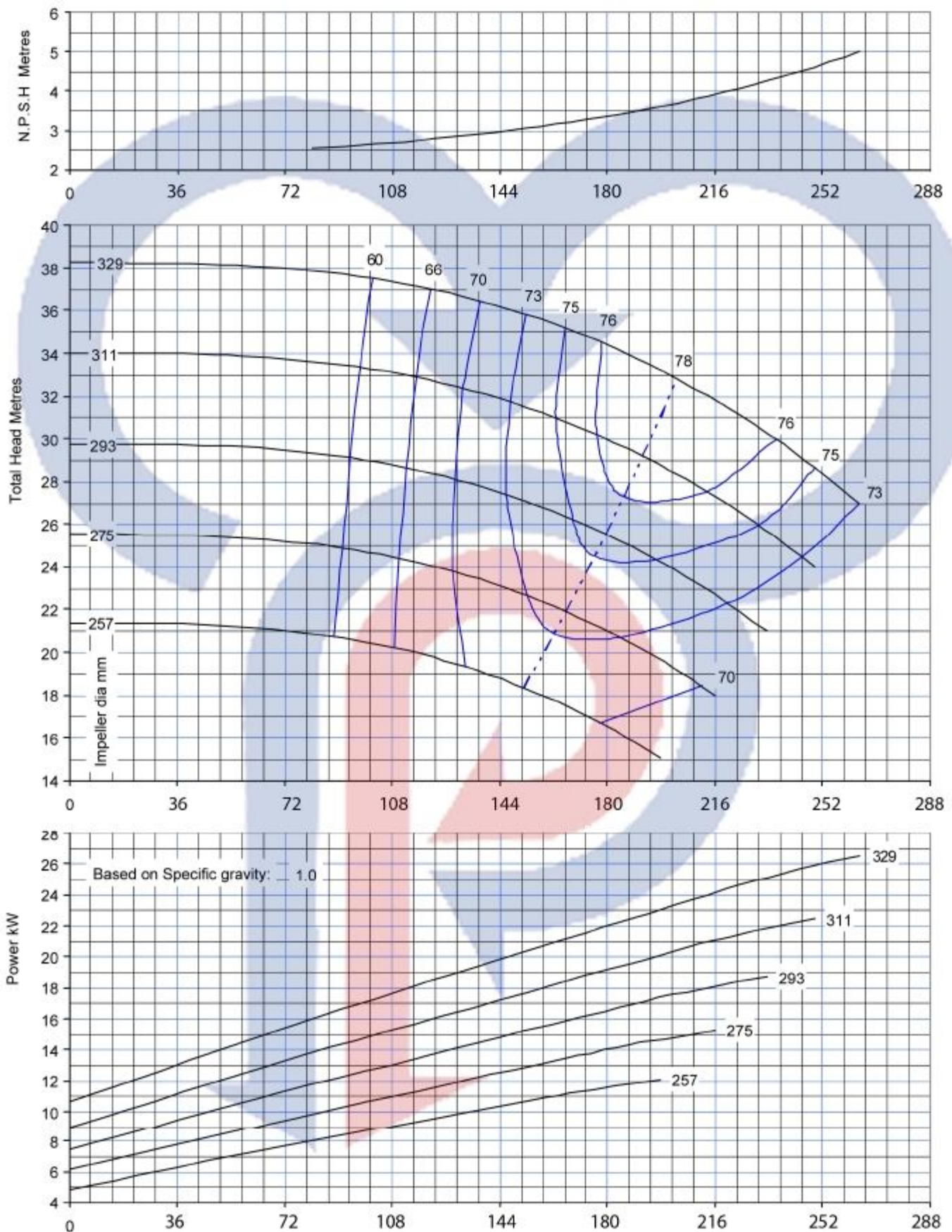
12 bar

PUMP MODEL

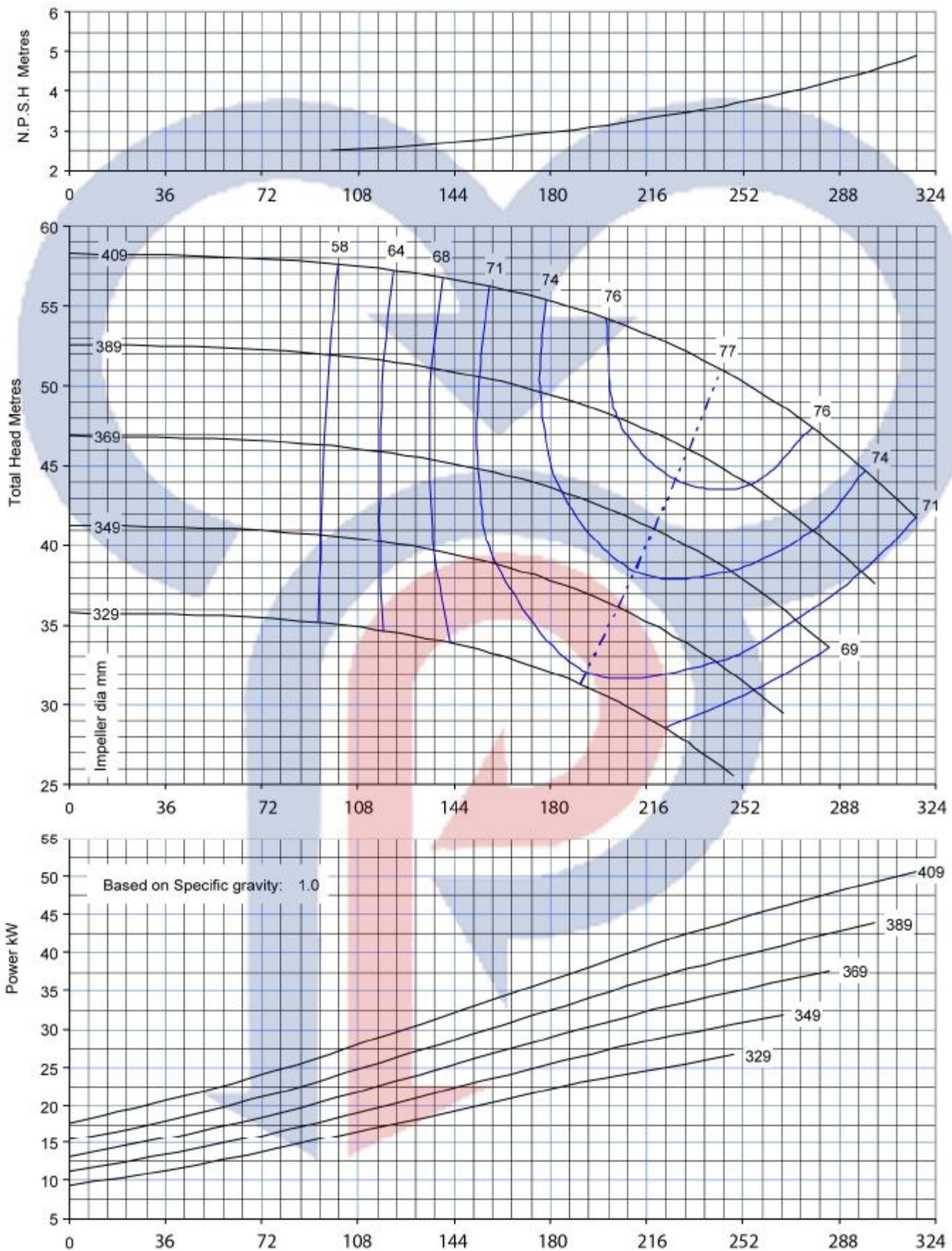
GC 150-250

SPEED

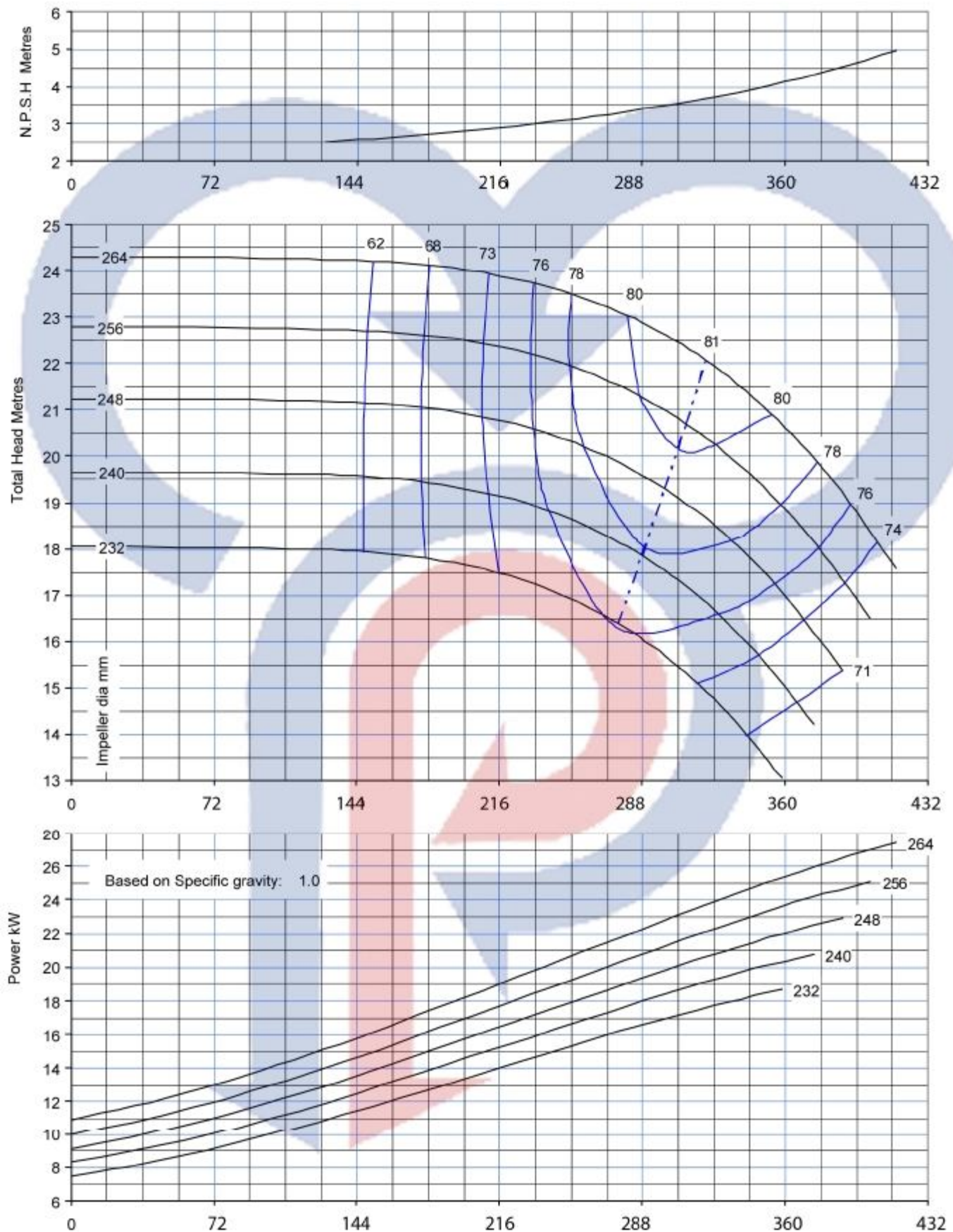
1450



SUCTION DIA	DISCHARGE DIA	MAX PRESSURE	PUMP MODEL	SPEED
150	150	12 bar	GC150-315	1450



SUCTION DIA	DISCHARGE DIA	MAX PRESSURE	PUMP MODEL	SPEED
150	150	12 bar	GC 150-400	1450



SUCTION DIA

200

DISCHARGE DIA

200

MAX PRESSURE

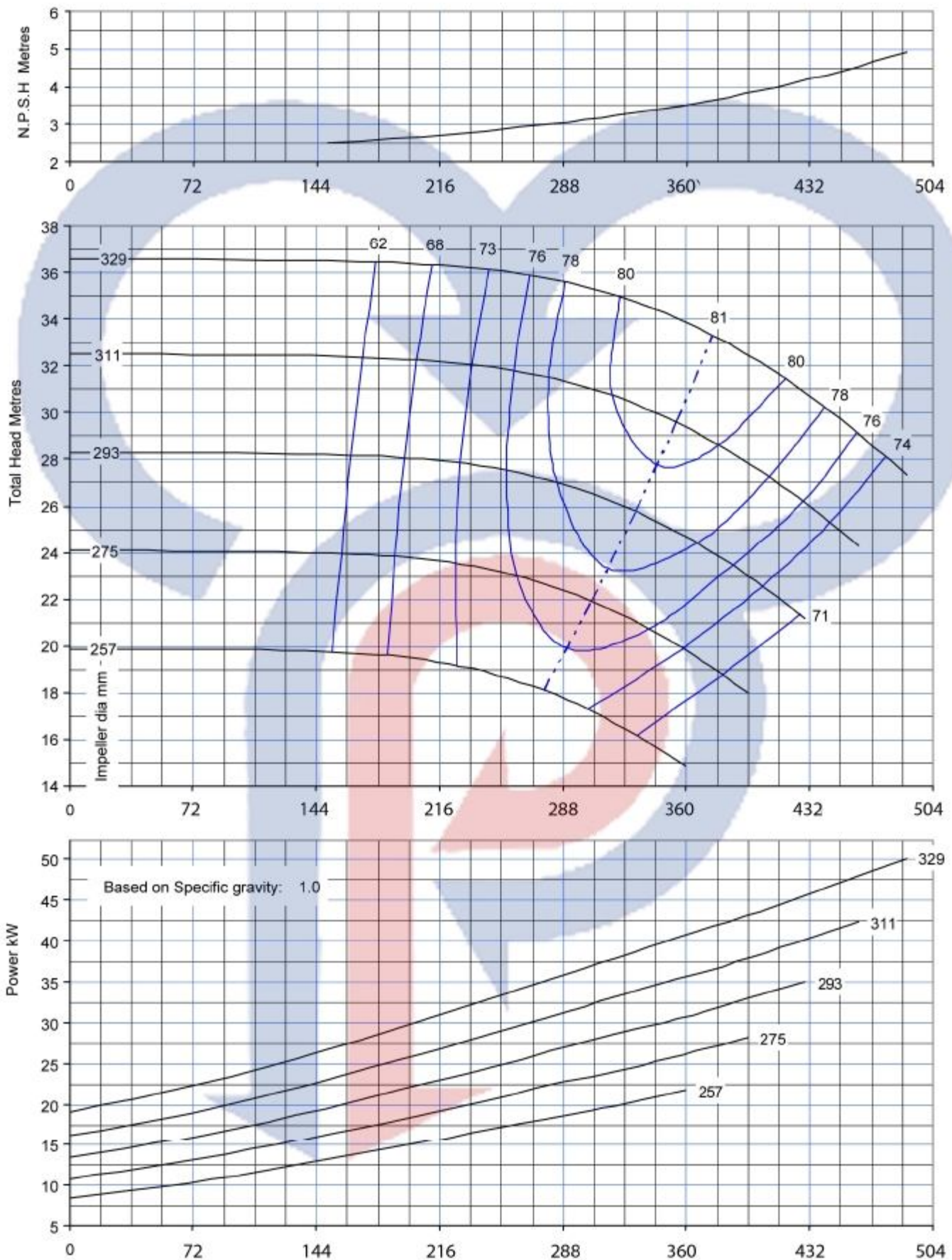
12 bar

PUMP MODEL

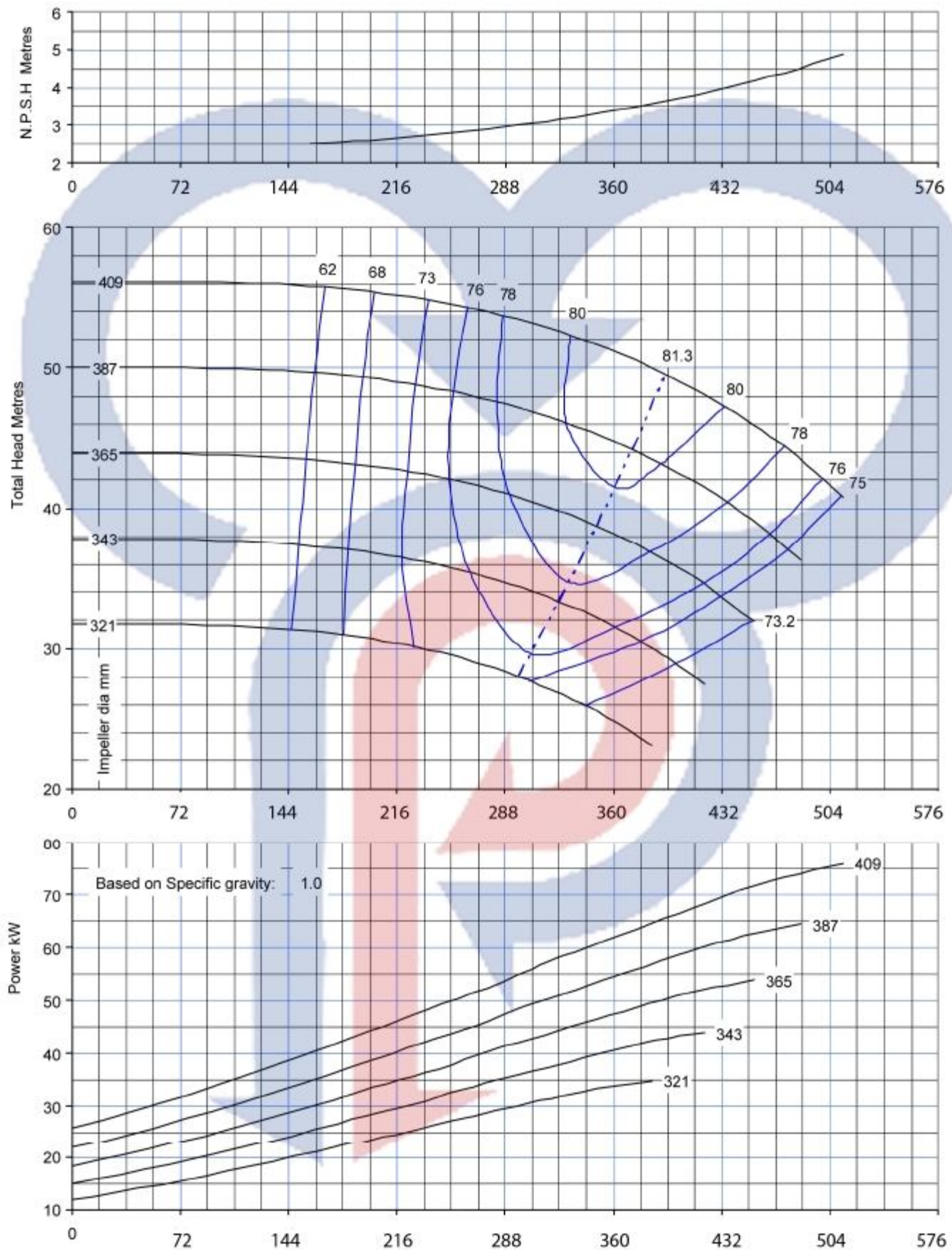
GC200-250

SPEED

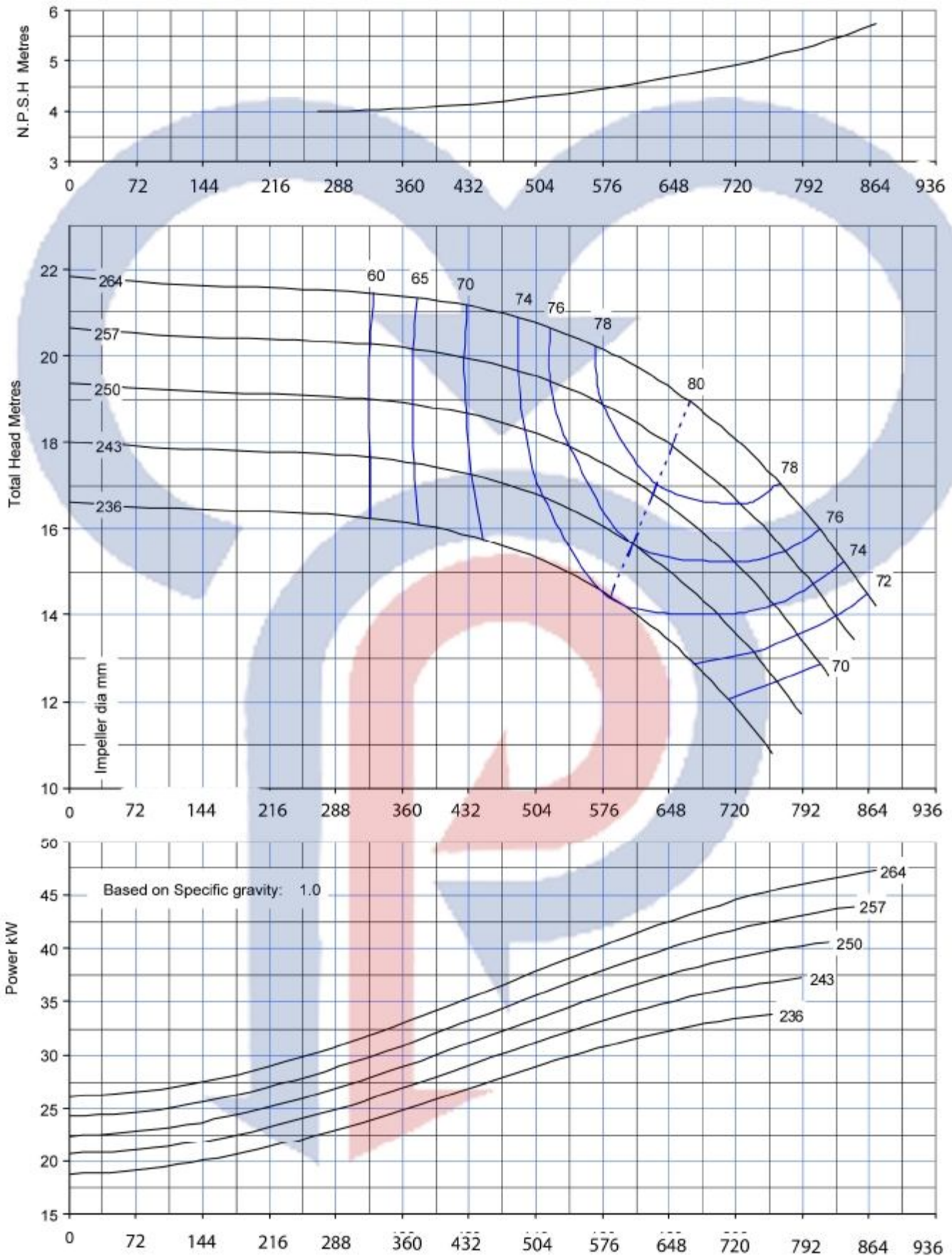
1450



SUCTION DIA	DISCHARGE DIA	MAX PRESSURE	PUMP MODEL	SPEED
200	200	12 bar	GC 200-315	1450



SUCTION DIA	DISCHARGE DIA	MAX PRESSURE	PUMP MODEL	SPEED
200	200	12 bar	GC 200-400	1450



SUCTION DIA

250

DISCHARGE DIA

250

MAX PRESSURE

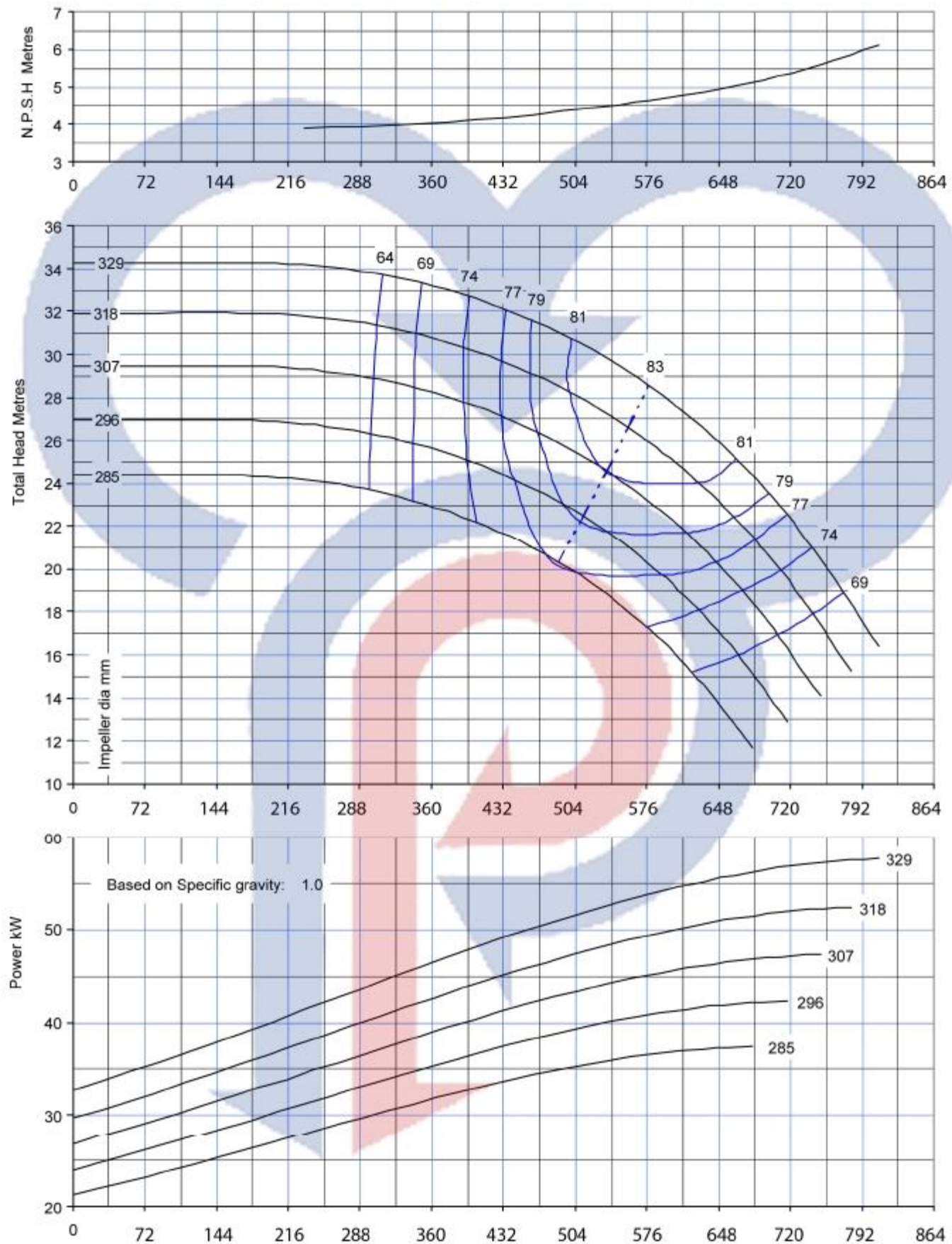
12 bar

PUMP MODEL

GC 250-250

SPEED

1450



SUCTION DIA

250

DISCHARGE DIA

250

MAX PRESSURE

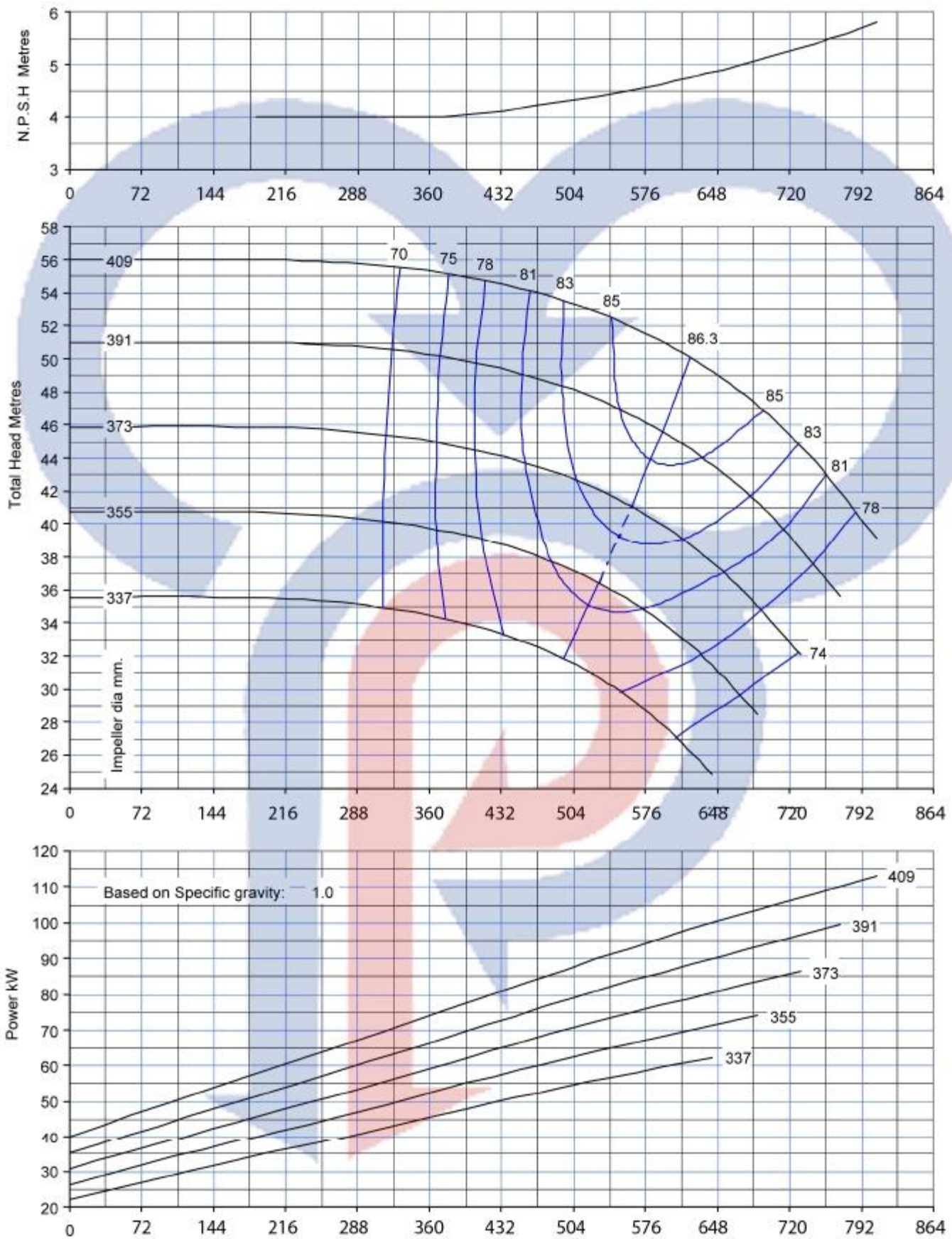
12 bar

PUMP MODEL

GC 250-315

SPEED

1450



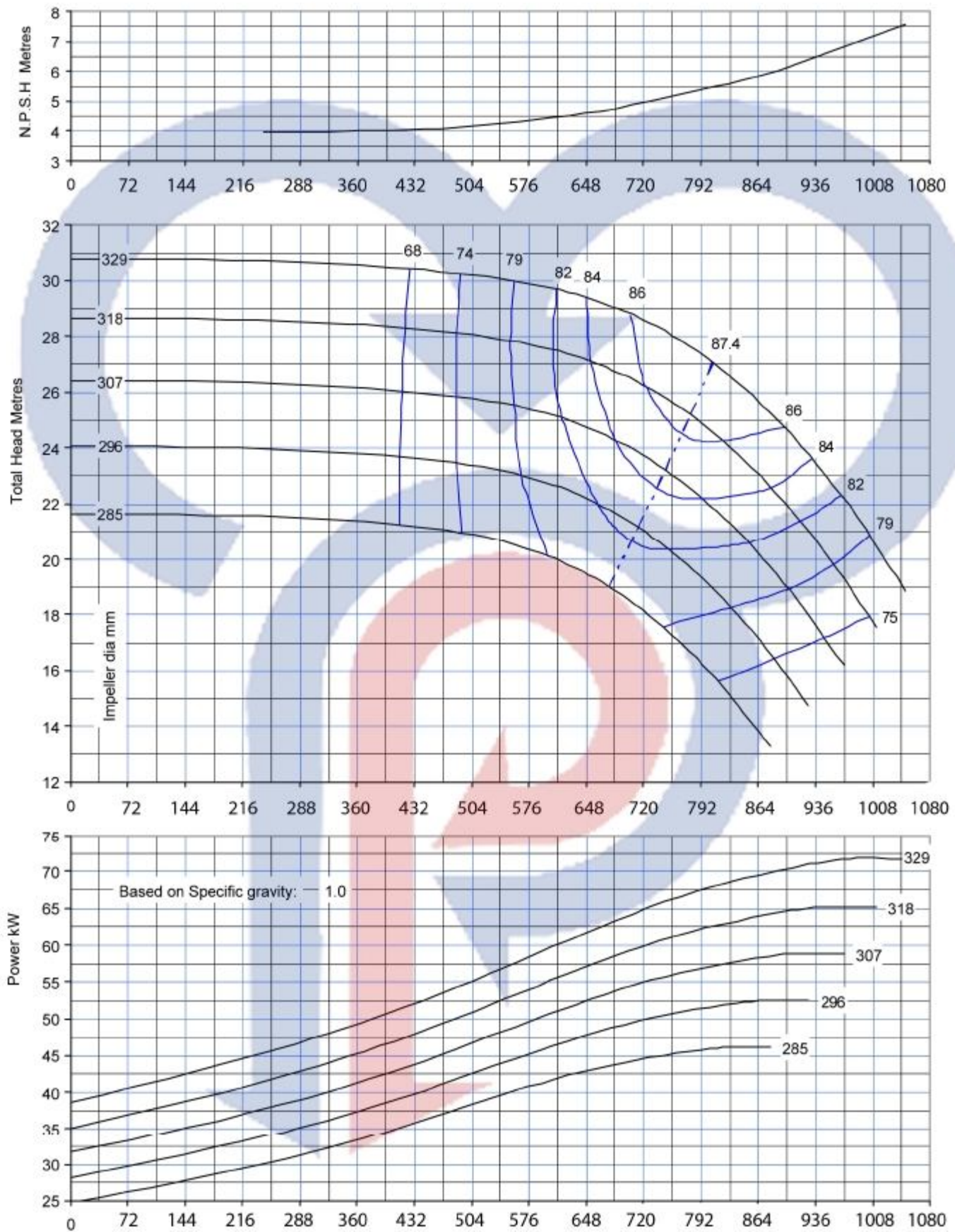
SUCTION DIA
250

DISCHARGE DIA
250

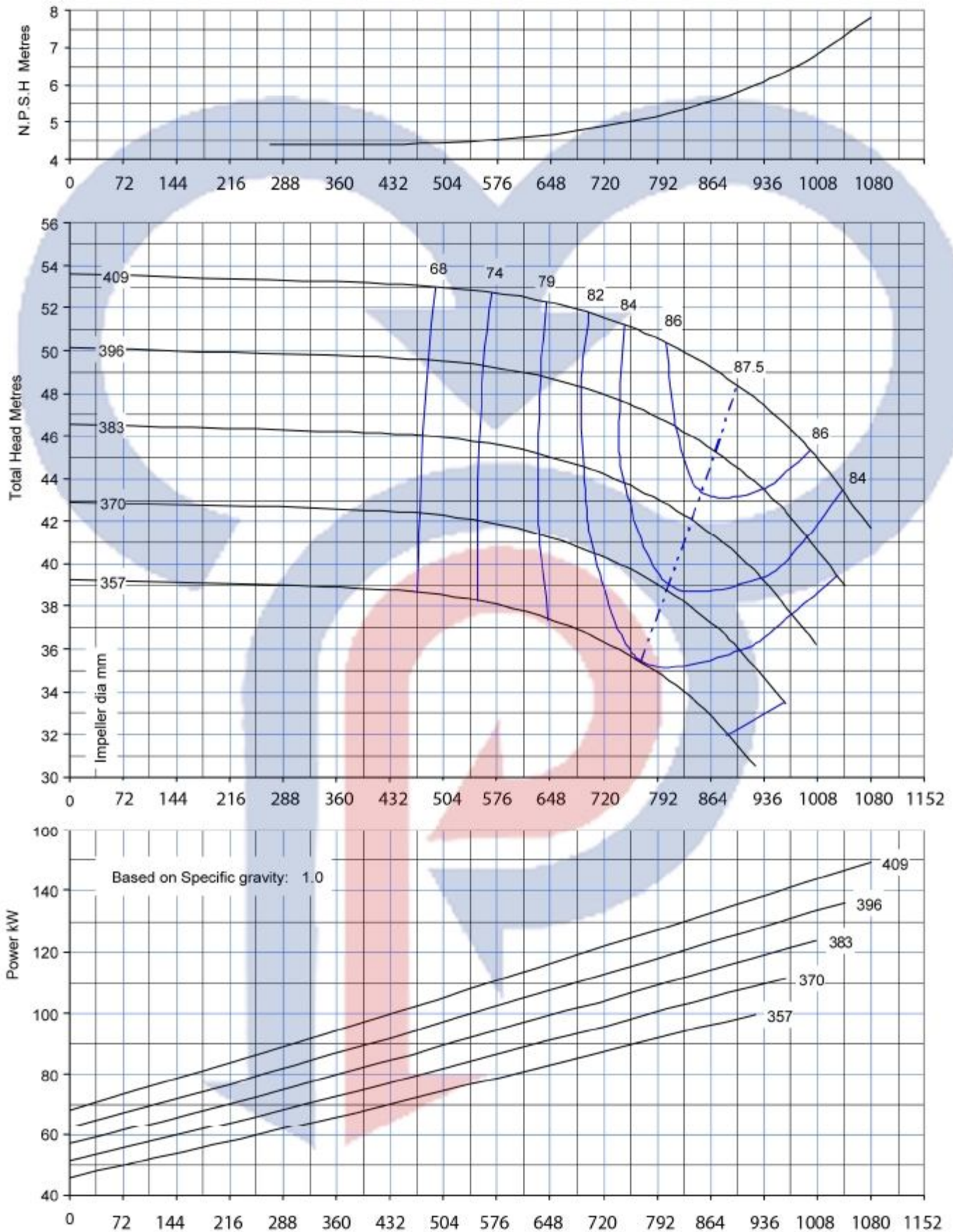
MAX PRESSURE
12 bar

PUMP MODEL
GC 250-400

SPEED
1450



SUCTION DIA	DISCHARGE DIA	MAX PRESSURE	PUMP MODEL	SPEED
300	300	12 bar	GC 300-315	1450



SUCTION DIA

300

DISCHARGE DIA

300

MAX PRESSURE

12 bar

PUMP MODEL

GC 300-400

SPEED

1450