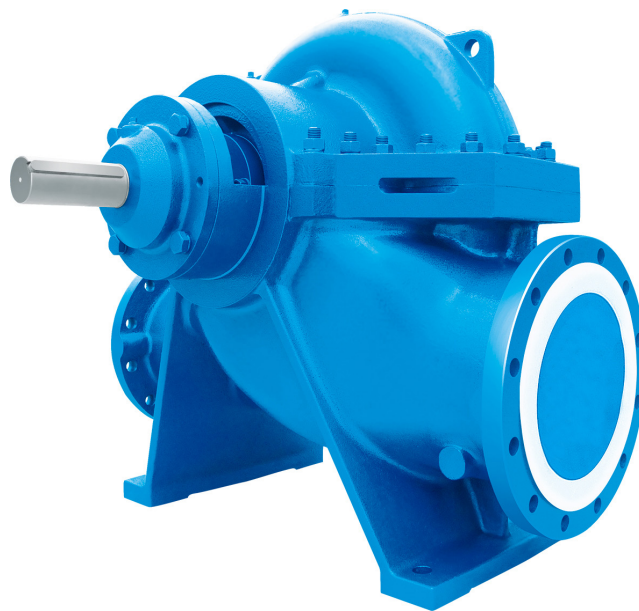


**SPCO®**  
makes life easier



**NDS**  
Double suction  
Split casing Pumps, 50Hz

# Approvals



CB TEST  
CERTIFICATE

Ref. Certificate No.  
CH-6876

IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST CERTIFICATES FOR  
ELECTRICAL EQUIPMENT (IECEE) CB SCHEME

Issued by:

Electrosuisse

Product:

Horizontal and vertical multistage pumps

Applicant:

Swiss Pump Company AG

Moosweg 36

CH-3645 Gwatt (Thun)

Switzerland

Manufacturer:

Swiss Pump Company AG

Moosweg 36

CH-3645 Gwatt (Thun)

Switzerland

Factory:

Swiss Pump Company AG

Moosweg 36

CH-3645 Gwatt (Thun)

Switzerland

Rating and principal characteristics:

3 x 200 - 277/346 - 480V~, 50/60Hz;  
220-230V~, 50/60Hz;  
127-220-240V~, 60Hz;  
class I, IP55

Trade mark (if any):

Swiss Pump Company AG (SPCO)

Model/Type reference:

HM..., CHL..., VM..., CDL..., ND..., CC..., PD..., MB..., QB..., SMP..., CCP..., SCP...,  
see appendix type list in test report

Additional information:

---

Sample of product tested to be in conformity with IEC:

60335-1(ed.4);am1;am2  
60335-2-41(ed.3);am1;am2

National differences:  
EU Group Differences; EU Special National Conditions; EU A-Deviations

Test Report Ref. No.:

06-HG-0218.01 + .02 + .03 + .05

This CB Test Certificate is issued by the National Certification Body:  
Electrosuisse  
Luppenstrasse 1,  
CH-8320 Fehraltorf

Signed by:

Erich Obrist

2010-07-27

electrosuisse



page 1 of 1



# Contents

|                     |      |   |
|---------------------|------|---|
| Pump                | page | 4 |
| Applications        |      | 4 |
| Operating Condition |      | 4 |
| Design              |      | 4 |
| Definition of Model |      | 4 |
| Spare Parts         |      | 5 |
| Performance Ranges  |      | 6 |
| Pump Dimensions     |      | 7 |
| Technical Data      |      | 8 |

## Split case centrifugal Pumps

Split casing pumps are designed with double suctions. This kind of pumps are high flow rate, high efficiency, stable operation, low noise and long service life, easy to install and maintain.

Widely used in plant, mine, city water, supply, irrigation, HVAC and vessel industry.

- Vertical splitcase NDS-L are available on request

## Applications

- HVAC and cooling tower.
- Municiple water supply.
- Pump station.
- Marine and ship buildings.
- Power planet / Water planet.
- Fire fighting system.

## Operating Condition

Flow Rate(Q) : 36 to 3400 m<sup>3</sup>/h

Head(H) : 8 to 190 m

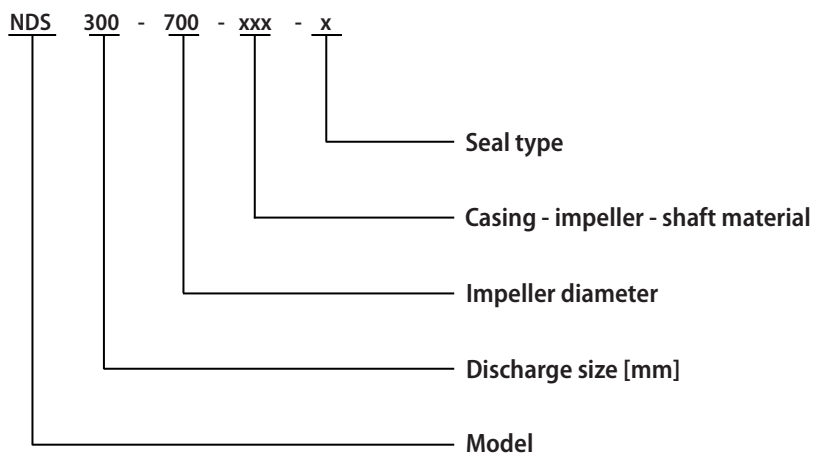
Speed : 1480, 2980 rpm (50Hz)

: 1780, 3580 rpm (60Hz)

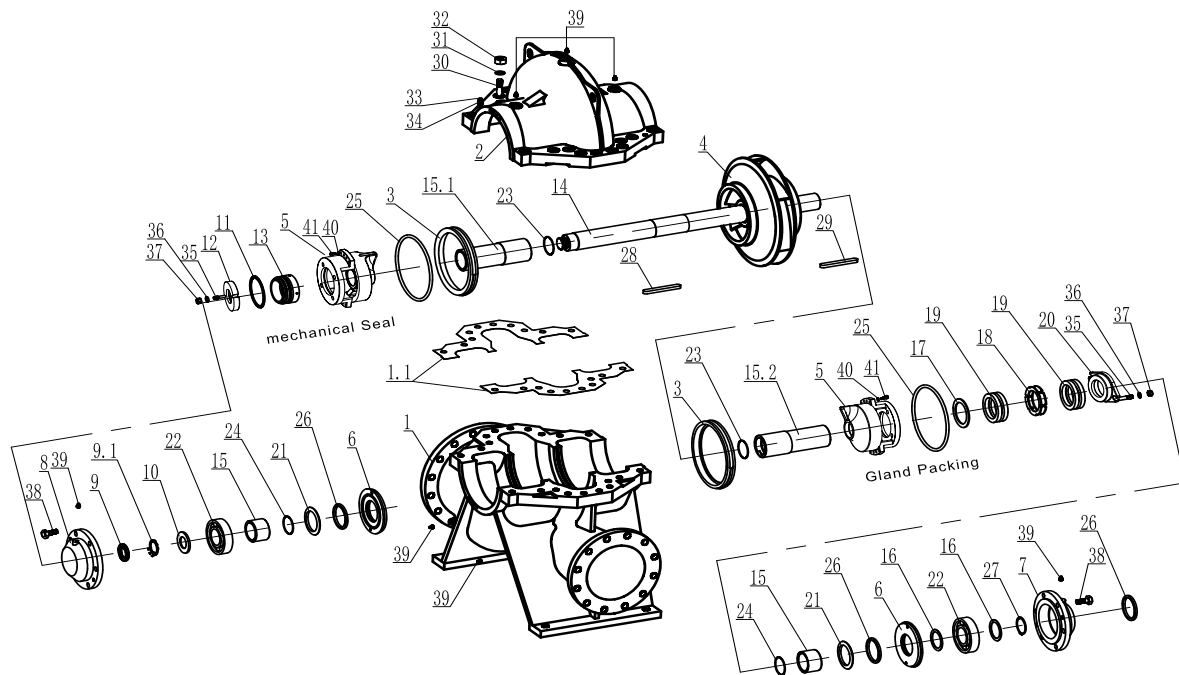
Max. Temp. : 85°C standard,  
optional 105°C

Using pressure: 16Bar standard, optional 25Bar

## Definition of Model



## Spare Parts

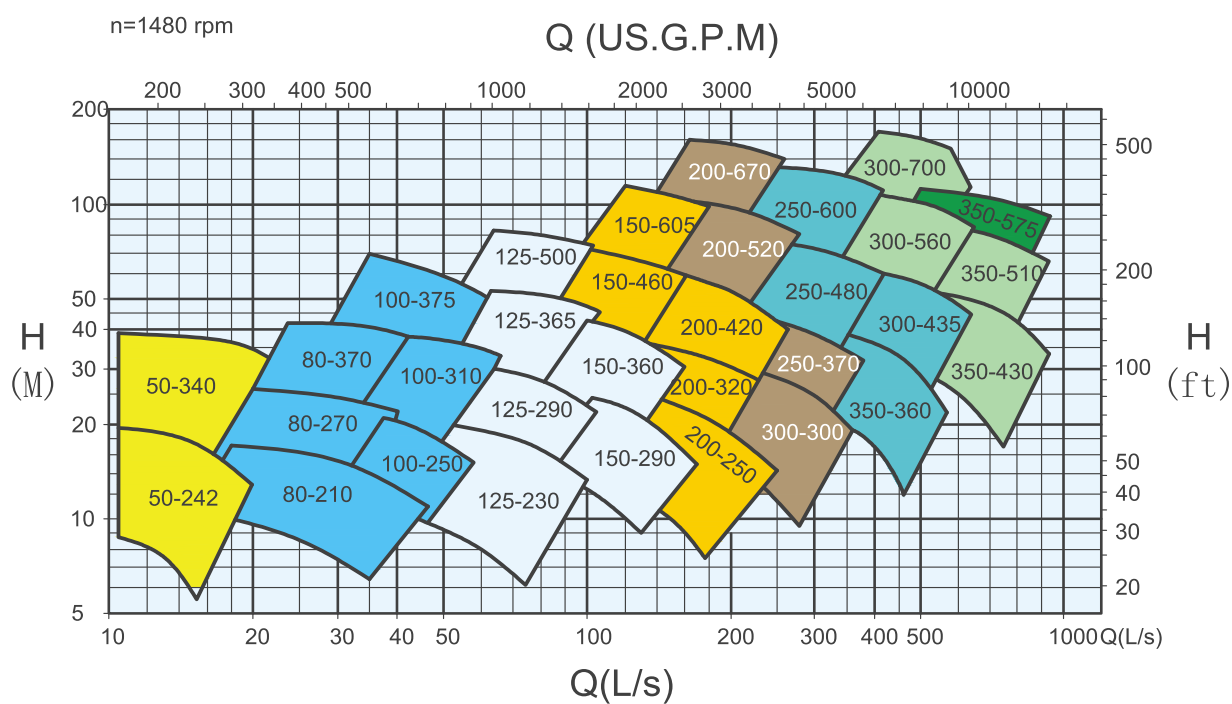
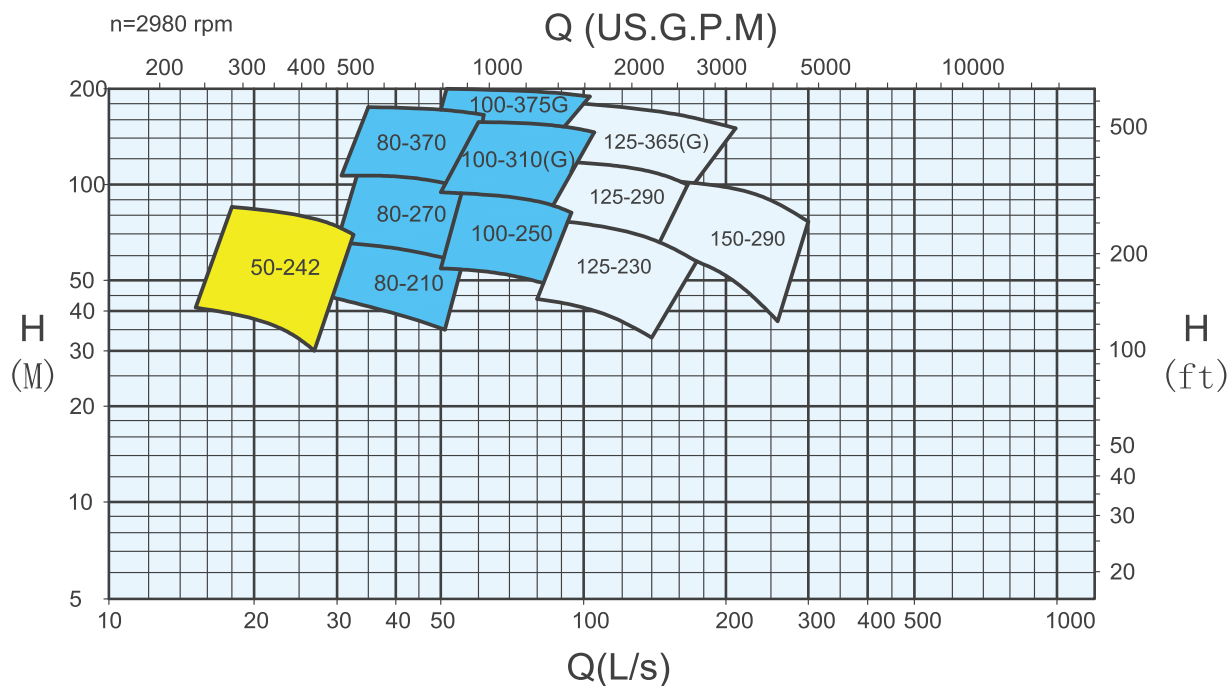


| Code | Part Name                     | Code | Part Name            | Code | Part Name         |
|------|-------------------------------|------|----------------------|------|-------------------|
| 01   | Casing-Bottom                 | 14   | Shaft                | 27   | External Circlips |
| 01.1 | Casing Gasket                 | 15   | Shaft Sleeve-Short   | 28   | Key               |
| 02   | Casing-Top                    | 15.1 | Shaft Sleeve         | 29   | Key               |
| 03   | Wear Ring                     | 15.2 | Packing Shaft Sleeve | 30   | Screw Bolt        |
| 04   | Impeller                      | 16   | Bearing Seal Plate   | 31   | Spring Washer     |
| 05   | Seal Frame                    | 17   | Packing Seal Plate   | 32   | Screw Nut         |
| 06   | Bearing Cover                 | 18   | Lantern Ring         | 33   | Pin               |
| 07   | Bearing Frame-Driving End     | 19   | Gland                | 34   | Screw Nut         |
| 08   | Bearing Frame-Non-driving End | 20   | Packing Cover        | 35   | Screw Bolt        |
| 09   | Screw Nut                     | 21   | Slinger              | 36   | Spring            |
| 09.1 | Lock Washer for Nut           | 22   | Ball Bearing         | 37   | Screw Nut         |
| 10   | Bearing Slinger               | 23   | O-ring               | 38   | Bolt              |
| 11   | O Ring                        | 24   | O-ring               | 39   | Plug              |
| 12   | Seal Cover                    | 25   | O-ring               | 40   | Bolt              |
| 13   | Mech. Seal                    | 26   | Felting              | 41   | Spring Washer     |

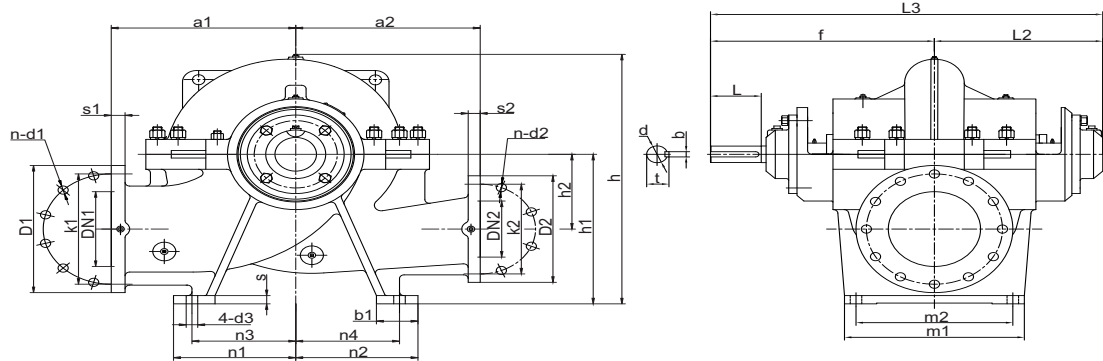
## Material of construction

Casing: Cast Iron, Ductile Iron  
 Impeller: Bronze, Cast Iron, SS304, SS316  
 Shaft : SS 420 (Standard), SS 304, SS 316, SS1045  
 Shaft Seal: Mechanical Seal, Gland packing

## Performance Ranges • 50Hz



# Pump Dimensions



| Model       | DN1 | DN2 | Pump Dimensions |     |     |     |      |      |     |     |     |     | Foot  |       |     |     |     |     |    |  |  |  |
|-------------|-----|-----|-----------------|-----|-----|-----|------|------|-----|-----|-----|-----|-------|-------|-----|-----|-----|-----|----|--|--|--|
|             |     |     | a1              | a2  | f   | l2  | l3   | h    | h1  | h2  | m1  | m2  | n1    | n2    | n3  | n4  | b1  | d3  | s  |  |  |  |
| NDS50-242   | 65  | 50  | 216             | 216 | 305 | 237 | 542  | 345  | 178 | 89  | 222 | 178 | 152.5 | 152.5 | 130 | 130 | 60  | Ø19 | 16 |  |  |  |
| NDS50-340   | 65  | 50  | 254             | 254 | 305 | 237 | 542  | 433  | 216 | 127 | 222 | 178 | 152.5 | 152.5 | 130 | 130 | 60  | Ø19 | 16 |  |  |  |
| NDS80-210   | 125 | 80  | 300             | 300 | 385 | 300 | 685  | 490  | 315 | 140 | 320 | 270 | 205.0 | 205.0 | 170 | 170 | 80  | Ø25 | 22 |  |  |  |
| NDS80-270   | 125 | 80  | 300             | 300 | 385 | 300 | 685  | 528  | 315 | 140 | 320 | 270 | 205.0 | 205.0 | 170 | 170 | 80  | Ø25 | 22 |  |  |  |
| NDS80-370   | 125 | 80  | 330             | 330 | 385 | 300 | 685  | 558  | 315 | 140 | 320 | 270 | 205.0 | 205.0 | 170 | 170 | 75  | Ø25 | 22 |  |  |  |
| NDS100-250  | 150 | 100 | 330             | 330 | 385 | 300 | 685  | 570  | 355 | 170 | 320 | 270 | 235.0 | 235.0 | 200 | 200 | 80  | Ø25 | 22 |  |  |  |
| NDS100-310  | 150 | 100 | 330             | 330 | 385 | 300 | 685  | 605  | 355 | 170 | 320 | 270 | 235.0 | 235.0 | 200 | 200 | 80  | Ø25 | 22 |  |  |  |
| NDS100-375  | 150 | 100 | 370             | 370 | 385 | 300 | 685  | 620  | 355 | 170 | 320 | 270 | 235.0 | 235.0 | 200 | 200 | 75  | Ø25 | 22 |  |  |  |
| NDS100-310G | 150 | 100 | 330             | 330 | 385 | 320 | 705  | 605  | 355 | 170 | 320 | 270 | 235.0 | 235.0 | 200 | 200 | 80  | Ø25 | 22 |  |  |  |
| NDS100-375G | 150 | 100 | 370             | 370 | 385 | 320 | 705  | 620  | 355 | 170 | 320 | 270 | 235.0 | 235.0 | 200 | 200 | 75  | Ø25 | 22 |  |  |  |
| NDS125-230  | 200 | 125 | 370             | 370 | 485 | 365 | 850  | 620  | 400 | 200 | 390 | 340 | 265.0 | 265.0 | 225 | 225 | 90  | Ø25 | 22 |  |  |  |
| NDS125-290  | 200 | 125 | 370             | 370 | 485 | 365 | 850  | 635  | 400 | 200 | 390 | 340 | 265.0 | 265.0 | 225 | 225 | 90  | Ø25 | 22 |  |  |  |
| NDS125-365  | 200 | 125 | 370             | 370 | 485 | 365 | 850  | 665  | 400 | 200 | 390 | 340 | 265.0 | 265.0 | 225 | 225 | 90  | Ø25 | 22 |  |  |  |
| NDS125-290G | 200 | 125 | 370             | 370 | 485 | 390 | 875  | 635  | 400 | 200 | 390 | 340 | 265.0 | 265.0 | 225 | 225 | 90  | Ø25 | 22 |  |  |  |
| NDS125-365G | 200 | 125 | 370             | 370 | 485 | 390 | 875  | 665  | 400 | 200 | 390 | 340 | 265.0 | 265.0 | 225 | 225 | 90  | Ø25 | 22 |  |  |  |
| NDS125-500  | 200 | 125 | 450             | 450 | 485 | 365 | 850  | 720  | 400 | 200 | 390 | 340 | 320.0 | 320.0 | 280 | 280 | 85  | Ø25 | 26 |  |  |  |
| NDS150-290  | 200 | 150 | 400             | 400 | 485 | 365 | 850  | 660  | 400 | 210 | 390 | 340 | 265.0 | 265.0 | 225 | 225 | 90  | Ø25 | 22 |  |  |  |
| NDS150-290G | 200 | 150 | 400             | 400 | 485 | 390 | 875  | 660  | 400 | 210 | 390 | 340 | 265.0 | 265.0 | 225 | 225 | 90  | Ø25 | 22 |  |  |  |
| NDS150-360  | 200 | 150 | 400             | 400 | 485 | 365 | 850  | 670  | 400 | 200 | 390 | 340 | 265.0 | 265.0 | 225 | 225 | 90  | Ø25 | 22 |  |  |  |
| NDS150-360G | 200 | 150 | 400             | 400 | 485 | 387 | 872  | 670  | 400 | 200 | 390 | 340 | 265.0 | 265.0 | 225 | 225 | 90  | Ø25 | 22 |  |  |  |
| NDS150-460  | 200 | 150 | 450             | 450 | 540 | 420 | 960  | 710  | 400 | 200 | 480 | 430 | 315.0 | 315.0 | 280 | 280 | 75  | Ø25 | 25 |  |  |  |
| NDS150-605  | 200 | 150 | 600             | 500 | 540 | 420 | 960  | 885  | 500 | 300 | 480 | 430 | 390.0 | 390.0 | 350 | 350 | 95  | Ø30 | 35 |  |  |  |
| NDS200-250  | 250 | 200 | 450             | 450 | 540 | 420 | 960  | 793  | 500 | 240 | 480 | 430 | 315.0 | 315.0 | 280 | 280 | 85  | Ø25 | 25 |  |  |  |
| NDS200-320  | 250 | 200 | 450             | 450 | 540 | 420 | 960  | 805  | 500 | 240 | 480 | 430 | 315.0 | 315.0 | 280 | 280 | 85  | Ø25 | 25 |  |  |  |
| NDS200-420  | 250 | 200 | 500             | 500 | 540 | 420 | 960  | 830  | 500 | 240 | 480 | 430 | 330.0 | 330.0 | 280 | 280 | 100 | Ø25 | 25 |  |  |  |
| NDS200-520  | 250 | 200 | 600             | 500 | 629 | 479 | 1108 | 925  | 560 | 300 | 490 | 430 | 400.0 | 400.0 | 350 | 350 | 100 | Ø28 | 28 |  |  |  |
| NDS200-670  | 250 | 200 | 650             | 550 | 629 | 479 | 1108 | 1055 | 600 | 350 | 500 | 400 | 400.0 | 400.0 | 350 | 350 | 110 | Ø30 | 35 |  |  |  |
| NDS250-280  | 300 | 250 | 500             | 500 | 629 | 479 | 1108 | 955  | 600 | 300 | 480 | 400 | 400.0 | 400.0 | 350 | 350 | 100 | Ø30 | 28 |  |  |  |
| NDS250-370  | 300 | 250 | 500             | 500 | 629 | 479 | 1108 | 975  | 600 | 300 | 480 | 400 | 400.0 | 400.0 | 350 | 350 | 100 | Ø30 | 28 |  |  |  |
| NDS250-480  | 300 | 250 | 550             | 550 | 695 | 515 | 1210 | 985  | 600 | 330 | 600 | 520 | 400.0 | 400.0 | 350 | 350 | 100 | Ø30 | 32 |  |  |  |
| NDS250-600  | 300 | 250 | 650             | 550 | 695 | 515 | 1210 | 1060 | 630 | 350 | 600 | 520 | 400.0 | 400.0 | 350 | 350 | 110 | Ø30 | 35 |  |  |  |
| NDS300-300  | 350 | 300 | 550             | 500 | 629 | 479 | 1108 | 1010 | 630 | 300 | 500 | 400 | 400.0 | 400.0 | 350 | 350 | 100 | Ø30 | 30 |  |  |  |
| NDS300-435  | 400 | 300 | 650             | 550 | 695 | 515 | 1210 | 1072 | 670 | 333 | 600 | 520 | 400.0 | 400.0 | 350 | 350 | 100 | Ø30 | 32 |  |  |  |
| NDS300-560  | 400 | 300 | 700             | 650 | 785 | 605 | 1390 | 1140 | 710 | 350 | 620 | 520 | 525.0 | 525.0 | 475 | 475 | 110 | Ø30 | 35 |  |  |  |
| NDS300-700  | 400 | 300 | 750             | 650 | 785 | 605 | 1390 | 1255 | 750 | 400 | 620 | 520 | 530.0 | 530.0 | 475 | 475 | 120 | Ø30 | 40 |  |  |  |
| NDS350-360  | 400 | 350 | 650             | 550 | 695 | 515 | 1210 | 1100 | 670 | 350 | 600 | 520 | 400.0 | 400.0 | 350 | 350 | 100 | Ø30 | 32 |  |  |  |
| NDS350-430  | 450 | 350 | 750             | 650 | 785 | 605 | 1390 | 1200 | 750 | 400 | 600 | 520 | 530.0 | 530.0 | 475 | 475 | 120 | Ø30 | 35 |  |  |  |
| NDS350-510  | 400 | 350 | 700             | 650 | 785 | 605 | 1390 | 1200 | 750 | 400 | 620 | 520 | 525.0 | 525.0 | 475 | 475 | 110 | Ø30 | 40 |  |  |  |
| NDS350-575  | 400 | 350 | 750             | 750 | 853 | 667 | 1520 | 1400 | 900 | 420 | 780 | 630 | 560.0 | 560.0 | 485 | 485 | 150 | Ø35 | 35 |  |  |  |

## Flange Dimensions (ISO7005.2 DIN2501 PN16 GB/T17241.6 PN1.6)

| DN1/DN2   | 80      | 100     | 125     | 150   | 200    | 250    | 300    | 350    | 400    | 450    | 500    | 600    | 700    |
|-----------|---------|---------|---------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| K1/K2     | 160     | 180     | 210     | 240   | 295    | 355    | 410    | 470    | 525    | 585    | 650    | 770    | 840    |
| D1/D2     | 200     | 220     | 250     | 285   | 340    | 405    | 460    | 520    | 580    | 640    | 715    | 840    | 910    |
| S1/S2     | 22      | 24      | 26      | 26    | 30     | 32     | 34     | 38     | 40     | 40     | 46     | 54     | 54     |
| n-d1/n-d2 | 8-Φ17.5 | 8-Φ17.5 | 8-Φ17.5 | 8-Φ22 | 12-Φ22 | 12-Φ26 | 12-Φ26 | 16-Φ26 | 16-Φ30 | 20-Φ30 | 20-Φ33 | 20-Φ36 | 24-Φ36 |

# Technical data

| Model       | Capacity          |     | Head | Speed | Power(kw) |       | Eff | Impeller Dia. | (NPSH) <sub>r</sub> |
|-------------|-------------------|-----|------|-------|-----------|-------|-----|---------------|---------------------|
| Model       | m <sup>3</sup> /h | L/s | m    | r/min | Shaft     | Motor | %   | mm            | m                   |
| NDS80-210   | 148               | 41  | 71   | 2980  | 38.7      | 75    | 74  | 220           | 2.6                 |
|             | 252               | 70  | 62   |       | 51.5      |       | 82  |               | 6                   |
|             | 303               | 84  | 54   |       | 56.3      |       | 80  |               | 8.2                 |
| NDS80-210A  | 138               | 38  | 62   | 2980  | 32.2      | 55    | 72  | 205           | 2.6                 |
|             | 234               | 65  | 53   |       | 42.0      |       | 81  |               | 6                   |
|             | 283               | 79  | 46   |       | 45.0      |       | 78  |               | 8.2                 |
| NDS80-210B  | 128               | 35  | 52   | 2980  | 26.0      | 45    | 69  | 190           | 2.6                 |
|             | 217               | 60  | 43   |       | 32.7      |       | 78  |               | 6                   |
|             | 262               | 73  | 36   |       | 35.0      |       | 74  |               | 8.2                 |
| NDS80-210C  | 118               | 33  | 43   | 2980  | 20.9      | 30    | 66  | 175           | 2.6                 |
|             | 200               | 56  | 34   |       | 24.5      |       | 76  |               | 6                   |
|             | 241               | 67  | 28   |       | 26.2      |       | 70  |               | 8.2                 |
| NDS80-270   | 178               | 49  | 109  | 2980  | 71.9      | 132   | 73  | 265           | 3.5                 |
|             | 292               | 81  | 97   |       | 95.5      |       | 81  |               | 10                  |
|             | 355               | 99  | 84   |       | 106.2     |       | 77  |               | 15                  |
| NDS80-270A  | 164               | 46  | 92   | 2980  | 56.9      | 110   | 72  | 245           | 3.5                 |
|             | 270               | 75  | 80   |       | 76.7      |       | 77  |               | 10                  |
|             | 328               | 91  | 68   |       | 85.0      |       | 72  |               | 15                  |
| NDS80-270B  | 151               | 42  | 77   | 2980  | 45.8      | 75    | 69  | 225           | 3.5                 |
|             | 248               | 69  | 64   |       | 59.5      |       | 73  |               | 10                  |
|             | 302               | 84  | 54   |       | 65.8      |       | 67  |               | 15                  |
| NDS80-270C  | 137               | 38  | 62   | 2980  | 35.0      | 55    | 66  | 205           | 3.5                 |
|             | 226               | 63  | 51   |       | 44.6      |       | 70  |               | 10                  |
|             | 275               | 76  | 41   |       | 47.4      |       | 64  |               | 15                  |
| NDS80-370   | 174               | 48  | 171  | 2980  | 119.3     | 250   | 68  | 330           | 3.5                 |
|             | 290               | 81  | 158  |       | 166.6     |       | 75  |               | 10                  |
|             | 348               | 97  | 146  |       | 191.6     |       | 72  |               | 15                  |
| NDS80-370A  | 163               | 45  | 149  | 2980  | 99.2      | 200   | 67  | 310           | 3.5                 |
|             | 272               | 76  | 137  |       | 137.0     |       | 74  |               | 10                  |
|             | 327               | 91  | 124  |       | 155.6     |       | 71  |               | 15                  |
| NDS80-370B  | 150               | 42  | 127  | 2980  | 79.0      | 132   | 66  | 285           | 3.5                 |
|             | 250               | 70  | 114  |       | 106.9     |       | 73  |               | 10                  |
|             | 300               | 83  | 101  |       | 118.6     |       | 70  |               | 15                  |
| NDS80-370C  | 137               | 38  | 105  | 2980  | 60.6      | 110   | 65  | 260           | 3.5                 |
|             | 228               | 63  | 89   |       | 77.1      |       | 72  |               | 10                  |
|             | 274               | 76  | 77   |       | 84.6      |       | 68  |               | 15                  |
| NDS100-250  | 207               | 58  | 93   | 2980  | 73.2      | 110   | 72  | 254           | 3                   |
|             | 340               | 95  | 82   |       | 93.8      |       | 81  |               | 7                   |
|             | 407               | 113 | 70   |       | 101.0     |       | 77  |               | 12                  |
| NDS100-250A | 192               | 53  | 78   | 2980  | 56.9      | 90    | 72  | 236           | 3                   |
|             | 316               | 88  | 68   |       | 72.8      |       | 80  |               | 7                   |
|             | 378               | 105 | 58   |       | 78.0      |       | 77  |               | 12                  |
| NDS100-250B | 179               | 50  | 67   | 2980  | 45.7      | 75    | 71  | 219           | 3                   |
|             | 293               | 82  | 57   |       | 57.3      |       | 79  |               | 7                   |
|             | 351               | 97  | 49   |       | 61.1      |       | 76  |               | 12                  |
| NDS100-250C | 164               | 46  | 56   | 2980  | 35.3      | 55    | 71  | 201           | 3                   |
|             | 269               | 75  | 46   |       | 43.7      |       | 78  |               | 7                   |
|             | 322               | 89  | 40   |       | 46.4      |       | 75  |               | 12                  |
| NDS100-310  | 261               | 72  | 156  | 2980  | 151.6     | 250   | 73  | 320           | 3.2                 |
|             | 407               | 113 | 144  |       | 199.5     |       | 80  |               | 7                   |
|             | 245               | 68  | 139  |       | 129.2     |       | 72  |               | 3                   |
| NDS100-310A | 409               | 114 | 126  | 2980  | 175.1     | 250   | 80  | 301           | 7                   |
|             | 491               | 136 | 116  |       | 195.6     |       | 79  |               | 10                  |

## Technical data

| Model       | Capacity          |     | Head | Speed | Power(kw) |       | Eff | Impeller Dia. | (NPSH)r |
|-------------|-------------------|-----|------|-------|-----------|-------|-----|---------------|---------|
| Model       | m <sup>3</sup> /h | L/s | m    | r/min | Shaft     | Motor | %   | mm            | m       |
| NDS100-310B | 227               | 63  | 118  | 2980  | 103.8     | 200   | 70  | 278           | 3       |
|             | 378               | 105 | 108  |       | 142.3     |       | 78  |               | 7       |
|             | 453               | 126 | 99   |       | 158.7     |       | 77  |               | 10      |
| NDS100-310C | 207               | 58  | 99   | 2980  | 83.0      | 160   | 67  | 254           | 3       |
|             | 345               | 96  | 88   |       | 108.4     |       | 76  |               | 7       |
|             | 414               | 115 | 79   |       | 120.6     |       | 74  |               | 10      |
| NDS125-230  | 333               | 93  | 82   | 2980  | 102.4     | 160   | 73  | 245           | 7       |
|             | 551               | 153 | 70   |       | 125.3     |       | 84  |               | 7.8     |
|             | 660               | 183 | 62   |       | 140.2     |       | 79  |               | 9.4     |
| NDS125-230A | 310               | 86  | 70   | 2980  | 84.2      | 132   | 70  | 228           | 7       |
|             | 513               | 142 | 57   |       | 96.7      |       | 82  |               | 7.8     |
|             | 614               | 171 | 49   |       | 103.0     |       | 79  |               | 9.4     |
| NDS125-230B | 286               | 79  | 55   | 2980  | 64.1      | 90    | 67  | 210           | 7       |
|             | 472               | 131 | 45   |       | 71.7      |       | 80  |               | 7.8     |
|             | 565               | 157 | 37   |       | 74.8      |       | 76  |               | 9.4     |
| NDS125-230C | 263               | 73  | 45   | 2980  | 49.9      | 75    | 64  | 193           | 7       |
|             | 434               | 121 | 33   |       | 51.7      |       | 76  |               | 7.8     |
|             | 520               | 144 | 26   |       | 51.0      |       | 72  |               | 9.4     |
| NDS125-290  | 341               | 95  | 130  | 2980  | 156.4     | 250   | 77  | 298           | 6.2     |
|             | 565               | 157 | 114  |       | 208.2     |       | 84  |               | 7.5     |
|             | 681               | 189 | 101  |       | 229.5     |       | 82  |               | 9.8     |
| NDS125-290A | 316               | 88  | 107  | 2980  | 122.7     | 200   | 75  | 276           | 6.2     |
|             | 524               | 145 | 90   |       | 157.3     |       | 82  |               | 7.5     |
|             | 631               | 175 | 79   |       | 169.9     |       | 80  |               | 9.8     |
| NDS125-290B | 290               | 81  | 87   | 2980  | 94.5      | 160   | 73  | 254           | 6.2     |
|             | 482               | 134 | 73   |       | 119.1     |       | 80  |               | 7.5     |
|             | 581               | 161 | 61   |       | 123.4     |       | 78  |               | 9.8     |
| NDS125-290C | 265               | 74  | 72   | 2980  | 74.1      | 110   | 70  | 232           | 6.2     |
|             | 440               | 122 | 57   |       | 87.3      |       | 78  |               | 7.5     |
|             | 530               | 147 | 46   |       | 89.5      |       | 74  |               | 9.8     |
| NDS125-365A | 396               | 110 | 189  | 2980  | 271.9     | 450   | 75  | 365           | 3.3     |
|             | 662               | 184 | 165  |       | 363.2     |       | 82  |               | 3.8     |
|             | 792               | 220 | 154  |       | 410.3     |       | 81  |               | 4.8     |
| NDS125-365B | 358               | 99  | 146  | 2980  | 197.7     | 315   | 72  | 321           | 3.3     |
|             | 597               | 166 | 122  |       | 250.3     |       | 79  |               | 3.8     |
|             | 716               | 199 | 105  |       | 270.6     |       | 76  |               | 4.8     |
| NDS125-365C | 322               | 90  | 118  | 2980  | 149.6     | 250   | 69  | 289           | 3.3     |
|             | 537               | 149 | 95   |       | 183.5     |       | 76  |               | 3.8     |
|             | 645               | 179 | 81   |       | 197.8     |       | 72  |               | 4.8     |
| NDS150-290  | 522               | 145 | 105  | 2980  | 197.2     | 315   | 76  | 280           | 6.5     |
|             | 870               | 242 | 92   |       | 249.6     |       | 87  |               | 12      |
|             | 1044              | 290 | 79   |       | 267.7     |       | 84  |               | 14.5    |
| NDS150-290A | 492               | 137 | 93   | 2980  | 164.5     | 250   | 76  | 264           | 6.5     |
|             | 820               | 228 | 80   |       | 208.6     |       | 86  |               | 12      |
|             | 984               | 273 | 70   |       | 225.3     |       | 83  |               | 14.5    |
| NDS150-290B | 453               | 126 | 78   | 2980  | 134.1     | 200   | 72  | 243           | 6.5     |
|             | 755               | 210 | 66   |       | 160.8     |       | 84  |               | 12      |
|             | 906               | 252 | 55   |       | 166.8     |       | 81  |               | 14.5    |
| NDS150-290C | 423               | 118 | 66   | 2980  | 112.0     | 160   | 68  | 227           | 6.5     |
|             | 705               | 196 | 53   |       | 126.6     |       | 80  |               | 12      |
|             | 846               | 235 | 43   |       | 127.5     |       | 77  |               | 14.5    |
| NDS80-210   | 72                | 20  | 16.8 | 1450  | 4.5       | 7.5   | 74  | 220           | 1.9     |
|             | 122               | 34  | 14.6 |       | 5.9       |       | 82  |               | 2.4     |
|             | 148               | 41  | 12.9 |       | 6.5       |       | 80  |               | 2.9     |

# Technical data

| Model       | Capacity          |     | Head | Speed | Power(kw) |       | Eff | Impeller Dia. | (NPSH)r |
|-------------|-------------------|-----|------|-------|-----------|-------|-----|---------------|---------|
| Model       | m <sup>3</sup> /h | L/s | m    | r/min | Shaft     | Motor | %   | mm            | m       |
| NDS80-210A  | 67                | 19  | 14.6 | 1450  | 3.7       | 7.5   | 72  | 205           | 1.9     |
|             | 114               | 32  | 12.6 |       | 4.8       |       | 81  |               | 2.4     |
|             | 138               | 38  | 10.8 |       | 5.2       |       | 78  |               | 2.9     |
| NDS80-210B  | 62                | 17  | 12.2 | 1450  | 3.0       | 5.5   | 69  | 190           | 1.9     |
|             | 106               | 29  | 10.2 |       | 3.8       |       | 78  |               | 2.4     |
|             | 127               | 35  | 8.6  |       | 4.0       |       | 74  |               | 2.9     |
| NDS80-210C  | 57                | 16  | 10.2 | 1450  | 2.4       | 4     | 66  | 175           | 1.9     |
|             | 97                | 27  | 8.1  |       | 2.8       |       | 76  |               | 2.4     |
|             | 117               | 33  | 6.6  |       | 3.0       |       | 70  |               | 2.9     |
| NDS80-270   | 86                | 24  | 25.7 | 1450  | 8.3       | 15    | 73  | 265           | 2       |
|             | 142               | 40  | 23   |       | 11.0      |       | 81  |               | 2.6     |
|             | 173               | 48  | 20   |       | 12.2      |       | 77  |               | 3.3     |
| NDS80-270A  | 80                | 22  | 21.7 | 1450  | 6.6       | 11    | 72  | 245           | 2       |
|             | 131               | 37  | 19   |       | 8.8       |       | 77  |               | 2.6     |
|             | 160               | 44  | 16.2 |       | 9.8       |       | 72  |               | 3.3     |
| NDS80-270B  | 73                | 20  | 18.2 | 1450  | 5.3       | 11    | 69  | 225           | 2       |
|             | 121               | 34  | 15.2 |       | 6.9       |       | 73  |               | 2.6     |
|             | 147               | 41  | 12.7 |       | 7.6       |       | 67  |               | 3.3     |
| NDS80-270C  | 67                | 19  | 14.6 | 1450  | 4.0       | 7.5   | 66  | 205           | 2       |
|             | 110               | 31  | 12   |       | 5.1       |       | 70  |               | 2.6     |
|             | 134               | 37  | 9.6  |       | 5.5       |       | 64  |               | 3.3     |
| NDS80-370   | 86                | 24  | 42.2 | 1480  | 14.6      | 30    | 68  | 330           | 2       |
|             | 144               | 40  | 39   |       | 20.4      |       | 75  |               | 2.6     |
|             | 173               | 48  | 35.9 |       | 23.5      |       | 72  |               | 3.3     |
| NDS80-370A  | 81                | 23  | 36.8 | 1480  | 12.1      | 22    | 67  | 310           | 2       |
|             | 135               | 38  | 33.7 |       | 16.8      |       | 74  |               | 2.6     |
|             | 162               | 45  | 30.6 |       | 19.1      |       | 71  |               | 3.3     |
| NDS80-370B  | 75                | 21  | 31.4 | 1480  | 9.7       | 18.5  | 66  | 285           | 2       |
|             | 124               | 35  | 28.2 |       | 13.1      |       | 73  |               | 2.6     |
|             | 149               | 41  | 25   |       | 14.5      |       | 70  |               | 3.3     |
| NDS80-370C  | 68                | 19  | 26   | 1480  | 7.4       | 15    | 65  | 260           | 2       |
|             | 113               | 32  | 22   |       | 9.4       |       | 72  |               | 2.6     |
|             | 136               | 38  | 19   |       | 10.4      |       | 68  |               | 3.3     |
| NDS100-250  | 101               | 28  | 22.1 | 1450  | 8.4       | 15    | 72  | 254           | 1.3     |
|             | 166               | 46  | 19.4 |       | 10.8      |       | 81  |               | 2.1     |
|             | 198               | 55  | 16.6 |       | 11.6      |       | 77  |               | 3       |
| NDS100-250A | 94                | 26  | 18.5 | 1450  | 6.6       | 11    | 72  | 236           | 1.3     |
|             | 154               | 43  | 16   |       | 8.4       |       | 80  |               | 2.1     |
|             | 184               | 51  | 13.8 |       | 9.0       |       | 77  |               | 3       |
| NDS100-250B | 87                | 24  | 15.8 | 1450  | 5.3       | 11    | 71  | 219           | 1.3     |
|             | 143               | 40  | 13.4 |       | 6.6       |       | 79  |               | 2.1     |
|             | 171               | 47  | 11.5 |       | 7.0       |       | 76  |               | 3       |
| NDS100-250C | 80                | 22  | 13.3 | 1450  | 4.1       | 7.5   | 71  | 201           | 1.3     |
|             | 131               | 36  | 11   |       | 5.0       |       | 78  |               | 2.1     |
|             | 157               | 44  | 9.4  |       | 5.4       |       | 75  |               | 3       |
| NDS100-310  | 130               | 36  | 38.4 | 1480  | 18.6      | 37    | 73  | 320           | 1.9     |
|             | 216               | 60  | 34.9 |       | 25.4      |       | 81  |               | 2.5     |
|             | 259               | 72  | 31.5 |       | 28.2      |       | 79  |               | 3.2     |
| NDS100-310A | 122               | 34  | 34.3 | 1480  | 15.8      | 30    | 72  | 301           | 1.9     |
|             | 203               | 56  | 31   |       | 21.5      |       | 80  |               | 2.5     |
|             | 244               | 68  | 28.5 |       | 24.0      |       | 79  |               | 3.2     |
| NDS100-310B | 113               | 31  | 29   | 1480  | 12.7      | 22    | 70  | 278           | 1.9     |
|             | 188               | 52  | 26.6 |       | 17.4      |       | 78  |               | 2.5     |
|             | 225               | 63  | 24.4 |       | 19.4      |       | 77  |               | 3.2     |

## Technical data

| Model       | Capacity          |     | Head | Speed | Power(kw) |       | Eff | Impeller Dia. | (NPSH)r |
|-------------|-------------------|-----|------|-------|-----------|-------|-----|---------------|---------|
| Model       | m <sup>3</sup> /h | L/s | m    | r/min | Shaft     | Motor | %   | mm            | m       |
| NDS100-310C | 103               | 29  | 24.3 | 1480  | 10.2      | 18.5  | 67  | 254           | 1.9     |
|             | 171               | 48  | 21.6 |       | 13.3      |       | 76  |               | 2.5     |
|             | 206               | 57  | 19.5 |       | 14.8      |       | 74  |               | 3.2     |
| NDS100-375  | 115               | 32  | 62.4 | 1480  | 29.7      | 55    | 66  | 408           | 1.9     |
|             | 191               | 53  | 56.5 |       | 39.2      |       | 75  |               | 2.3     |
|             | 230               | 64  | 50.5 |       | 44.0      |       | 72  |               | 3       |
| NDS100-375A | 108               | 30  | 53.3 | 1480  | 24.1      | 45    | 65  | 382           | 1.9     |
|             | 179               | 50  | 47.7 |       | 31.8      |       | 73  |               | 2.3     |
|             | 216               | 60  | 41   |       | 34.4      |       | 70  |               | 3       |
| NDS100-375B | 100               | 28  | 45.2 | 1480  | 19.3      | 37    | 64  | 355           | 1.9     |
|             | 166               | 46  | 40.5 |       | 25.8      |       | 71  |               | 2.3     |
|             | 200               | 56  | 34   |       | 28.1      |       | 66  |               | 3       |
| NDS100-375C | 92                | 25  | 38   | 1480  | 15.6      | 30    | 61  | 325           | 1.9     |
|             | 152               | 42  | 33.2 |       | 19.9      |       | 69  |               | 2.3     |
|             | 184               | 51  | 27   |       | 22.1      |       | 61  |               | 3       |
| NDS125-230  | 166               | 46  | 20.3 | 1480  | 12.5      | 22    | 73  | 245           | 1.6     |
|             | 274               | 76  | 17.3 |       | 15.4      |       | 84  |               | 1.8     |
|             | 328               | 91  | 15.2 |       | 17.2      |       | 79  |               | 2.6     |
| NDS125-230A | 154               | 43  | 17.2 | 1480  | 10.3      | 15    | 70  | 228           | 1.6     |
|             | 255               | 71  | 14   |       | 11.8      |       | 82  |               | 1.8     |
|             | 305               | 85  | 12   |       | 12.6      |       | 79  |               | 2.6     |
| NDS125-230B | 142               | 39  | 13.6 | 1480  | 7.9       | 11    | 67  | 210           | 1.6     |
|             | 235               | 65  | 11   |       | 8.8       |       | 80  |               | 1.8     |
|             | 281               | 78  | 9.1  |       | 9.2       |       | 76  |               | 2.6     |
| NDS125-230C | 130               | 36  | 11   | 1480  | 6.1       | 7.5   | 64  | 193           | 1.6     |
|             | 216               | 60  | 8.2  |       | 6.3       |       | 76  |               | 1.8     |
|             | 258               | 72  | 6.4  |       | 6.3       |       | 72  |               | 2.6     |
| NDS125-290  | 169               | 47  | 32   | 1480  | 19.2      | 37    | 77  | 298           | 1.2     |
|             | 281               | 78  | 28   |       | 25.5      |       | 84  |               | 1.8     |
|             | 338               | 94  | 25   |       | 28.1      |       | 82  |               | 2.8     |
| NDS125-290A | 157               | 44  | 26.4 | 1480  | 15.0      | 30    | 75  | 276           | 1.2     |
|             | 260               | 72  | 22.3 |       | 19.3      |       | 82  |               | 1.8     |
|             | 313               | 87  | 19.5 |       | 20.8      |       | 80  |               | 2.8     |
| NDS125-290B | 144               | 40  | 21.5 | 1480  | 11.6      | 18.5  | 73  | 254           | 1.2     |
|             | 239               | 66  | 17.9 |       | 14.6      |       | 80  |               | 1.8     |
|             | 288               | 80  | 15   |       | 15.1      |       | 78  |               | 2.8     |
| NDS125-290C | 132               | 37  | 17.7 | 1480  | 9.1       | 15    | 70  | 232           | 1.2     |
|             | 219               | 61  | 14   |       | 10.7      |       | 78  |               | 1.8     |
|             | 263               | 73  | 11.3 |       | 11.0      |       | 74  |               | 2.8     |
| NDS125-365  | 216               | 60  | 56.6 | 1480  | 42.7      | 75    | 78  | 390           | 3       |
|             | 360               | 100 | 50.2 |       | 57.9      |       | 85  |               | 3.8     |
|             | 432               | 120 | 45   |       | 64.6      |       | 82  |               | 5.7     |
| NDS125-365A | 196               | 54  | 44   | 1480  | 31.3      | 55    | 75  | 353           | 3       |
|             | 326               | 91  | 38.6 |       | 41.8      |       | 82  |               | 3.8     |
|             | 391               | 109 | 34   |       | 45.9      |       | 79  |               | 5.7     |
| NDS125-365B | 178               | 49  | 36   | 1480  | 24.2      | 45    | 72  | 321           | 3       |
|             | 296               | 82  | 30   |       | 30.7      |       | 79  |               | 3.8     |
|             | 356               | 99  | 26   |       | 33.1      |       | 76  |               | 5.7     |
| NDS125-365C | 160               | 44  | 29   | 1480  | 18.3      | 30    | 69  | 289           | 3       |
|             | 267               | 74  | 23.5 |       | 22.5      |       | 76  |               | 3.8     |
|             | 320               | 89  | 20   |       | 24.2      |       | 72  |               | 5.7     |
| NDS125-500  | 194               | 54  | 84   | 1480  | 59.3      | 110   | 75  | 475           | 1.6     |
|             | 324               | 90  | 77   |       | 82.9      |       | 82  |               | 2.3     |
|             | 389               | 108 | 71   |       | 95.2      |       | 79  |               | 3.8     |

# Technical data

| Model       | Capacity          |     | Head | Speed | Power(kw) |       | Eff | Impeller Dia. | (NPSH) <sub>r</sub> |
|-------------|-------------------|-----|------|-------|-----------|-------|-----|---------------|---------------------|
| Model       | m <sup>3</sup> /h | L/s | m    | r/min | Shaft     | Motor | %   | mm            | m                   |
| NDS125-500A | 173               | 48  | 73   | 1480  | 47.1      | 90    | 73  | 443           | 1.6                 |
|             | 288               | 80  | 67   |       | 65.7      |       | 80  |               | 2.3                 |
|             | 346               | 96  | 61   |       | 74.6      |       | 77  |               | 3.8                 |
| NDS125-500B | 151               | 42  | 62.5 | 1480  | 36.3      | 75    | 71  | 412           | 1.6                 |
|             | 252               | 70  | 56.5 |       | 49.7      |       | 78  |               | 2.3                 |
|             | 302               | 84  | 51.5 |       | 56.6      |       | 75  |               | 3.8                 |
| NDS125-500C | 130               | 36  | 53   | 1480  | 27.1      | 55    | 69  | 381           | 1.6                 |
|             | 216               | 60  | 48   |       | 37.2      |       | 76  |               | 2.3                 |
|             | 259               | 72  | 43   |       | 41.6      |       | 73  |               | 3.8                 |
| NDS150-290  | 259               | 72  | 26   | 1480  | 24.2      | 37    | 76  | 280           | 2                   |
|             | 432               | 120 | 22.6 |       | 30.6      |       | 87  |               | 2.7                 |
|             | 518               | 144 | 19.5 |       | 32.8      |       | 84  |               | 4.5                 |
| NDS150-290A | 244               | 68  | 23   | 1480  | 20.2      | 37    | 76  | 264           | 2                   |
|             | 407               | 113 | 19.8 |       | 25.6      |       | 86  |               | 2.7                 |
|             | 489               | 136 | 17.2 |       | 27.6      |       | 83  |               | 4.5                 |
| NDS150-290B | 225               | 62  | 19.3 | 1480  | 16.4      | 30    | 72  | 243           | 2                   |
|             | 375               | 104 | 16.2 |       | 19.7      |       | 84  |               | 2.7                 |
|             | 450               | 125 | 13.5 |       | 20.4      |       | 81  |               | 4.5                 |
| NDS150-290C | 210               | 58  | 16.3 | 1480  | 13.7      | 22    | 68  | 227           | 2                   |
|             | 350               | 97  | 13   |       | 15.5      |       | 80  |               | 2.7                 |
|             | 420               | 117 | 10.5 |       | 15.6      |       | 77  |               | 4.5                 |
| NDS150-360  | 270               | 75  | 44.8 | 1480  | 41.7      | 75    | 79  | 355           | 2                   |
|             | 450               | 125 | 38.6 |       | 55.0      |       | 86  |               | 2.5                 |
|             | 540               | 150 | 33   |       | 59.2      |       | 82  |               | 3.5                 |
| NDS150-360A | 247               | 69  | 37   | 1480  | 32.4      | 55    | 77  | 325           | 2                   |
|             | 412               | 114 | 31   |       | 41.9      |       | 83  |               | 2.5                 |
|             | 494               | 137 | 26.5 |       | 44.6      |       | 80  |               | 3.5                 |
| NDS150-360B | 227               | 63  | 31   | 1480  | 25.5      | 45    | 75  | 298           | 2                   |
|             | 378               | 105 | 25.3 |       | 32.1      |       | 81  |               | 2.5                 |
|             | 453               | 126 | 21   |       | 33.3      |       | 78  |               | 3.5                 |
| NDS150-360C | 208               | 58  | 26   | 1480  | 20.5      | 30    | 72  | 274           | 2                   |
|             | 347               | 96  | 20.3 |       | 24.6      |       | 78  |               | 2.5                 |
|             | 417               | 116 | 16   |       | 24.6      |       | 74  |               | 3.5                 |
| NDS150-460  | 310               | 86  | 74   | 1480  | 81.1      | 160   | 77  | 452           | 2.6                 |
|             | 515               | 143 | 66.5 |       | 111.0     |       | 84  |               | 3.2                 |
|             | 619               | 172 | 59   |       | 122.9     |       | 81  |               | 6                   |
| NDS150-460A | 285               | 79  | 62.5 | 1480  | 64.7      | 110   | 75  | 416           | 2.6                 |
|             | 474               | 132 | 55   |       | 85.5      |       | 83  |               | 3.2                 |
|             | 570               | 158 | 49   |       | 96.3      |       | 79  |               | 6                   |
| NDS150-460B | 259               | 72  | 52   | 1480  | 50.3      | 90    | 73  | 378           | 2.6                 |
|             | 431               | 120 | 45   |       | 65.2      |       | 81  |               | 3.2                 |
|             | 518               | 144 | 38   |       | 69.6      |       | 77  |               | 6                   |
| NDS150-460C | 233               | 65  | 42   | 1480  | 37.5      | 75    | 71  | 340           | 2.6                 |
|             | 387               | 108 | 36   |       | 47.5      |       | 80  |               | 3.2                 |
|             | 466               | 129 | 30   |       | 50.8      |       | 75  |               | 6                   |
| NDS150-605  | 346               | 96  | 117  | 1480  | 148.9     | 250   | 74  | 560           | 3                   |
|             | 576               | 160 | 105  |       | 203.5     |       | 81  |               | 3.8                 |
|             | 691               | 192 | 96   |       | 228.9     |       | 79  |               | 6                   |
| NDS150-605A | 323               | 90  | 102  | 1480  | 124.6     | 200   | 72  | 523           | 3                   |
|             | 538               | 149 | 90   |       | 164.9     |       | 80  |               | 3.8                 |
|             | 646               | 179 | 82   |       | 187.3     |       | 77  |               | 6                   |
| NDS150-605B | 300               | 83  | 87   | 1480  | 100.1     | 200   | 71  | 486           | 3                   |
|             | 500               | 139 | 77   |       | 134.5     |       | 78  |               | 3.8                 |
|             | 600               | 167 | 68   |       | 150.2     |       | 74  |               | 6                   |

## Technical data

| Model       | Capacity          |     | Head | Speed | Power(kw) |       | Eff | Impeller Dia. | (NPSH)r |
|-------------|-------------------|-----|------|-------|-----------|-------|-----|---------------|---------|
| Model       | m <sup>3</sup> /h | L/s | m    | r/min | Shaft     | Motor | %   | mm            | m       |
| NDS150-605C | 277               | 77  | 73   | 1480  | 81.1      | 160   | 68  | 449           | 3       |
|             | 462               | 128 | 62   |       | 102.7     |       | 76  |               | 3.8     |
|             | 540               | 150 | 55   |       | 115.6     |       | 70  |               | 6       |
| NDS200-250  | 389               | 108 | 26   | 1480  | 34.4      | 55    | 80  | 281           | 2.1     |
|             | 648               | 180 | 21   |       | 42.6      |       | 87  |               | 3.1     |
|             | 778               | 216 | 18   |       | 45.4      |       | 84  |               | 4.5     |
| NDS200-250A | 367               | 102 | 22   | 1480  | 29.3      | 45    | 75  | 265           | 2.1     |
|             | 611               | 170 | 17   |       | 34.1      |       | 83  |               | 3.1     |
|             | 733               | 204 | 14.5 |       | 36.2      |       | 80  |               | 4.5     |
| NDS200-250B | 342               | 95  | 18.8 | 1480  | 25.0      | 37    | 70  | 247           | 2.1     |
|             | 570               | 158 | 14   |       | 27.5      |       | 79  |               | 3.1     |
|             | 684               | 190 | 11   |       | 27.7      |       | 74  |               | 4.5     |
| NDS200-250C | 318               | 88  | 15.5 | 1480  | 19.8      | 22    | 68  | 230           | 2.1     |
|             | 530               | 147 | 10.4 |       | 20.3      |       | 74  |               | 3.1     |
|             | 636               | 177 | 7.2  |       | 20.5      |       | 61  |               | 4.5     |
| NDS200-320  | 396               | 110 | 38   | 1480  | 53.3      | 75    | 77  | 338           | 3       |
|             | 659               | 183 | 32   |       | 66.0      |       | 87  |               | 3.4     |
|             | 792               | 220 | 26   |       | 68.4      |       | 82  |               | 4.2     |
| NDS200-320A | 368               | 102 | 31.4 | 1480  | 40.9      | 75    | 77  | 314           | 3       |
|             | 612               | 170 | 25.4 |       | 50.4      |       | 84  |               | 3.4     |
|             | 736               | 204 | 20.4 |       | 51.8      |       | 79  |               | 4.2     |
| NDS200-320B | 340               | 94  | 26   | 1480  | 33.4      | 45    | 72  | 290           | 3       |
|             | 565               | 157 | 20   |       | 39.0      |       | 79  |               | 3.4     |
|             | 680               | 189 | 15   |       | 36.5      |       | 76  |               | 4.2     |
| NDS200-320C | 312               | 87  | 21   | 1480  | 25.8      | 30    | 69  | 266           | 3       |
|             | 518               | 144 | 15.2 |       | 28.3      |       | 76  |               | 3.4     |
|             | 623               | 173 | 11   |       | 25.9      |       | 72  |               | 4.2     |
| NDS200-420  | 421               | 117 | 62   | 1480  | 90.1      | 160   | 79  | 415           | 3       |
|             | 702               | 195 | 54   |       | 118.7     |       | 87  |               | 3.8     |
|             | 842               | 234 | 47   |       | 131.6     |       | 82  |               | 5.6     |
| NDS200-420A | 386               | 107 | 51   | 1480  | 68.7      | 110   | 78  | 380           | 3       |
|             | 643               | 179 | 43   |       | 89.7      |       | 84  |               | 3.8     |
|             | 771               | 214 | 37   |       | 97.2      |       | 80  |               | 5.6     |
| NDS200-420B | 355               | 99  | 42.5 | 1480  | 54.8      | 90    | 75  | 350           | 3       |
|             | 592               | 164 | 36   |       | 71.7      |       | 81  |               | 3.8     |
|             | 710               | 197 | 29   |       | 72.0      |       | 78  |               | 5.6     |
| NDS200-420C | 325               | 90  | 35   | 1480  | 43.0      | 75    | 72  | 320           | 3       |
|             | 541               | 150 | 27.5 |       | 52.0      |       | 78  |               | 3.8     |
|             | 650               | 180 | 22.5 |       | 53.8      |       | 74  |               | 5.6     |
| NDS200-520  | 490               | 136 | 106  | 1480  | 183.6     | 315   | 77  | 530           | 2.2     |
|             | 814               | 226 | 93   |       | 248.4     |       | 83  |               | 4.2     |
|             | 976               | 271 | 83   |       | 282.9     |       | 78  |               | 7       |
| NDS200-520A | 449               | 125 | 87   | 1480  | 138.2     | 250   | 77  | 486           | 2.2     |
|             | 746               | 207 | 78   |       | 195.8     |       | 81  |               | 4.2     |
|             | 895               | 249 | 68   |       | 212.5     |       | 78  |               | 7       |
| NDS200-520B | 408               | 113 | 71   | 1480  | 105.3     | 200   | 75  | 442           | 2.2     |
|             | 679               | 188 | 61   |       | 142.8     |       | 79  |               | 4.2     |
|             | 814               | 226 | 53   |       | 152.6     |       | 77  |               | 7       |
| NDS200-520C | 368               | 102 | 56   | 1480  | 76.9      | 132   | 73  | 398           | 2.2     |
|             | 611               | 170 | 47   |       | 100.3     |       | 78  |               | 4.2     |
|             | 733               | 204 | 39   |       | 103.8     |       | 75  |               | 7       |
| NDS200-670  | 475               | 132 | 163  | 1480  | 289.1     | 500   | 73  | 655           | 2.5     |
|             | 792               | 220 | 150  |       | 399.6     |       | 81  |               | 3.2     |
|             | 936               | 260 | 140  |       | 457.8     |       | 78  |               | 4.6     |

# Technical data

| Model       | Capacity          |     | Head | Speed | Power(kw) |       | Eff  | Impeller Dia. | (NPSH) <sub>r</sub> |
|-------------|-------------------|-----|------|-------|-----------|-------|------|---------------|---------------------|
| Model       | m <sup>3</sup> /h | L/s | m    | r/min | Shaft     | Motor | %    | mm            | m                   |
| NDS200-670A | 443               | 123 | 140  | 1480  | 234.9     | 400   | 72   | 611           | 2.5                 |
|             | 739               | 205 | 127  |       | 319.6     |       | 80   |               | 3.2                 |
|             | 873               | 243 | 116  |       | 358.4     |       | 77   |               | 4.6                 |
| NDS200-670B | 412               | 114 | 120  | 1480  | 189.8     | 315   | 71   | 568           | 2.5                 |
|             | 687               | 191 | 107  |       | 256.7     |       | 78   |               | 3.2                 |
|             | 812               | 225 | 98   |       | 285.2     |       | 76   |               | 4.6                 |
| NDS200-670C | 381               | 106 | 102  | 1480  | 153.4     | 250   | 69   | 525           | 2.5                 |
|             | 635               | 176 | 90   |       | 204.8     |       | 76   |               | 3.2                 |
|             | 750               | 208 | 82   |       | 226.5     |       | 74   |               | 4.6                 |
| NDS250-370  | 637               | 177 | 47   | 1480  | 107.4     | 160   | 76   | 369           | 3.1                 |
|             | 1062              | 295 | 39.4 |       | 129.6     |       | 88   |               | 3.8                 |
|             | 1274              | 354 | 30.5 |       | 126.1     |       | 84   |               | 5                   |
| NDS250-370A | 587               | 163 | 40.5 | 1480  | 88.8      | 132   | 73   | 340           | 3.1                 |
|             | 979               | 272 | 33   |       | 103.5     |       | 85   |               | 3.8                 |
|             | 1174              | 326 | 28   |       | 110.6     |       | 81   |               | 5                   |
| NDS250-370B | 535               | 149 | 34   | 1480  | 70.8      | 110   | 70   | 310           | 3.1                 |
|             | 892               | 248 | 27   |       | 80.0      |       | 82   |               | 3.8                 |
|             | 1071              | 297 | 22.8 |       | 85.3      |       | 78   |               | 5                   |
| NDS250-370C | 480               | 133 | 27.4 | 1480  | 54.3      | 75    | 66   | 278           | 3.1                 |
|             | 800               | 222 | 21.6 |       | 60.4      |       | 78   |               | 3.8                 |
|             | 960               | 267 | 18   |       | 62.8      |       | 75   |               | 5                   |
| NDS250-480  | 734               | 204 | 78   | 1480  | 197.6     | 315   | 79   | 470           | 3.1                 |
|             | 1224              | 340 | 68   |       | 257.7     |       | 88   |               | 4.2                 |
|             | 1469              | 408 | 61   |       | 287.2     |       | 85   |               | 6.1                 |
| NDS250-480A | 684               | 190 | 67.5 | 1480  | 161.4     | 250   | 78   | 438           | 3.1                 |
|             | 1141              | 317 | 58   |       | 209.6     |       | 86   |               | 4.2                 |
|             | 1369              | 380 | 52   |       | 233.7     |       | 83   |               | 6.1                 |
| NDS250-480B | 630               | 175 | 58   | 1480  | 130.9     | 200   | 76   | 403           | 3.1                 |
|             | 1050              | 292 | 49   |       | 166.8     |       | 84   |               | 4.2                 |
|             | 1259              | 350 | 43   |       | 184.5     |       | 80   |               | 6.1                 |
| NDS250-480C | 577               | 160 | 48   | 1480  | 103.3     | 160   | 73   | 369           | 3.1                 |
|             | 961               | 267 | 42   |       | 135.8     |       | 81   |               | 4.2                 |
|             | 1153              | 320 | 36   |       | 145.0     |       | 78   |               | 6.1                 |
| NDS250-600  | 778               | 216 | 134  | 1480  | 364.0     | 630   | 78   | 610           | 2.2                 |
|             | 1296              | 360 | 121  |       | 496.9     |       | 86   |               | 4.7                 |
|             | 1555              | 432 | 108  |       | 558.1     |       | 82   |               | 7                   |
| NDS250-600A | 724               | 201 | 118  | 1480  | 306.3     | 500   | 76   | 568           | 2.2                 |
|             | 1207              | 335 | 106  |       | 410.1     |       | 85   |               | 4.7                 |
|             | 1448              | 402 | 95   |       | 451.6     |       | 83   |               | 7                   |
| NDS250-600B | 663               | 184 | 99   | 1480  | 241.6     | 400   | 74   | 520           | 2.2                 |
|             | 1105              | 307 | 88   |       | 315.4     |       | 84   |               | 4.7                 |
|             | 1326              | 368 | 78   |       | 343.6     |       | 82   |               | 7                   |
| NDS250-600C | 606               | 168 | 81   | 1480  | 185.6     | 315   | 72   | 475           | 2.2                 |
|             | 1009              | 280 | 70   |       | 234.7     |       | 82   |               | 4.7                 |
|             | 1211              | 336 | 60   |       | 247.5     |       | 80   |               | 7                   |
| NDS300-300  | 648               | 180 | 32   | 1480  | 76.4      | 90    | 74   | 330           | 4.4                 |
|             | 1080              | 300 | 25   |       | 85.1      |       | 86.5 |               | 6                   |
|             | 1296              | 360 | 19.2 |       | 84.8      |       | 80   |               | 7                   |
| NDS300-300A | 605               | 168 | 27   | 1480  | 61.8      | 75    | 72   | 308           | 4.4                 |
|             | 1008              | 280 | 20   |       | 65.0      |       | 84.5 |               | 6                   |
|             | 1210              | 336 | 15   |       | 63.4      |       | 78   |               | 7                   |
| NDS300-300B | 564               | 157 | 22   | 1480  | 48.3      | 55    | 70   | 287           | 4.4                 |
|             | 939               | 261 | 16   |       | 49.3      |       | 83   |               | 6                   |
|             | 1127              | 313 | 11.5 |       | 47.7      |       | 74   |               | 7                   |

## Technical data

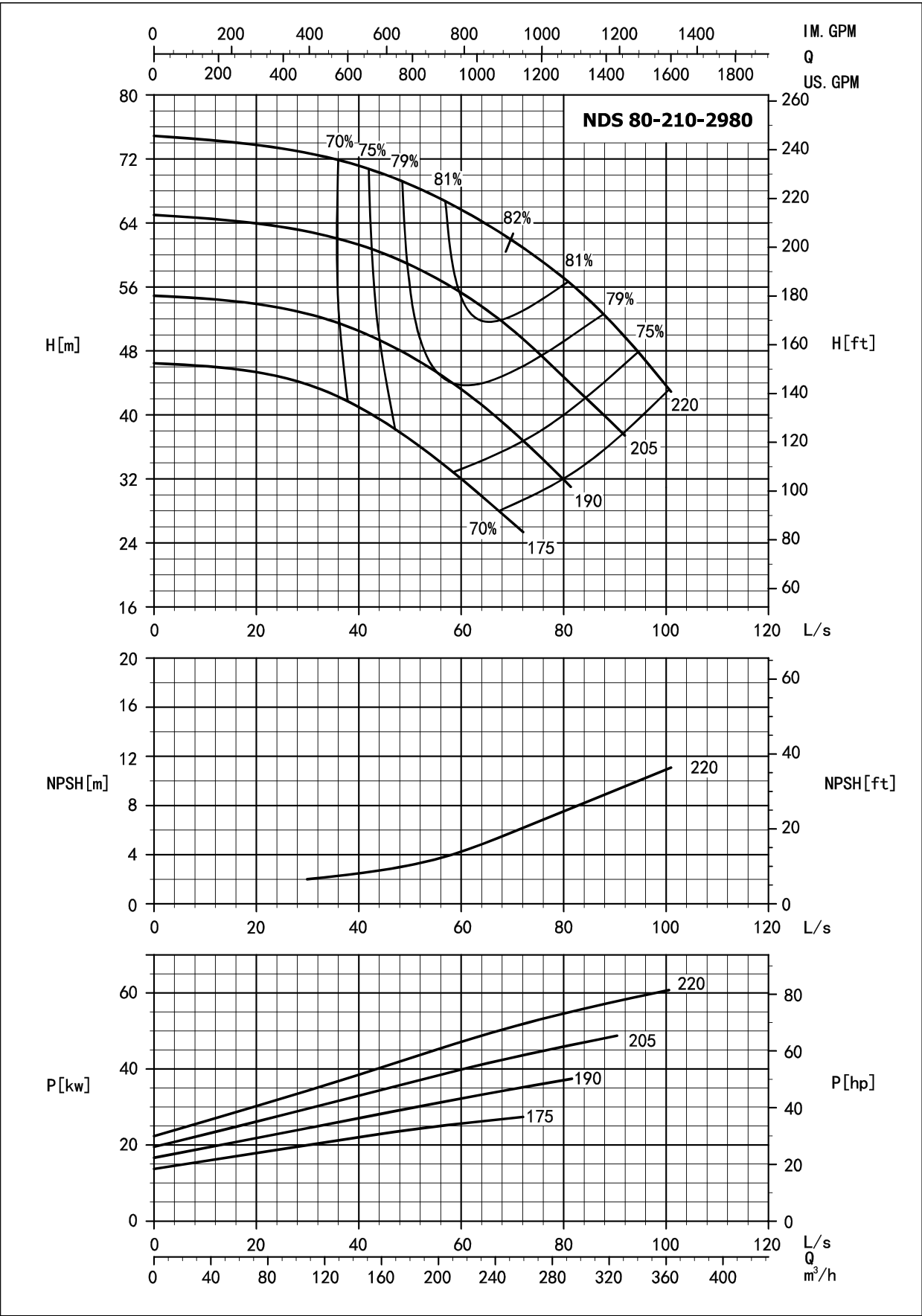
| Model       | Capacity          |     | Head | Speed | Power(kw) |       | Eff  | Impeller Dia. | (NPSH) <sub>r</sub> |
|-------------|-------------------|-----|------|-------|-----------|-------|------|---------------|---------------------|
| Model       | m <sup>3</sup> /h | L/s | m    | r/min | Shaft     | Motor | %    | mm            | m                   |
| NDS300-300C | 509               | 141 | 18   | 1480  | 37.8      | 45    | 66   | 259           | 4.4                 |
|             | 848               | 235 | 12.6 |       | 36.8      |       | 79   |               | 6                   |
|             | 1017              | 283 | 9    |       | 34.6      |       | 72   |               | 7                   |
| NDS300-435  | 1080              | 300 | 65   | 1480  | 242.1     | 355   | 79   | 438           | 4.6                 |
|             | 1800              | 500 | 56   |       | 308.6     |       | 89   |               | 5.5                 |
|             | 2160              | 600 | 49   |       | 335.3     |       | 86   |               | 7                   |
| NDS300-435A | 1023              | 284 | 57   | 1480  | 203.8     | 315   | 78   | 415           | 4.6                 |
|             | 1705              | 474 | 48   |       | 253.5     |       | 88   |               | 5.5                 |
|             | 2047              | 568 | 42   |       | 275.5     |       | 85   |               | 7                   |
| NDS300-435B | 952               | 264 | 50   | 1480  | 168.4     | 250   | 77   | 386           | 4.6                 |
|             | 1586              | 441 | 41   |       | 203.7     |       | 87   |               | 5.5                 |
|             | 1904              | 529 | 34   |       | 212.5     |       | 83   |               | 7                   |
| NDS300-435C | 873               | 242 | 42   | 1480  | 133.2     | 200   | 75   | 354           | 4.6                 |
|             | 1455              | 404 | 33   |       | 153.9     |       | 85   |               | 5.5                 |
|             | 1746              | 485 | 27   |       | 160.5     |       | 80   |               | 7                   |
| NDS300-560  | 1026              | 285 | 118  | 1480  | 412.4     | 710   | 80   | 565           | 4.3                 |
|             | 1710              | 475 | 105  |       | 562.3     |       | 87   |               | 7                   |
|             | 2052              | 570 | 95   |       | 624.9     |       | 85   |               | 9                   |
| NDS300-560A | 935               | 260 | 96   | 1480  | 317.7     | 500   | 77   | 515           | 4.3                 |
|             | 1559              | 433 | 83   |       | 409.9     |       | 86   |               | 7                   |
|             | 1870              | 520 | 73   |       | 442.9     |       | 84   |               | 9                   |
| NDS300-560B | 846               | 235 | 78   | 1480  | 243.0     | 355   | 74   | 466           | 4.3                 |
|             | 1410              | 392 | 65   |       | 293.9     |       | 85   |               | 7                   |
|             | 1692              | 470 | 55   |       | 309.3     |       | 82   |               | 9                   |
| NDS300-560C | 774               | 215 | 63   | 1480  | 184.4     | 250   | 72   | 426           | 4.3                 |
|             | 1289              | 358 | 52   |       | 220.1     |       | 83   |               | 7                   |
|             | 1547              | 430 | 42   |       | 227.0     |       | 78   |               | 9                   |
| NDS300-70   | 1102              | 306 | 180  | 1480  | 683.9     | 1100  | 79   | 7             | 3.9                 |
|             | 1836              | 510 | 160  |       | 930.7     |       | 86   |               | 4.6                 |
|             | 2088              | 580 | 152  |       | 1017.4    |       | 85   |               | 6                   |
| NDS300-700  | 1023              | 284 | 157  | 1480  | 568.6     | 900   | 77   | 65            | 3.9                 |
|             | 1706              | 474 | 137  |       | 749.1     |       | 85   |               | 4.6                 |
|             | 2052              | 570 | 125  |       | 832.0     |       | 84   |               | 6                   |
| NDS300-700  | 938               | 260 | 126  | 1480  | 423.5     | 710   | 76   | 600           | 3.9                 |
|             | 1563              | 434 | 115  |       | 582.9     |       | 84   |               | 4.6                 |
|             | 1880              | 522 | 103  |       | 635.6     |       | 83   |               | 6                   |
| NDS300-700  | 859               | 239 | 108  | 1480  | 341.8     | 560   | 74   | 550           | 3.9                 |
|             | 1432              | 398 | 94   |       | 442.0     |       | 83   |               | 4.6                 |
|             | 1723              | 479 | 84   |       | 480.9     |       | 82   |               | 6                   |
| NDS350-360  | 1015              | 282 | 42   | 1480  | 166.0     | 200   | 70   | 382           | 4.6                 |
|             | 1692              | 470 | 31.5 |       | 167.9     |       | 86.5 |               | 5.7                 |
|             | 2030              | 564 | 22   |       | 156.0     |       | 78   |               | 8.4                 |
| NDS350-360A | 949               | 264 | 36   | 1480  | 136.9     | 160   | 68   | 357           | 4.6                 |
|             | 1581              | 439 | 27   |       | 138.5     |       | 84   |               | 5.7                 |
|             | 1898              | 527 | 19   |       | 127.6     |       | 77   |               | 8.4                 |
| NDS350-360B | 882               | 245 | 31   | 1480  | 112.9     | 132   | 66   | 332           | 4.6                 |
|             | 1471              | 408 | 23   |       | 112.4     |       | 82   |               | 5.7                 |
|             | 1765              | 490 | 16   |       | 101.2     |       | 76   |               | 8.4                 |
| NDS350-360C | 842               | 234 | 26   | 1480  | 94.7      | 110   | 63   | 317           | 4.6                 |
|             | 1404              | 390 | 18   |       | 87.2      |       | 79   |               | 5.7                 |
|             | 1685              | 468 | 12   |       | 76.5      |       | 72   |               | 8.4                 |
| NDS350-430  | 1685              | 468 | 55   | 1480  | 355.6     | 450   | 71   | 440           | 7.5                 |
|             | 2808              | 780 | 42.5 |       | 380.3     |       | 85.5 |               | 9.8                 |
|             | 3370              | 936 | 35   |       | 396.7     |       | 81   |               | 12.6                |

# Technical data

| Model       | Capacity          |     | Head | Speed | Power(kw) |       | Eff | Impeller Dia. | (NPSH) <sub>r</sub> |
|-------------|-------------------|-----|------|-------|-----------|-------|-----|---------------|---------------------|
| Model       | m <sup>3</sup> /h | L/s | m    | r/min | Shaft     | Motor | %   | mm            | m                   |
| NDS350-430A | 1574              | 437 | 48   | 1480  | 298.3     | 355   | 69  | 411           | 7.5                 |
|             | 2623              | 729 | 36   |       | 306.3     |       | 84  |               | 9.8                 |
|             | 3148              | 874 | 28   |       | 304.0     |       | 79  |               | 12.6                |
| NDS350-430B | 1463              | 406 | 40   | 1480  | 241.6     | 315   | 66  | 382           | 7.5                 |
|             | 2438              | 677 | 28   |       | 229.6     |       | 81  |               | 9.8                 |
|             | 2925              | 813 | 21   |       | 220.3     |       | 76  |               | 12.6                |
| NDS350-430C | 1398              | 388 | 34   | 1480  | 202.3     | 250   | 64  | 365           | 7.5                 |
|             | 2329              | 647 | 22.5 |       | 180.8     |       | 79  |               | 9.8                 |
|             | 2700              | 750 | 17   |       | 173.7     |       | 72  |               | 12.6                |
| NDS350-510  | 1685              | 468 | 88   | 1480  | 511.4     | 710   | 79  | 515           | 4.5                 |
|             | 2808              | 780 | 76   |       | 639.0     |       | 91  |               | 8.5                 |
|             | 3370              | 936 | 66   |       | 688.6     |       | 88  |               | 11.5                |
| NDS350-510A | 1577              | 438 | 77   | 1480  | 429.7     | 630   | 77  | 482           | 4.5                 |
|             | 2628              | 730 | 66   |       | 525.1     |       | 90  |               | 8.5                 |
|             | 3154              | 876 | 57   |       | 563.0     |       | 87  |               | 11.5                |
| NDS350-510B | 1456              | 404 | 65   | 1480  | 343.8     | 500   | 75  | 445           | 4.5                 |
|             | 2426              | 674 | 56   |       | 416.0     |       | 89  |               | 8.5                 |
|             | 2912              | 809 | 48   |       | 448.0     |       | 85  |               | 11.5                |
| NDS350-510C | 1335              | 371 | 53   | 1480  | 271.5     | 400   | 71  | 408           | 4.5                 |
|             | 2225              | 618 | 46   |       | 324.2     |       | 86  |               | 8.5                 |
|             | 2670              | 742 | 38   |       | 345.5     |       | 80  |               | 11.5                |
| NDS350-575  | 1706              | 474 | 113  | 1480  | 673.6     | 1100  | 78  | 571           | 3                   |
|             | 2844              | 790 | 101  |       | 869.6     |       | 90  |               | 7.5                 |
|             | 3420              | 950 | 91   |       | 986.1     |       | 86  |               | 10.5                |
| NDS350-575A | 1611              | 447 | 102  | 1480  | 581.4     | 900   | 77  | 539           | 3                   |
|             | 2685              | 746 | 87   |       | 715.1     |       | 89  |               | 7.5                 |
|             | 3228              | 897 | 77   |       | 796.9     |       | 85  |               | 10.5                |
| NDS350-575B | 1512              | 420 | 90   | 1480  | 494.4     | 710   | 75  | 506           | 3                   |
|             | 2520              | 700 | 76   |       | 593.1     |       | 88  |               | 7.5                 |
|             | 3031              | 842 | 67   |       | 666.6     |       | 83  |               | 10.5                |
| NDS350-575C | 1417              | 393 | 79   | 1480  | 417.7     | 630   | 73  | 474           | 3                   |
|             | 2361              | 656 | 66   |       | 493.7     |       | 86  |               | 7.5                 |
|             | 2839              | 789 | 57   |       | 551.2     |       | 80  |               | 10.5                |

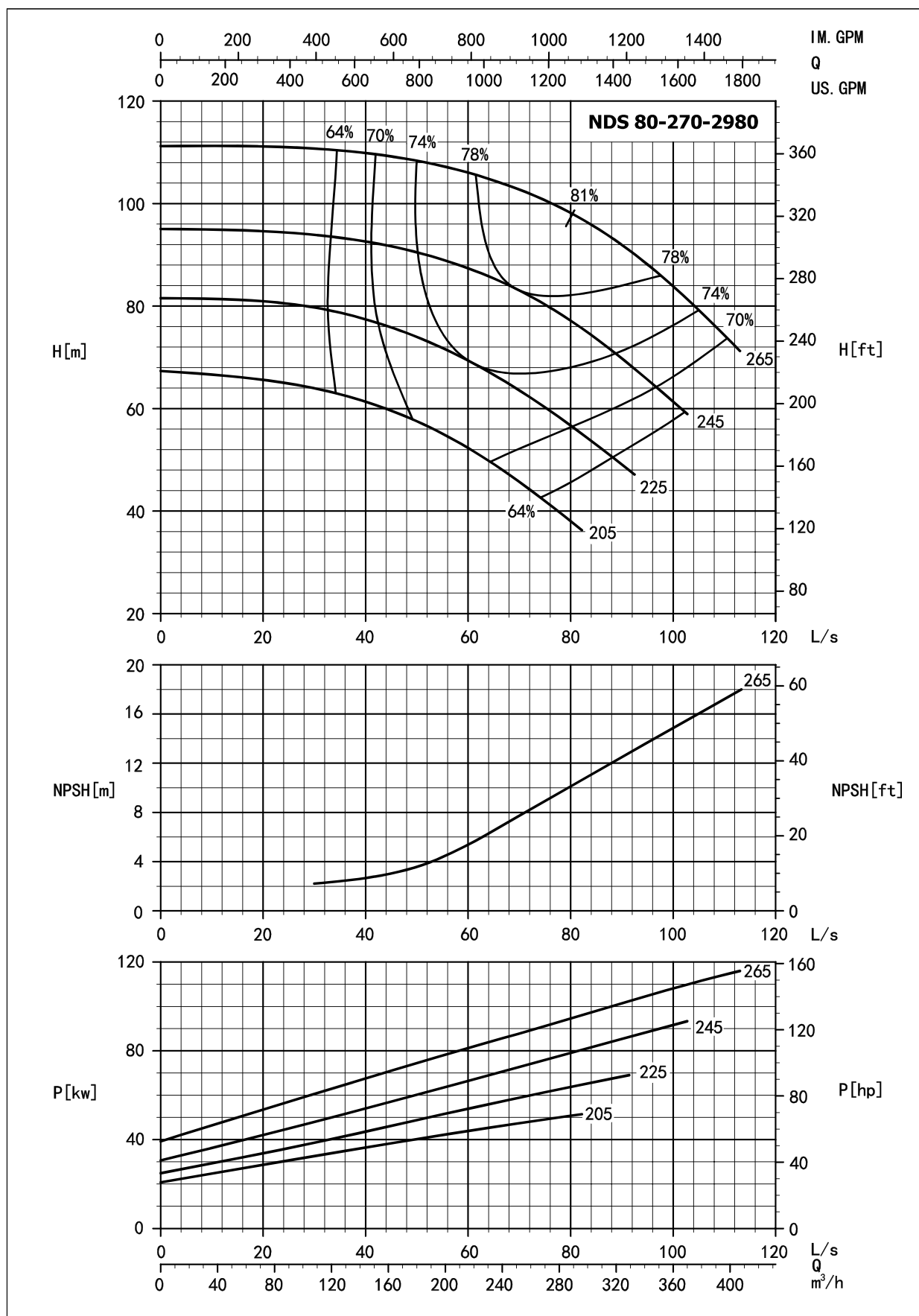
# Performance Curves

The performance curves applies to ISO9906 grade 2 for clean cold water only.



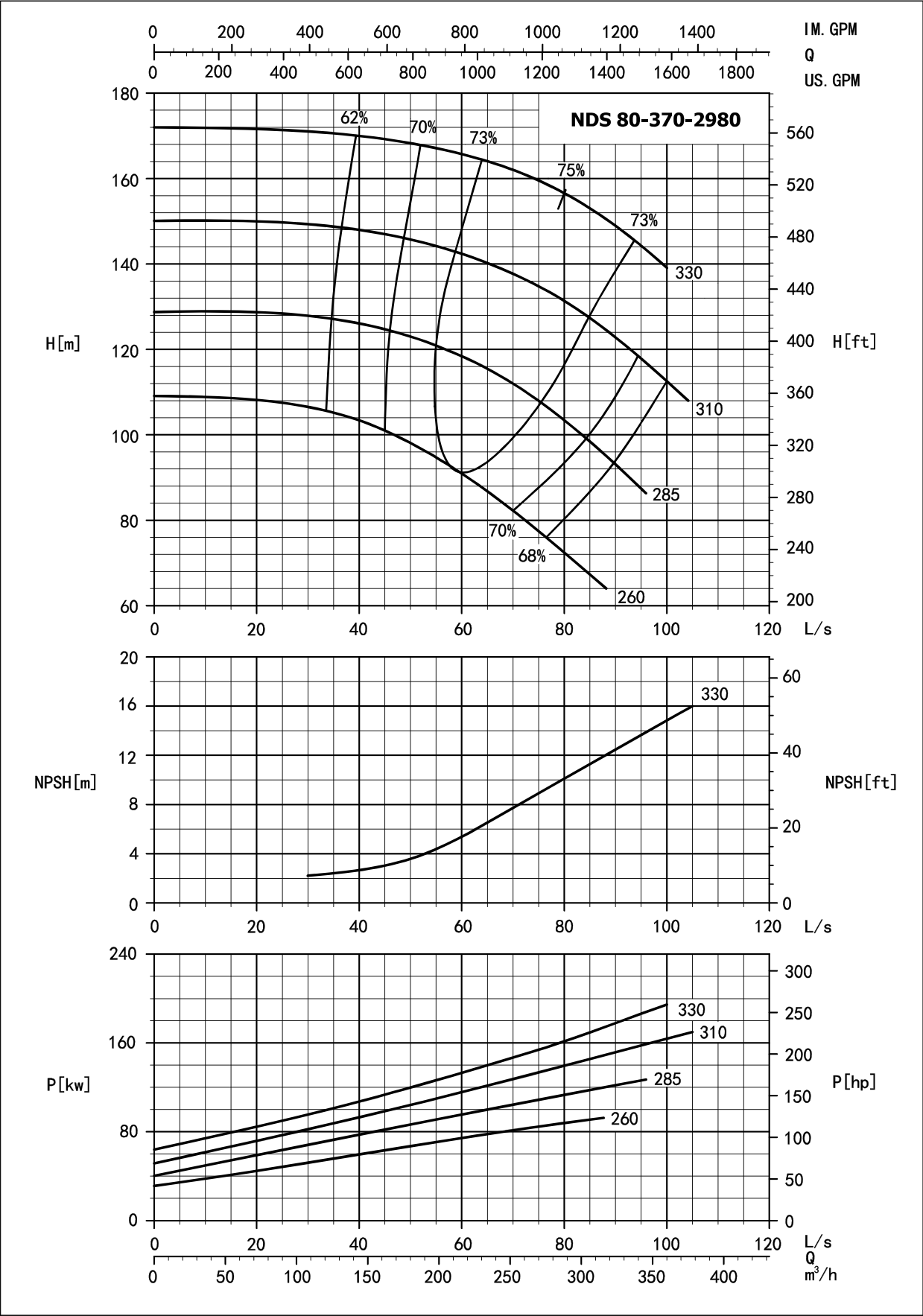
# Performance Curves

The performance curves apply to ISO9906 grade 2 for clean cold water only.



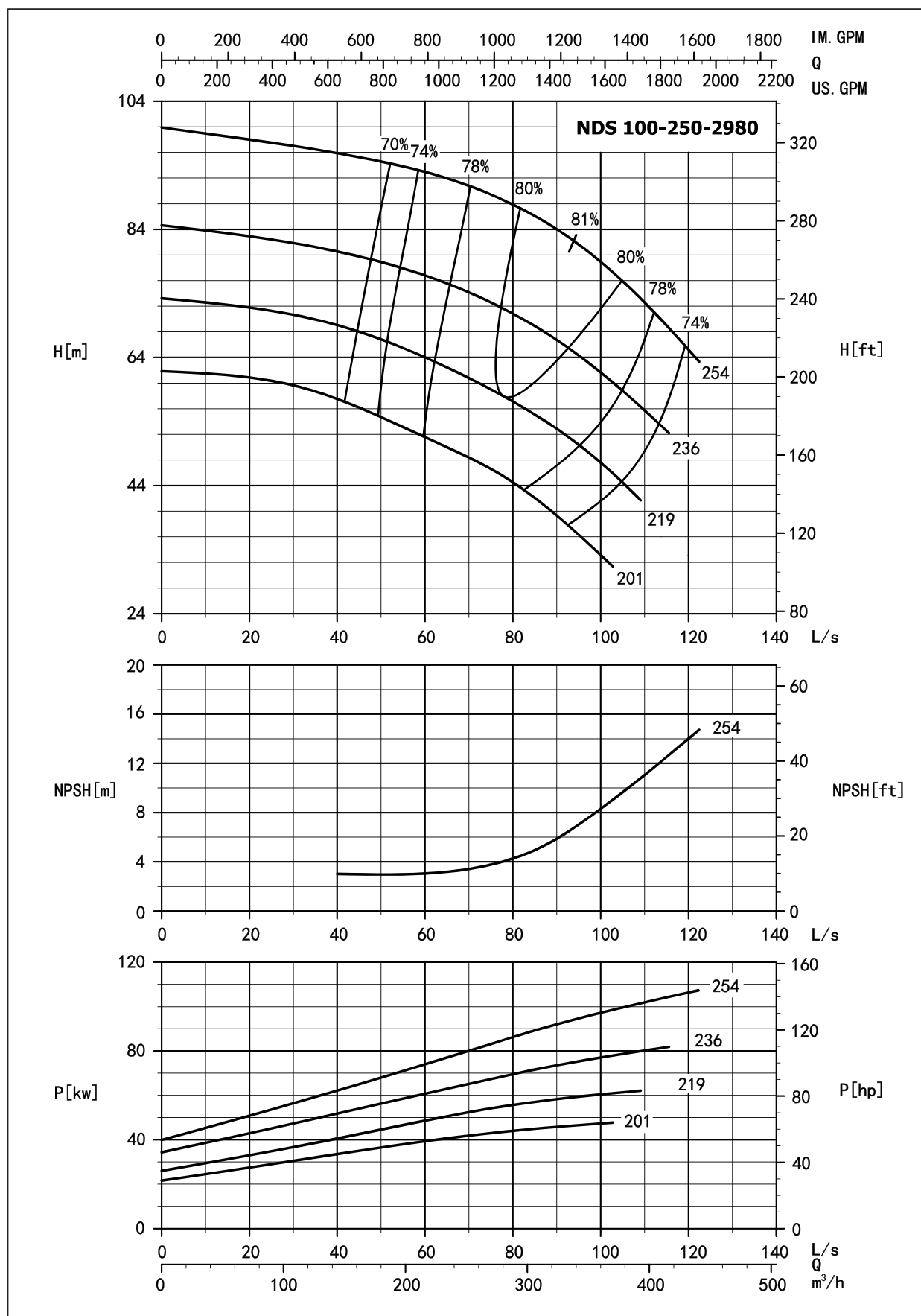
# Performance Curves

The performance curves applies to ISO9906 grade 2 for clean cold water only.



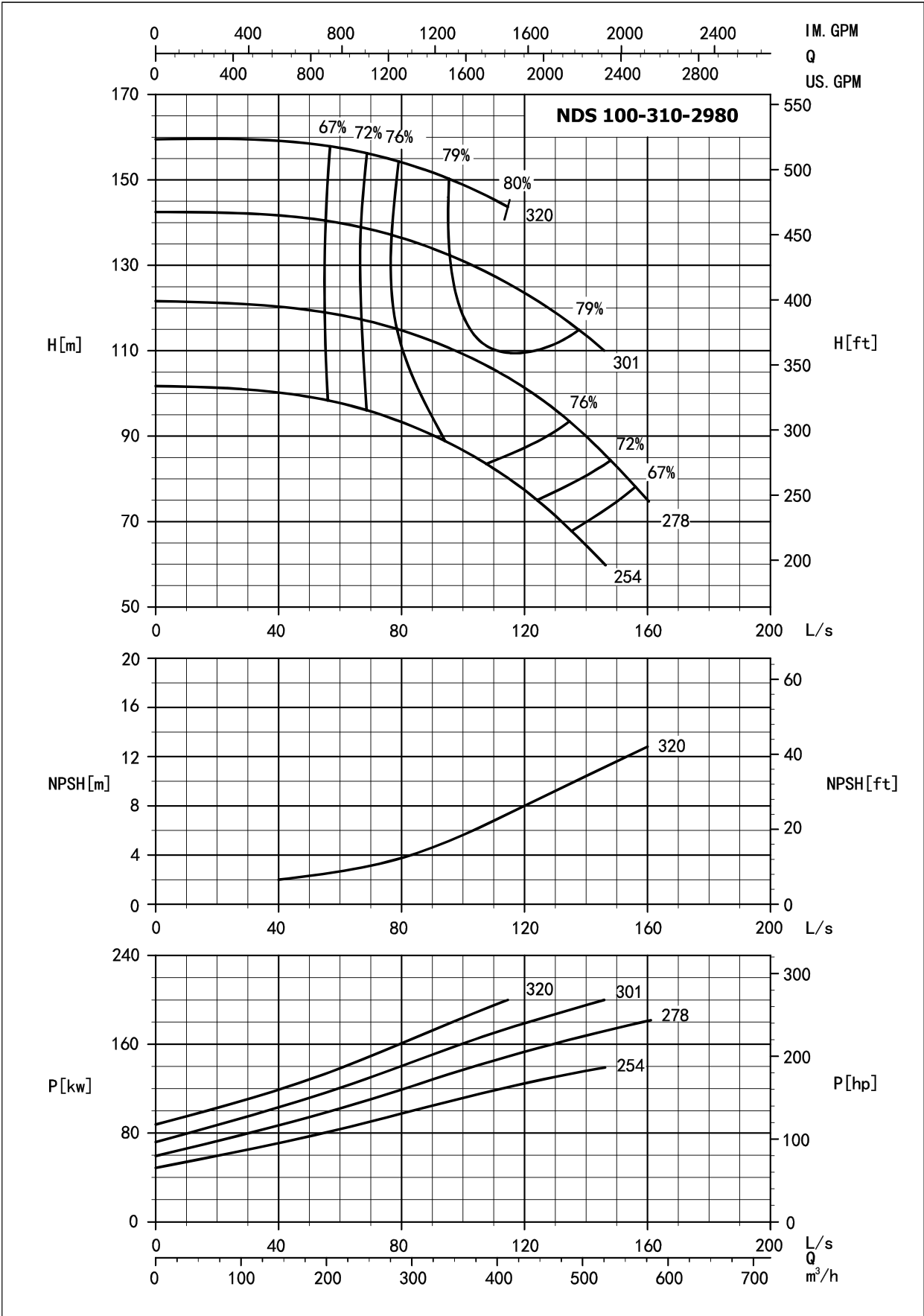
# Performance Curves

The performance curves apply to ISO9906 grade 2 for clean cold water only.



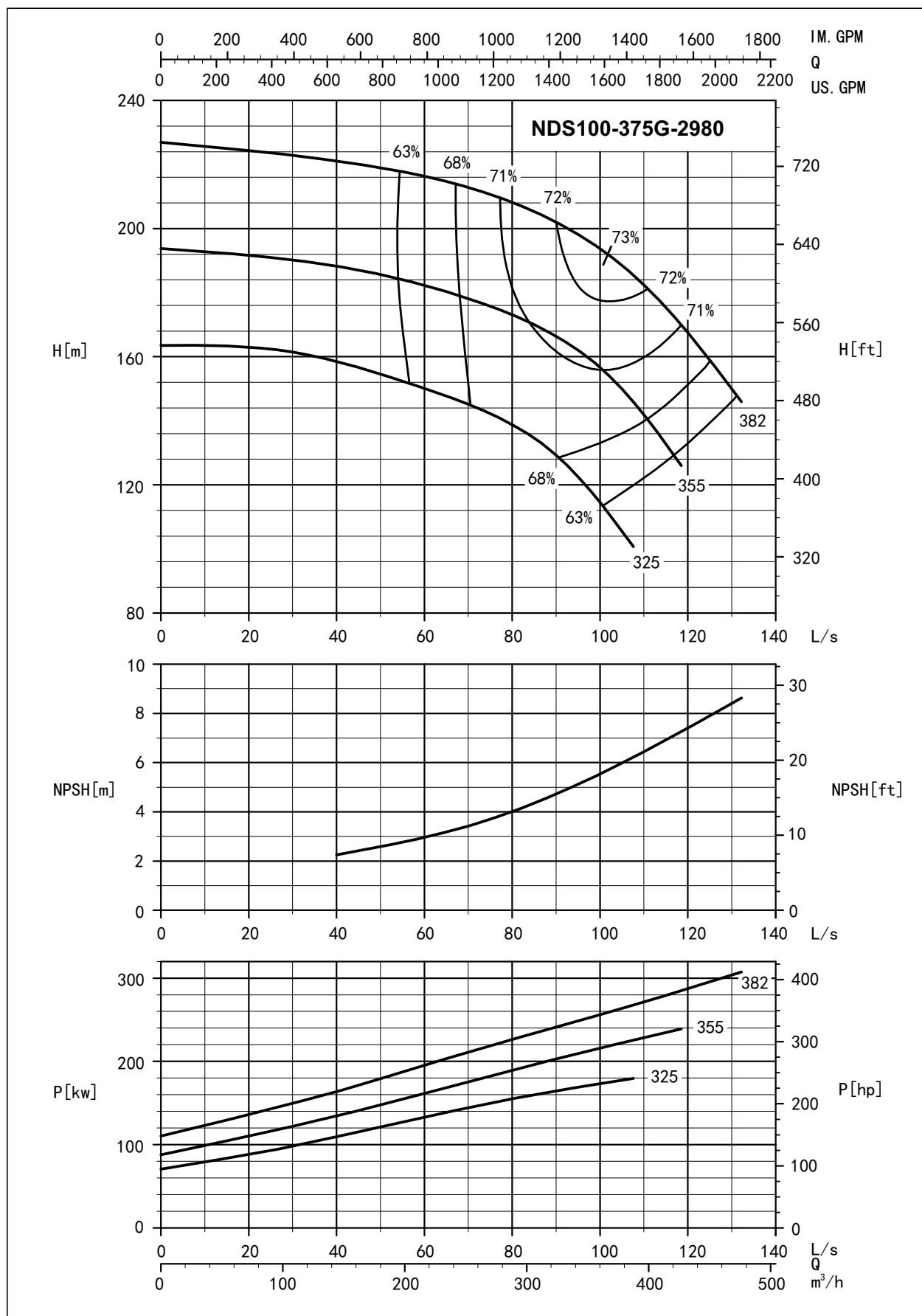
# Performance Curves

The performance curves applies to ISO9906 grade 2 for clean cold water only.



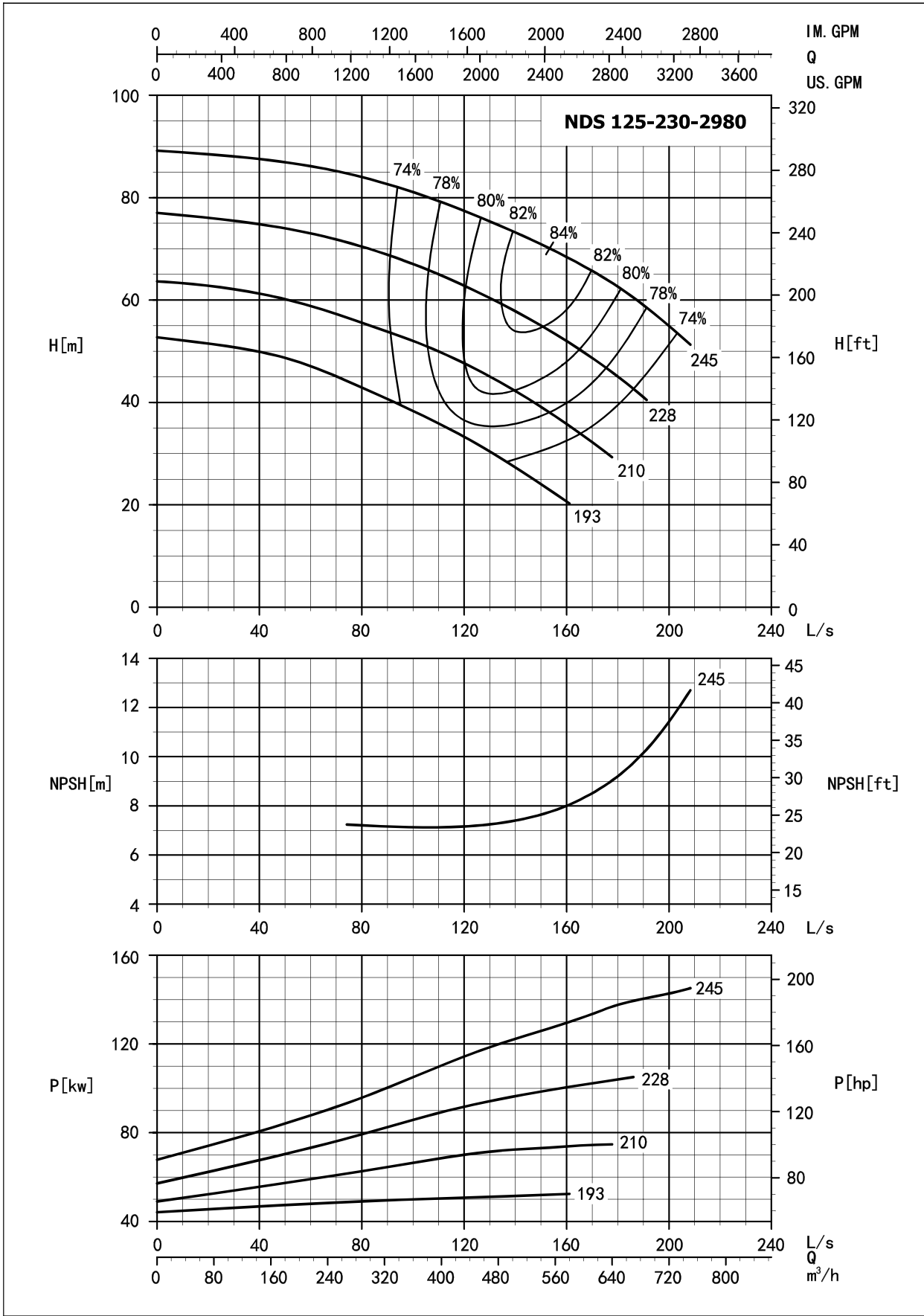
# Performance Curves

The performance curves apply to ISO9906 grade 2 for clean cold water only.



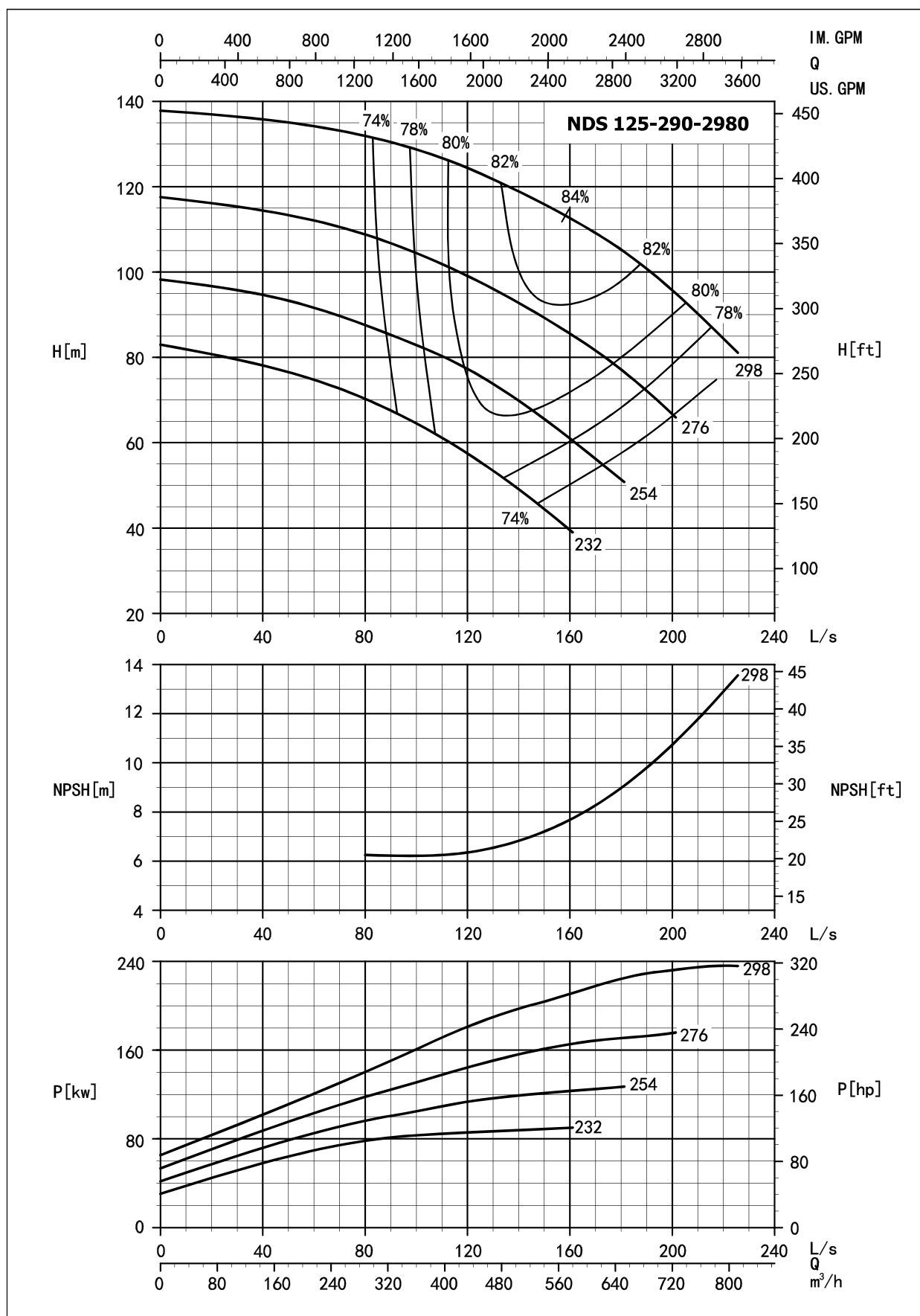
# Performance Curves

The performance curves applies to ISO9906 grade 2 for clean cold water only.



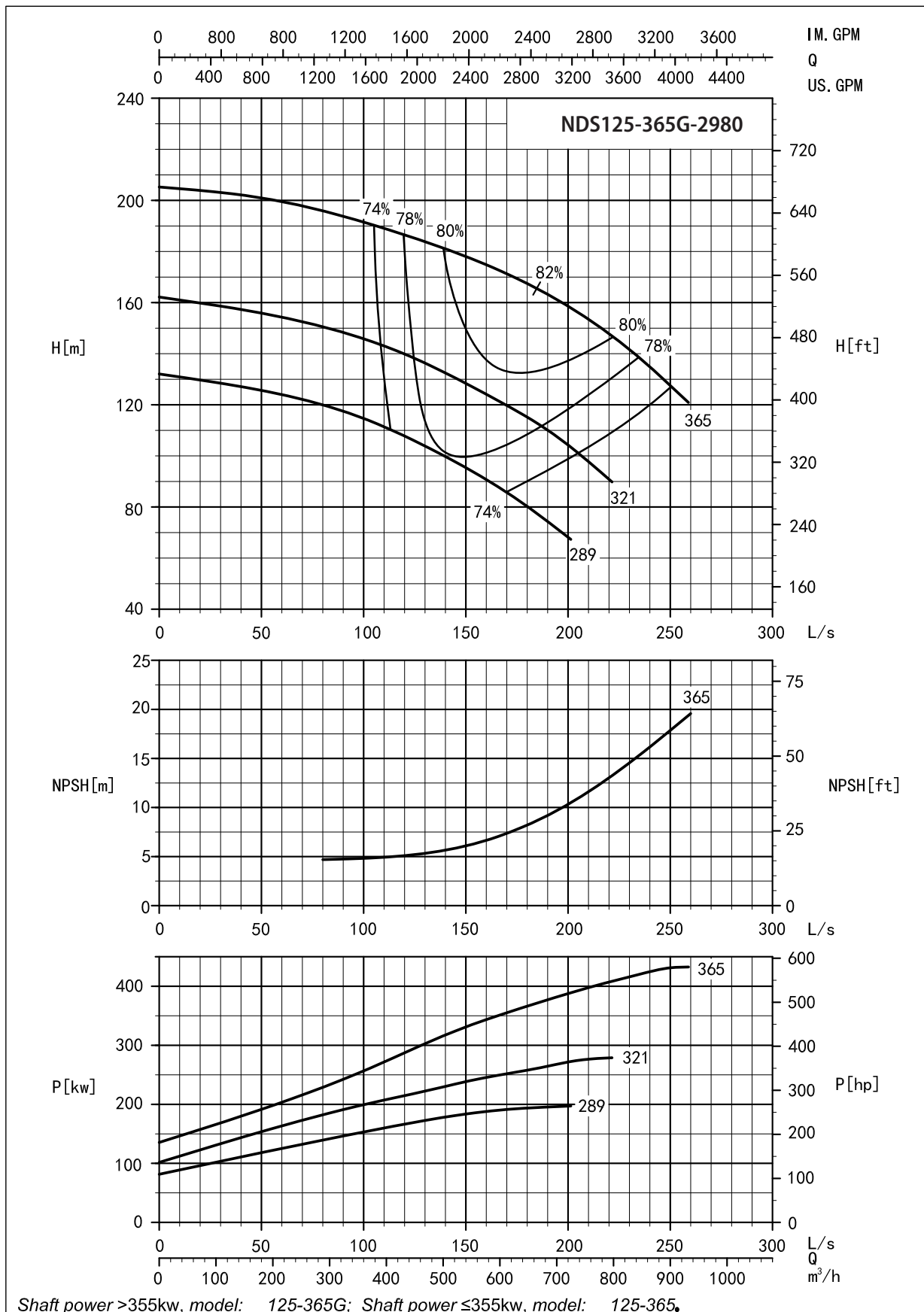
# Performance Curves

The performance curves apply to ISO9906 grade 2 for clean cold water only.



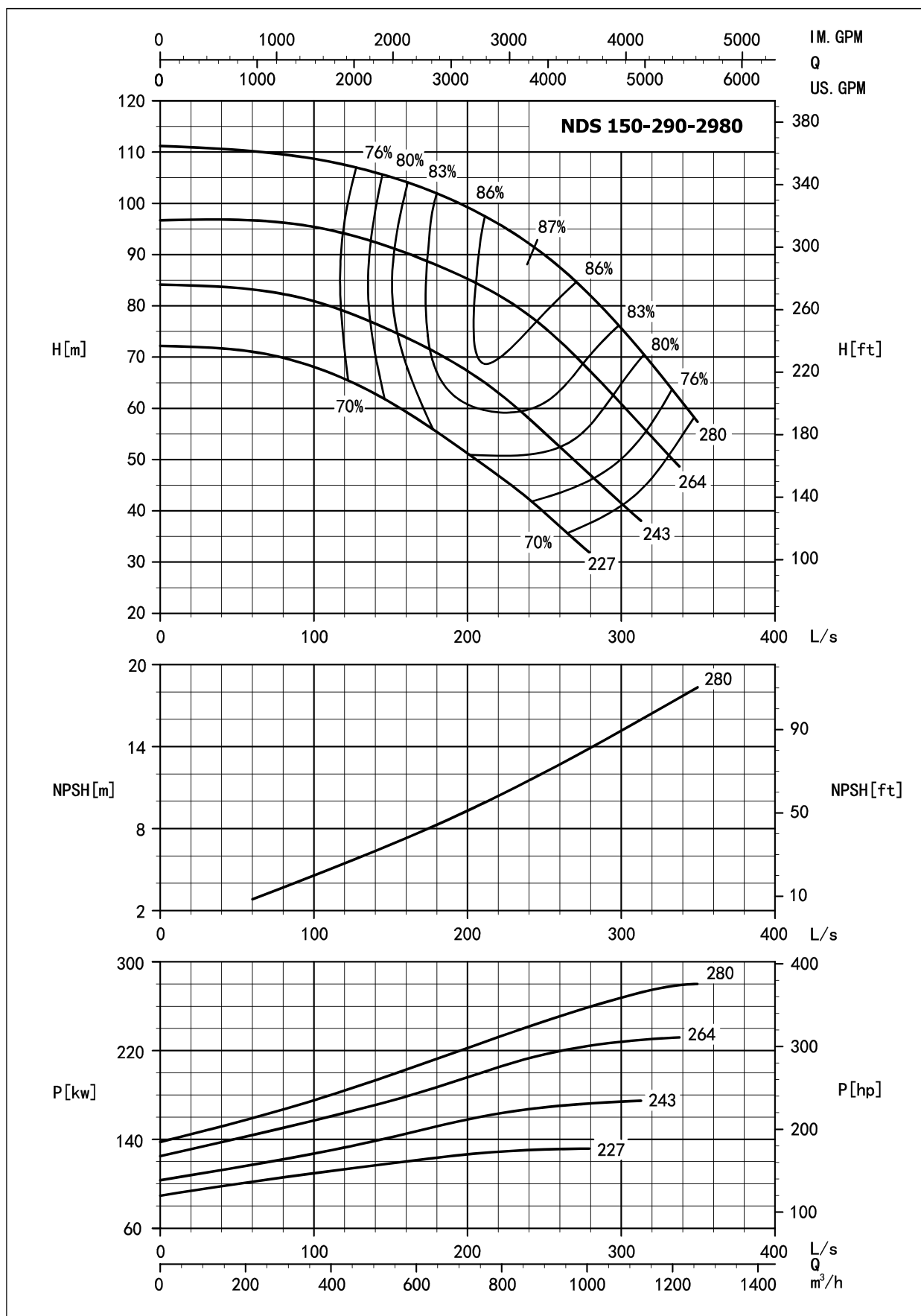
## Performance Curves

The performance curves apply to ISO9906 grade 2 for clean cold water only.



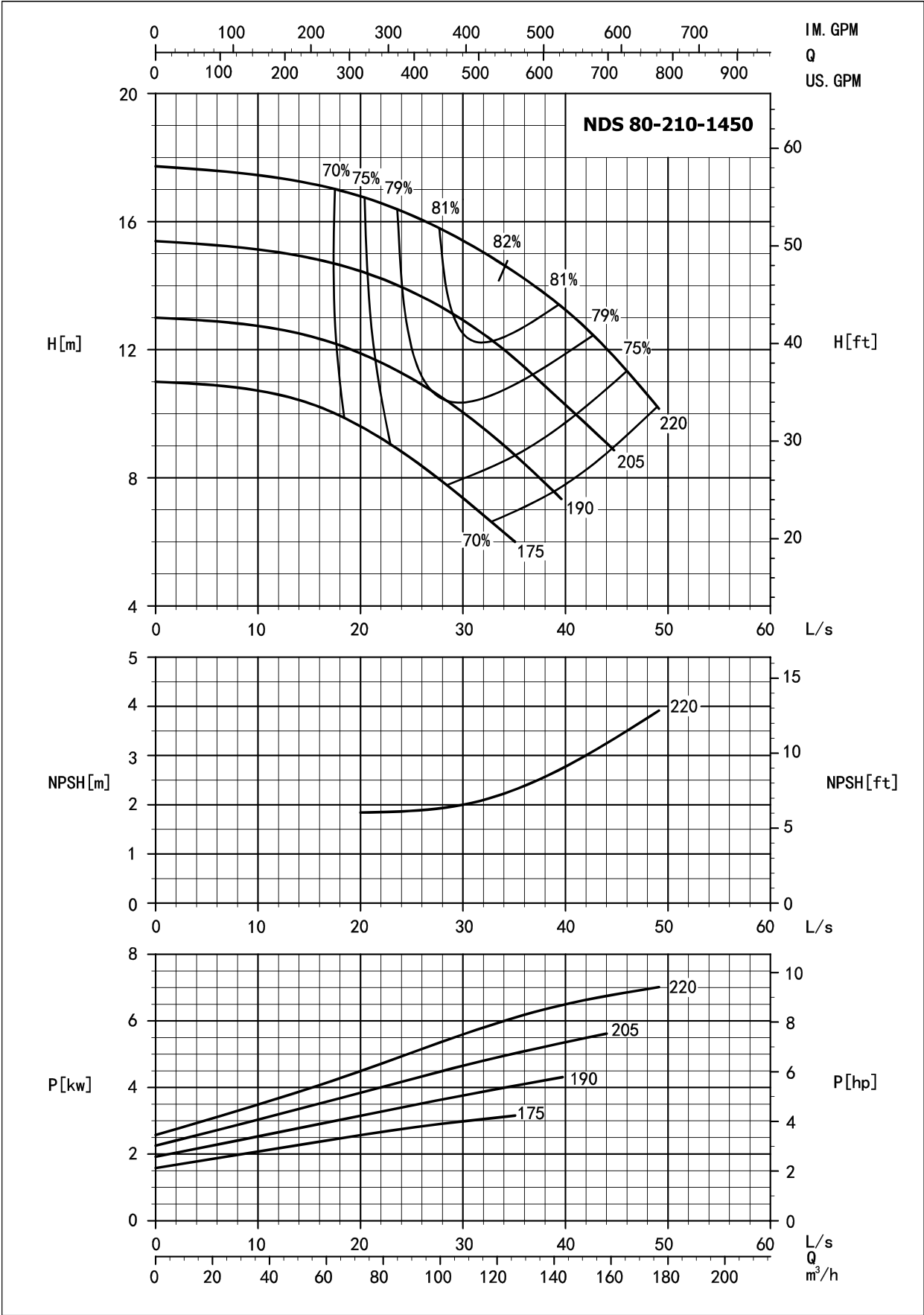
# Performance Curves

The performance curves apply to ISO9906 grade 2 for clean cold water only.



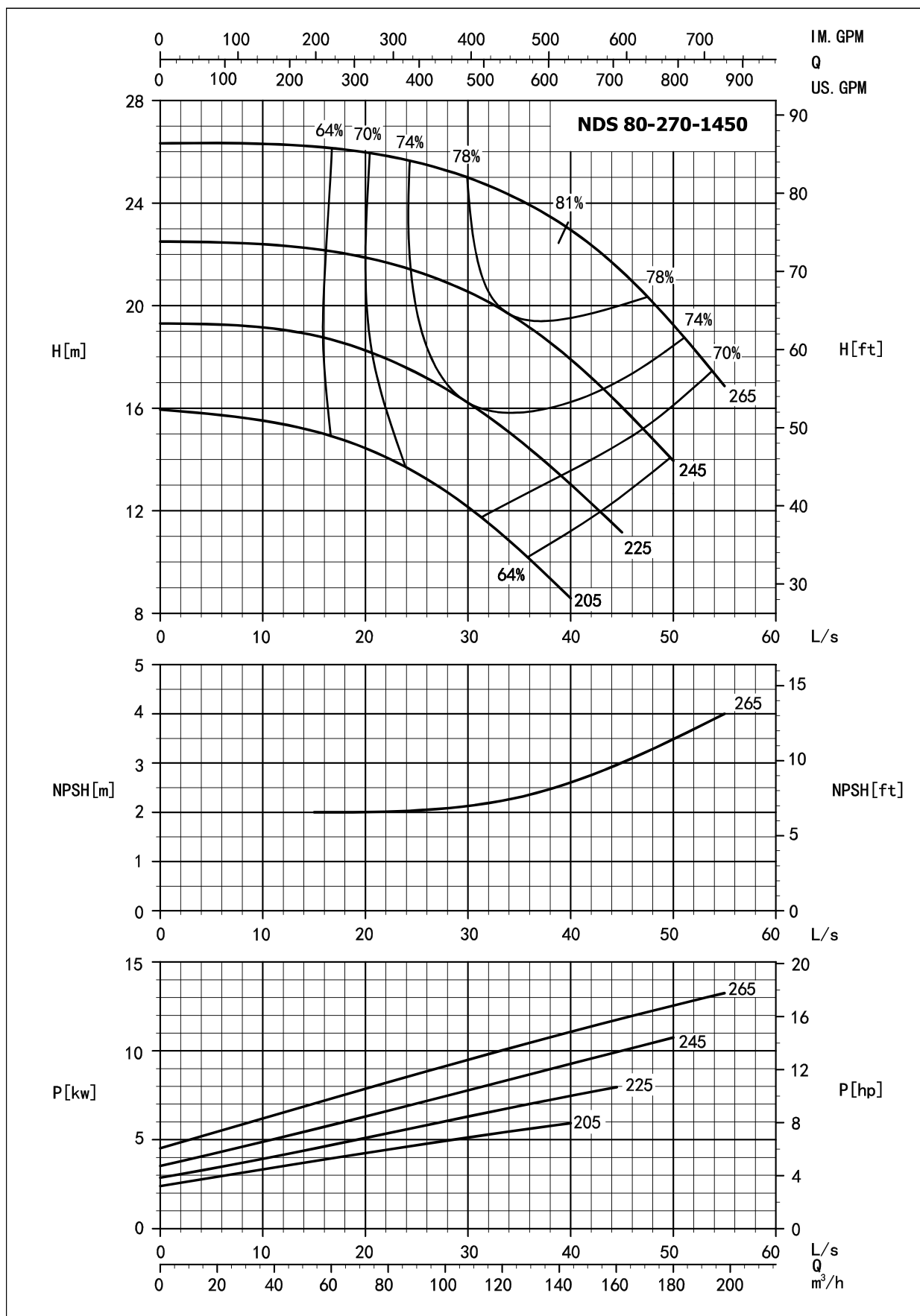
# Performance Curves

The performance curves applies to ISO9906 grade 2 for clean cold water only.



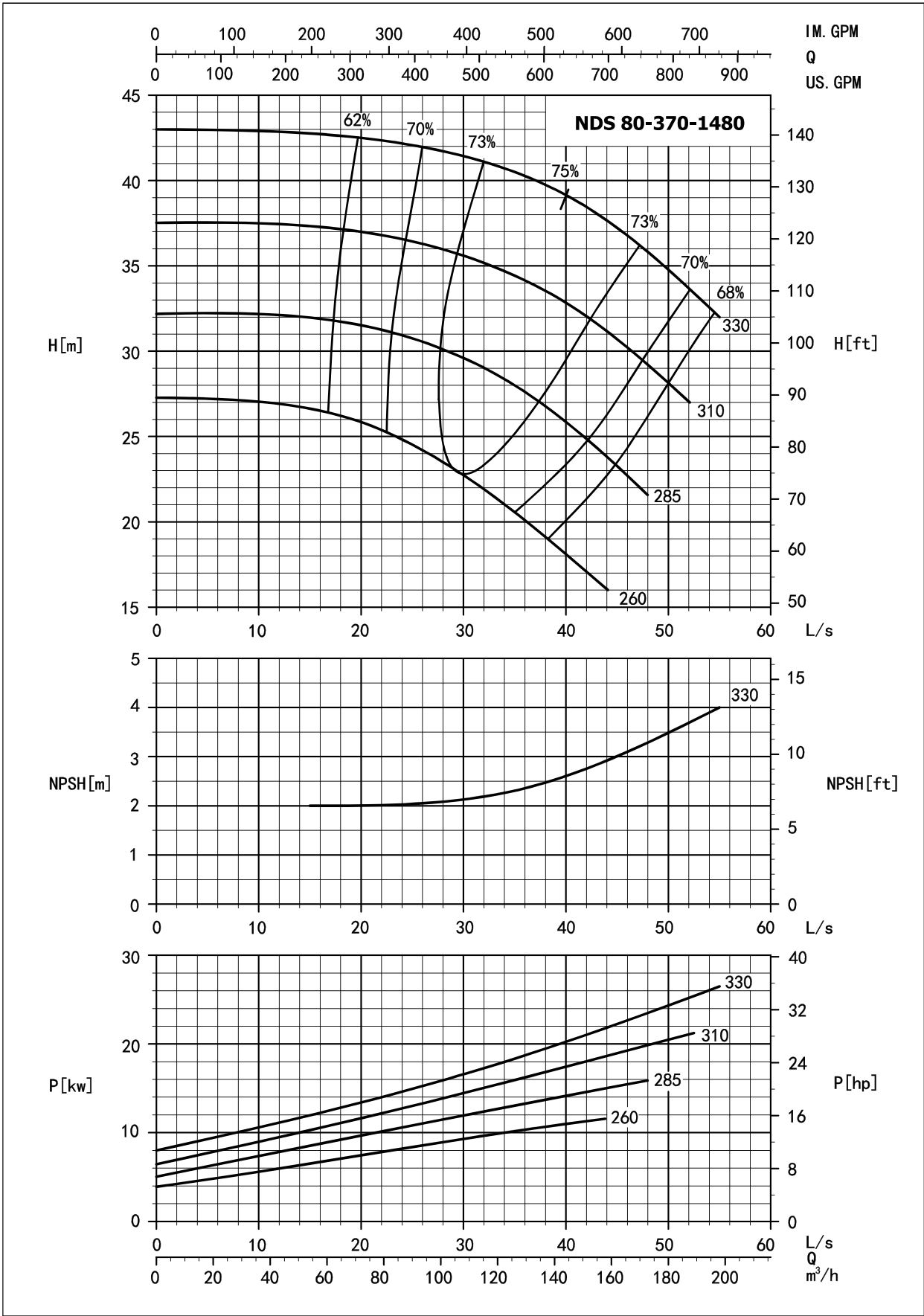
# Performance Curves

The performance curves apply to ISO9906 grade 2 for clean cold water only.



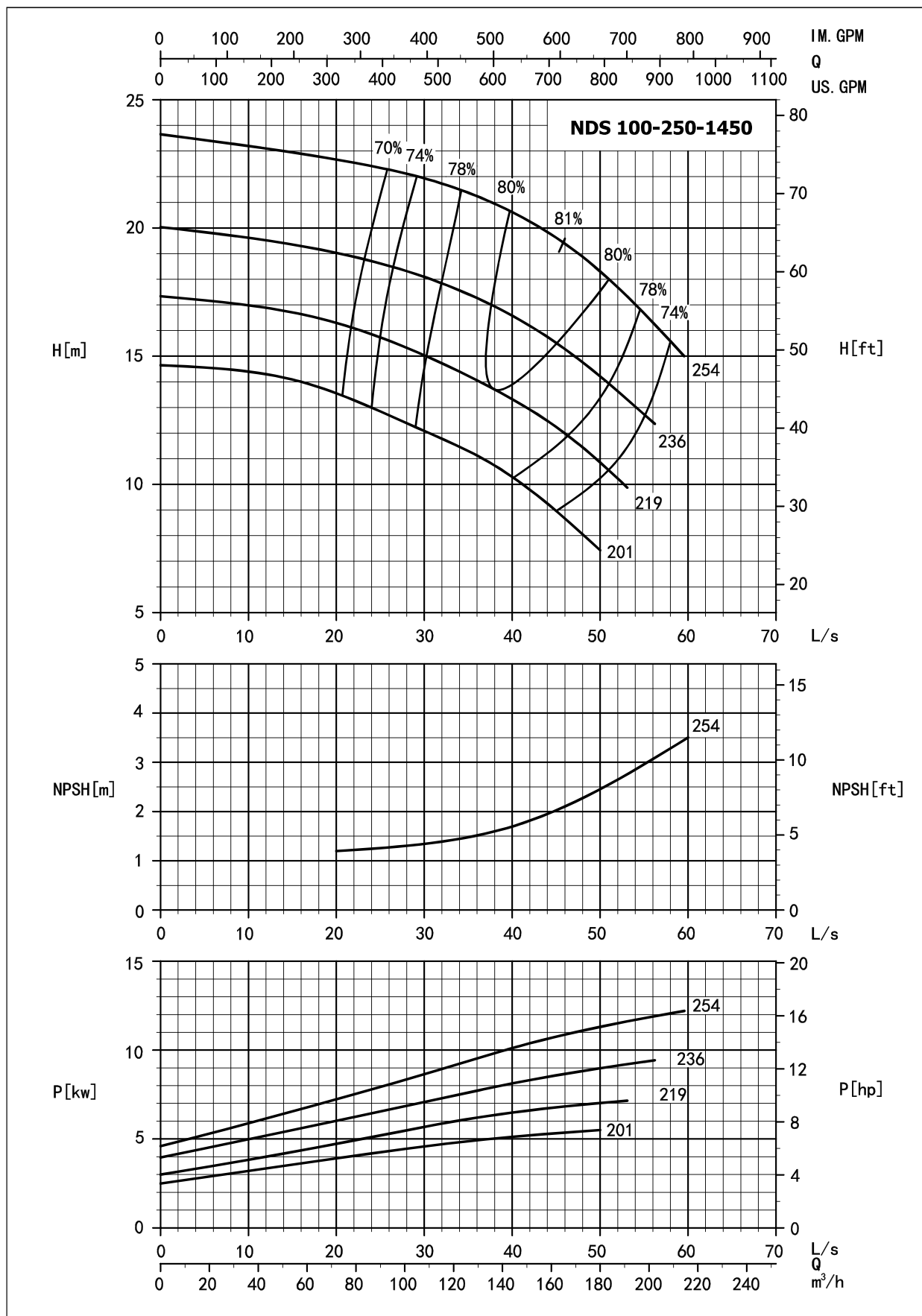
# Performance Curves

The performance curves applies to ISO9906 grade 2 for clean cold water only.



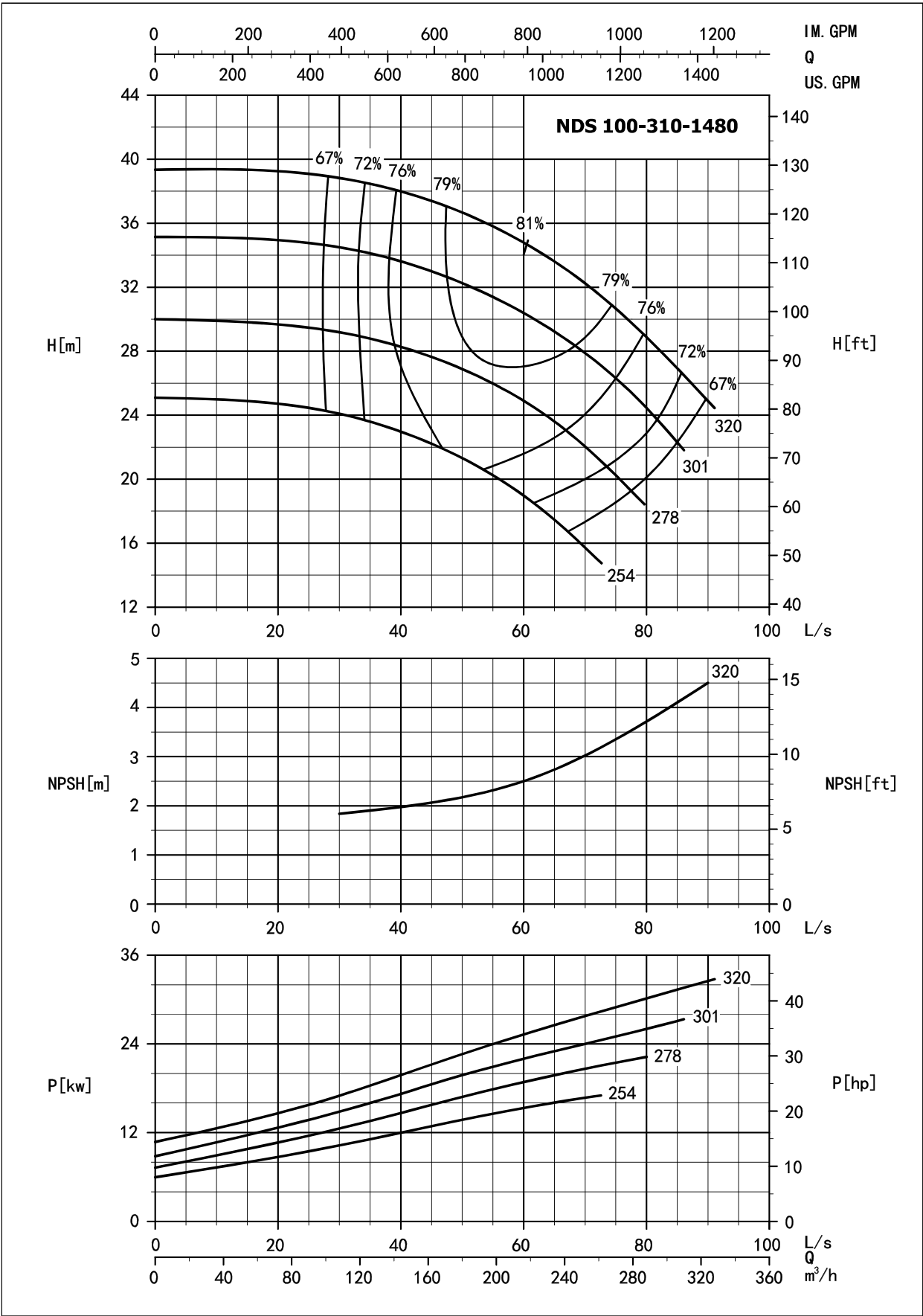
# Performance Curves

The performance curves apply to ISO9906 grade 2 for clean cold water only.



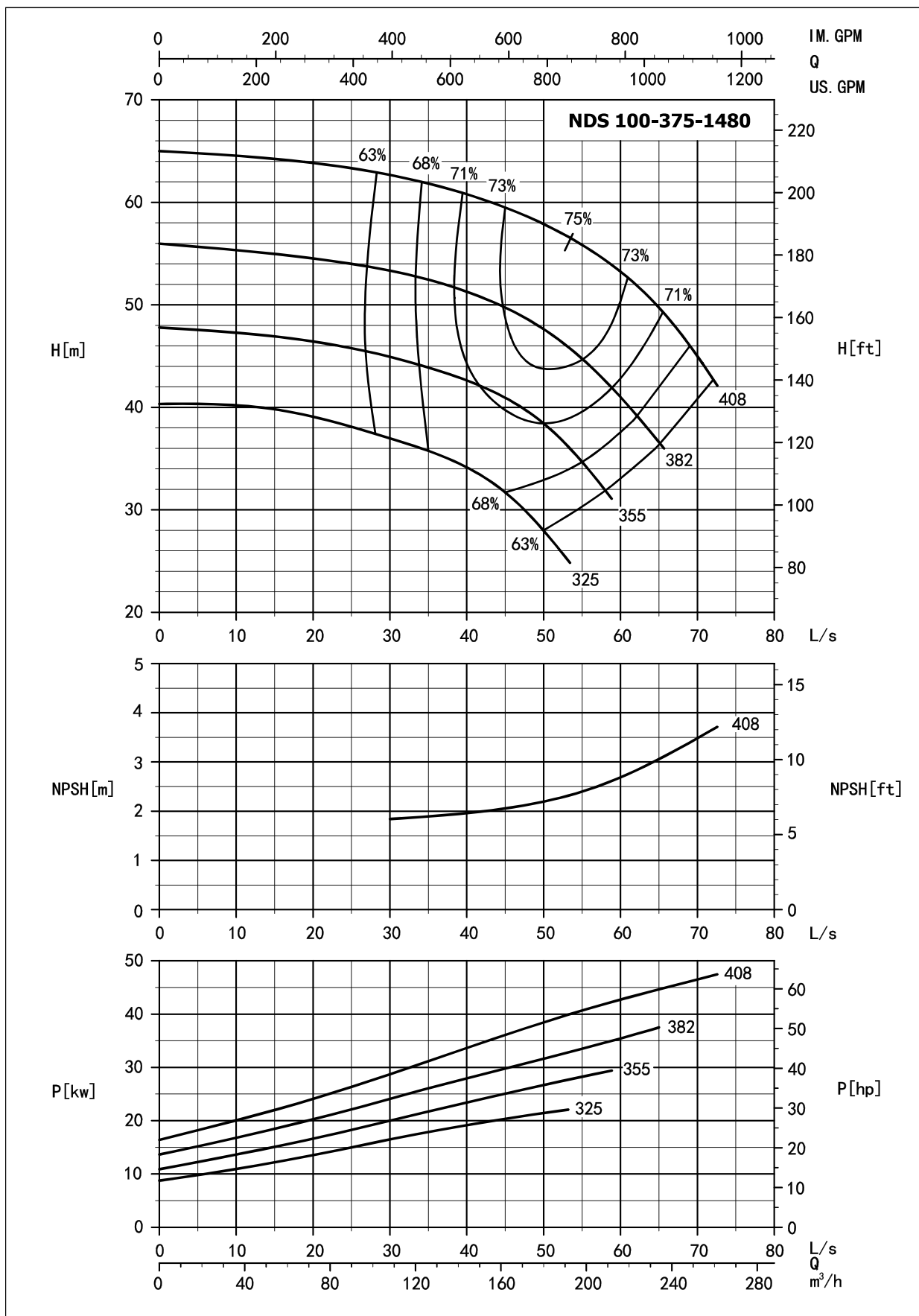
# Performance Curves

The performance curves applies to ISO9906 grade 2 for clean cold water only.



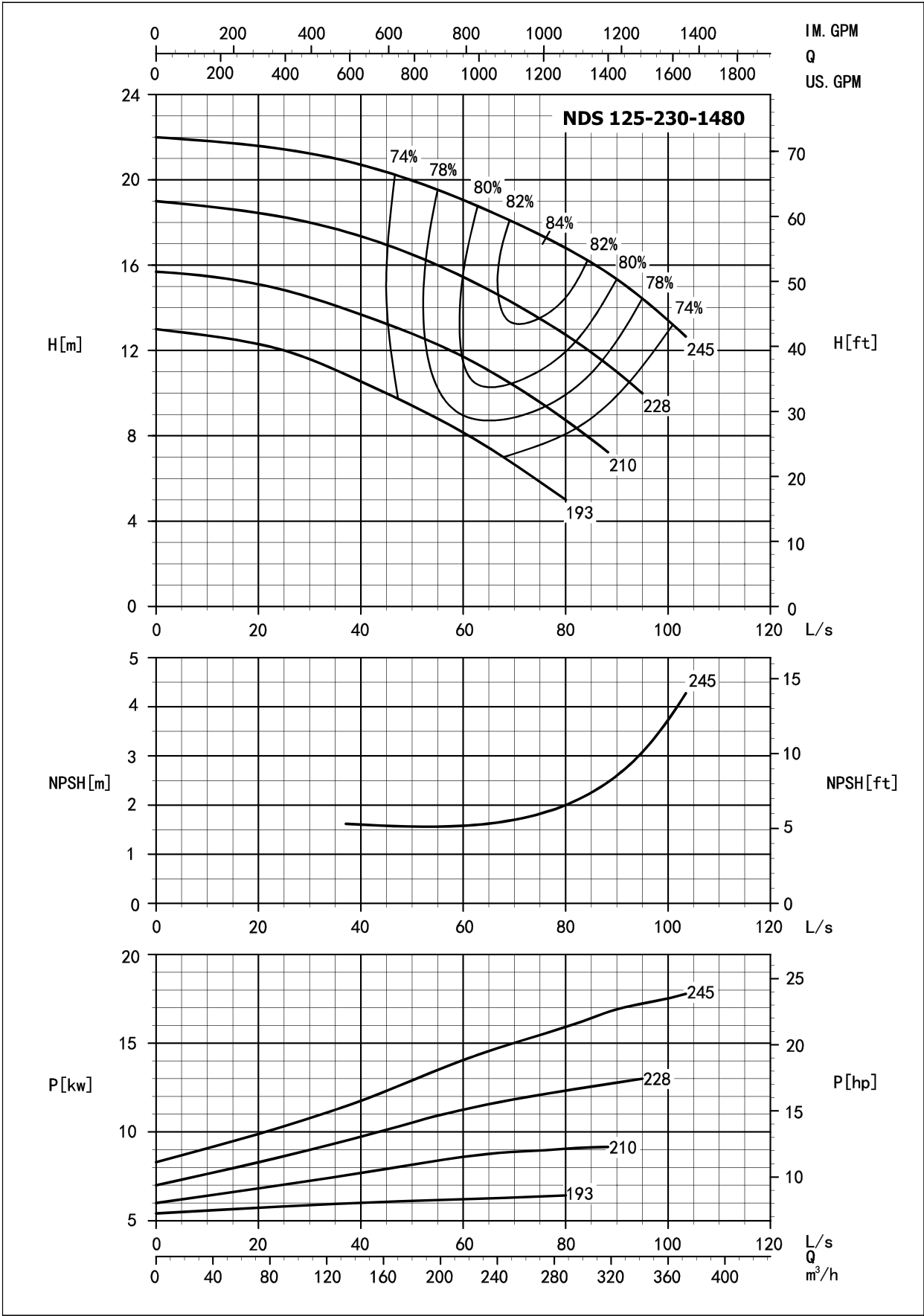
# Performance Curves

The performance curves apply to ISO9906 grade 2 for clean cold water only.



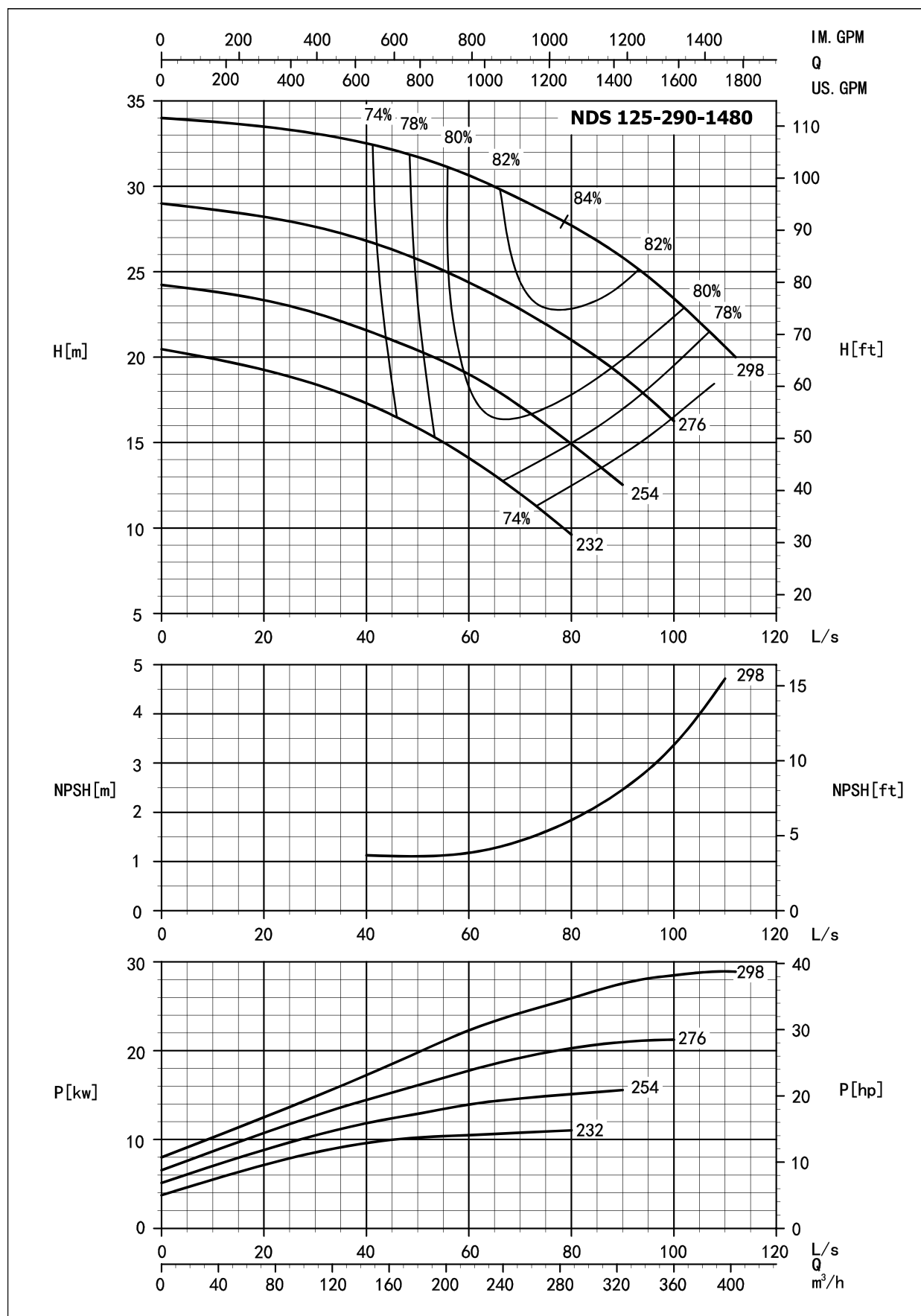
# Performance Curves

The performance curves applies to ISO9906 grade 2 for clean cold water only.



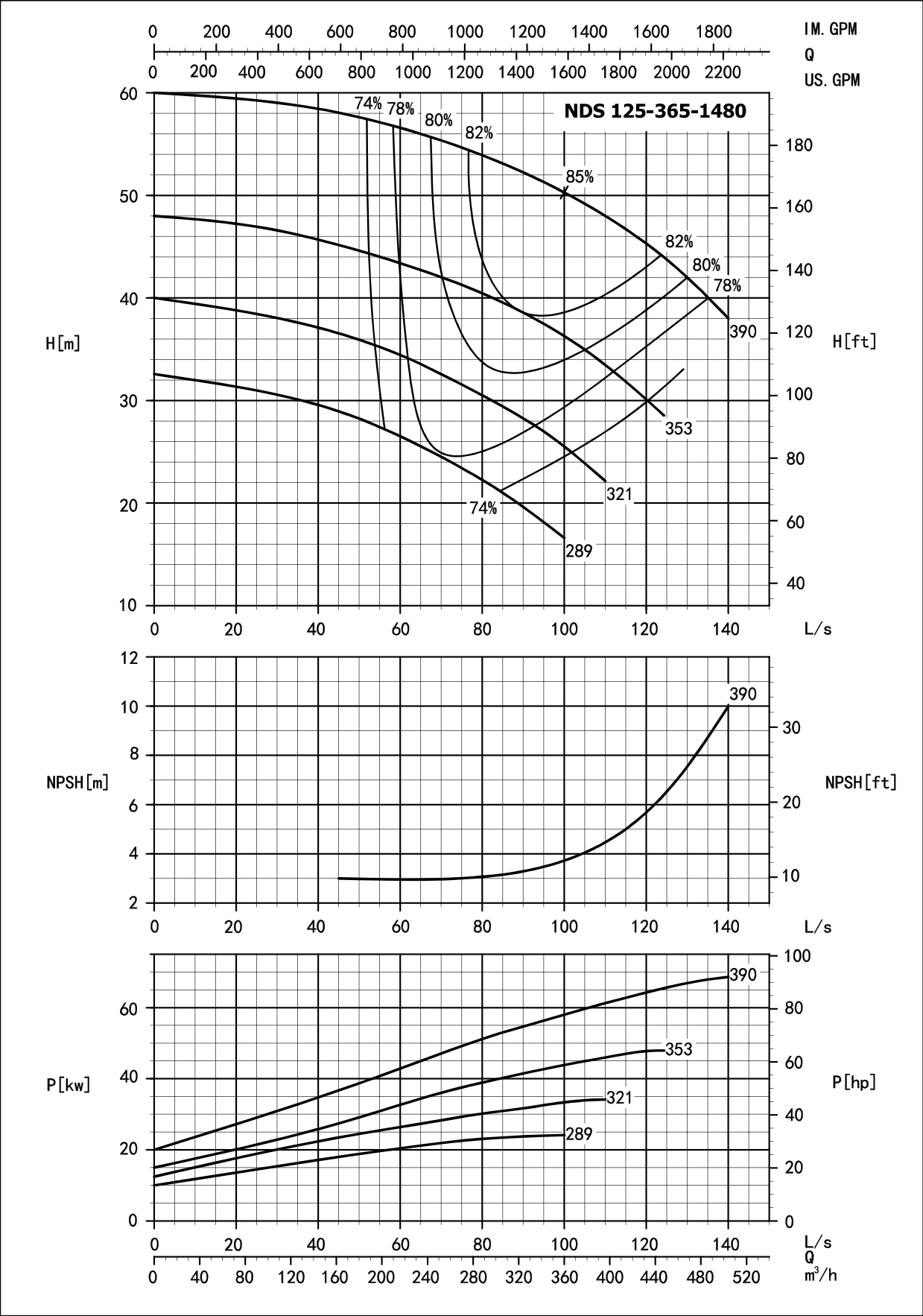
# Performance Curves

The performance curves applies to ISO9906 grade 2 for clean cold water only.



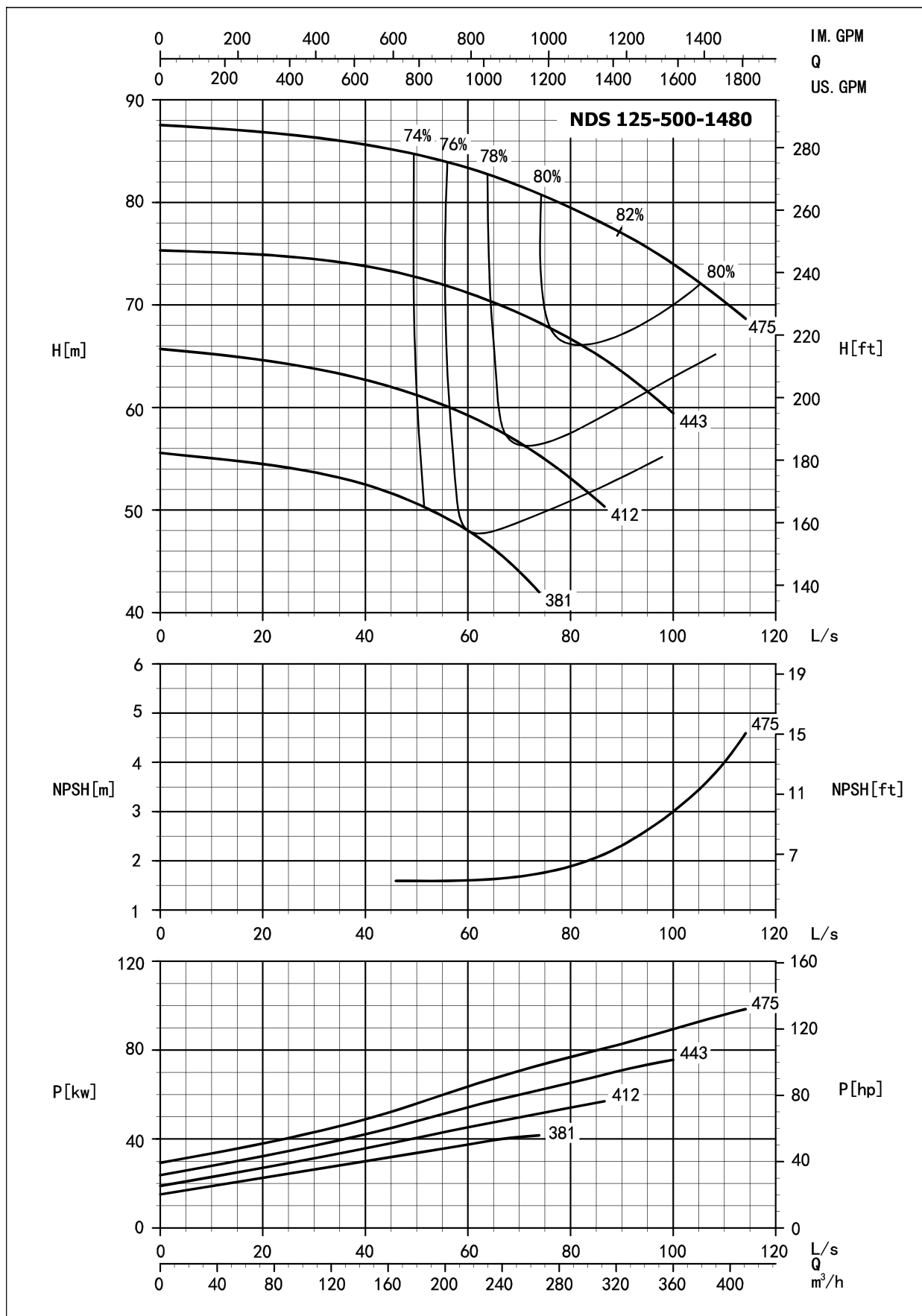
# Performance Curves

The performance curves applies to ISO9906 grade 2 for clean cold water only.



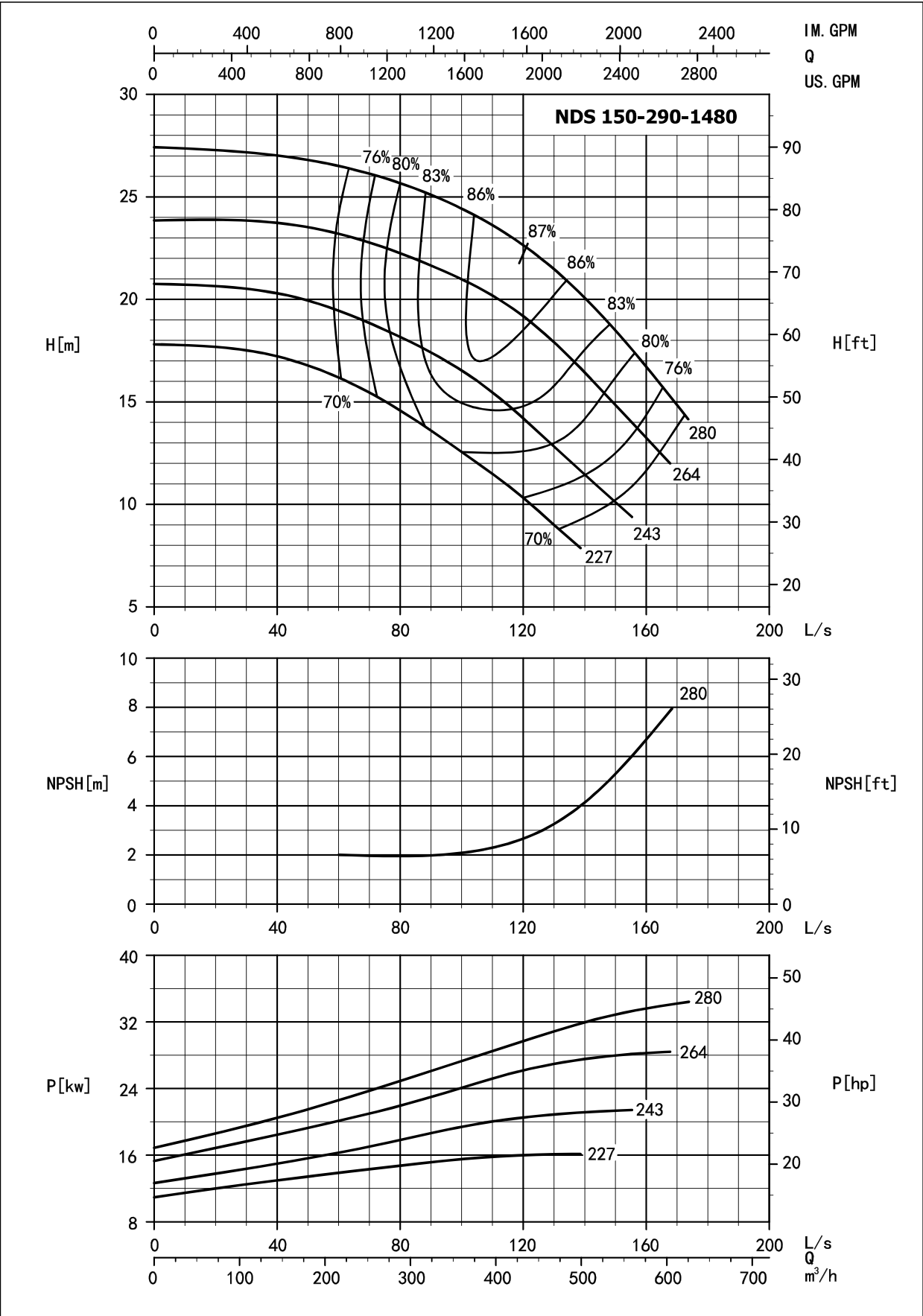
# Performance Curves

The performance curves apply to ISO9906 grade 2 for clean cold water only.



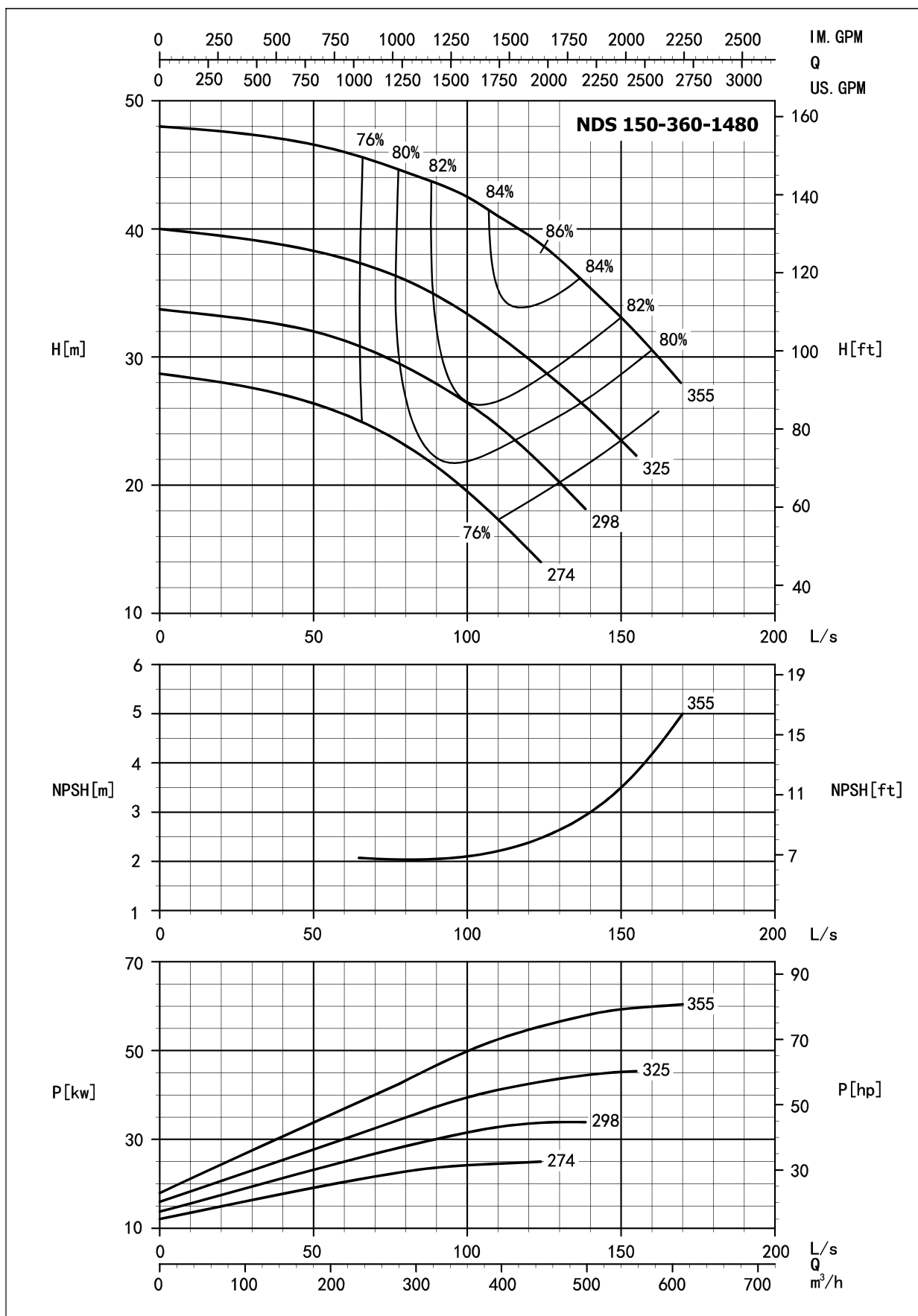
# Performance Curves

The performance curves applies to ISO9906 grade 2 for clean cold water only.



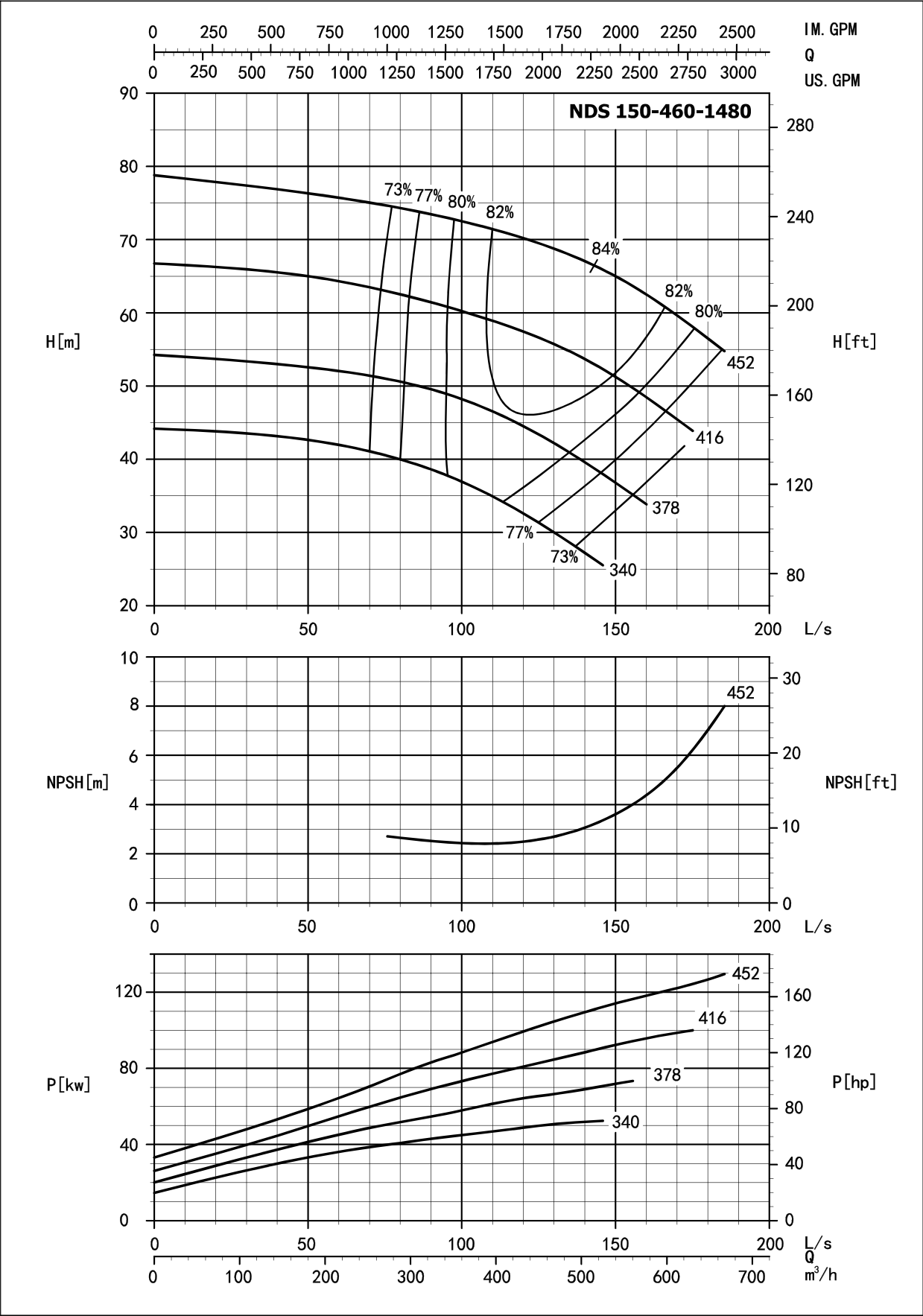
# Performance Curves

The performance curves apply to ISO9906 grade 2 for clean cold water only.



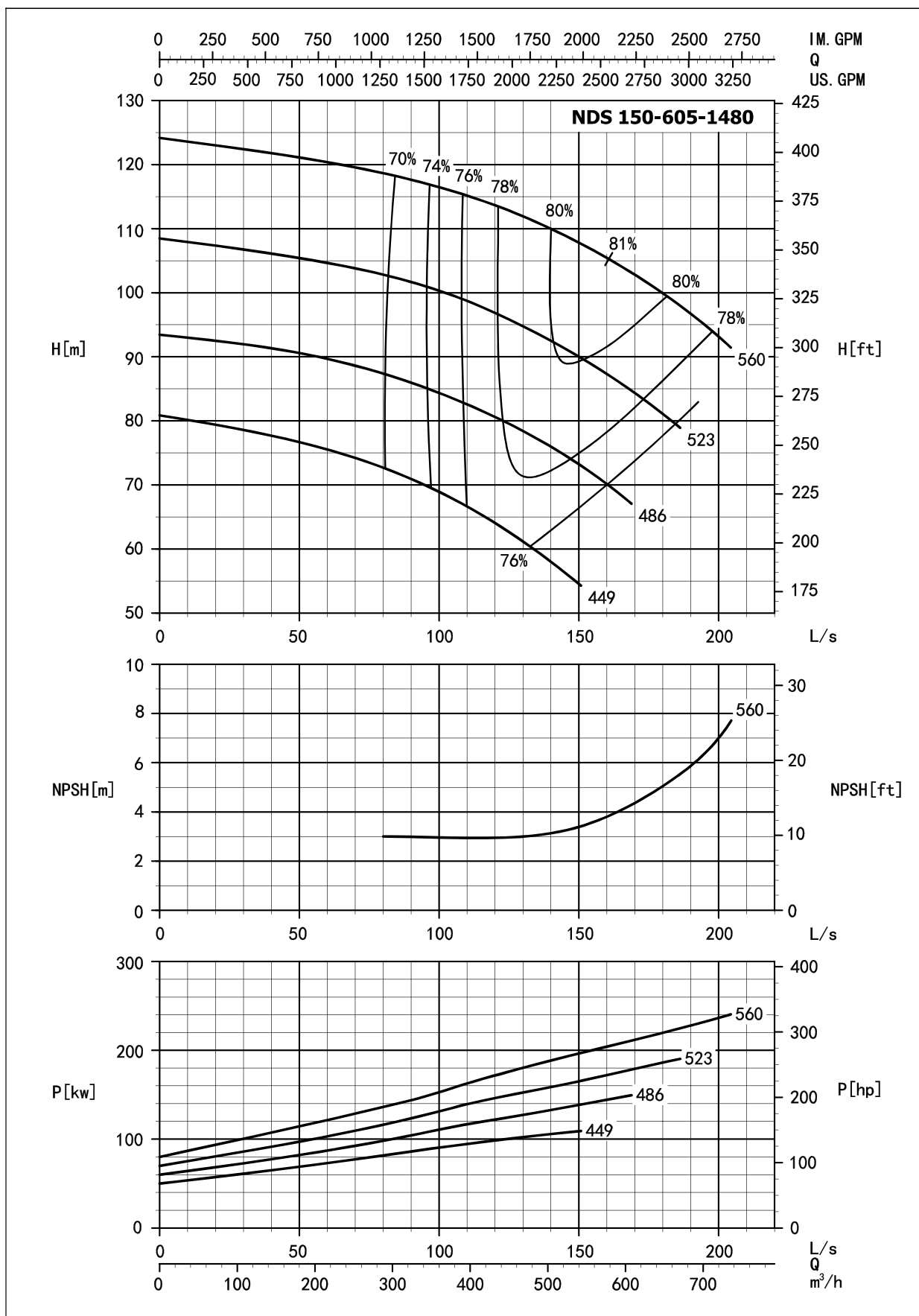
# Performance Curves

The performance curves applies to ISO9906 grade 2 for clean cold water only.



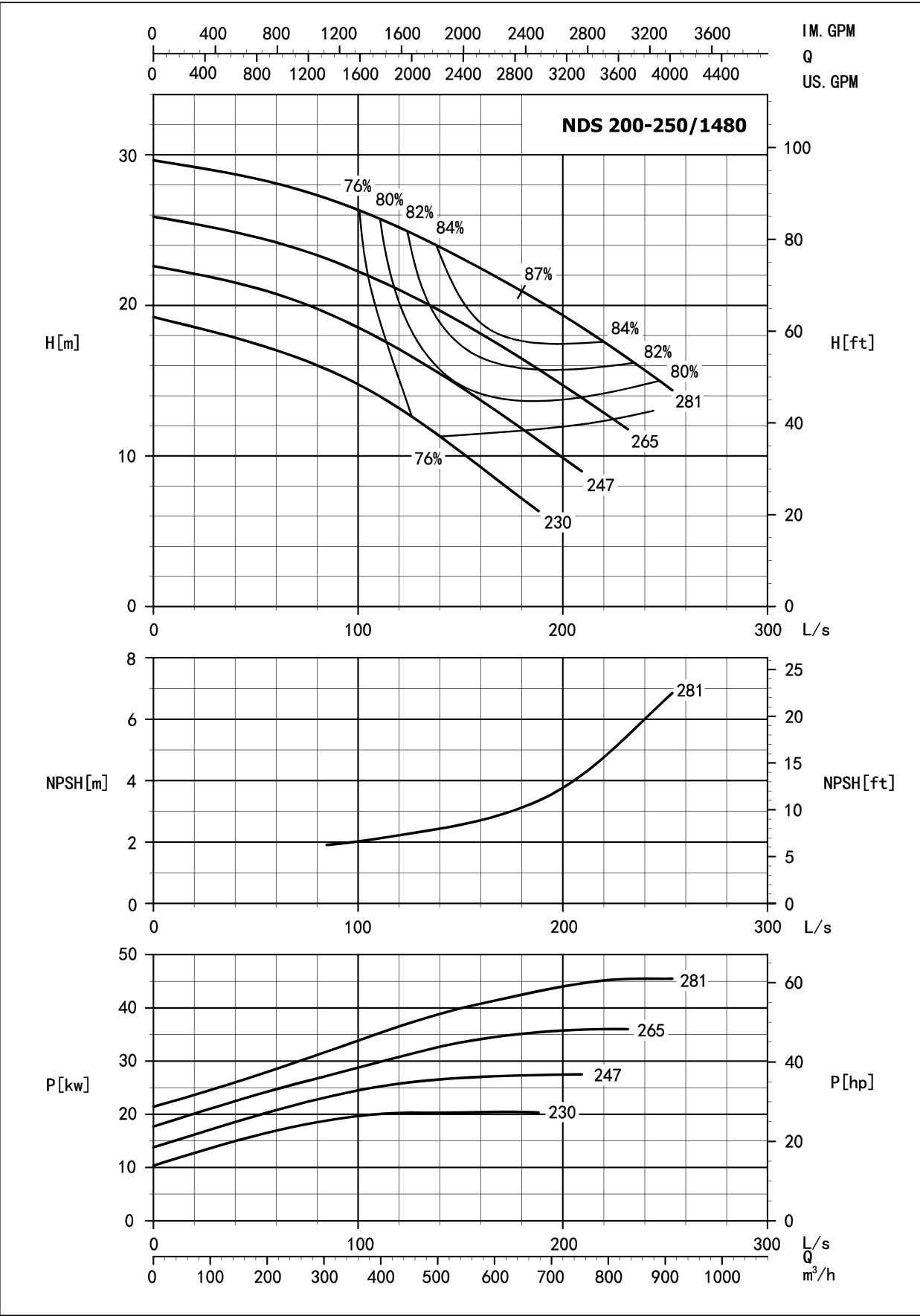
# Performance Curves

The performance curves applies to ISO9906 grade 2 for clean cold water only.



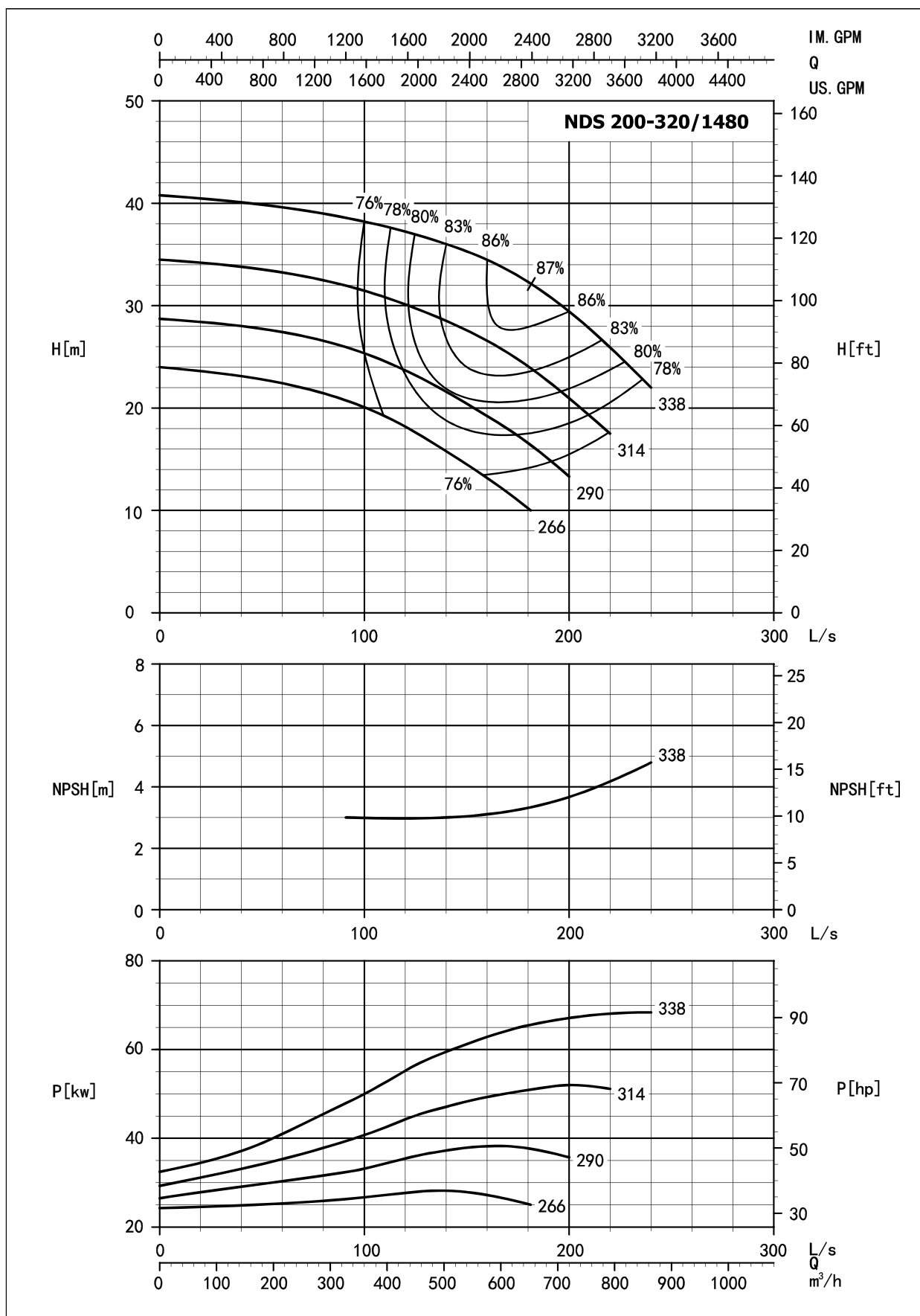
# Performance Curves

The performance curves applies to ISO9906 grade 2 for clean cold water only.



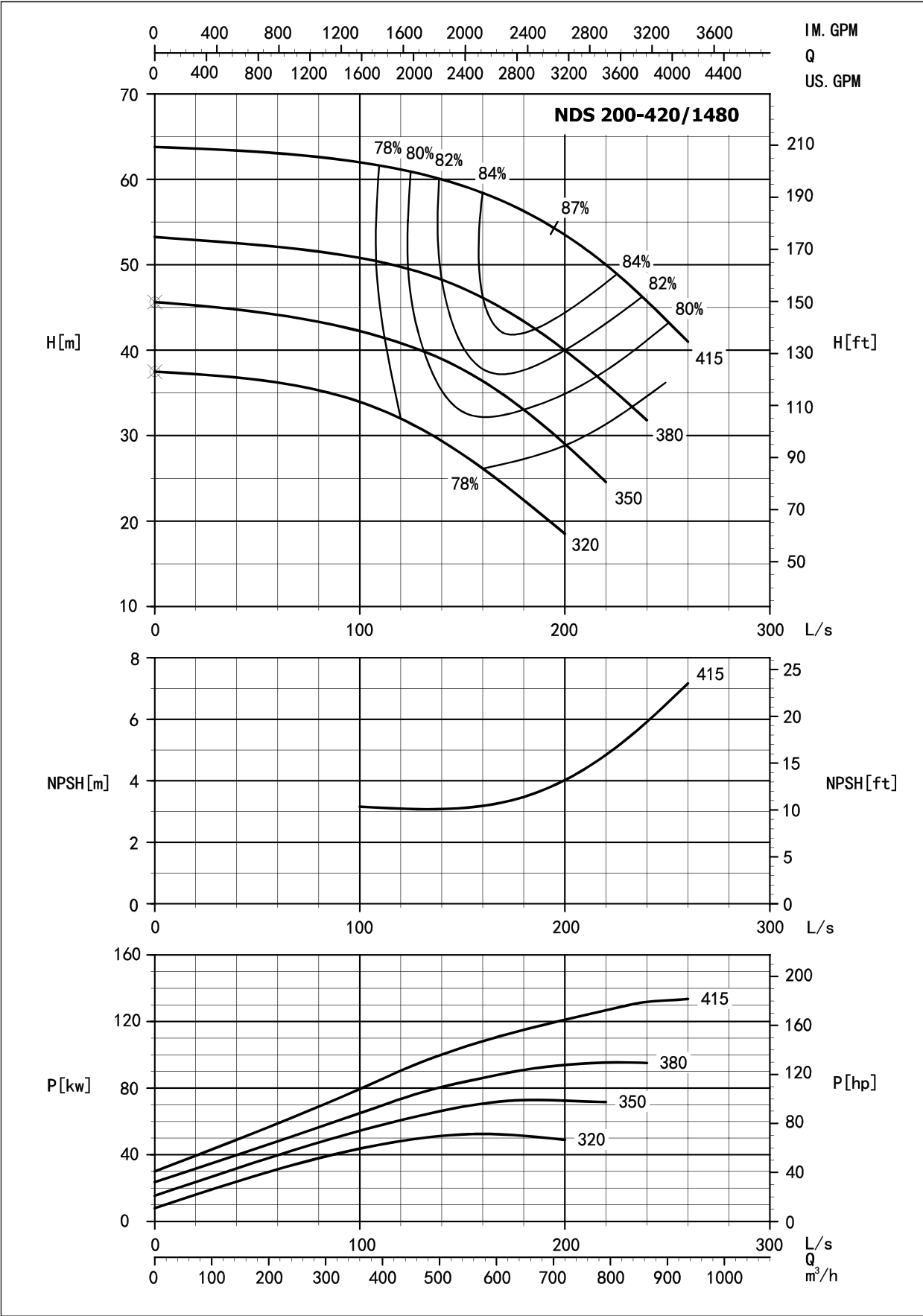
# Performance Curves

The performance curves apply to ISO9906 grade 2 for clean cold water only.



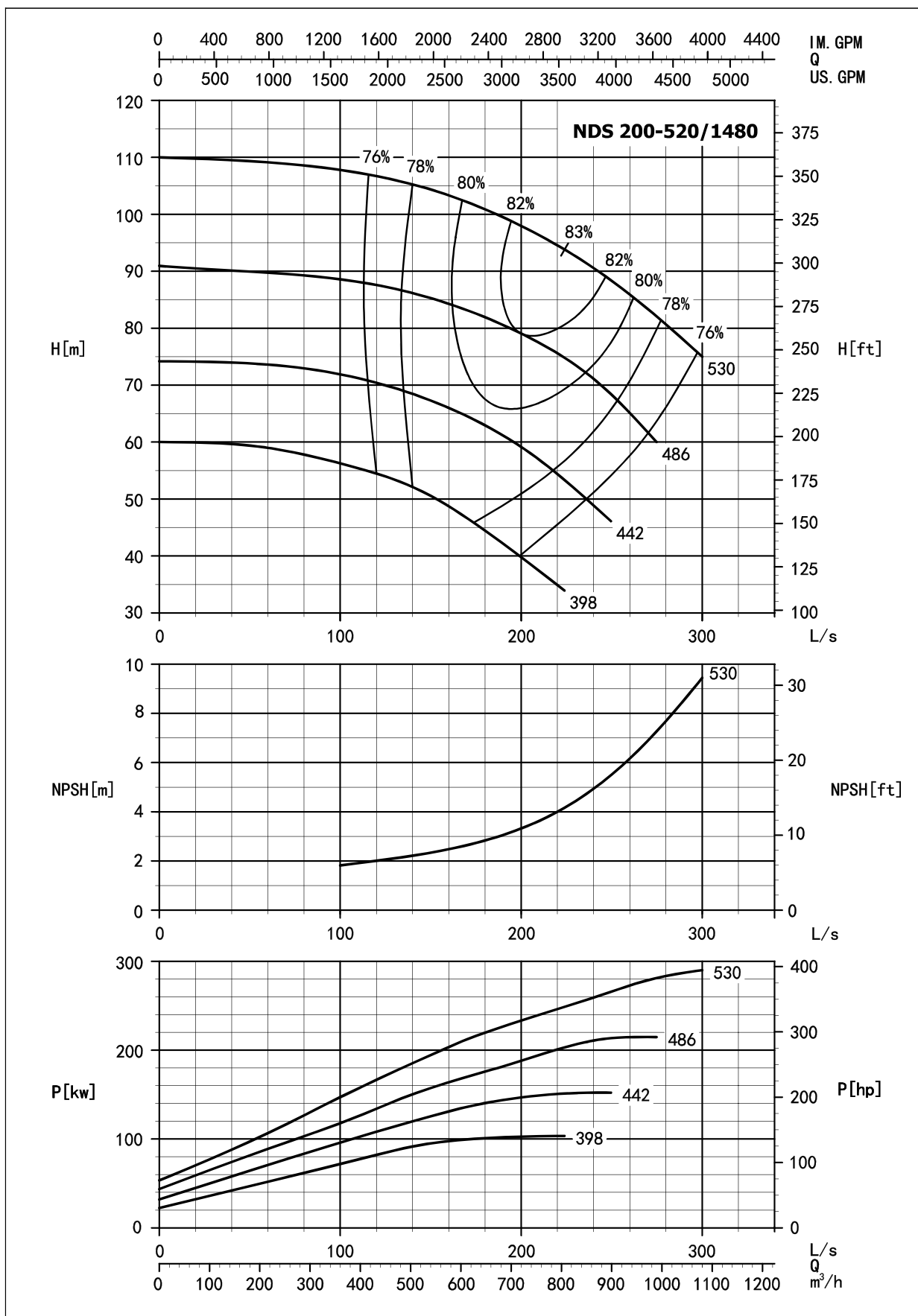
# Performance Curves

The performance curves applies to ISO9906 grade 2 for clean cold water only.



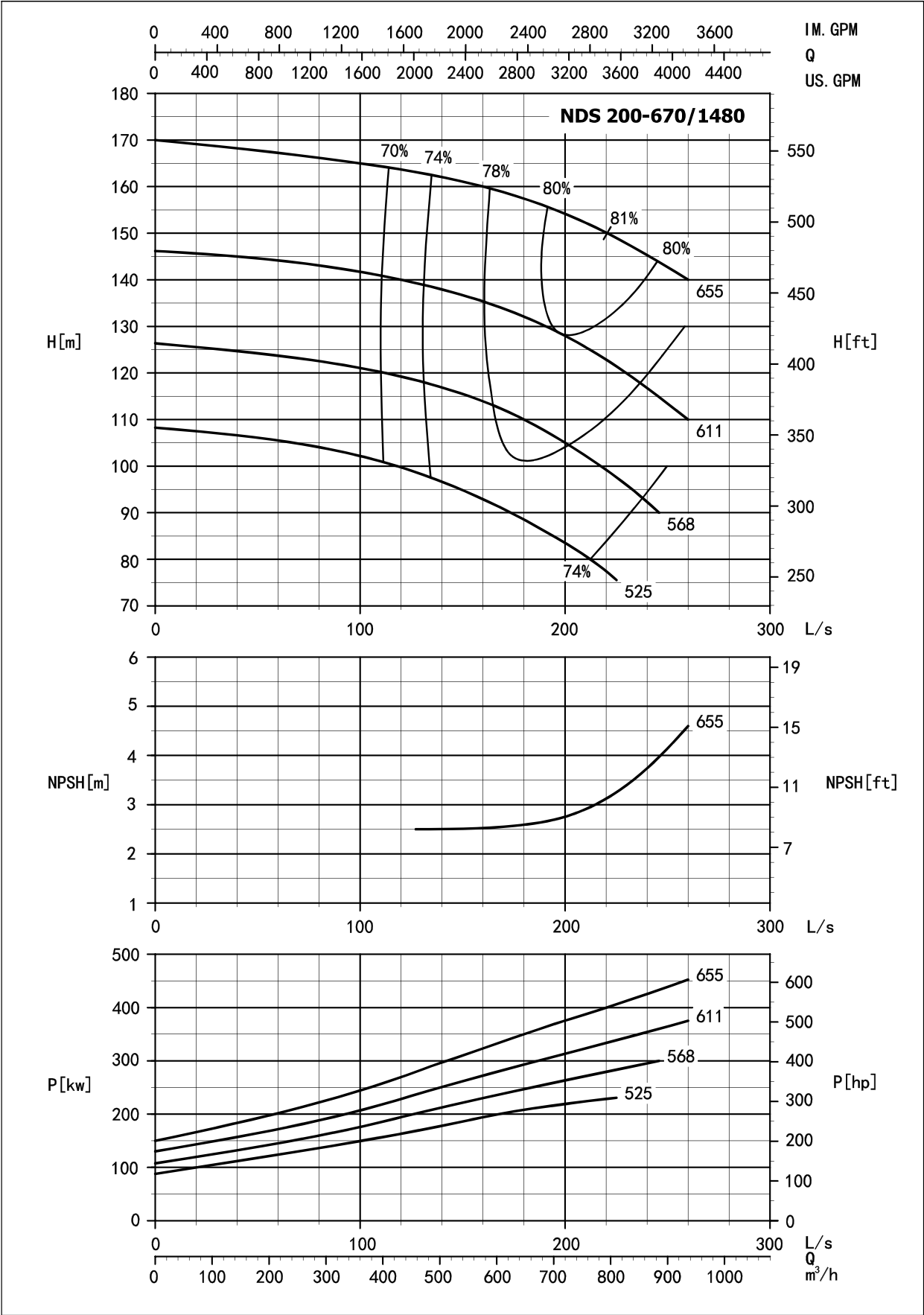
# Performance Curves

The performance curves applies to ISO9906 grade 2 for clean cold water only.



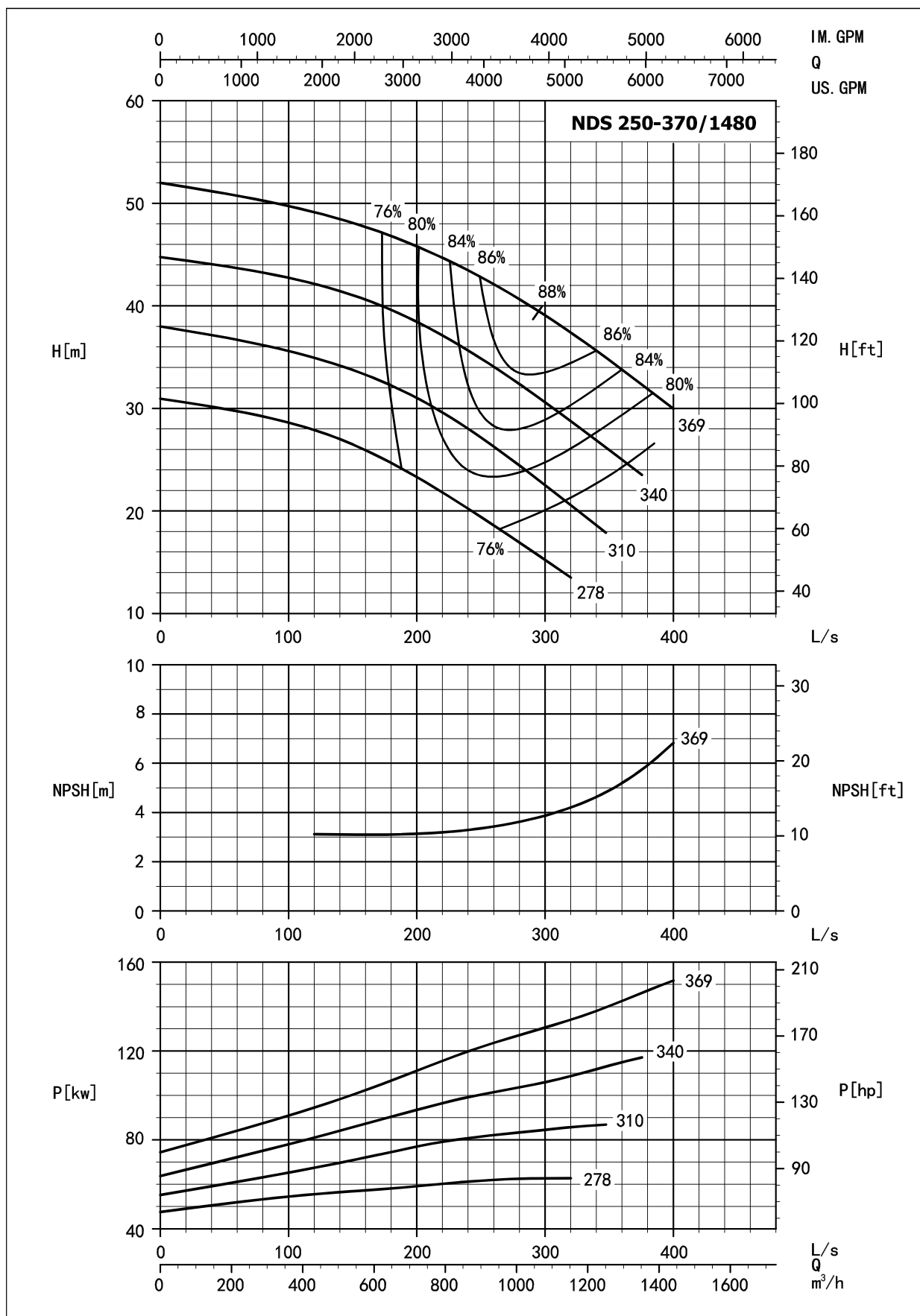
# Performance Curves

The performance curves applies to ISO9906 grade 2 for clean cold water only.



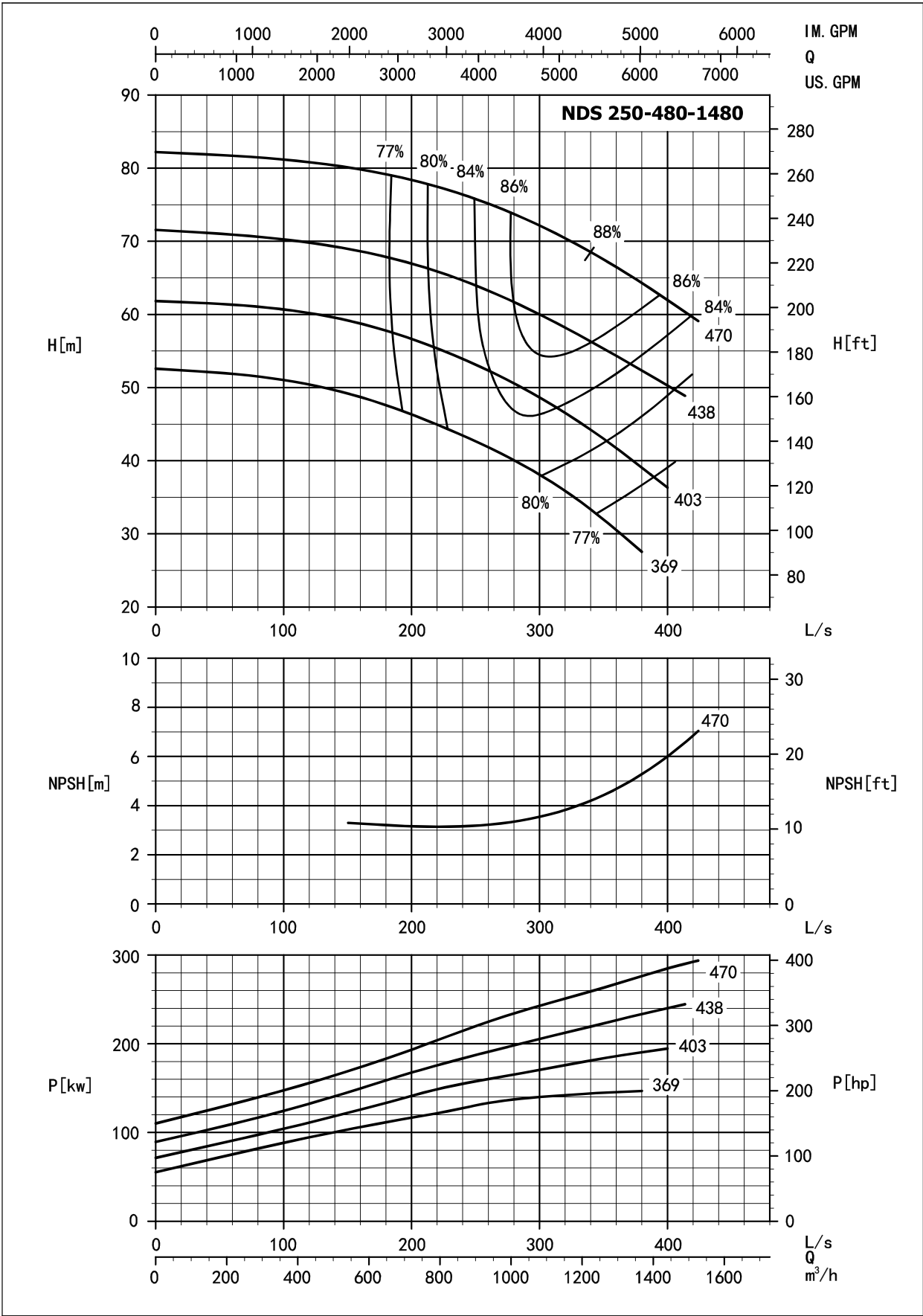
# Performance Curves

The performance curves apply to ISO9906 grade 2 for clean cold water only.



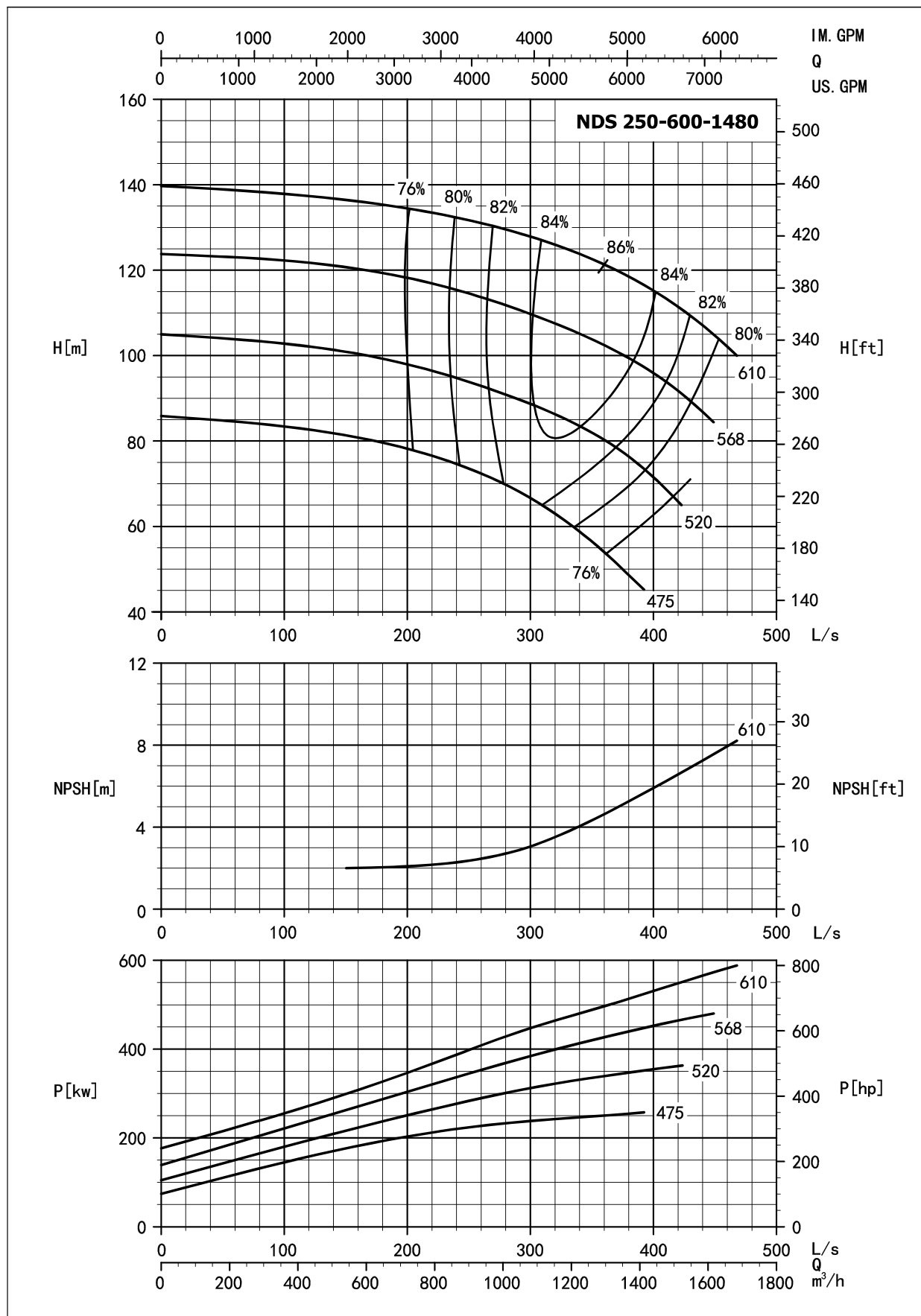
# Performance Curves

The performance curves applies to ISO9906 grade 2 for clean cold water only.



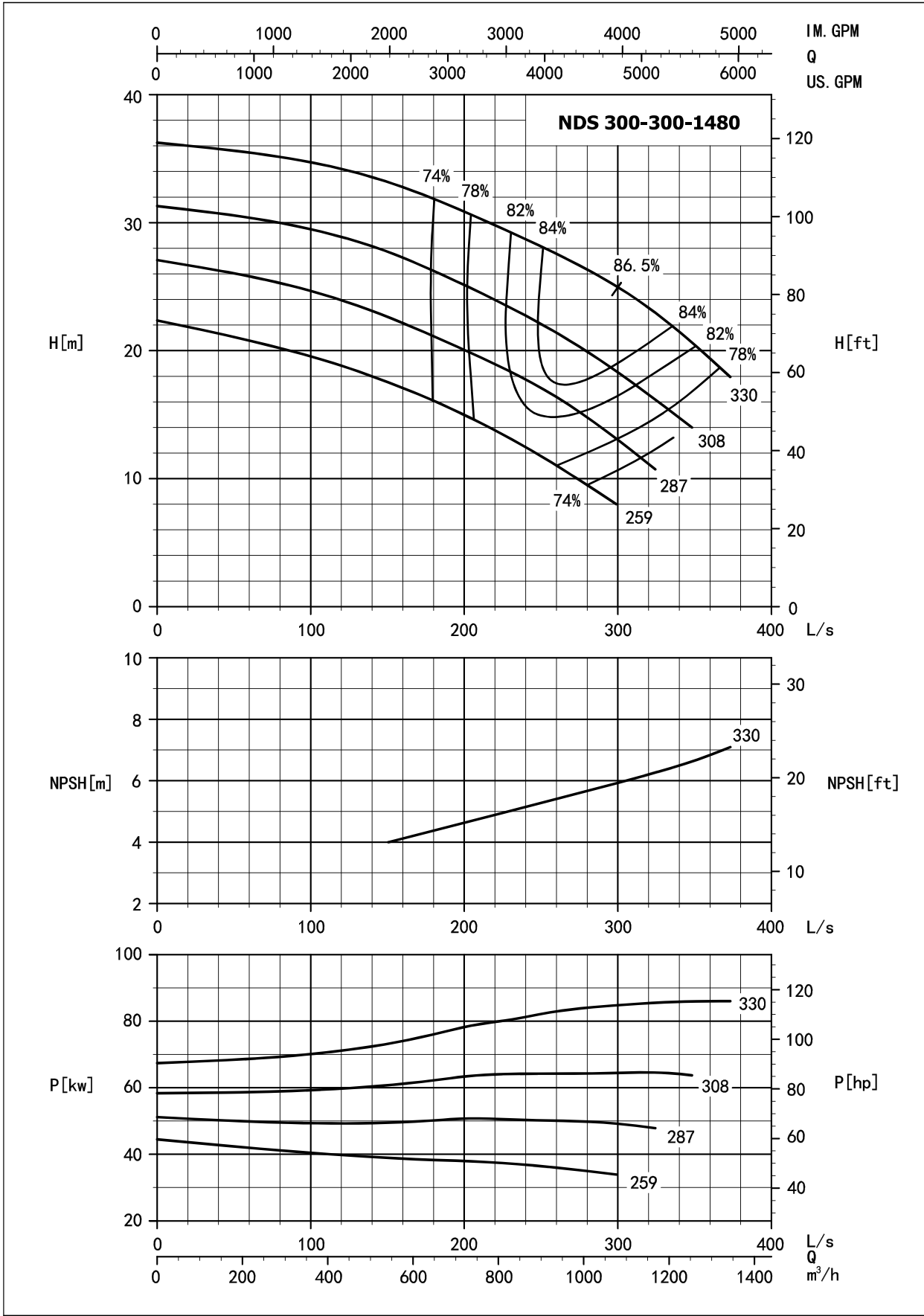
# Performance Curves

The performance curves apply to ISO9906 grade 2 for clean cold water only.



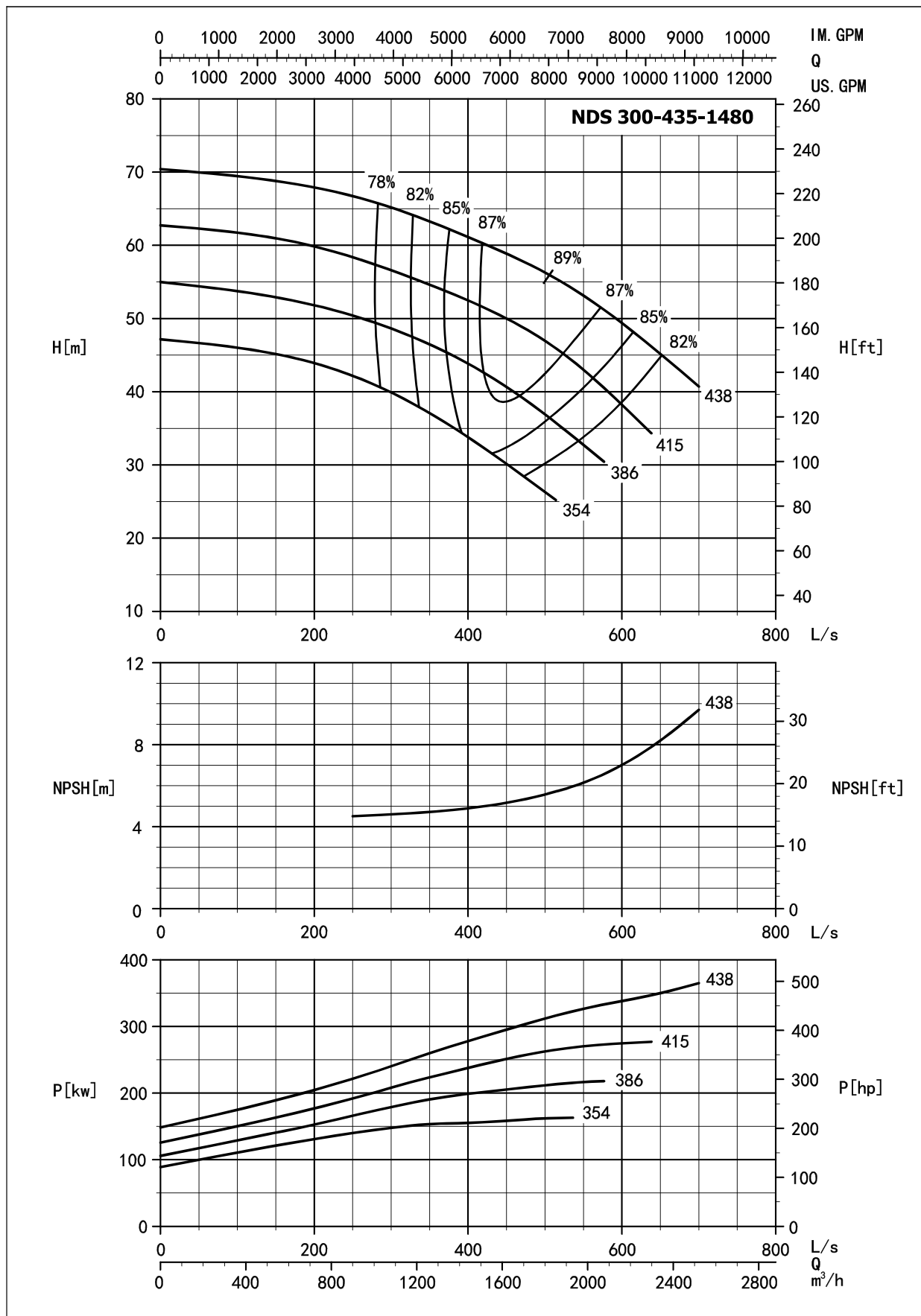
# Performance Curves

The performance curves applies to ISO9906 grade 2 for clean cold water only.



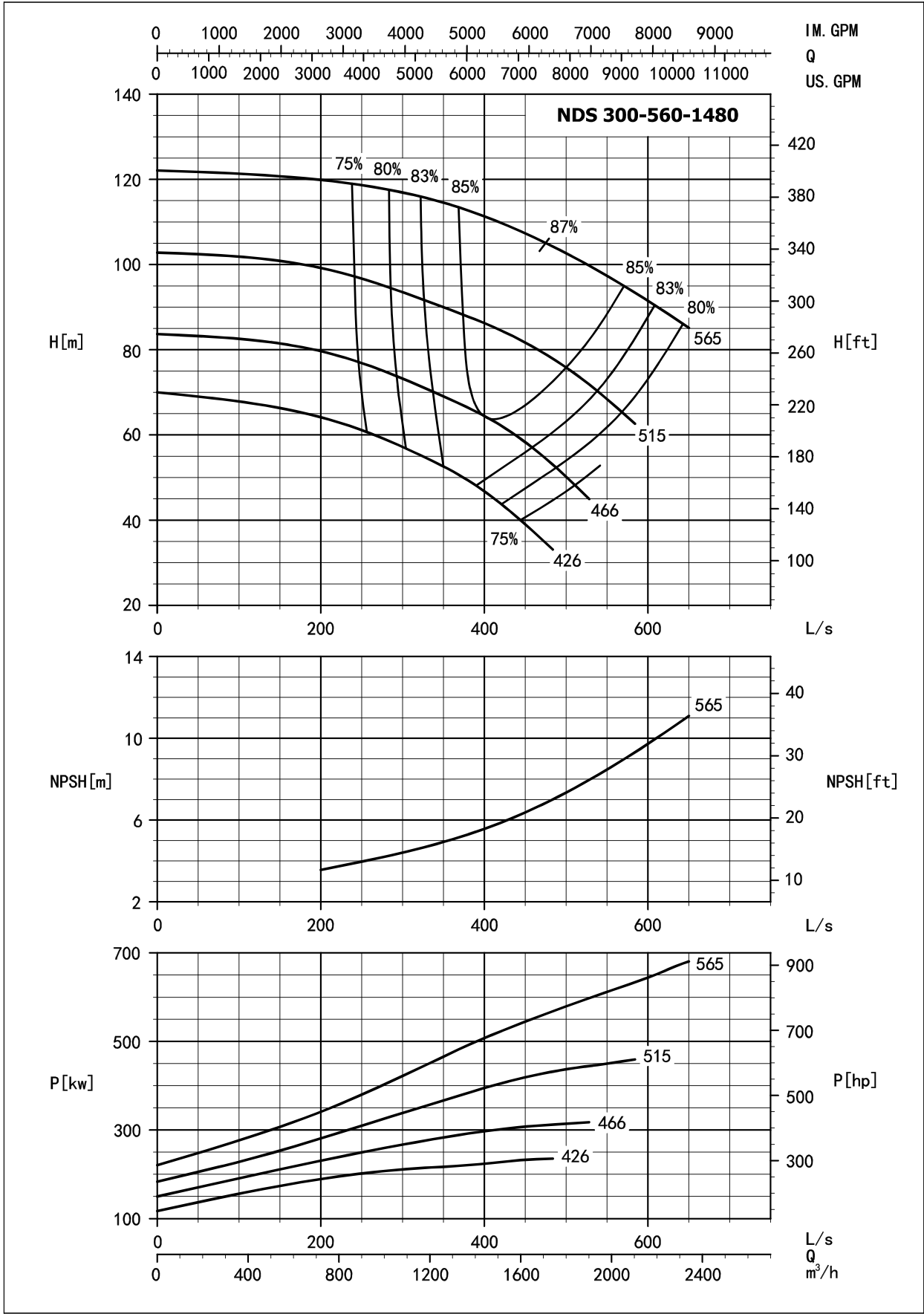
# Performance Curves

The performance curves apply to ISO9906 grade 2 for clean cold water only.



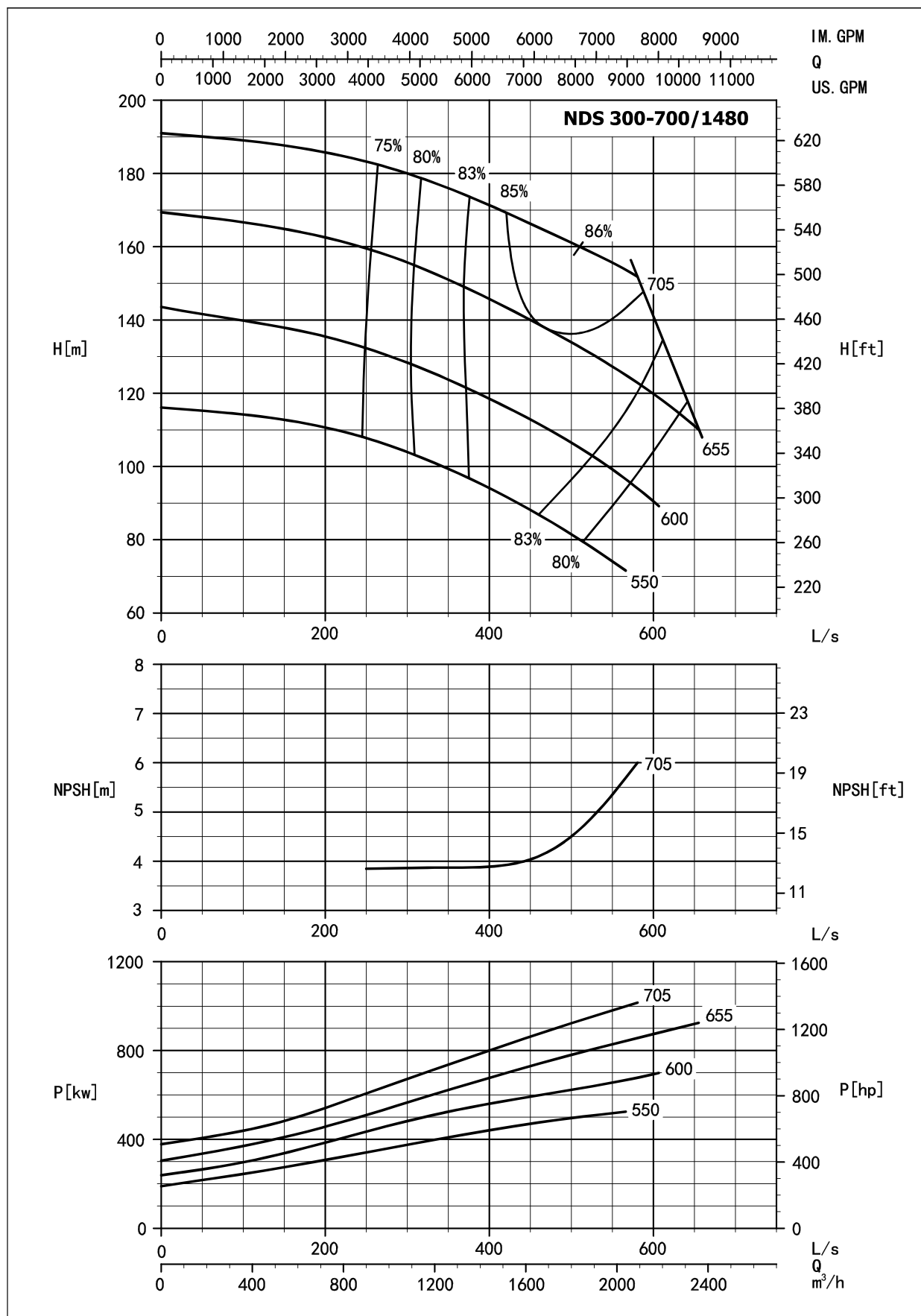
# Performance Curves

The performance curves applies to ISO9906 grade 2 for clean cold water only.



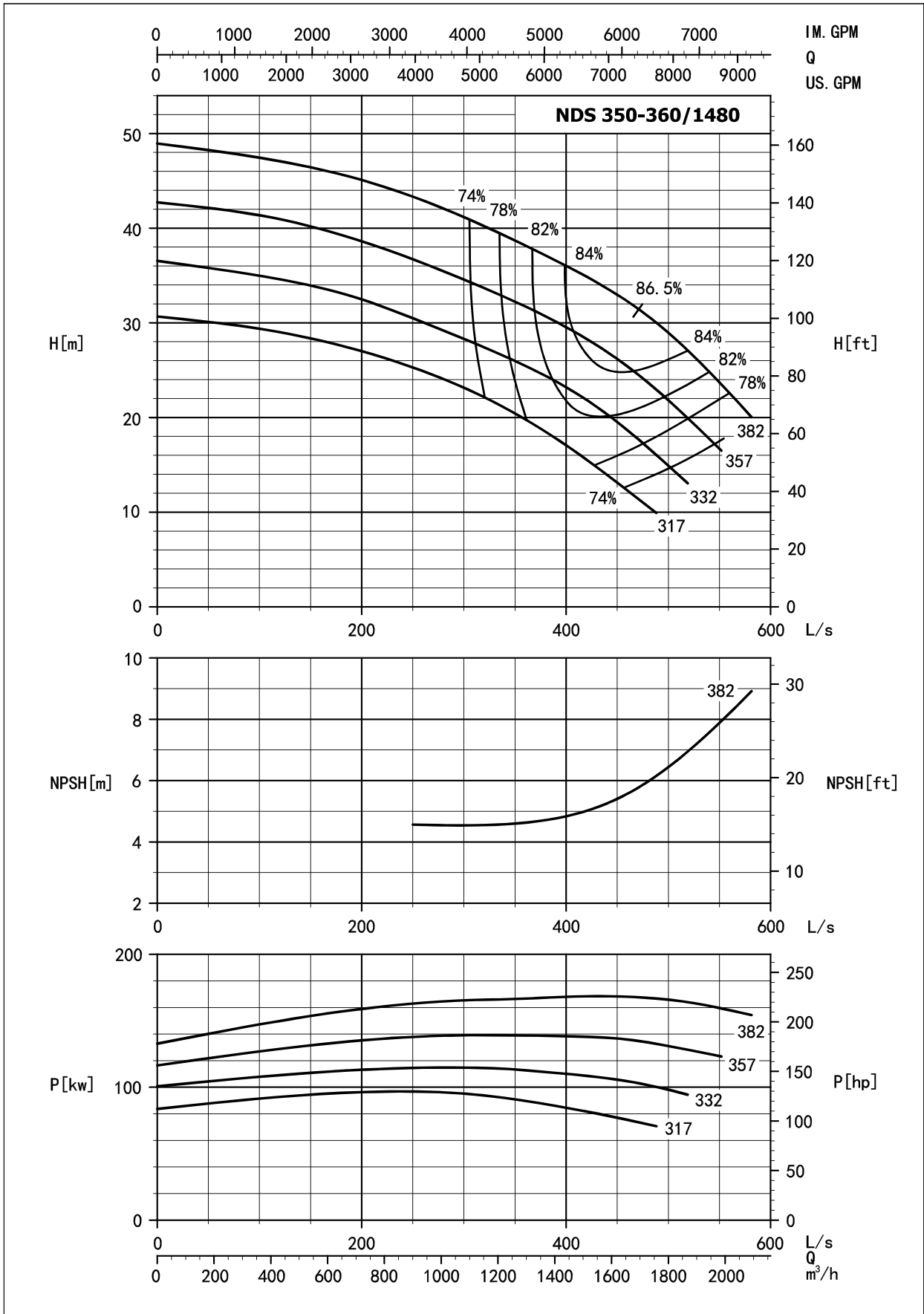
# Performance Curves

The performance curves apply to ISO9906 grade 2 for clean cold water only.



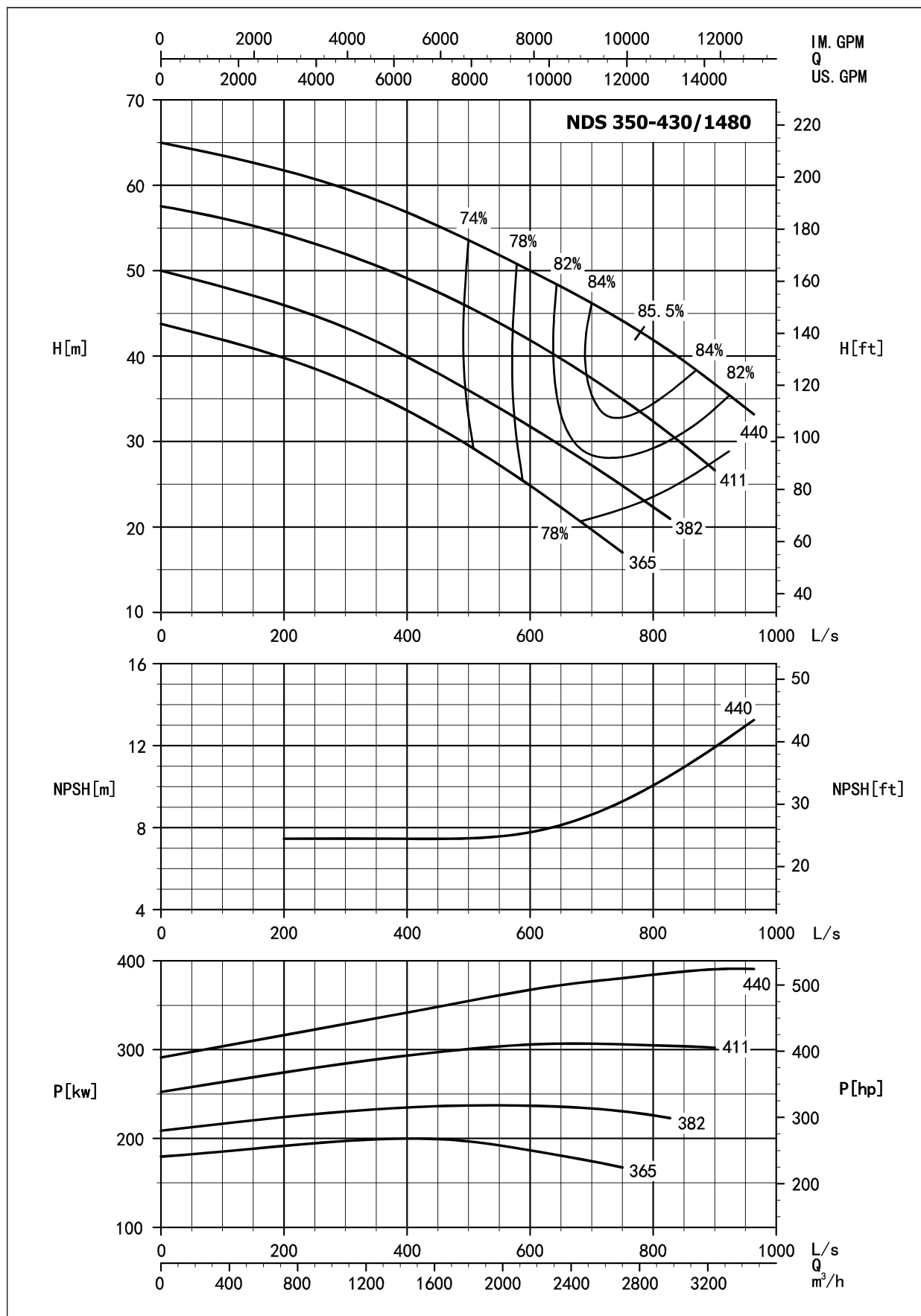
# Performance Curves

The performance curves applies to ISO9906 grade 2 for clean cold water only.



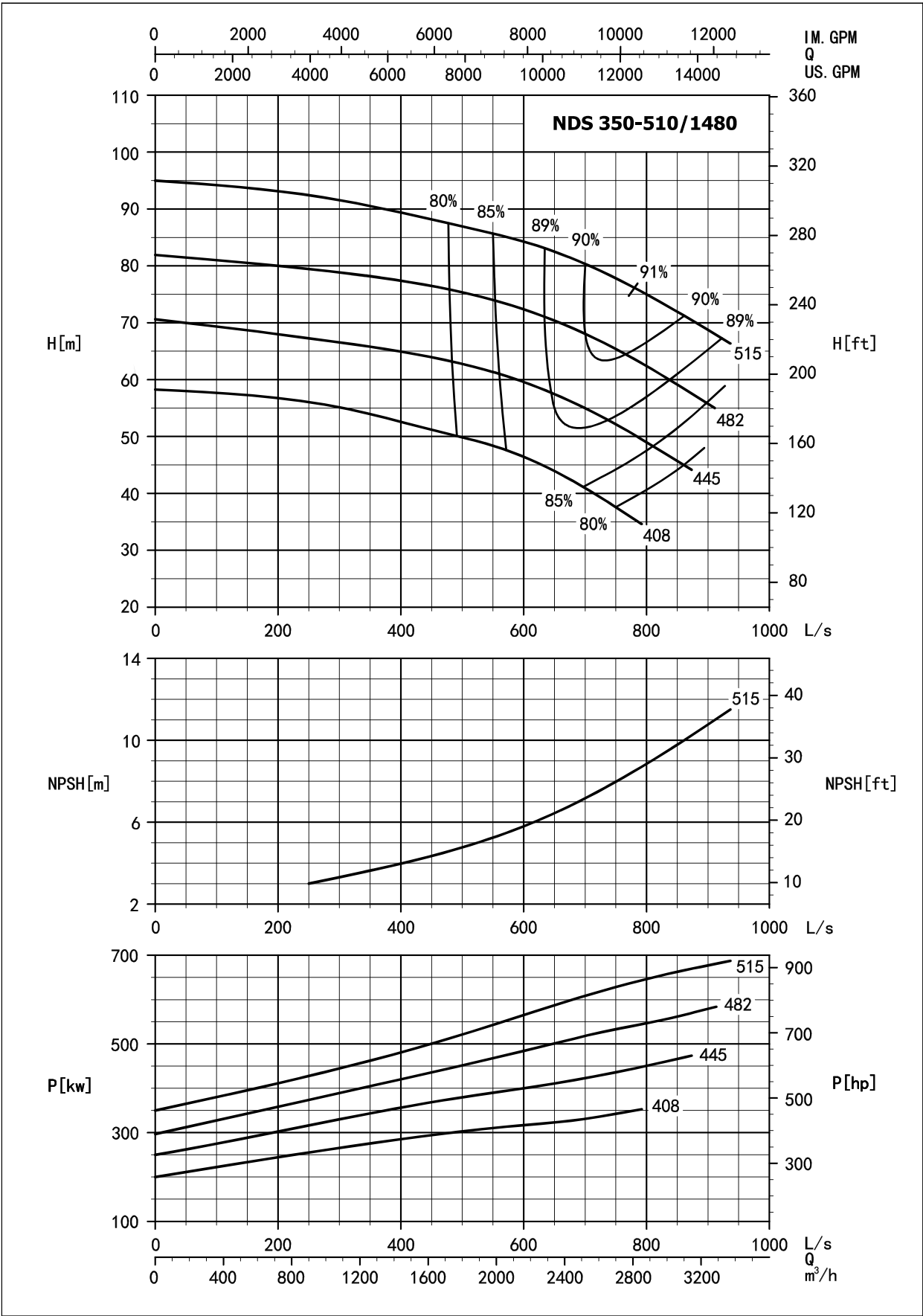
# Performance Curves

The performance curves apply to ISO9906 grade 2 for clean cold water only.



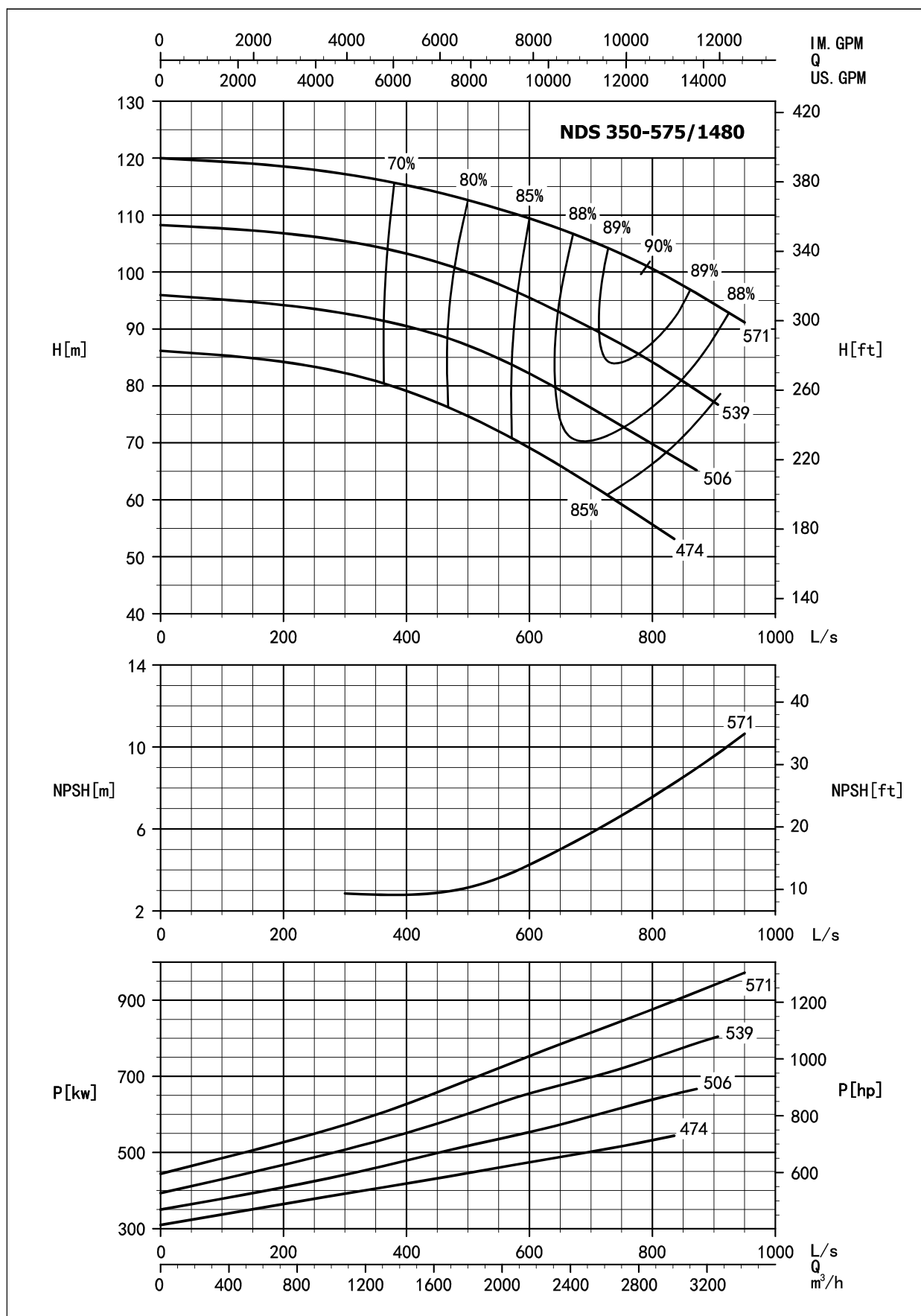
# Performance Curves

The performance curves applies to ISO9906 grade 2 for clean cold water only.



# Performance Curves

The performance curves apply to ISO9906 grade 2 for clean cold water only.







Swiss Pump Company AG  
Moosweg 36  
CH - 3645 Thun - Gwatt  
Switzerland  
Tel. +41 33 223 11 00  
Fax +41 33 223 11 22  
mail@swisspump.com

[www.swisspump.com](http://www.swisspump.com)