

# PYD

## ELECTROBOMBAS

### SERIE

# CBS

### CENTRÍFUGA ESTÁNDAR ISO 2858

ISO 2858 STANDARD CENTRIFUGE

CENTRIFUGEUSE CONFORME À LA NORME ISO 2858

# 50 Hz

1450 RPM

2900 RPM



## CATÁLOGO TÉCNICO

TECHNICAL CATALOGUE

CATALOGUE TECHNIQUE



## 1. DESCRIPCIÓN DESCRIPTION DESCRIPTION

Los cuerpos hidráulicos serie CBS son adecuados para el abastecimiento de agua y drenaje, climatización y torre de enfriamiento, protección y extinción de incendios, para la marina (lastre y sentina), grupos de presurización, riego y agricultura.

✿ The CBS series hydraulic units are suitable for water supply and drainage, air conditioning and cooling tower, fire protection and extinguishing, marine (ballast and bilge), pressurisation units, irrigation and agriculture.

🇫🇷 Les unités hydrauliques de la série CBS conviennent à l'approvisionnement en eau et au drainage, à la climatisation et aux tours de refroidissement, à la protection et à l'extinction des incendies, à la marine (ballast et cale), aux unités de pressurisation, à l'irrigation et à l'agriculture.



### MATERIALES

**Cuerpo de bomba:** Fundición

**Eje:** Acero inoxidable/acero al carbono.

**Impulsor:** Fundición/bronce/acero inoxidable/latón

### ✿ MATERIALS

**Pump body:** Cast iron

**Shaft:** Stainless steel / Carbon steel

**Impeller:** Cast iron / Bronze / Stainless steel / Brass

### 🇫🇷 MATÉRIELS

**Corps de pompe :** Fonte

**Arbre :** Acier inoxydable / Acier au carbone

**Roue (ou turbine) :** Fonte / Bronze / Acier inoxydable / Laiton

### ÁREA DE TRABAJO

**Altura máx.:** 160 m

**Caudal máx.:** 1200 m<sup>3</sup>/h

**Temperatura media:**

- Estándar: -15-80°C

- Bajo demanda: 80-145°C

### ✿ WORKING RANGE

**Max. head:** 160 m

**Max. flow rate:** 1200 m<sup>3</sup>/h

**Medium temperature:**

**Standard:** -15-80 °C

**On demand:** 80-145 °C

### 🇫🇷 PLAGUE DE TRAVAIL

**Hauteur max. :** 160 m

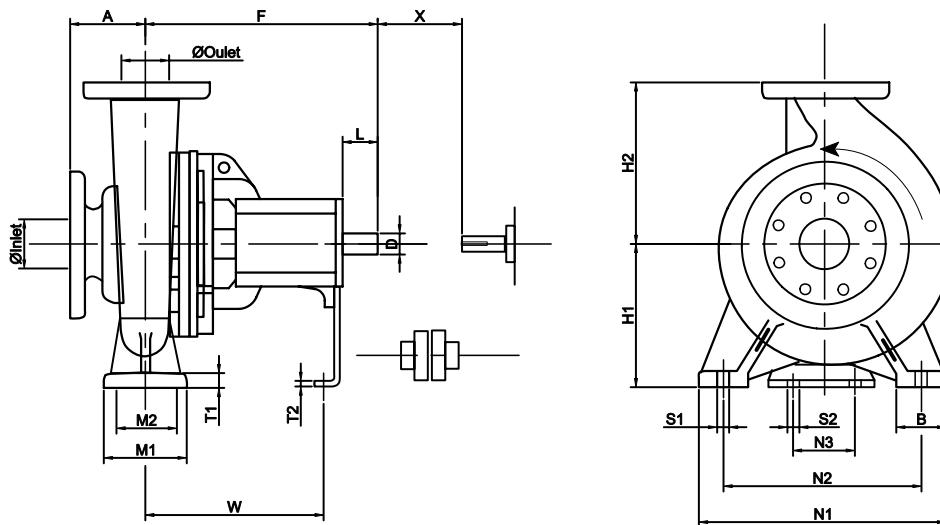
**Débit max. :** 1200 m<sup>3</sup>/h

**Température du fluide :**

**Standard :** -15-80 °C

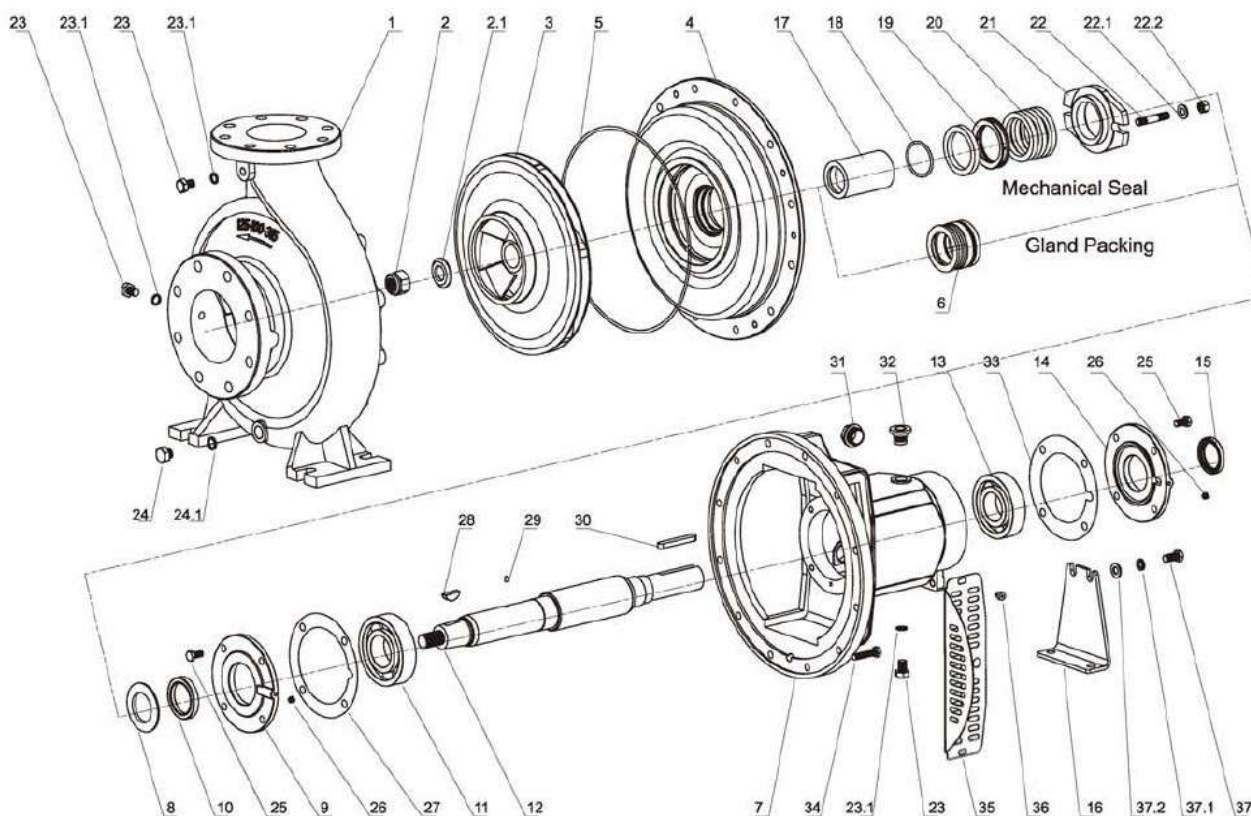
**Sur demande :** 80-145 °C

## 2. DIMENSIONES DIMENSIONS DIMENSIONS



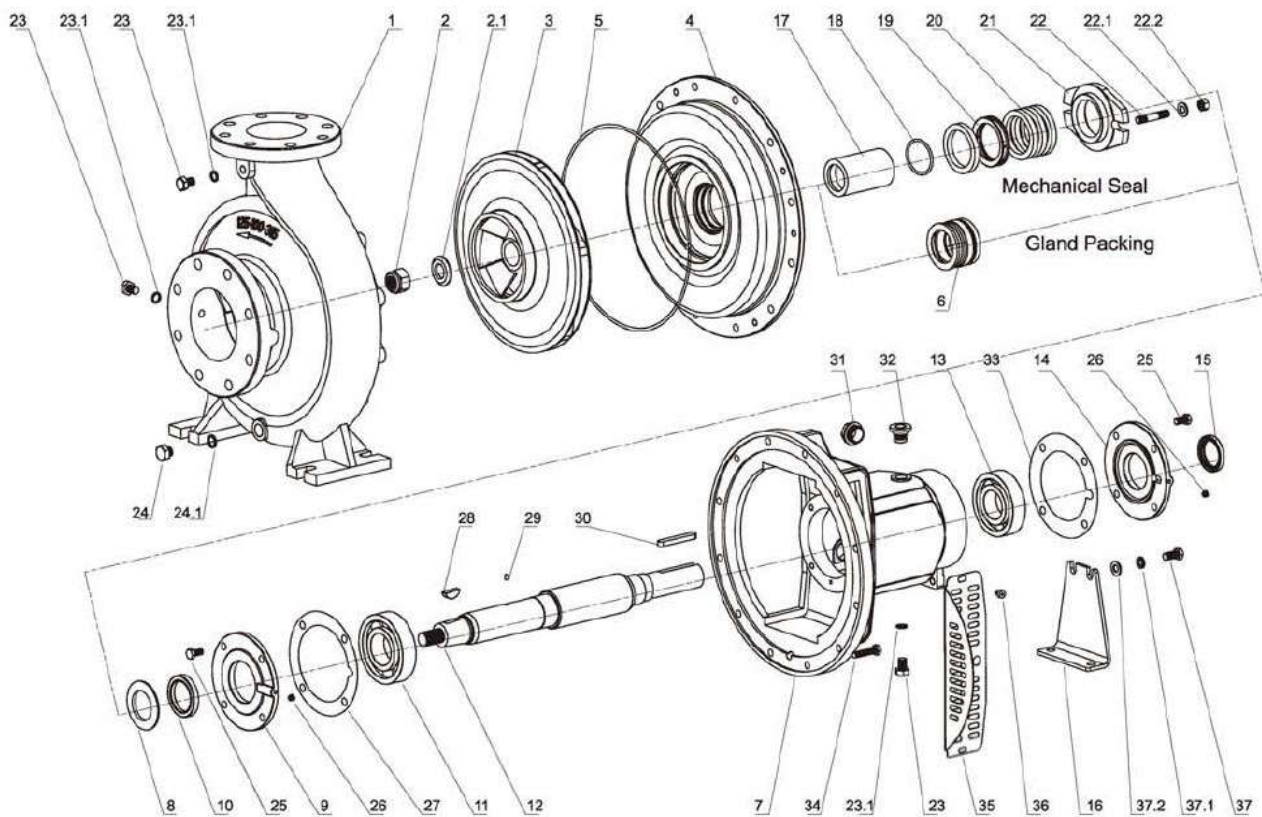
| PUMP SIZE |        |         | SHAFT No. | PUMP DIMENSIONS |     |     |     | MOUNTING DIMENSIONS |     |     |     |     |     |    | BOLT HOLES |     | SHAFT END |     | GAP * | PUMP MASS<br>kg |   |     |
|-----------|--------|---------|-----------|-----------------|-----|-----|-----|---------------------|-----|-----|-----|-----|-----|----|------------|-----|-----------|-----|-------|-----------------|---|-----|
| INLET     | OUTLET | IMP DIA |           | A               | F   | H1  | H2  | B                   | M1  | M2  | N1  | N2  | N3  | T1 | T2         | W   | S1        | S2  |       |                 | D | L   |
| 50        | 32     | 160     | 1         | 80              | 385 | 132 | 160 | 50                  | 100 | 70  | 240 | 190 | 110 | 12 | 6          | 285 | M12       | M12 | 24    | 50              | 4 | 43  |
| 50        | 32     | 200     | 1         | 80              | 385 | 160 | 180 | 50                  | 100 | 70  | 240 | 190 | 110 | 13 | 6          | 285 | M12       | M12 | 24    | 50              | 4 | 49  |
| 65        | 50     | 160     | 1         | 80              | 385 | 132 | 160 | 50                  | 100 | 70  | 240 | 190 | 110 | 12 | 6          | 285 | M12       | M12 | 24    | 50              | 4 | 44  |
| 65        | 40     | 200     | 1         | 100             | 385 | 160 | 180 | 50                  | 100 | 70  | 265 | 212 | 110 | 13 | 6          | 285 | M12       | M12 | 24    | 50              | 4 | 51  |
| 65        | 40     | 250     | 2         | 100             | 500 | 180 | 225 | 65                  | 125 | 95  | 320 | 250 | 110 | 14 | 6          | 370 | M12       | M12 | 32    | 80              | 4 | 71  |
| 65        | 40     | 315     | 2         | 125             | 500 | 200 | 250 | 65                  | 125 | 95  | 345 | 280 | 110 | 16 | 6          | 370 | M12       | M12 | 32    | 80              | 4 | 90  |
| 80        | 65     | 160     | 1         | 100             | 385 | 160 | 180 | 50                  | 100 | 70  | 265 | 212 | 110 | 13 | 6          | 285 | M12       | M12 | 24    | 50              | 4 | 49  |
| 80        | 50     | 200     | 1         | 100             | 385 | 160 | 200 | 50                  | 100 | 70  | 265 | 212 | 110 | 13 | 6          | 285 | M12       | M12 | 24    | 50              | 4 | 53  |
| 80        | 50     | 250     | 2         | 125             | 500 | 180 | 225 | 65                  | 125 | 95  | 320 | 250 | 110 | 15 | 6          | 370 | M12       | M12 | 32    | 80              | 4 | 76  |
| 80        | 50     | 315     | 2         | 125             | 500 | 225 | 280 | 65                  | 125 | 95  | 345 | 280 | 110 | 18 | 6          | 370 | M12       | M12 | 32    | 80              | 4 | 94  |
| 100       | 80     | 160     | 2         | 100             | 500 | 160 | 200 | 65                  | 125 | 95  | 280 | 212 | 110 | 14 | 6          | 370 | M12       | M12 | 32    | 80              | 4 | 68  |
| 100       | 65     | 200     | 2         | 100             | 500 | 180 | 225 | 65                  | 125 | 95  | 320 | 250 | 110 | 15 | 6          | 370 | M12       | M12 | 32    | 80              | 6 | 72  |
| 100       | 65     | 250     | 2         | 125             | 500 | 200 | 250 | 80                  | 160 | 120 | 360 | 280 | 110 | 16 | 6          | 370 | M16       | M12 | 32    | 80              | 6 | 84  |
| 100       | 65     | 315     | 3         | 125             | 530 | 225 | 280 | 80                  | 160 | 120 | 400 | 315 | 110 | 18 | 8          | 370 | M16       | M12 | 42    | 110             | 6 | 122 |
| 125       | 80     | 200     | 2         | 125             | 500 | 180 | 250 | 65                  | 125 | 95  | 345 | 280 | 110 | 16 | 6          | 370 | M12       | M12 | 32    | 80              | 6 | 81  |
| 125       | 80     | 250     | 2         | 125             | 500 | 225 | 280 | 80                  | 160 | 120 | 400 | 315 | 110 | 18 | 6          | 370 | M16       | M12 | 32    | 80              | 6 | 88  |
| 125       | 80     | 315     | 3         | 125             | 530 | 250 | 315 | 80                  | 160 | 120 | 400 | 315 | 110 | 20 | 8          | 370 | M16       | M12 | 42    | 110             | 6 | 130 |
| 125       | 80     | 400     | 3         | 125             | 530 | 280 | 355 | 80                  | 160 | 120 | 435 | 355 | 110 | 20 | 8          | 370 | M16       | M12 | 42    | 110             | 6 | 163 |
| 125       | 100    | 200     | 2         | 125             | 500 | 200 | 280 | 80                  | 160 | 120 | 360 | 280 | 110 | 17 | 6          | 370 | M16       | M12 | 32    | 80              | 6 | 87  |
| 125       | 100    | 250     | 3         | 140             | 530 | 225 | 280 | 80                  | 160 | 120 | 400 | 315 | 110 | 18 | 8          | 370 | M16       | M12 | 42    | 110             | 6 | 122 |
| 125       | 100    | 315     | 3         | 140             | 530 | 250 | 315 | 80                  | 160 | 120 | 400 | 315 | 110 | 19 | 8          | 370 | M16       | M12 | 42    | 110             | 6 | 138 |
| 125       | 100    | 400     | 3         | 140             | 530 | 280 | 355 | 100                 | 200 | 150 | 500 | 400 | 110 | 20 | 8          | 370 | M20       | M12 | 42    | 110             | 6 | 175 |
| 125       | 100    | 500     | 4         | 160             | 670 | 355 | 450 | 100                 | 210 | 150 | 540 | 450 | 140 | 25 | 10         | 500 | M20       | M16 | 48    | 110             | 6 | 378 |
| 150       | 125    | 250     | 3         | 140             | 530 | 250 | 355 | 80                  | 160 | 120 | 400 | 315 | 110 | 19 | 8          | 370 | M16       | M12 | 42    | 110             | 6 | 135 |
| 150       | 125    | 315     | 3         | 140             | 530 | 280 | 355 | 100                 | 200 | 150 | 500 | 400 | 110 | 20 | 8          | 370 | M20       | M12 | 42    | 110             | 6 | 156 |
| 150       | 125    | 400     | 3         | 140             | 530 | 315 | 400 | 100                 | 200 | 150 | 500 | 400 | 110 | 21 | 8          | 370 | M20       | M12 | 42    | 110             | 6 | 193 |
| 150       | 125    | 500     | 4         | 160             | 670 | 355 | 450 | 100                 | 210 | 150 | 540 | 450 | 140 | 25 | 10         | 500 | M20       | M16 | 48    | 110             | 6 | 402 |
| 200       | 150    | 315     | 4         | 160             | 670 | 315 | 400 | 100                 | 210 | 150 | 540 | 450 | 140 | 20 | 10         | 500 | M20       | M16 | 48    | 110             | 8 | 274 |
| 200       | 150    | 400     | 4         | 160             | 670 | 315 | 450 | 100                 | 210 | 150 | 540 | 450 | 140 | 25 | 10         | 500 | M20       | M16 | 48    | 110             | 8 | 339 |
| 200       | 150    | 500     | 4         | 160             | 670 | 400 | 500 | 100                 | 210 | 150 | 540 | 450 | 140 | 25 | 10         | 500 | M20       | M16 | 48    | 110             | 8 | 426 |
| 250       | 200    | 315     | 4         | 180             | 670 | 315 | 450 | 100                 | 210 | 150 | 540 | 450 | 140 | 25 | 10         | 500 | M20       | M16 | 48    | 110             | 8 | 314 |

### 3. DESPIECE PARTS PIÈCES



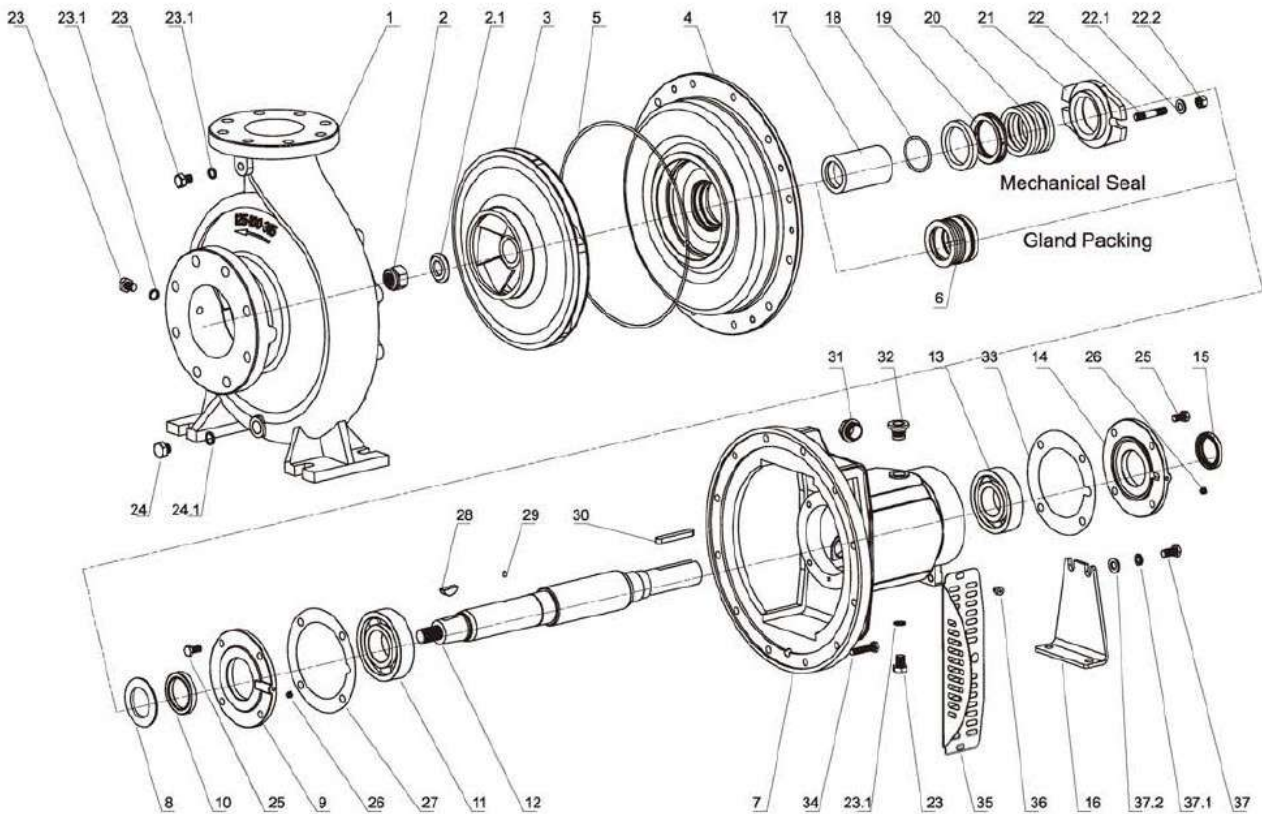
| Nº  | Nombre                                    | Nº   | Nombre                                 | Nº   | Nombre   |
|-----|---|------|--|------|--|
| 1   | Carcasa                                   | 14   | Tapa de rodamientos del extremo motriz | 26   | Bote de aceite M6                                    |
| 2   | Tuerca del impulsor                       | 15   | Retén de aceite del extremo motriz     | 27   | Junta del casquillo del cuello del extremo no motriz |
| 2.1 | Retenedor del anillo de desgaste          | 16   | Pie de apoyo                           | 28   | Chaveta  |
| 3   | Impulsor                                  | 17   | Manguito de la empaquetadura           | 29   | Pasador  |
| 4   | Tapa                                      | 18   | Anillo tórico                          | 30   | Chaveta  |
| 4   | Tapa del prensaestopas                    | 19   | Empaquetadura de prensaestopas         | 31   | Indicador de aceite                                  |
| 5   | Anillo tórico                             | 20   | Jaula del sello de empaquetadura       | 32   | Tapa de aceite                                       |
| 6   | Sello mecánico MG9                        | 21   | Tapa del prensaestopas                 | 33   | Junta del casquillo del cuello del extremo motriz    |
| 7   | Caja de rodamientos                       | 22   | Perno de espiga                        | 34   | Tornillo   |
| 8   | Deflector de goma                         | 22.1 | Arandela plana                         | 35   | Protector  |
| 9   | Tapa de rodamientos del extremo no motriz | 22.2 | Tuerca                                 | 36   | Perno  |
| 10  | Retén de aceite del extremo no motriz     | 23   | Tapón                                  | 37   | Tornillo   |
| 11  | Rodamiento del extremo no motriz          | 23.1 | Junta del tapón                        | 37.1 | Arandela elástica                                    |
| 12  | Eje del sello mecánico                    | 24   | Tapón                                  | 37.2 | Arandela plana                                       |
| 12  | Eje de la empaquetadura                   | 24.1 | Junta del tapón                        |      |  |

### 3. DESPIECE PARTS PIÈCES



| Nº  | Name  | Nº   | Name              | Nº   | Name                      |
|-----|---|------|-------------------|------|---------------------------|
| 1   | Casing                                      | 14   | DE bearing cover  | 26   | Oil cup M6                |
| 2   | Impeller nut                                | 15   | DE oil seal       | 27   | NDE throat bushing gasket |
| 2.1 | Wear ring retainer                          | 16   | Support foot      | 28   | Key                       |
| 3   | Impeller<br>Cover                           | 17   | Packing sleeve    | 29   | Pin                       |
| 4   | Packing cover                               | 18   | O-ring            | 30   | Key                       |
| 5   | O-ring                                      | 19   | Gland packing     | 31   | Oil scale                 |
| 6   | MG9 mechanical seal                         | 20   | Packing seal cage | 32   | Oil cover                 |
| 7   | Bearing housing                             | 21   | Gland cover       | 33   | DE throat bushing gasket  |
| 8   | Rubber slinger                              | 22   | Stud bolt         | 34   | Screw bolt                |
| 9   | NDE bearing cover                           | 22.1 | Flat washer       | 35   | Guard                     |
| 10  | NDE oil seal                                | 22.2 | Screw nut         | 36   | Bolt                      |
| 11  | NDE bearing                                 | 23   | Plug              | 37   | Screw bolt                |
| 12  | Mechanical seal shaft<br>Stuffing box gland | 23.1 | Plug gasket       | 37.1 | Elastic washer            |
| 13  | DE bearing                                  | 24   | Plug              | 37.2 | Flat washer               |
|     |   | 24.1 | Plug gasket       |      |                           |
|     |   | 25   | Screw             |      |                           |

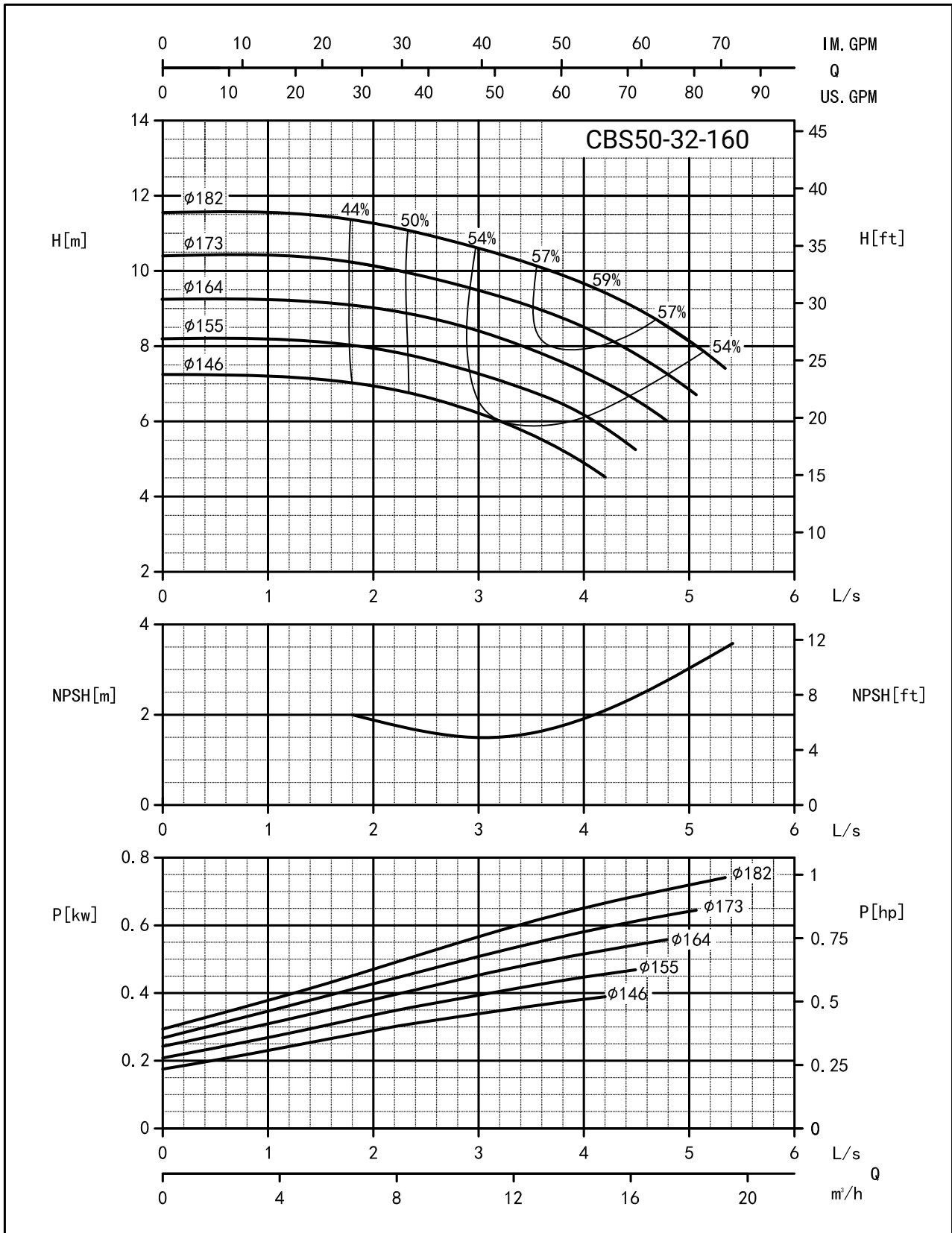
### 3. DESPIECE PARTS PIÈCES



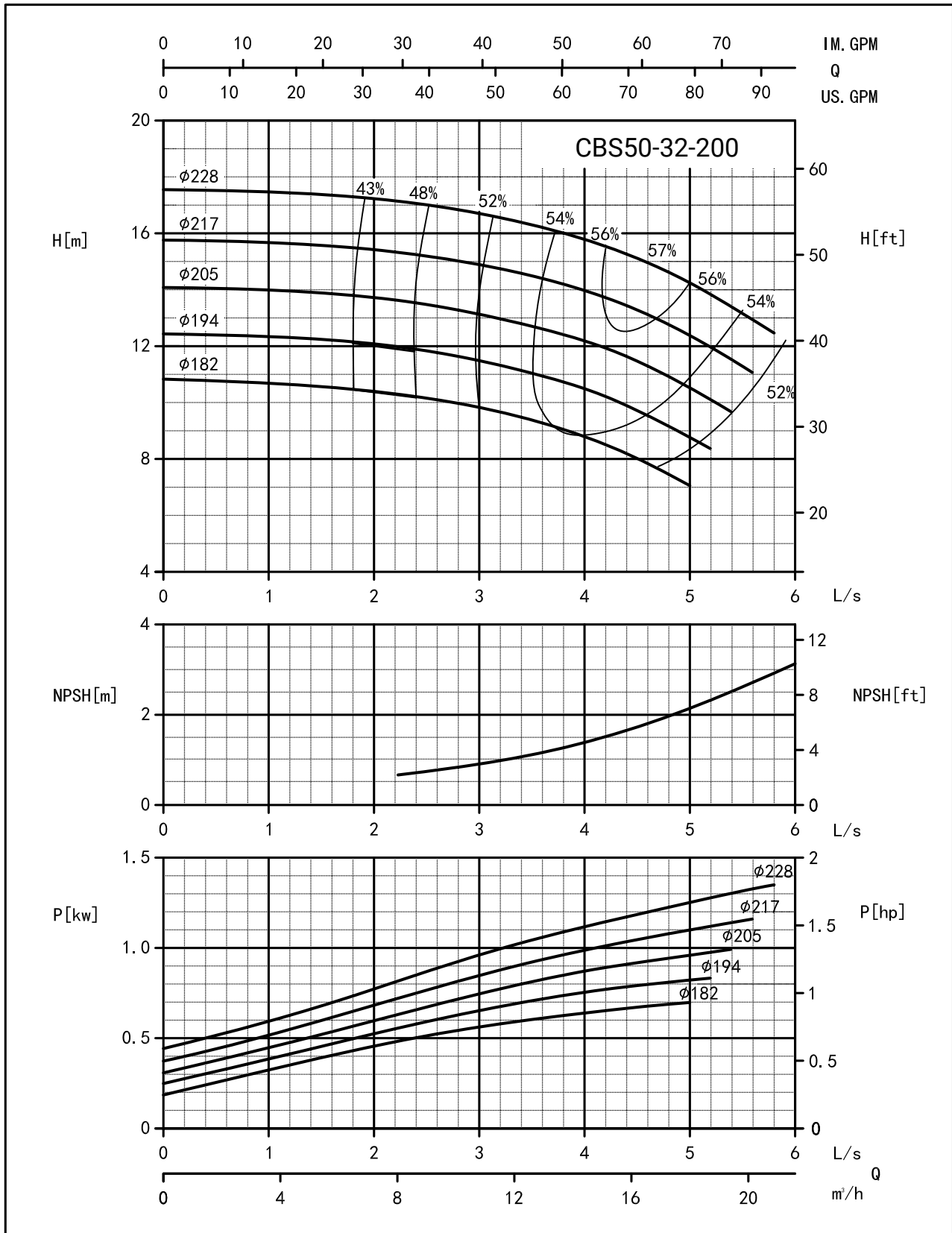
| N°  | Nom                               | N°   | Nom                       | N°   | Nom                        |
|-----|-----------------------------------|------|---------------------------|------|----------------------------|
| 1   | Corps de pompe                    | 14   | Couvercle de roulement DE | 26   | Graisseur M6               |
| 2   | Écrou de roue                     | 15   | Joint à lèvres d'huile DE | 27   | Bague d'usure de gorge NDE |
| 2.1 | Bague de retenue de bague d'usure | 16   | Pied de support           | 28   | Clavette                   |
| 3   | Roue                              | 17   | Chemise d'arbre           | 29   | Goupille                   |
| 4   | Couvercle                         | 18   | Joint torique             | 30   | Clavette                   |
| 4   | Chapeau de presse-étoupe          | 19   | Tresse de presse-étoupe   | 31   | Jauge de niveau d'huile    |
| 5   | Joint torique                     | 20   | Bague de lanterne         | 32   | Couvercle d'huile          |
| 6   | Garniture mécanique MG9           | 21   | Chapeau de presse-étoupe  | 33   | Bague d'usure de gorge DE  |
| 7   | Palier                            | 22   | Goujon                    | 34   | Vis de serrage             |
| 8   | Défecteur en caoutchouc           | 22.1 | Rondelle plate            | 35   | Carter de protection       |
| 9   | Couvercle de roulement NDE        | 22.2 | Écrou                     | 36   | Boulon                     |
| 10  | Joint à lèvres d'huile NDE        | 23   | Bouchon                   | 37   | Vis de serrage             |
| 11  | Roulement NDE                     | 23.1 | Joint de bouchon          | 37.1 | Rondelle élastique         |
| 12  | Arbre de garniture mécanique      | 24   | Bouchon                   | 37.2 | Rondelle plate             |
| 12  | Étoupe de presse-étoupe           | 24.1 | Joint de bouchon          |      |                            |
| 13  | Roulement côté entraînement       | 25   | Vis                       |      |                            |

# CBS50-32-160

1450 RPM

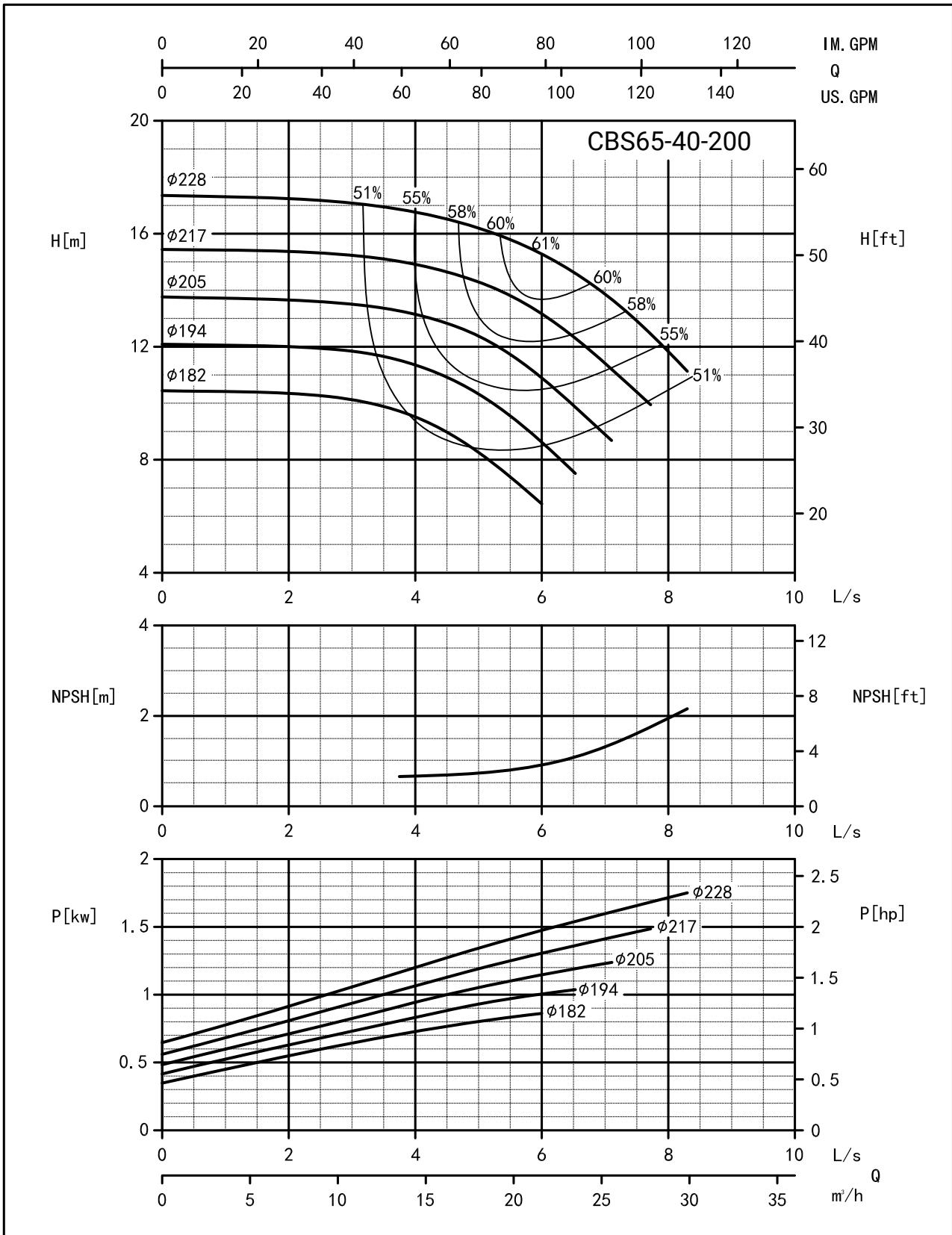


**CBS50-32-200**  
1450 RPM



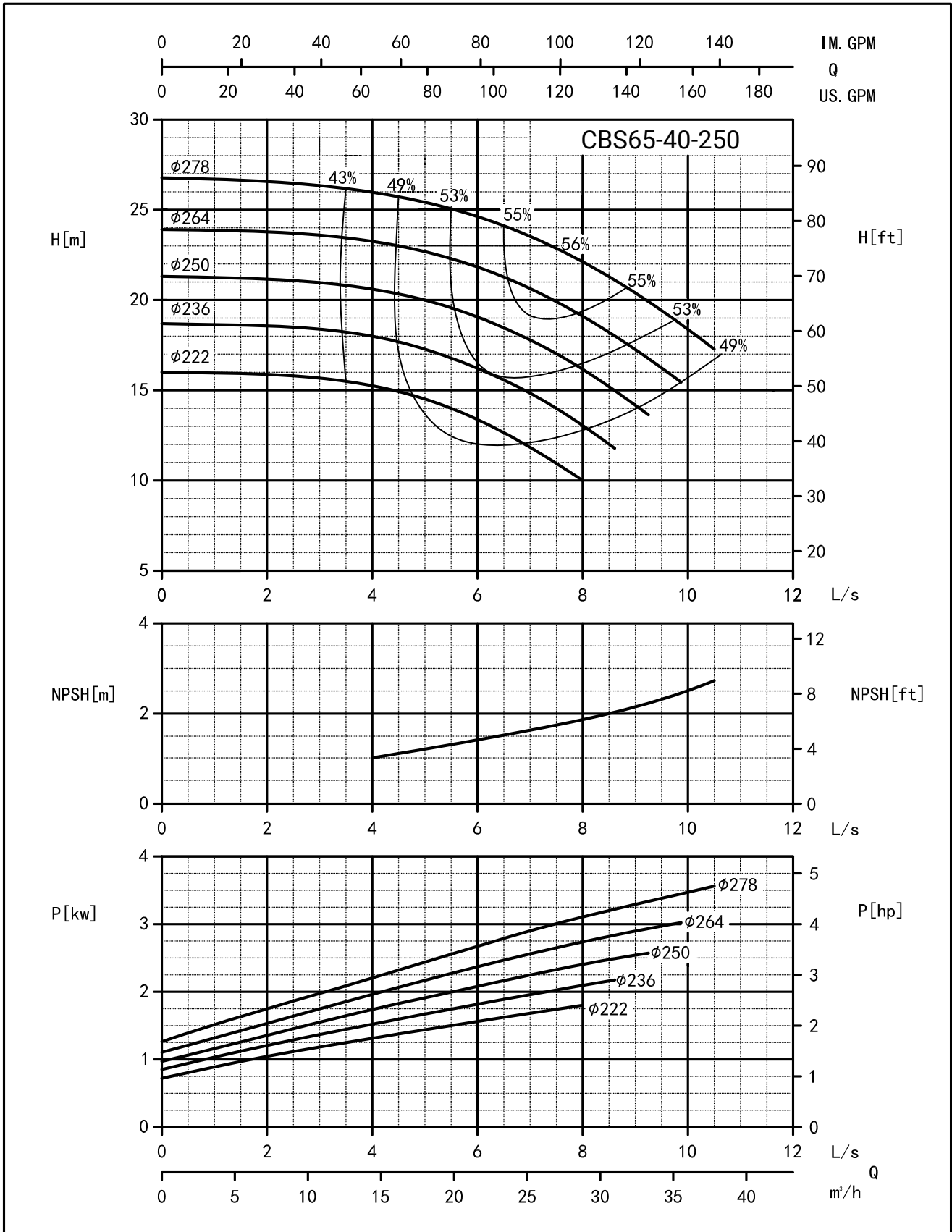
# CBS65-40-200

1450 RPM



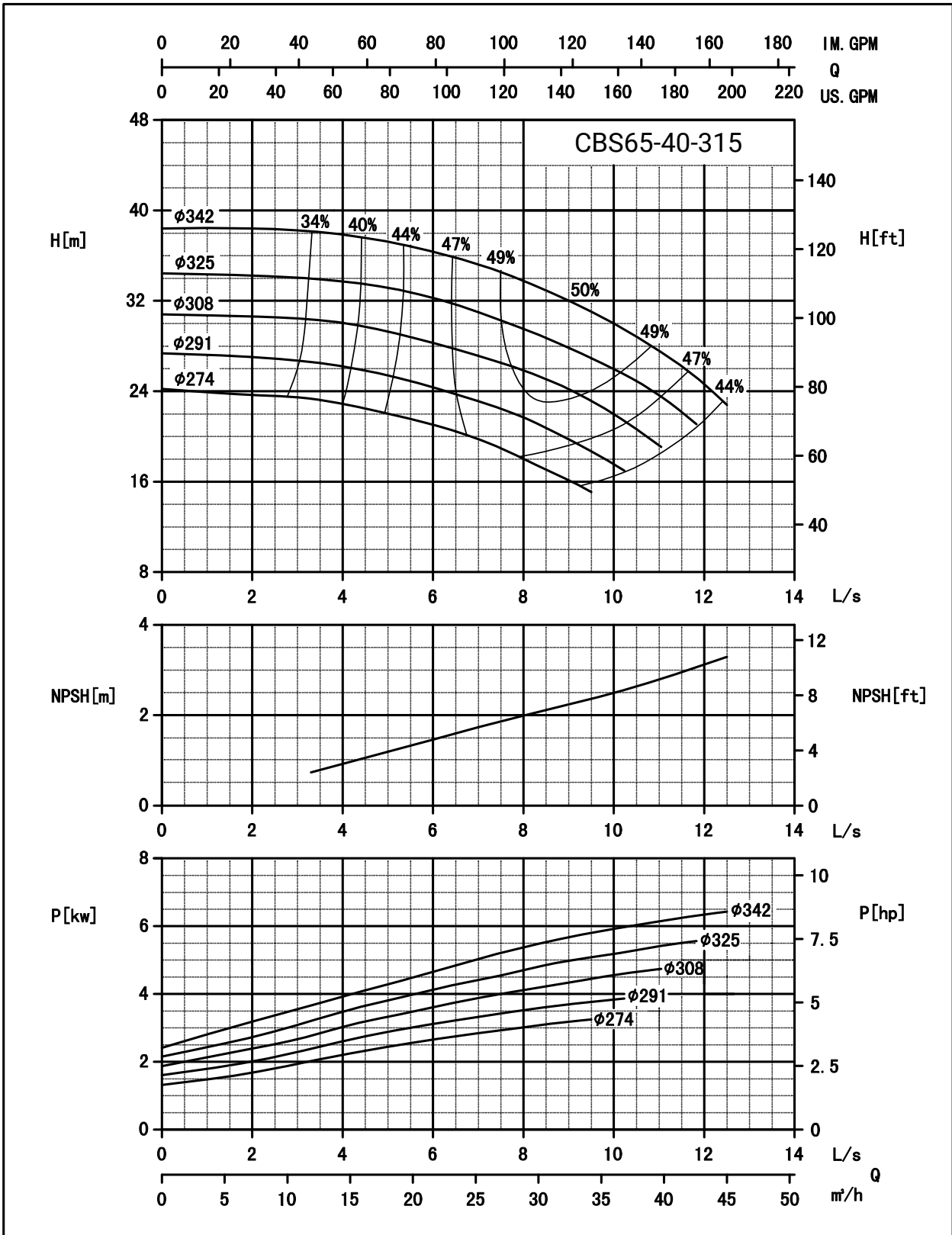
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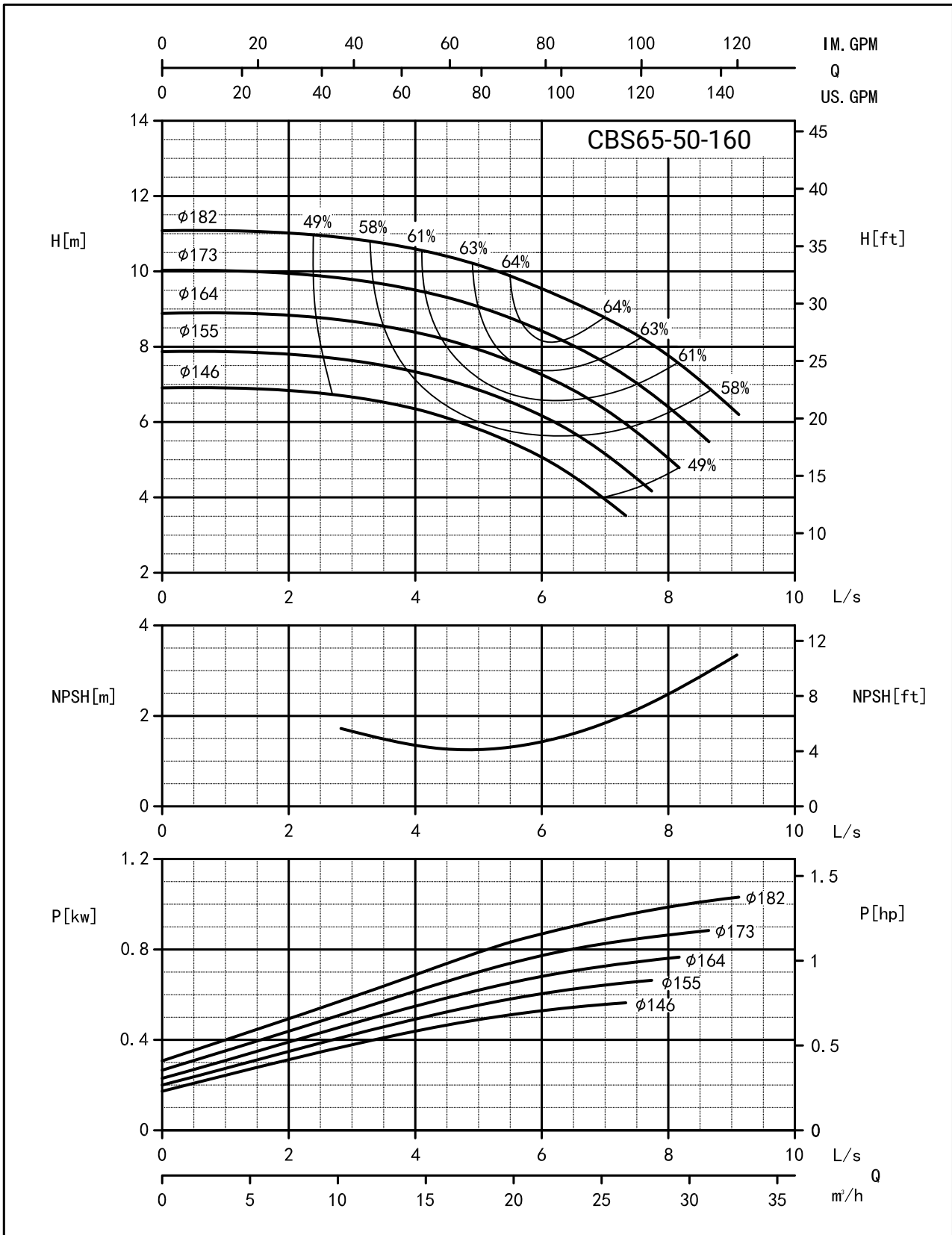


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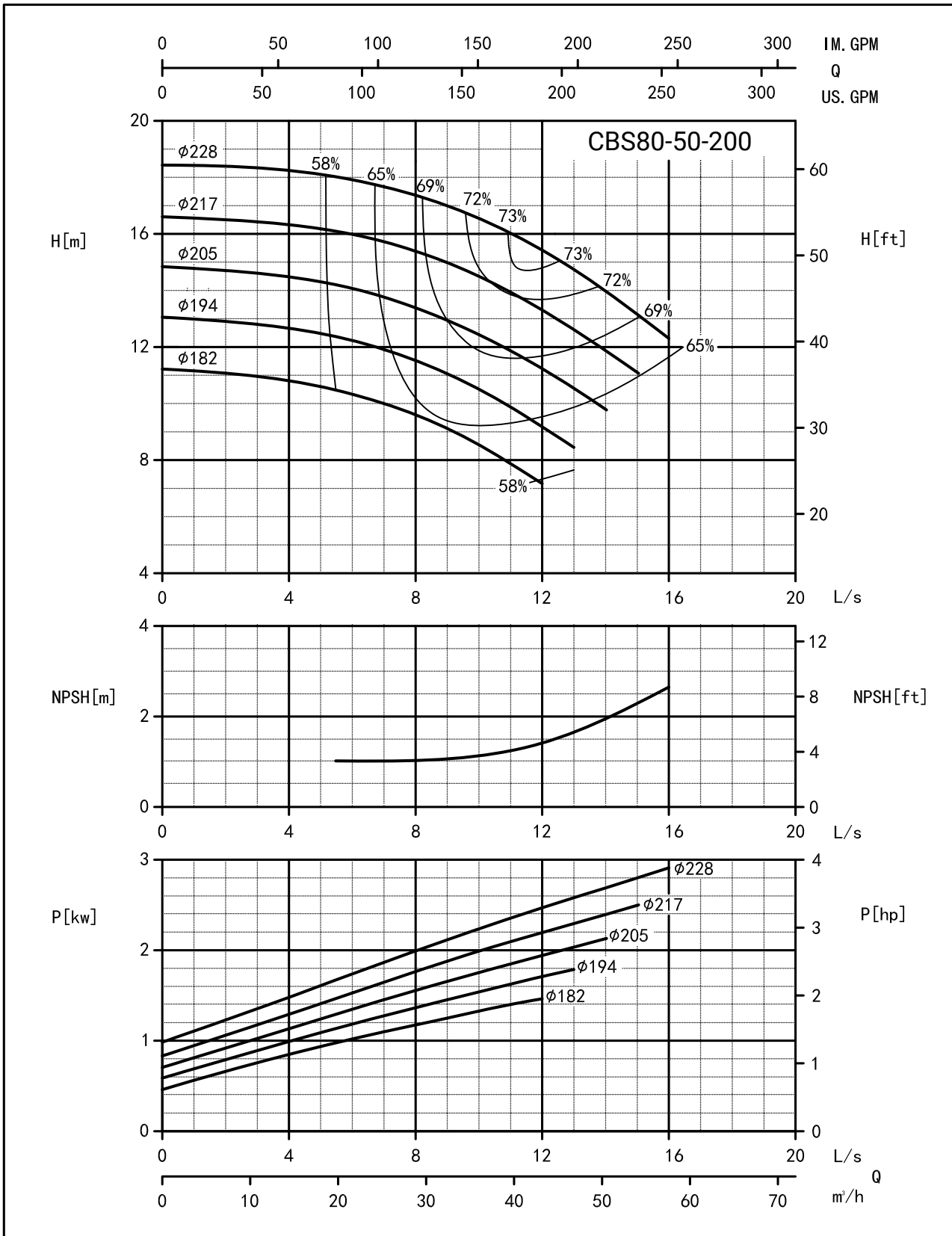
1450 RPM



**CBS65-50-160**  
1450 RPM

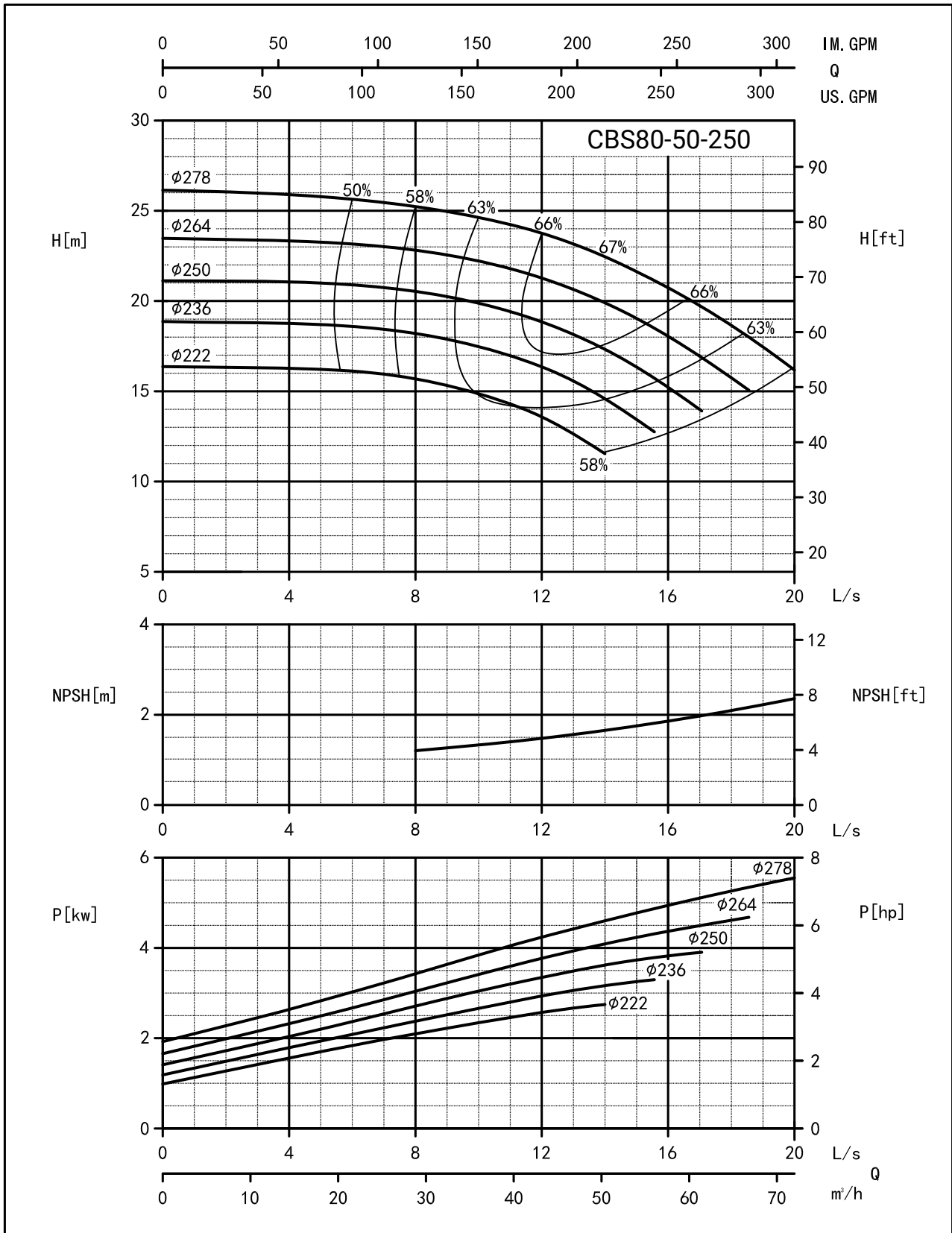


**CBS80-50-200**  
1450 RPM

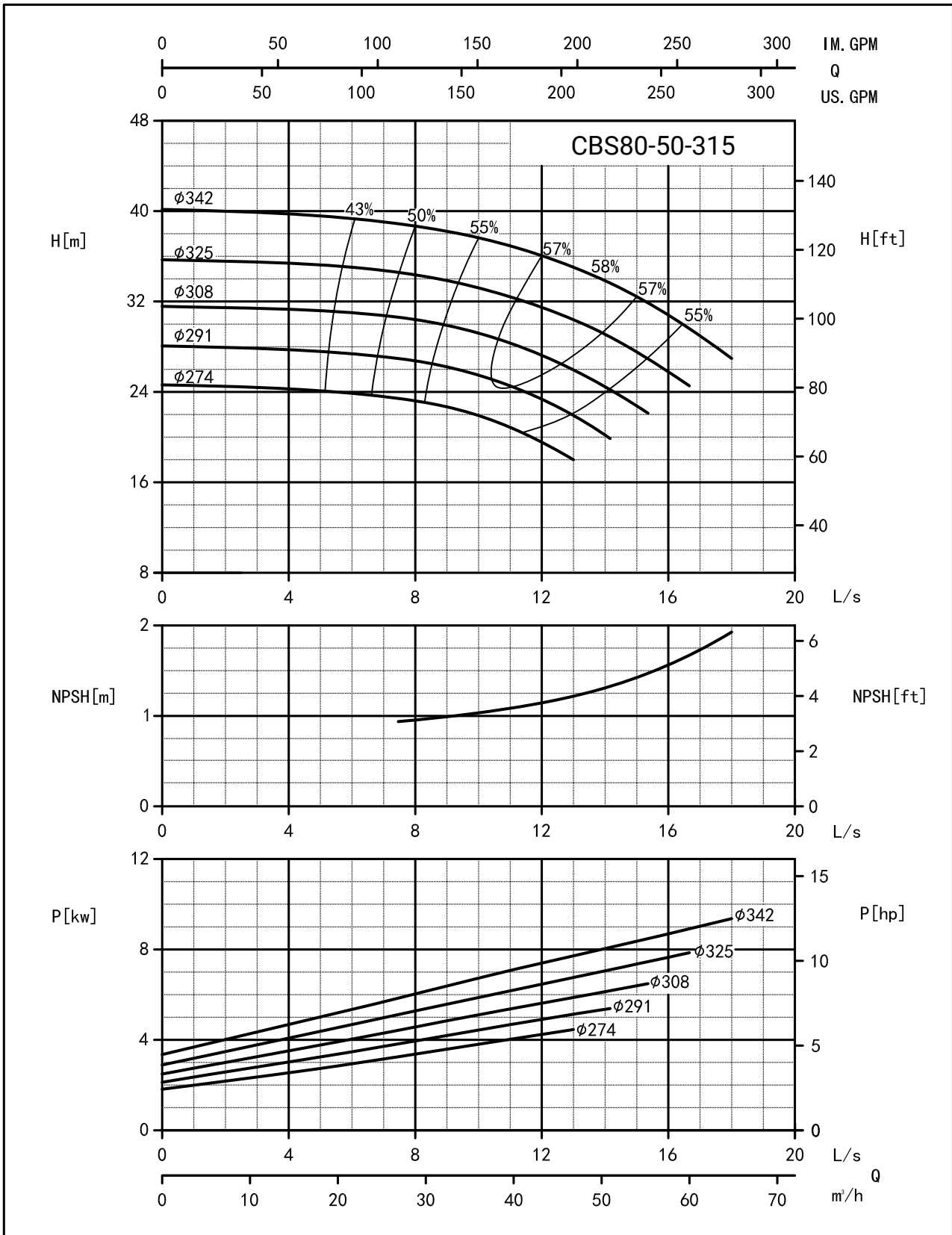


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1450 RPM

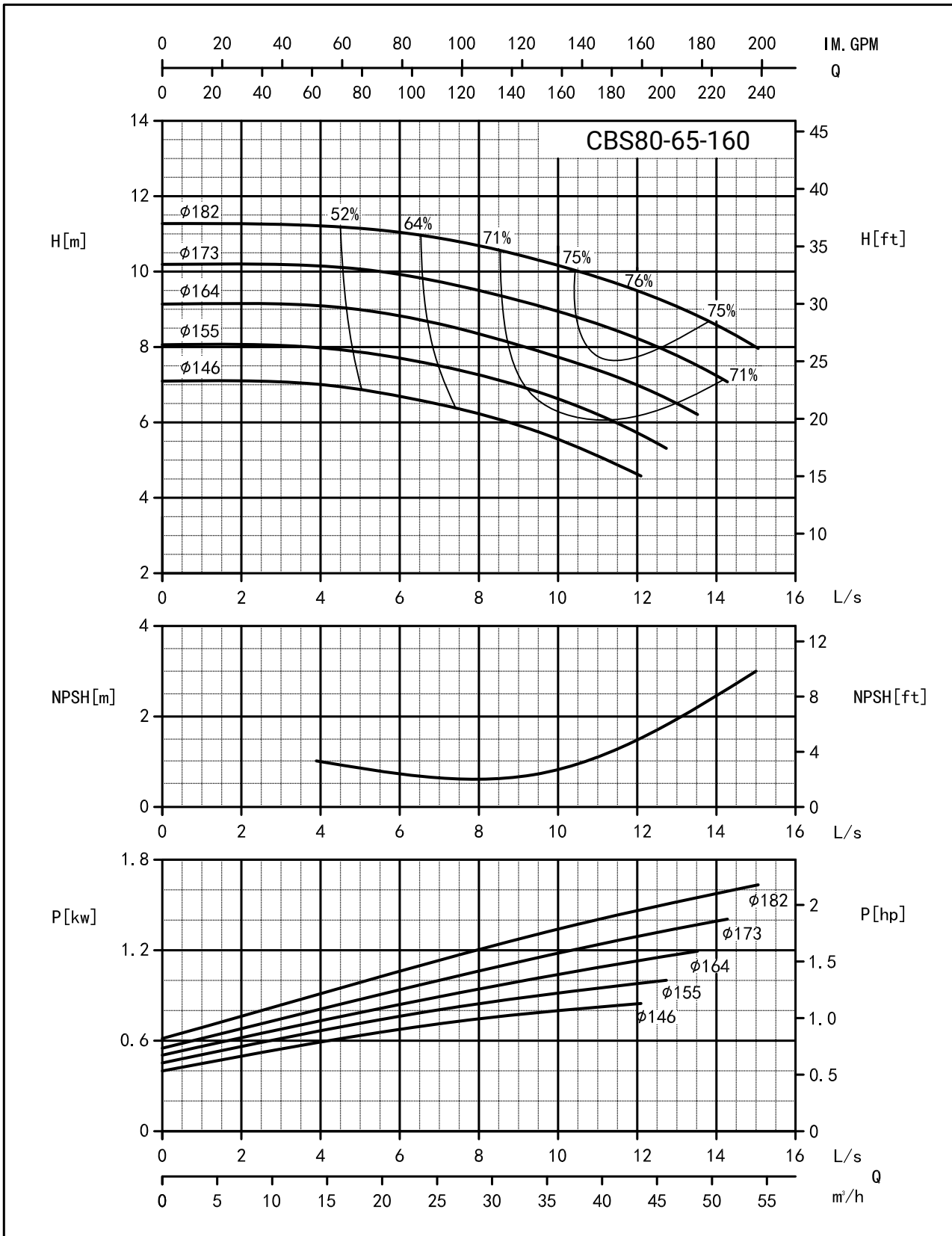


**CBS80-50-315**  
1450 RPM

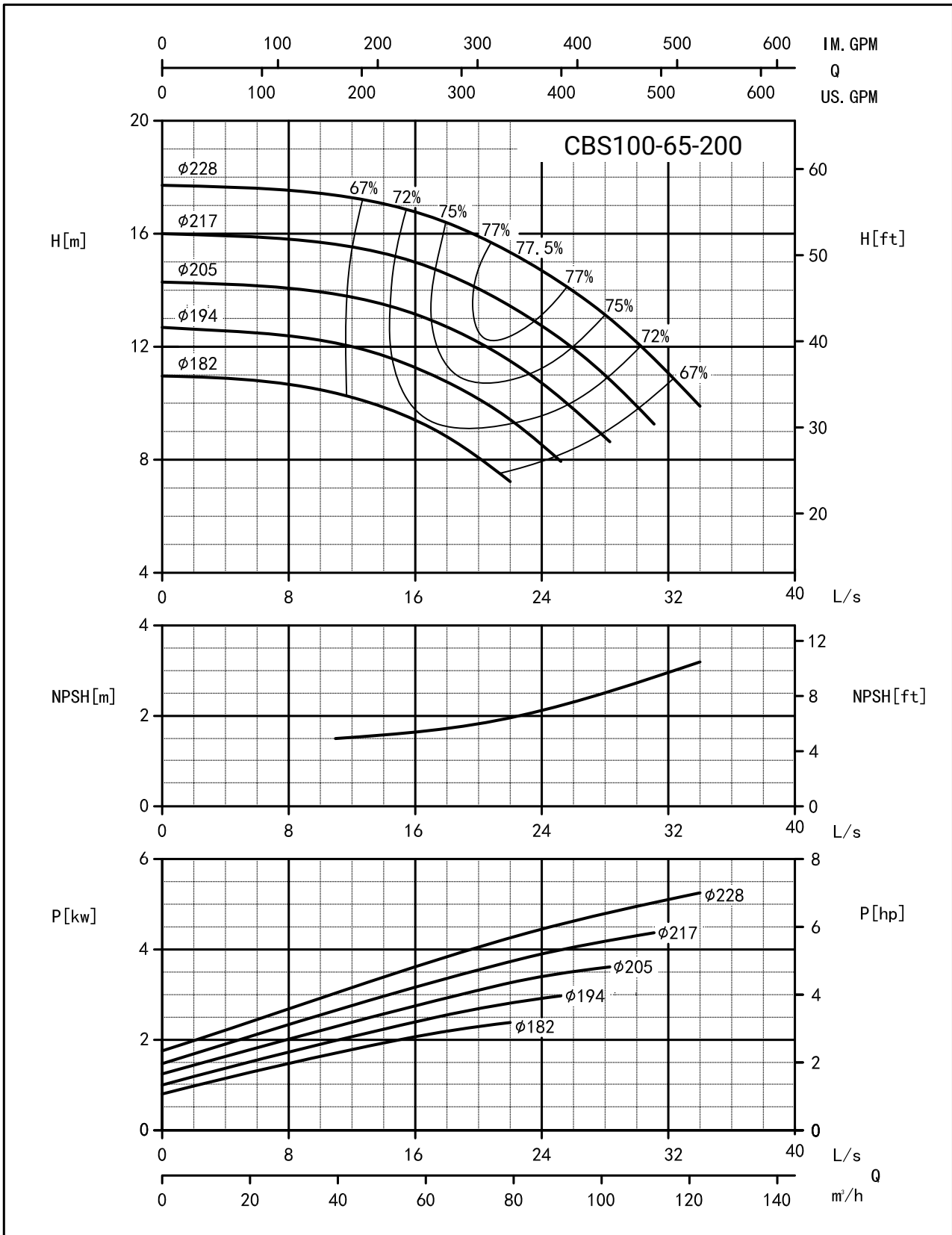


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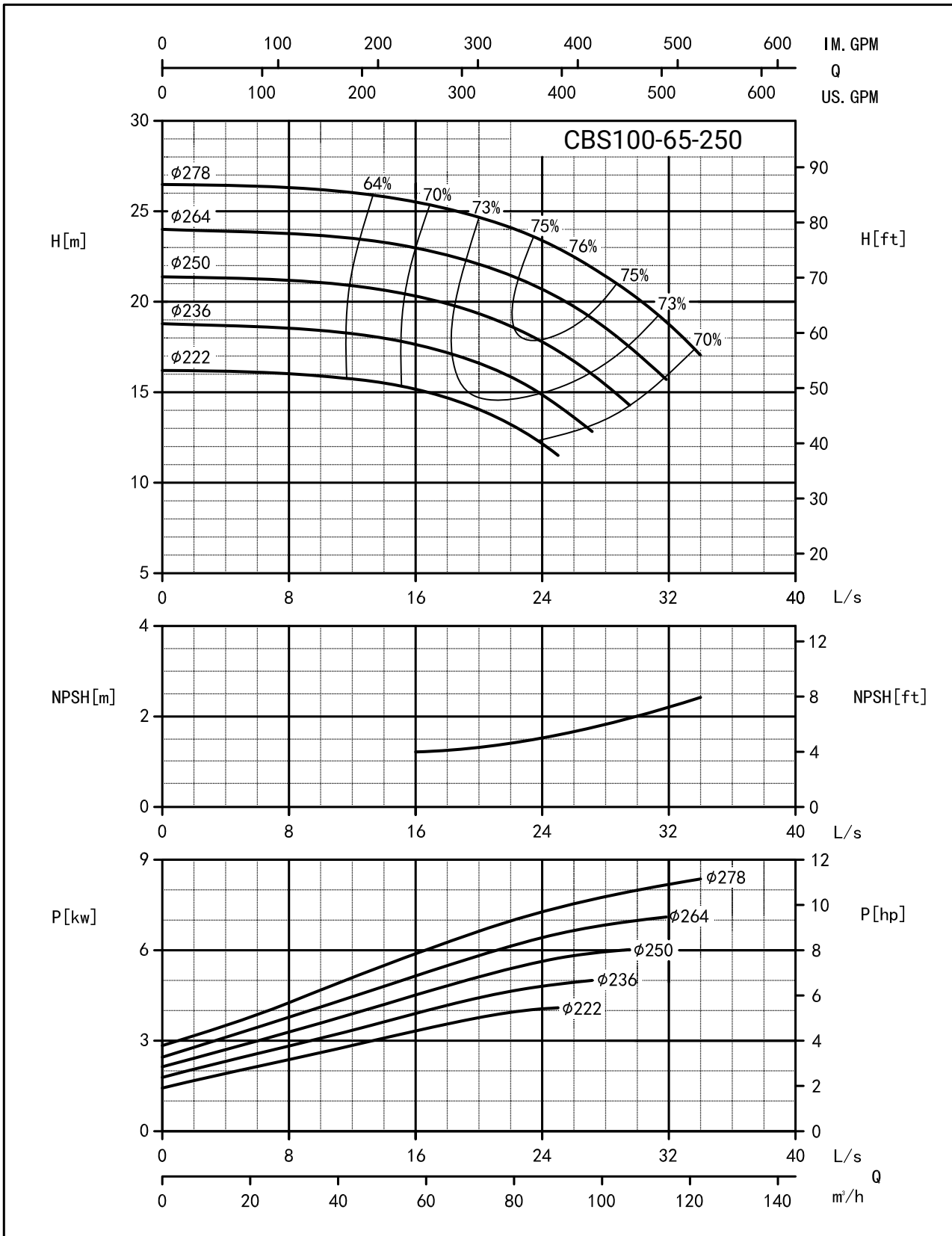


**CBS100-65-200**  
1450 RPM



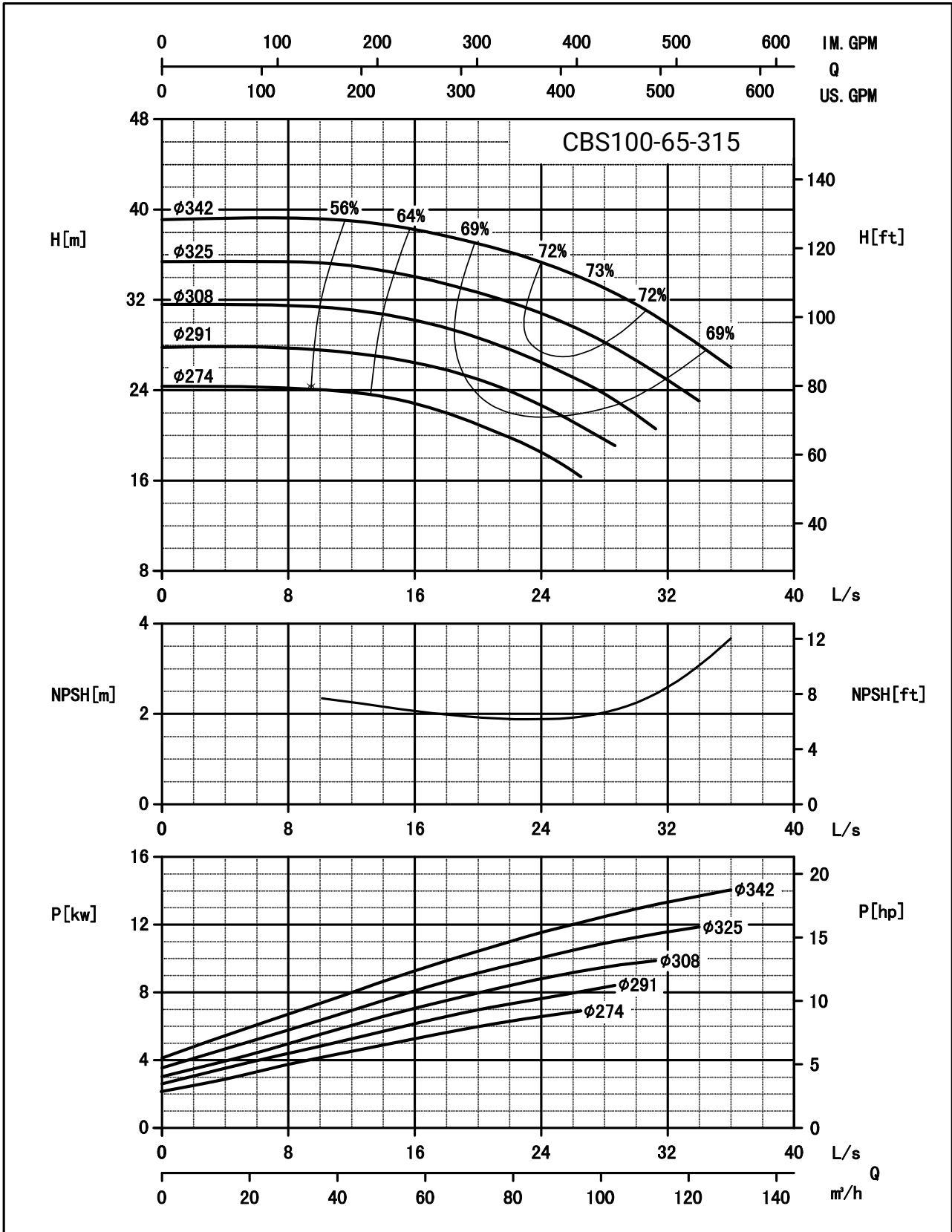
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1450 RPM



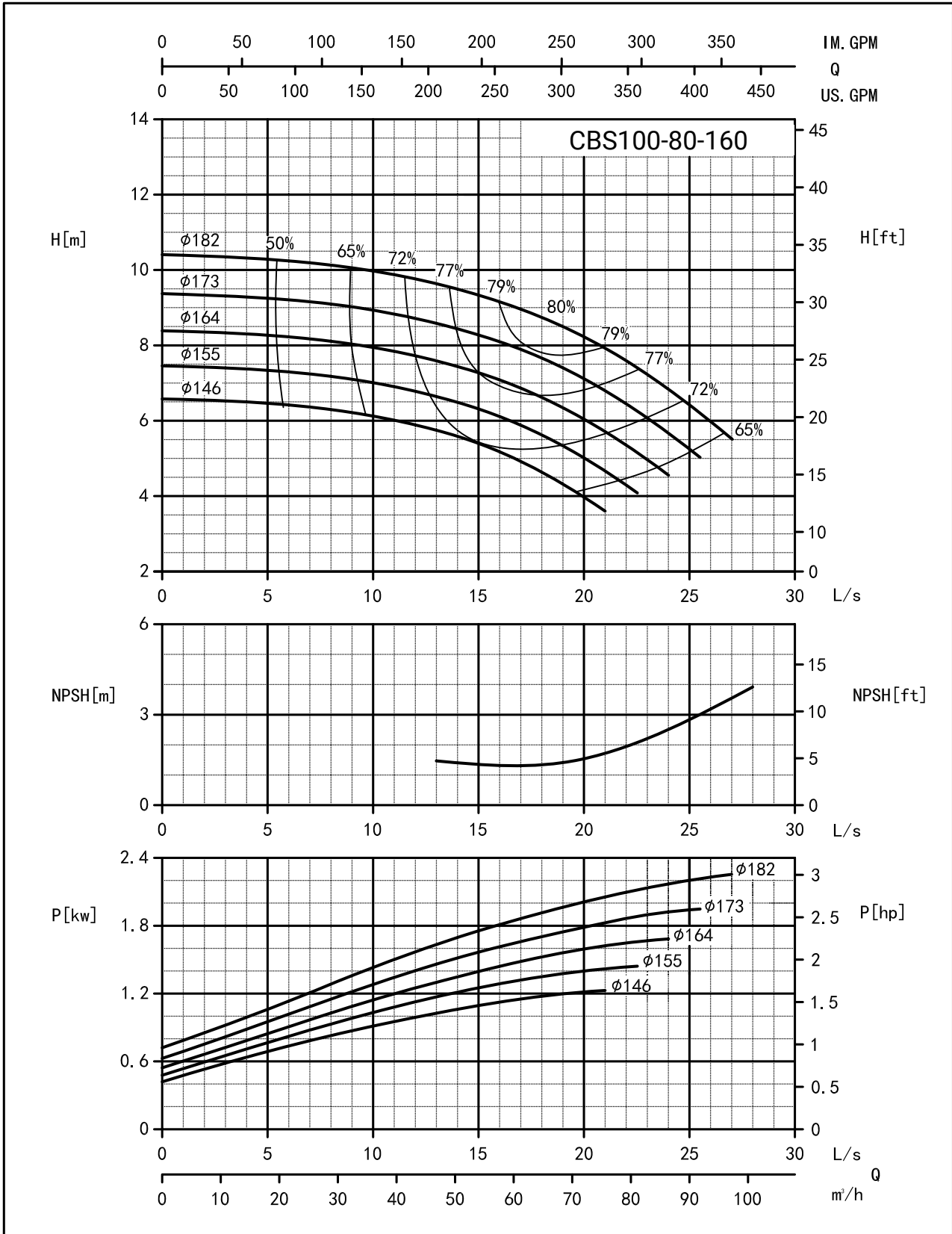
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1450 RPM



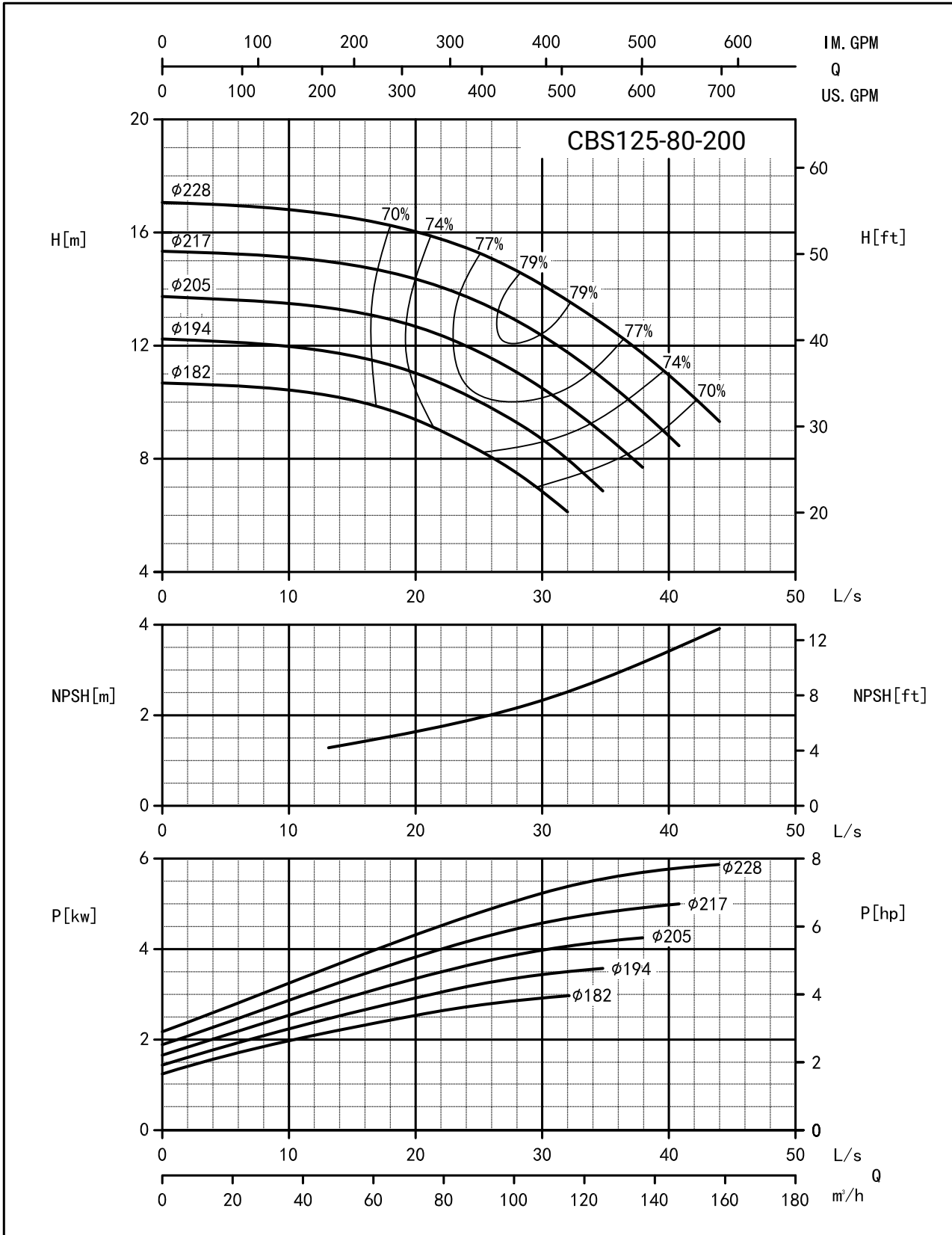
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1450 RPM



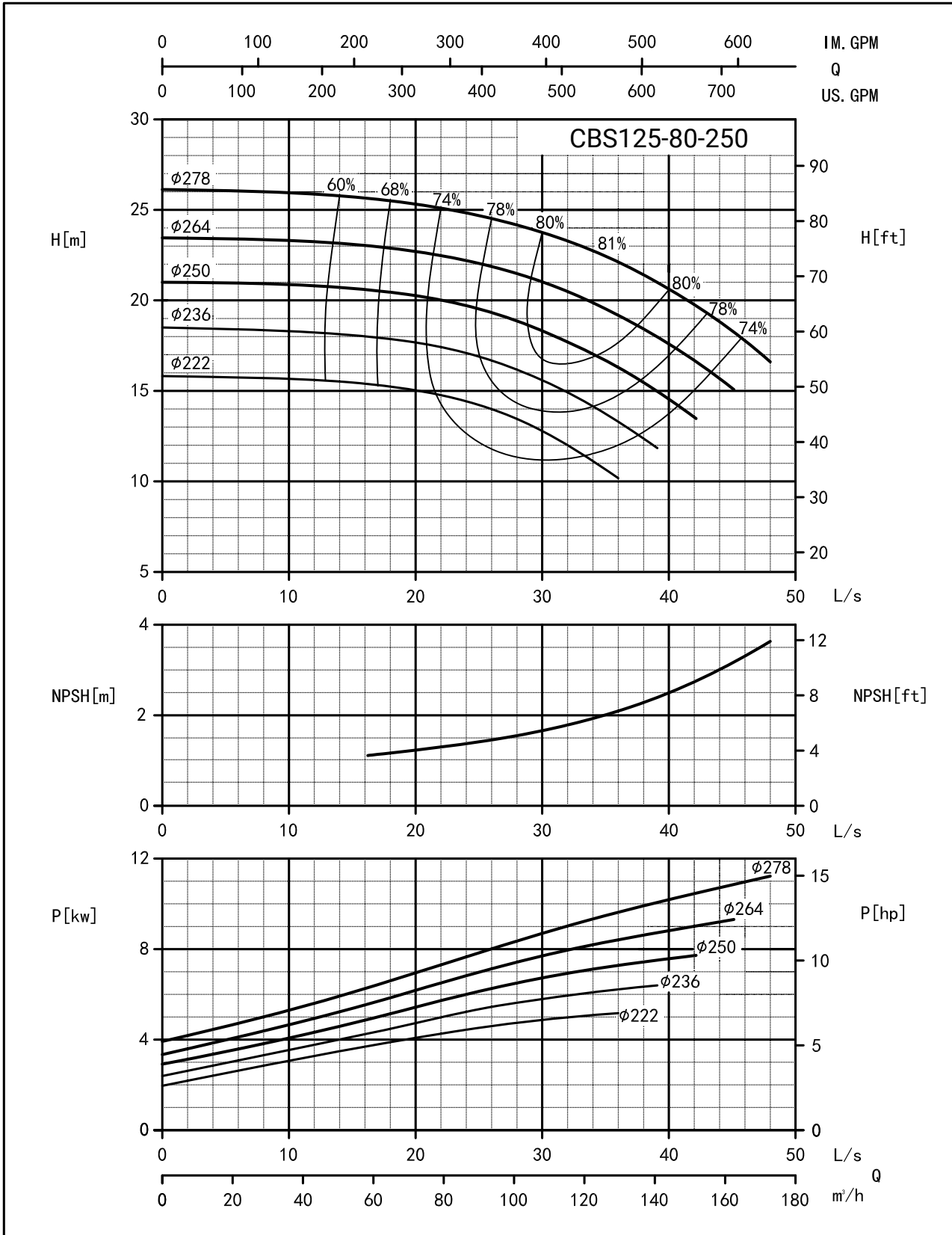
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1450 RPM



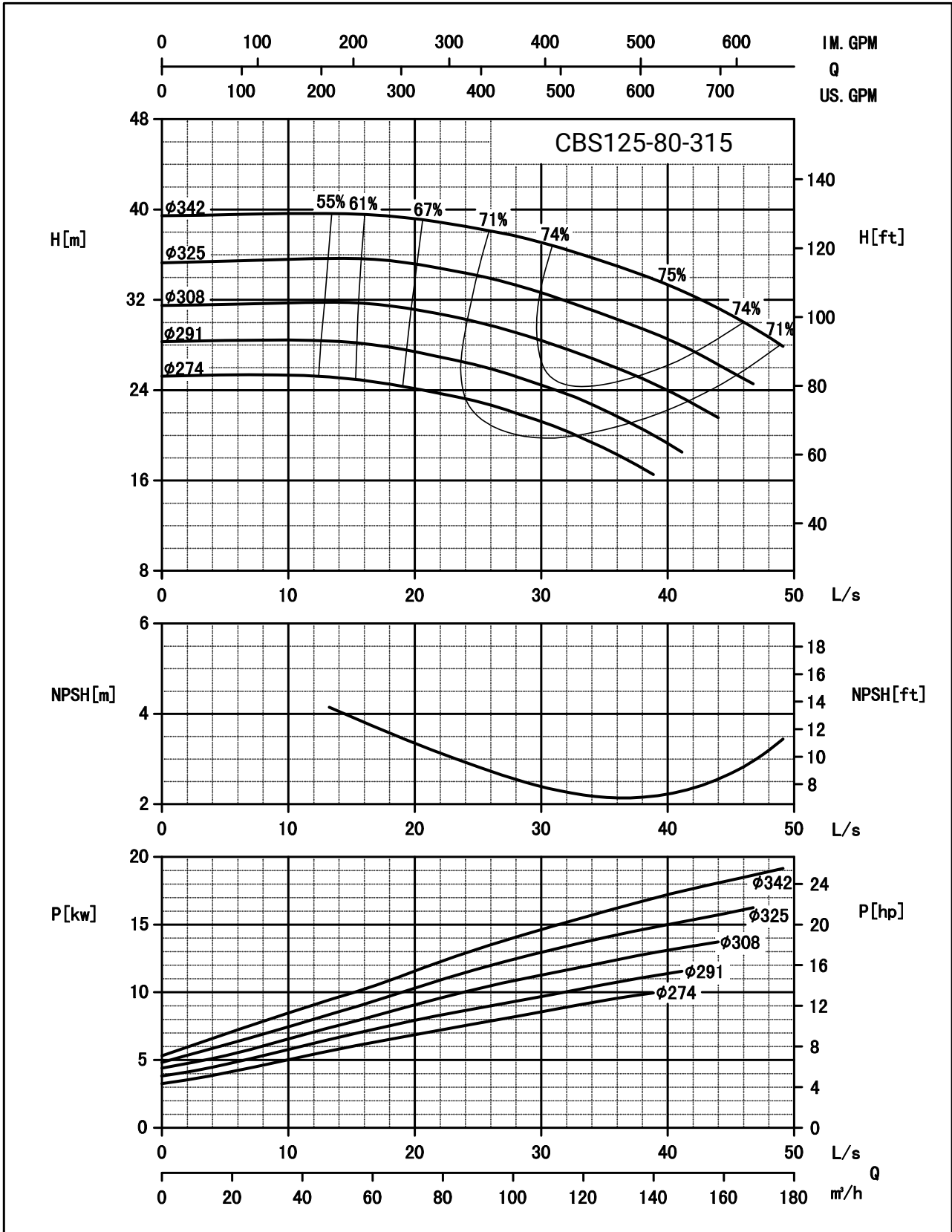
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1450 RPM



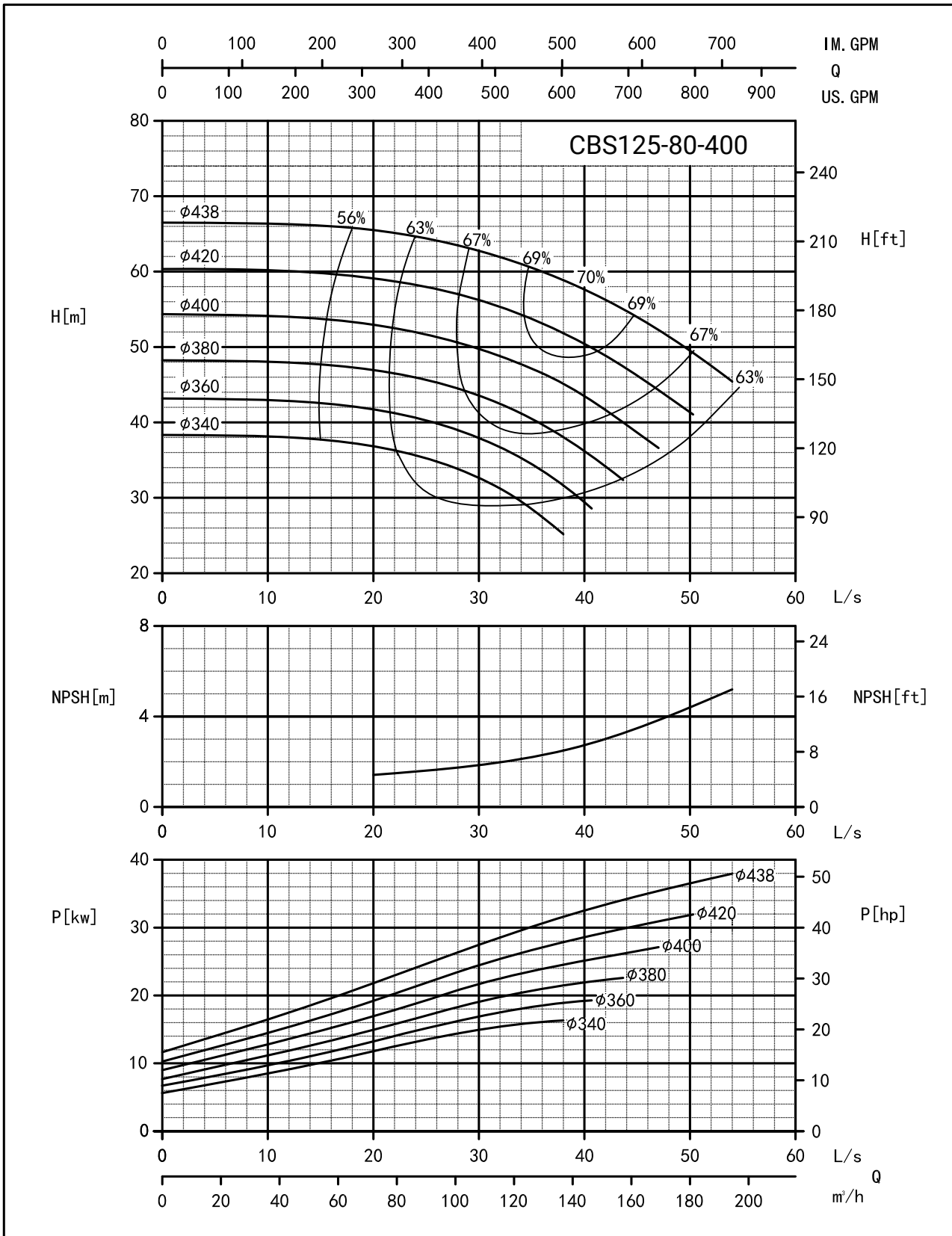
# CBS125-80-315

1450 RPM



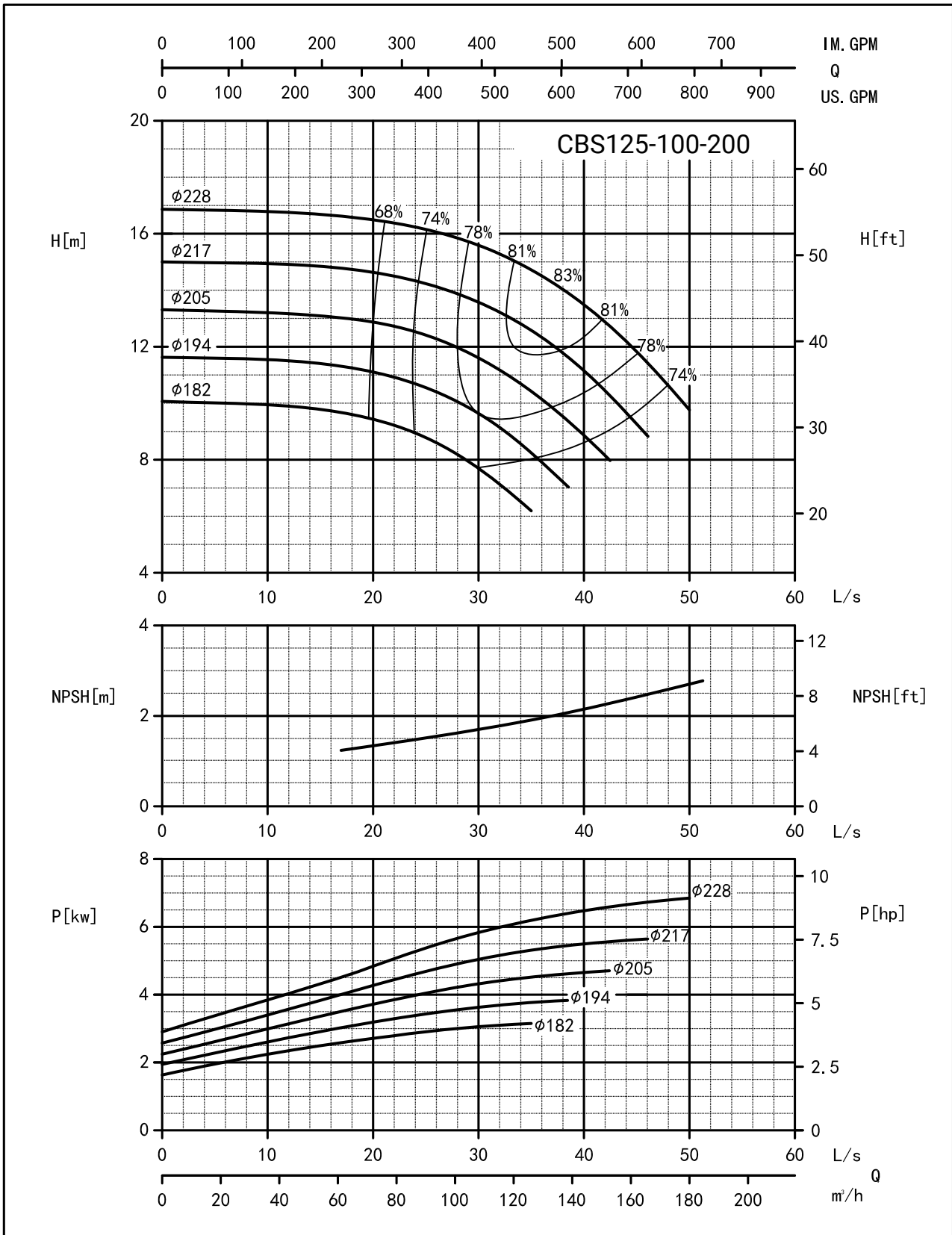
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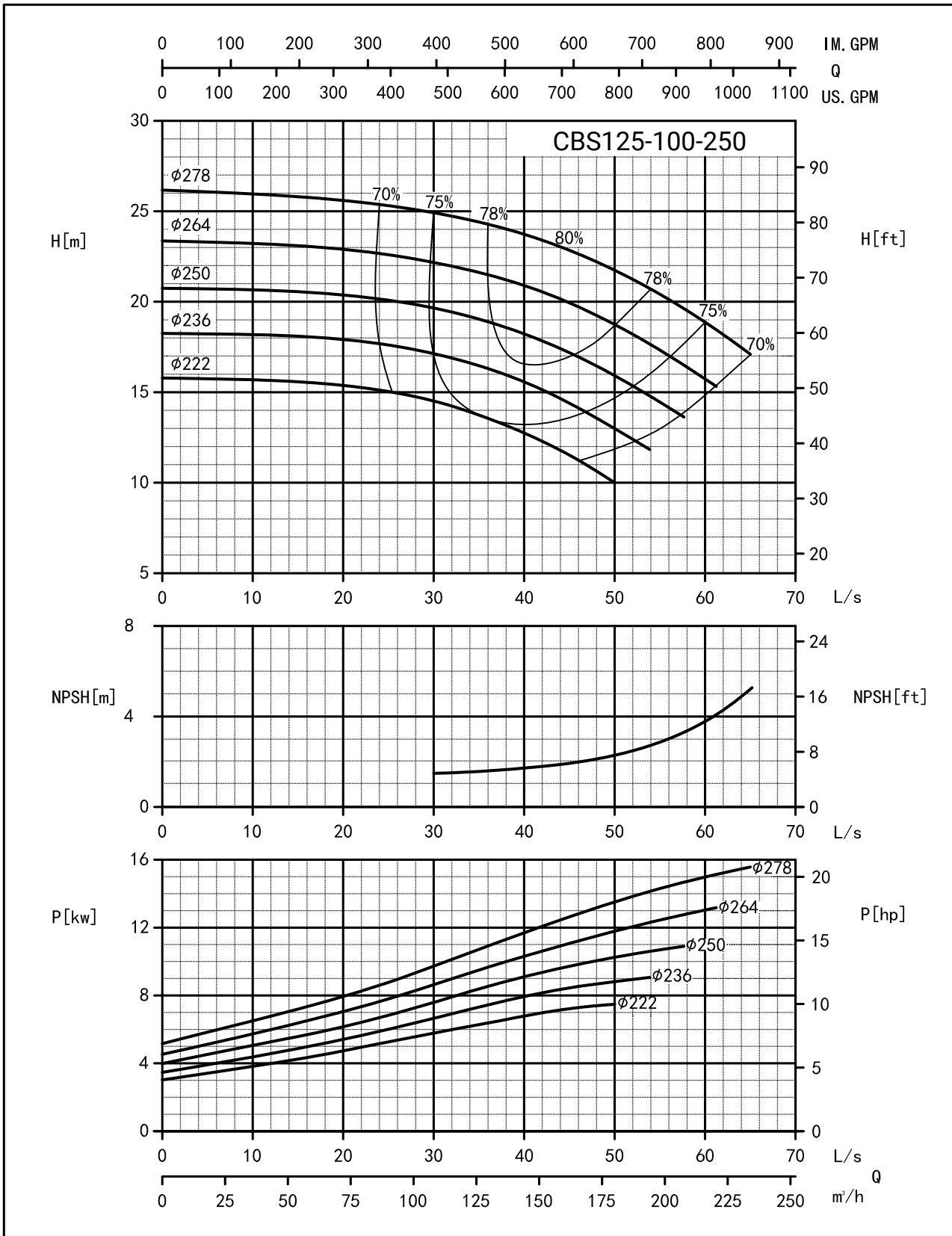


# CBS125-100-200

1450 RPM

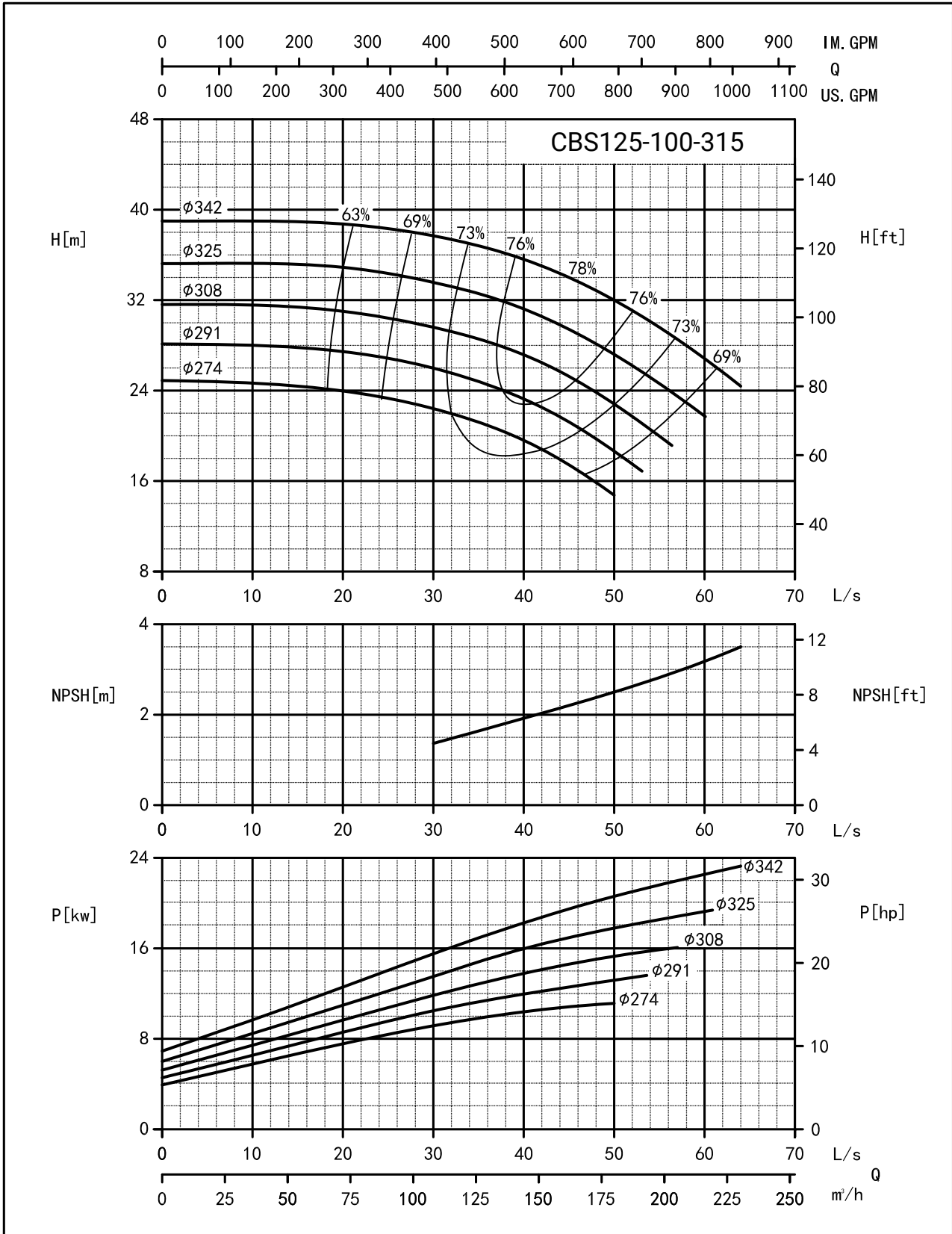


**CBS125-100-250**  
1450 RPM

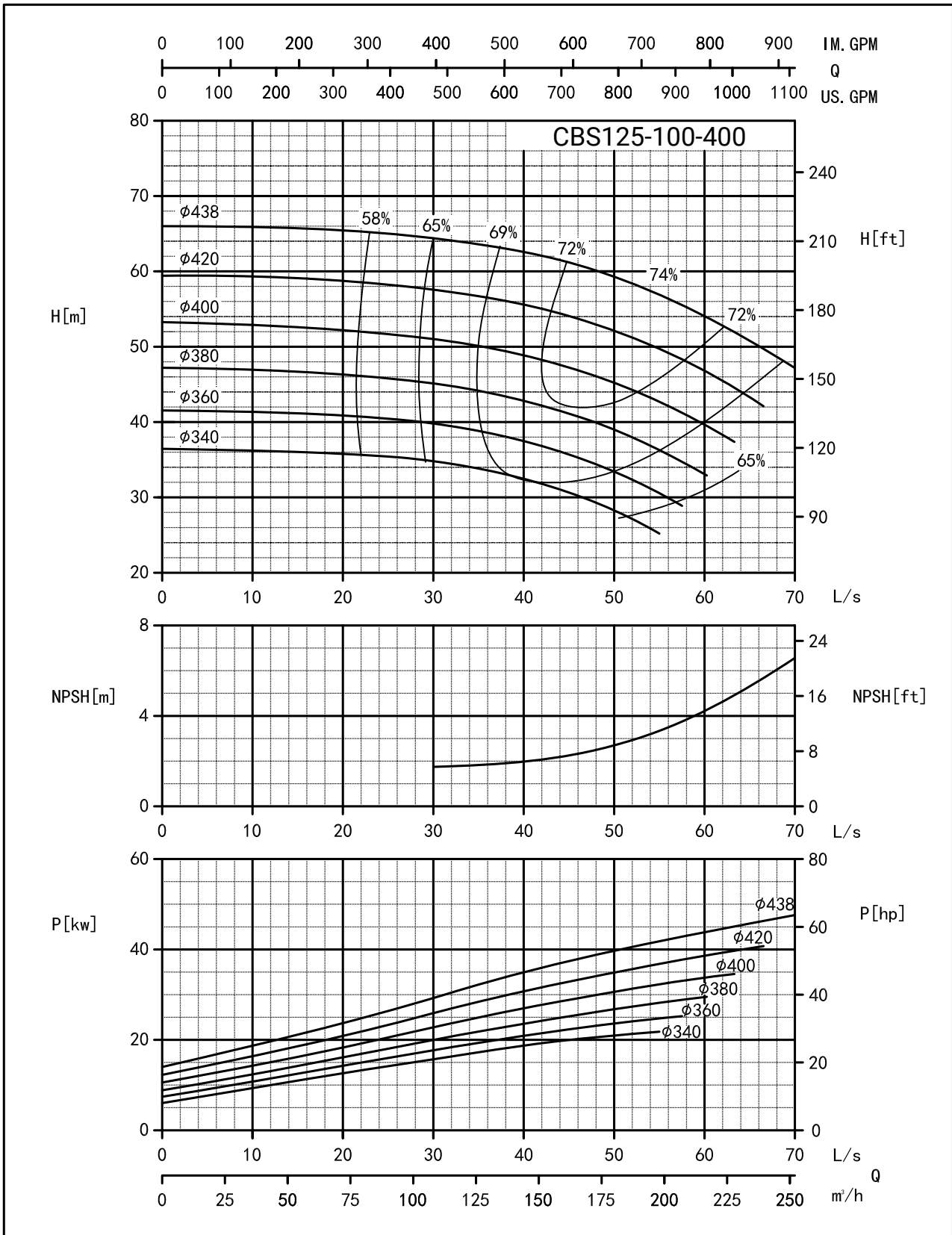


# CBS125-100-315

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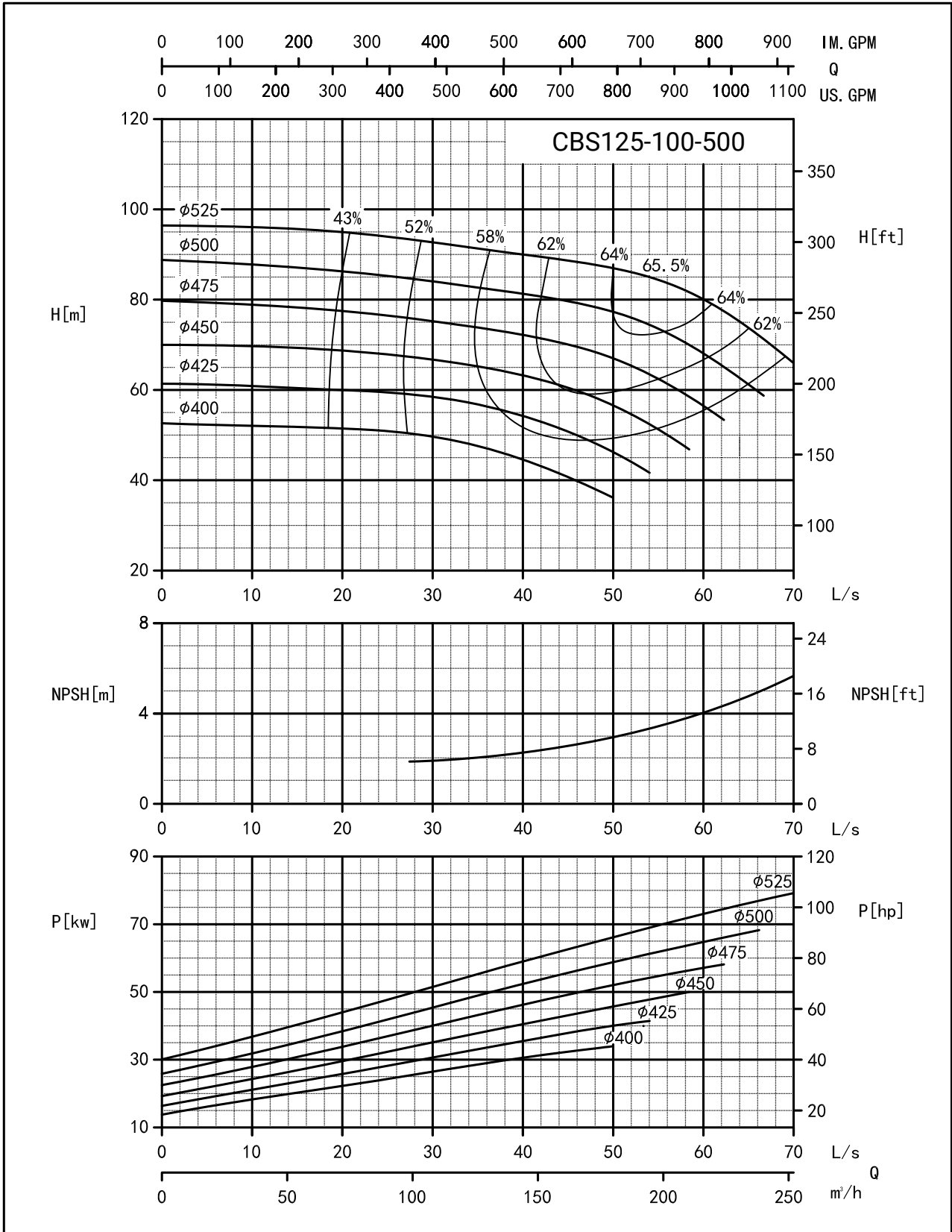


**CBS125-100-400**  
1450 RPM

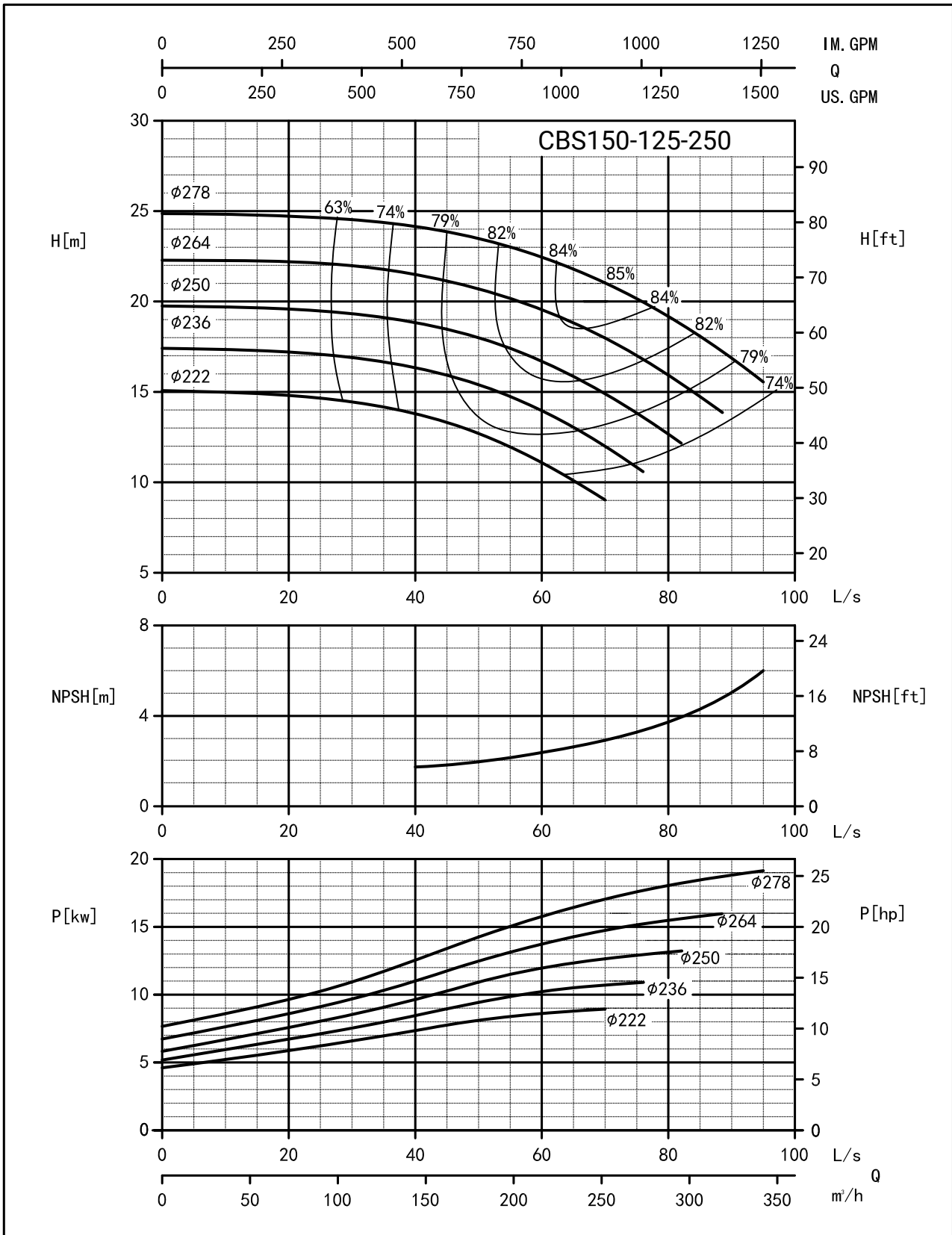


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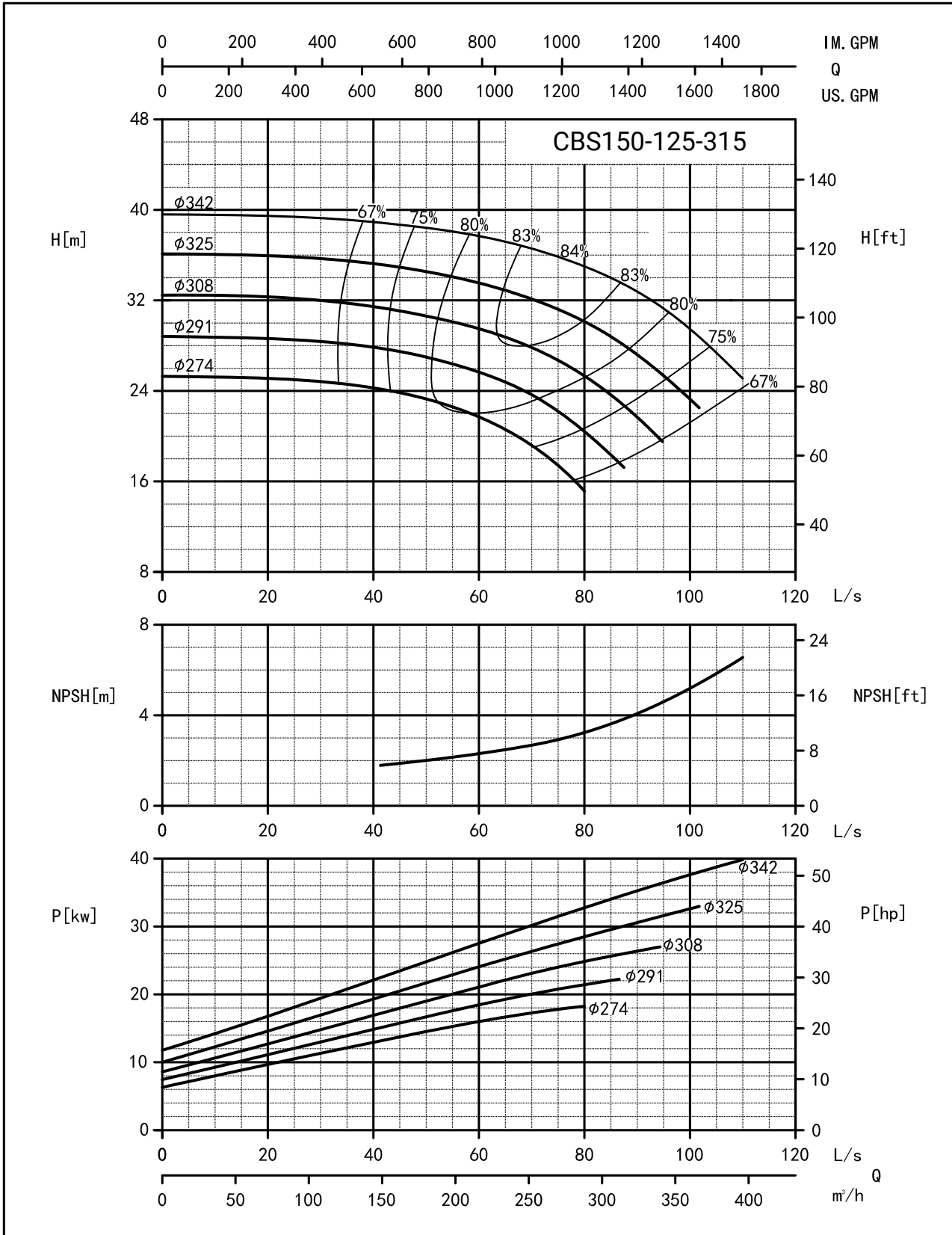


**CBS150-125-250**  
1450 RPM



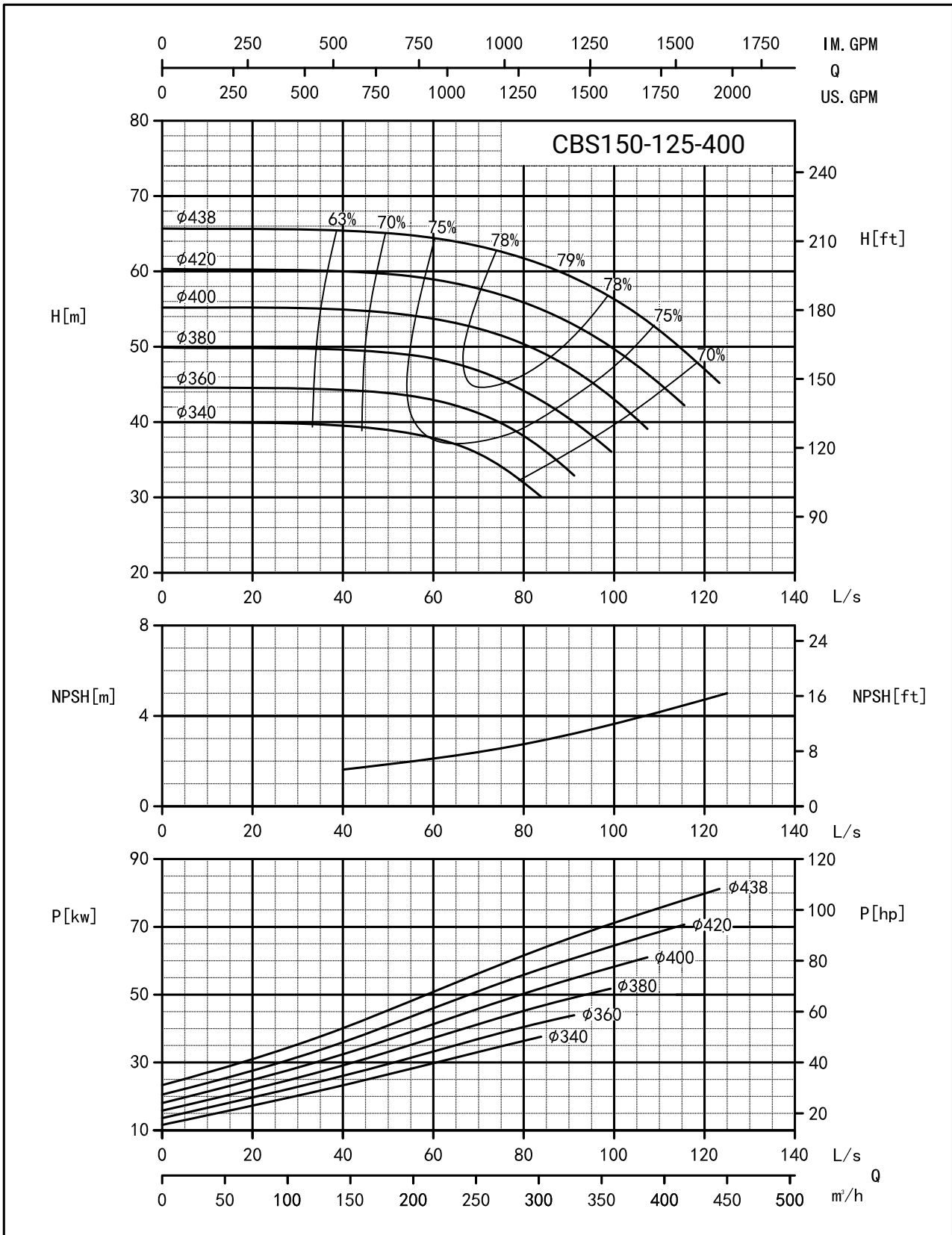
# CBS150-125-315

1450 RPM



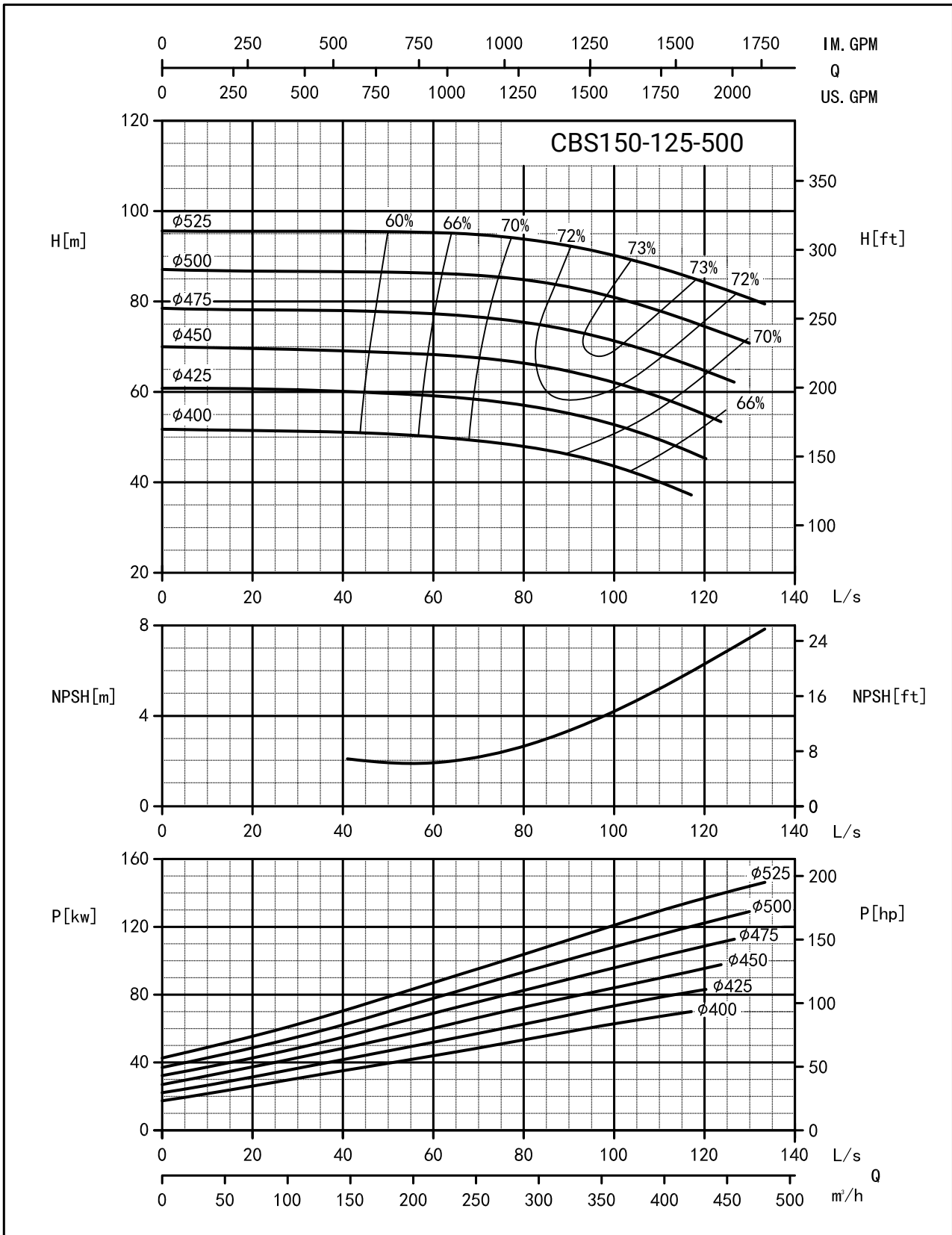
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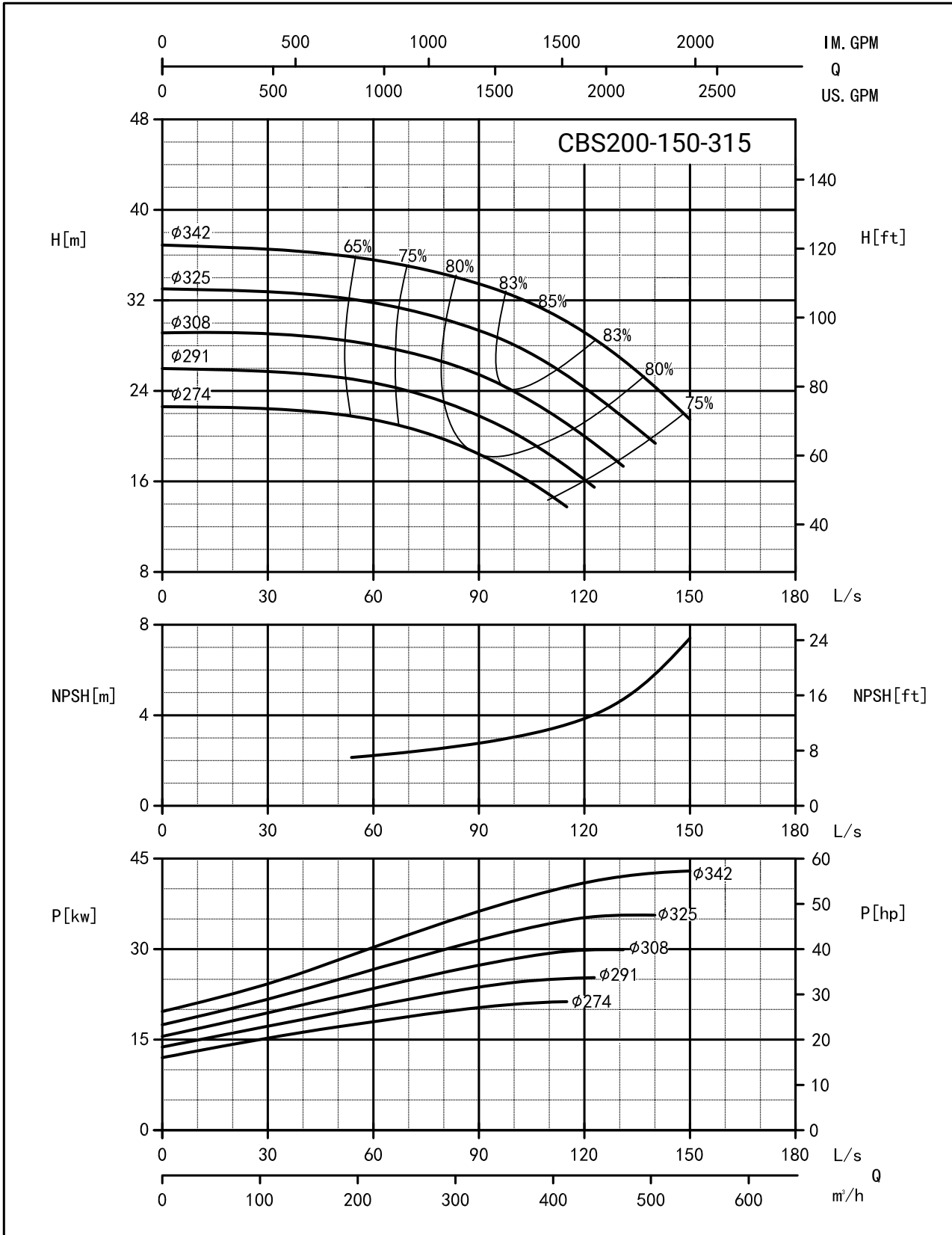
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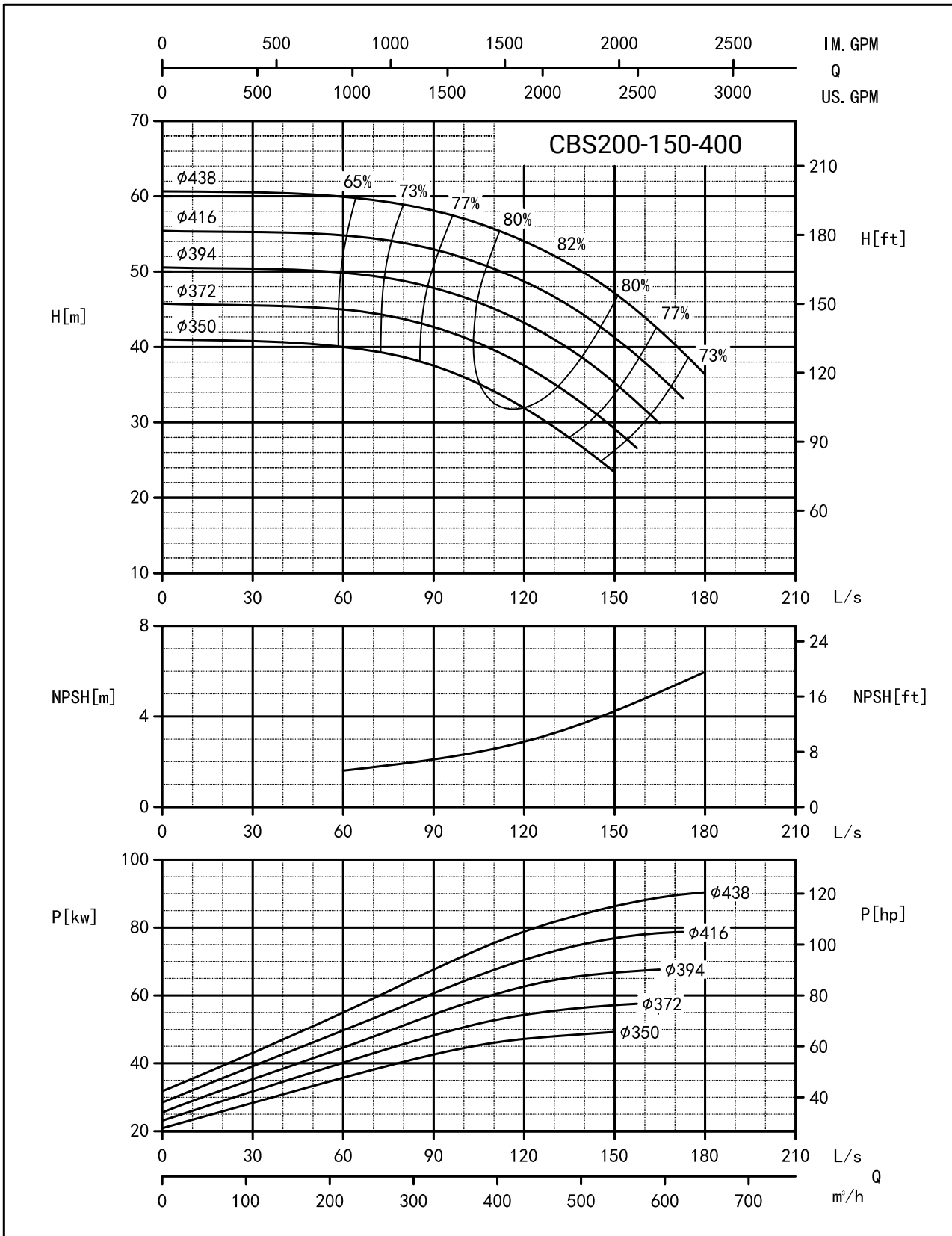
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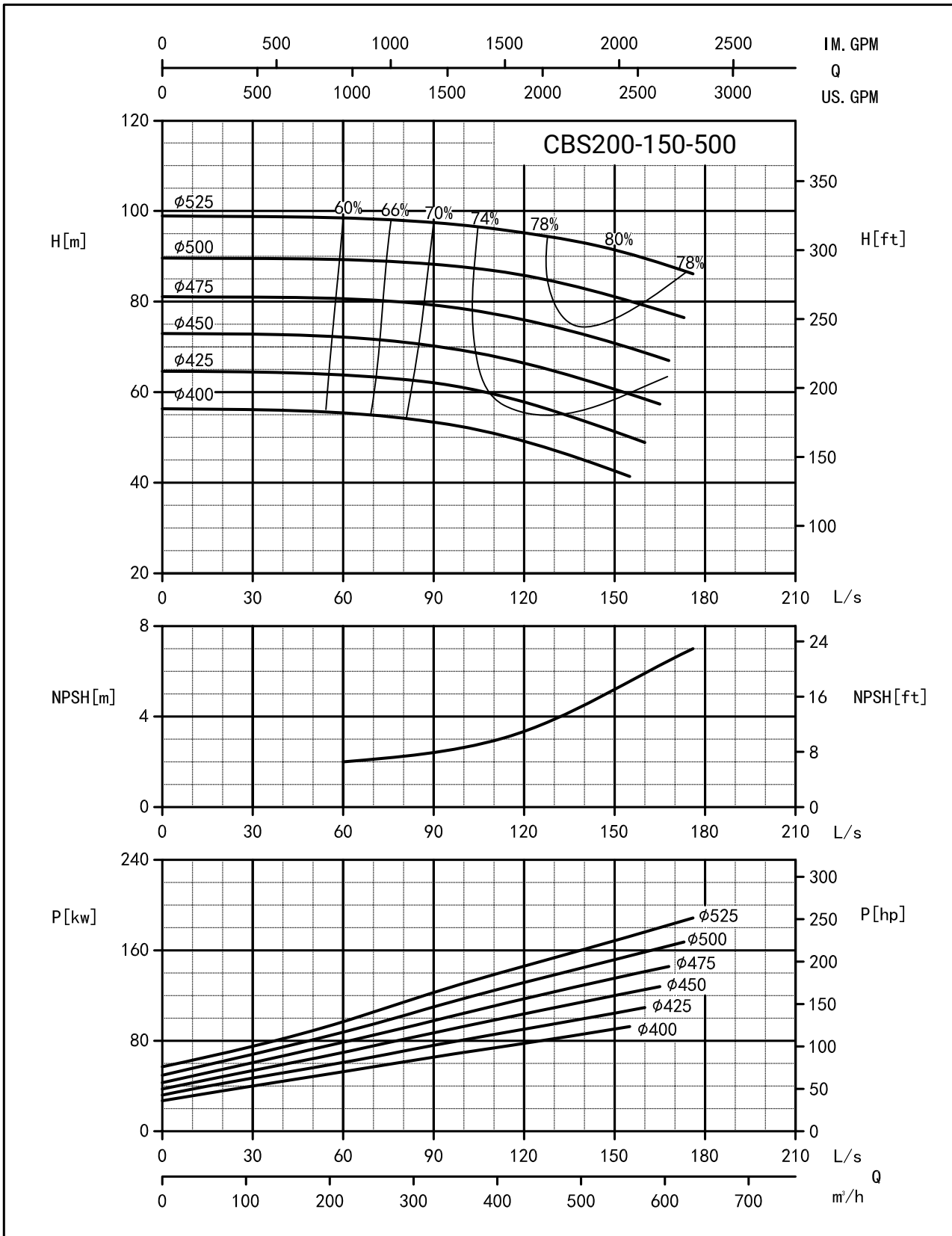
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1450 RPM



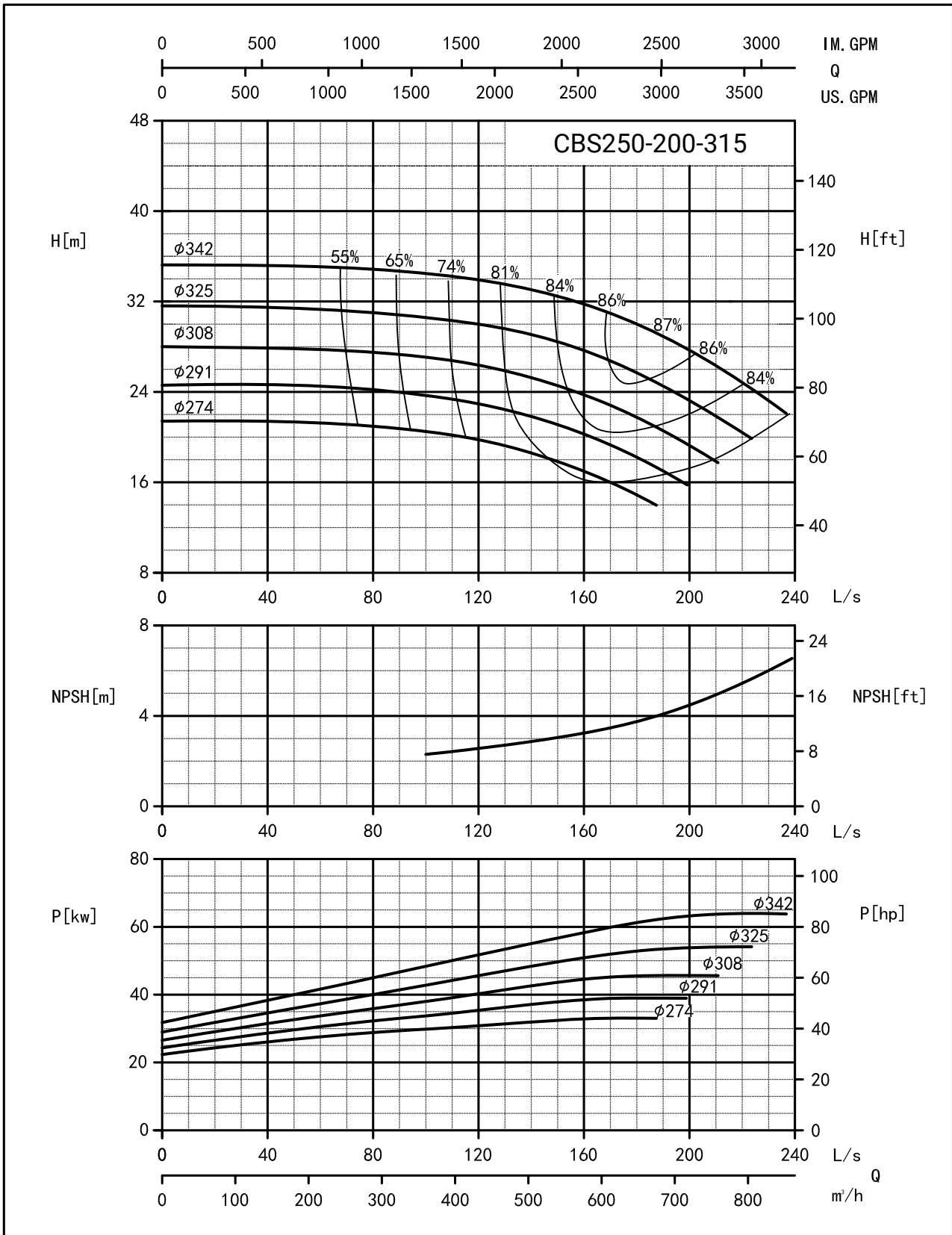
# CBS200-150-500

1450 RPM



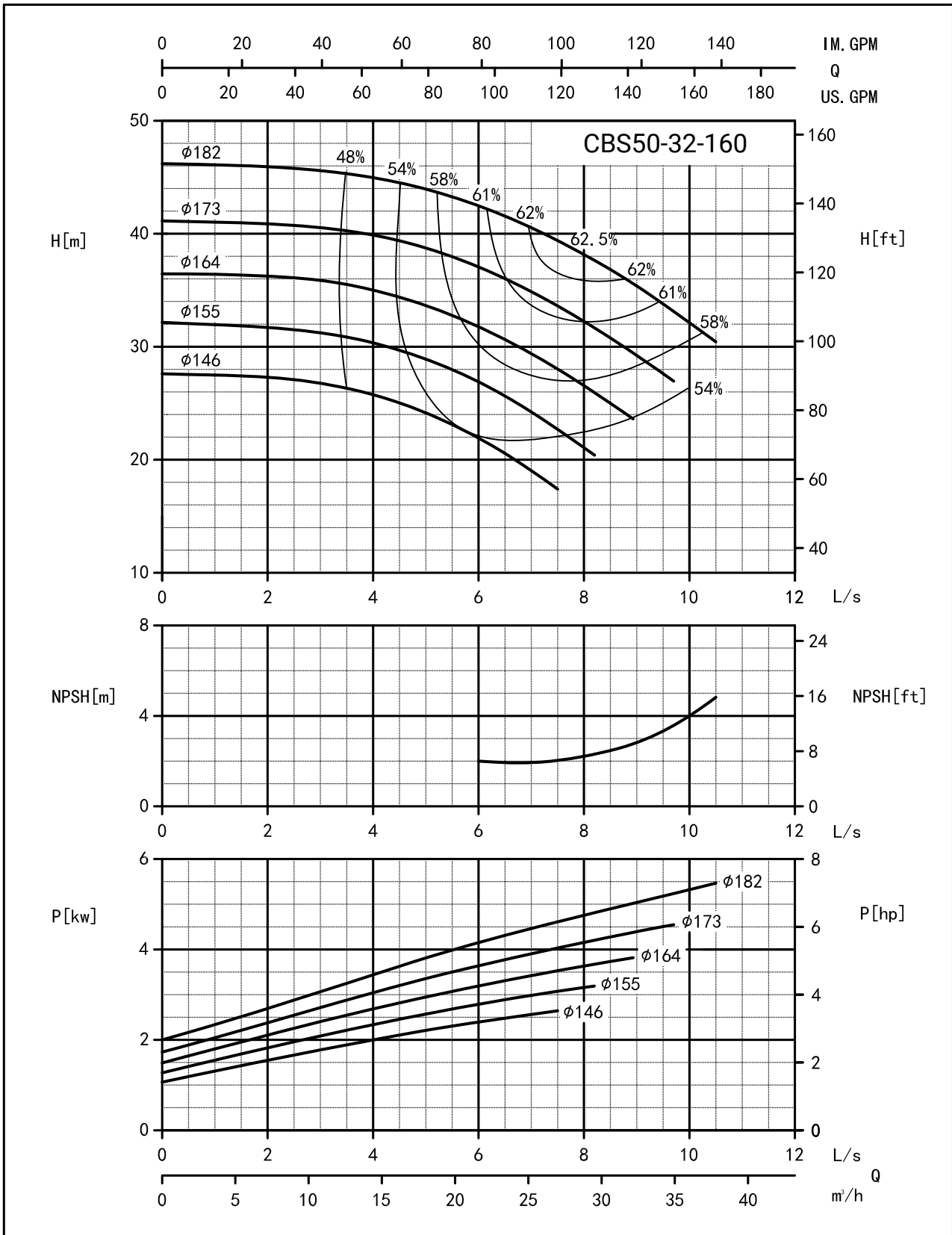
# CBS250-200-315

1450 RPM

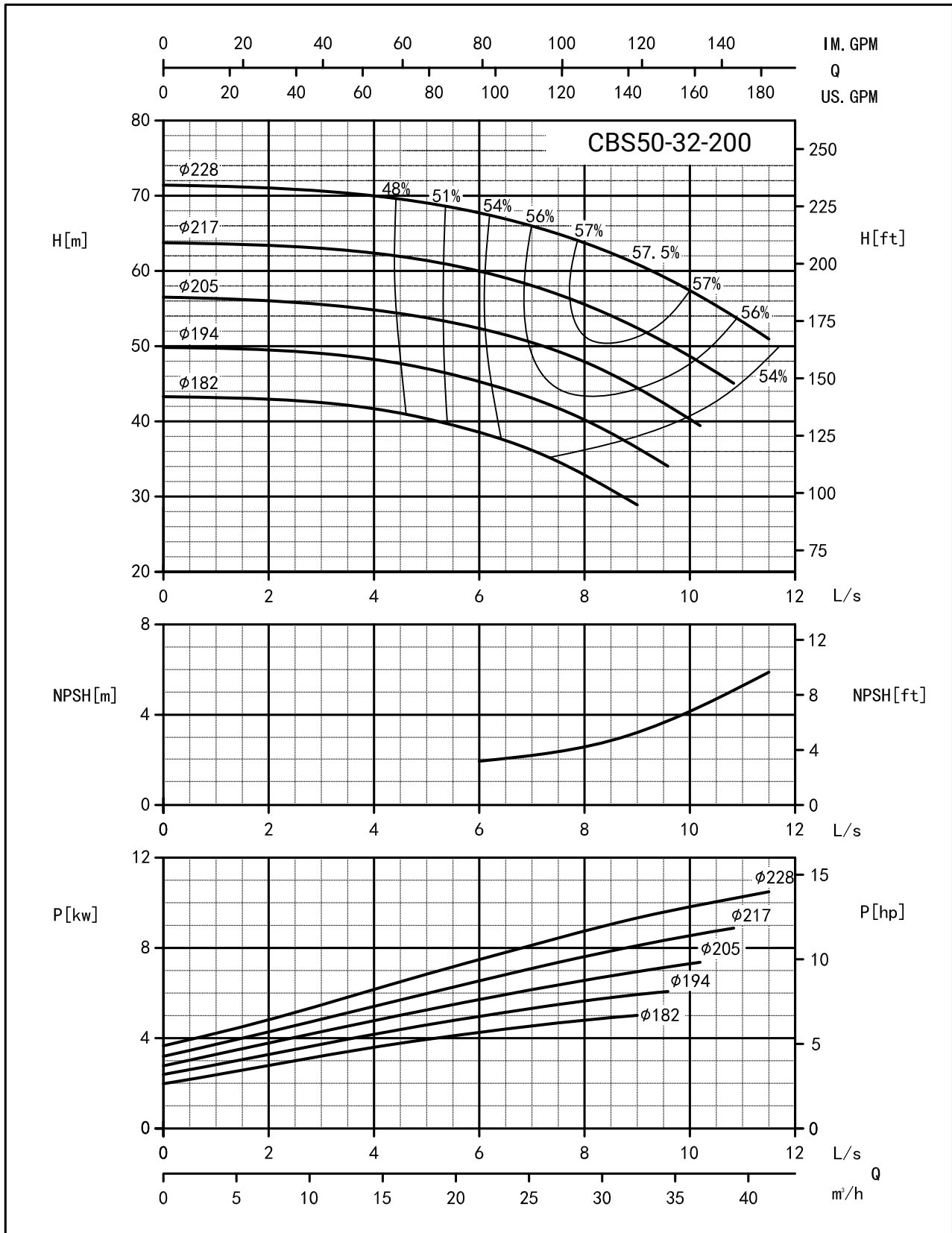


# CBS50-32-160

2900 RPM

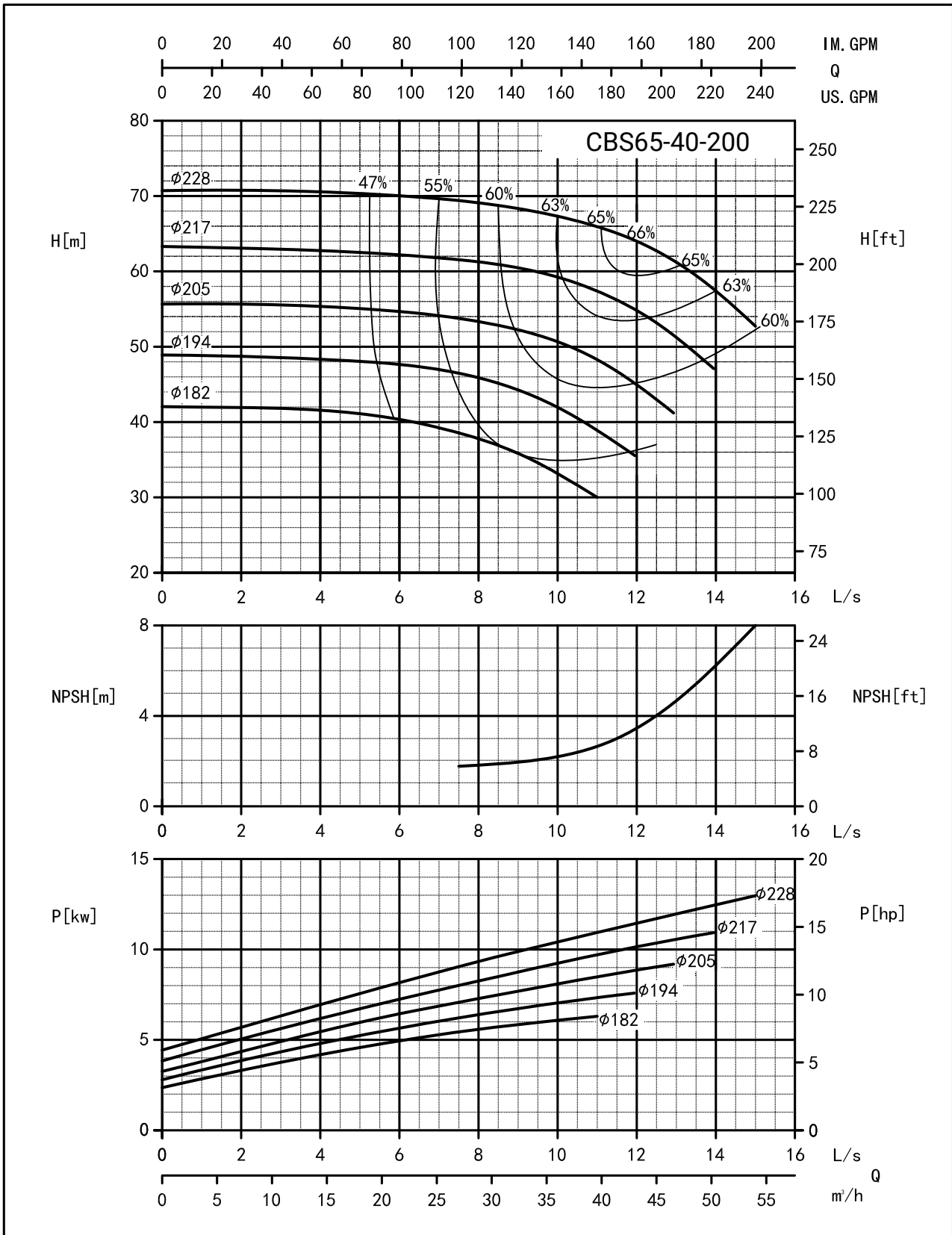


**CBS50-32-200**  
2900 RPM



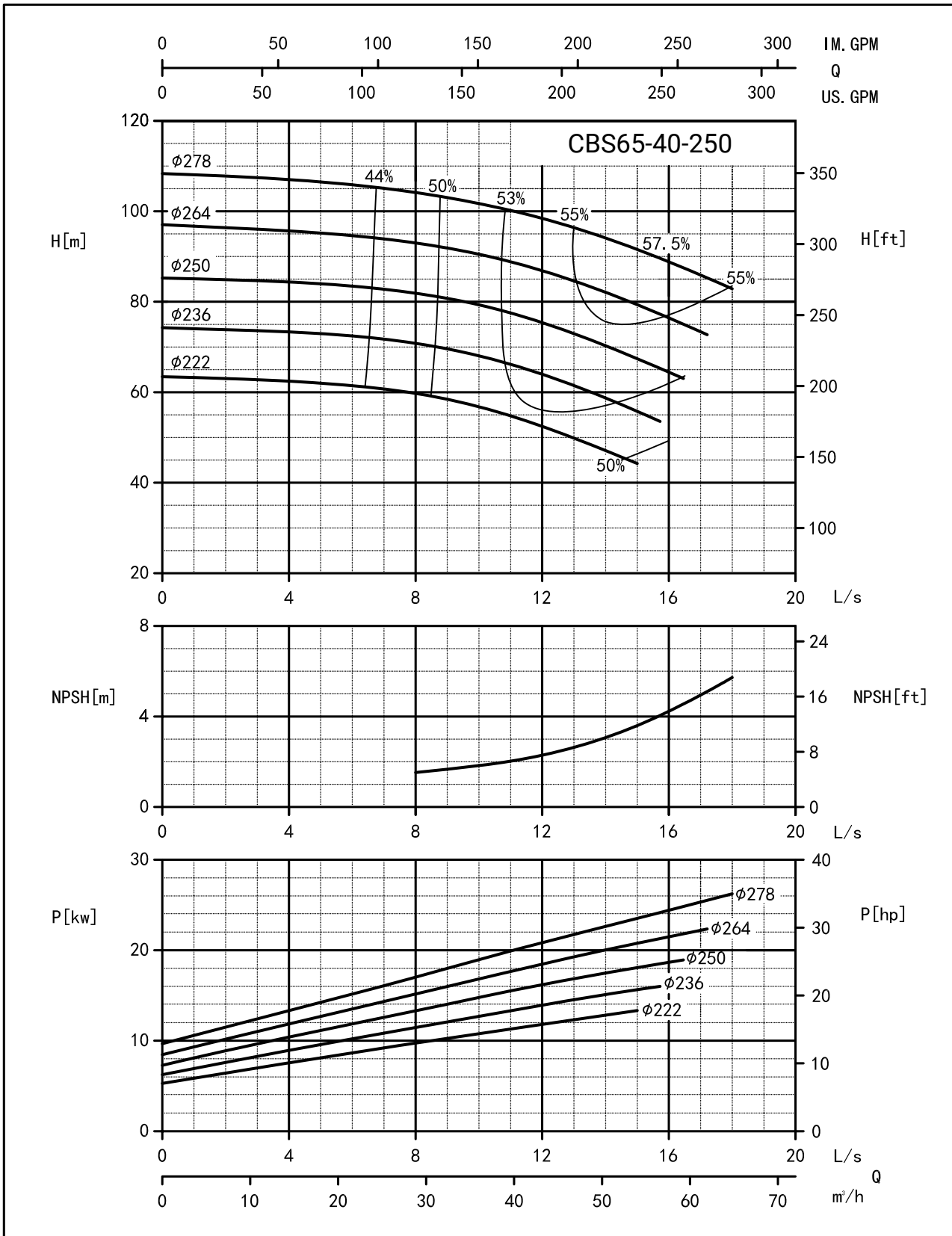
# CBS65-40-200

2900 RPM



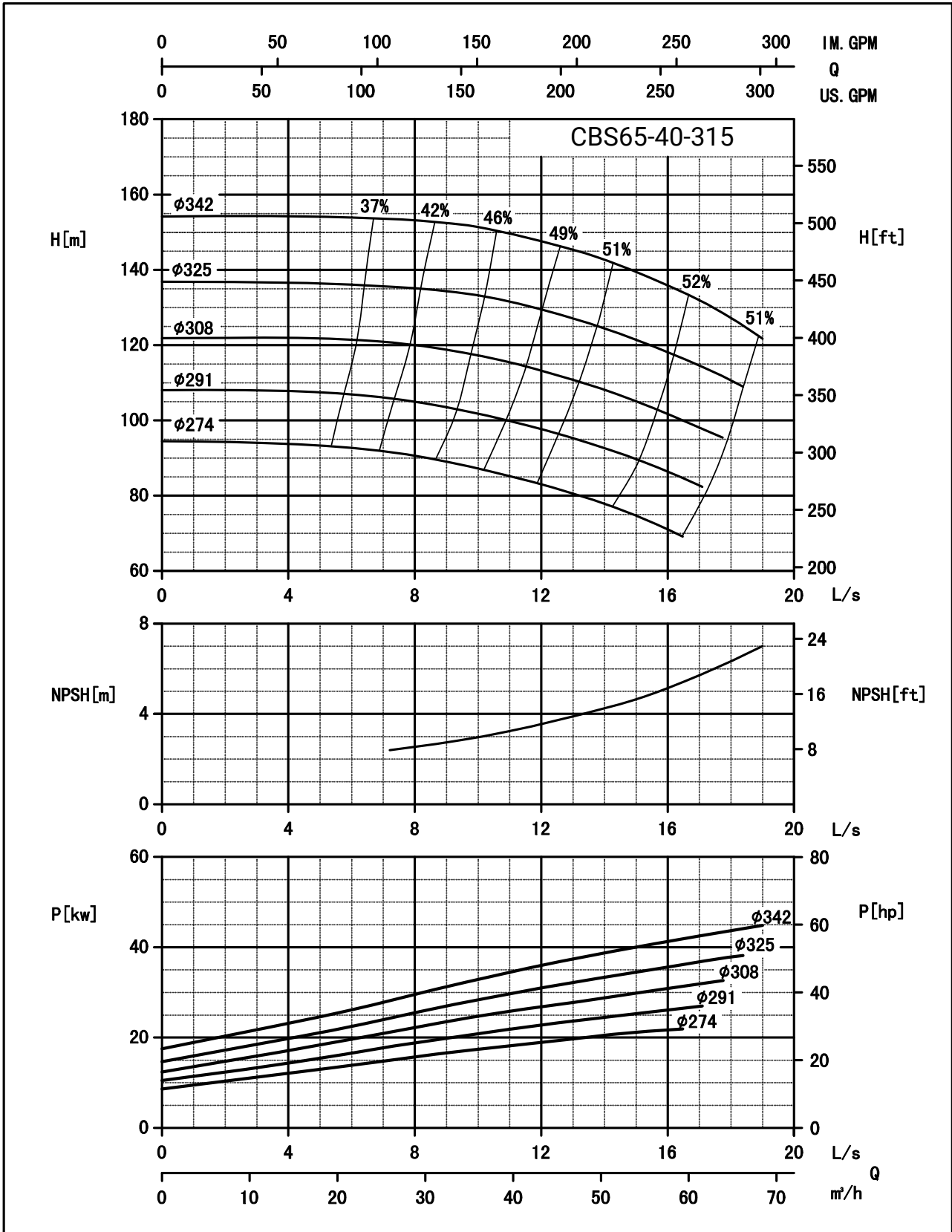
# CBS65-40-250

2900 RPM



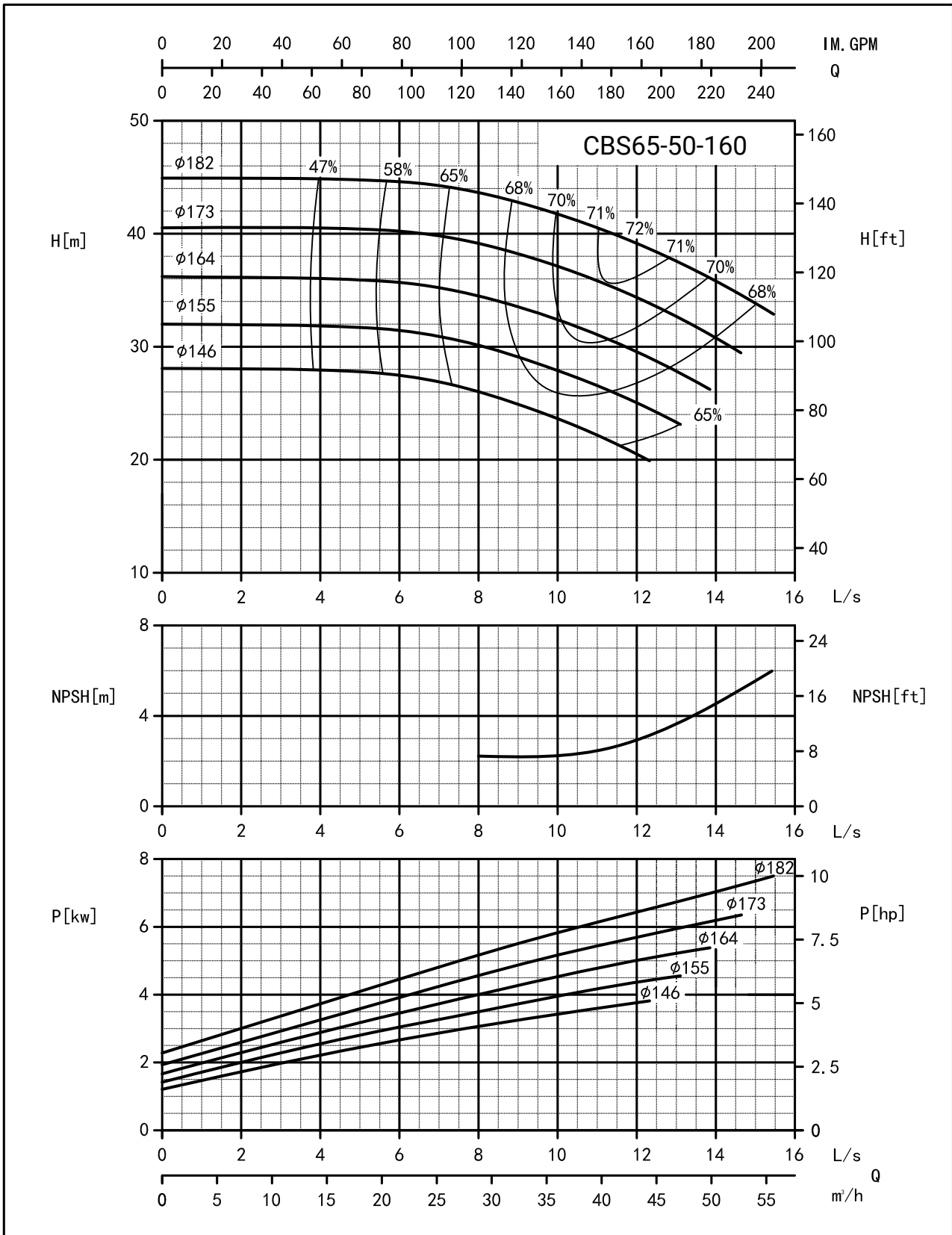
# CBS65-40-315

2900 RPM



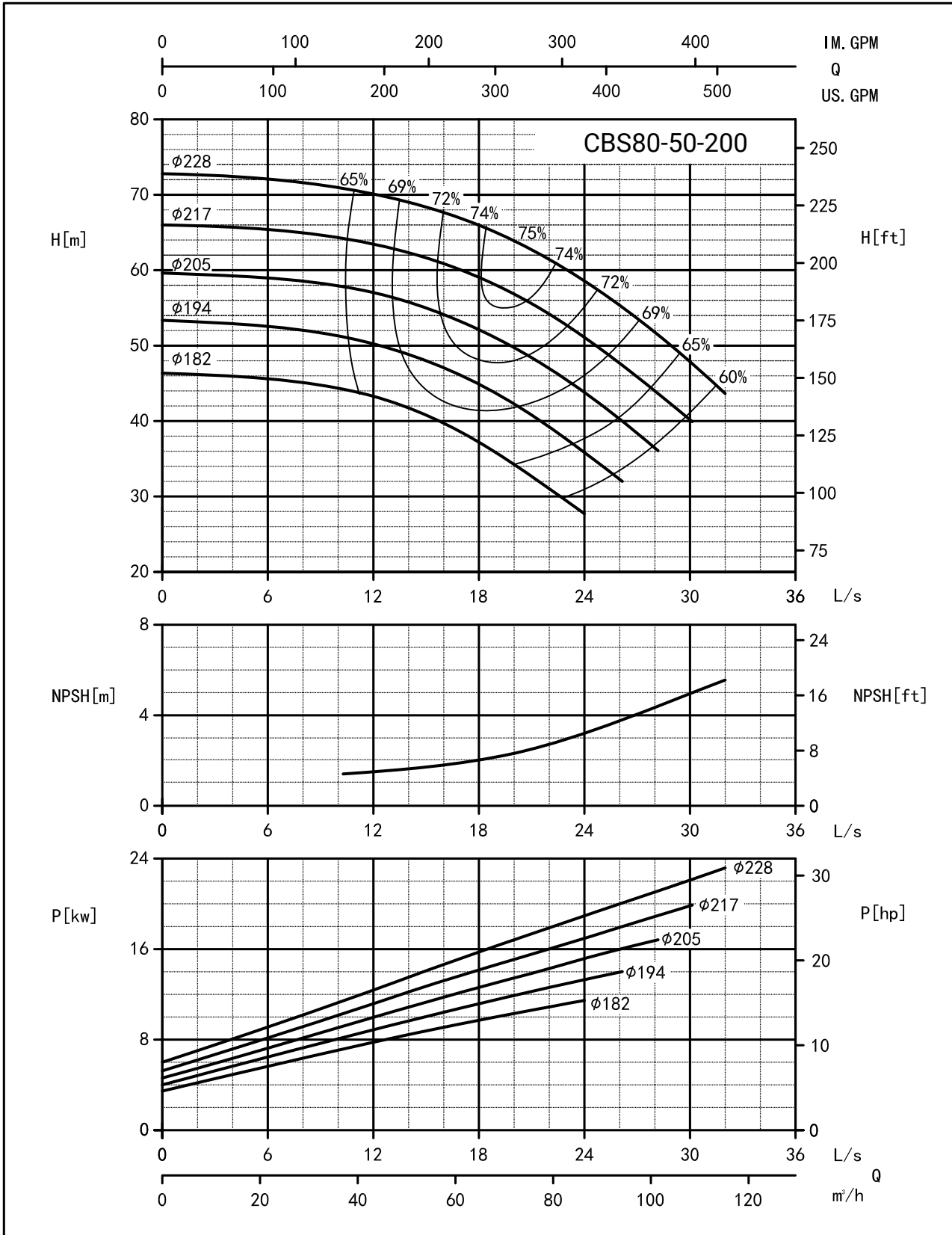
# CBS65-50-160

2900 RPM



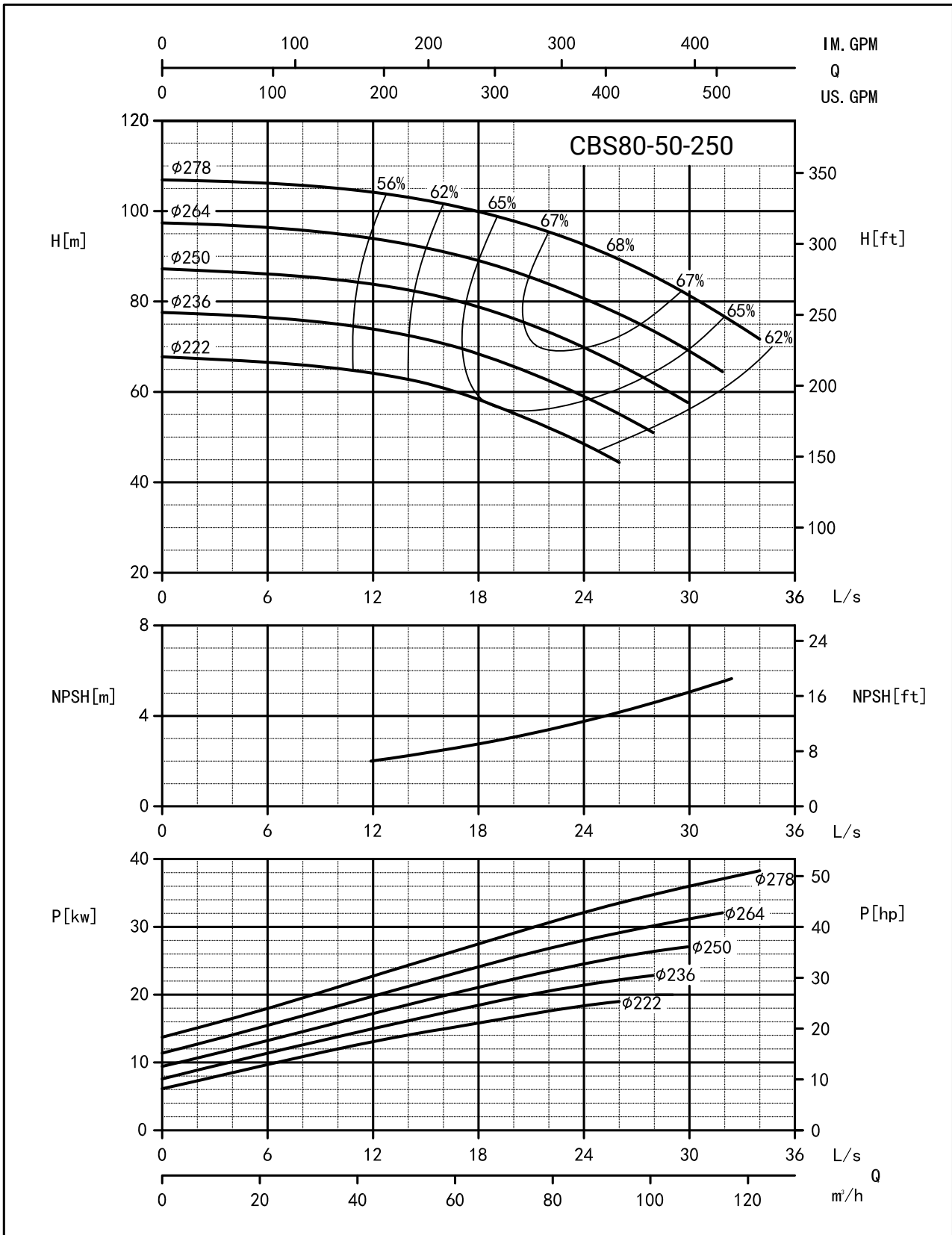
# CBS80-50-200

2900 RPM

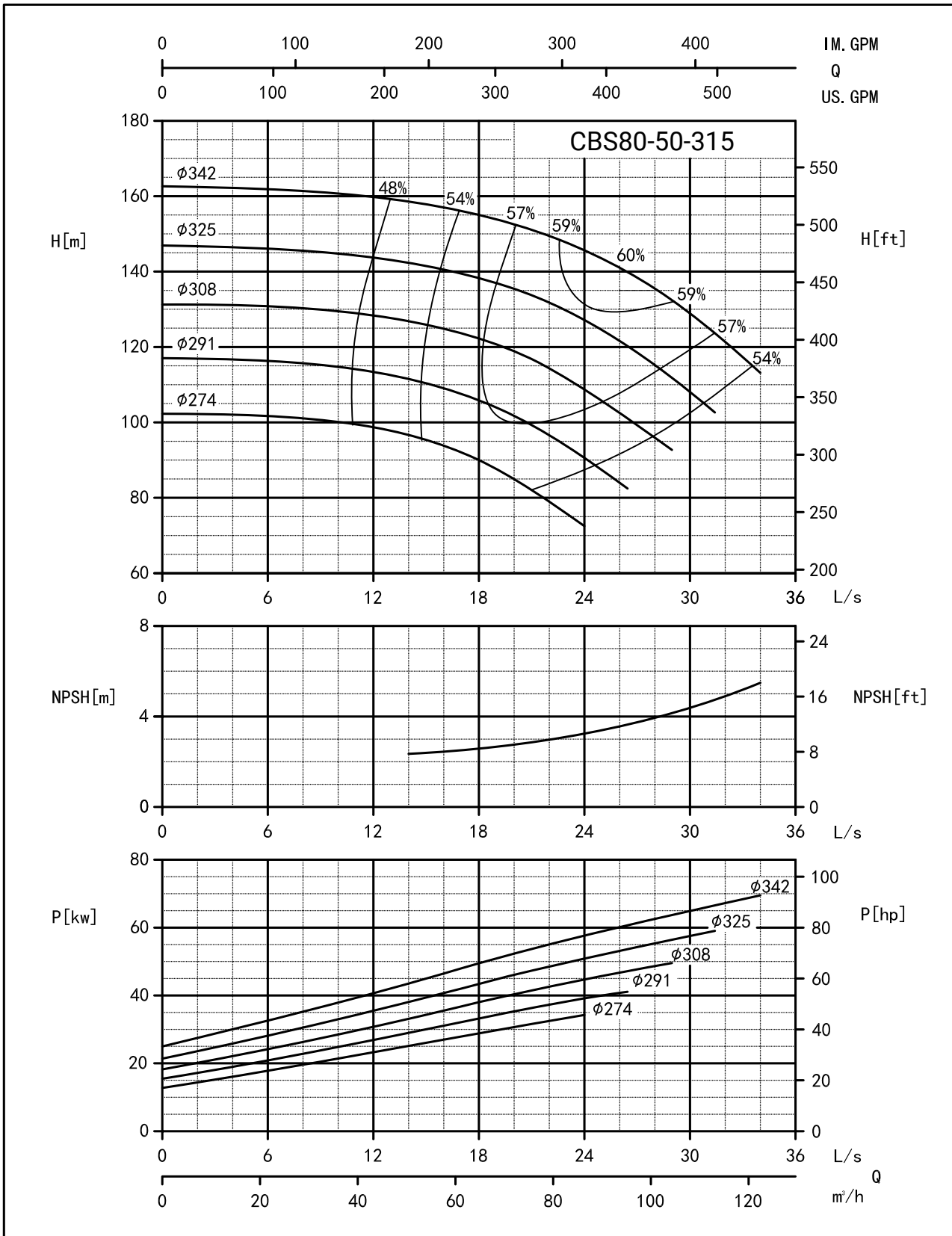


# CBS80-50-250

2900 RPM

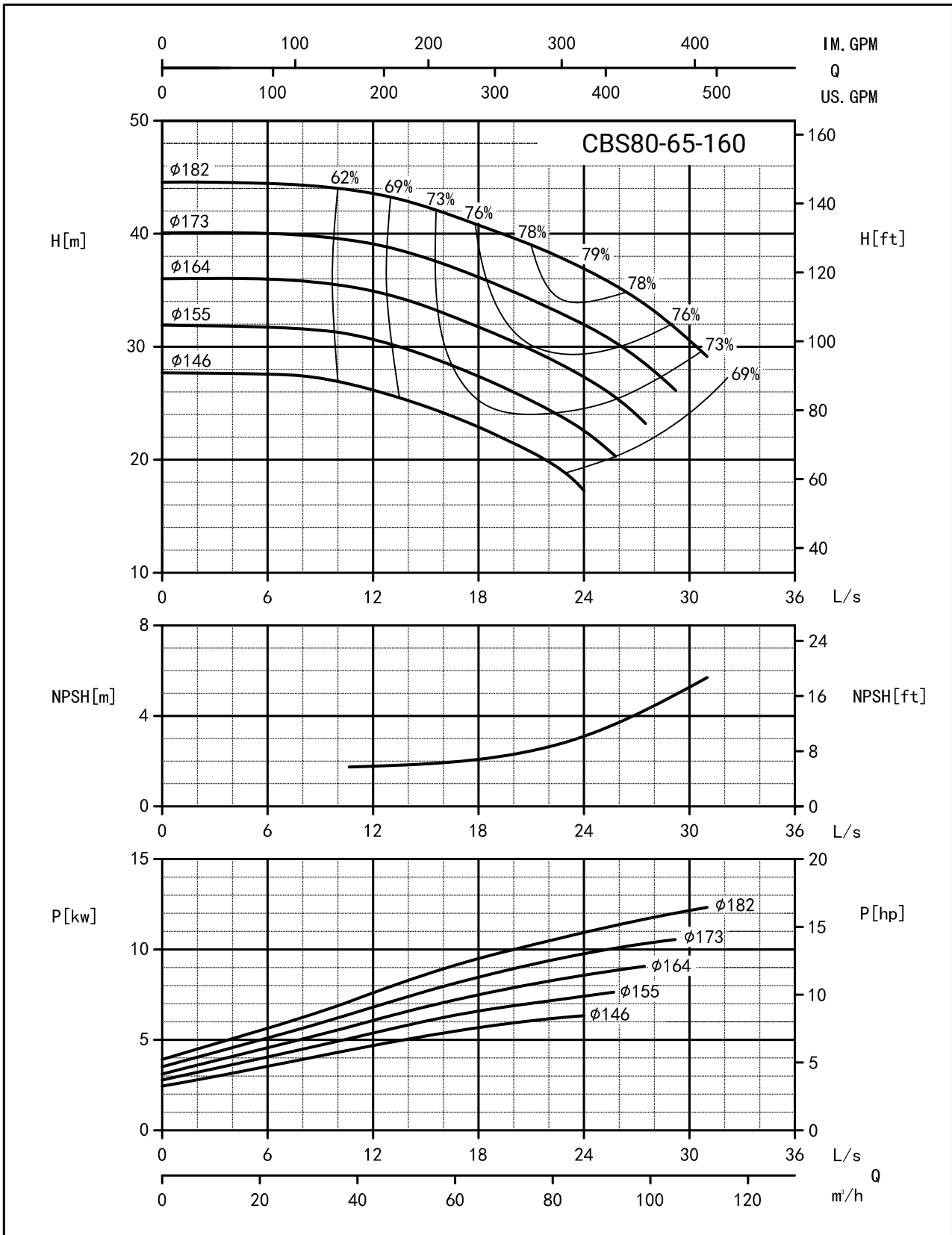


**CBS80-50-315**  
2900 RPM



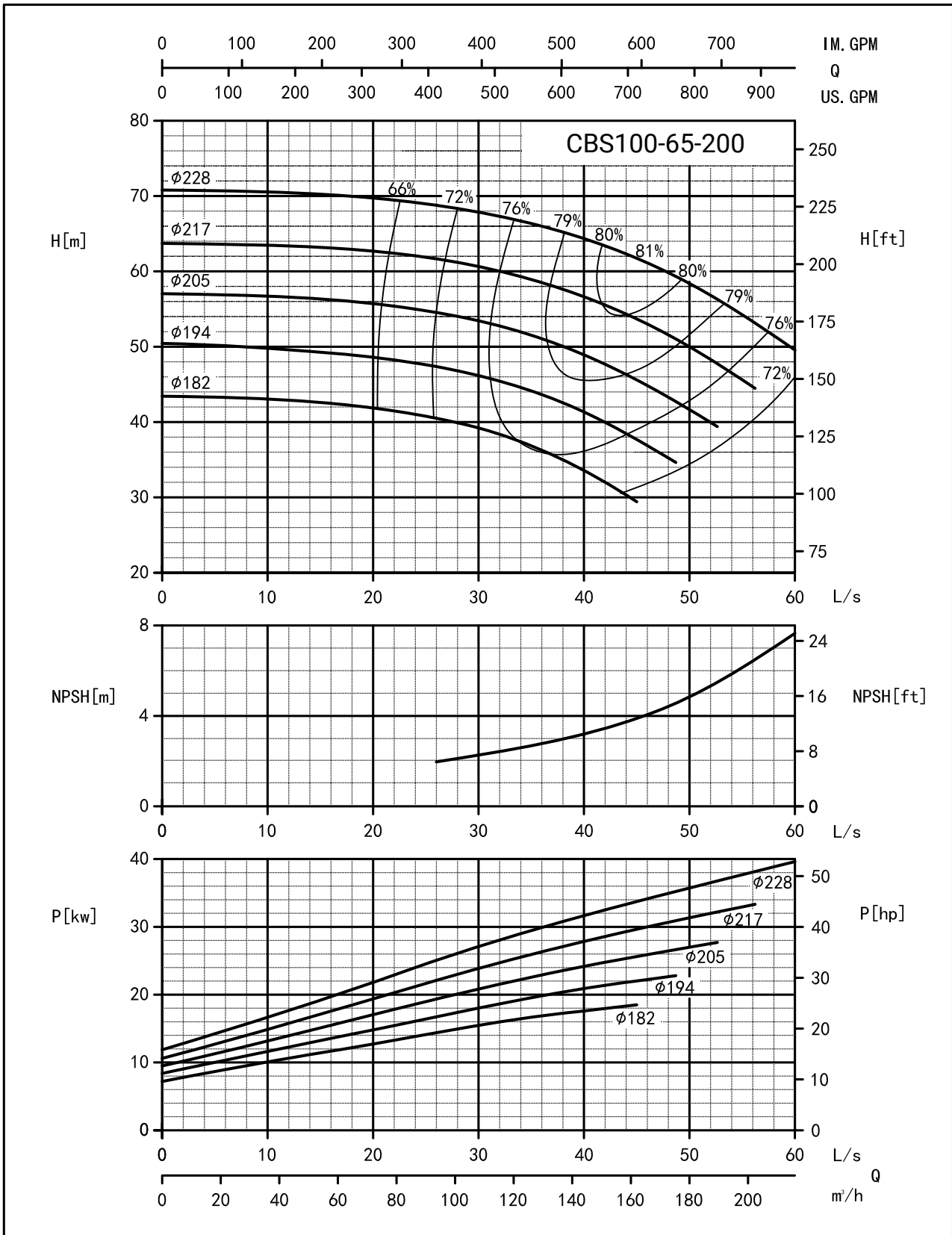
# CBS80-65-160

2900 RPM



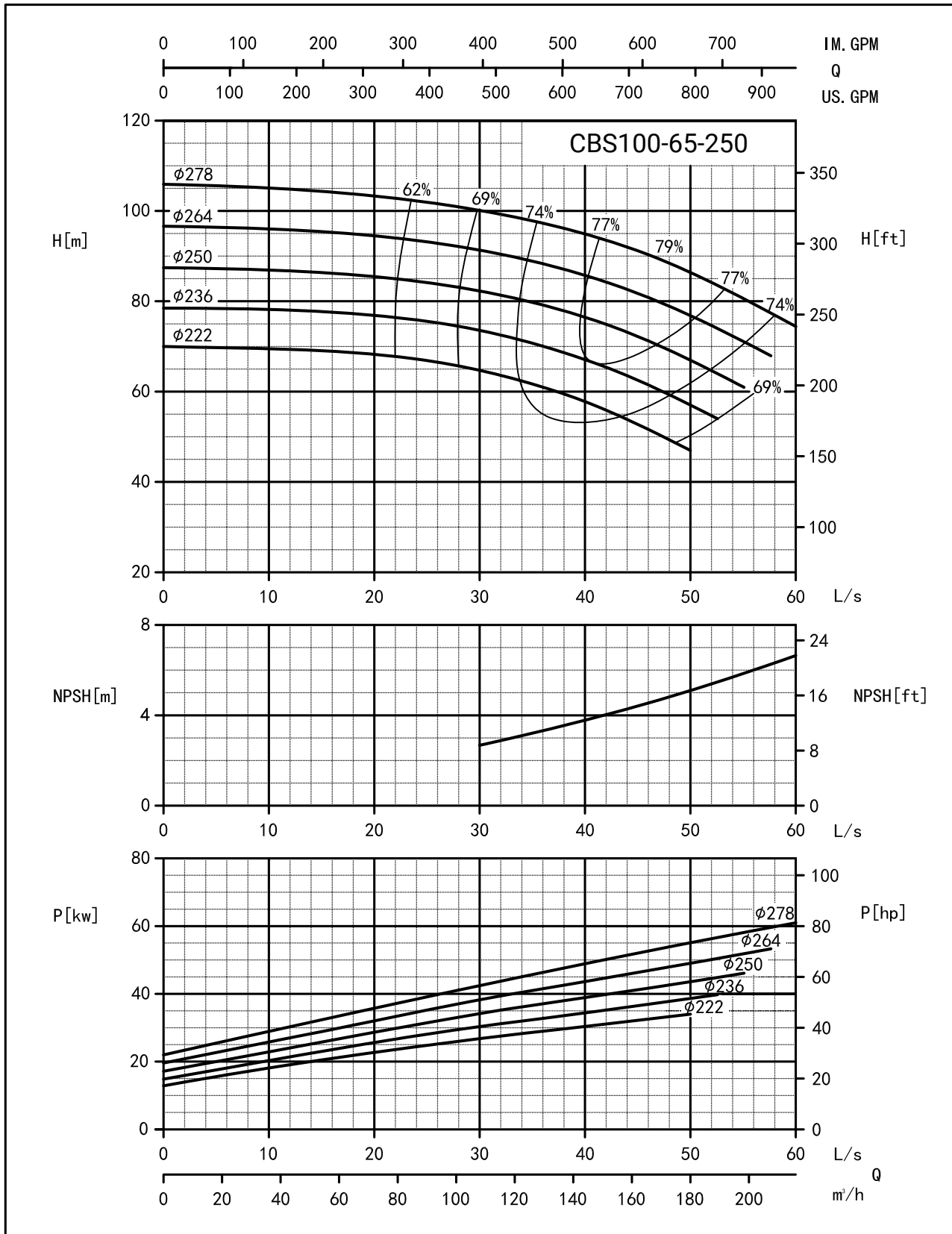
# CBS100-65-200

2900 RPM



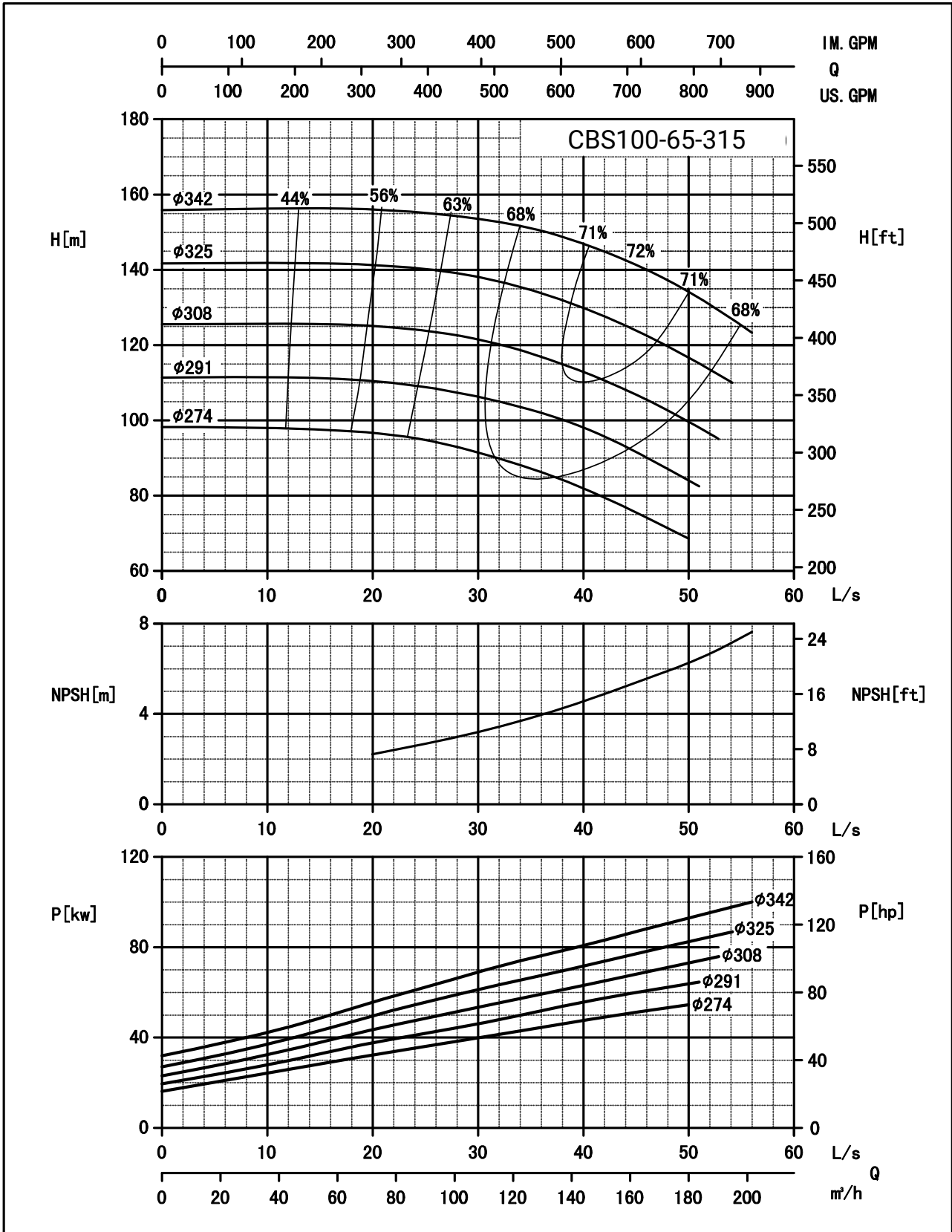
# CBS100-65-250

2900 RPM



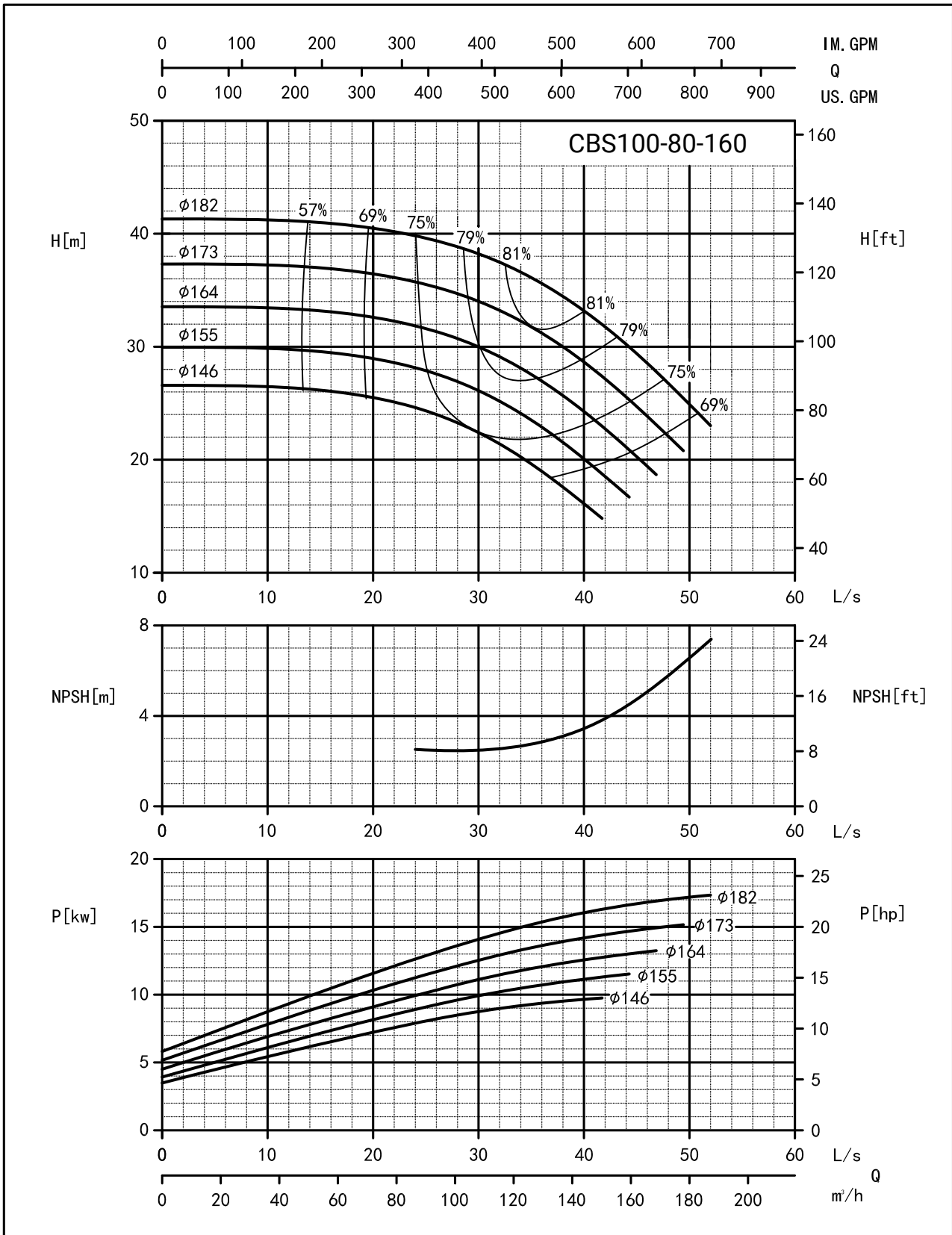
# CBS100-65-315

2900 RPM



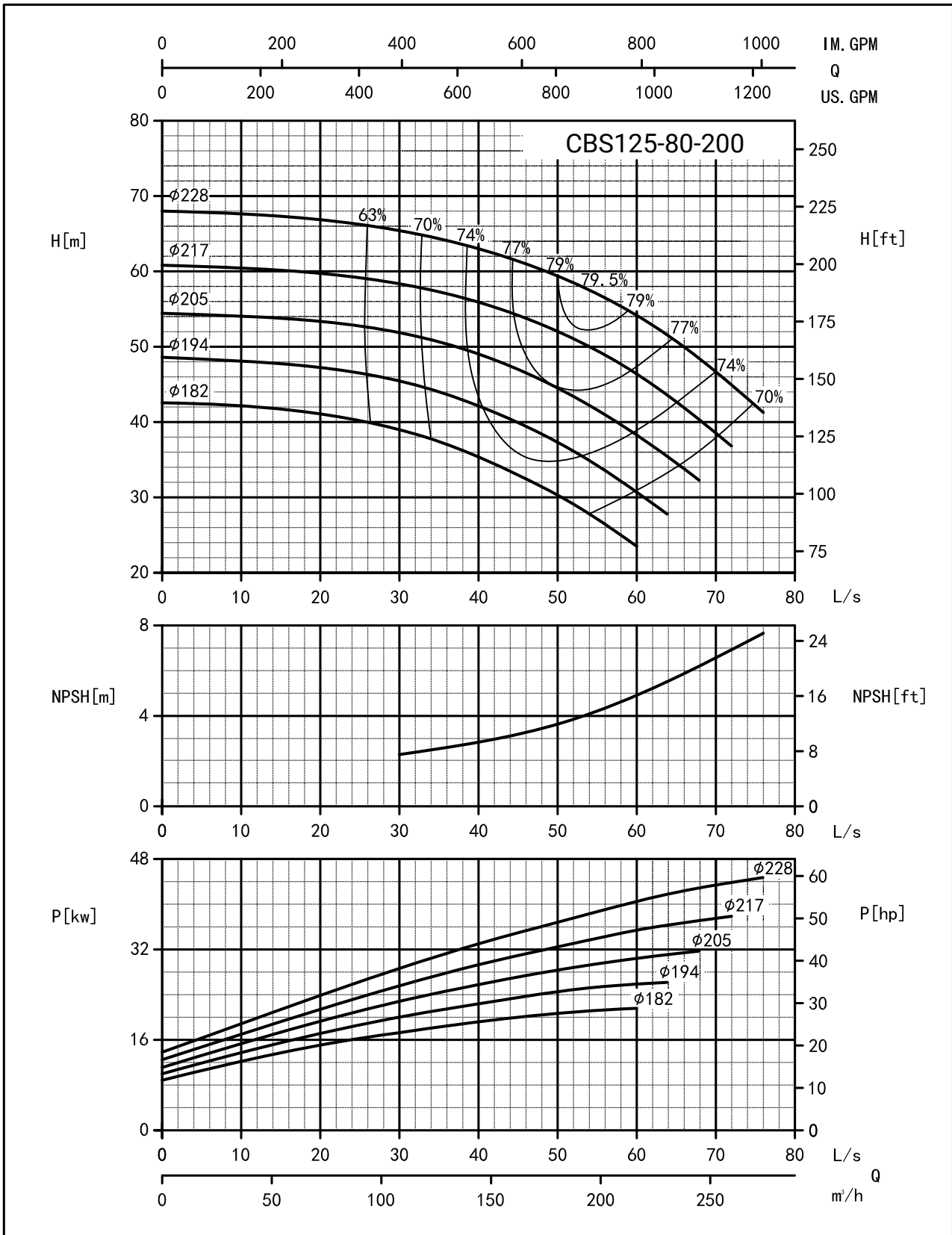
# CBS100-80-160

2900 RPM



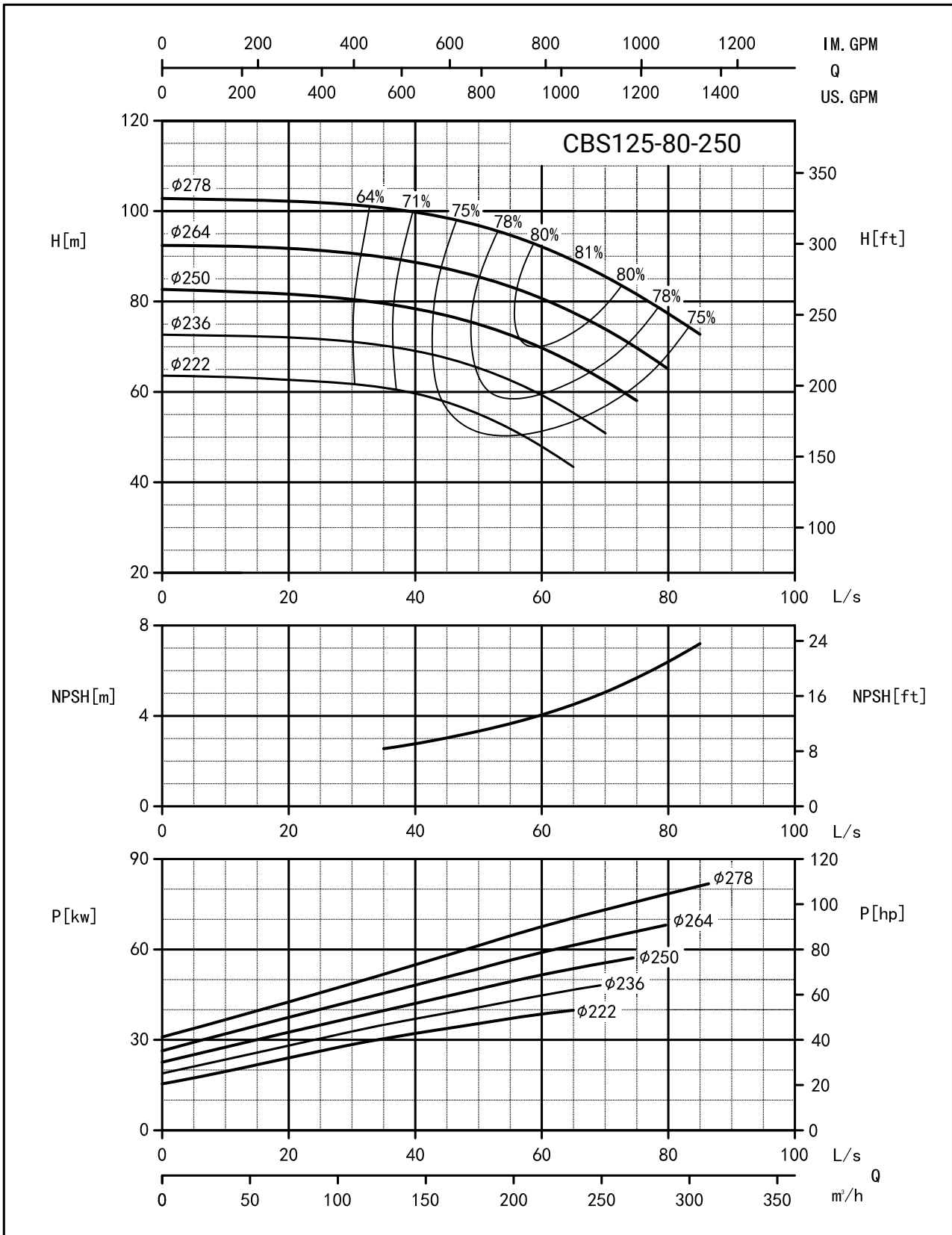
# CBS125-80-200

2900 RPM



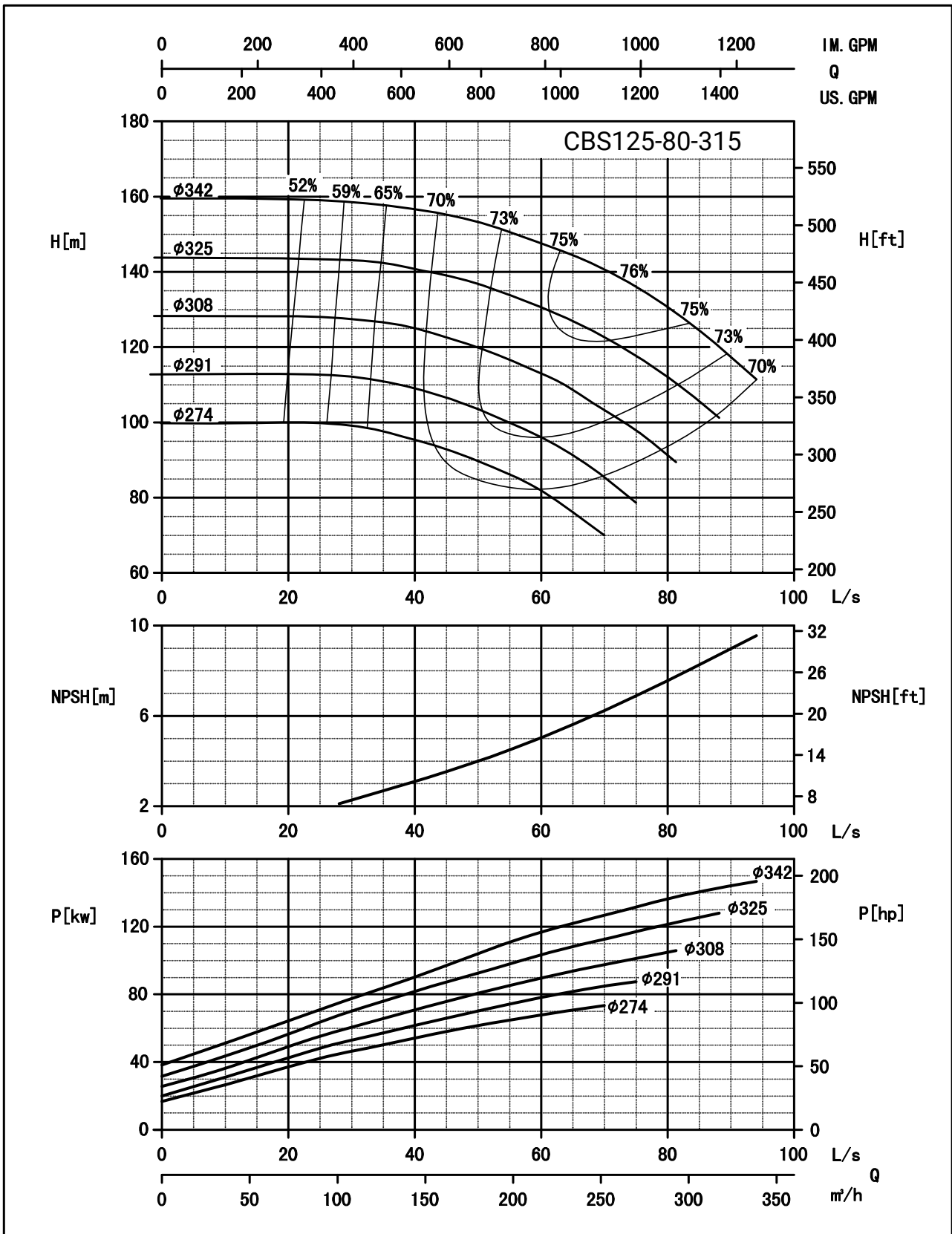
# CBS125-80-250

2900 RPM



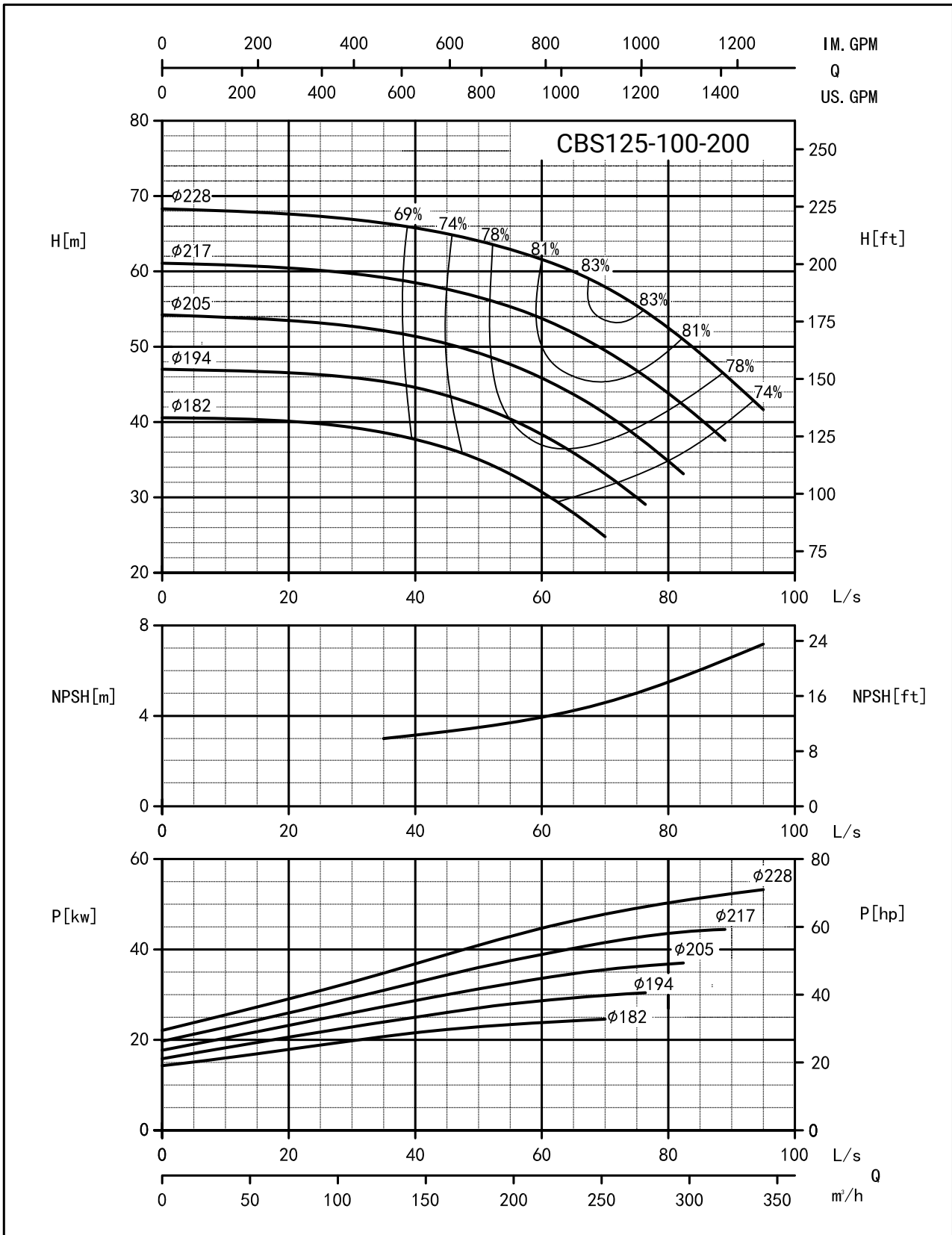
# CBS125-80-315

2900 RPM



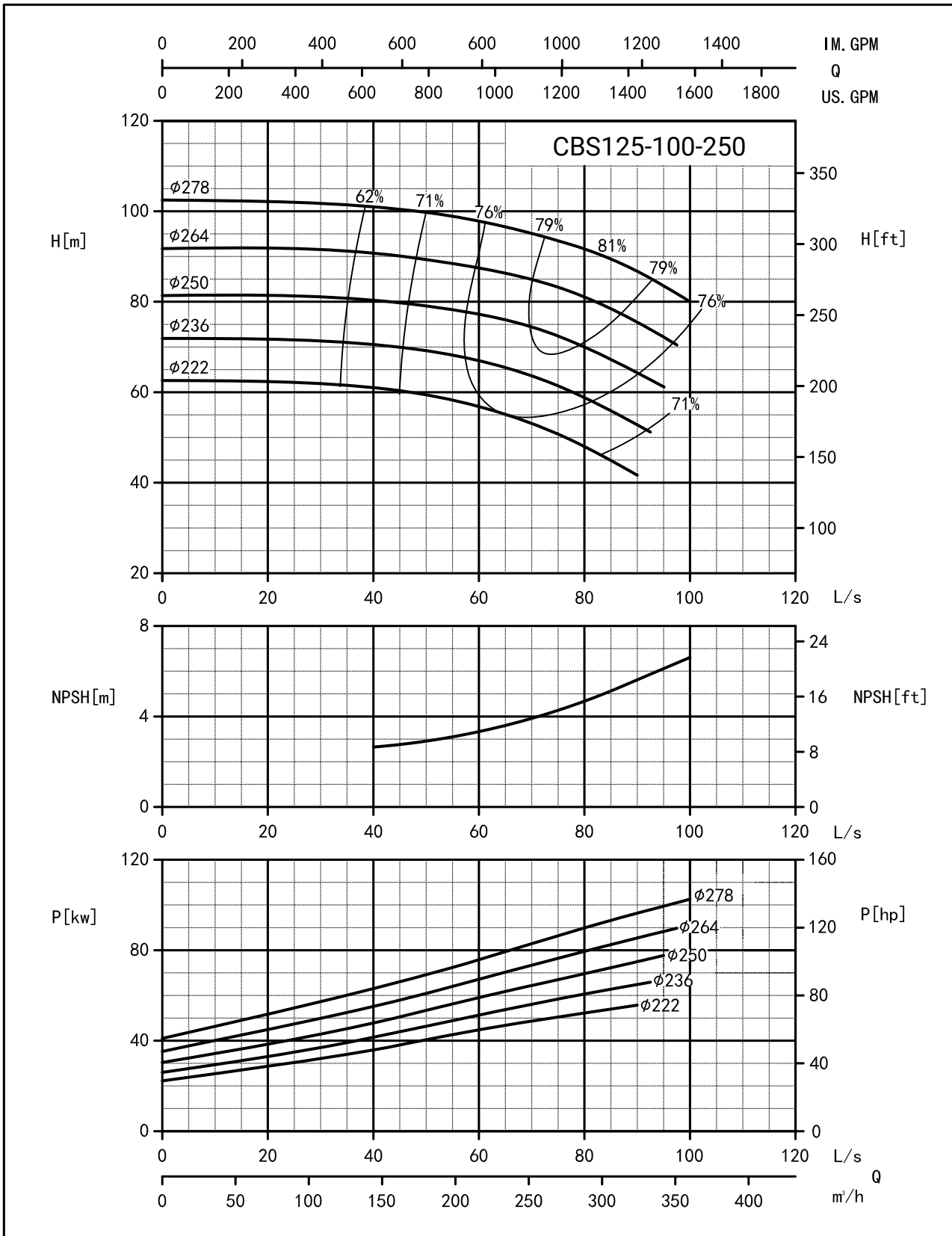
# CBS125-100-200

2900 RPM



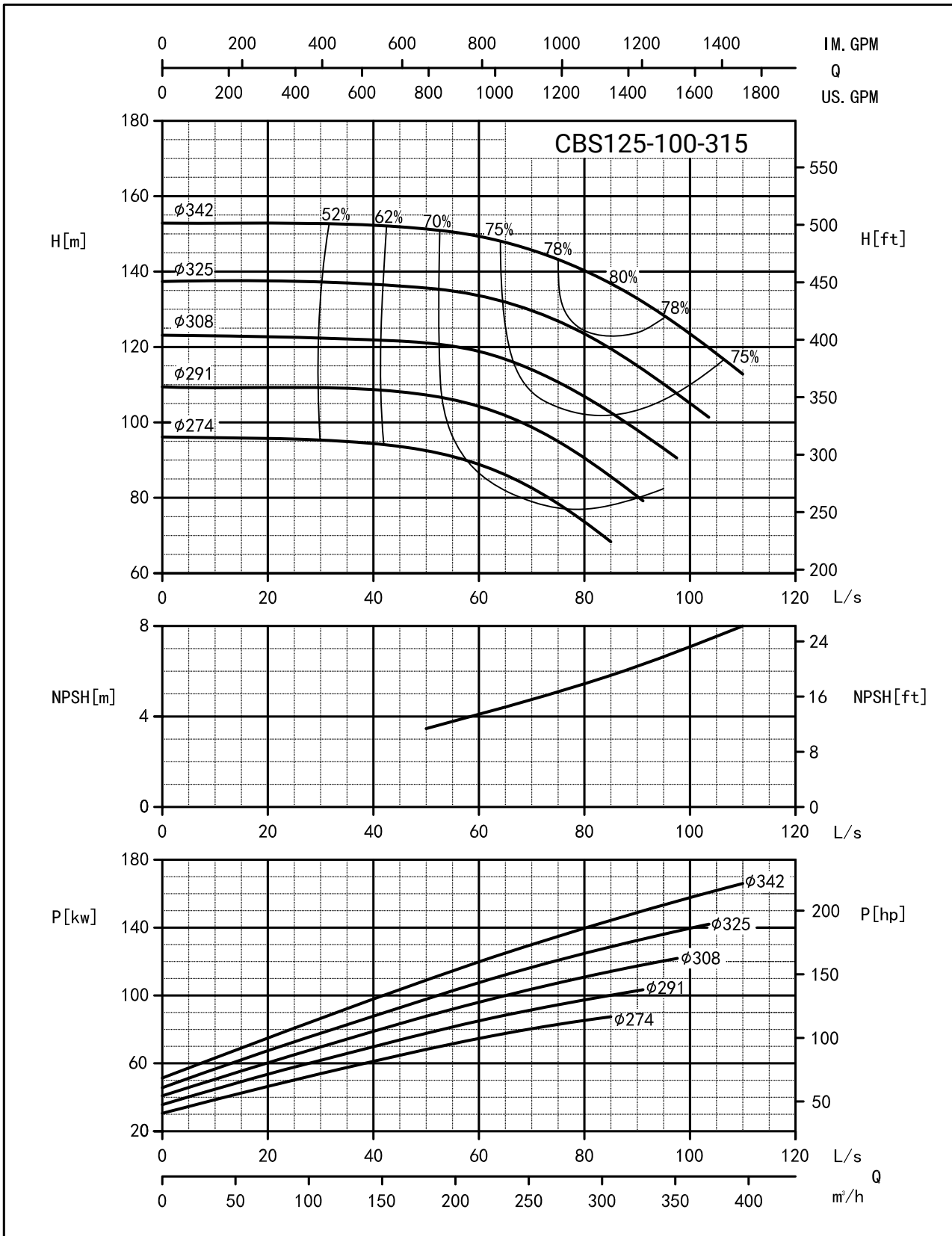
# CBS125-100-250

2900 RPM



# CBS125-100-315

2900 RPM



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