

Kuru Rotorlu Sirkülasyon Pompaları

- ✓ EILR Serisi
- ✓ EILR - HF Serisi

EIL VE EIL R SERİSİ IN-LINE KURU ROTORLU SİRKÜLASYON POMPALARI



EIL VE EIL R serisi in-line kuru rotorlu sirkülasyon pompaları ile konfor ve enerji verimliliğini en üst seviyede tutun

- In-line (aynı hat üzerinde giriş - çıkış) bağlantı ile tesisata direkt bağlanabilen
- Evsel ve endüstriyel ısıtma, soğutma, iklimlendirme ve sıhhi tesisatlarda sıcak veya soğuk suyun sirkülasyon çevrimlerinde kullanılan pompalardır.

Akışkan Özelliği

- Temiz, katı aşındırıcı partikül içermeyen, viskoz ve sert olmayan, kimyasal olarak nötr nitelikte su
- Sirkülasyon suyuna katılabilecek maksimum glikol oranı %30'dur.

Teknik Özellikler

| | |
|---------------------------|---|
| Maks. Debi | : 280 m ³ / h |
| Maks. Basma Yüksekliği | : 103 mSS |
| Motor Hızı | : 975 d/dk (50 Hz), 1450 d/dk (50 Hz), 2900 d/dk (50 Hz) |
| Bağlantı | : DN 40 - DN 125 |
| Güç | : 0,25 kW'dan 45 kW'a kadar |
| Elektrik Motor Voltajı | : 3 x 400V, 50Hz |
| Azami Çalışma Basıncı | : 16 bar |
| Azami Ortam Sıcaklığı | : 40 °C |
| Pompalanan Sıvı Sıcaklığı | : -10 °C ÷ +130 °C |
| Koruma Sınıfı | : IP55 |
| İzolasyon Sınıfı | : F sınıfı |



Tasarım Özellikleri

| | |
|-------------------|-----------------------------------|
| Pompa Gövdesi | : GG25 - Pik Döküm |
| Mil | : AISI420 Paslanmaz Çelik |
| Çark | : GG25 - Pik Döküm |
| Adaptör | : GG25 - Pik Döküm |
| Mekanik Salmastra | : Karbon / Silisyum Karbür / EPDM |
| Destek Gövdesi | : GG25 - Pik Döküm |
| Elastomerler | : EPDM |

- Harici soğutmalı 3 faz (trifaze) asekron motor
- Motor koruması için aşırı akım korumalı pano ile kullanılması tavsiye edilir.

*EILR - HF serisi frekans kontrol modülü takılı in-line pompa

- In-line bağlantılı (giris- ıkısı aynı hat üzerinde), tek kademeli, mekanik salmastra ile sızdırmazlığı sağlanan pompalardır. EILR serisi pompalar motor mili üzerine kamalı geçirilen pompa mili ve adaptör ile imal edilmektedir. Pompa tesisattan sökölmeden döner parçalara bakım yapılabilir tasarıma sahiptir.

EILR - HF Serisi Teknik özellikler*

- Değişken Hız Kontrolü : Pompa üzerine takılan frekans kontrol modülü ile sağlanır. Frekans kontrol modülü, sistem gereksinimi doğrultusunda motoru kontrol eder. Böylelikle enerji tasarrufu, işletim giderinin azalması ve konfor sağlanır.

Talep üzerine Eklenen Aksesuarlar

- Disli galvanizli pompa karşı flansları
- Dikey montaj için pompa ayacı
- Mekanik salmastra ve gövde contası için farklı malzemeler

Montaj

- Motor veya terminal kutusunun aşağı doğru gelmesi dışında yatay ve dikey montaj yapılabilir.
- 5.5kW ve üzeri motor güçleri için yatay montajlarda pompa gövdesi altında pompa ayacı olmalıdır, dikey montajlarda ise elektrik motorunda mutlaka destek kullanılmalıdır.

EILR SERİSİ SİRKÜLASYON POMPASI SES ŞİDDET SEVİYELERİ

| POMPA TİPİ | | MOTOR GÜCÜ [kW] | DEVİR (d/dk) | SES S. SEVİYESİ |
|------------|---------|-----------------|--------------|-----------------|
| EILR | 100-250 | 1,5 | 975 | 47 |
| EILR | 100-250 | 2,2 | 975 | 52 |
| EILR | 100-250 | 3 | 975 | 63 |
| EILR | 100-250 | 4 | 975 | 63 |
| EILR | 125-250 | 2,2 | 975 | 52 |
| EILR | 125-250 | 3 | 975 | 63 |
| EILR | 125-250 | 4 | 975 | 63 |
| EILR | 125-250 | 5,5 | 975 | 63 |
| EILR | 40-125 | 0,25 | 1450 | 45 |
| EILR | 40-125 | 0,37 | 1450 | 46 |
| EILR | 40-125 | 0,55 | 1450 | 47 |
| EILR | 40-160 | 0,37 | 1450 | 46 |
| EILR | 40-160 | 0,55 | 1450 | 47 |
| EILR | 40-160 | 0,75 | 1450 | 48 |
| EILR | 40-200 | 0,75 | 1450 | 48 |
| EILR | 40-200 | 1,1 | 1450 | 49 |
| EILR | 40-200 | 1,5 | 1450 | 50 |
| EILR | 40-250 | 1,1 | 1450 | 49 |
| EILR | 40-250 | 1,5 | 1450 | 50 |
| EILR | 40-250 | 2,2 | 1450 | 51 |
| EILR | 40-250 | 3 | 1450 | 52 |
| EILR | 50-125 | 0,25 | 1450 | 45 |
| EILR | 50-125 | 0,37 | 1450 | 46 |
| EILR | 50-125 | 0,55 | 1450 | 47 |
| EILR | 50-160 | 0,37 | 1450 | 46 |
| EILR | 50-160 | 0,55 | 1450 | 47 |
| EILR | 50-160 | 0,75 | 1450 | 48 |
| EILR | 50-160 | 1,1 | 1450 | 49 |
| EILR | 50-200 | 0,75 | 1450 | 48 |
| EILR | 50-200 | 1,1 | 1450 | 49 |
| EILR | 50-200 | 1,5 | 1450 | 50 |
| EILR | 50-200 | 2,2 | 1450 | 51 |
| EILR | 50-250 | 1,1 | 1450 | 49 |
| EILR | 50-250 | 1,5 | 1450 | 50 |
| EILR | 50-250 | 2,2 | 1450 | 51 |
| EILR | 50-250 | 3 | 1450 | 52 |
| EILR | 65-125 | 0,37 | 1450 | 46 |
| EILR | 65-125 | 0,55 | 1450 | 47 |
| EILR | 65-125 | 0,75 | 1450 | 48 |
| EILR | 65-160 | 0,55 | 1450 | 47 |
| EILR | 65-160 | 0,75 | 1450 | 48 |
| EILR | 65-160 | 1,1 | 1450 | 49 |
| EILR | 65-160 | 1,5 | 1450 | 50 |
| EILR | 65-200 | 0,75 | 1450 | 48 |
| EILR | 65-200 | 1,1 | 1450 | 49 |
| EILR | 65-200 | 1,5 | 1450 | 50 |
| EILR | 65-200 | 2,2 | 1450 | 51 |
| EILR | 65-250 | 1,5 | 1450 | 50 |
| EILR | 65-250 | 2,2 | 1450 | 51 |
| EILR | 65-250 | 3 | 1450 | 52 |
| EILR | 65-250 | 4 | 1450 | 53 |

| POMPA TİPİ | | MOTOR GÜCÜ [kW] | DEVİR (d/dk) | SES S. SEVİYESİ |
|------------|---------|-----------------|--------------|-----------------|
| EILR | 80-160 | 0,75 | 1450 | 48 |
| EILR | 80-160 | 1,1 | 1450 | 49 |
| EILR | 80-160 | 1,5 | 1450 | 50 |
| EILR | 80-160 | 2,2 | 1450 | 51 |
| EILR | 80-200 | 1,5 | 1450 | 50 |
| EILR | 80-200 | 2,2 | 1450 | 51 |
| EILR | 80-200 | 3 | 1450 | 52 |
| EILR | 80-200 | 4 | 1450 | 53 |
| EILR | 80-250 | 3 | 1450 | 52 |
| EILR | 80-250 | 4 | 1450 | 53 |
| EILR | 80-250 | 5,5 | 1450 | 54 |
| EILR | 80-250 | 7,5 | 1450 | 55 |
| EILR | 100-160 | 1,1 | 1450 | 49 |
| EILR | 100-160 | 1,5 | 1450 | 50 |
| EILR | 100-160 | 2,2 | 1450 | 51 |
| EILR | 100-160 | 3 | 1450 | 52 |
| EILR | 100-200 | 3 | 1450 | 52 |
| EILR | 100-200 | 4 | 1450 | 53 |
| EILR | 100-200 | 5,5 | 1450 | 54 |
| EILR | 100-200 | 7,5 | 1450 | 55 |
| EILR | 100-250 | 4 | 1450 | 53 |
| EILR | 100-250 | 5,5 | 1450 | 54 |
| EILR | 100-250 | 7,5 | 1450 | 55 |
| EILR | 100-250 | 11 | 1450 | 63 |
| EILR | 125-200 | 3 | 1450 | 52 |
| EILR | 125-200 | 4 | 1450 | 53 |
| EILR | 125-200 | 5,5 | 1450 | 54 |
| EILR | 125-200 | 7,5 | 1450 | 55 |
| EILR | 125-250 | 5,5 | 1450 | 54 |
| EILR | 125-250 | 7,5 | 1450 | 55 |
| EILR | 125-250 | 11 | 1450 | 63 |
| EILR | 125-250 | 15 | 1450 | 54 |

EILR SERİSİ SİRKÜLASYON POMPASI SES ŞİDDET SEVİYELERİ

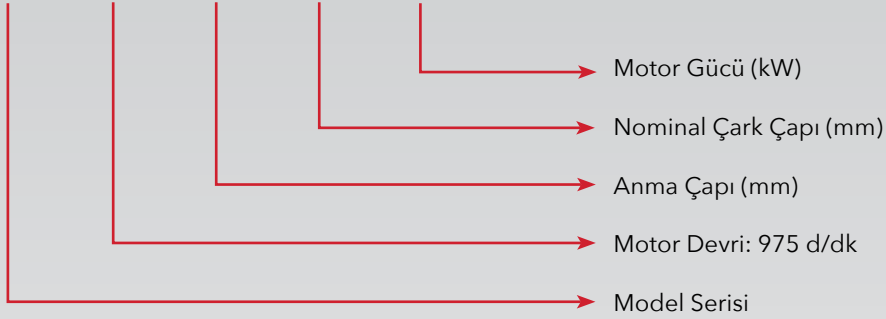
ETNA®

| POMPA TİPİ | | MOTOR GÜCÜ [kW] | DEVİR (d/dk) | SES S. SEVİYESİ |
|------------|--------|-----------------|--------------|-----------------|
| EILR | 40-125 | 1,1 | 2900 | 55 |
| EILR | 40-125 | 1,5 | 2900 | 61 |
| EILR | 40-125 | 2,2 | 2900 | 62 |
| EILR | 40-125 | 3 | 2900 | 62 |
| EILR | 40-160 | 2,2 | 2900 | 62 |
| EILR | 40-160 | 3 | 2900 | 62 |
| EILR | 40-160 | 4 | 2900 | 63 |
| EILR | 40-160 | 5,5 | 2900 | 66 |
| EILR | 40-200 | 3 | 2900 | 62 |
| EILR | 40-200 | 4 | 2900 | 63 |
| EILR | 40-200 | 5,5 | 2900 | 66 |
| EILR | 40-200 | 7,5 | 2900 | 67 |
| EILR | 40-250 | 7,5 | 2900 | 67 |
| EILR | 40-250 | 11 | 2900 | 68 |
| EILR | 40-250 | 15 | 2900 | 71 |
| EILR | 40-250 | 18,5 | 2900 | 72 |
| EILR | 50-125 | 1,5 | 2900 | 61 |
| EILR | 50-125 | 2,2 | 2900 | 62 |
| EILR | 50-125 | 3 | 2900 | 62 |
| EILR | 50-125 | 4 | 2900 | 63 |
| EILR | 50-160 | 2,2 | 2900 | 62 |
| EILR | 50-160 | 3 | 2900 | 62 |
| EILR | 50-160 | 4 | 2900 | 63 |
| EILR | 50-160 | 5,5 | 2900 | 66 |
| EILR | 50-200 | 4 | 2900 | 63 |
| EILR | 50-200 | 5,5 | 2900 | 66 |
| EILR | 50-200 | 7,5 | 2900 | 67 |
| EILR | 50-200 | 11 | 2900 | 68 |
| EILR | 50-250 | 15 | 2900 | 71 |
| EILR | 50-250 | 18,5 | 2900 | 72 |
| EILR | 50-250 | 22 | 2900 | 73 |
| EILR | 50-250 | 30 | 2900 | 73 |
| EILR | 65-125 | 2,2 | 2900 | 62 |
| EILR | 65-125 | 3 | 2900 | 62 |
| EILR | 65-125 | 4 | 2900 | 63 |
| EILR | 65-125 | 5,5 | 2900 | 66 |
| EILR | 65-160 | 3 | 2900 | 62 |
| EILR | 65-160 | 4 | 2900 | 63 |
| EILR | 65-160 | 5,5 | 2900 | 66 |
| EILR | 65-160 | 7,5 | 2900 | 67 |
| EILR | 65-160 | 11 | 2900 | 68 |
| EILR | 65-200 | 5,5 | 2900 | 66 |
| EILR | 65-200 | 7,5 | 2900 | 67 |
| EILR | 65-200 | 11 | 2900 | 68 |
| EILR | 65-200 | 15 | 2900 | 71 |
| EILR | 65-250 | 15 | 2900 | 71 |
| EILR | 65-250 | 18,5 | 2900 | 72 |
| EILR | 65-250 | 22 | 2900 | 73 |
| EILR | 65-250 | 30 | 2900 | 73 |

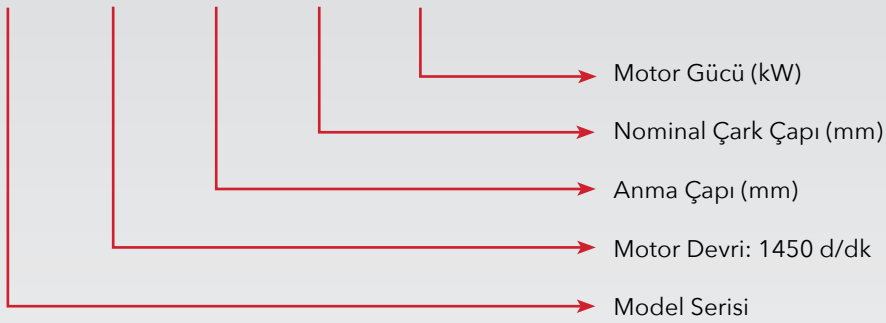
| POMPA TİPİ | | MOTOR GÜCÜ [kW] | DEVİR (d/dk) | SES S. SEVİYESİ |
|------------|---------|-----------------|--------------|-----------------|
| EILR | 80-160 | 4 | 2900 | 63 |
| EILR | 80-160 | 5,5 | 2900 | 66 |
| EILR | 80-160 | 7,5 | 2900 | 67 |
| EILR | 80-160 | 11 | 2900 | 68 |
| EILR | 80-160 | 15 | 2900 | 71 |
| EILR | 80-200 | 11 | 2900 | 68 |
| EILR | 80-200 | 15 | 2900 | 71 |
| EILR | 80-200 | 18,5 | 2900 | 72 |
| EILR | 80-200 | 22 | 2900 | 73 |
| EILR | 80-200 | 30 | 2900 | 73 |
| EILR | 80-250 | 18,5 | 2900 | 72 |
| EILR | 80-250 | 22 | 2900 | 73 |
| EILR | 80-250 | 30 | 2900 | 73 |
| EILR | 80-250 | 37 | 2900 | 74 |
| EILR | 80-250 | 45 | 2900 | 75 |
| EILR | 100-160 | 7,5 | 2900 | 67 |
| EILR | 100-160 | 11 | 2900 | 68 |
| EILR | 100-160 | 15 | 2900 | 71 |
| EILR | 100-160 | 18,5 | 2900 | 72 |
| EILR | 100-200 | 15 | 2900 | 71 |
| EILR | 100-200 | 18,5 | 2900 | 72 |
| EILR | 100-200 | 22 | 2900 | 73 |
| EILR | 100-200 | 30 | 2900 | 73 |
| EILR | 100-200 | 37 | 2900 | 74 |
| EILR | 100-200 | 45 | 2900 | 75 |
| EILR | 100-250 | 22 | 2900 | 73 |
| EILR | 100-250 | 30 | 2900 | 73 |
| EILR | 100-250 | 37 | 2900 | 74 |
| EILR | 100-250 | 45 | 2900 | 75 |
| EILR | 125-200 | 22 | 2900 | 73 |
| EILR | 125-200 | 30 | 2900 | 73 |
| EILR | 125-200 | 37 | 2900 | 74 |
| EILR | 125-200 | 45 | 2900 | 75 |

EILR ve EILR - HF SERİSİ POMPA TANIMLAMA KODU VE ETİKETİ

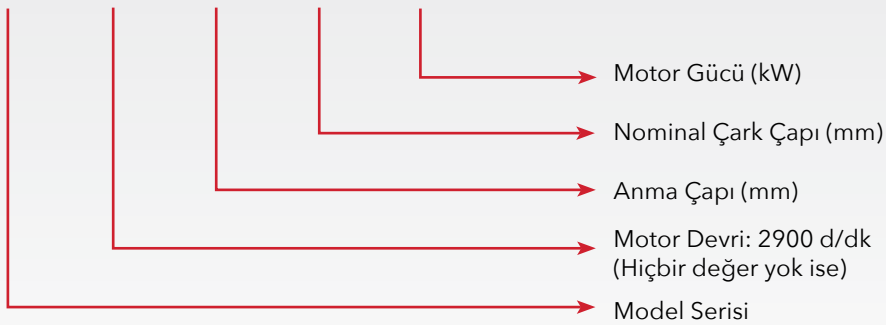
EILR 6 40 - 125 / 0,37



EILR 4 40 - 125 / 0,37



EILR 40 - 125 / 0,37



NOT : HF uzantılı modeller frekans kontrollüdür.

| | | | | | |
|--------------|-----------|-------------------|-------|---|---|
| ETNA® | | CE | | Alp Pompa Teknolojileri San. Tic. A.Ş. Dudullu OSB. 2. Cad. No: 14 34775 Ümraniye - İstanbul / Türkiye Tel : +90 216 561 47 74 (Pbx) | |
| ① | TIP : | MVE ≥ 0,4 | | ⑧ | |
| ⑤ | Q : | m ³ /h | H : | mSS | ② |
| ⑥ | DEVİR : | rpm | GÜÇ : | Kw | ③ |
| ⑦ | SERİ NO : | YIL : | | ④ | |

① Model
② Anma Basıncı
③ Anma Gücü
④ Üretim Yılı
⑤ Anma Debisi
⑥ Motorun Dönme Hızı
⑦ Seri Numarası
⑧ Minimum Verimlilik Endeksi

EILR-EILR4-EILR6 MODEL LİSTESİ VE MALZEME TABLOSU

ETNA®

| MODELLER | | |
|------------------------|------------|------------|
| 6 KUTUPLU (975 dev/dk) | | |
| 100-250/15 | 100-250/40 | 125-250/40 |
| 100-250/22 | 125-250/22 | 125-250/55 |
| 100-250/30 | 125-250/30 | |

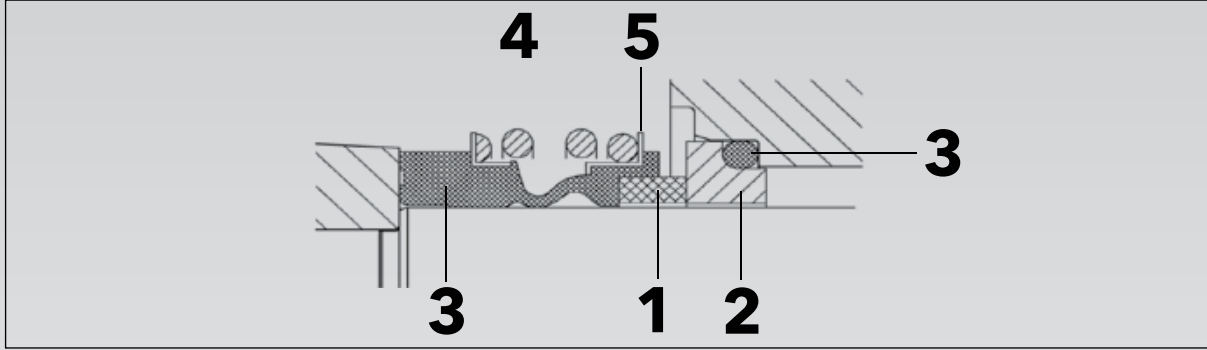
| MODELLER | | |
|-------------------------|------------|--------------|
| 4 KUTUPLU (1450 dev/dk) | | |
| 40-125/02 | 50-250/15 | 80-200/40 |
| 40-125/03 | 50-250/22* | 80-250/30 |
| 40-125/05* | 50-250/30 | 80-250/40 |
| 40-160/03 | 65-125/03 | 80-250/55* |
| 40-160/05* | 65-125/05* | 80-250/75 |
| 40-160/07 | 65-125/07 | 100-160/11 |
| 40-200/07 | 65-160/05* | 100-160/15 |
| 40-200/11 | 65-160/07 | 100-160/22* |
| 40-200/15 | 65-160/11 | 100-160/30 |
| 40-250/11 | 65-160/15 | 100-200/30 |
| 40-250/15 | 65-200/07 | 100-200/40 |
| 40-250/22* | 65-200/11 | 100-200/55* |
| 40-250/30 | 65-200/15 | 100-200/75 |
| 50-125/02 | 65-200/22* | 100-250/40 |
| 50-125/03 | 65-250/15 | 100-250/55* |
| 50-125/05* | 65-250/22* | 100-250/75 |
| 50-160/03 | 65-250/30 | 100-250/110* |
| 50-160/05* | 65-250/40 | 125-200/30 |
| 50-160/07 | 80-160/07 | 125-200/40 |
| 50-160/11* | 80-160/11 | 125-200/55* |
| 50-200/07 | 80-160/15 | 125-200/75 |
| 50-200/11 | 80-160/22* | 125-250/55* |
| 50-200/15 | 80-200/15 | 125-250/75 |
| 50-200/22* | 80-200/22* | 125-250/110* |
| 50-250/11 | 80-200/30 | 125-250/150 |

| MODELLER | | |
|-------------------------|-------------|--------------|
| 2 KUTUPLU (2900 dev/dk) | | |
| 40-125/11 | 50-250/150 | 80-200/185 |
| 40-125/15* | 50-250/185 | 80-200/220* |
| 40-125/22 | 50-250/220* | 80-200/300* |
| 40-125/30* | 50-250/300* | 80-250/185 |
| 40-160/22 | 65-125/22 | 80-250/220* |
| 40-160/30* | 65-125/30* | 80-250/300* |
| 40-160/40* | 65-125/40* | 80-250/370 |
| 40-160/55* | 65-125/55* | 80-250/450* |
| 40-200/30* | 65-160/30* | 100-160/75* |
| 40-200/40* | 65-160/40* | 100-160/110* |
| 40-200/55* | 65-160/55* | 100-160/150 |
| 40-200/75* | 65-160/75* | 100-160/185 |
| 40-250/75* | 65-160/110* | 100-200/150 |
| 40-250/110* | 65-200/55* | 100-200/185 |
| 40-250/150 | 65-200/75* | 100-200/220* |
| 40-250/185 | 65-200/110* | 100-200/300* |
| 50-125/15* | 65-200/150 | 100-200/370 |
| 50-125/22 | 65-250/150 | 100-200/450* |
| 50-125/30* | 65-250/185 | 100-250/220* |
| 50-125/40* | 65-250/220* | 100-250/300* |
| 50-160/22 | 65-250/300* | 100-250/370 |
| 50-160/30* | 80-160/40* | 100-250/450* |
| 50-160/40* | 80-160/55* | 125-200/220* |
| 50-160/55* | 80-160/75* | 125-200/300* |
| 50-200/40* | 80-160/110* | 125-200/370 |
| 50-200/55* | 80-160/150 | 125-200/450* |
| 50-200/75* | 80-200/110* | |
| 50-200/110* | 80-200/150 | |

| REF. No. | PARÇA | MALZEME | REF. REFERENCE STANDARDS | |
|----------|--|---|-------------------------------------|---------------|
| | | | AVRUPA | ABD |
| 1 | Pompa Gövdesi | Dökme Demir | EN 1561-GJL-250 (JL1040) | ASTM Class 35 |
| 2 | Salmastra Gövdesi | Dökme Demir | EN 1561-GJL-250 (JL1040) | ASTM Class 35 |
| 3 | Çark | Dökme Demir | EN 1561-GJL-250 (JL1040) | ASTM Class 35 |
| 4 | Mil | Paslanmaz Çelik | EN 10088-1-X2CrN Mo17-12-2 (1.4404) | AISI420 |
| 5 | Çark Pul ve Somunları | Paslanmaz Çelik | EN 10088-1-X2CrN Mo17-12-2 (1.4404) | AISI 316L |
| 6 | Kama | Paslanmaz Çelik | EN 10088-1-X2CrN Mo17-12-2 (1.4404) | AISI 316L |
| 7 | Tapa ve HavaAtma Valfi | Nikel Kaplamalı Piringç | EN 12164-CuZn39Pb3 (CW614N) | - |
| 8 | Doldurma ve Boşaltma Tapaları | Nikel Kaplamalı Piringç | EN 12164-CuZn39Pb3 (CW614N) | - |
| 9 | Mekanik Salmastra | Carbon / Seramik / EPDM (Standart Versiyon) | | |
| 10 | O-ring | EPDM (Standard Version) | | |
| 11 | Pompa Flanşı | Dökme Demir | EN 1561-GJL-250 (JL1040) | ASTM Class 35 |
| 12 | Pompa Gövdesi Bağlantı Civata ve Somunları | Galvaniz Kaplama Çelik | | |

EILR SERİSİ MEKANİK SALMASTRA DETAYI

EN 12756 ve ISO 3069'ya göre mekanik salmastra bağlantı boyutları



Malzeme Listesi

| Pozisyon 1 - 2 | Pozisyon 3 | Pozisyon 4 - 5 |
|-------------------------------|---------------|----------------|
| B : Reçine emdirilmiş karbon | E : EPDM | G : AISI 316 |
| A : Antimon emdirilmiş karbon | V : FKM (FPM) | |
| Q1 : Silisyum Karbür | | |
| U3 : Tungsten Karbür | | |

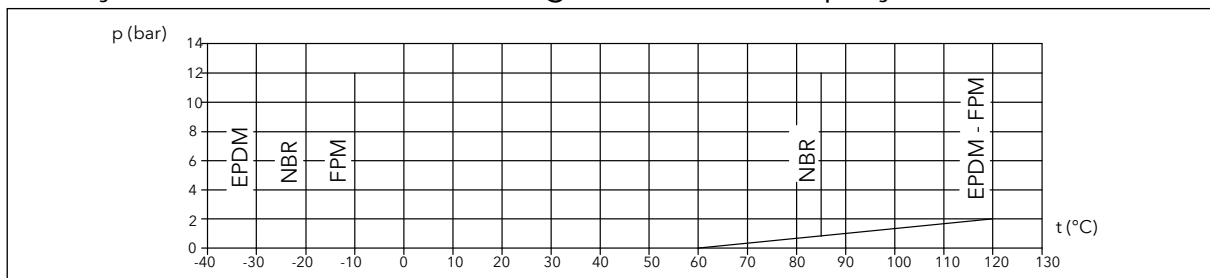
EIL Salmastra Tipi

| Tip | Pozisyon | | | | | Sıcaklık (°C) |
|--------------------------------|------------------|------------------|-----------------|-------------|---------------------|---------------|
| | 1 Dönen Parça | 2 Sabit Parça | 3 Elastikler | 4 Yaylar | 5 Diğer Parçalar | |
| Standart Mekanik Salmastra | | | | | | |
| Q1 Q1 E G G | B | Q1 | E | G | G | -30/+120 |
| Diğer Tip Mekanik Salmastralar | | | | | | |
| V B V G G | V | B | V | G | G | -10/+120 |
| Q1 B V G G | Q1 | B | V | G | G | -10/+120 |
| Q1 Q1 V G G | Q1 | Q1 | V | G | G | -10/+120 |
| V B E G G | V | B | E | G | G | -30/+120 |
| Q1 B E G G | Q1 | B | E | G | G | -30/+120 |
| B Q1 E G G | Q1 | Q1 | E | G | G | -30/+120 |

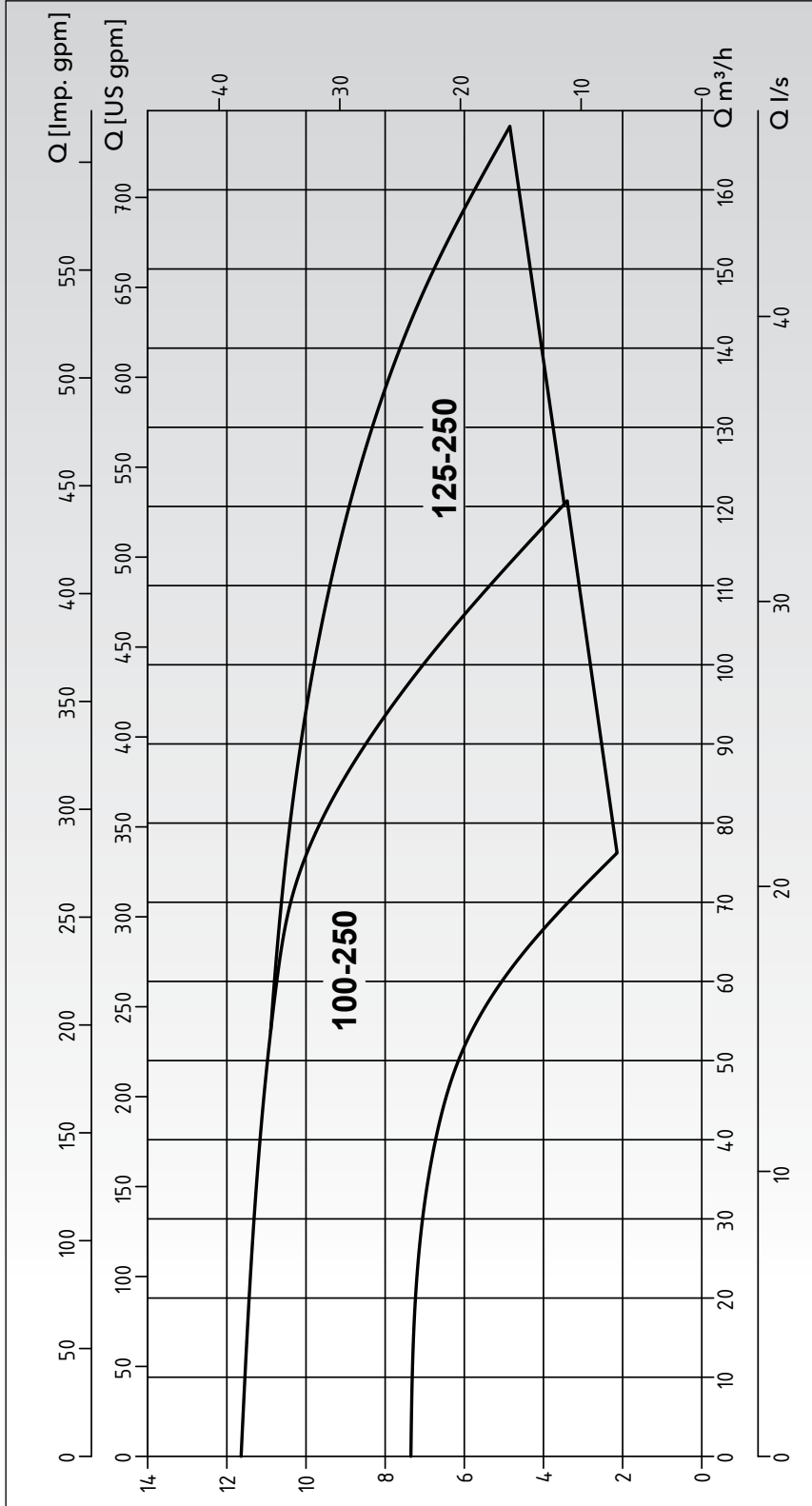
EIL R Salmastra Tipi

| Tip | Pozisyon | | | | | Sıcaklık (°C) |
|--------------------------------|------------------|------------------|-----------------|-------------|---------------------|---------------|
| | 1 Dönen Parça | 2 Sabit Parça | 3 Elastikler | 4 Yaylar | 5 Diğer Parçalar | |
| Standart Mekanik Salmastra | | | | | | |
| Q1 B E G G | Q1 | B | E | G | G | -30/+120 |
| Diğer Tip Mekanik Salmastralar | | | | | | |
| Q1 B V G G | Q1 | B | V | G | G | -10/+120 |
| Q1 Q1 V G G | Q1 | Q1 | V | G | G | -10/+120 |

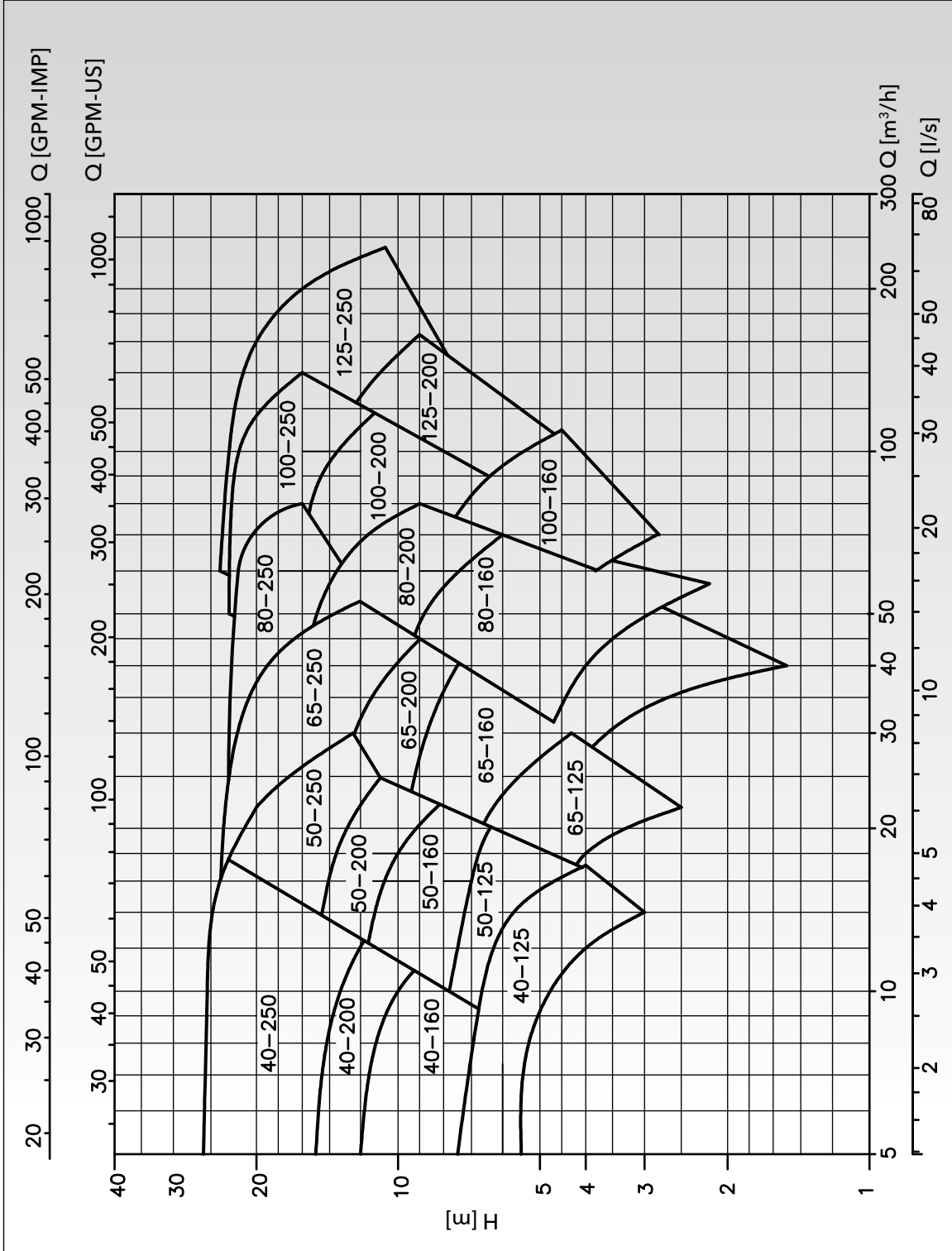
Basınç / Sıcaklık Limitleri (Herhangi bir salmastra tipi için)



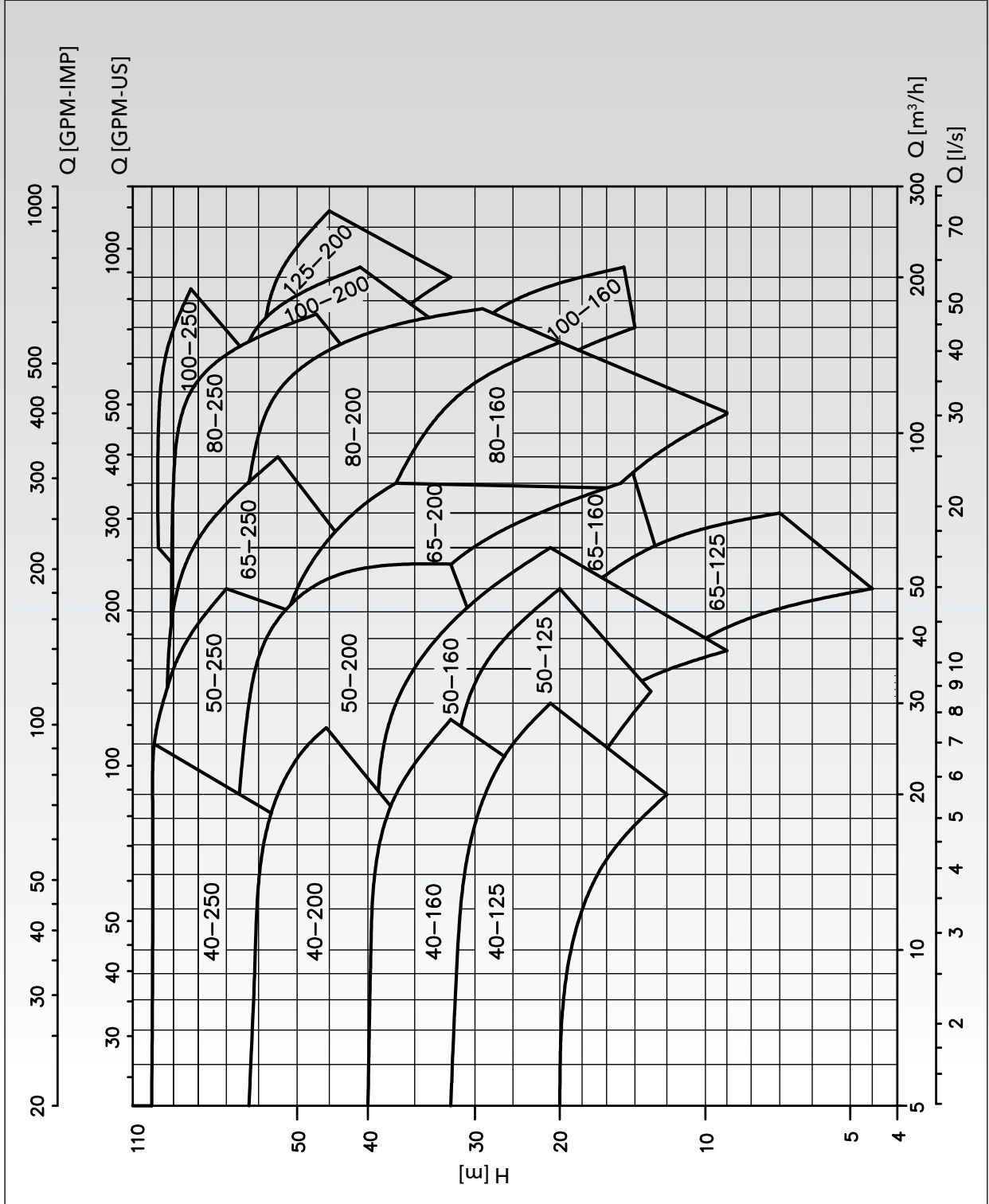
6 Kutuplu Motor (975 d/dk) - 50(Hz)



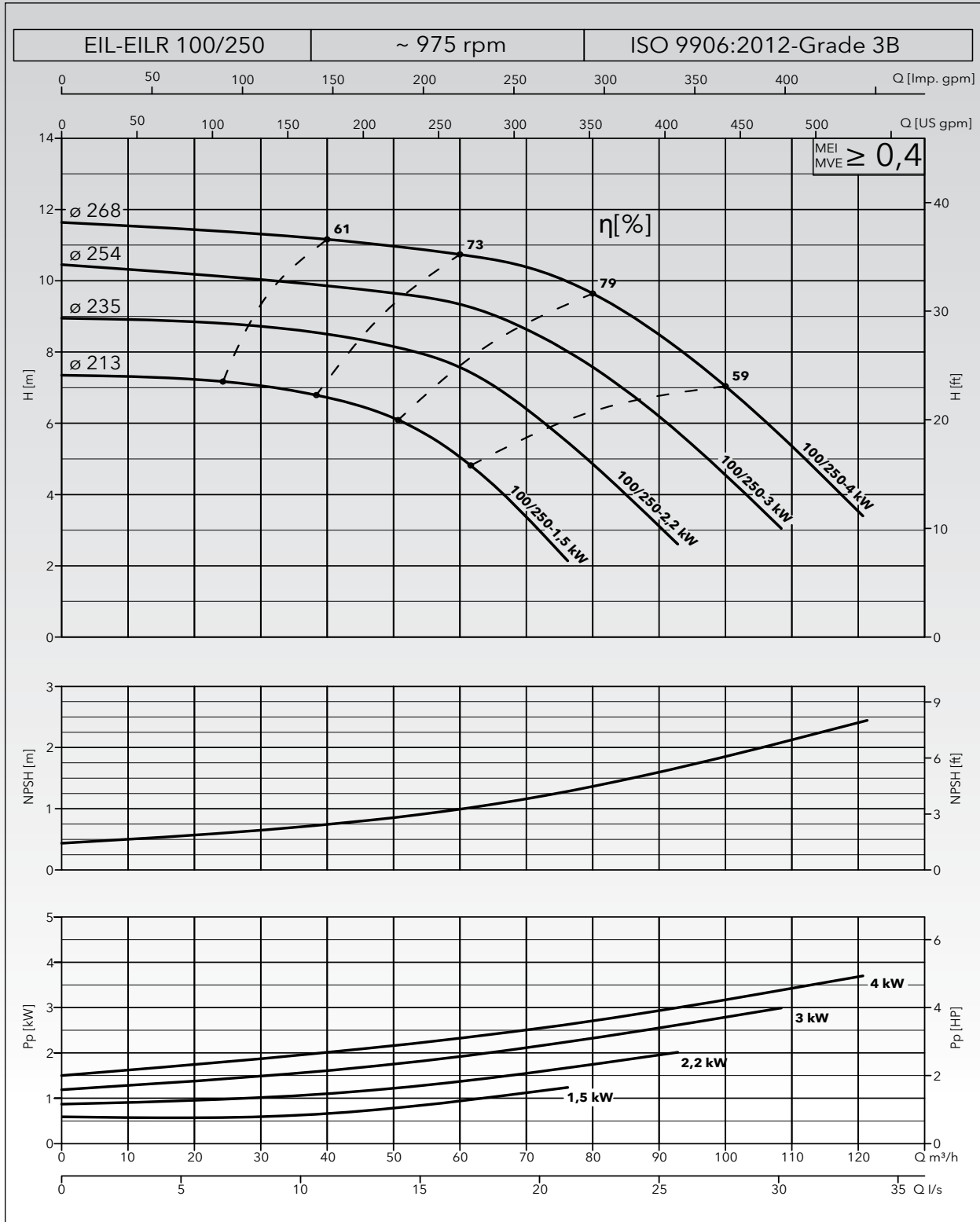
4 Kutuplu Motor (1480 d/dk) - 50Hz

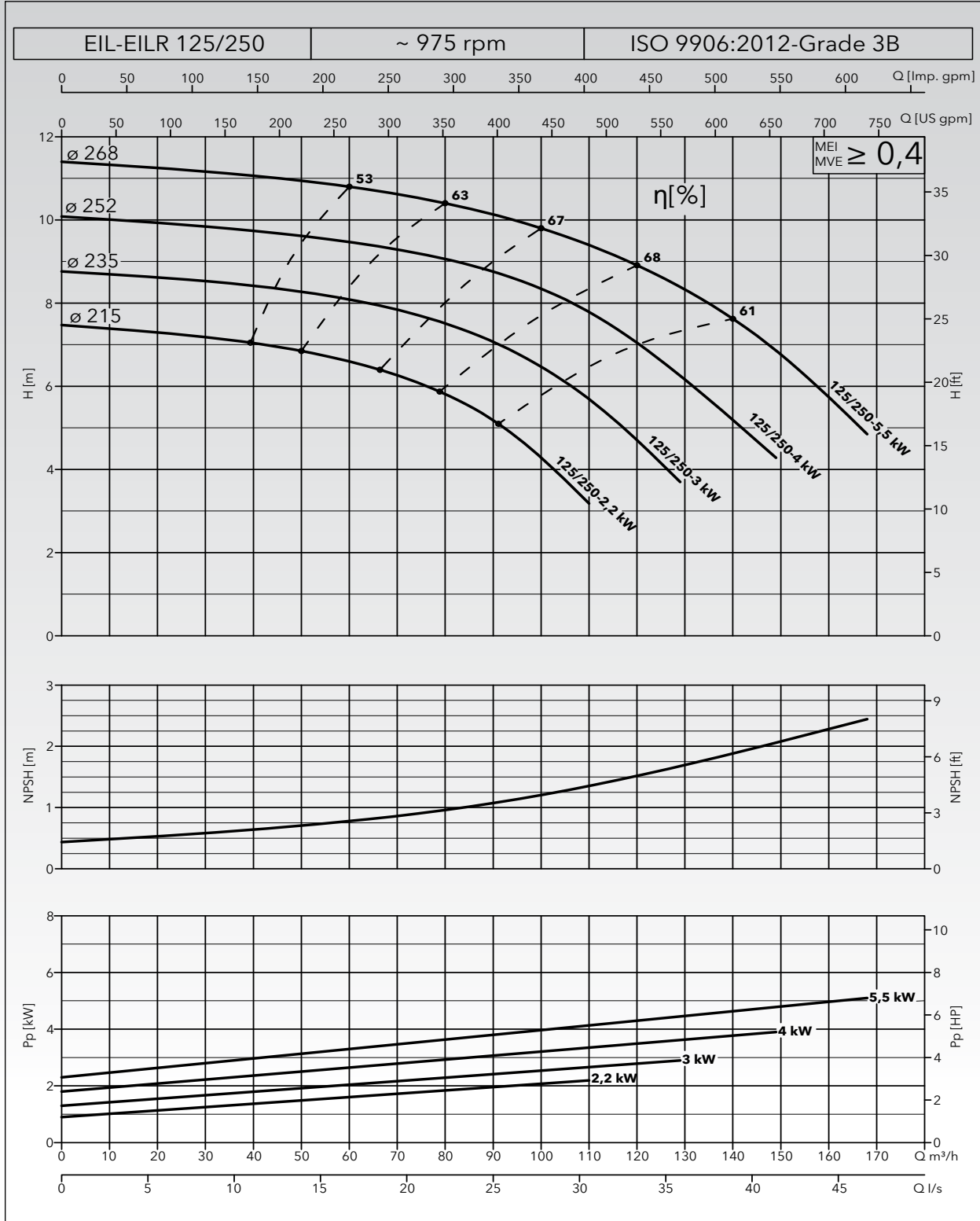


2 Kutuplu Motor (2980 d/dk) - 50(Hz)

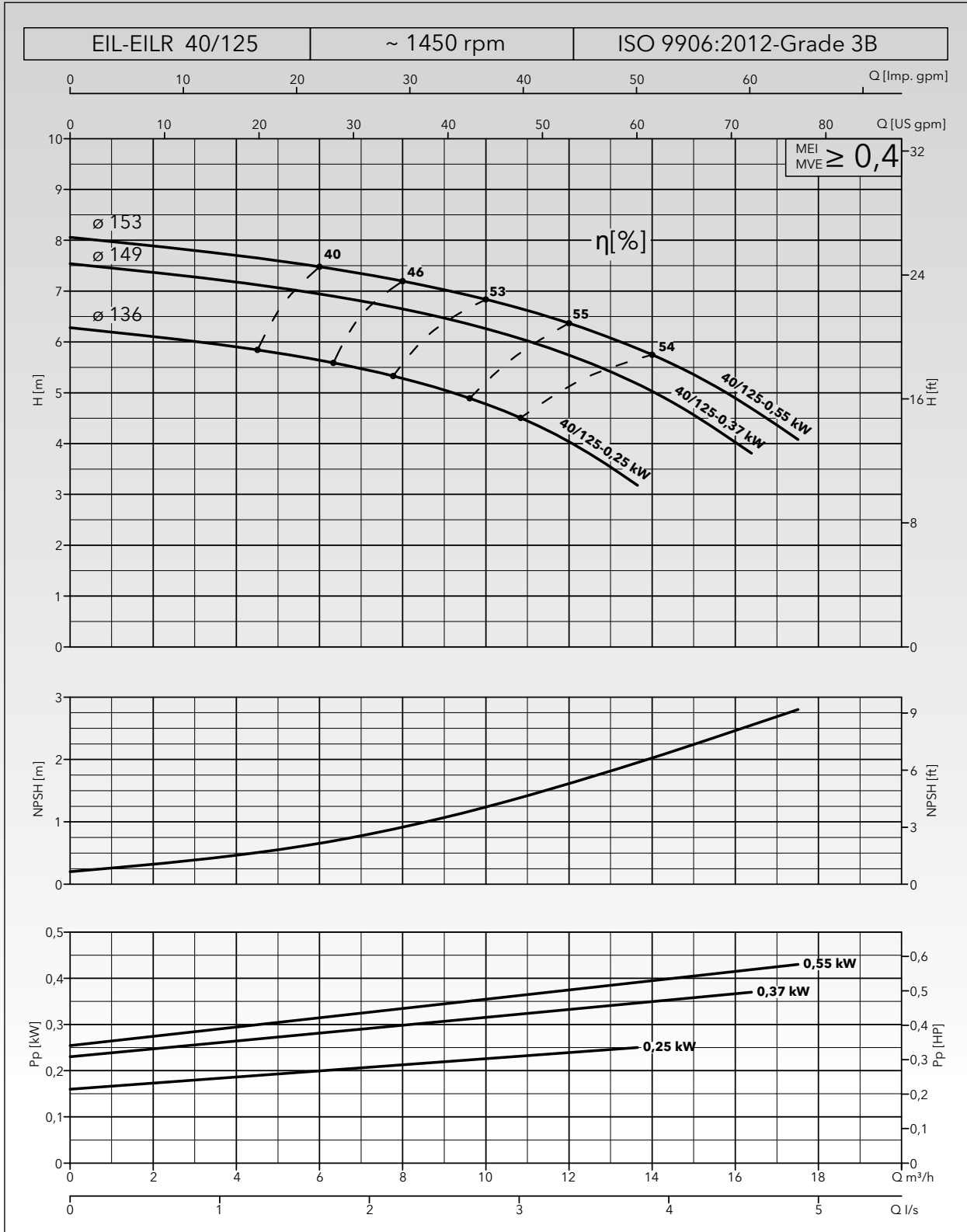


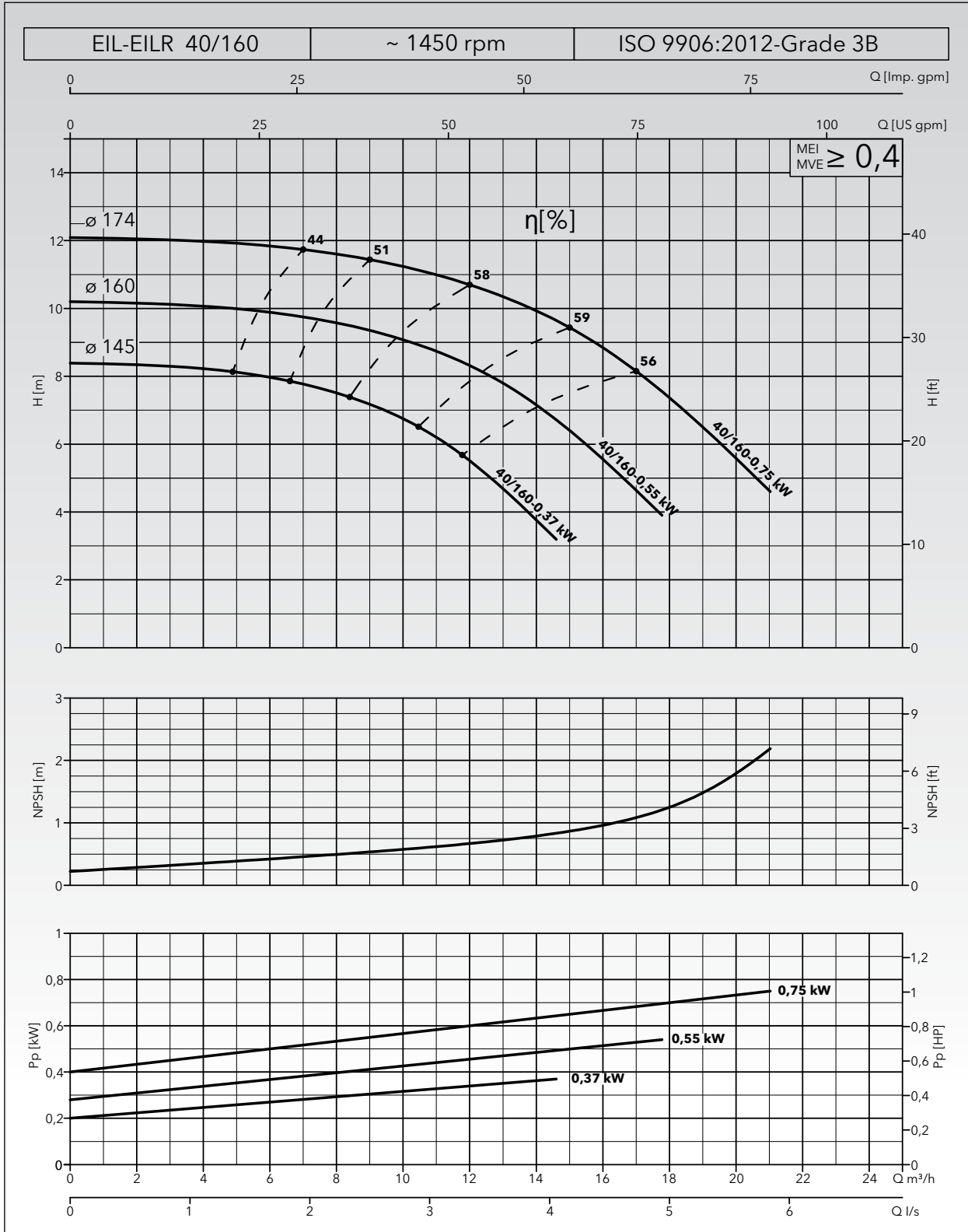
EILR6 SERİSİ HİDROLİK PERFORMANS EĞRİLERİ



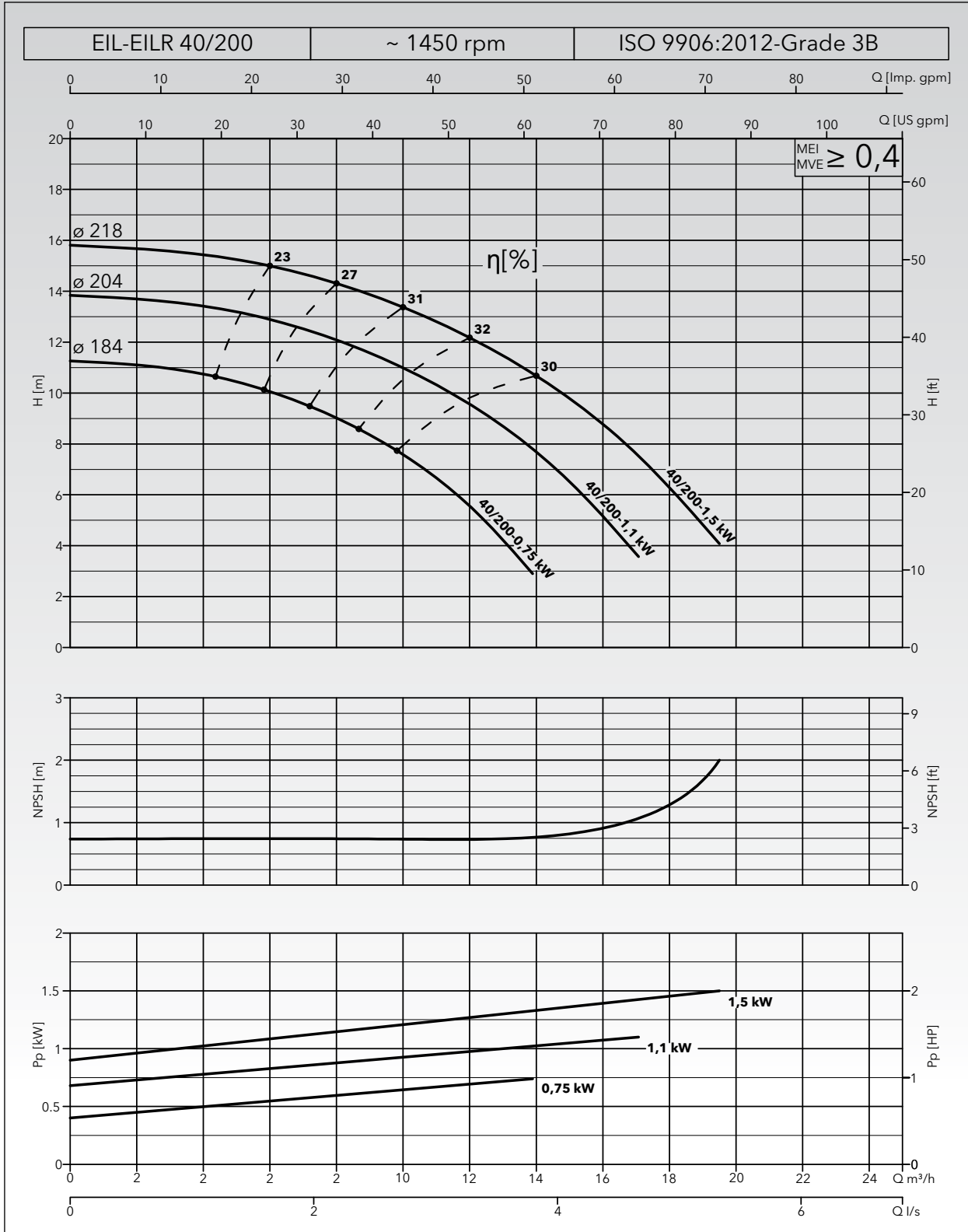


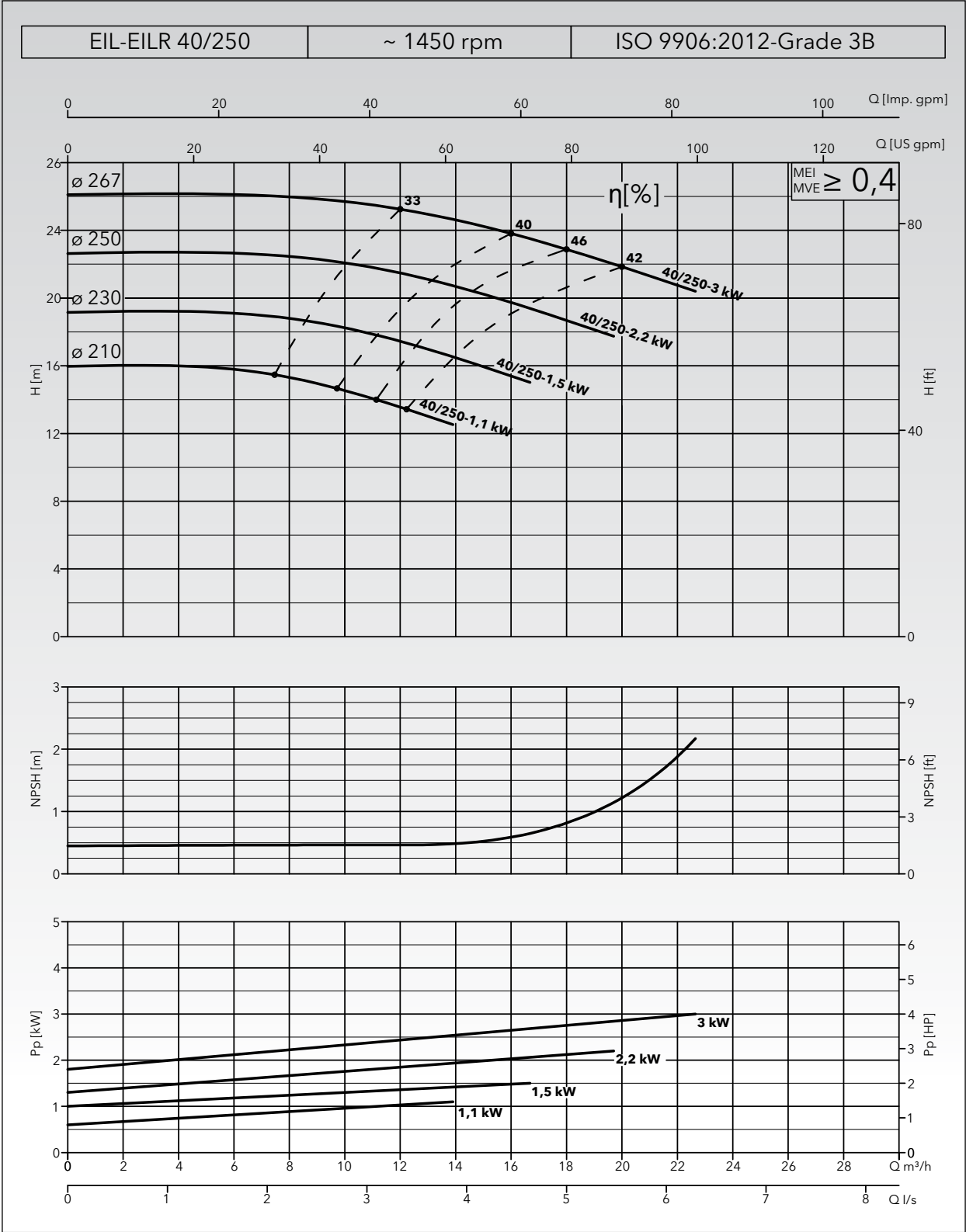
EILR4 SERİSİ HİDROLİK PERFORMANS EĞRİLERİ



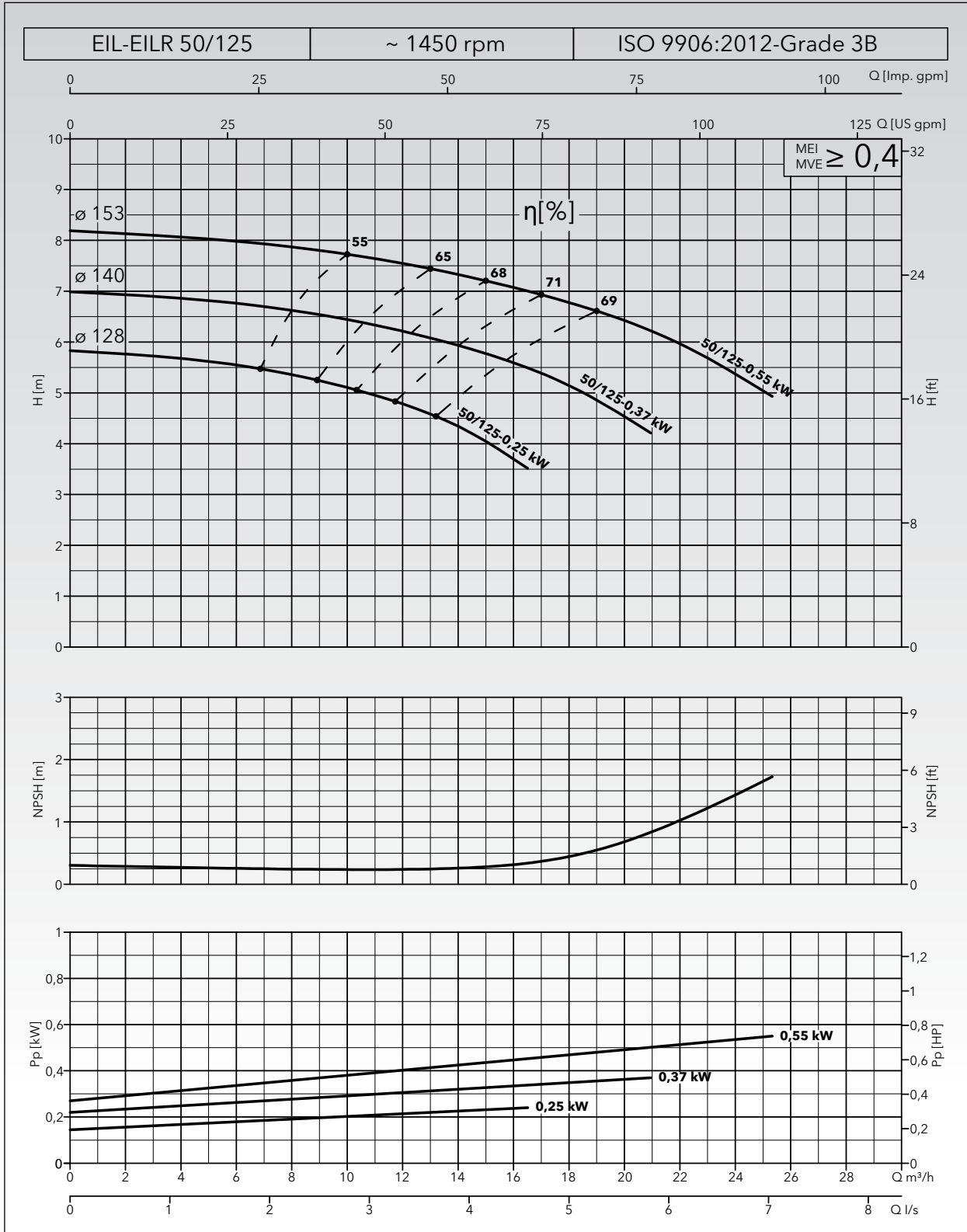


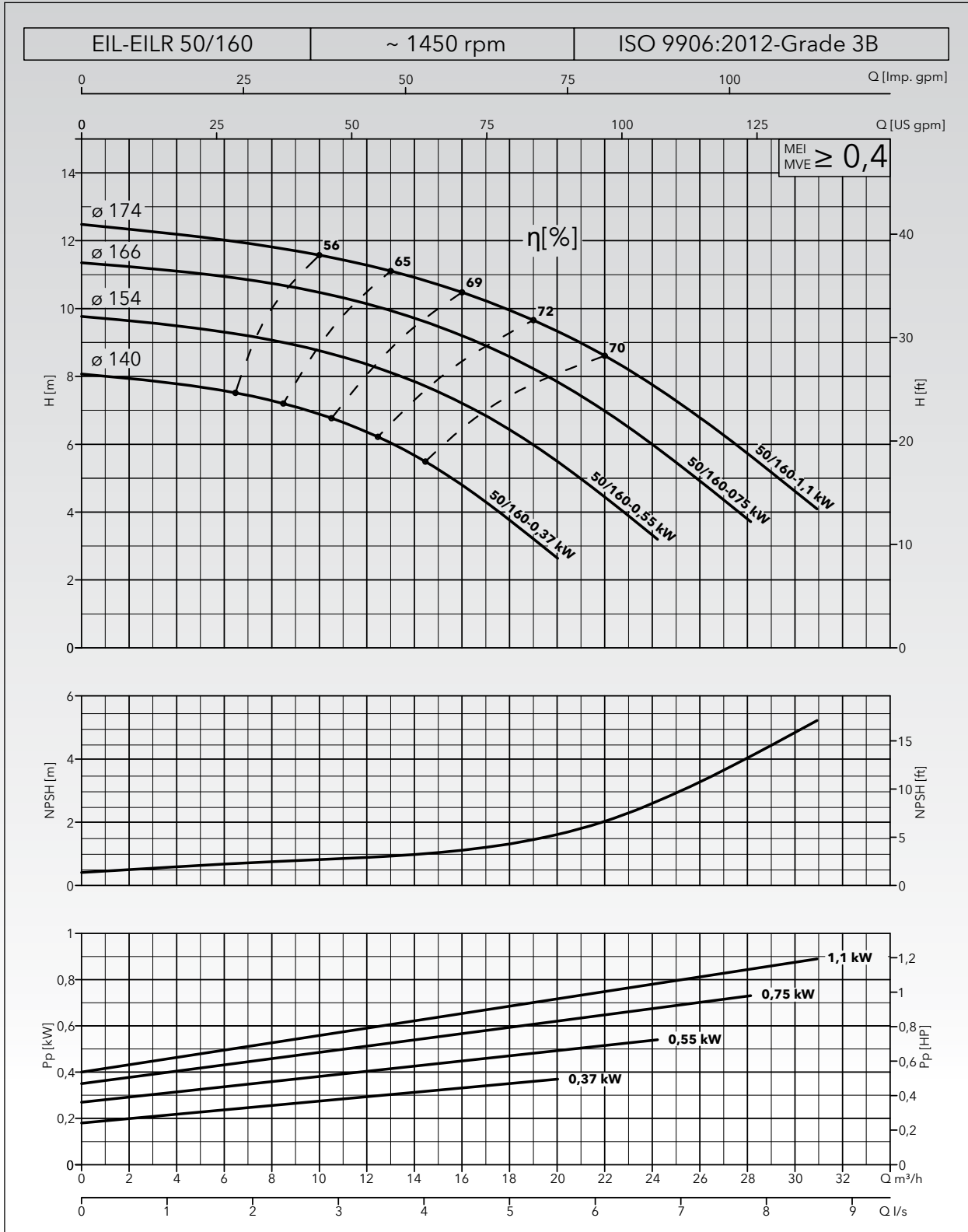
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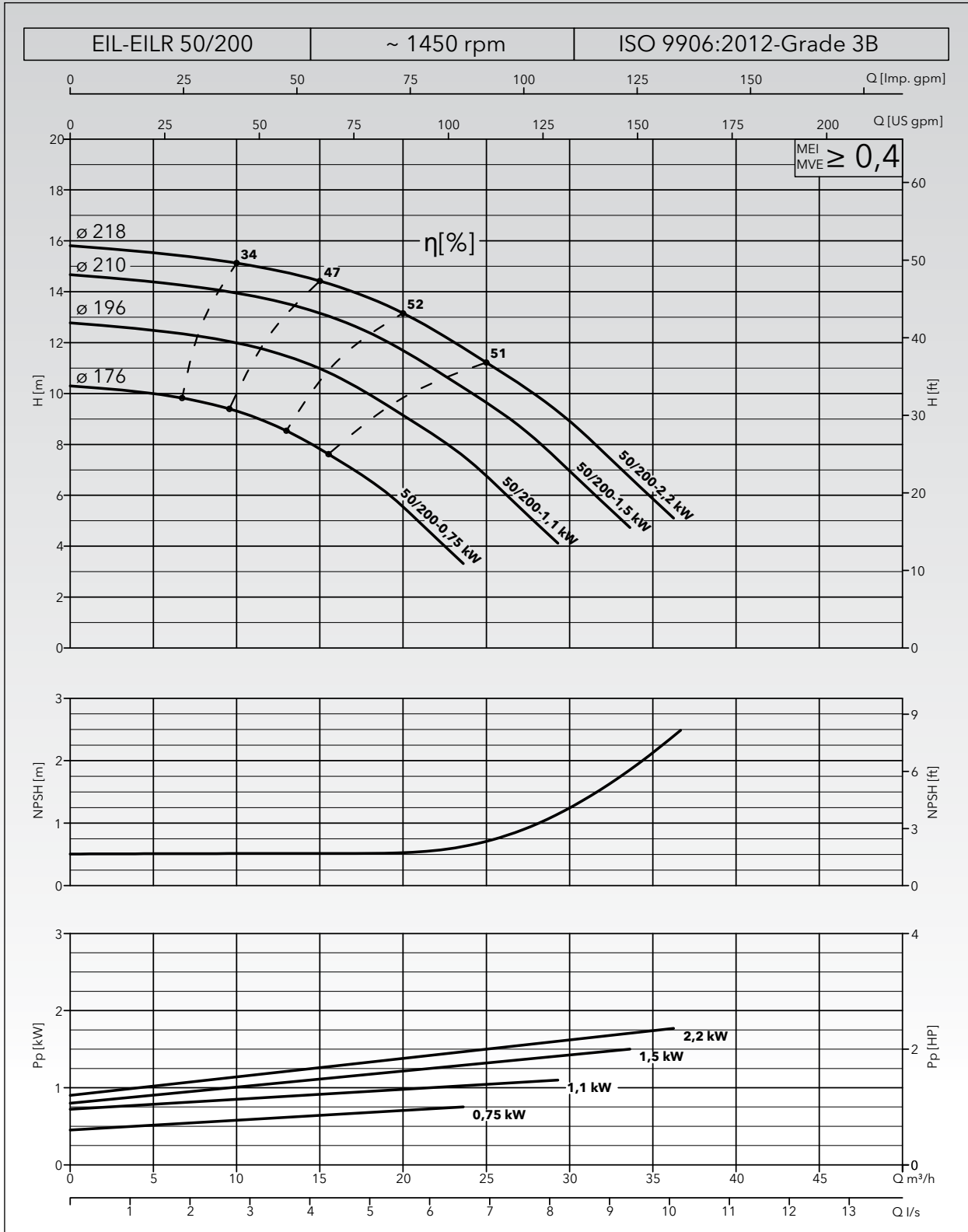


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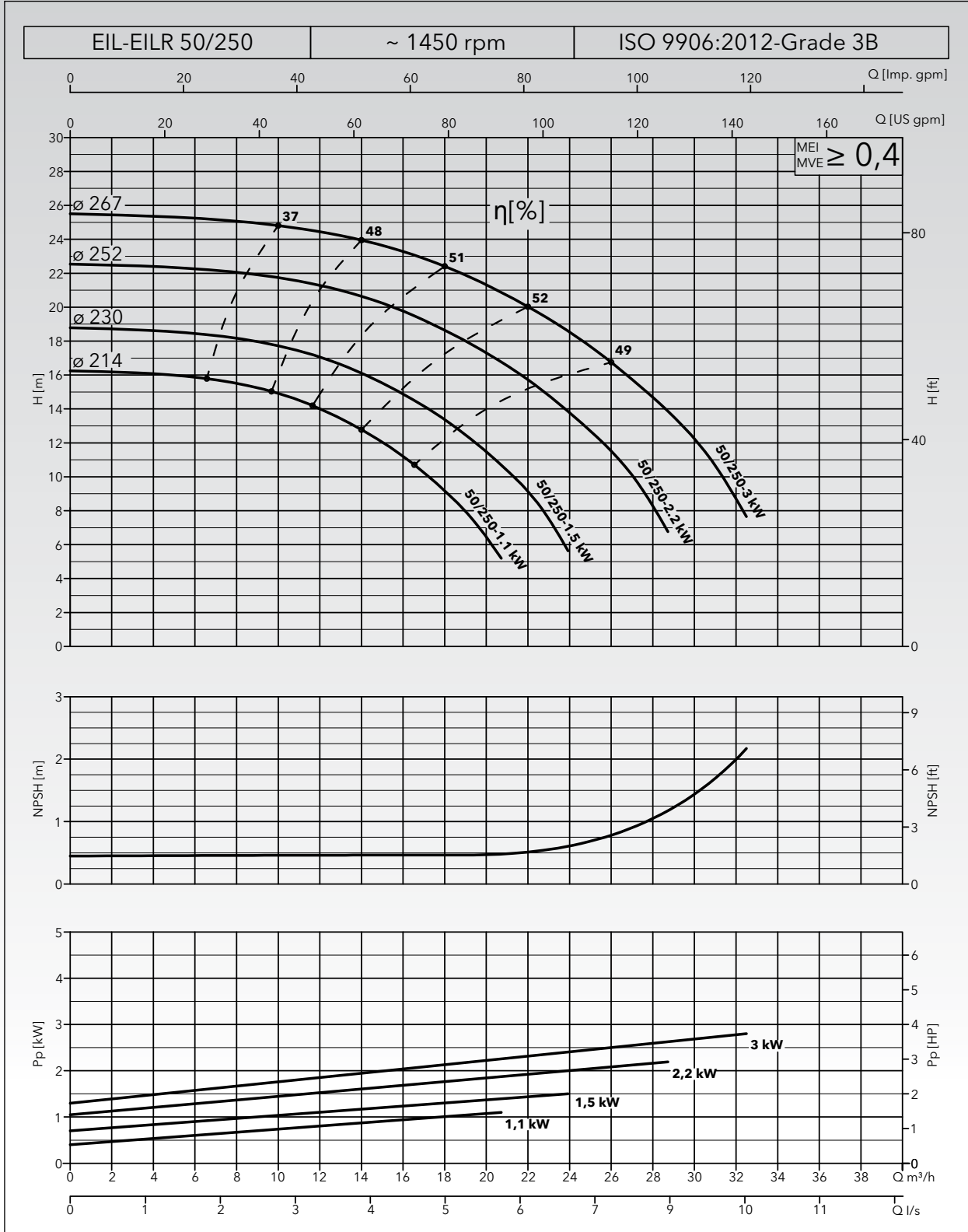




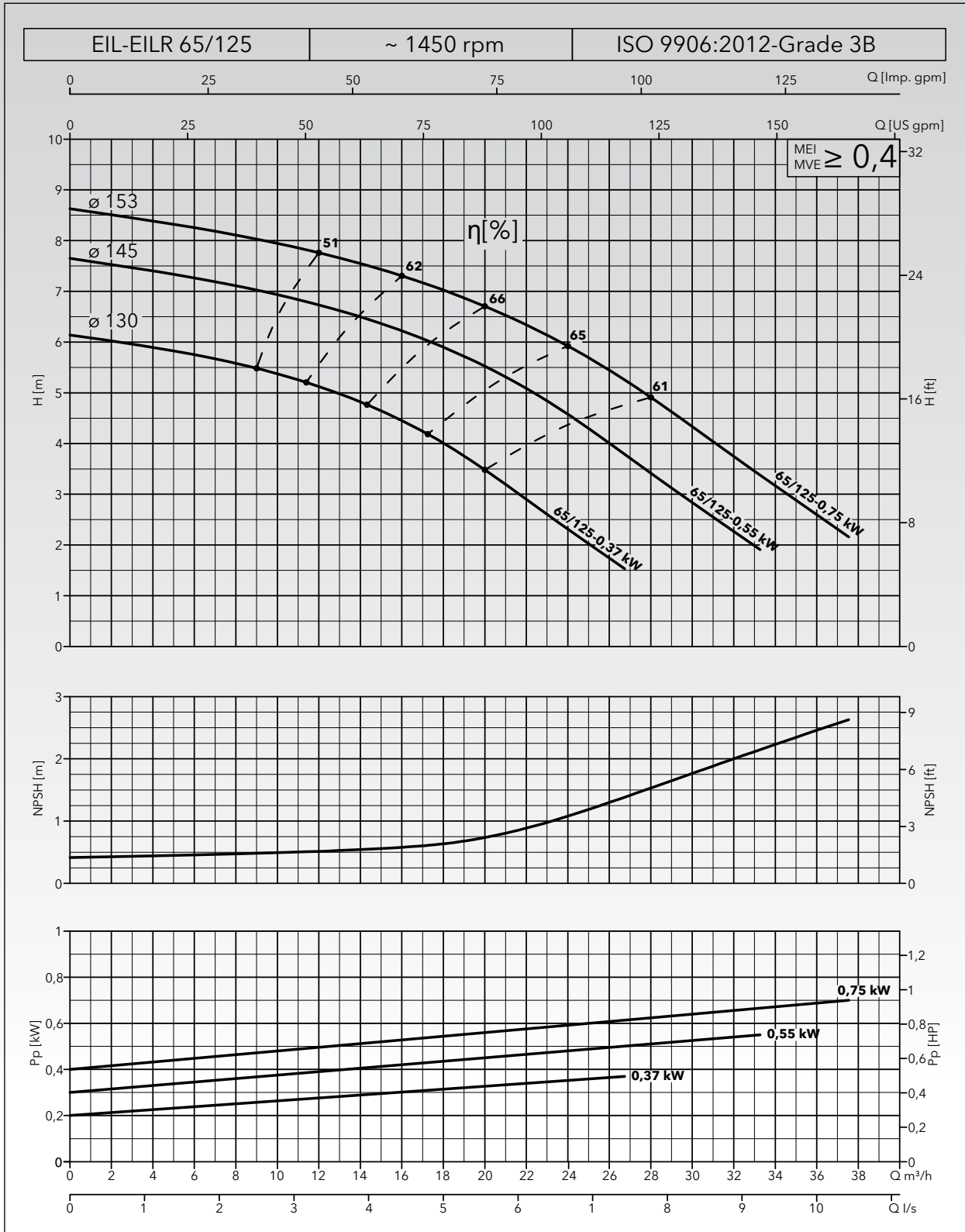
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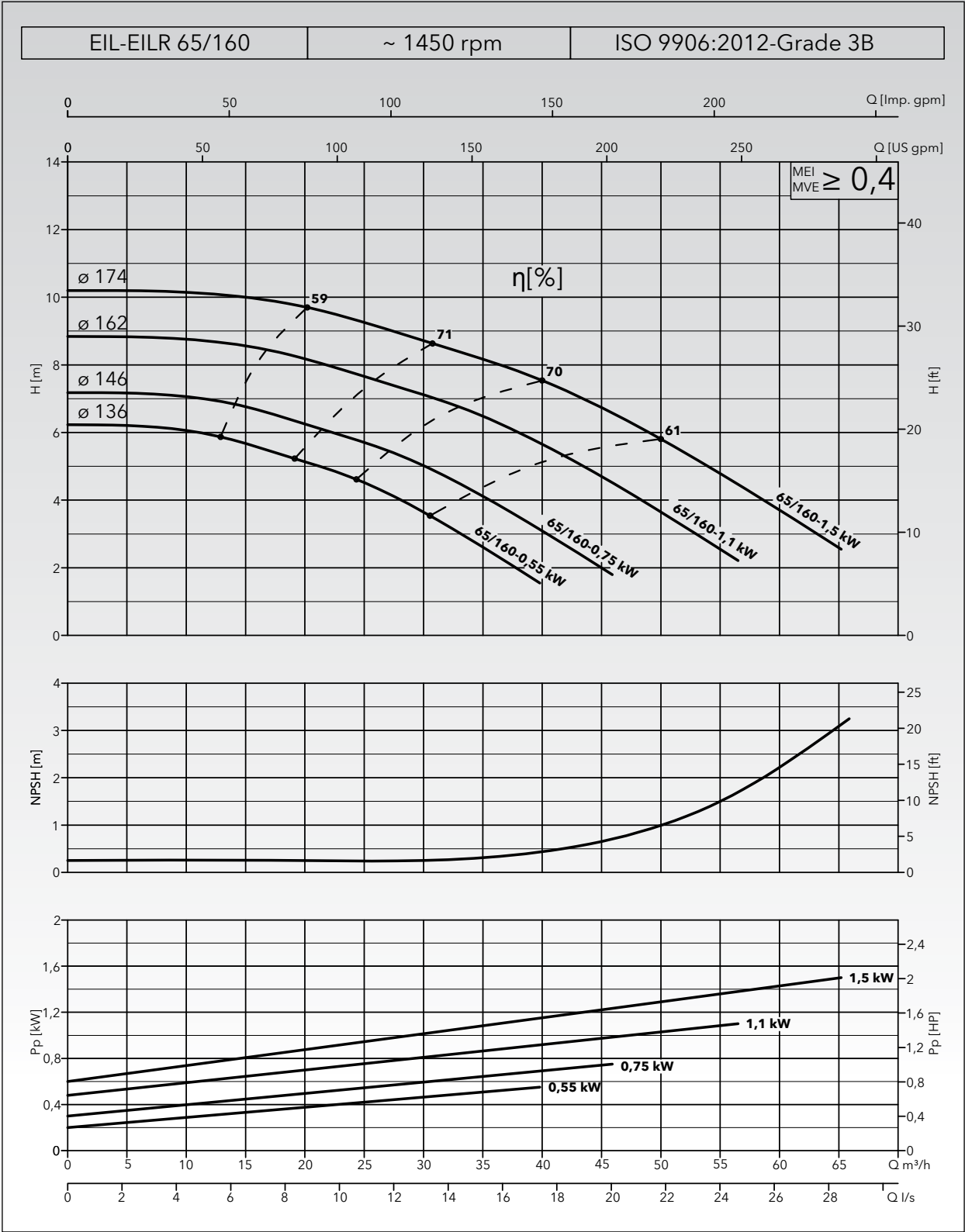


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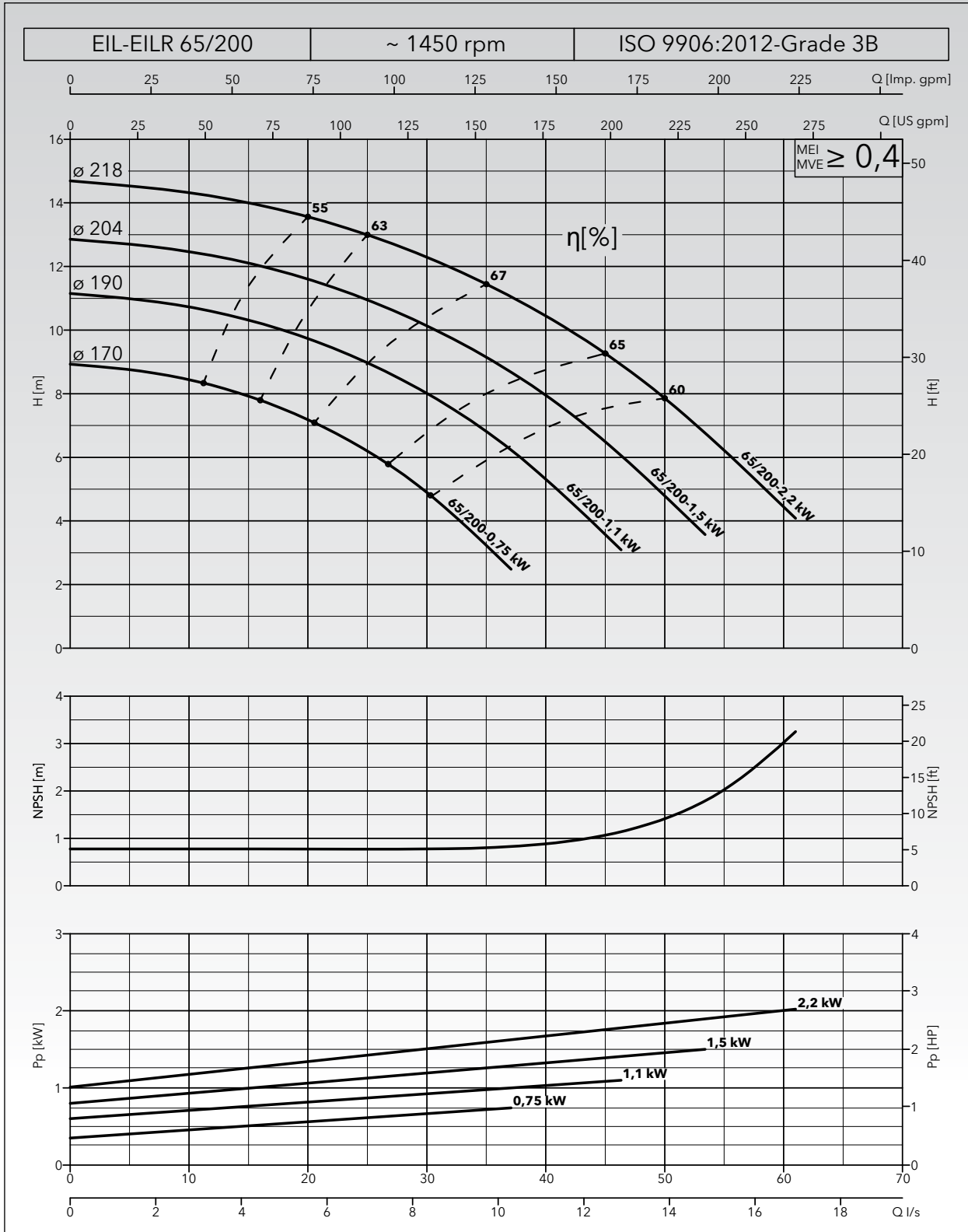


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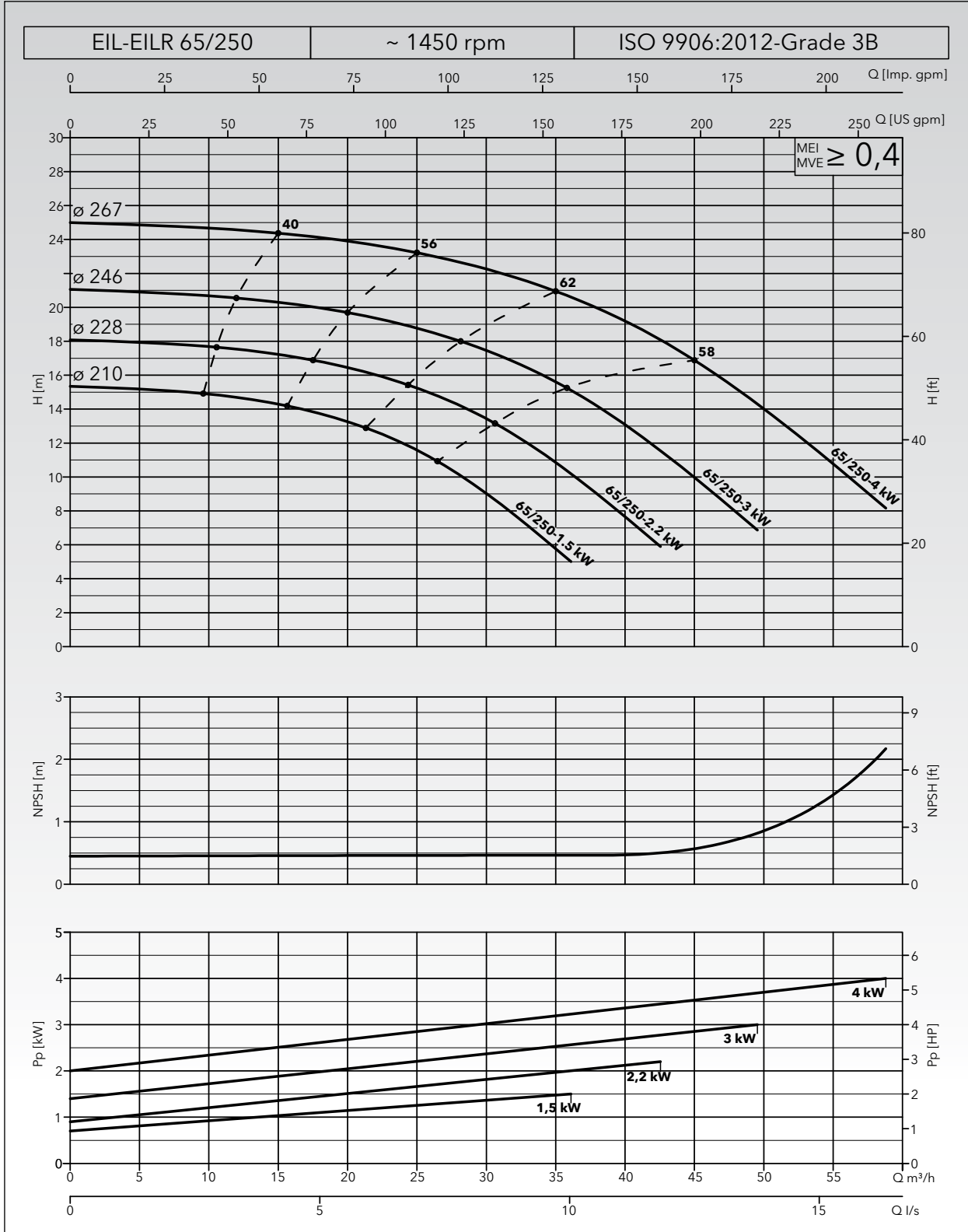




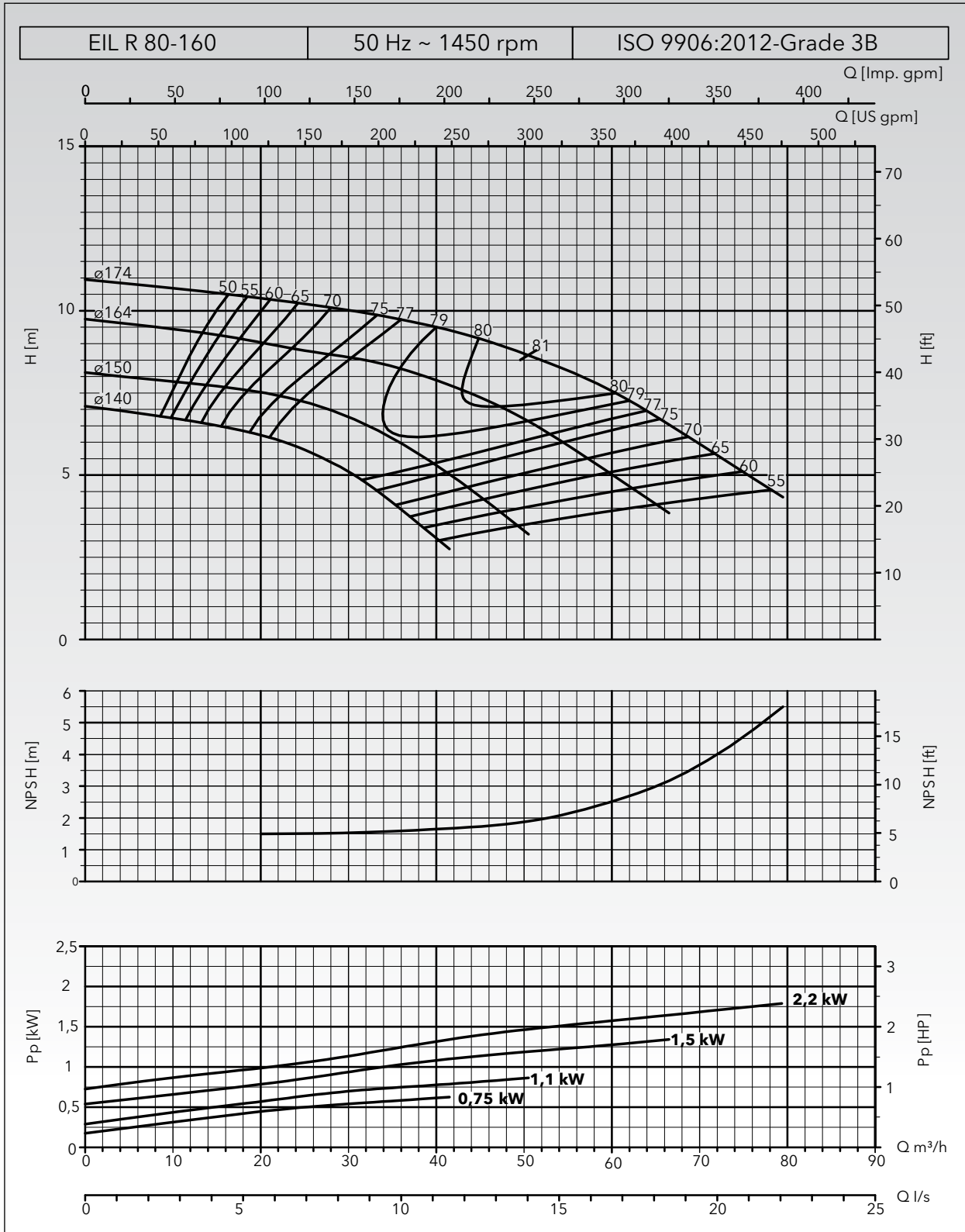
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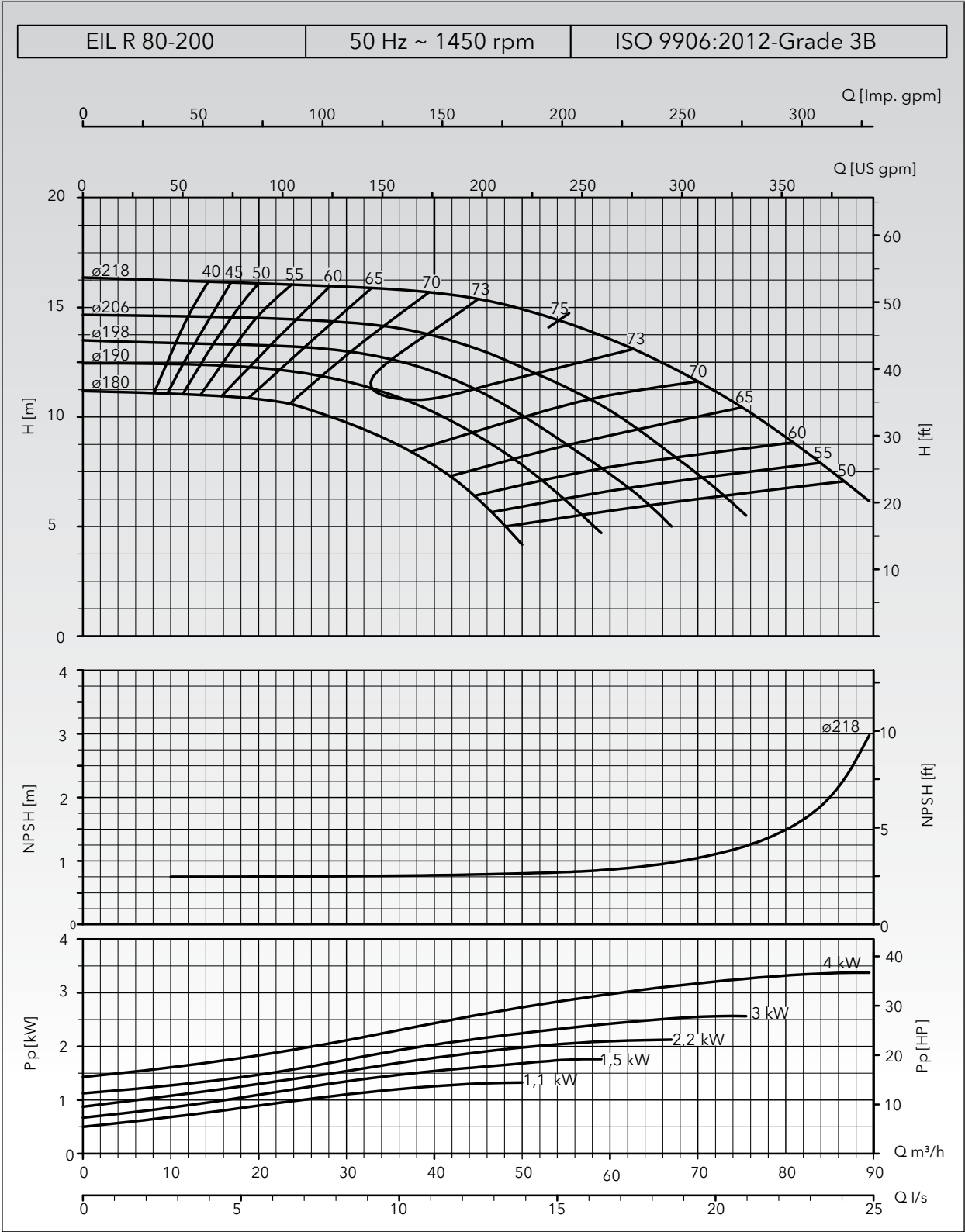
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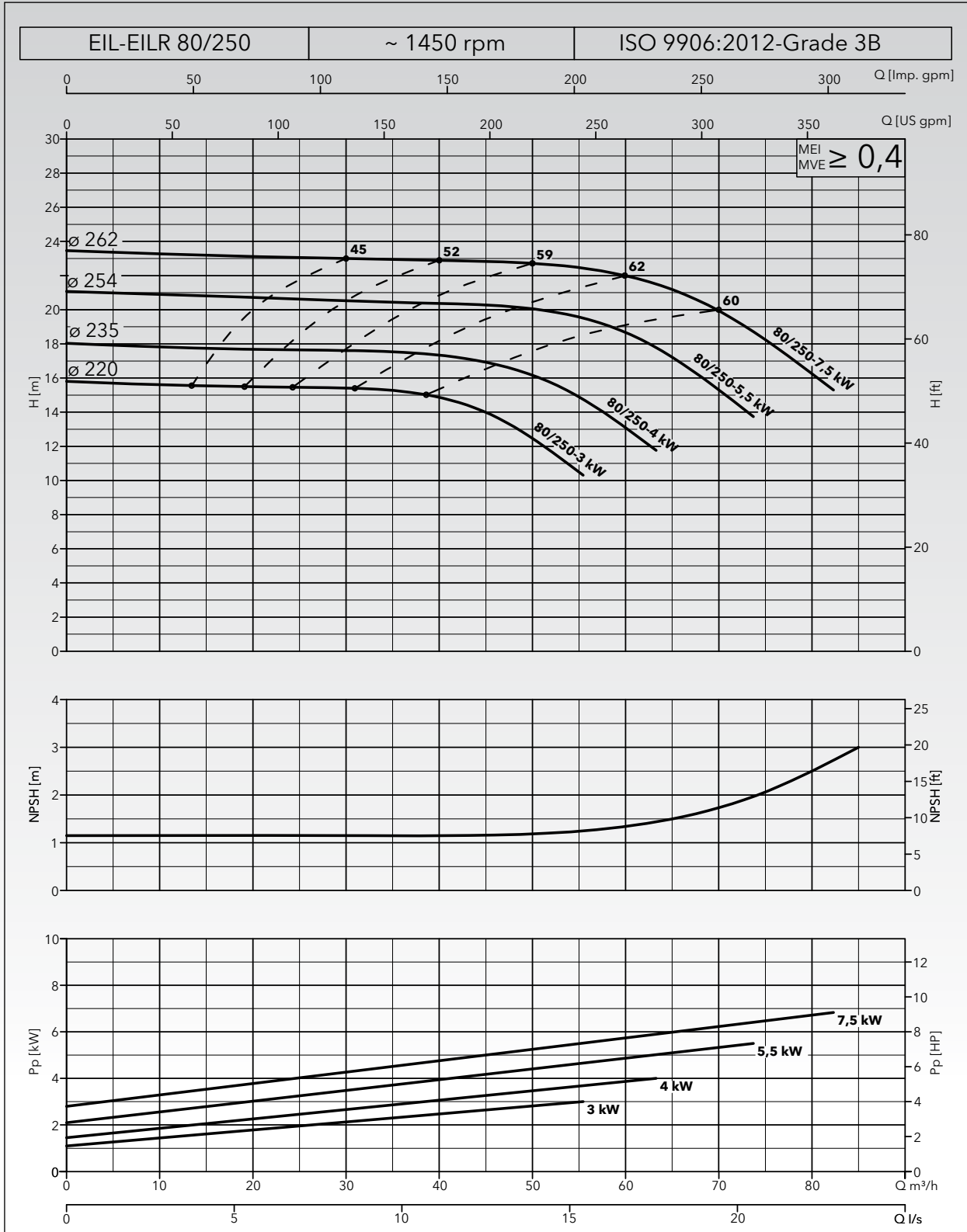
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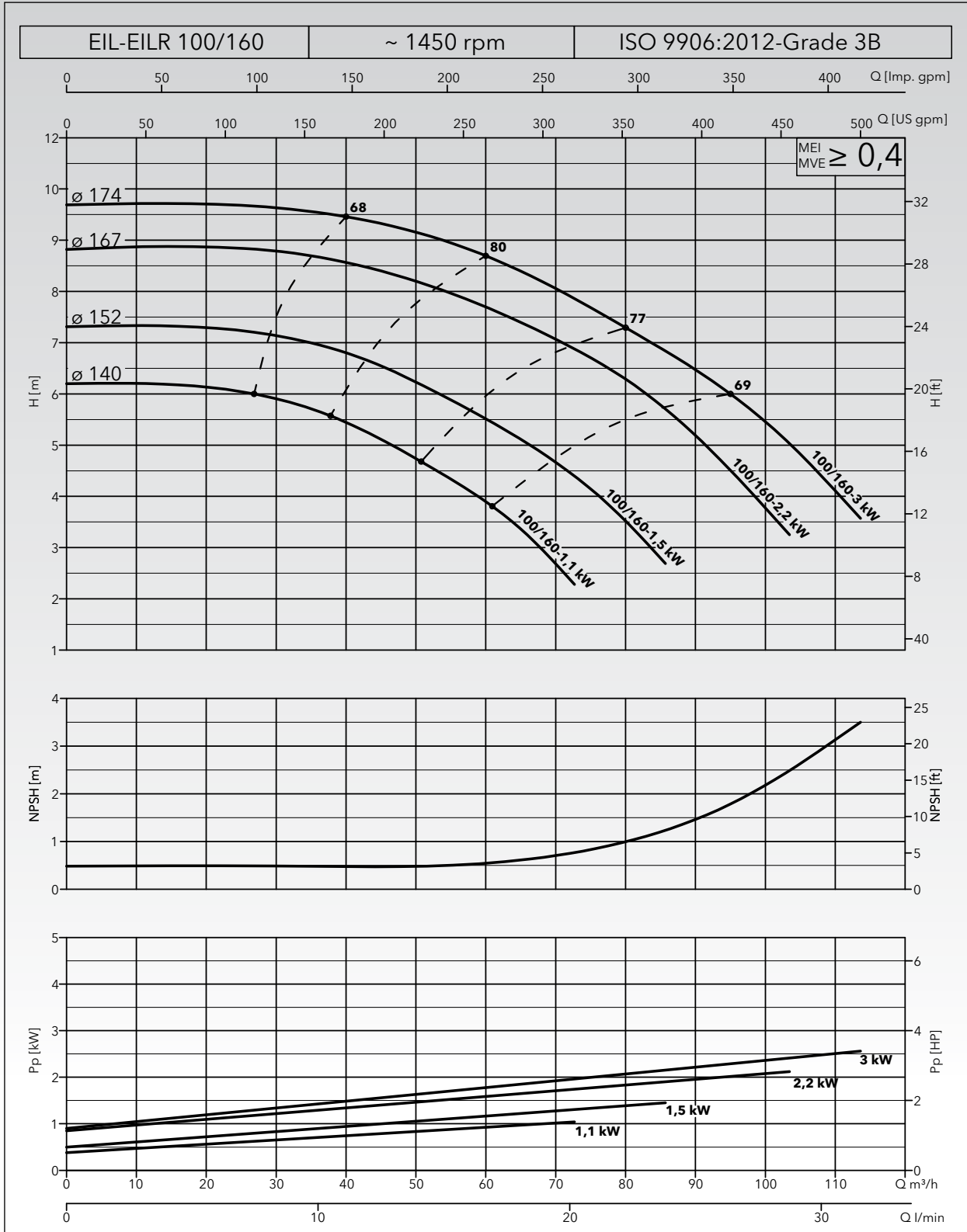


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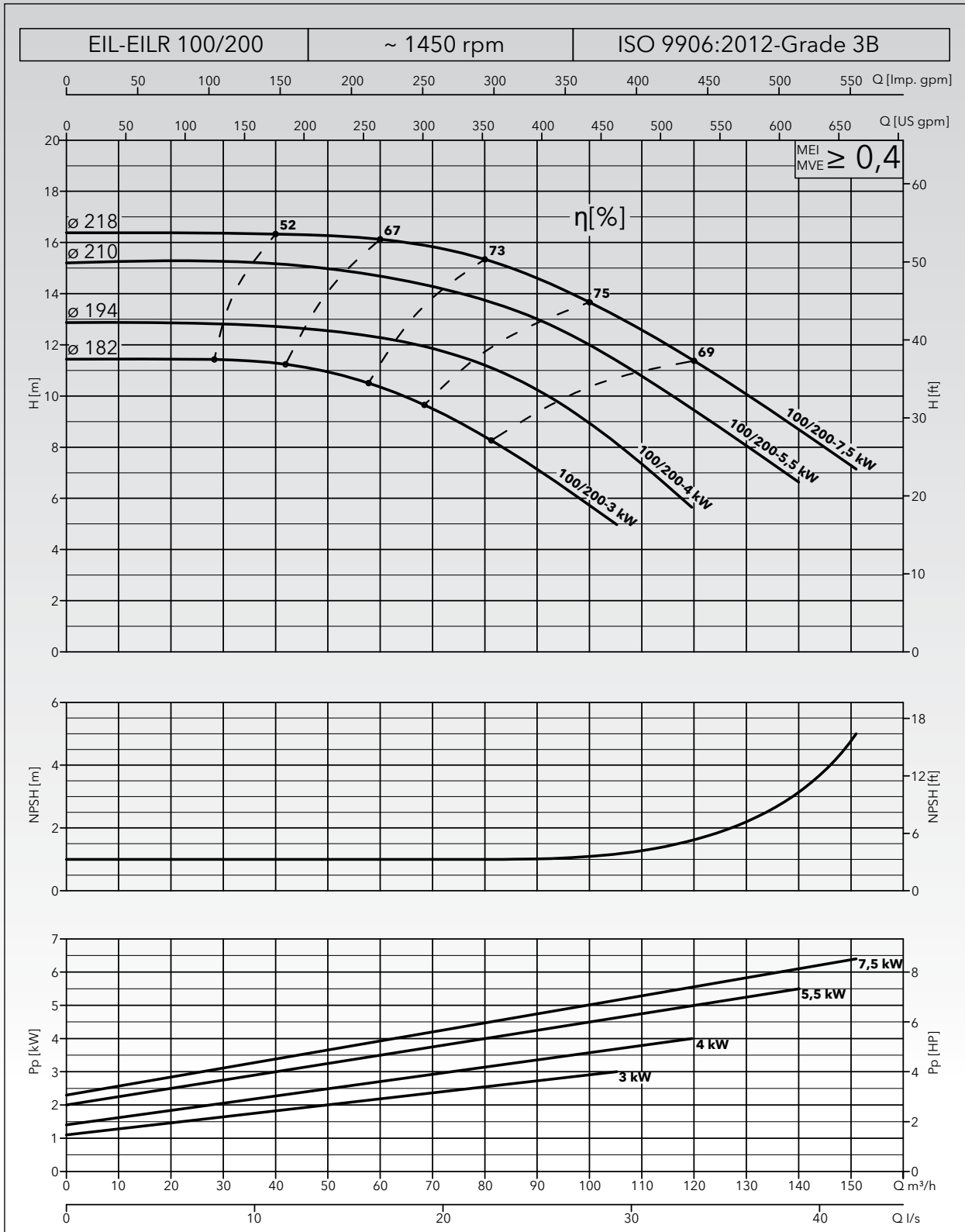


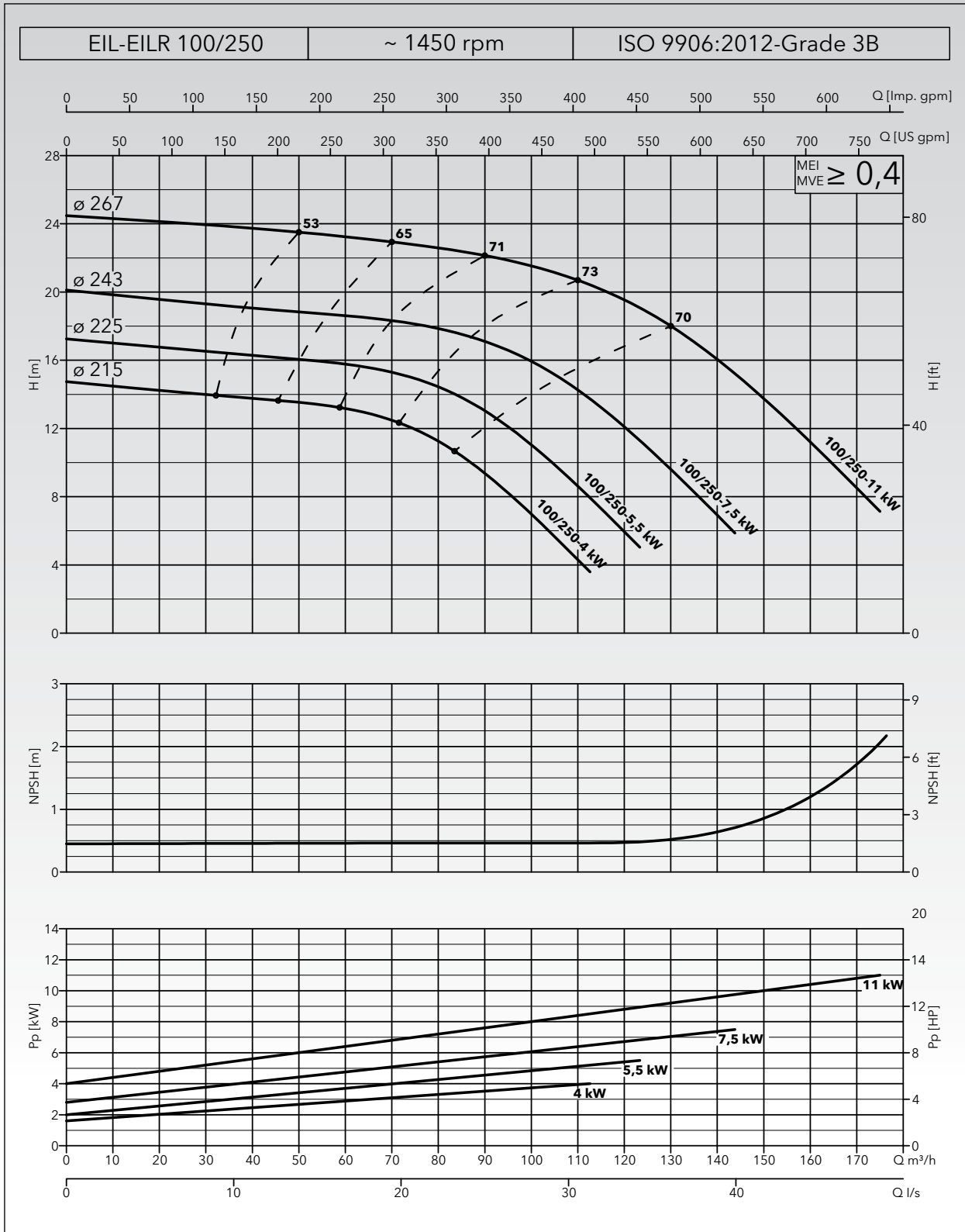
EILR4 SERİSİ HİDROLİK PERFORMANS EĞRİLERİ



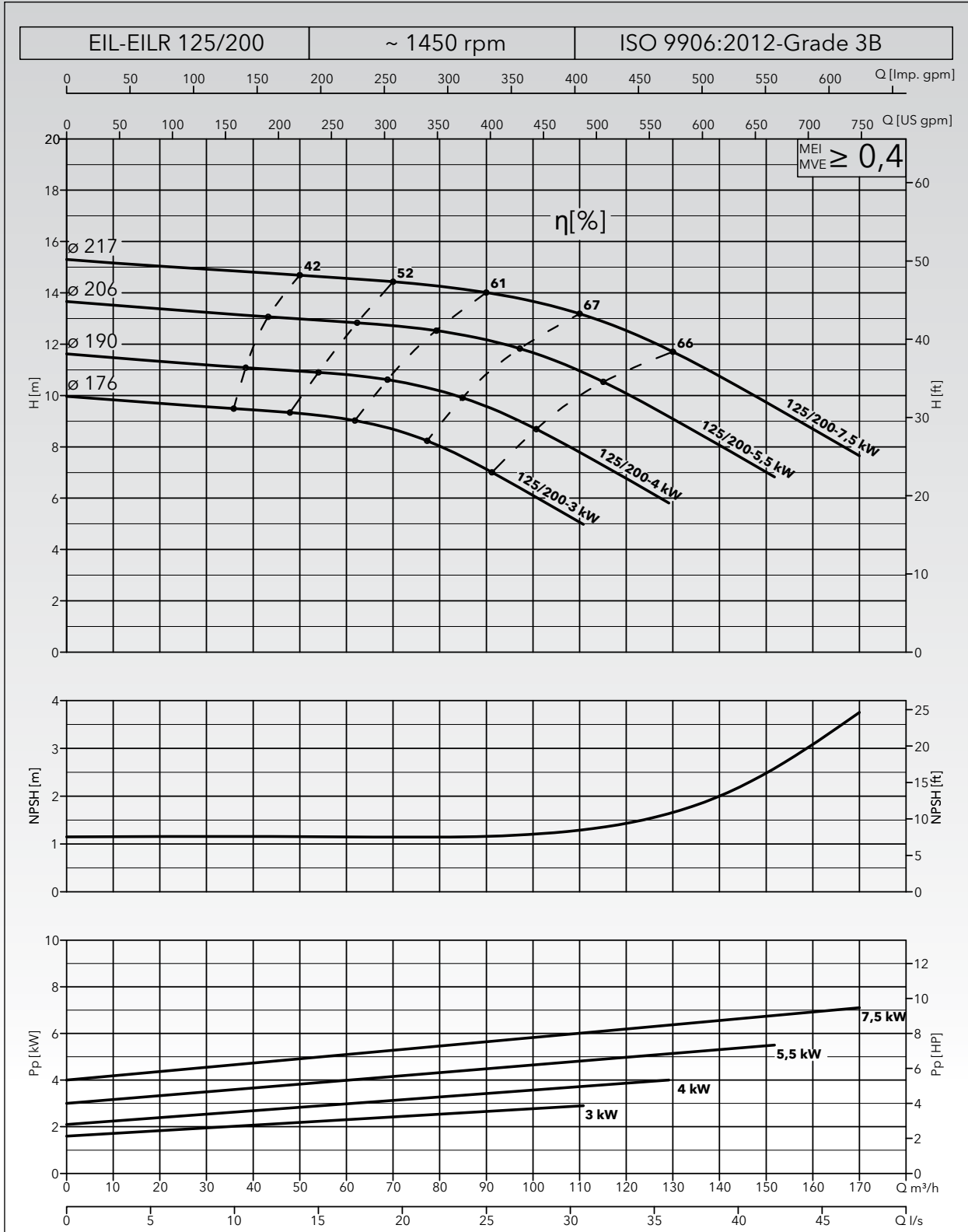


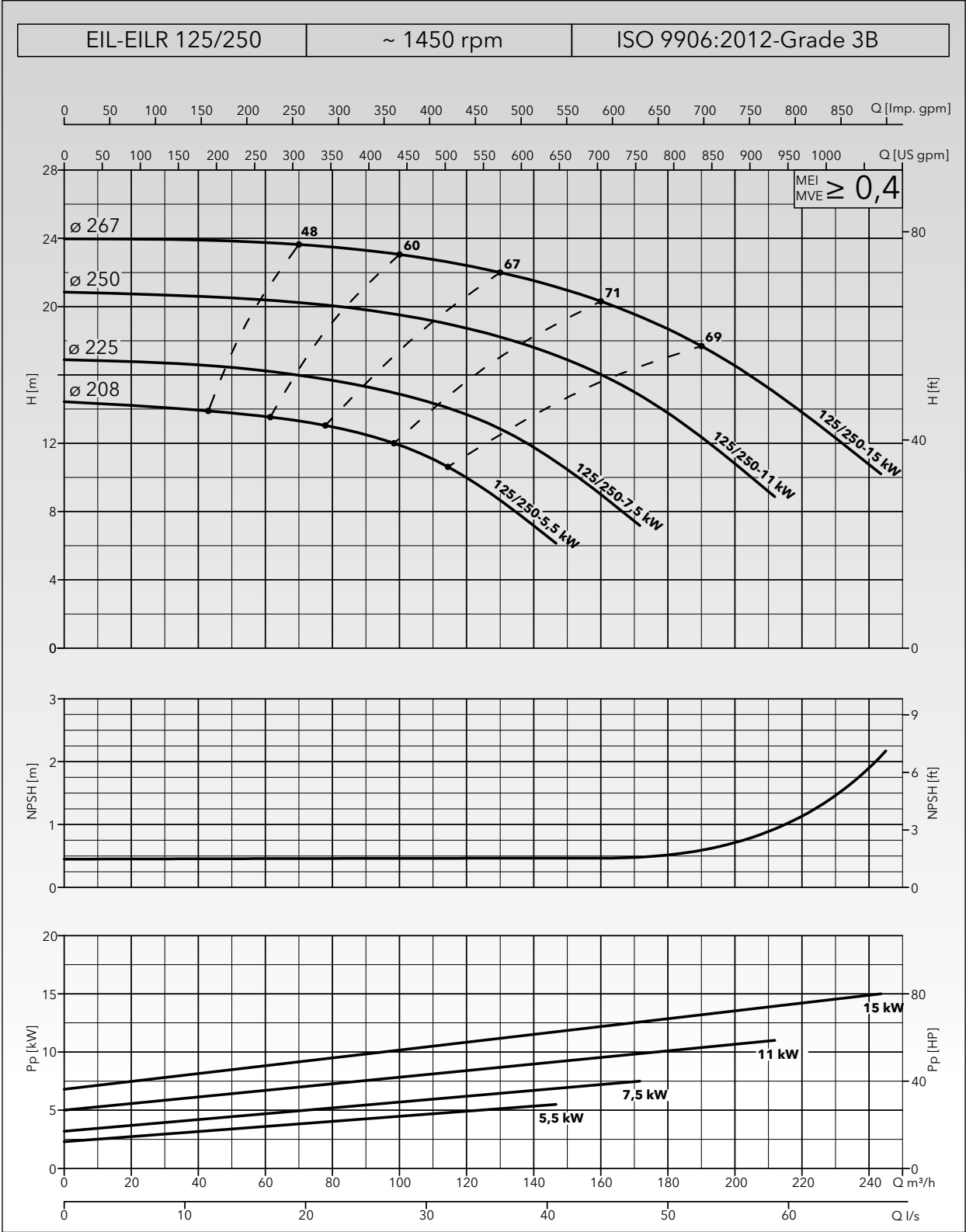
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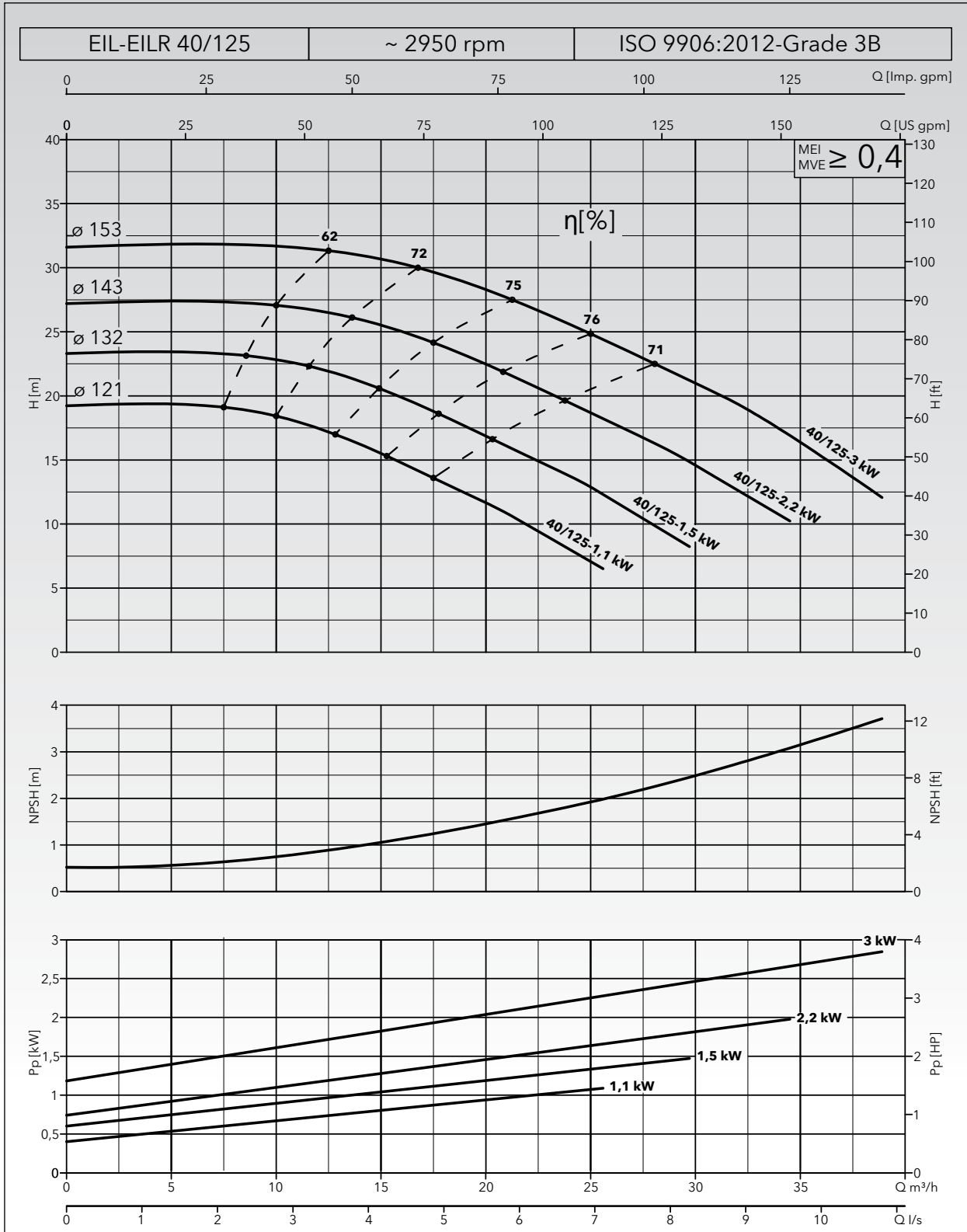


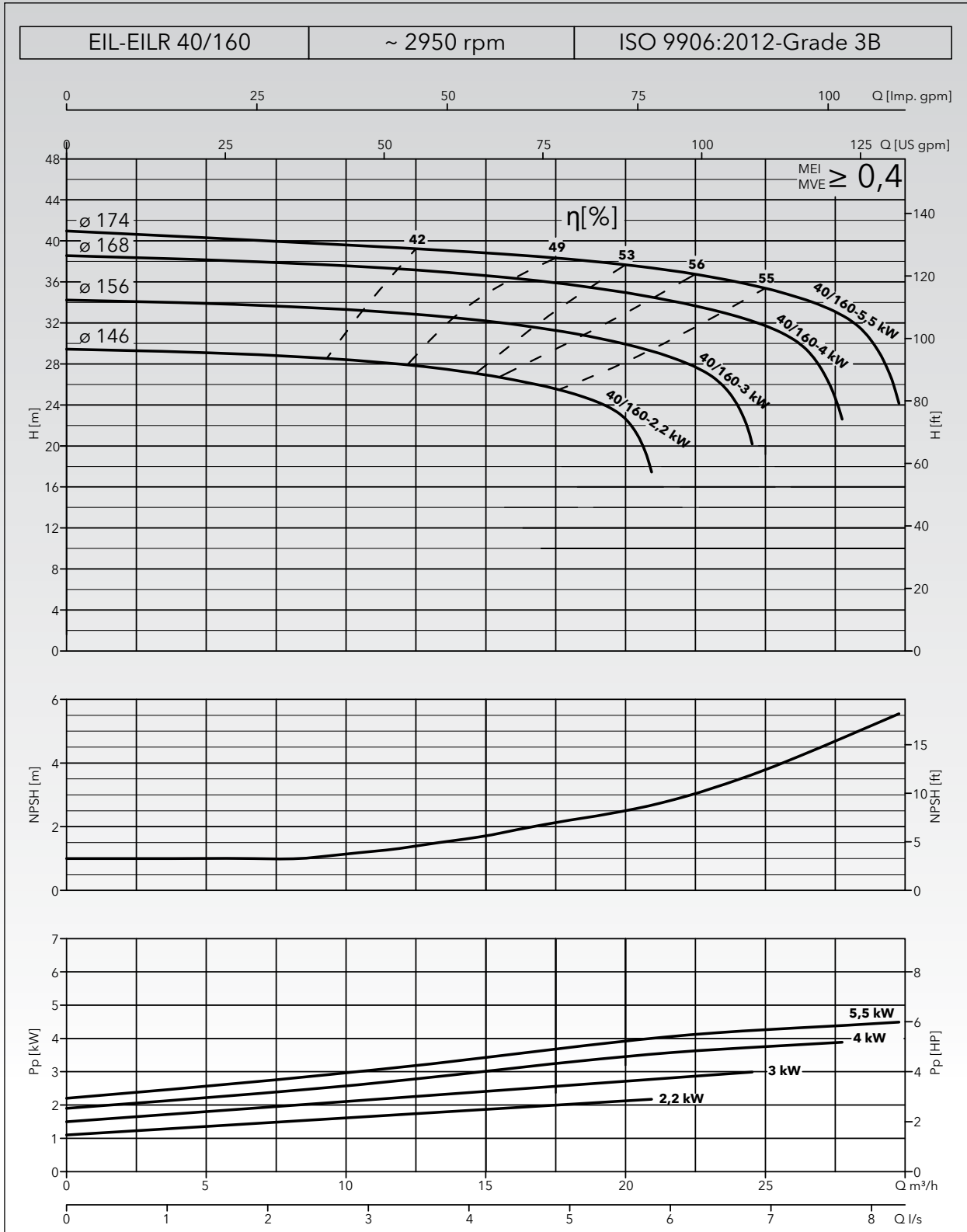
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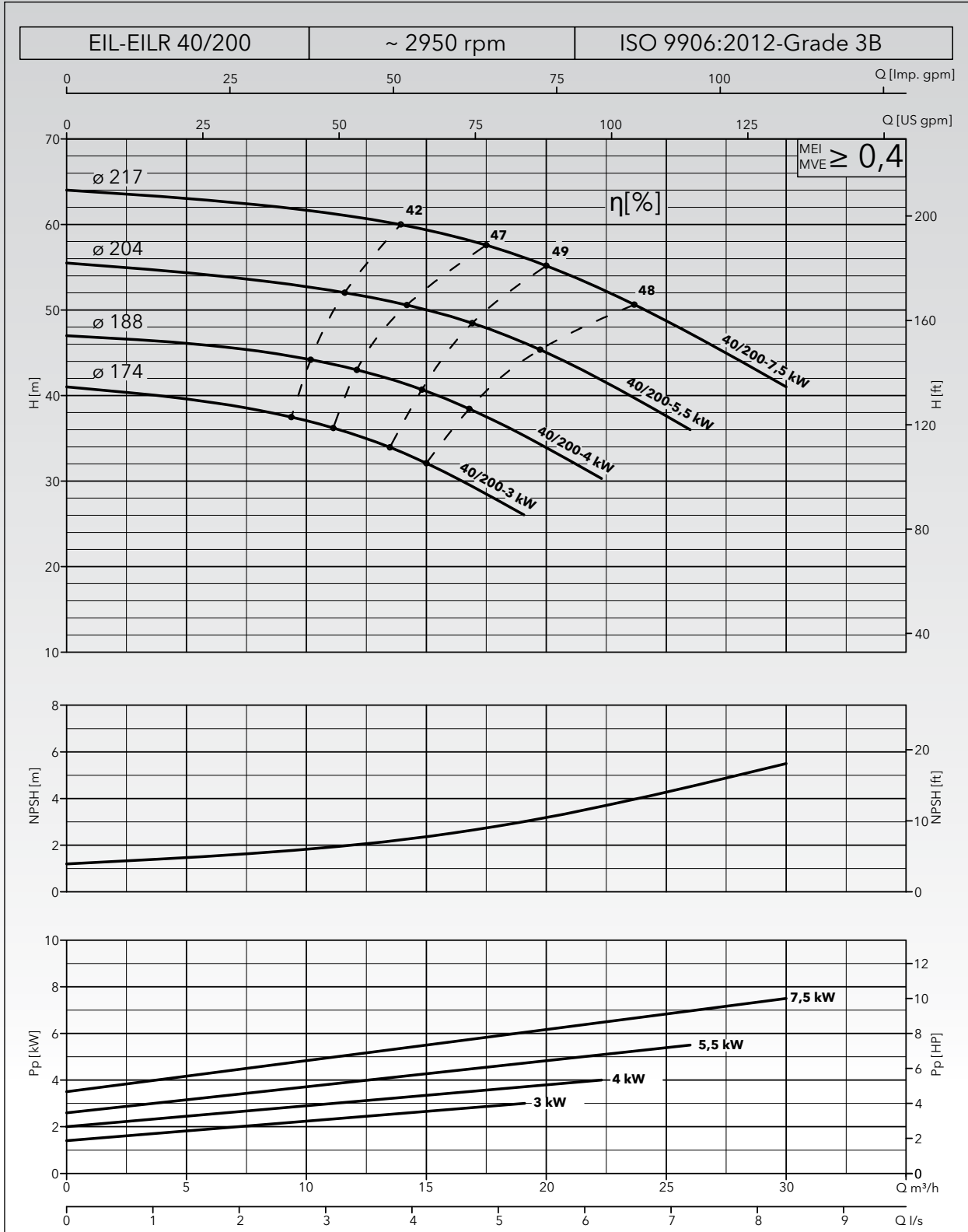


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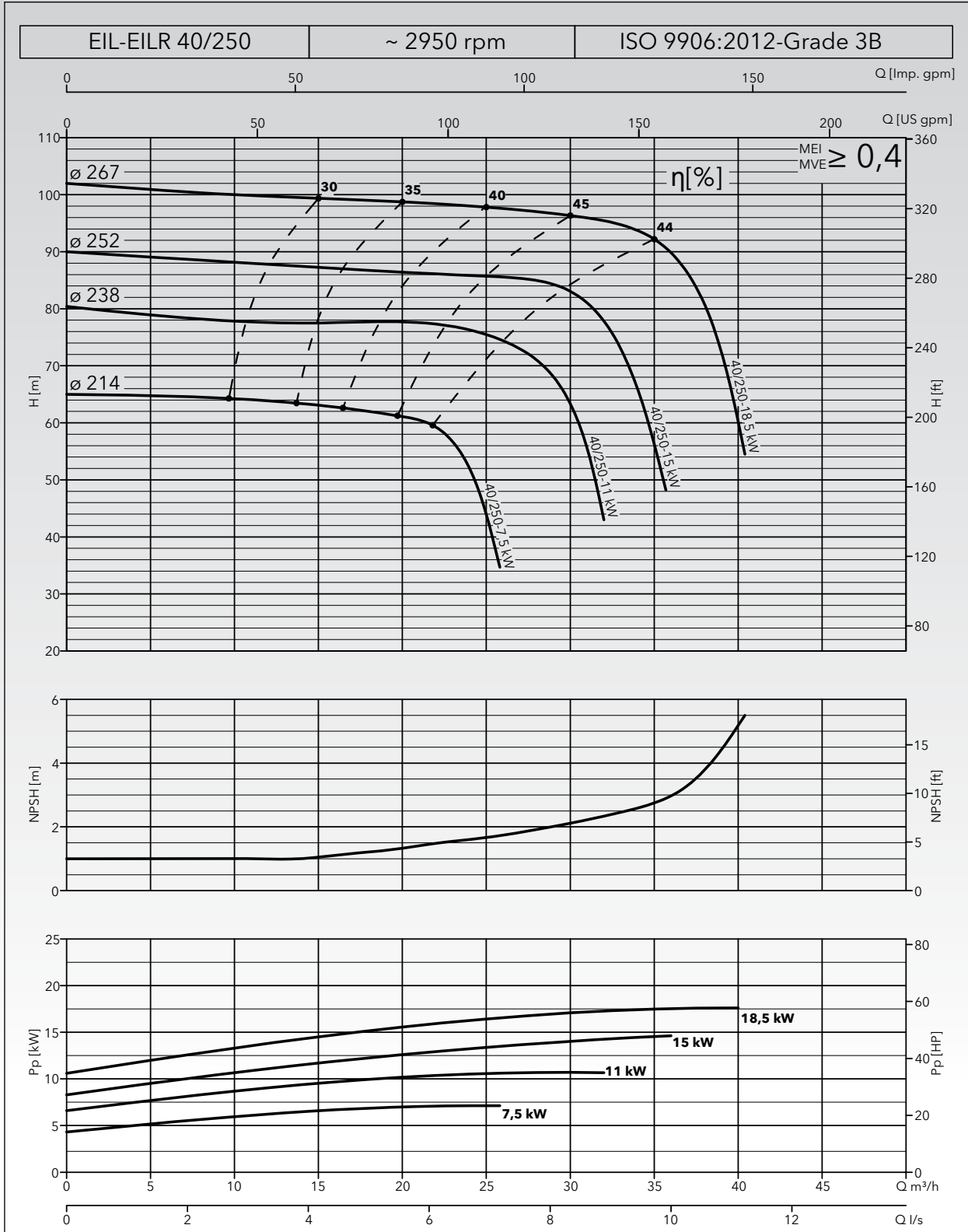




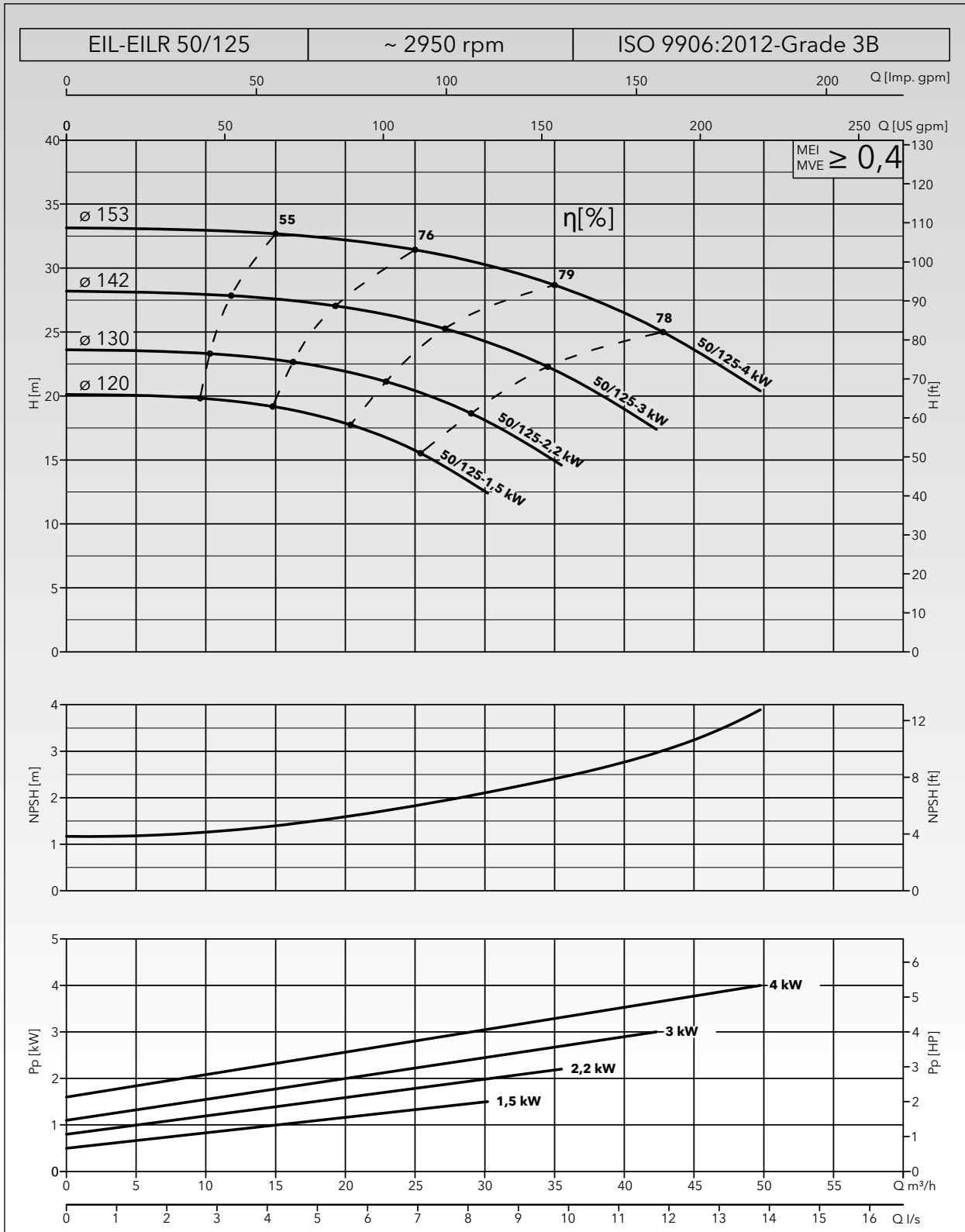
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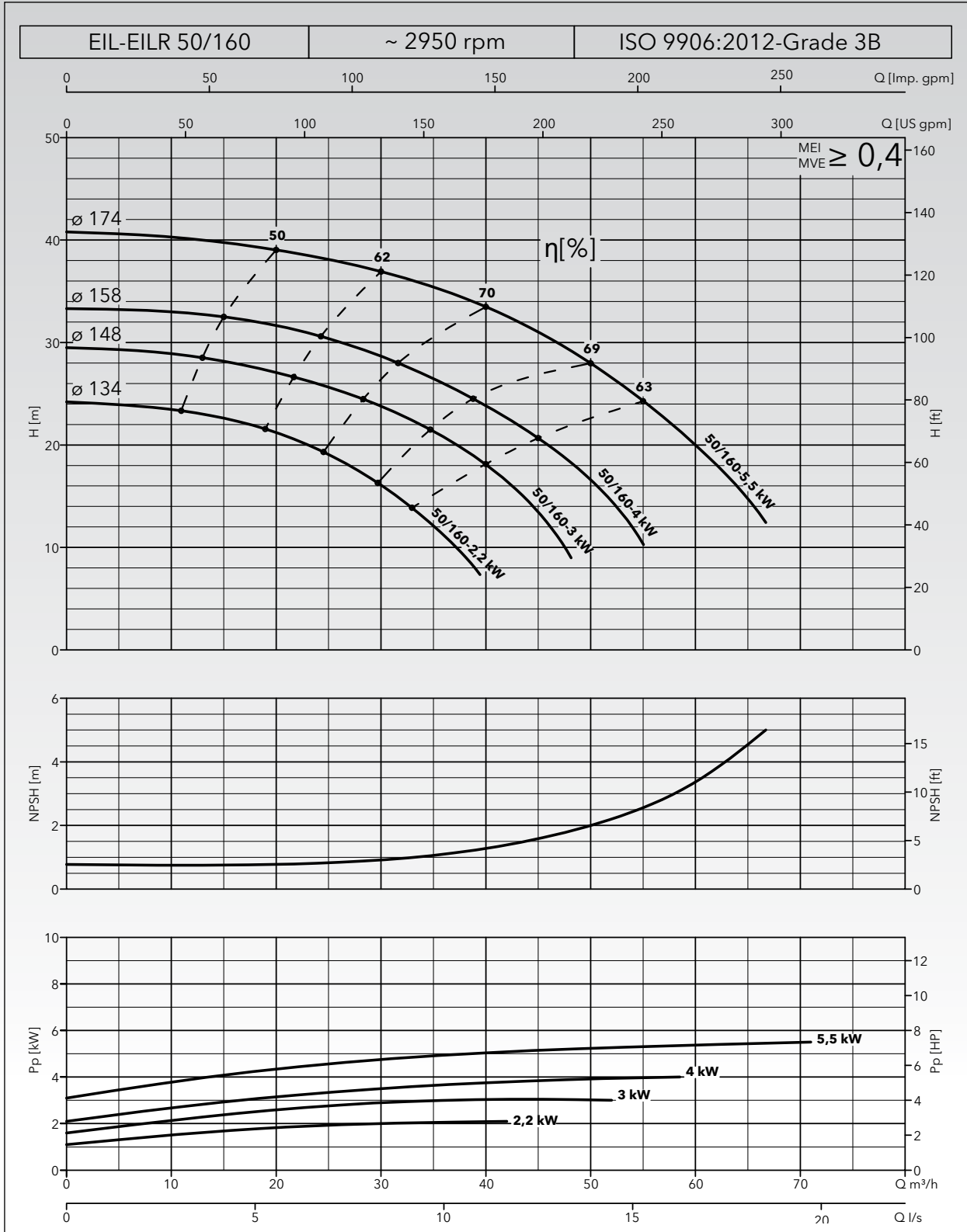


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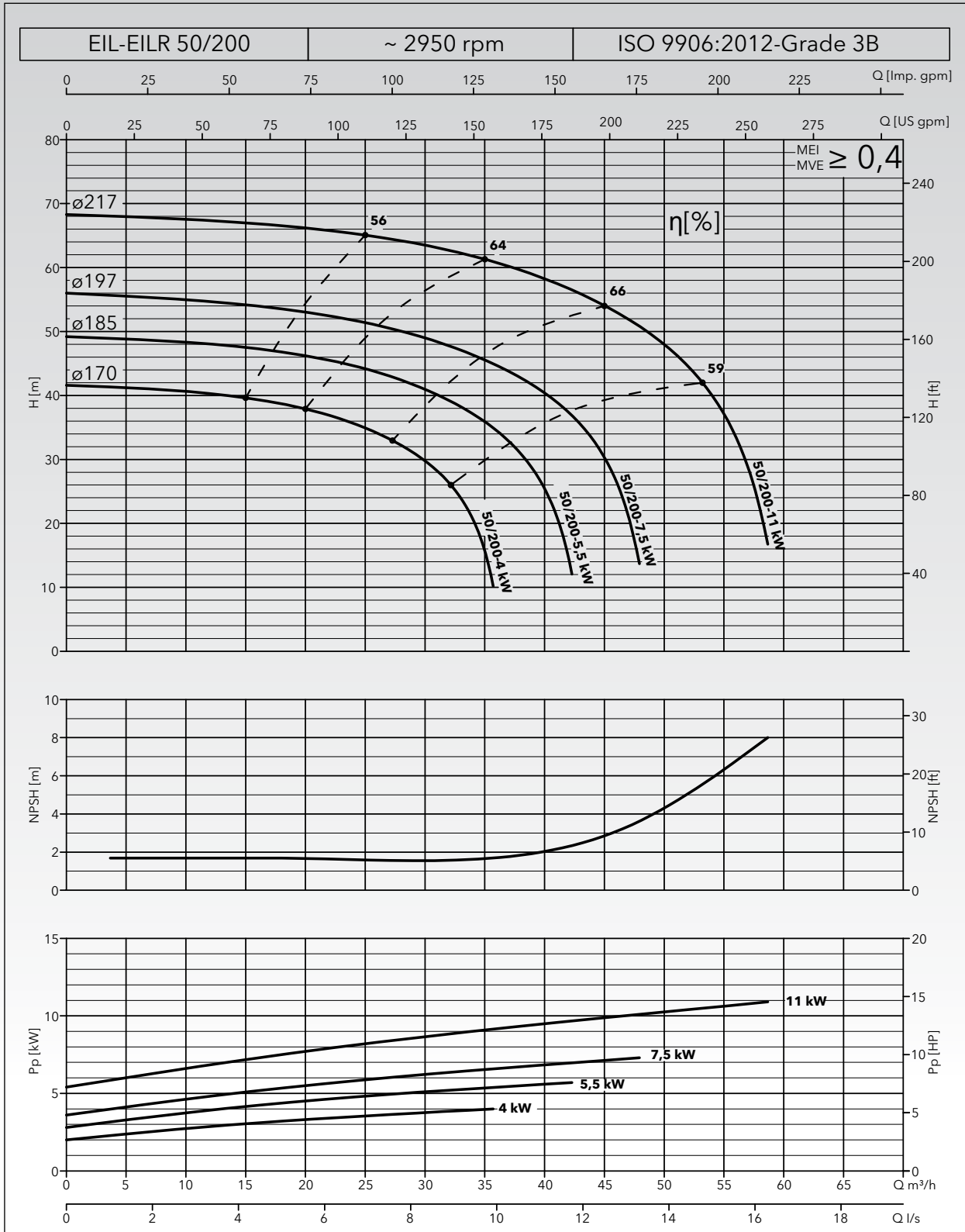


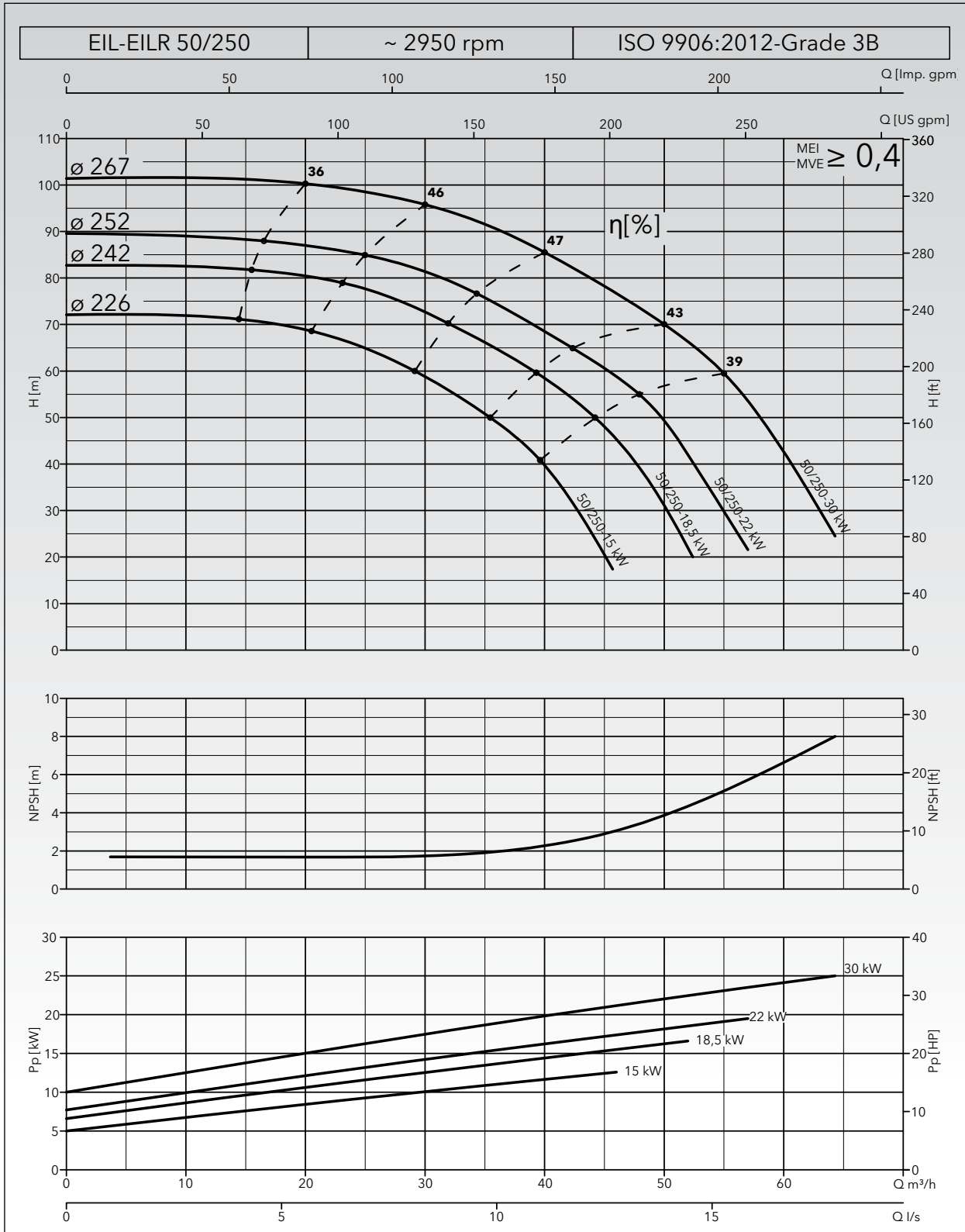
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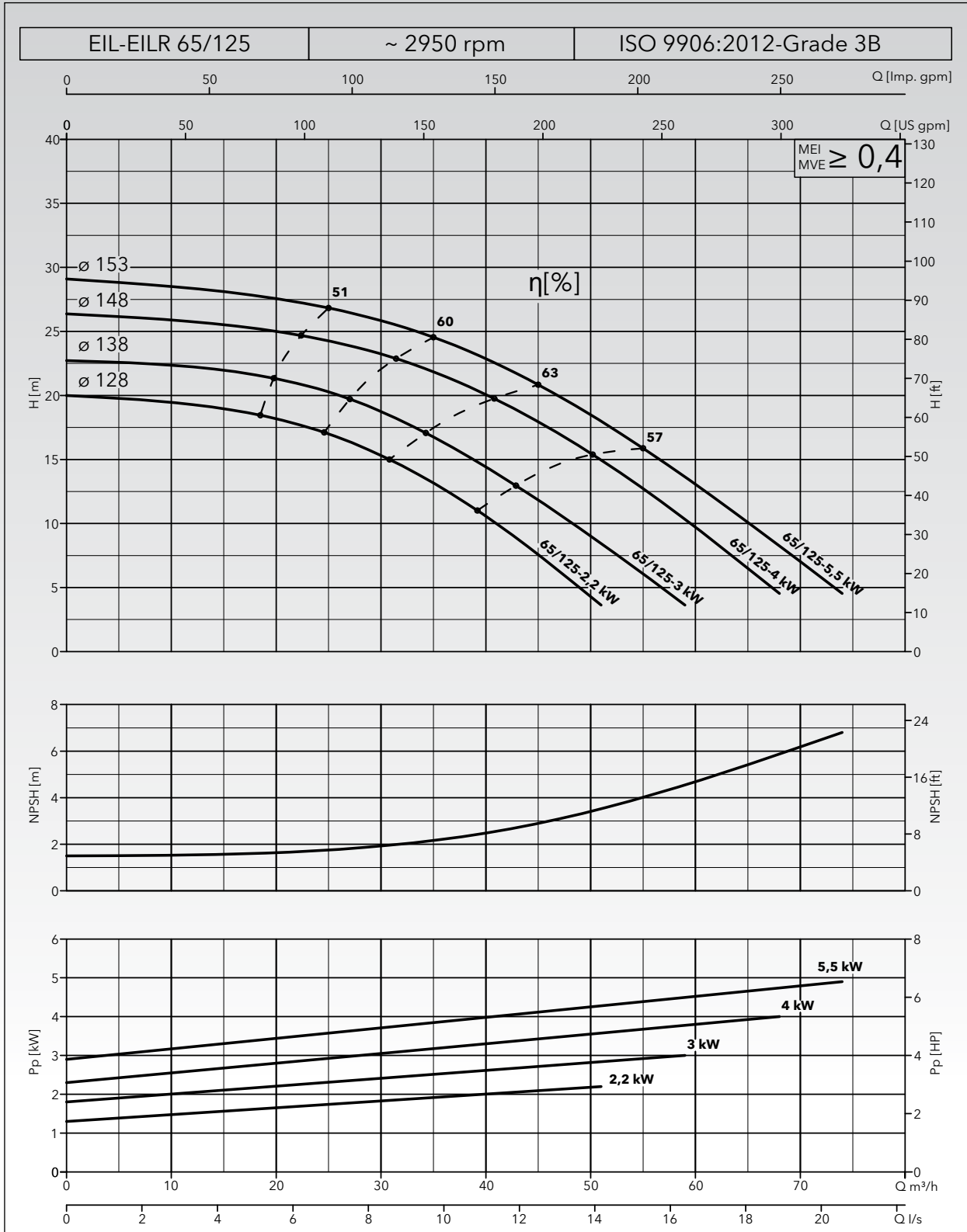


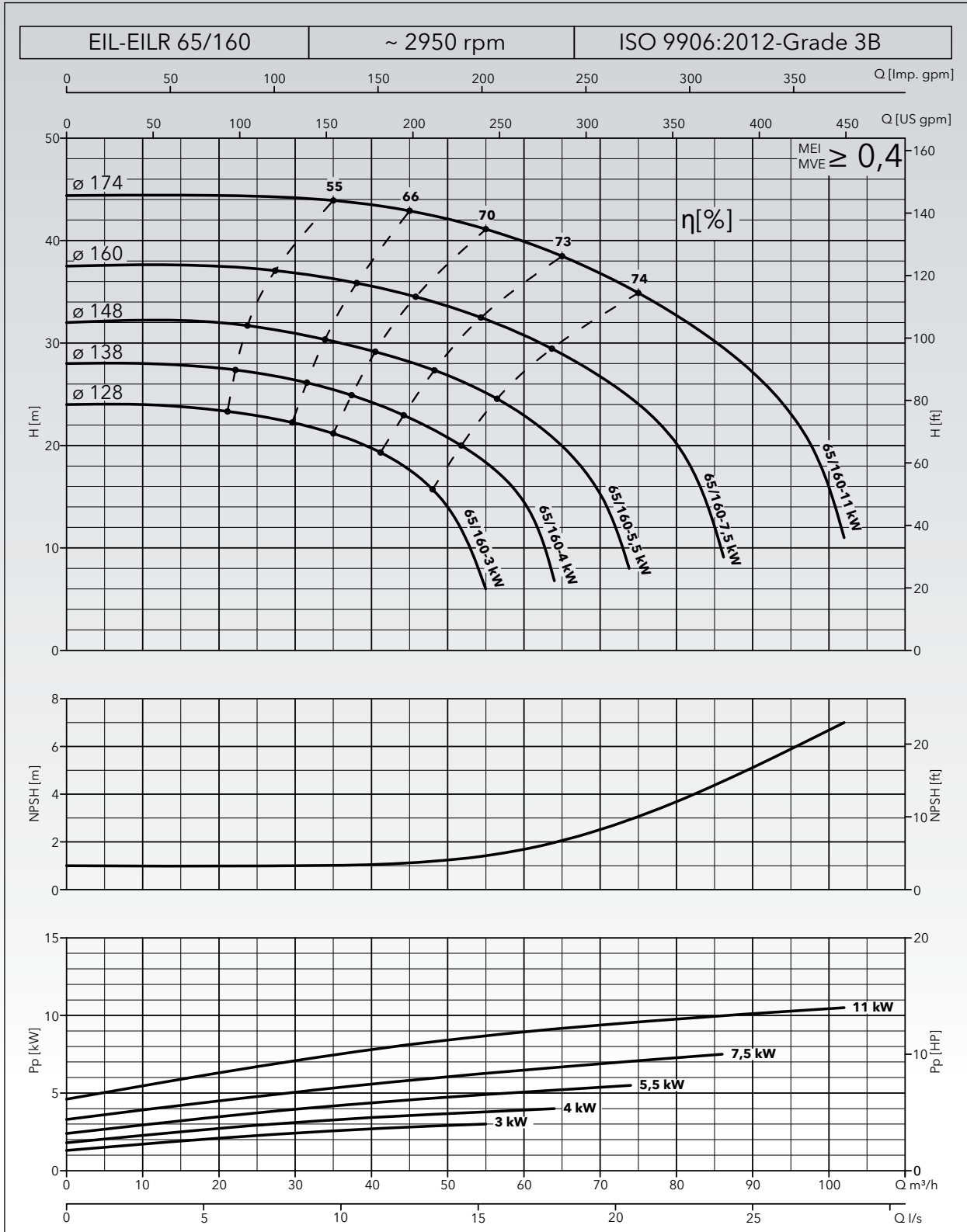
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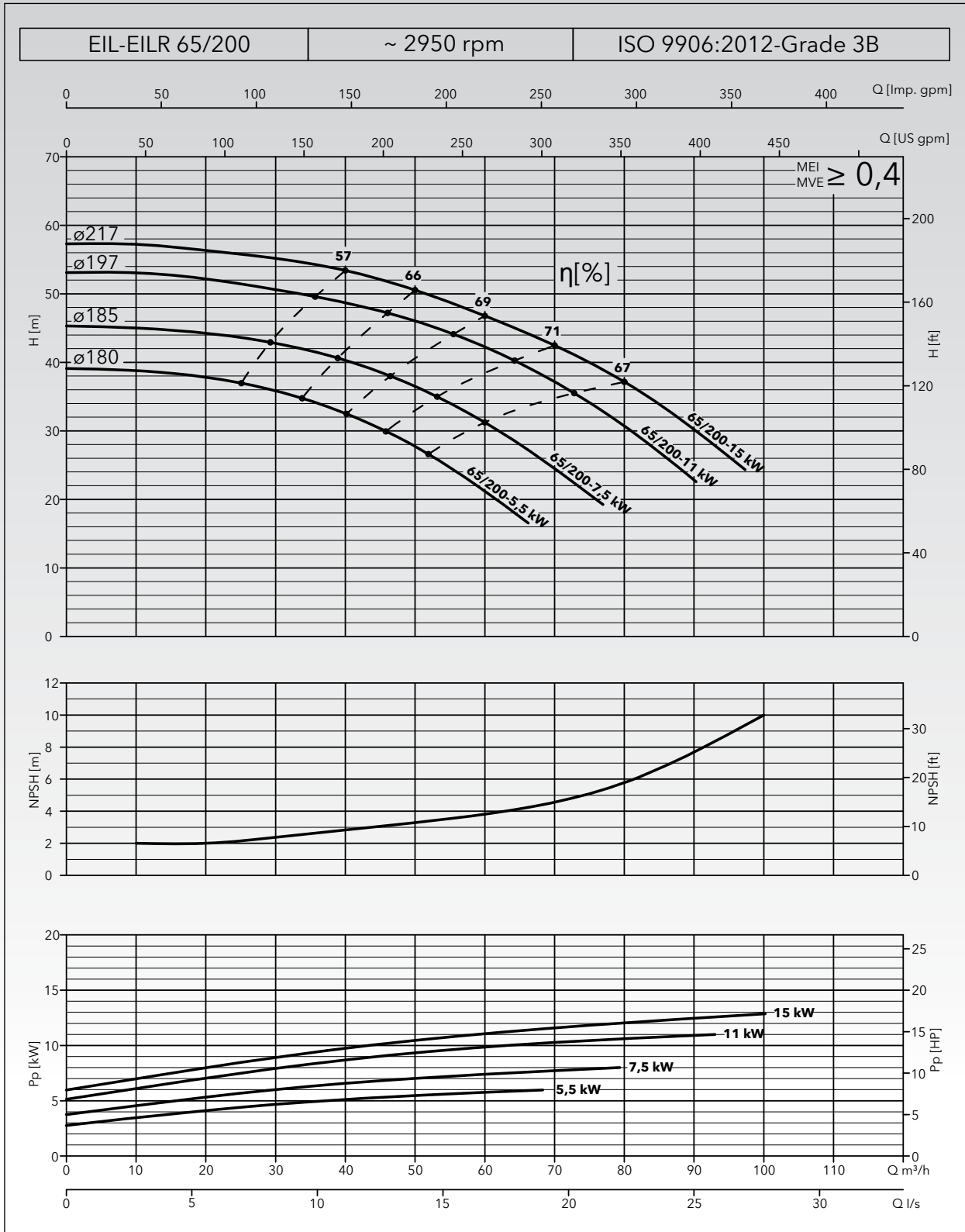


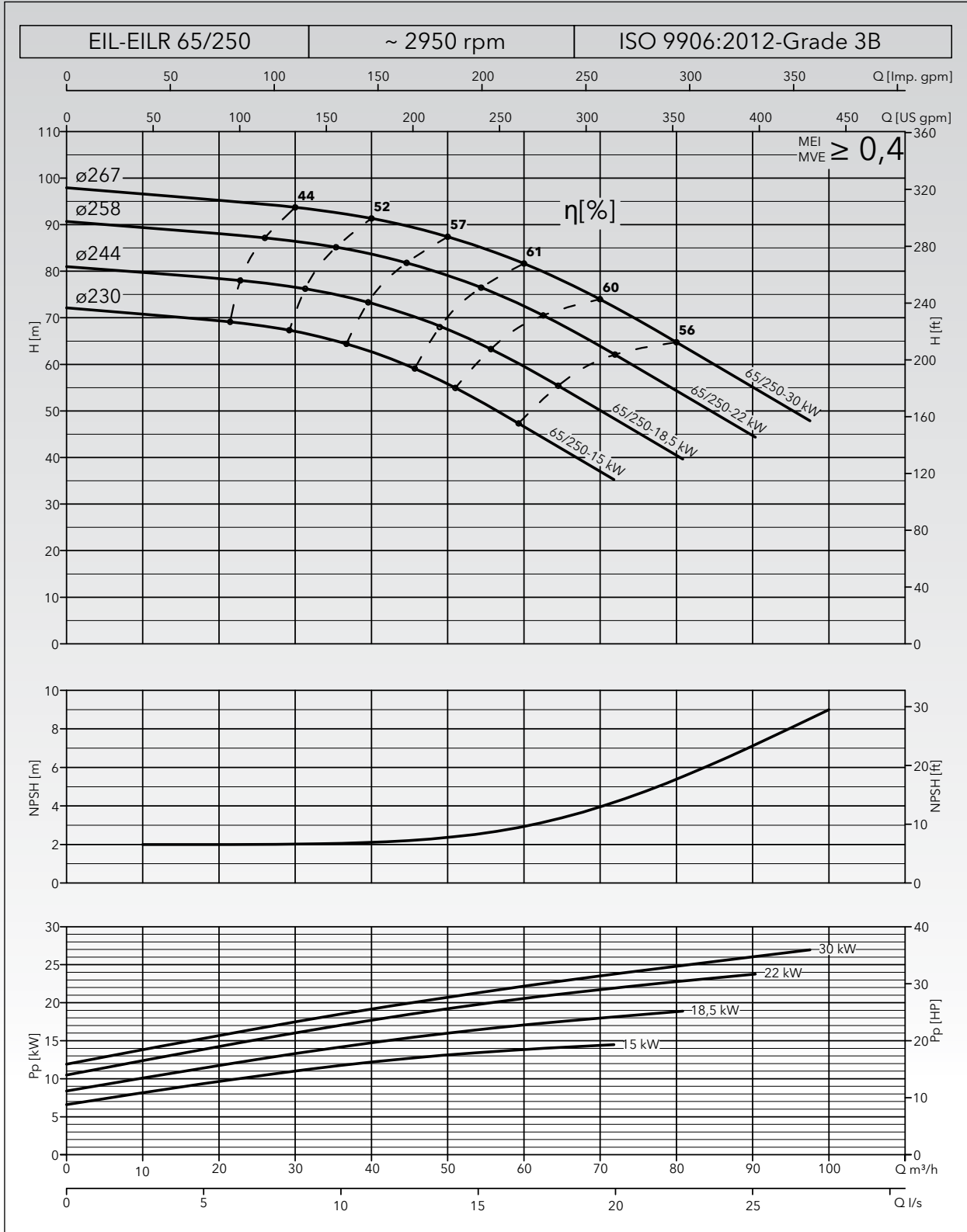
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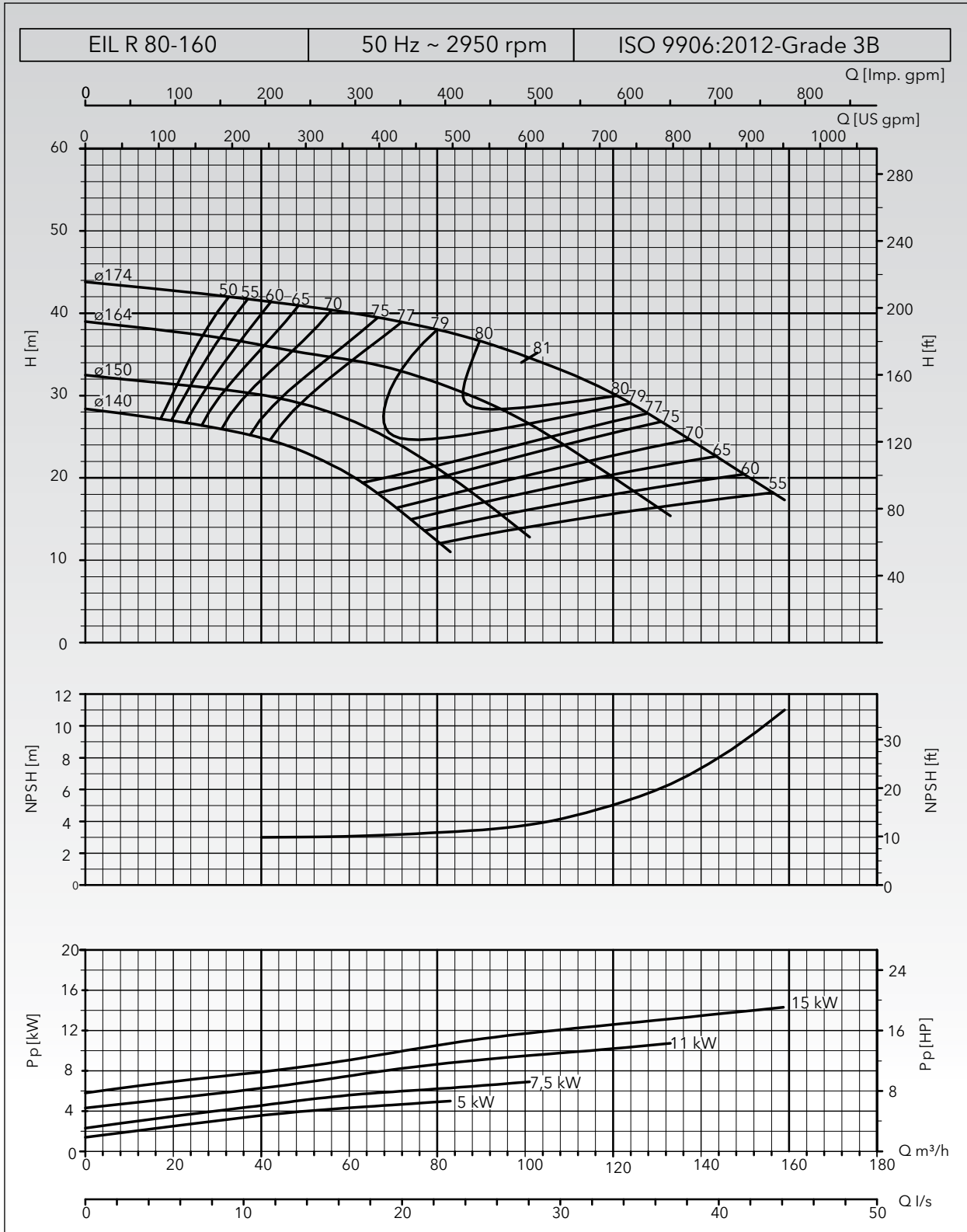


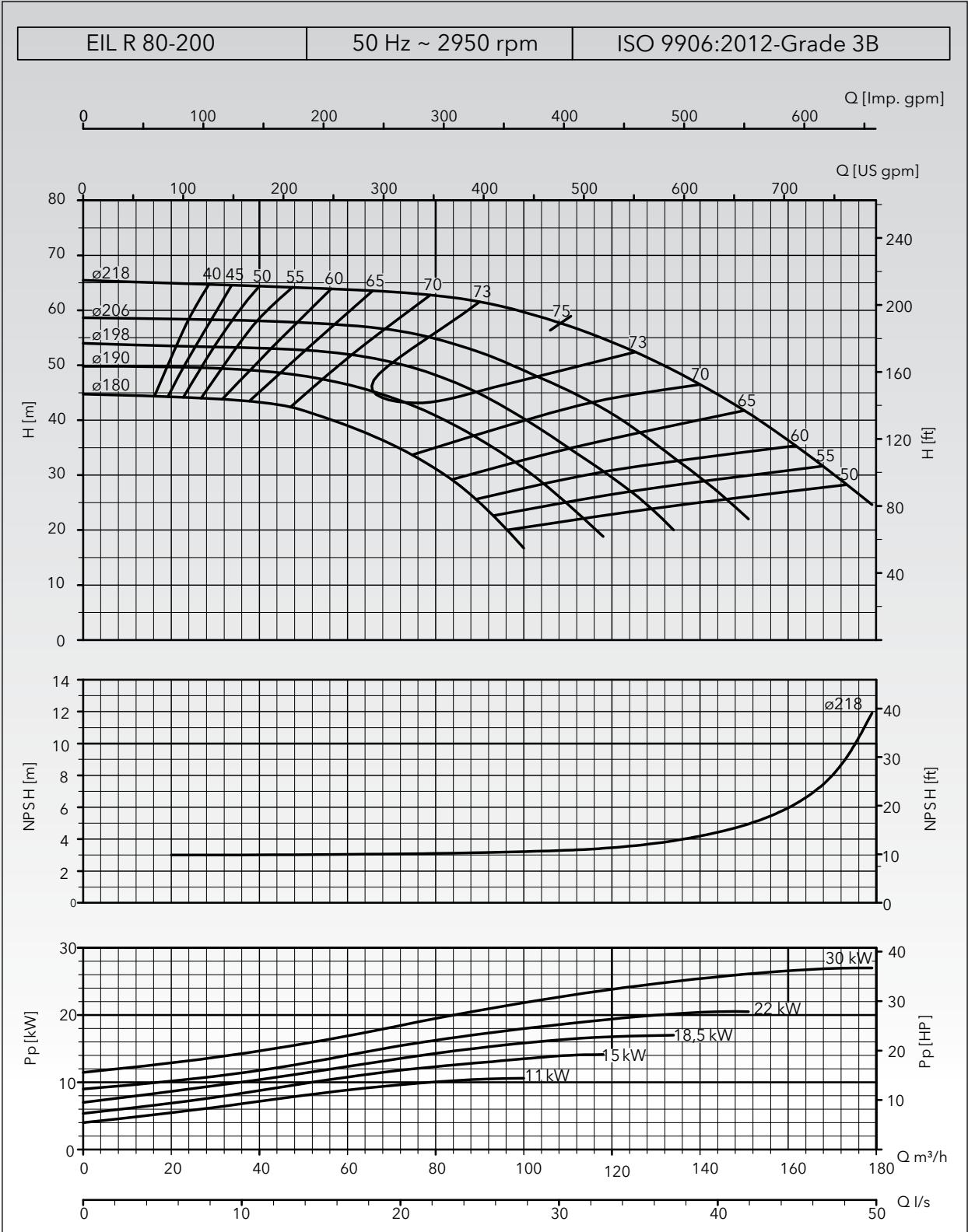
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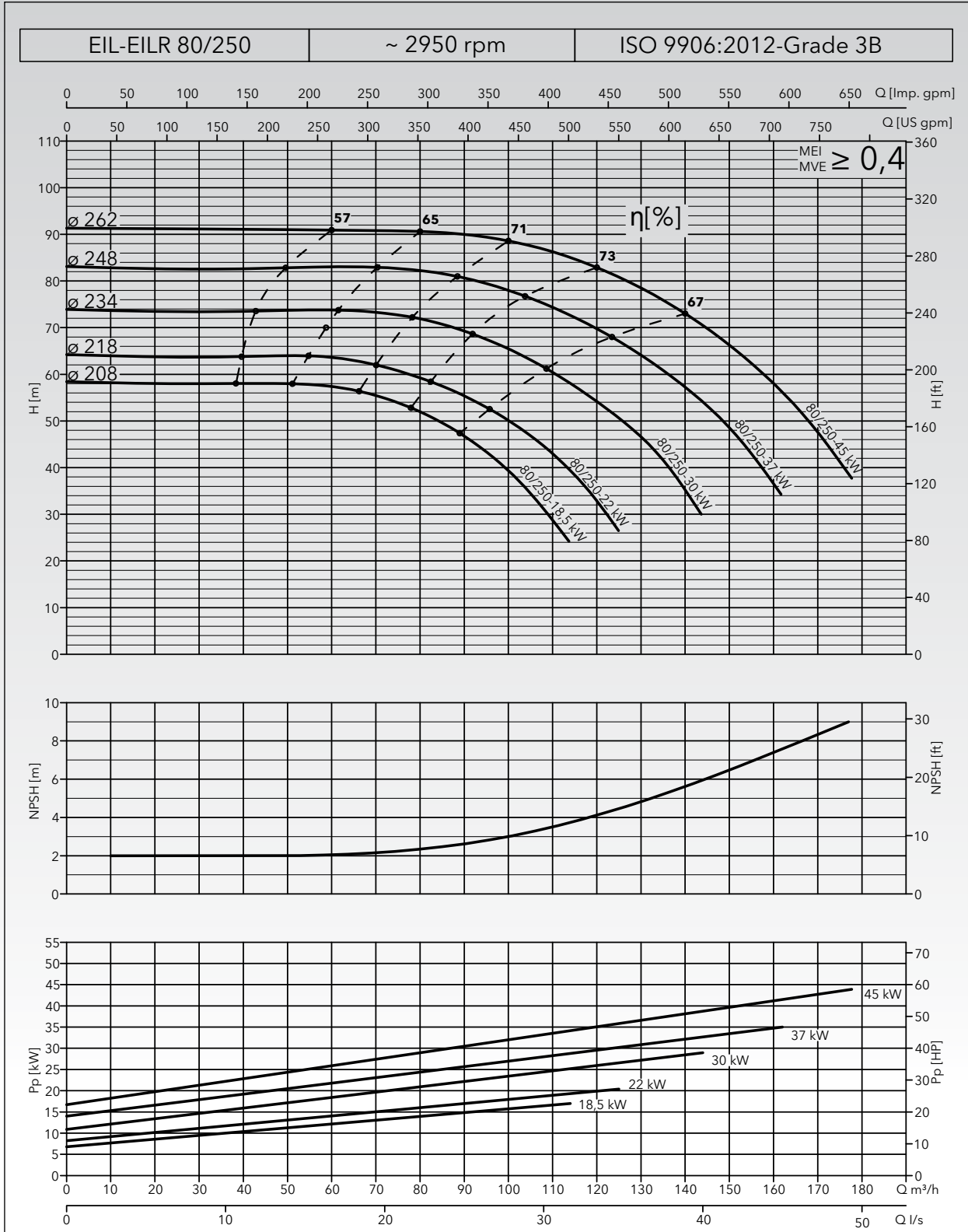


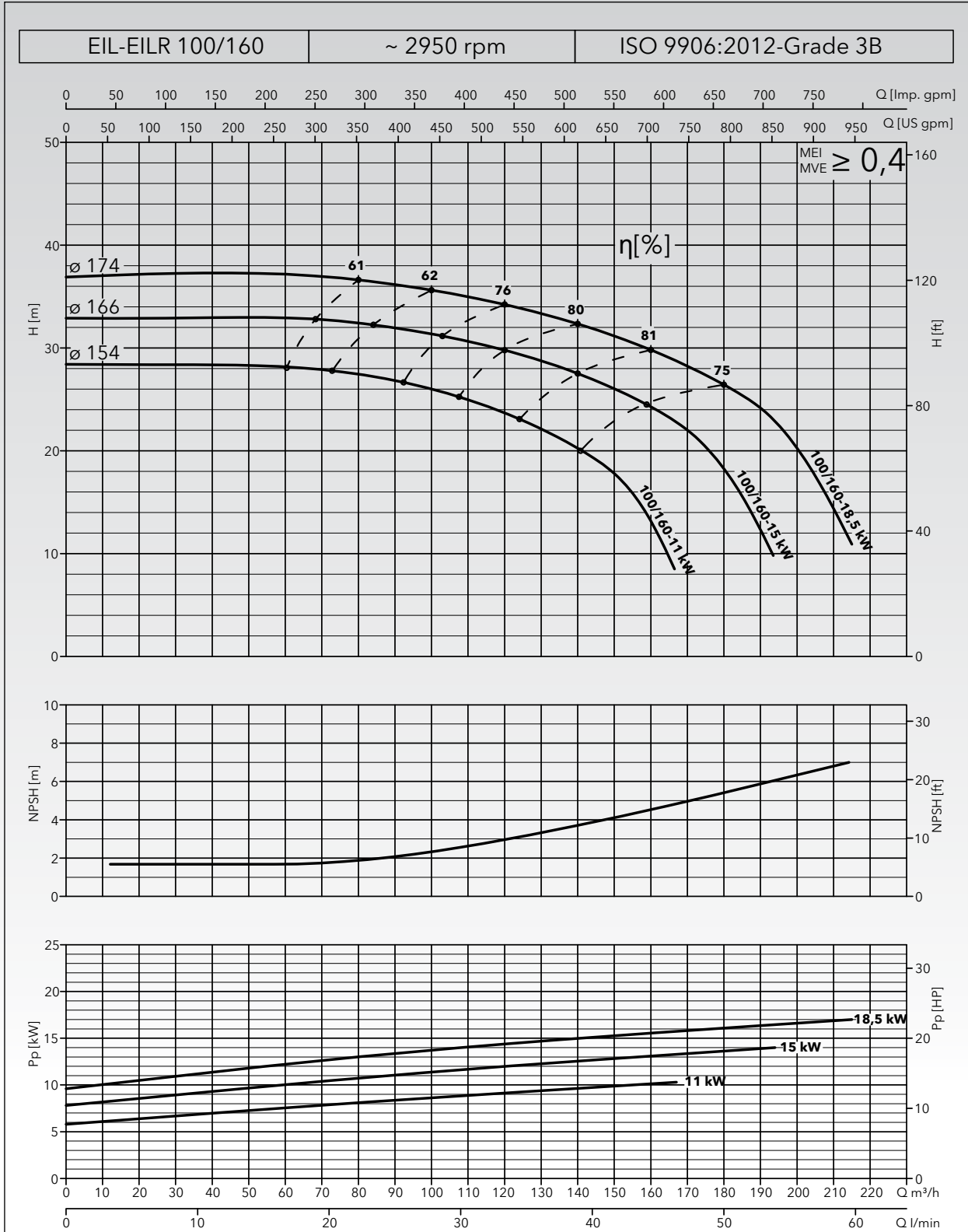
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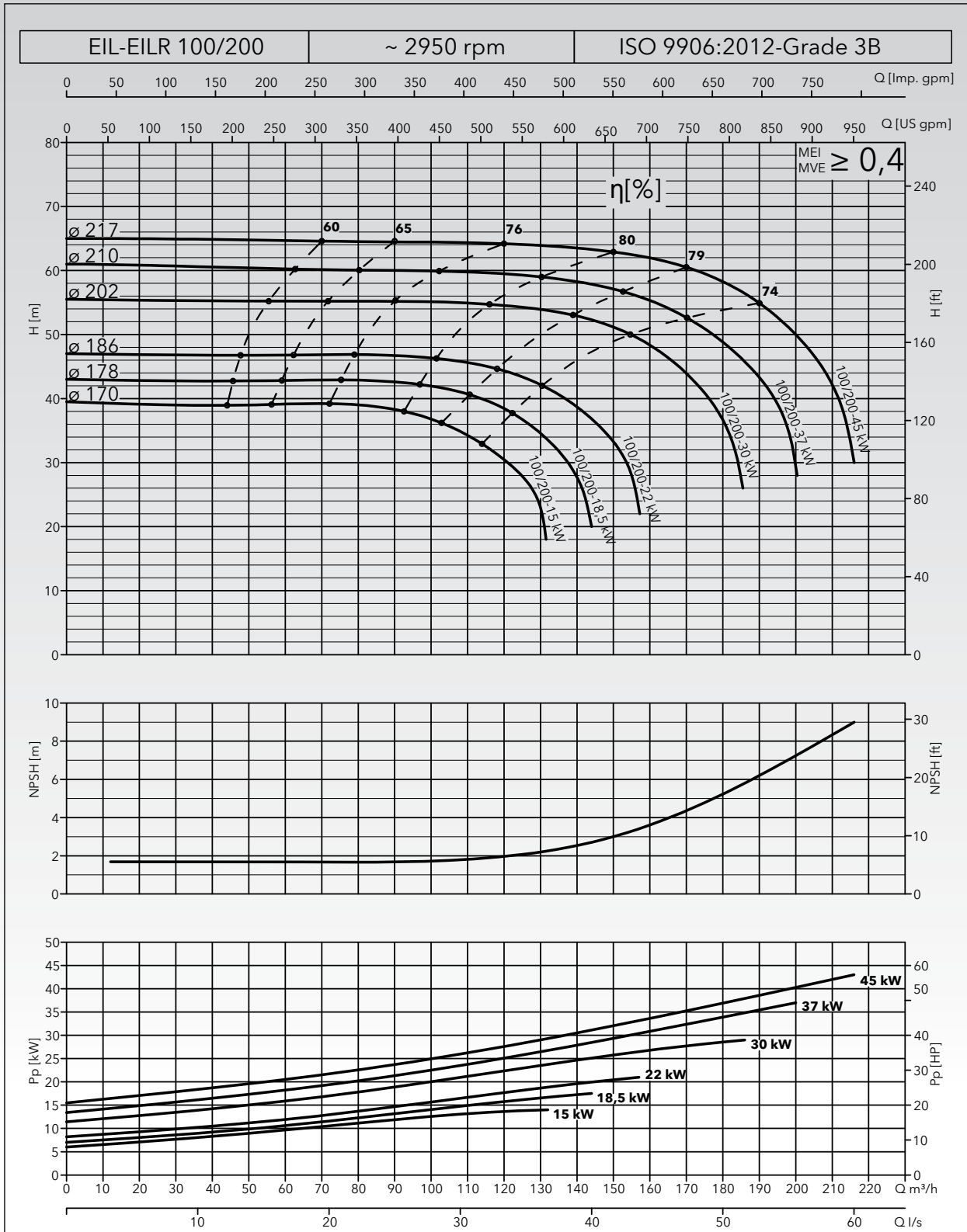


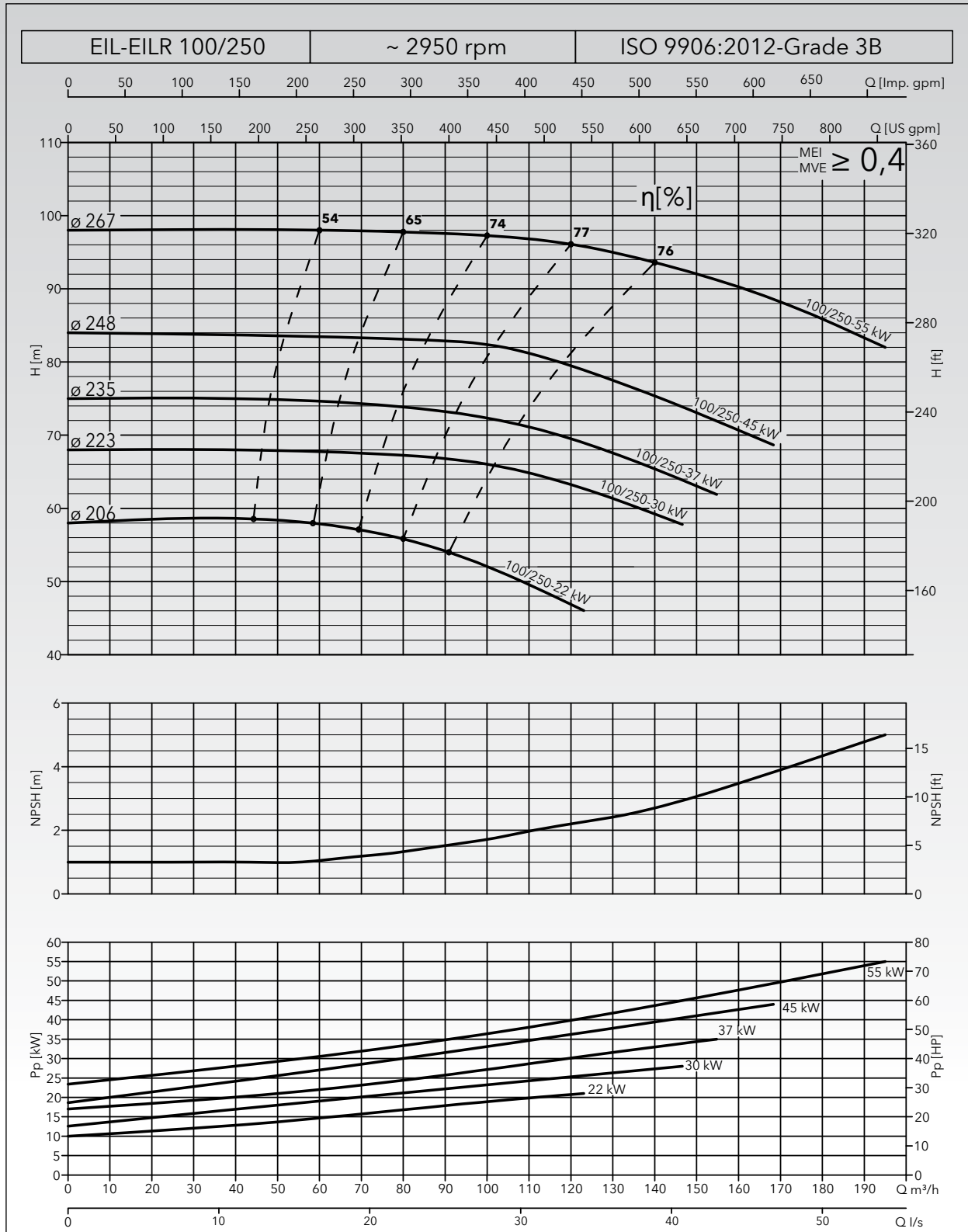
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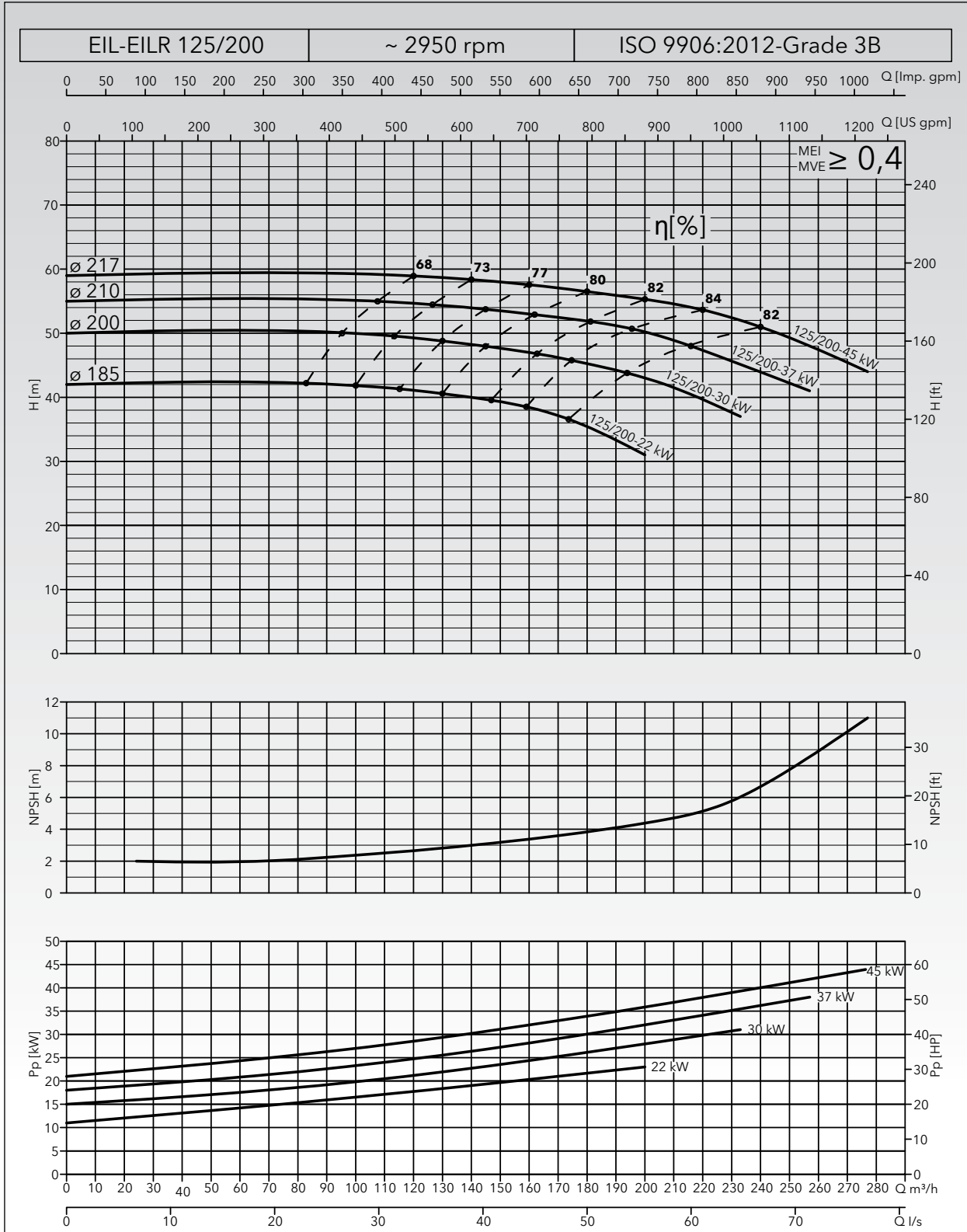


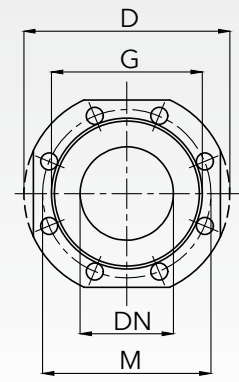
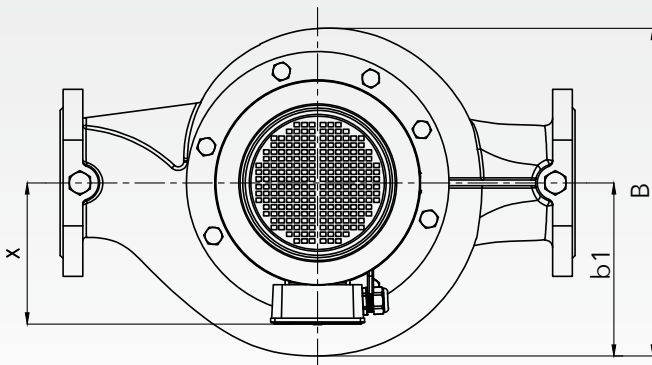
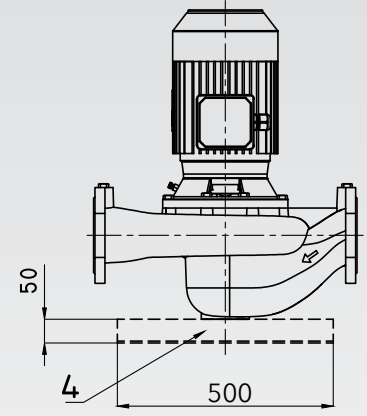
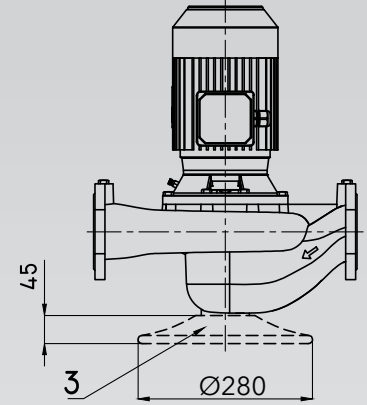
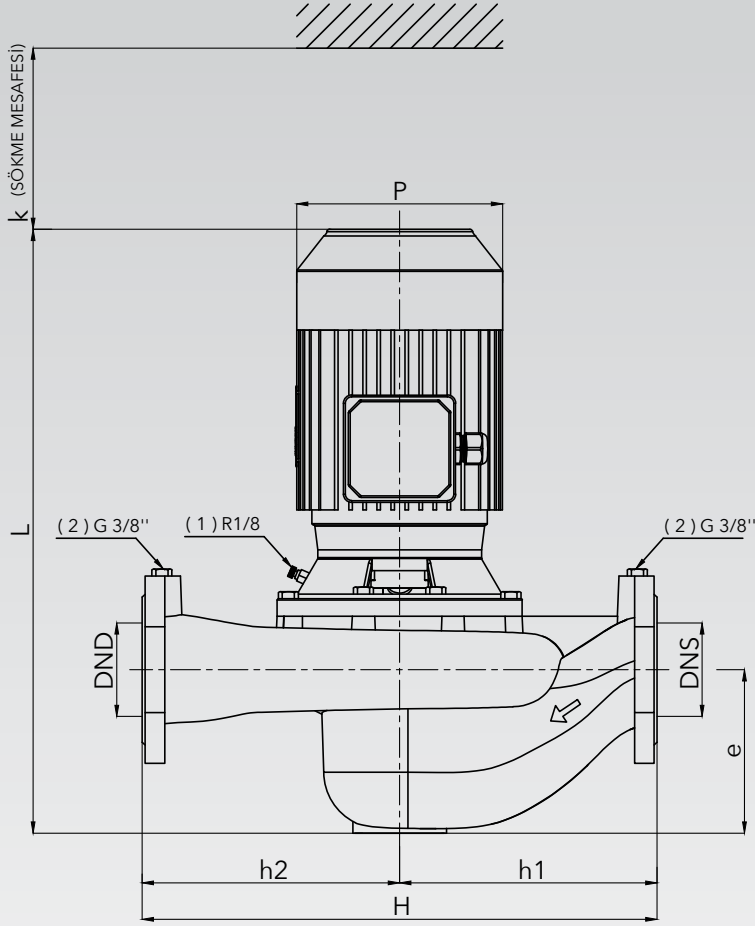
EILR SERİSİ HİDROLİK PERFORMANS EĞRİLERİ





EILR SERİSİ HİDROLİK PERFORMANS EĞRİLERİ





- (1) R1/8 HAVA ATMA VALFİ
- (2) G 3/8" BASINÇ GÖSTERGE BAĞLANTISI
- (3) 0.2kW....11kW POMPA ALT AYAK OPSİYONDUR
- (4) 15kW...45kW POMPA ALT ŞASE OPSİYONDUR

| DN | D | M | G | DELİK | | MAKSİMUM Kalınlık |
|-----|-----|-----|-----|-------|----|-------------------|
| | | | | N° | Ø | |
| 40 | 150 | 110 | 88 | 4 | 18 | 20 |
| 50 | 165 | 125 | 102 | 4 | 18 | 20 |
| 65 | 185 | 145 | 122 | 4 | 18 | 20 |
| 80 | 200 | 160 | 138 | 8 | 18 | 22 |
| 100 | 220 | 180 | 158 | 8 | 18 | 22 |
| 125 | 250 | 210 | 188 | 8 | 18 | 22 |

EILR 6 100, 125 SERİLERİ ÖLÇÜLER VE AĞIRLIKLAR 6 KUTUPLU MOTOR (975 d/dk)

| POMPA MODELİ EILR 4 | | BOYUTLAR (mm) | | | | | | | | | | | AĞIRLIK kg | |
|------------------------|-------------|---------------|-----|-----|-----|-----|------|-----|-----|-----|-----|-----|---------------|-----|
| | | DND | DNS | e | h1 | h2 | Hmax | B | b1 | L | P | k | | x |
| EILR | 100-250/15 | 100 | 100 | 200 | 320 | 280 | 600 | 390 | 210 | 605 | 175 | 125 | 126 | 97 |
| EILR | 100-250/22 | | | | | | | | | | | | | 98 |
| EILR | 100-250/30 | | | | | | | | | 670 | 195 | 160 | 134 | 100 |
| EILR | 100-250/40 | | | | | | | | | | | | | 103 |
| EILR | 125-250/22 | 125 | 125 | 210 | 350 | 300 | 650 | 440 | 235 | 617 | 175 | 130 | 126 | 134 |
| EILR | 125-250/30* | | | | | | | | | | | | | 137 |
| EILR | 125-250/40 | | | | | | | | | 685 | 195 | 180 | 134 | 140 |
| EILR | 125-250/55* | | | | | | | | | | | | | 143 |

*İşaretli pompalar kompakt gövdeli motorlara sahiptir.

EILR 4 40, 50, 65, 80, 100, 125 SERİLERİ ÖLÇÜLER VE AĞIRLIKLAR 4 KUTUPLU MOTOR (1450 d/dk)

ETNA®

| POMPA MODELİ EILR 4 | | BOYUTLAR (mm) | | | | | | | | | | | AĞIRLIK kg | | |
|------------------------|------------|---------------|-----|-----|-----|-----|------|-----|-----|-----|-----|-----|---------------|-----|-----|
| | | DND | DNS | e | h1 | h2 | Hmax | B | b1 | L | P | k | | x | |
| EILR4 | 40-125/02 | 40 | 40 | 105 | 160 | 140 | 300 | 215 | 115 | 410 | 140 | 100 | 110 | 30 | |
| EILR4 | 40-125/03 | | | | | | | | | | | | | | 32 |
| EILR4 | 40-125/05* | | | | | | | | | | | | | | |
| EILR4 | 40-160/03 | | | 32 | | | | | | | | | | | |
| EILR4 | 40-160/05* | | | | 32 | | | | | | | | | | |
| EILR4 | 40-160/07 | | | 36 | | | | | | | | | | | |
| EILR4 | 40-200/07 | | | | 41 | | | | | | | | | | |
| EILR4 | 40-200/11 | | | 44 | | | | | | | | | | | |
| EILR4 | 40-200/15 | | | | 47 | | | | | | | | | | |
| EILR4 | 40-250/11 | | | 59 | | | | | | | | | | | |
| EILR4 | 40-250/15 | | | | 62 | | | | | | | | | | |
| EILR4 | 40-250/22* | | | 64 | | | | | | | | | | | |
| EILR4 | 40-250/30 | | | | 72 | | | | | | | | | | |
| EILR4 | 50-125/02 | | | 50 | | 50 | 110 | 170 | 150 | 320 | 230 | | 125 | 420 | 140 |
| EILR4 | 50-125/03 | 35 | | | | | | | | | | | | | |
| EILR4 | 50-125/05* | | 33 | | | | | | | | | | | | |
| EILR4 | 50-160/03 | 38 | | | | | | | | | | | | | |
| EILR4 | 50-160/05* | | 36 | | | | | | | | | | | | |
| EILR4 | 50-160/07 | 41 | | | | | | | | | | | | | |
| EILR4 | 50-160/11* | | 44 | | | | | | | | | | | | |
| EILR4 | 50-200/07 | 44 | | | | | | | | | | | | | |
| EILR4 | 50-200/11 | | 47 | | | | | | | | | | | | |
| EILR4 | 50-200/15 | 50 | | | | | | | | | | | | | |
| EILR4 | 50-200/22* | | 52 | | | | | | | | | | | | |
| EILR4 | 50-250/11 | 57 | | | | | | | | | | | | | |
| EILR4 | 50-250/15 | | 60 | | | | | | | | | | | | |
| EILR4 | 50-250/22* | 62 | | | | | | | | | | | | | |
| EILR4 | 50-250/30 | | 70 | | | | | | | | | | | | |
| EILR4 | 65-125/03 | 65 | | 65 | 135 | 180 | 160 | 340 | 230 | 130 | 440 | 140 | 130 | 110 | 37 |
| EILR4 | 65-125/05* | | 35 | | | | | | | | | | | | |
| EILR4 | 65-125/07 | | | | | | | | | | | | | | |
| EILR4 | 65-160/05* | | 39 | | | | | | | | | | | | |
| EILR4 | 65-160/07 | | | | 44 | | | | | | | | | | |
| EILR4 | 65-160/11 | | 47 | | | | | | | | | | | | |
| EILR4 | 65-160/15 | | | | 50 | | | | | | | | | | |
| EILR4 | 65-200/07 | | 49 | | | | | | | | | | | | |
| EILR4 | 65-200/11 | | | | 52 | | | | | | | | | | |
| EILR4 | 65-200/15 | | 55 | | | | | | | | | | | | |
| EILR4 | 65-200/22* | | | | 57 | | | | | | | | | | |
| EILR4 | 65-250/15 | | 66 | | | | | | | | | | | | |
| EILR4 | 65-250/22* | | | | 68 | | | | | | | | | | |
| EILR4 | 65-250/30 | | 76 | | | | | | | | | | | | |
| EILR4 | 65-250/40 | 82 | | | | | | | | | | | | | |

*İşaretili pompalar kompakt gövdeli motorlara sahiptir.

EILR 4 40, 50, 65, 80, 100, 125 SERİLERİ ÖLÇÜLER VE AĞIRLIKLAR 4 KUTUPLU MOTOR (1450 d/dk)

| POMPA MODELİ EILR 4 | | BOYUTLAR (mm) | | | | | | | | | | | AĞIRLIK kg | | | | | | |
|------------------------|--------------|---------------|-----|-----|-----|-----|------|-----|-----|-----|-----|-----|---------------|-----|-----|-----|-----|-----|-----|
| | | DND | DNS | e | h1 | h2 | Hmax | B | b1 | L | P | k | | x | | | | | |
| EILR4 | 80-160/07 | 80 | 80 | 150 | 220 | 220 | 440 | 285 | 150 | 550 | 155 | 140 | 120 | 51 | | | | | |
| EILR4 | 80-160/11 | | | | | | | | | 570 | 175 | | | | 130 | 54 | | | |
| EILR4 | 80-160/15 | | | | | | | | | | | | | | | | 550 | 175 | 59 |
| EILR4 | 80-160/22* | | | | | | | | | | | | | | | | | | |
| EILR4 | 80-200/15 | | | 620 | 195 | 61 | | | | | | | | | | | | | |
| EILR4 | 80-200/22* | | | | | | 740 | 260 | 68 | | | | | | | | | | |
| EILR4 | 80-200/30 | | | 170 | 195 | | | | | 74 | | | | | | | | | |
| EILR4 | 80-200/40 | | | | | | 195 | 260 | | | 85 | | | | | | | | |
| EILR4 | 80-250/30 | | | 170 | 195 | 91 | | | | | | | | | | | | | |
| EILR4 | 80-250/40 | | | | | | 195 | 260 | 107 | | | | | | | | | | |
| EILR4 | 80-250/55* | | | 170 | 260 | | | | | 109 | | | | | | | | | |
| EILR4 | 80-250/75 | | | | | | 170 | 260 | | | 130 | | | | | | | | |
| EILR4 | 100-160/11 | | | 100 | 100 | 155 | | | | | | | 250 | 250 | 500 | 315 | 170 | 580 | 175 |
| EILR4 | 100-160/15 | | | | | | 645 | 195 | 135 | | | | | | | | | 66 | |
| EILR4 | 100-160/22* | 670 | 195 | | | | | | | 75 | | | | | | | | | |
| EILR4 | 100-160/30 | | | | | | | | | | 790 | 260 | | | | | | | 89 |
| EILR4 | 100-200/30 | 670 | 195 | | | 96 | | | | | | | | | | | | | |
| EILR4 | 100-200/40 | | | | | | 790 | 260 | 112 | | | | | | | | | | |
| EILR4 | 100-200/55* | 185 | 275 | | | | | | | 275 | 550 | 350 | 185 | 185 | 185 | 195 | 170 | 115 | |
| EILR4 | 100-200/75 | | | | | | 200 | 320 | | | | | | | | | | | 280 |
| EILR4 | 100-250/40 | 795 | 260 | | | 135 | | | | 119 | | | | | | | | | |
| EILR4 | 100-250/55* | | | | | | 670 | 195 | 170 | | 121 | | | | | | | | |
| EILR4 | 100-250/75 | 795 | 260 | | | | | | | | | 170 | 142 | | | | | | |
| EILR4 | 100-250/110* | | | | | | 670 | 195 | | | | | | 170 | 142 | | | | |
| EILR4 | 125-200/30 | 210 | 300 | | | 300 | | | | 600 | | | | | | 380 | 205 | 205 | 195 |
| EILR4 | 125-200/40 | | | | | | 820 | 260 | 170 | | 127 | | | | | | | | |
| EILR4 | 125-200/55* | 685 | 195 | 135 | 143 | | | | | | | | | | | | | | |
| EILR4 | 125-200/75 | | | | | 820 | 260 | 170 | | 145 | | | | | | | | | |
| EILR4 | 125-250/55* | 820 | 260 | | | | | | | | | 170 | 171 | | | | | | |
| EILR4 | 125-250/75 | | | | | 930 | 310 | | 225 | | 222 | | | | | | | | |
| EILR4 | 125-250/110* | 930 | 310 | 225 | 222 | | | | | | | | | | | | | | |
| EILR4 | 125-250/150 | | | | | 930 | 310 | 225 | | 222 | | | | | | | | | |

*İşaretli pompalar kompakt gövdeli motorlara sahiptir.

EILR 2 40, 50, 65, 80, 100, 125 SERİLERİ ÖLÇÜLER VE AĞIRLIKLAR 2 KUTUPLU MOTOR (2900 d/dk)

ETNA®

| POMPA MODELİ EILR 4 | | BOYUTLAR (mm) | | | | | | | | | | | AĞIRLIK kg | |
|------------------------|-------------|---------------|-----|-----|-----|-----|------|-----|-----|-----|-----|-----|---------------|-----|
| | | DND | DNS | e | h1 | h2 | Hmax | B | b1 | L | P | k | | x |
| EILR2 | 40-125/11 | 40 | 40 | 105 | 160 | 140 | 300 | 215 | 115 | 485 | 155 | 100 | 120 | 33 |
| EILR2 | 40-125/15* | | | | | | | | | 505 | 175 | | | 35 |
| EILR2 | 40-125/22 | | | | | | | | | 485 | 175 | | 130 | 38 |
| EILR2 | 40-125/30* | | | | | | | | | | | | | 40 |
| EILR2 | 40-160/22 | | | 85 | 160 | 160 | 320 | 245 | 130 | 555 | 195 | | 135 | 55 |
| EILR2 | 40-160/30* | | | | | | | | | 50 | | | | |
| EILR2 | 40-160/40* | | | | | | | | | 505 | 175 | | 130 | 55 |
| EILR2 | 40-160/55* | | | | | | | | | 580 | 195 | | | 60 |
| EILR2 | 40-200/30* | | | 100 | 190 | 190 | 380 | 270 | 135 | 575 | 195 | | 135 | 64 |
| EILR2 | 40-200/40* | | | | | | | | | 700 | | | | 260 |
| EILR2 | 40-200/55* | | | | | | | | | 820 | 310 | | 170 | 74 |
| EILR2 | 40-200/75* | | | | | | | | | 106 | | | | |
| EILR2 | 40-250/75* | | | 105 | 215 | 225 | 440 | 325 | 170 | 700 | 260 | | 225 | 133 |
| EILR2 | 40-250/110* | | | | | | | | | 820 | 310 | | | 153 |
| EILR2 | 40-250/150 | | | | | | | | | 575 | 195 | | 170 | 106 |
| EILR2 | 40-250/185 | | | | | | | | | | | | | 133 |
| EILR2 | 50-125/15* | 50 | 50 | 110 | 170 | 150 | 320 | 230 | 125 | 495 | 155 | 120 | 38 | |
| EILR2 | 50-125/22 | | | | | | | | | 515 | 175 | | 41 | |
| EILR2 | 50-125/30* | | | | | | | | | 585 | 195 | | 130 | 51 |
| EILR2 | 50-125/40* | | | | | | | | | 56 | | | | |
| EILR2 | 50-160/22 | | | 100 | 180 | 180 | 360 | 260 | 125 | 500 | 175 | | 130 | 45 |
| EILR2 | 50-160/30* | | | | | | | | | 54 | | | | |
| EILR2 | 50-160/40* | | | | | | | | | 565 | 195 | | 135 | 60 |
| EILR2 | 50-160/55* | | | | | | | | | 63 | | | | |
| EILR2 | 50-200/40* | | | 110 | 200 | 200 | 400 | 280 | 145 | 580 | 195 | | 135 | 62 |
| EILR2 | 50-200/55* | | | | | | | | | 67 | | | | |
| EILR2 | 50-200/75* | | | | | | | | | 70 | | | | |
| EILR2 | 50-200/110* | | | | | | | | | 705 | 260 | | 99 | |
| EILR2 | 50-250/150 | | | 125 | 215 | 225 | 440 | 325 | 165 | 820 | 310 | | 225 | 131 |
| EILR2 | 50-250/185 | | | | | | | | | 151 | | | | |
| EILR2 | 50-250/220* | | | | | | | | | 171 | | | | |
| EILR2 | 50-250/300* | | | | | | | | | 880 | 350 | | 240 | 226 |
| EILR2 | 65-125/22 | 65 | 65 | 135 | 180 | 160 | 340 | 230 | 130 | 540 | 175 | 130 | 130 | 44 |
| EILR2 | 65-125/30* | | | | | | | | | 54 | | | | |
| EILR2 | 65-125/40* | | | | | | | | | 605 | 195 | | 135 | 58 |
| EILR2 | 65-125/55* | | | | | | | | | | | | | 62 |
| EILR2 | 65-160/30* | | | 115 | 200 | 200 | 400 | 275 | 145 | 520 | 175 | | 130 | 58 |
| EILR2 | 65-160/40* | | | | | | | | | 63 | | | | |
| EILR2 | 65-160/55* | | | | | | | | | 590 | 195 | | 135 | 66 |
| EILR2 | 65-160/75* | | | | | | | | | 68 | | | | |
| EILR2 | 65-160/110* | 630 | 260 | 170 | 92 | | | | | | | | | |

*İşaretli pompalar kompakt gövdeli motorlara sahiptir.

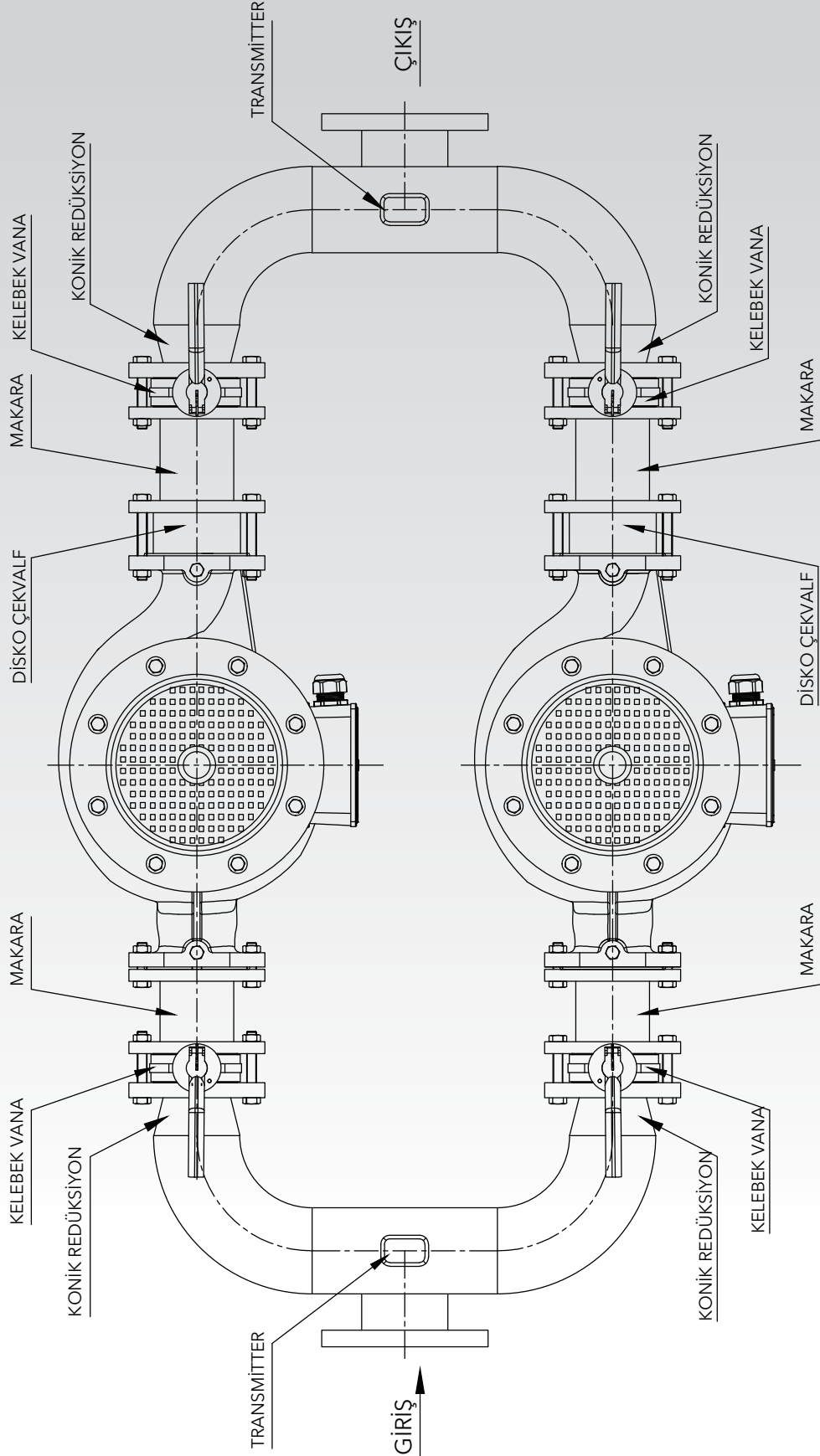
EILR 40, 50, 65, 80, 100, 125 SERİLERİ ÖLÇÜLER VE AĞIRLIKLAR 2 KUTUPLU MOTOR (2900 d/dk)

| POMPA MODELİ EILR 4 | | BOYUTLAR (mm) | | | | | | | | | | | AĞIRLIK kg | | | | | | | | | | | |
|------------------------|--------------|---------------|-----|------|-----|-----|------|-----|-----|------|-----|-----|---------------|-----|-----|-----|-----|-----|------|-----|-----|-----|-----|-----|
| | | DND | DNS | e | h1 | h2 | Hmax | B | b1 | L | P | k | | x | | | | | | | | | | |
| EILR2 | 65-200/55* | 65 | | 110 | 230 | 230 | 460 | 310 | 165 | 585 | 195 | 130 | 135 | 72 | | | | | | | | | | |
| EILR2 | 65-200/75* | | | | | | | | | 710 | 260 | | | 73 | | | | | | | | | | |
| EILR2 | 65-200/110* | | | | | | | | | 830 | | | 104 | | | | | | | | | | | |
| EILR2 | 65-200/150 | | | | | | | | | | | | 124 | | | | | | | | | | | |
| EILR2 | 65-250/150 | | | 140 | 245 | 235 | 480 | 345 | 180 | 840 | 310 | | 225 | 137 | | | | | | | | | | |
| EILR2 | 65-250/185 | | | | | | | | | | | | | 157 | | | | | | | | | | |
| EILR2 | 65-250/220* | | | | | | | | | 178 | | | | | | | | | | | | | | |
| EILR2 | 65-250/300* | | | | | | | | | 900 | 350 | | | 240 | 235 | | | | | | | | | |
| EILR2 | 80-160/40* | 80 | 80 | 150 | 220 | 220 | 440 | 285 | 150 | 640 | 195 | 140 | 135 | 70 | | | | | | | | | | |
| EILR2 | 80-160/55* | | | | | | | | | 74 | | | | | | | | | | | | | | |
| EILR2 | 80-160/75* | | | | | | | | | 75 | | | | | | | | | | | | | | |
| EILR2 | 80-160/110* | | | | | | | | | 700 | 260 | | 170 | 101 | | | | | | | | | | |
| EILR2 | 80-160/150 | | | | | | | | | 895 | 310 | | 225 | 124 | | | | | | | | | | |
| EILR2 | 80-200/110* | | | | | | | | | 740 | 260 | | 170 | 111 | | | | | | | | | | |
| EILR2 | 80-200/150 | | | | | | 134 | | | | | | | | | | | | | | | | | |
| EILR2 | 80-200/185 | | | 140 | 250 | 250 | 500 | 315 | 170 | 855 | 310 | | 225 | 154 | | | | | | | | | | |
| EILR2 | 80-200/220* | | | | | | | | | | | | | 174 | | | | | | | | | | |
| EILR2 | 80-200/300* | | | | | | | | | 915 | 350 | | | 240 | 229 | | | | | | | | | |
| EILR2 | 80-250/185 | | | | | | | | | 150 | 270 | | | 280 | 550 | 370 | 195 | 860 | 310 | 225 | 166 | | | |
| EILR2 | 80-250/220* | | | | | | | | | | | | | | | | | | | | 186 | | | |
| EILR2 | 80-250/300* | | | | | | | | | | | | | | | | | 950 | 350 | | 240 | 221 | | |
| EILR2 | 80-250/370 | | | 1010 | 390 | 280 | 279 | | | | | | | | | | | | | | | | | |
| EILR2 | 80-250/450* | | | | | | 315 | | | | | | | | | | | | | | | | | |
| EILR2 | 100-160/75* | | | 100 | 100 | 155 | 250 | 250 | 500 | | | | 315 | | | | | 170 | 650 | | 195 | 150 | 135 | 87 |
| EILR2 | 100-160/110* | | | | | | | | | 705 | 260 | | | 170 | 110 | | | | | | | | | |
| EILR2 | 100-160/150 | | | | | | | | | 900 | | | | | 132 | | | | | | | | | |
| EILR2 | 100-160/185 | | | | | | | | | | 159 | | | | | | | | | | | | | |
| EILR2 | 100-200/150 | 185 | 275 | | | 275 | 550 | 350 | 185 | 905 | 310 | 225 | 160 | | | | | | | | | | | |
| EILR2 | 100-200/185 | | | | | | | | | | | | 170 | | | | | | | | | | | |
| EILR2 | 100-200/220* | | | | | | | | | | | | | 190 | | | | | | | | | | |
| EILR2 | 100-200/300* | | | | | | | | | 965 | 350 | | 240 | 245 | | | | | | | | | | |
| EILR2 | 100-200/370 | | | | | | | | | 1055 | 390 | | 280 | 282 | | | | | | | | | | |
| EILR2 | 100-200/450* | | | | | | | | | | | | | 317 | | | | | | | | | | |
| EILR2 | 100-250/220* | 200 | 320 | | | 280 | 600 | 390 | 210 | 915 | 310 | 225 | 198 | | | | | | | | | | | |
| EILR2 | 100-250/300* | | | | | | | | | 975 | 350 | | 240 | 253 | | | | | | | | | | |
| EILR2 | 100-250/370 | | | | | | | | | 1060 | 390 | | 280 | 291 | | | | | | | | | | |
| EILR2 | 100-250/450* | | | | | | | | | | | | | 326 | | | | | | | | | | |
| EILR2 | 125-200/220* | | | | | | | | | 125 | 125 | | 210 | 300 | 300 | 600 | 380 | 205 | 940 | 310 | 160 | | 225 | 205 |
| EILR2 | 125-200/300* | | | | | | | | | | | | | | | | | | 1050 | 350 | | | 240 | 260 |
| EILR2 | 125-200/370 | 1090 | 390 | | | 280 | 295 | | | | | | | | | | | | | | | | | |
| EILR2 | 125-200/450* | | | | | | 330 | | | | | | | | | | | | | | | | | |

*İşaretli pompalar kompakt gövdeli motorlara sahiptir.

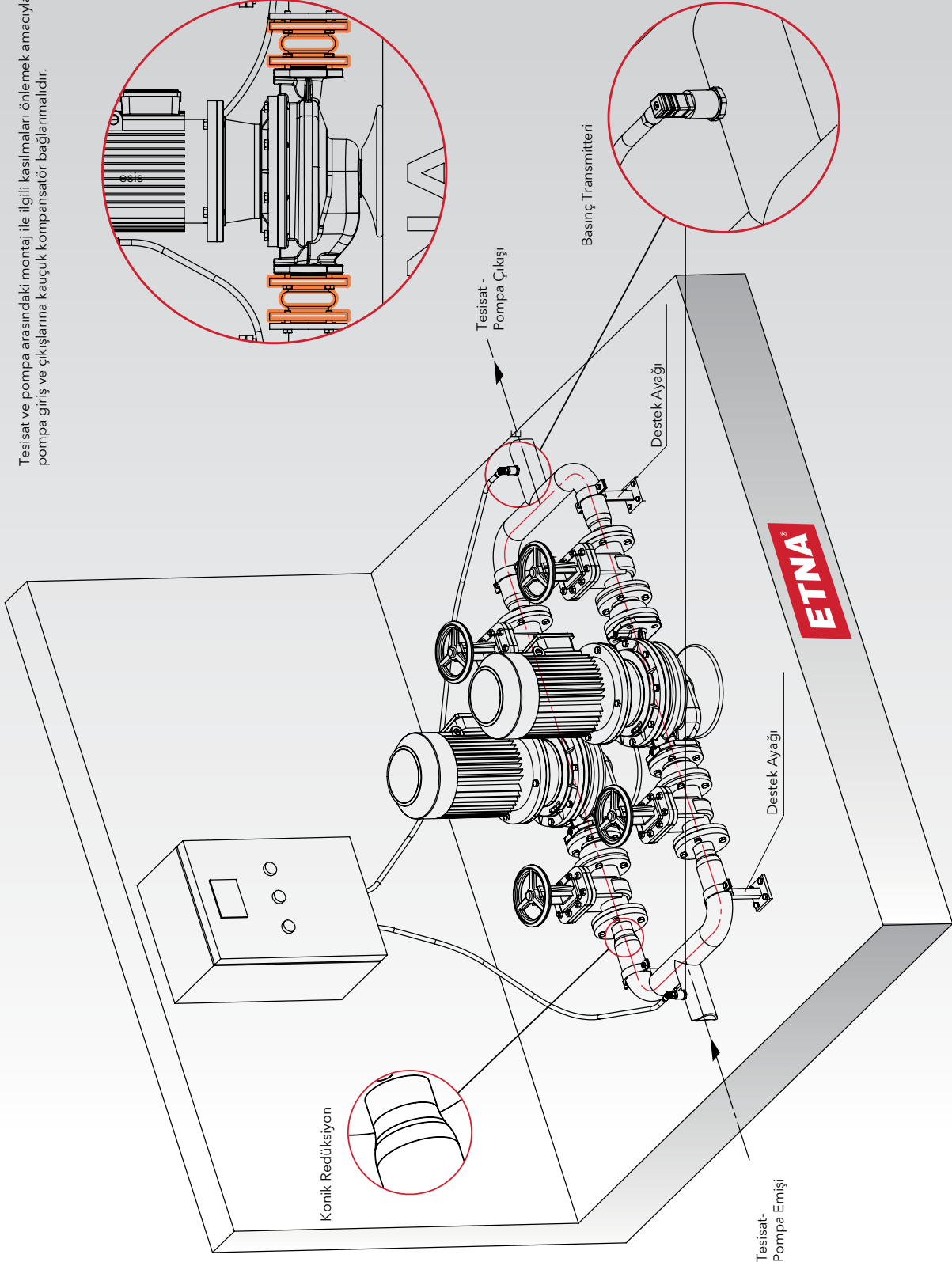
İKİZ TİP POMPA KOLLEKTÖR BAĞLANTI DETAYI

ETNA®



İKİZ TİP POMPA VE TRANSMİTTER BAĞLANTI DETAYI

Tesisat ve pompa arasındaki montaj ile ilgili kasımları önlemek amacıyla pompa giriş ve çıkışlarına kauçuk kompensatör bağlanmalıdır.



**MERKEZ SERVİSİMİZE BAĞLI
TÜRKİYE GENELİNDE 100'DEN FAZLA
HIZLI VE GÜVENİLİR SERVİS NOKTAMIZ İLE
DAİMA YANINIZDAYIZ!**



Satış Sonrası Hizmetler

- Montaj Süpervizörlüğü
- Cihaz Devreye Alma
- Arıza Giderme
- Yedek Parça Temini

