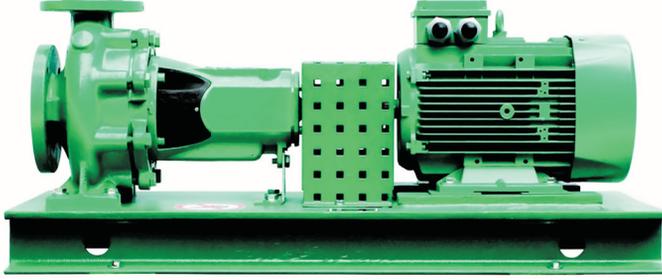


# Isıtma, Soğutma, İklimlendirme, Endüstri

## Norm Pompalar

### Wilo-CronoNorm-NL



#### Dizayn

EN733 ve ISO5199'a uygun, flanş bağlantılı, kuru rotorlu(salmastralı), norm pompa

#### Uygulama

Sirkülasyon, transfer ve basınçlandırma uygulamalarında temiz ve hafif kirli (maks. 20 ppm) su  
VDI2035'e uygun ısıtma suyu, su-glikol karışımı transferi, soğutma suyu, soğuk su, endüstriyel proses suyu  
Altyapı uygulamaları: su temini, sulama  
Yangınla mücadele sistemleri  
Genel endüstriyel uygulamalar

Su dışındaki akışkanlar için lütfen firmamıza danışınız.

#### Pompa Kodlaması

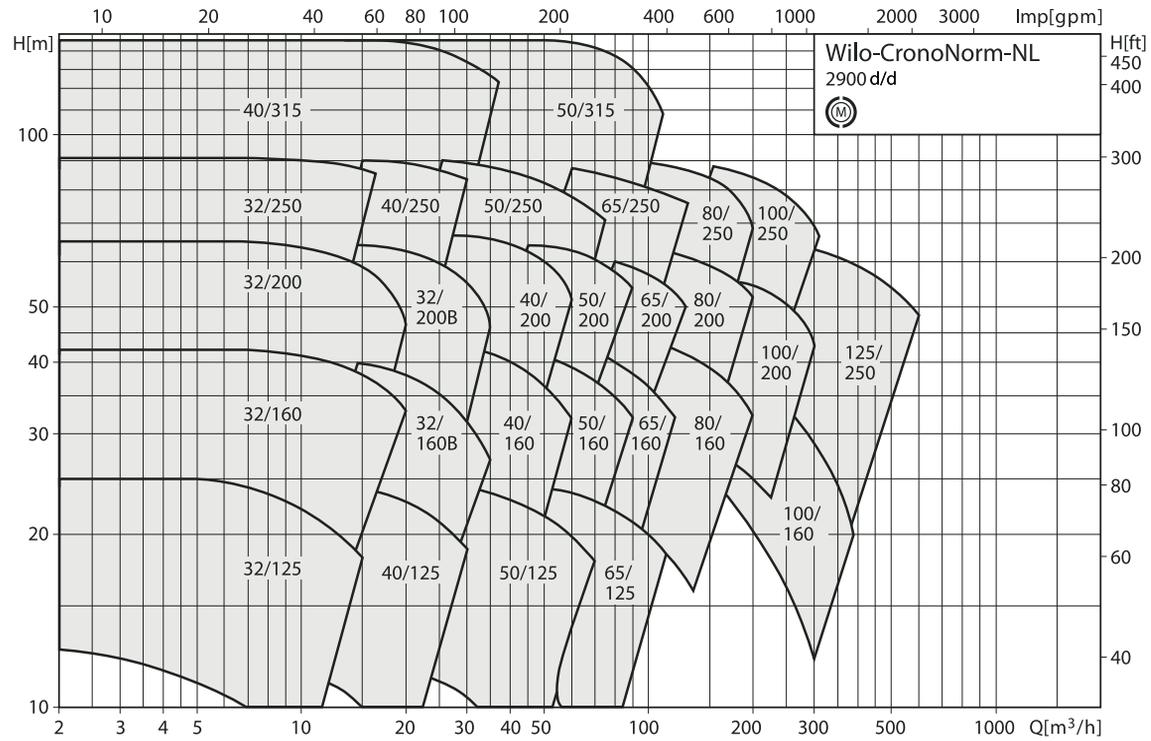
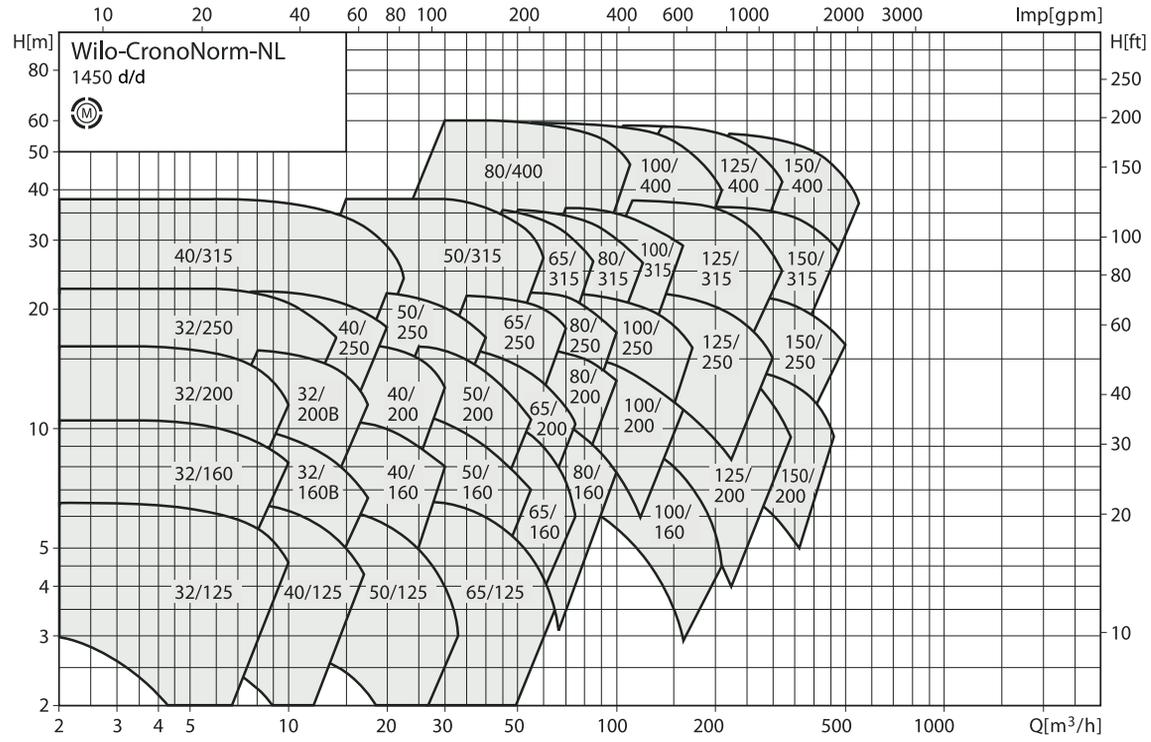
Örnek : **NL 40/160-4/2**

<b>NL</b>	Norm pompa
<b>40</b>	Basma flanş nominal çapı DN
<b>160</b>	Nominal çark çapı
<b>4</b>	Nominal motor gücü P <sub>2</sub> , kW
<b>2</b>	Kutup sayısı

#### Ürün Özellikleri / Faydalar

- Yeni nesil, yüksek verimli norm pompalar
- Vibrasyon veya sıcaklık sensörleri için bağlantı noktaları
- Büyük ölçülendirilmiş bakım gerektirmeyen tip rulmanlar

### Wilo-CronoNorm-NL Genel Eğriler



# Isıtma, Soğutma, İklimlendirme, Endüstri

## Norm Pompalar

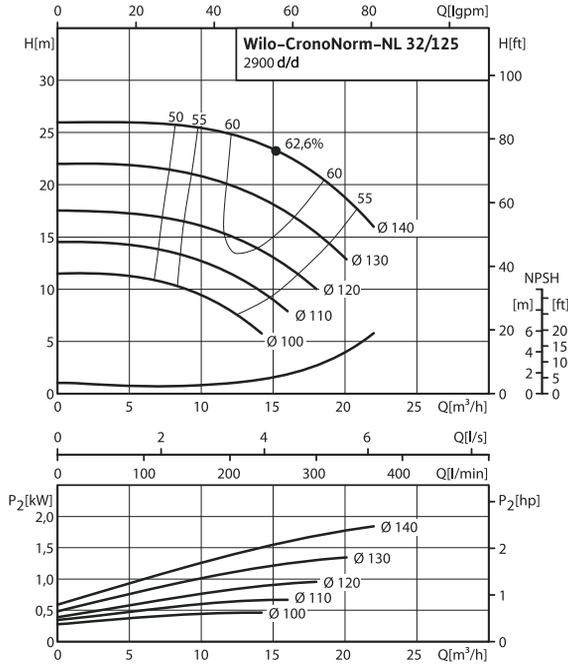
### Wilo-CronoNorm-NL Teknik Özellikler

Wilo- CronoNorm-NL	
<b>İzin Verilen Akışkanlar (diğer akışkanlar için danışınız)</b>	
VDI 2035'e uygun ısıtma suyu	•
Soğuk su	•
Su-glikol karışımları (glikol oranı %20-40 ve akışkan sıcaklığı ≤ 40°C)	• (glikol oranının %10'u aştığı durumlarda pompa seçiminde bu husus dikkate alınmalıdır)
<b>Çalışma Değerleri</b>	
Standart Versiyon için maksimum çalışma basıncı [bar]	16 (32/125 – 80/315 arası modeller) 10 (80/400 – 150/400 arası modeller)
Maksimum giriş basıncı [bar]	10
Sıcaklık Aralığı [°C]	-20 – +120 (mekanik salmastralı modeller için)
Maksimum ortam sıcaklığı [°C]	40
<b>Bağlantılar</b>	
Nominal bağlantı çapı DN	Emme tarafı 50-200 (daha büyük çaplar özel versiyon) Basma tarafı 32-150 (daha büyük çaplar özel versiyon)
Flanşlar (EN 1902-2)	PN16 (DN150 nominal çapa kadar) PN10 (DN200 nominal çapa kadar)
<b>Malzemeler</b>	
Pompa gövdesi	EN-GJL-250
Laterna	EN-GJL-250
Çark (standart)	EN-GJL-250
Çark (özel versiyon)	G-CuSn8 bronz
Pompa mili	X30Cr13
Mekanik salmastra	AQ1EGG
Diğer mekanik salmastralar	Özel versiyon
<b>Elektrik bağlantıları</b>	
Voltaj	3~ 400 V, 50 Hz (diğerleri özel versiyon)
Hız [d/d]	950-1450-2900
<b>Motor</b>	
Koruma sınıfı	IP 55
Yalıtım sınıfı	F
Motor sargıları ≤3 kW	230 V Δ / 400 V Y, 50 Hz
Motor sargıları ≥ 4 kW	400 V Δ / 690 V Y, 50 Hz
Diğer motor özellikleri (patlama korumalı, özel soğutmalı vs.)	Özel versiyon

### Wilo-CronoNorm-NL (2 kutuplu) Karakteristik Eğriler

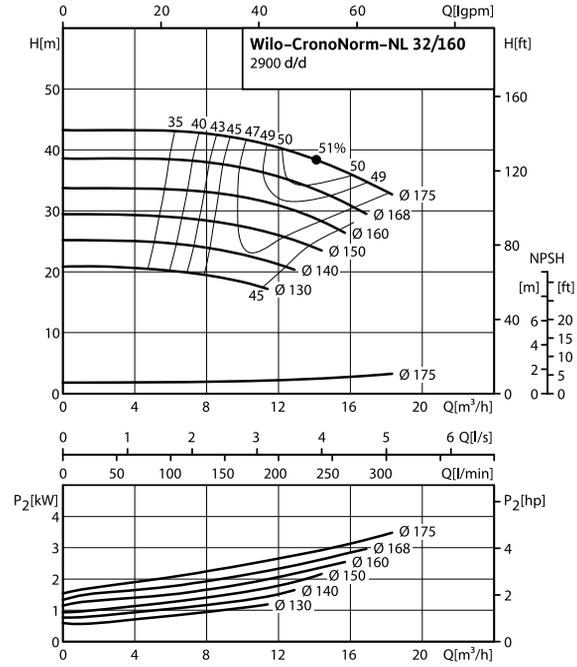
**Wilo-CronoNorm-NL 32/125**

Devir hızı 2900 d/d



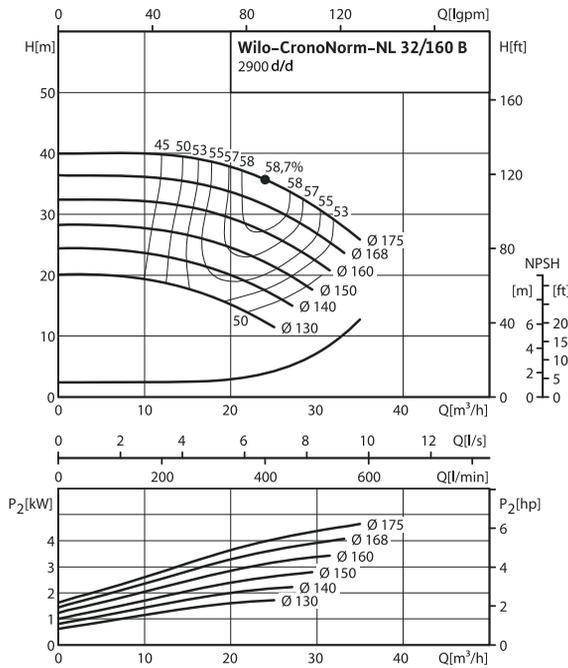
**Wilo-CronoNorm-NL 32/160**

Devir hızı 2900 d/d



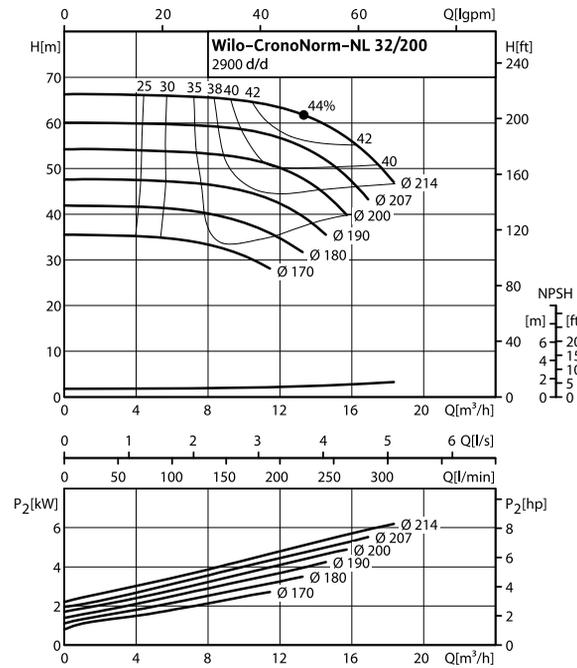
**Wilo-CronoNorm-NL 32/160B**

Devir hızı 2900 d/d



**Wilo-CronoNorm-NL 32/200**

Devir hızı 2900 d/d



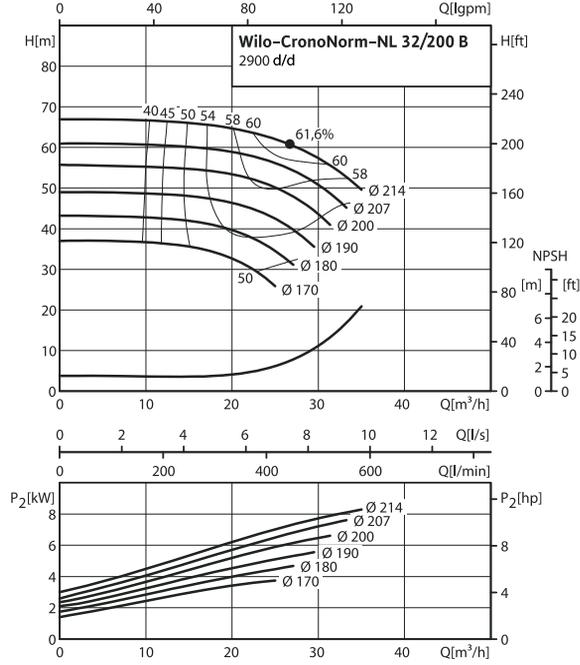
# Isıtma, Soğutma, İklimlendirme, Endüstri

## Norm Pompalar

### Wilo-CronoNorm-NL (2 kutuplu) Karakteristik Eğriler

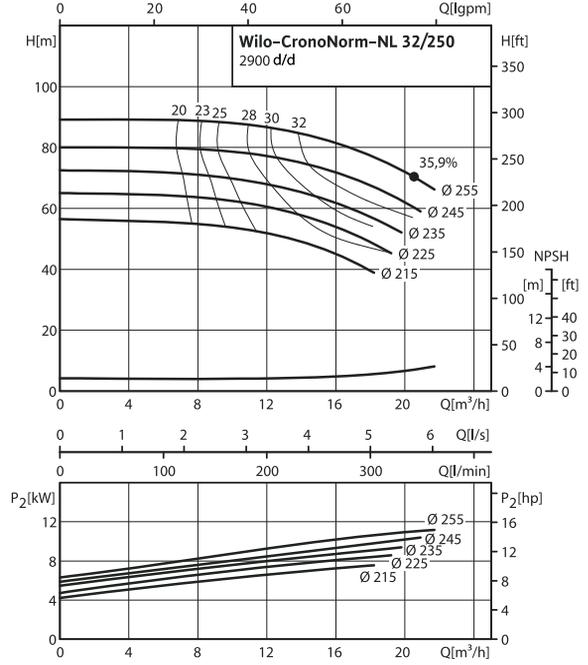
#### Wilo-CronoNorm-NL 32/200B

Devir hızı 2900 d/d



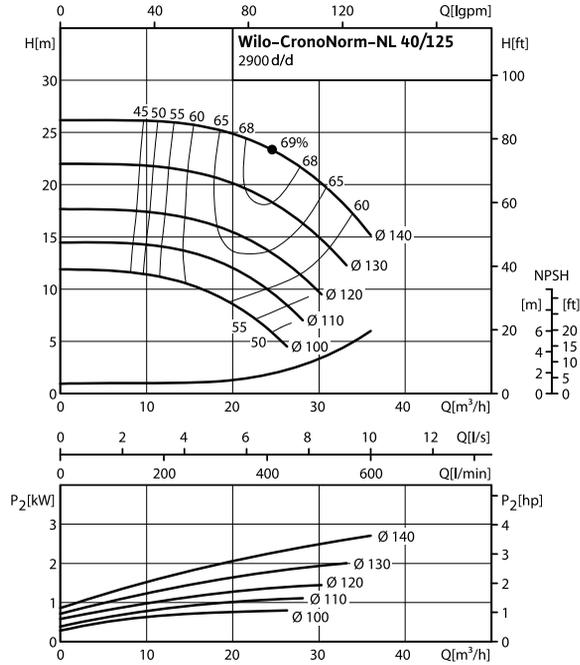
#### Wilo-CronoNorm-NL 32/250

Devir hızı 2900 d/d



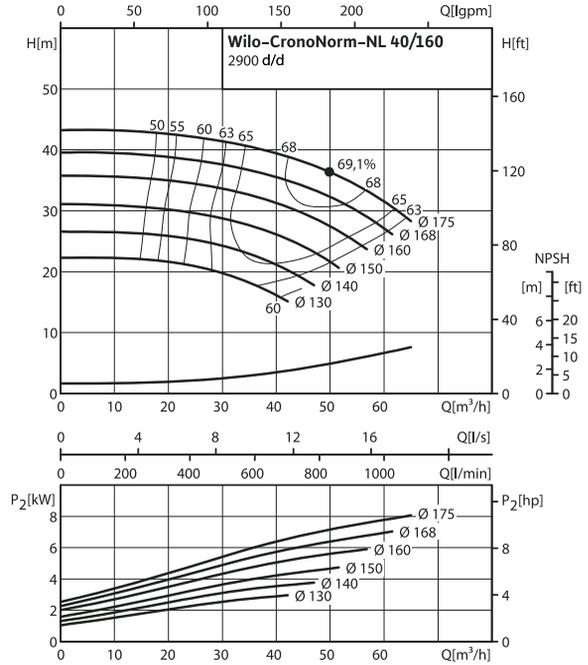
#### Wilo-CronoNorm-NL 40/125

Devir hızı 2900 d/d



#### Wilo-CronoNorm-NL 40/160

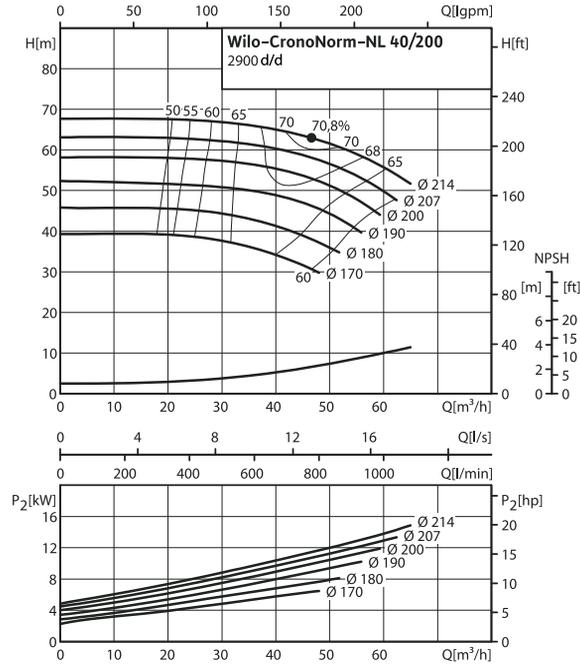
Devir hızı 2900 d/d



### Wilo-CronoNorm-NL (2 kutuplu) Karakteristik Eğriler

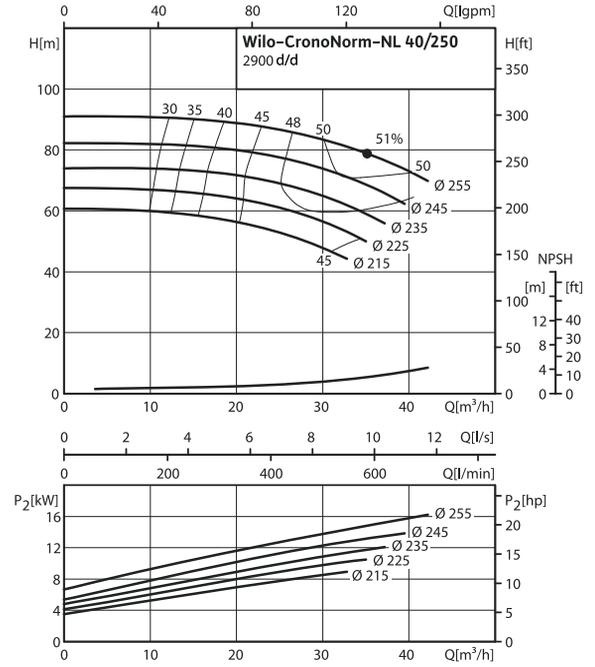
#### Wilo-CronoNorm-NL 40/200

Devir hızı 2900 d/d



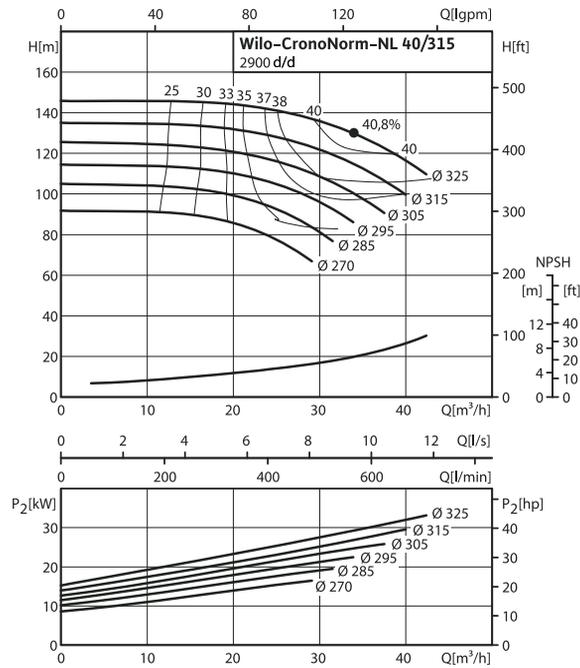
#### Wilo-CronoNorm-NL 40/250

Devir hızı 2900 d/d



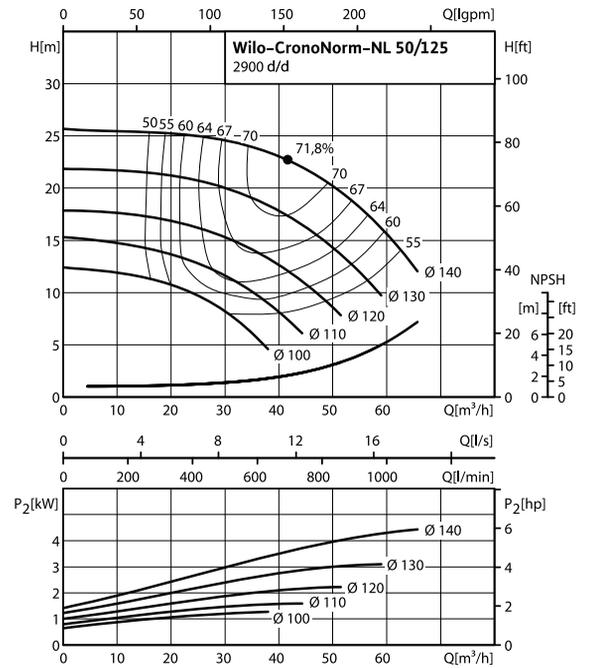
#### Wilo-CronoNorm-NL 40/315

Devir hızı 2900 d/d



#### Wilo-CronoNorm-NL 50/125

Devir hızı 2900 d/d



Isıtma, Soğutma, İklimlendirme, Endüstri

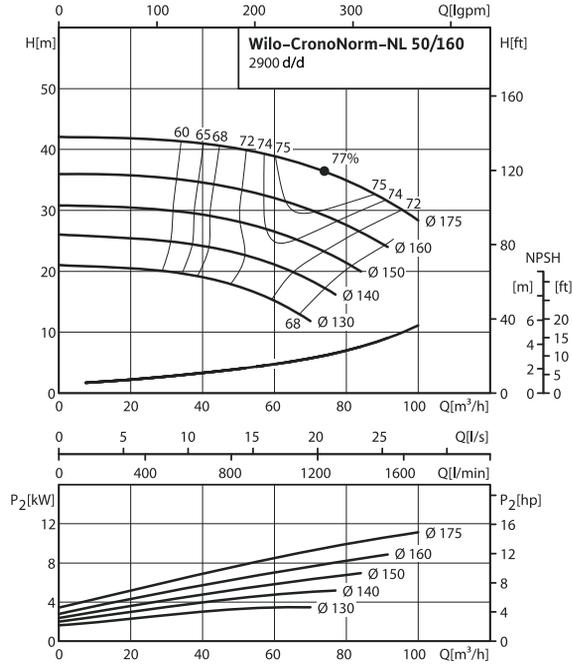
# Isıtma, Soğutma, İklimlendirme, Endüstri

## Norm Pompalar

### Wilo-CronoNorm-NL (2 kutuplu) Karakteristik Eğriler

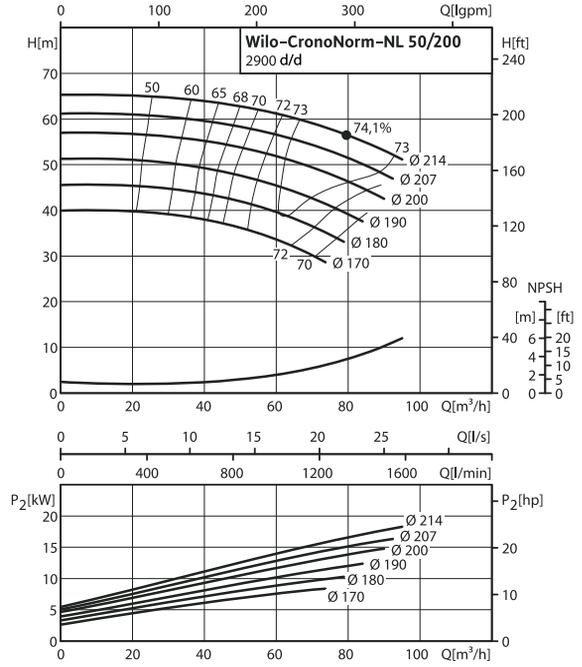
#### Wilo-CronoNorm-NL 50/160

Devir hızı 2900 d/d



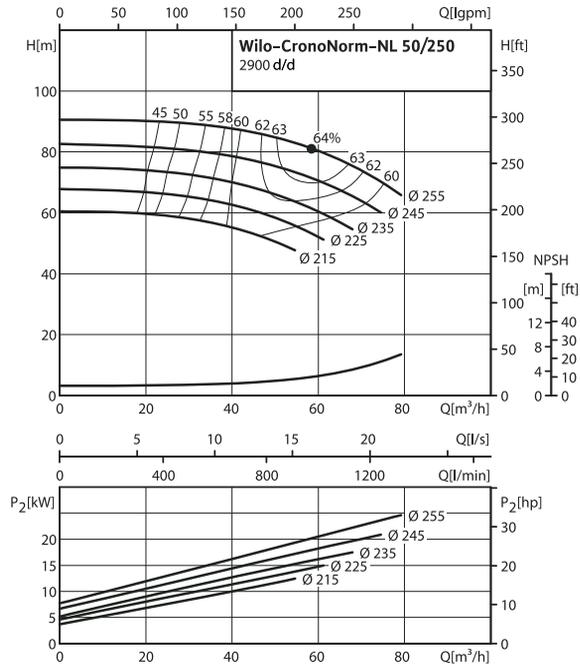
#### Wilo-CronoNorm-NL 50/200

Devir hızı 2900 d/d



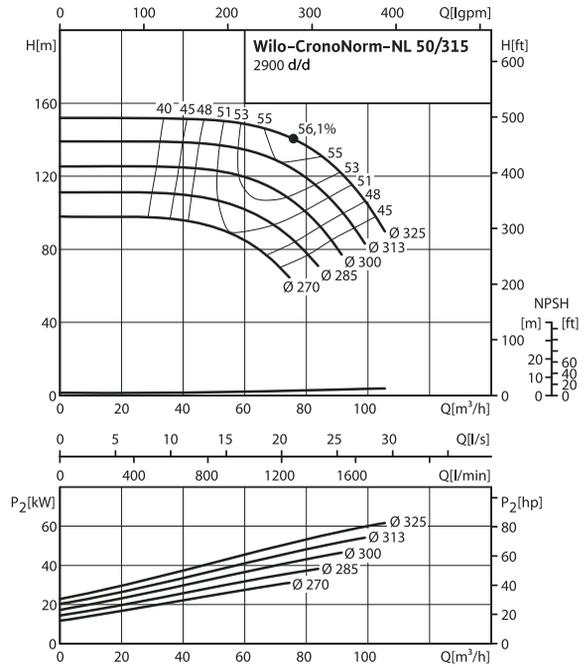
#### Wilo-CronoNorm-NL 50/250

Devir hızı 2900 d/d



#### Wilo-CronoNorm-NL 50/315

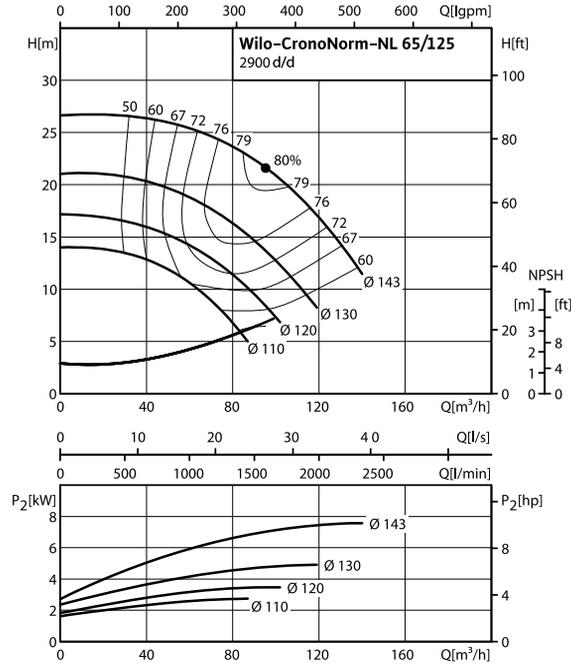
Devir hızı 2900 d/d



### Wilo-CronoNorm-NL (2 kutuplu) Karakteristik Eğriler

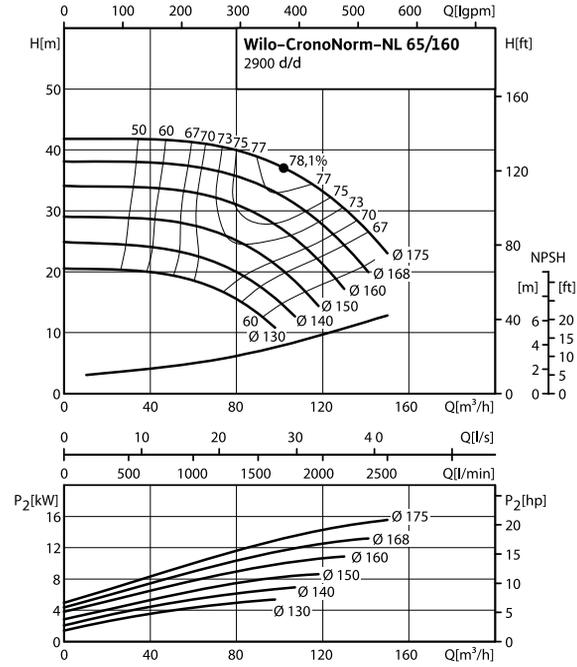
#### Wilo-CronoNorm-NL 65/125

Devir hızı 2900 d/d



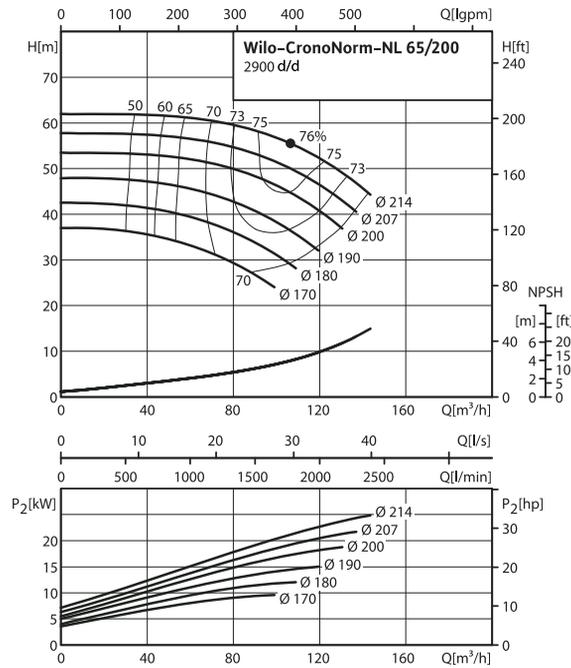
#### Wilo-CronoNorm-NL 65/160

Devir hızı 2900 d/d



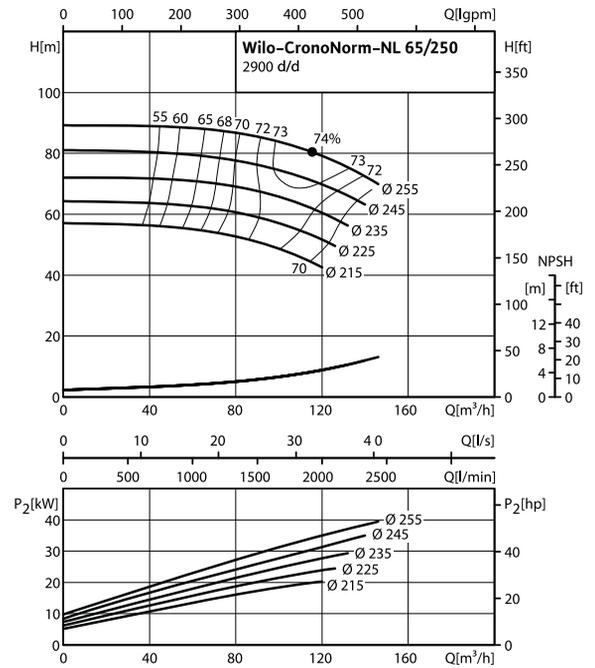
#### Wilo-CronoNorm-NL 65/200

Devir hızı 2900 d/d



#### Wilo-CronoNorm-NL 65/250

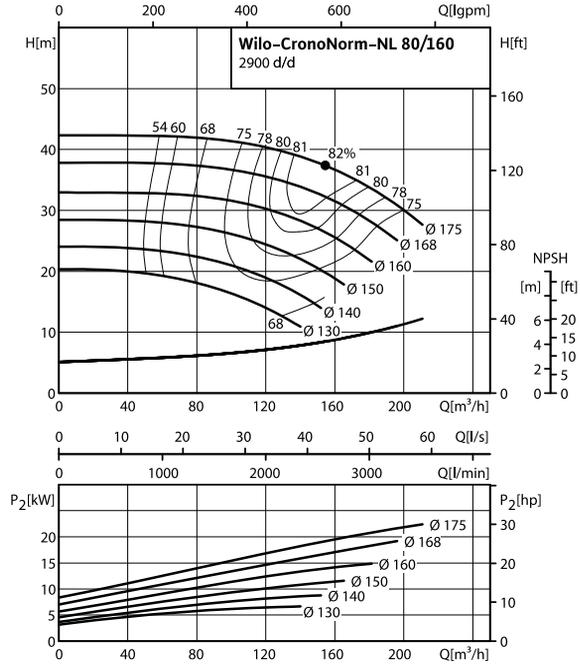
Devir hızı 2900 d/d



### Wilo-CronoNorm-NL (2 kutuplu) Karakteristik Eğriler

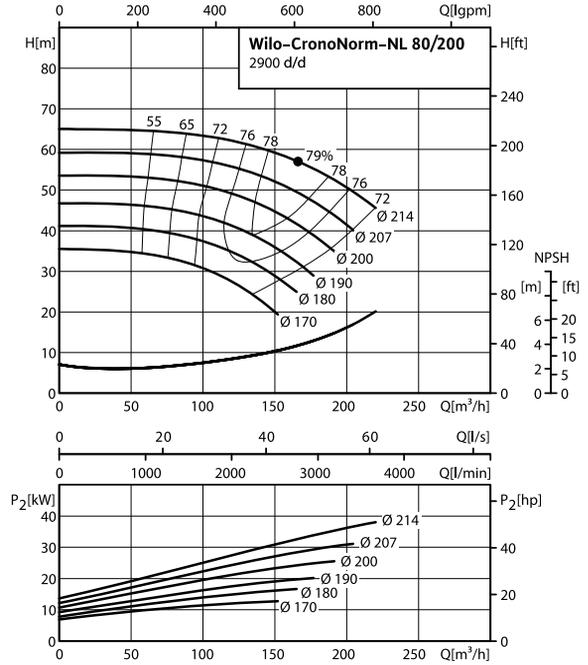
#### Wilo-CronoNorm-NL 80/160

Devir hızı 2900 d/d



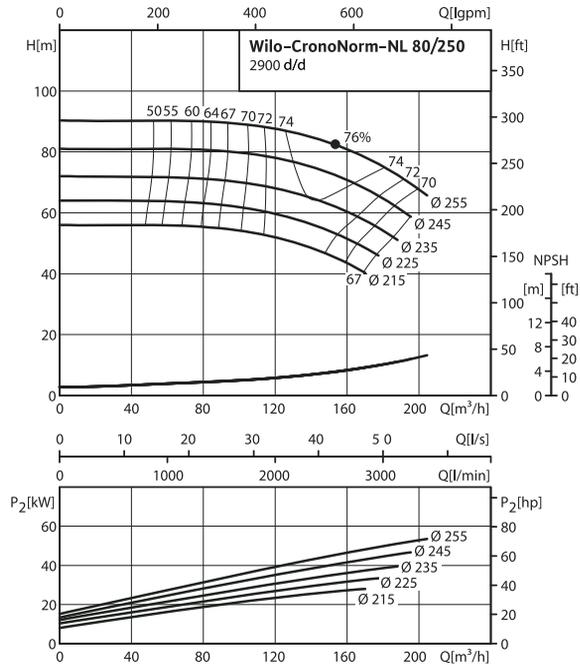
#### Wilo-CronoNorm-NL 80/200

Devir hızı 2900 d/d



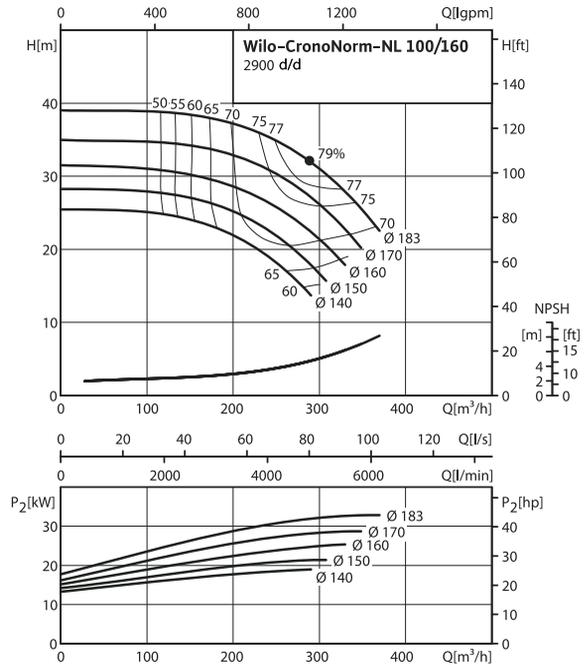
#### Wilo-CronoNorm-NL 80/250

Devir hızı 2900 d/d



#### Wilo-CronoNorm-NL 100/160

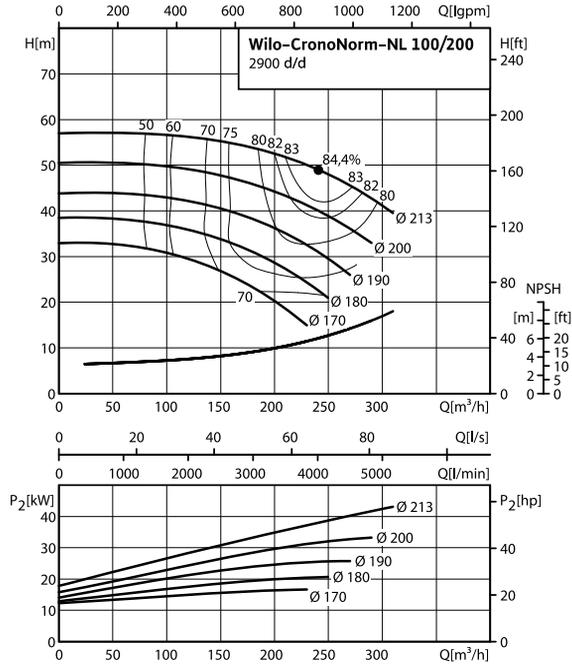
Devir hızı 2900 d/d



### Wilo-CronoNorm-NL (2 kutuplu) Karakteristik Eğriler

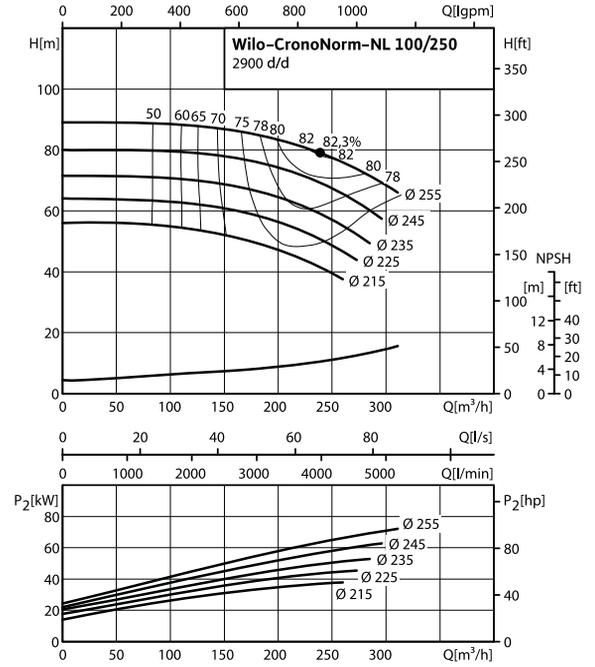
#### Wilo-CronoNorm-NL 100/200

Devir hızı 2900 d/d



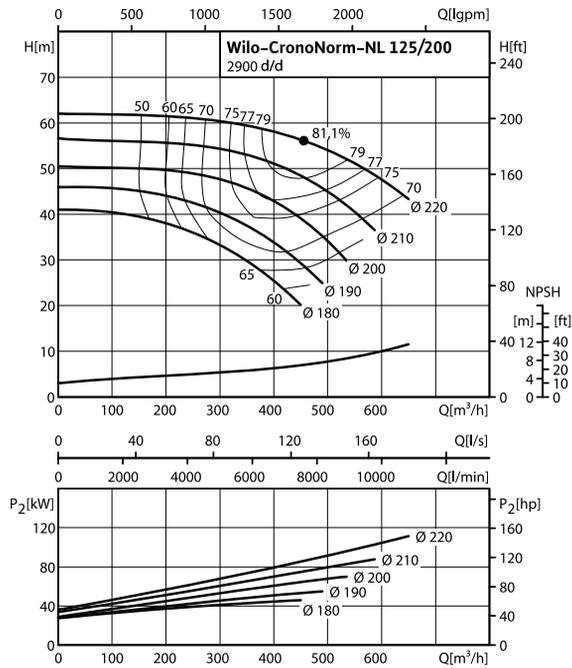
#### Wilo-CronoNorm-NL 100/250

Devir hızı 2900 d/d



#### Wilo-CronoNorm-NL 125/200

Devir hızı 2900 d/d



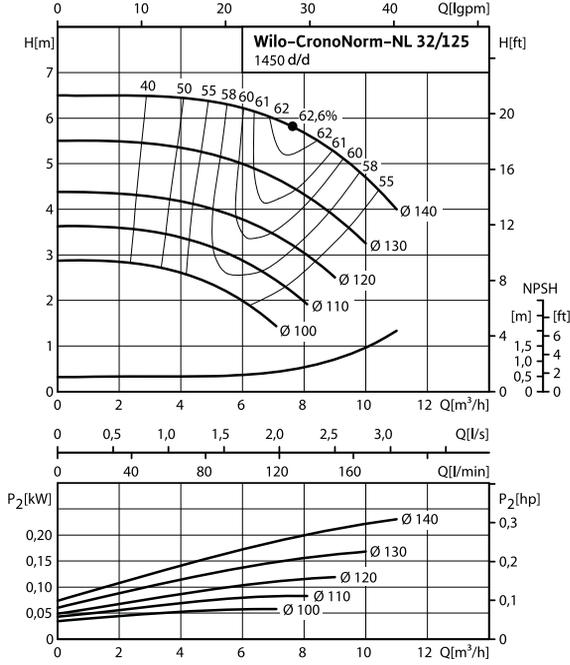
# Isıtma, Soğutma, İklimlendirme, Endüstri

## Norm Pompalar

### Wilo-CronoNorm-NL (4 kutuplu) Karakteristik Eğriler

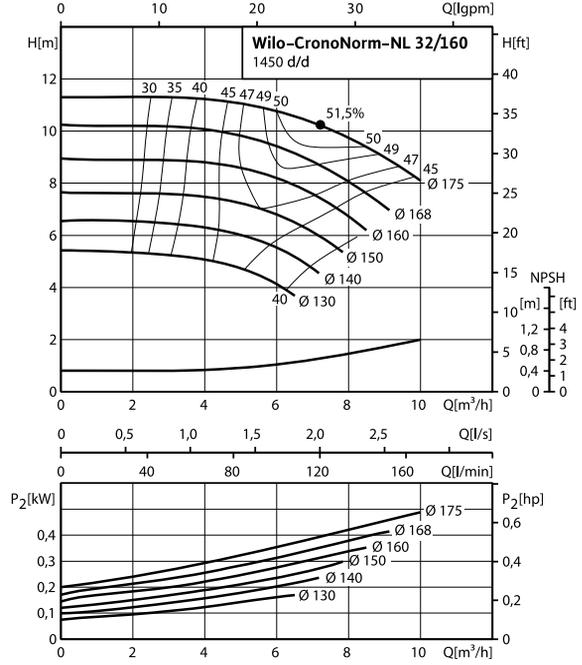
#### Wilo-CronoNorm-NL 32/125

Devir hızı 1450 d/d



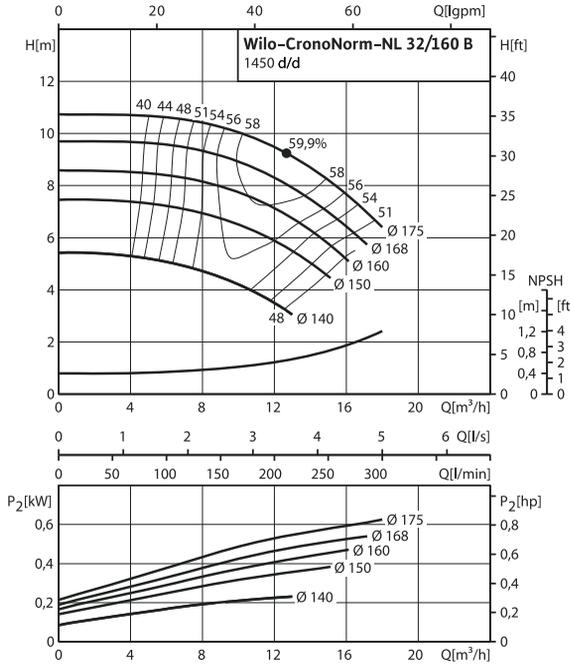
#### Wilo-CronoNorm-NL 32/160

Devir hızı 1450 d/d



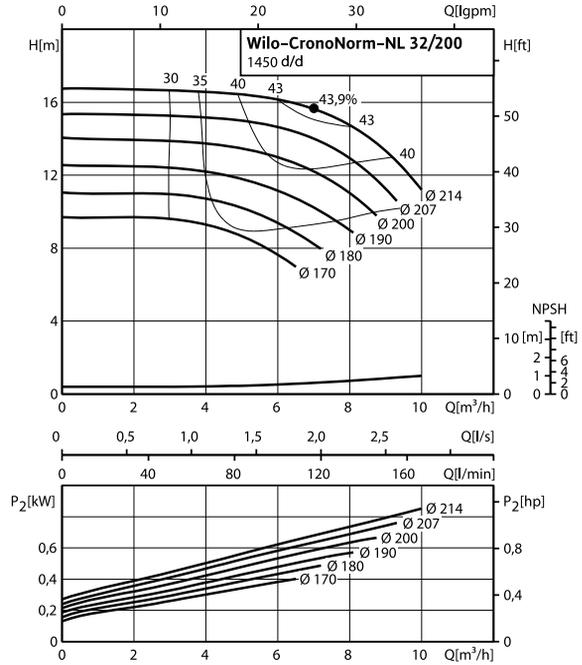
#### Wilo-CronoNorm-NL 32/160B

Devir hızı 1450 d/d



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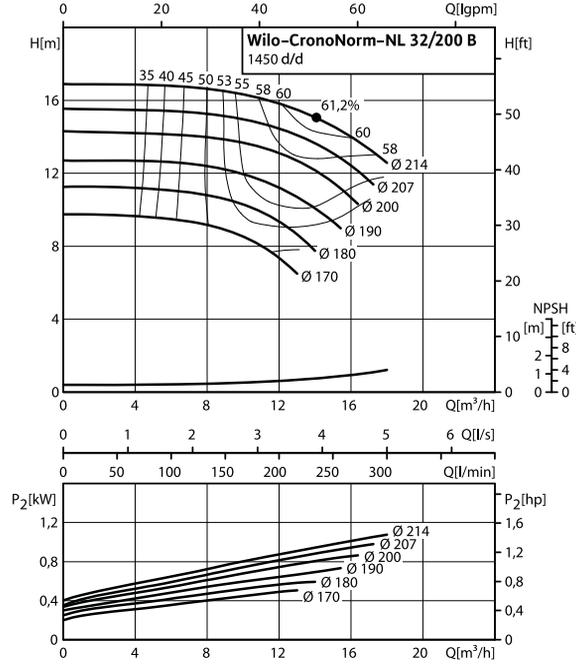
Devir hızı 1450 d/d



### Wilo-CronoNorm-NL (4 kutuplu) Karakteristik Eğriler

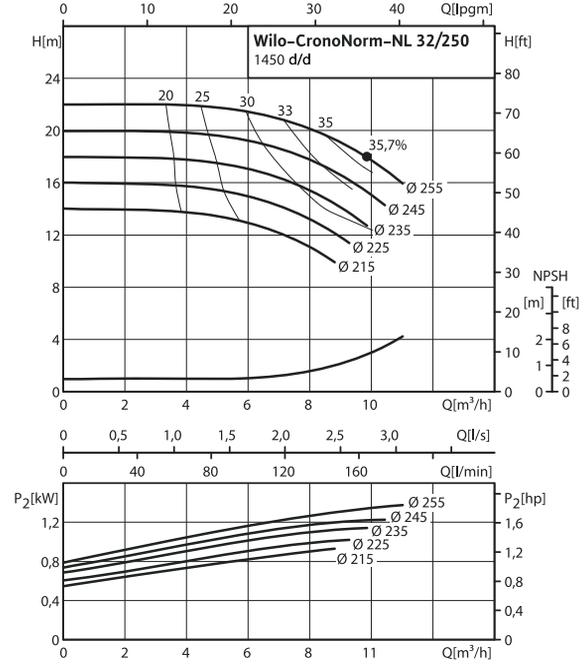
**Wilo-CronoNorm-NL 32/200B**

Devir hızı 1450 d/d



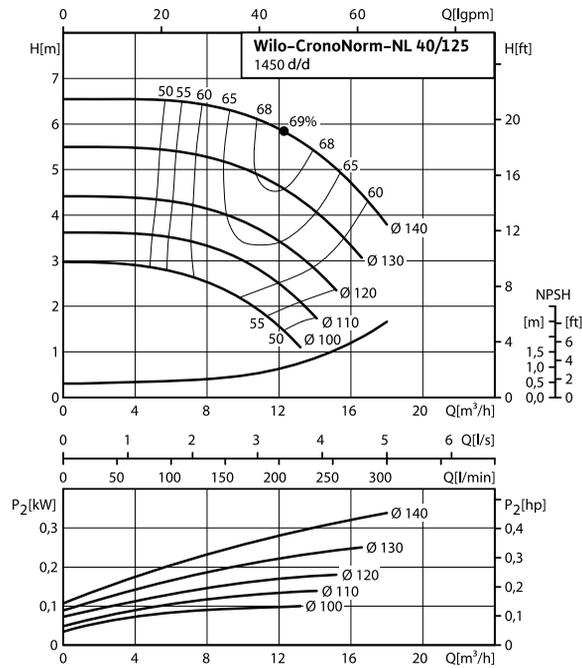
**Wilo-CronoNorm-NL 32/250**

Devir hızı 1450 d/d



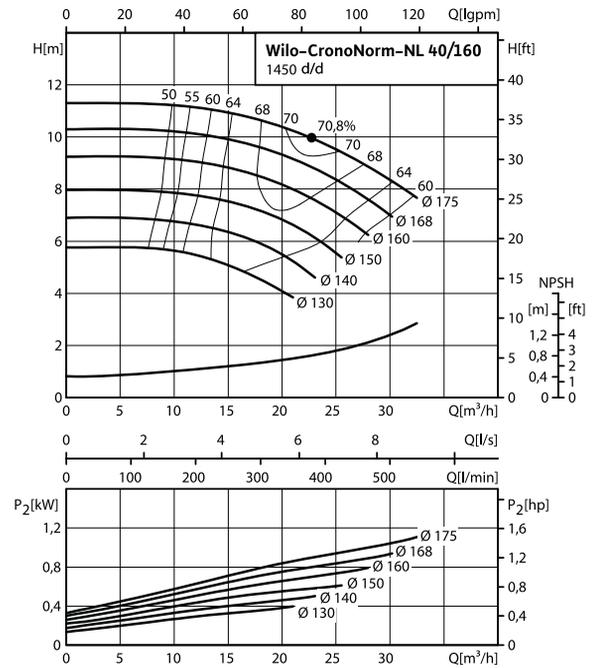
**Wilo-CronoNorm-NL 40/125**

Devir hızı 1450 d/d



**Wilo-CronoNorm-NL 40/160**

Devir hızı 1450 d/d



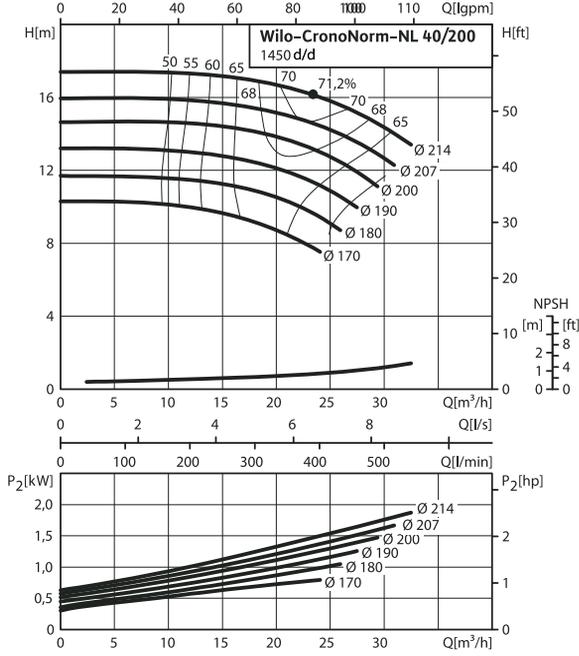
# Isıtma, Soğutma, İklimlendirme, Endüstri

## Norm Pompalar

### Wilo-CronoNorm-NL (4 kutuplu) Karakteristik Eğriler

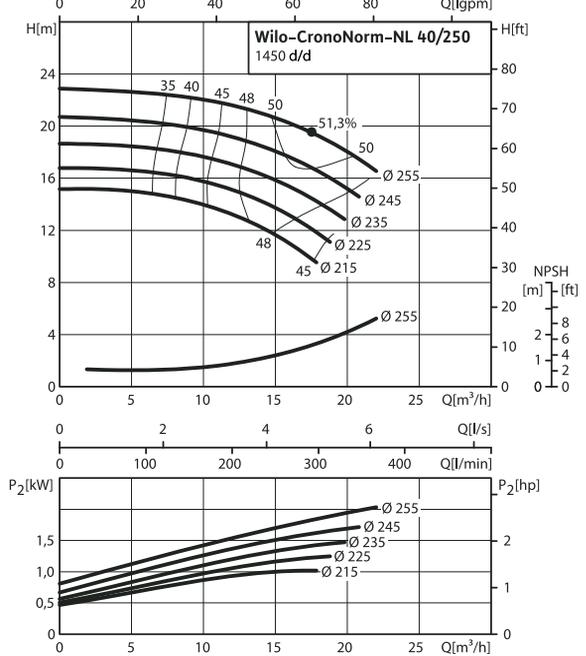
#### Wilo-CronoNorm-NL 40/200

Devir hızı 1450 d/d



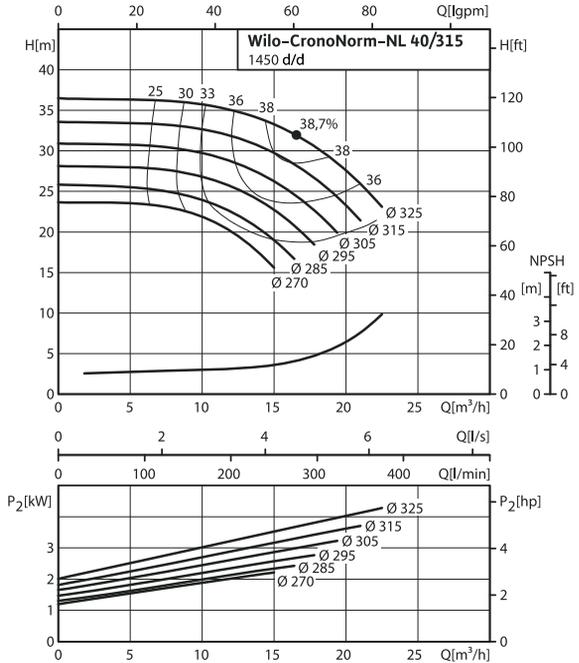
#### Wilo-CronoNorm-NL 40/250

Devir hızı 1450 d/d



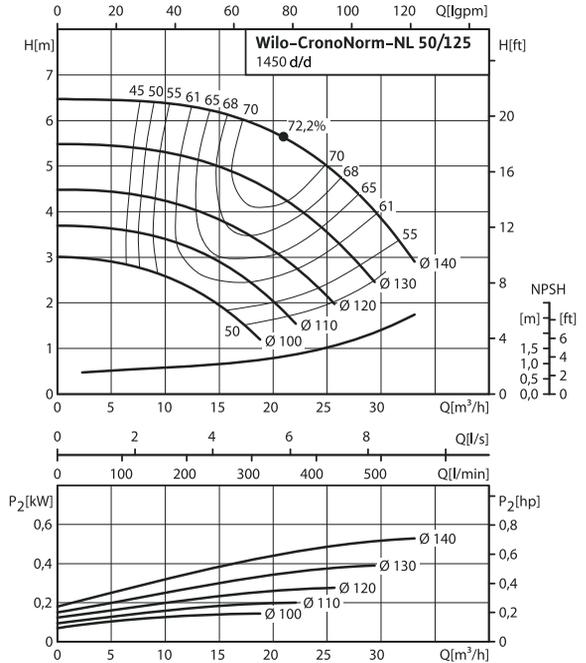
#### Wilo-CronoNorm-NL 40/315

Devir hızı 1450 d/d



#### Wilo-CronoNorm-NL 50/125

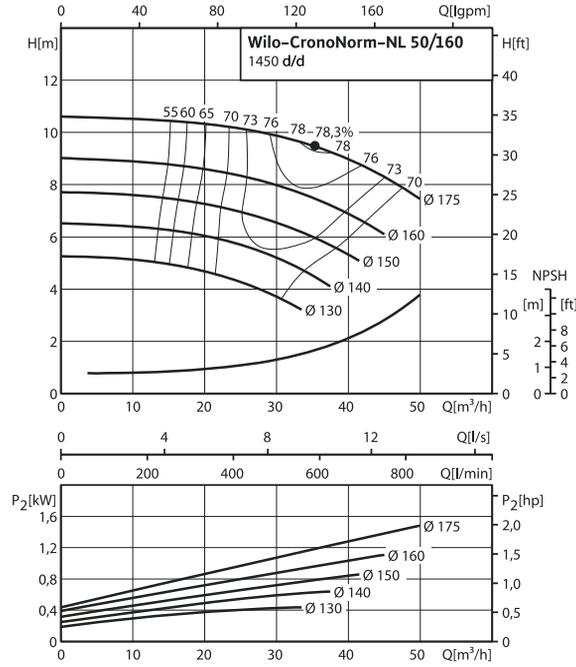
Devir hızı 1450 d/d



### Wilo-CronoNorm-NL (4 kutuplu) Karakteristik Eğriler

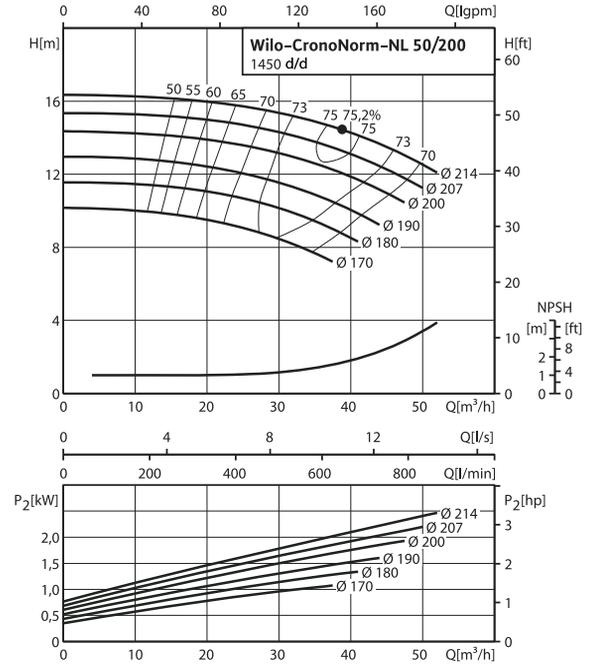
#### Wilo-CronoNorm-NL 50/160

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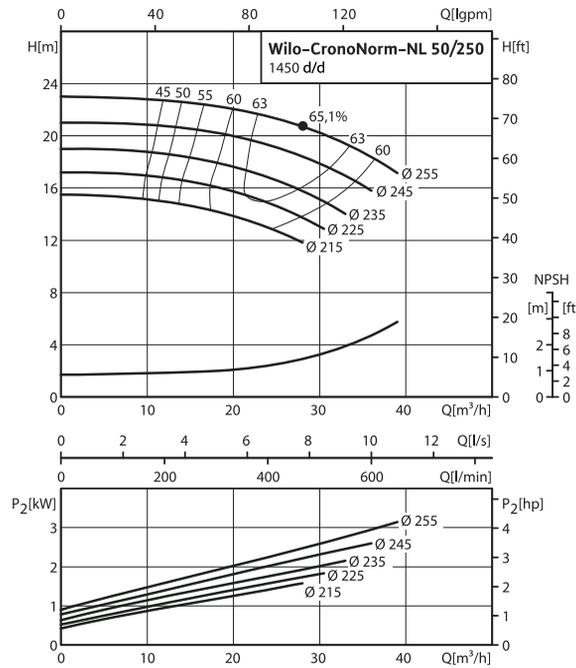
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Devir hızı 1450 d/d



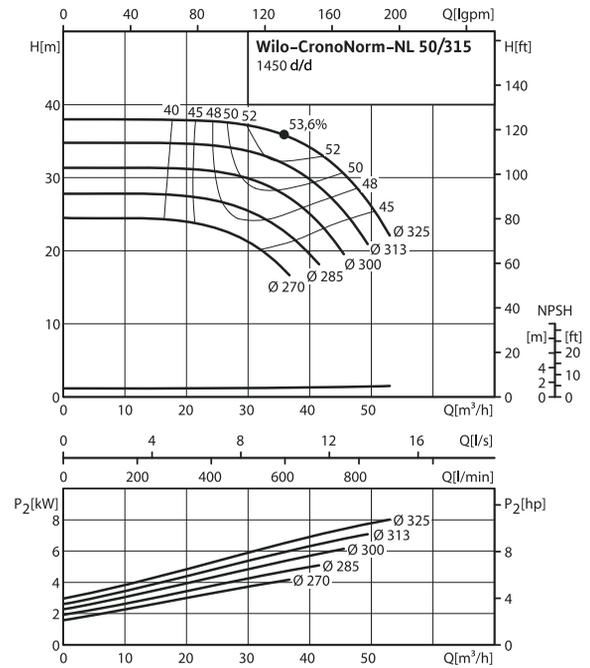
#### Wilo-CronoNorm-NL 50/250

Devir hızı 1450 d/d



#### Wilo-CronoNorm-NL 50/315

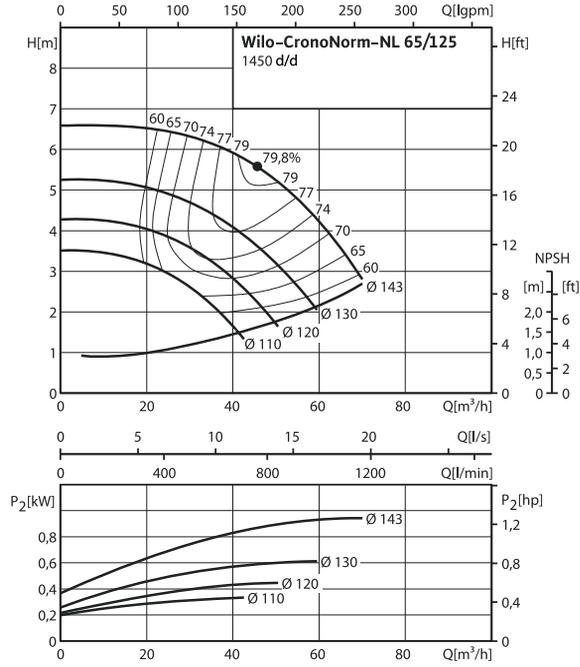
Devir hızı 1450 d/d



### Wilo-CronoNorm-NL (4 kutuplu) Karakteristik Eğriler

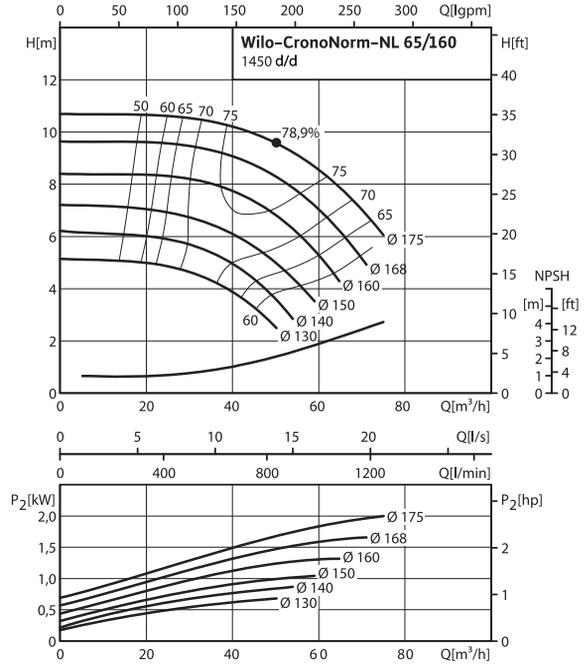
#### Wilo-CronoNorm-NL 65/125

Devir hızı 1450 d/d



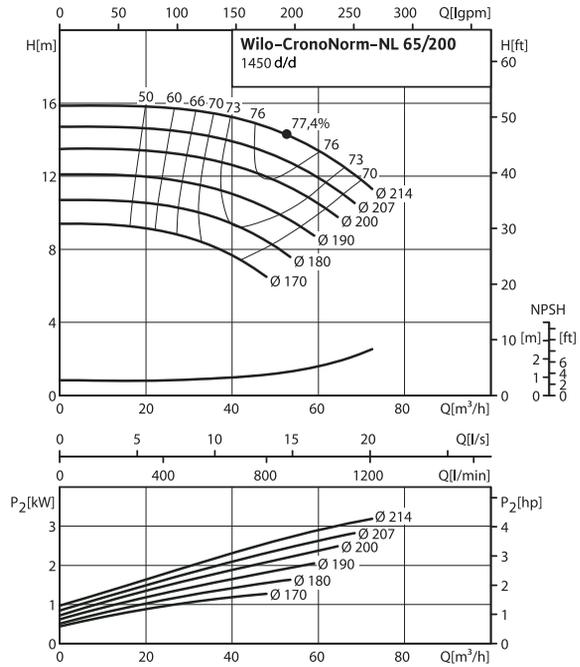
#### Wilo-CronoNorm-NL 65/160

Devir hızı 1450 d/d



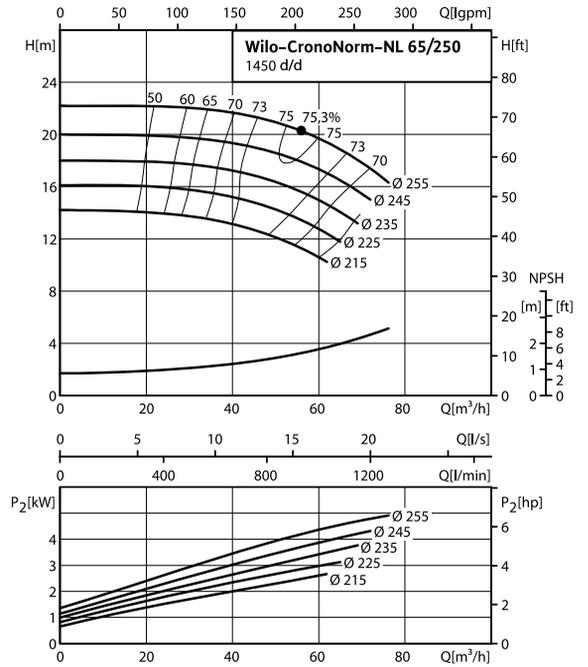
#### Wilo-CronoNorm-NL 65/200

Devir hızı 1450 d/d



#### Wilo-CronoNorm-NL 65/250

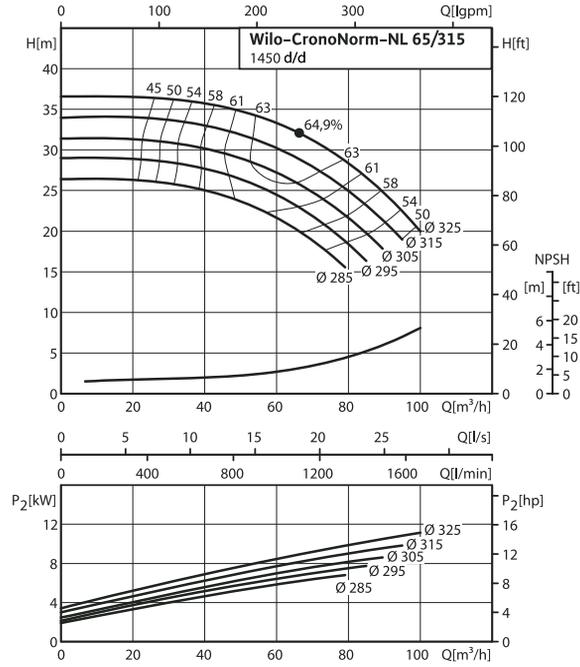
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### Wilo-CronoNorm-NL (4 kutuplu) Karakteristik Eğriler

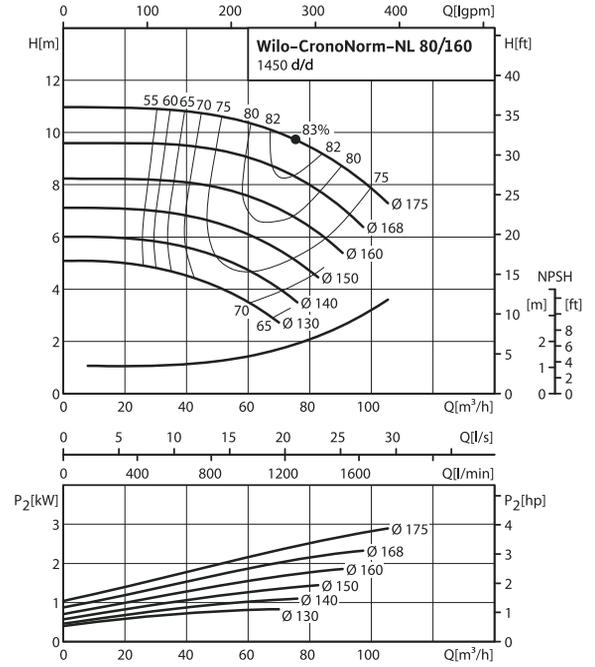
#### Wilo-CronoNorm-NL 65/315

Devir hızı 1450 d/d



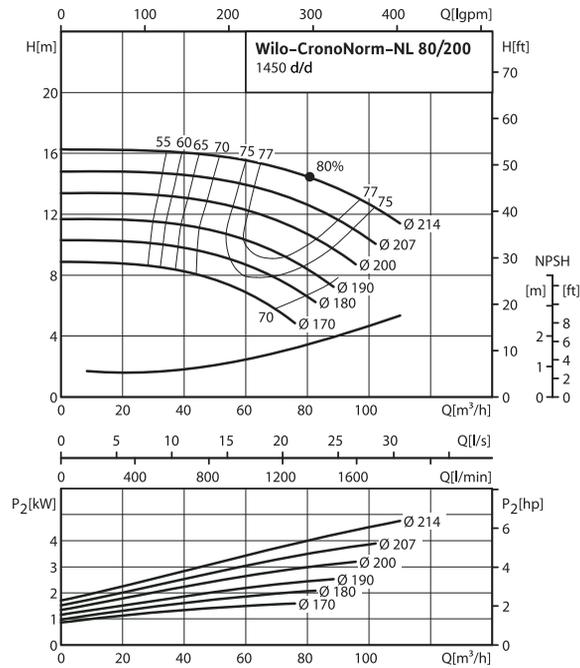
#### Wilo-CronoNorm-NL 80/160

Devir hızı 1450 d/d



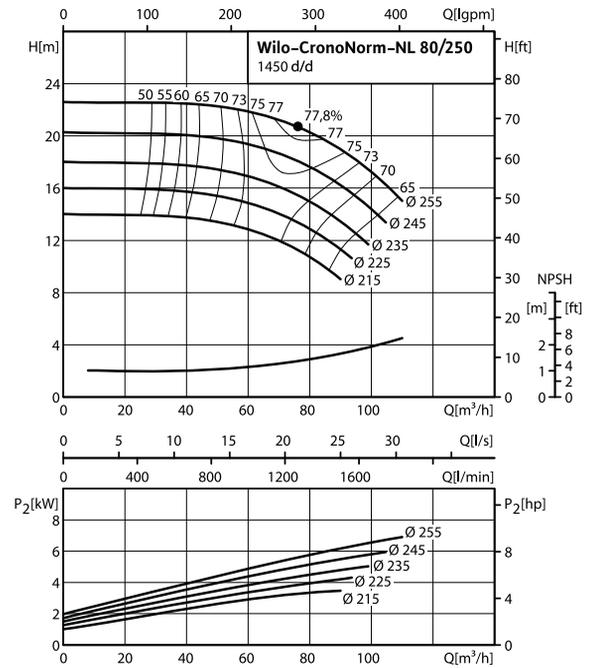
#### Wilo-CronoNorm-NL 80/200

Devir hızı 1450 d/d



#### Wilo-CronoNorm-NL 80/250

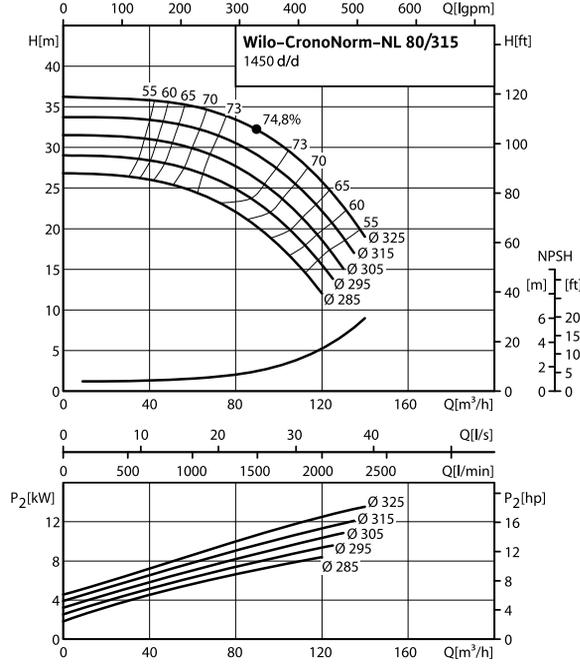
Devir hızı 1450 d/d



### Wilo-CronoNorm-NL (4 kutuplu) Karakteristik Eğriler

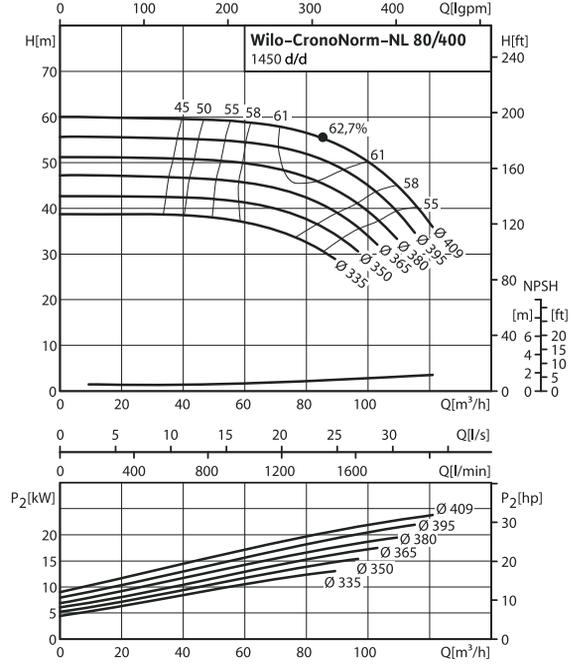
#### Wilo-CronoNorm-NL 80/315

Devir hızı 1450 d/d



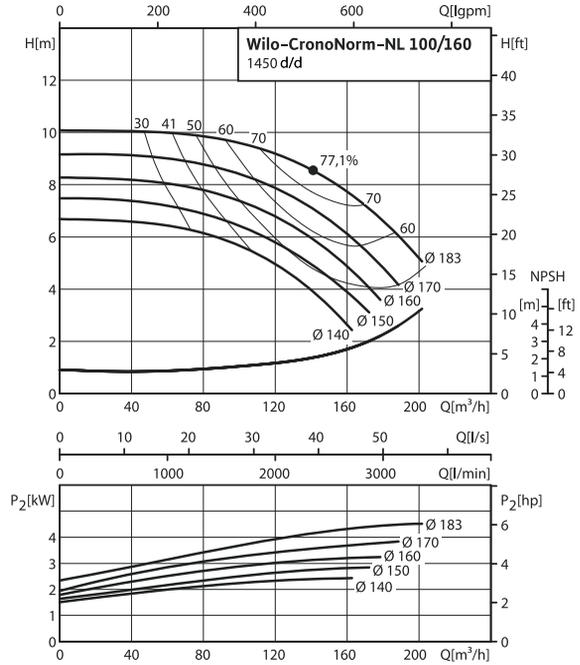
#### Wilo-CronoNorm-NL 80/400

Devir hızı 1450 d/d



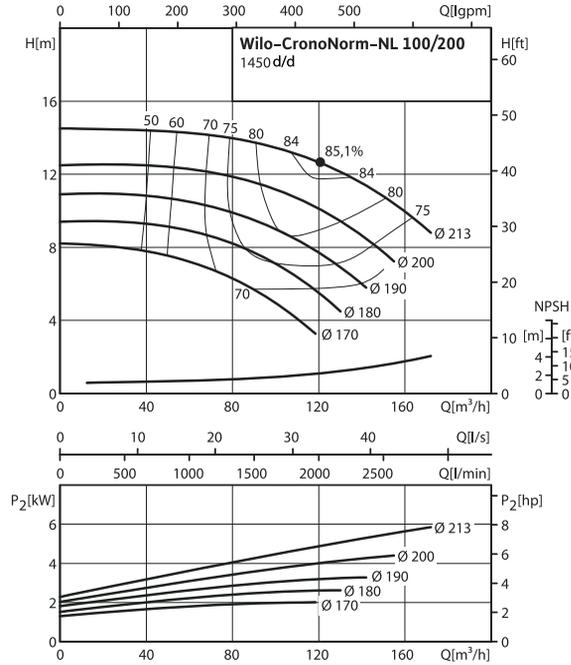
#### Wilo-CronoNorm-NL 100/160

Devir hızı 1450 d/d



#### Wilo-CronoNorm-NL 100/200

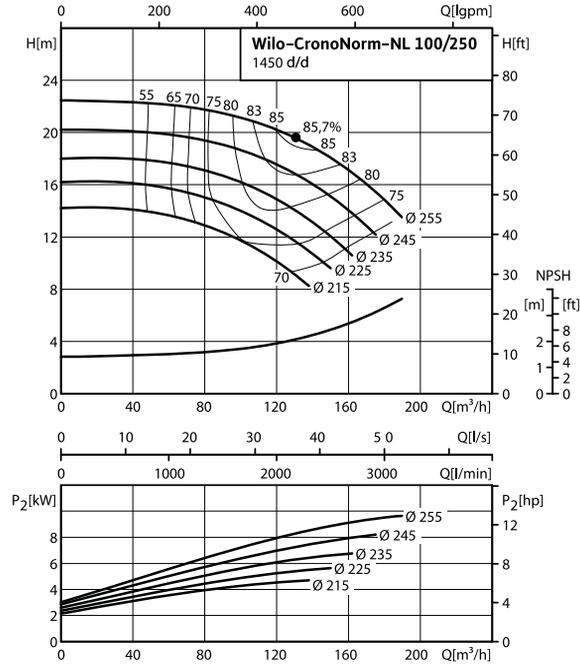
Devir hızı 1450 d/d



### Wilo-CronoNorm-NL (4 kutuplu) Karakteristik Eğriler

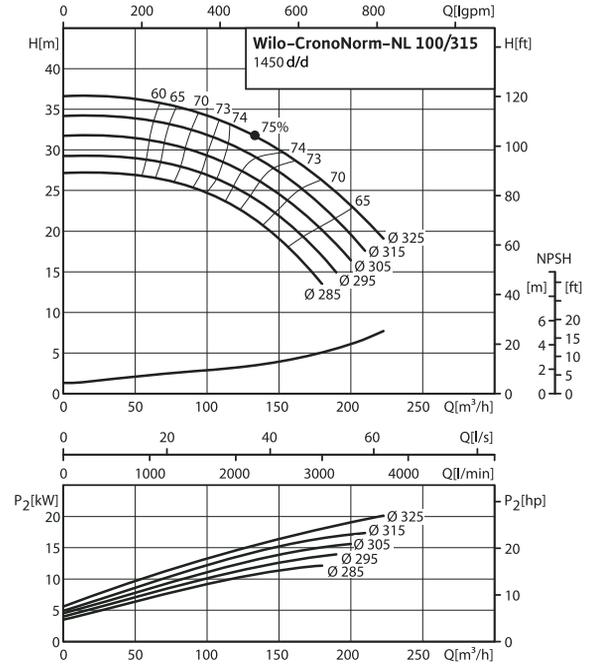
Wilo-CronoNorm-NL 100/250

Devir hızı 1450 d/d



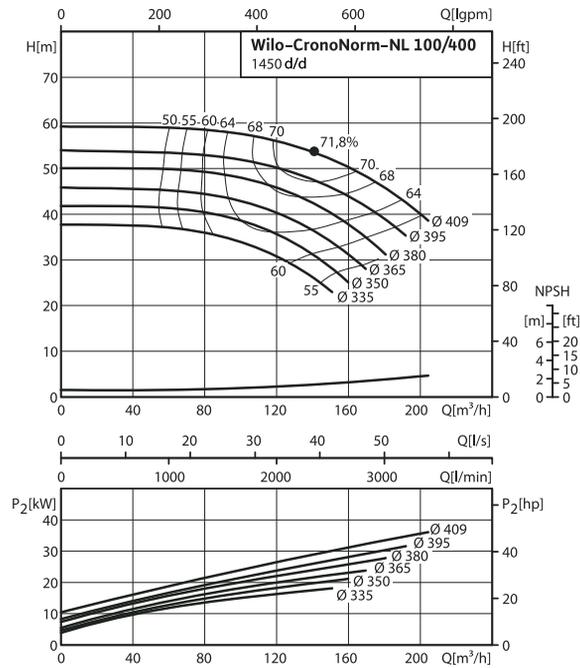
Wilo-CronoNorm-NL 100/315

Devir hızı 1450 d/d



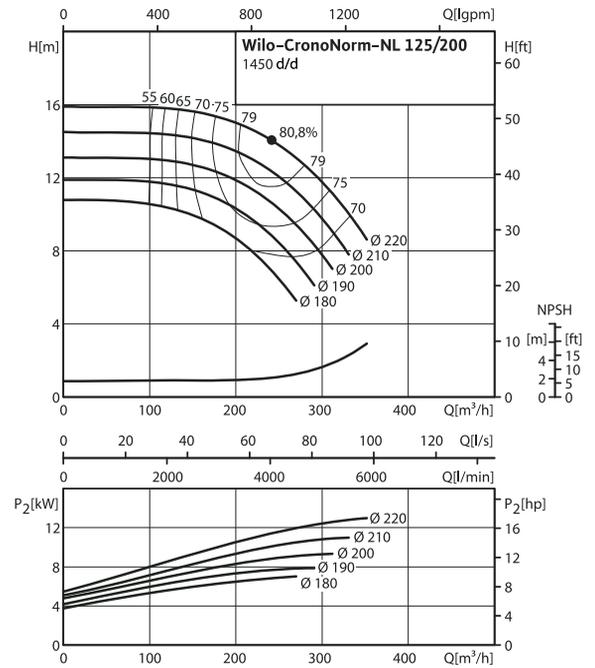
Wilo-CronoNorm-NL 100/400

Devir hızı 1450 d/d



Wilo-CronoNorm-NL 125/200

Devir hızı 1450 d/d



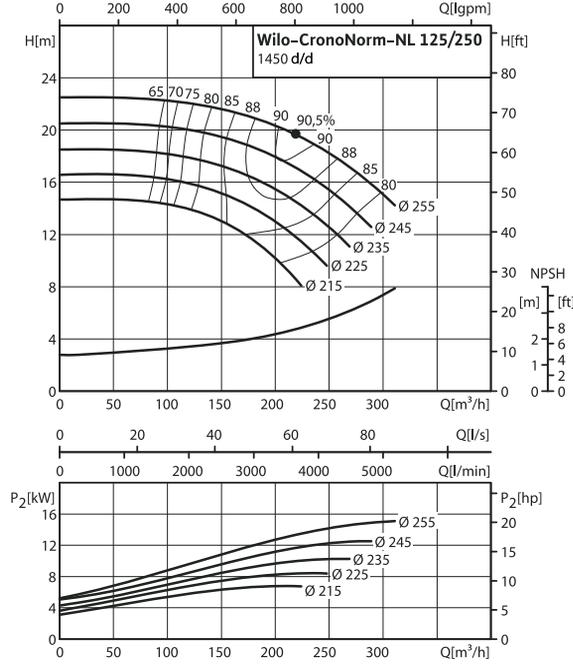
# Isıtma, Soğutma, İklimlendirme, Endüstri

## Norm Pompalar

### Wilo-CronoNorm-NL (4 kutuplu) Karakteristik Eğriler

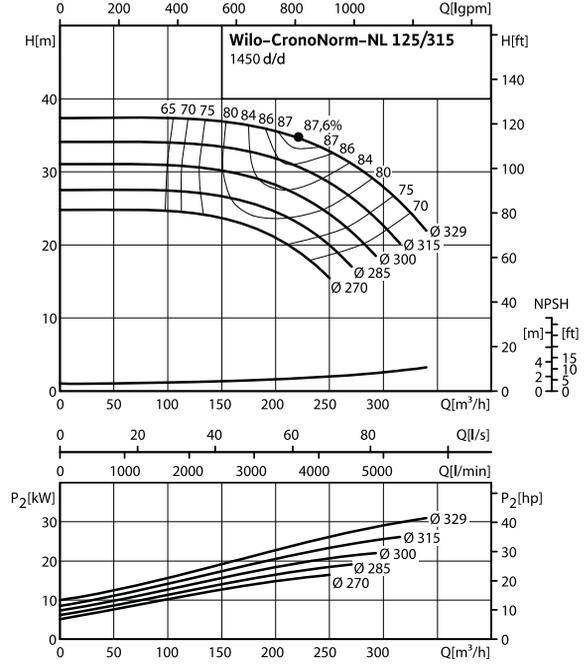
#### Wilo-CronoNorm-NL 125/250

Devir hızı 1450 d/d



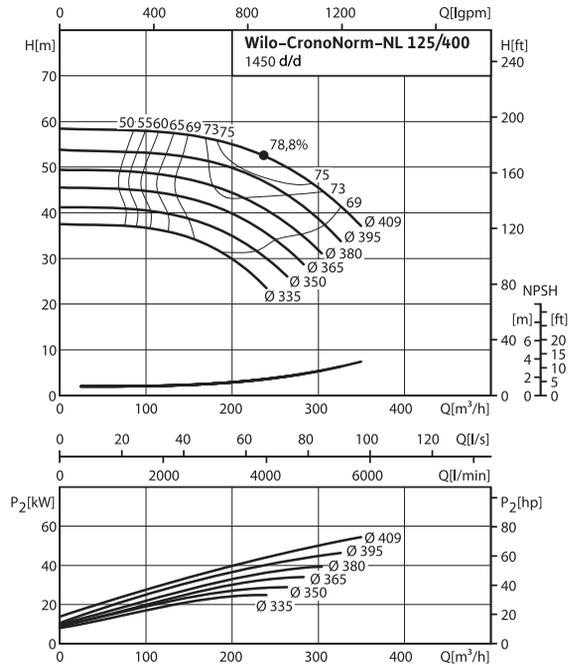
#### Wilo-CronoNorm-NL 125/315

Devir hızı 1450 d/d



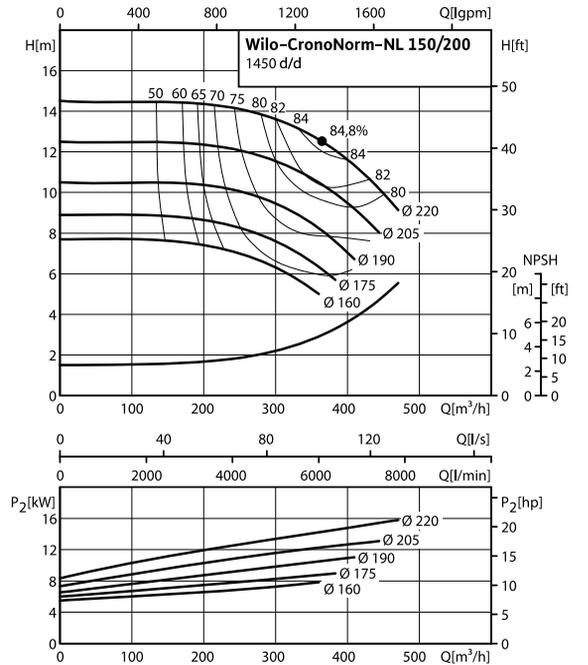
#### Wilo-CronoNorm-NL 125/400

Devir hızı 1450 d/d



#### Wilo-CronoNorm-NL 150/200

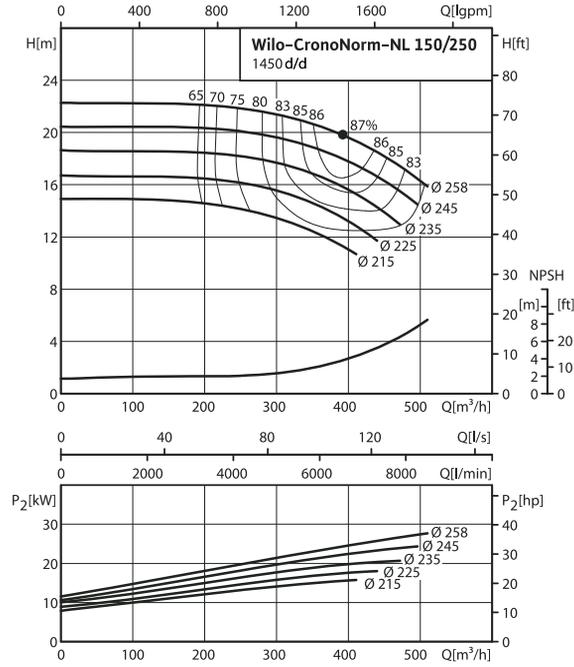
Devir hızı 1450 d/d



### Wilo-CronoNorm-NL (4 kutuplu) Karakteristik Eğriler

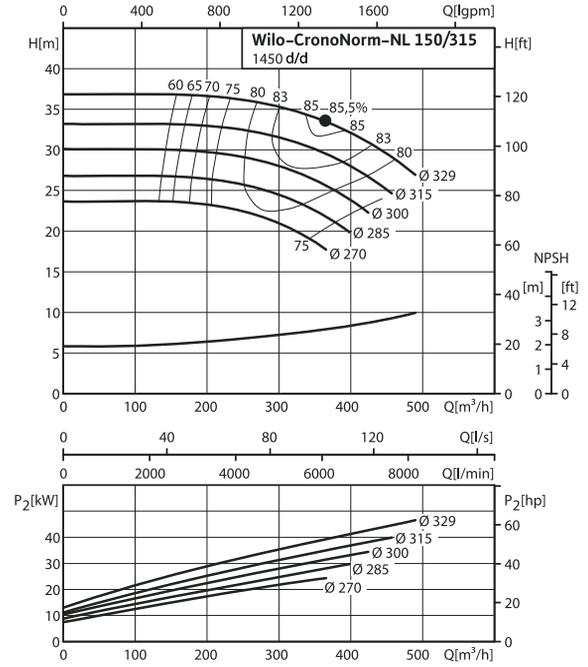
#### Wilo-CronoNorm-NL 150/250

Devir hızı 1450 d/d



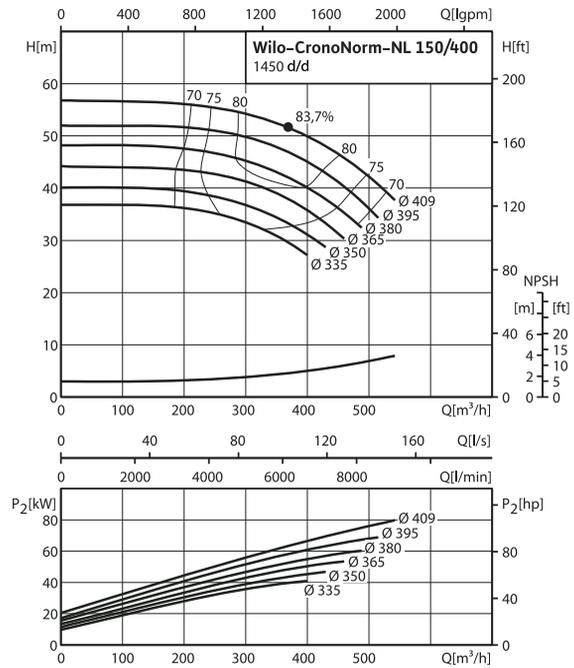
#### Wilo-CronoNorm-NL 150/315

Devir hızı 1450 d/d



#### Wilo-CronoNorm-NL 150/400

Devir hızı 1450 d/d

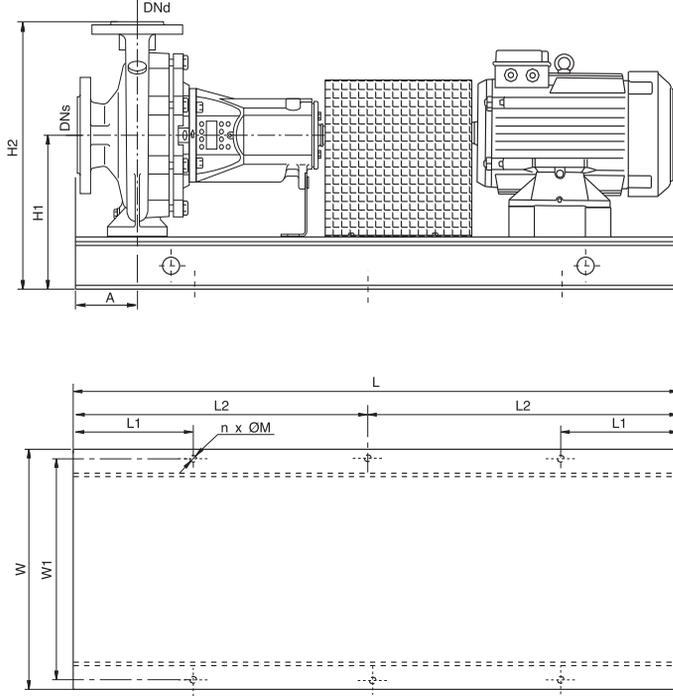


# Isıtma, Soğutma, İklimlendirme, Endüstri

## Norm Pompalar

### Wilo-CronoNorm-NL Ölçüler

#### Pompa Ölçülü Resmi



#### Ölçüler, Ağırlıklar

	DNs (mm)	DNd (mm)	L (mm)	W (mm)	H1 (mm)	H2 (mm)	A (mm)	L1 (mm)	L2 (mm)	n x M (nxØmm)	W1 (mm)
NL 32/125-0,37/4	50	32	800	300	198	338	80	150	-	4x13	270
NL 32/160-0,37/4	50	32	800	300	218	378	80	150	-	4x13	270
NL 32/160-0,55/4	50	32	800	300	218	378	80	150	-	4x13	270
NL 32/160-0,75/4	50	32	800	300	218	378	80	150	-	4x13	270
NL 32/160B-0,37/4	50	32	800	300	218	378	80	150	-	4x13	270
NL 32/160B-0,55/4	50	32	800	300	218	378	80	150	-	4x13	270
NL 32/160B-0,75/4	50	32	800	300	218	378	80	150	-	4x13	270
NL 32/200-0,55/4	50	32	800	300	246	426	80	150	-	4x13	270
NL 32/200-0,75/4	50	32	800	300	246	426	80	150	-	4x13	270
NL 32/200-1,1/4	50	32	800	300	246	426	80	150	-	4x13	270
NL 32/200-1,5/4	50	32	800	300	246	426	80	150	-	4x13	270
NL 32/200B-0,55/4	50	32	800	300	246	426	80	150	-	4x13	270
NL 32/200B-0,75/4	50	32	800	300	246	426	80	150	-	4x13	270
NL 32/200B-1,1/4	50	32	800	300	246	426	80	150	-	4x13	270
NL 32/200B-1,5/4	50	32	800	300	246	426	80	150	-	4x13	270
NL 32/250-0,75/4	50	32	800	300	266	491	100	150	-	4x13	270
NL 32/250-1,1/4	50	32	800	400	266	491	100	150	-	4x13	370
NL 32/250-1,5/4	50	32	800	400	266	491	100	150	-	4x13	370
NL 32/250-2,2/4	50	32	900	400	266	491	100	150	-	4x13	370
NL 40/125-0,37/4	65	40	800	300	198	338	80	150	-	4x13	270
NL 40/125-0,55/4	65	40	800	300	198	338	80	150	-	4x13	270
NL 40/160-0,37/4	65	40	800	300	218	378	80	150	-	4x13	270
NL 40/160-0,55/4	65	40	800	300	218	378	80	150	-	4x13	270
NL 40/160-0,75/4	65	40	800	300	218	378	80	150	-	4x13	270
NL 40/160-1,1/4	65	40	800	300	218	378	80	150	-	4x13	270

## Wilo-CronoNorm-NL Ölçüler

Ölçüler, Ağırlıklar											
	DNs (mm)	DNd (mm)	L (mm)	W (mm)	H1 (mm)	H2 (mm)	A (mm)	L1 (mm)	L2 (mm)	n x M (nxØmm)	W1 (mm)
NL 40/160-1,5/4	65	40	800	300	218	378	80	150	-	4x13	270
NL 40/200-0,55/4	65	40	800	400	246	426	100	150	-	4x13	370
NL 40/200-0,75/4	65	40	800	400	246	426	100	150	-	4x13	370
NL 40/200-1,1/4	65	40	800	400	246	426	100	150	-	4x13	370
NL 40/200-1,5/4	65	40	800	400	246	426	100	150	-	4x13	370
NL 40/200-2,2/4	65	40	900	400	246	426	100	150	-	4x13	370
NL 40/250-1,1/4	65	40	800	400	266	491	100	150	-	4x13	370
NL 40/250-1,5/4	65	40	800	400	266	491	100	150	-	4x13	370
NL 40/250-2,2/4	65	40	900	400	266	491	100	150	-	4x13	370
NL 40/250-3/4	65	40	900	400	266	491	100	150	-	4x13	370
NL 40/315-2,2/4	65	40	1000	400	311	561	125	150	-	4x13	370
NL 40/315-3/4	65	40	1000	400	311	561	125	150	-	4x13	370
NL 40/315-4/4	65	40	1000	400	311	561	125	150	-	4x13	360
NL 40/315-5,5/4	65	40	1100	450	333	583	125	150	-	4x13	360
NL 50/125-0,37/4	65	50	800	300	218	378	100	150	-	4x13	270
NL 50/125-0,55/4	65	50	800	300	218	378	100	150	-	4x13	270
NL 50/125-0,75/4	65	50	800	300	218	378	100	150	-	4x13	270
NL 50/160-0,55/4	65	50	800	400	246	426	100	150	-	4x13	270
NL 50/160-0,75/4	65	50	800	400	246	426	100	150	-	4x13	370
NL 50/160-1,1/4	65	50	800	400	246	426	100	150	-	4x13	370
NL 50/160-1,5/4	65	50	800	400	246	426	100	150	-	4x13	370
NL 50/160-2,2/4	65	50	900	400	246	426	100	150	-	4x13	370
NL 50/200-1,1/4	65	50	800	400	246	446	100	150	-	4x13	370
NL 50/200-1,5/4	65	50	800	400	246	446	100	150	-	4x13	370
NL 50/200-2,2/4	65	50	900	400	246	446	100	150	-	4x13	370
NL 50/200-3/4	65	50	900	400	246	446	100	150	-	4x13	370
NL 50/250-1,5/4	65	50	800	400	266	491	100	150	-	4x13	370
NL 50/250-2,2/4	65	50	900	400	266	491	100	150	-	4x13	370
NL 50/250-3/4	65	50	900	400	266	491	100	150	-	4x13	370
NL 50/250-4/4	65	50	900	400	266	491	100	150	-	4x13	370
NL 50/315-4/4	65	50	1000	400	311	591	125	150	-	4x13	410
NL 50/315-5,5/4	65	50	1100	450	333	613	125	150	-	4x13	410
NL 50/315-7,5/4	65	50	1100	450	333	613	125	150	-	4x13	410
NL 50/315-11/4	65	50	1200	450	333	613	125	150	-	4x13	410
NL 65/125-0,55/4	80	65	800	400	246	426	100	150	-	4x13	370
NL 65/125-0,75/4	80	65	800	400	246	426	100	150	-	4x13	370
NL 65/125-1,1/4	80	65	800	400	246	426	100	150	-	4x13	370
NL 65/160-0,75/4	80	65	800	400	246	446	100	150	-	4x13	370
NL 65/160-1,1/4	80	65	800	400	246	446	100	150	-	4x13	370
NL 65/160-1,5/4	80	65	800	400	246	446	100	150	-	4x13	370
NL 65/160-2,2/4	80	65	900	400	246	446	100	150	-	4x13	370
NL 65/200-1,1/4	80	65	800	400	266	491	100	150	-	4x13	370

# Isıtma, Soğutma, İklimlendirme, Endüstri

## Norm Pompalar

### Wilo-CronoNorm-NL Ölçüler

#### Ölçüler, Ağırlıklar

	DNs (mm)	DNd (mm)	L (mm)	W (mm)	H1 (mm)	H2 (mm)	A (mm)	L1 (mm)	L2 (mm)	n x M (nxØmm)	W1 (mm)
NL 65/200-1,5/4	80	65	800	400	266	491	100	150	-	4x13	370
NL 65/200-2,2/4	80	65	900	400	266	491	100	150	-	4x13	370
NL 65/200-3/4	80	65	900	400	266	491	100	150	-	4x13	370
NL 65/200-4/4	80	65	900	400	266	491	100	150	-	4x13	370
NL 65/250-2,2/4	80	65	900	500	308	558	100	150	-	4x13	460
NL 65/250-3/4	80	65	900	500	308	558	100	150	-	4x13	460
NL 65/250-4/4	80	65	1000	500	308	558	100	150	-	4x13	460
NL 65/250-5,5/4	80	65	1100	500	308	558	100	150	-	4x13	460
NL 65/315-5,5/4	80	65	1100	500	333	613	125	150	-	4x13	460
NL 65/315-7,5/4	80	65	1100	500	333	613	125	150	-	4x13	460
NL 65/315-11/4	80	65	1200	500	333	613	125	150	-	4x14	460
NL 65/315-15/4	80	65	1200	500	333	613	125	150	-	4x14	460
NL 80/160-1,1/4	100	80	800	400	266	491	125	150	-	4x13	370
NL 80/160-1,5/4	100	80	800	400	266	491	125	150	-	4x13	370
NL 80/160-2,2/4	100	80	900	400	266	491	125	150	-	4x13	370
NL 80/160-3/4	100	80	900	400	266	491	125	150	-	4x13	370
NL 80/160-4/4	100	80	900	400	266	491	125	150	-	4x13	370
NL 80/200-1,5/4	100	80	900	400	288	538	125	150	-	4x13	370
NL 80/200-2,2/4	100	80	1000	400	288	538	125	150	-	4x13	370
NL 80/200-3/4	100	80	1000	400	288	538	125	150	-	4x13	370
NL 80/200-4/4	100	80	1000	400	288	538	125	150	-	4x13	370
NL 80/200-5,5/4	100	80	1100	400	288	538	125	150	-	4x13	370
NL 80/250-3/4	100	80	1000	500	308	588	125	150	-	4x13	460
NL 80/250-4/4	100	80	1000	500	308	588	125	150	-	4x13	460
NL 80/250-5,5/4	100	80	1100	500	308	588	125	150	-	4x13	460
NL 80/250-7,5/4	100	80	1100	500	308	588	125	150	-	4x13	460
NL 80/315-5,5/4	100	80	1100	500	358	673	125	150	-	4x14	460
NL 80/315-7,5/4	100	80	1100	500	358	673	125	100	-	4x14	460
NL 80/315-11/4	100	80	1200	500	358	673	125	150	-	4x14	460
NL 80/315-15/4	100	80	1200	500	358	673	125	150	-	4x14	460
NL 80/400-11/4	100	80	1300	550	388	743	125	150	-	4x14	505
NL 80/400-15/4	100	80	1300	550	388	743	125	150	-	4x14	505
NL 80/400-18,5/4	100	80	1600	550	410	765	125	100	800	6x14	505
NL 80/400-22/4	100	80	1600	550	410	765	125	100	800	6x14	505
NL 80/400-30/4	100	80	1600	550	410	765	125	100	800	6x14	505
NL 100/160-2,2/4	125	100	1000	500	308	588	125	150	-	4x14	460
NL 100/160-3/4	125	100	1000	500	308	588	125	150	-	4x14	460
NL 100/160-4/4	125	100	1000	500	308	588	125	150	-	4x14	460
NL 100/160-5,5/4	125	100	1100	500	308	588	125	150	-	4x14	460
NL 100/200-2,2/4	125	100	1000	500	308	588	125	150	-	4x14	460
NL 100/200-3/4	125	100	1000	500	308	588	125	150	-	4x14	460
NL 100/200-4/4	125	100	1000	500	308	588	125	150	-	4x14	460

## Wilo-CronoNorm-NL Ölçüler

Ölçüler, Ağırlıklar											
	DNs (mm)	DNd (mm)	L (mm)	W (mm)	H1 (mm)	H2 (mm)	A (mm)	L1 (mm)	L2 (mm)	n x M (nxØmm)	W1 (mm)
NL 100/200-5,5/4	125	100	1100	500	308	588	125	150	-	4x14	460
NL 100/200-7,5/4	125	100	1100	500	308	588	125	150	-	4x14	460
NL 100/250-4/4	125	100	1000	500	333	613	140	150	-	4x14	460
NL 100/250-5,5/4	125	100	1100	500	333	613	140	150	-	4x14	460
NL 100/250-7,5/4	125	100	1100	500	333	613	140	150	-	4x14	460
NL 100/250-11/4	125	100	1200	500	333	613	140	150	-	4x14	460
NL 100/315-11/4	125	100	1200	500	358	673	140	150	-	4x14	460
NL 100/315-15/4	125	100	1200	500	358	673	140	150	-	4x14	460
NL 100/315-18,5/4	125	100	1500	500	380	695	140	100	750	6x14	455
NL 100/315-22/4	125	100	1500	500	380	695	140	100	750	6x14	455
NL 100/400-15/4	125	100	1300	600	388	743	140	150	-	4x14	560
NL 100/400-18,5/4	125	100	1500	600	410	765	140	100	750	6x14	555
NL 100/400-22/4	125	100	1500	600	410	765	140	100	750	6x14	555
NL 100/400-30/4	125	100	1600	600	410	765	140	150	800	6x14	555
NL 100/400-37/4	125	100	1600	600	452	807	140	150	800	6x16	555
NL 100/400-45/4	125	100	1600	600	452	807	140	150	800	6x16	550
NL 125/200-7,5/4	150	125	1100	500	358	673	140	150	-	4x14	460
NL 125/200-11/4	150	125	1200	500	358	673	140	150	-	4x14	460
NL 125/200-15/4	150	125	1200	500	358	673	140	150	-	4x14	460
NL 125/250-7,5/4	150	125	1100	500	358	713	140	150	-	4x14	460
NL 125/250-11/4	150	125	1200	500	358	713	140	150	-	4x14	460
NL 125/250-15/4	150	125	1200	500	358	713	140	150	-	4x14	460
NL 125/250-18,5/4	150	125	1500	500	380	735	140	100	750	6x14	455
NL 125/315-15/4	150	125	1200	600	410	765	140	150	-	6x14	555
NL 125/315-18,5/4	150	125	1600	600	410	765	140	150	800	6x14	555
NL 125/315-22/4	150	125	1600	600	410	765	140	150	800	6x14	555
NL 125/315-30/4	150	125	1600	600	410	765	140	150	800	6x14	555
NL 125/315-37/4	150	125	1700	600	452	807	140	150	800	6x16	555
NL 125/400-30/4	150	125	1600	600	445	845	140	150	800	6x14	555
NL 125/400-37/4	150	125	1700	600	487	887	140	150	850	6x16	550
NL 125/400-45/4	150	125	1700	600	487	887	140	150	850	6x16	550
NL 125/400-55/4	150	125	1800	650	487	887	140	150	900	6x16	600
NL 125/400-75/4	150	125	1800	700	487	887	140	150	900	6x20	645
NL 150/200-7,5/4	200	150	1100	600	410	810	160	150	-	4x14	555
NL 150/200-11/4	200	150	1200	600	410	810	160	150	-	4x14	555
NL 150/200-15/4	200	150	1200	600	410	810	160	150	-	4x14	555
NL 150/200-18,5/4	200	150	1500	600	410	810	160	100	750	6x14	555
NL 150/250-15/4	200	150	1200	600	410	810	160	150	-	4x14	555
NL 150/250-18,5/4	200	150	1500	600	410	810	160	100	750	6x14	555
NL 150/250-22/4	200	150	1500	600	410	810	160	100	750	6x14	555
NL 150/250-30/4	200	150	1600	600	410	810	160	150	800	6x14	555
NL 150/315-22/4	200	150	1500	700	410	810	160	100	750	6x14	555

# Isıtma, Soğutma, İklimlendirme, Endüstri

## Norm Pompalar

### Wilo-CronoNorm-NL Ölçüler

#### Ölçüler, Ağırlıklar

	DNs (mm)	DNd (mm)	L (mm)	W (mm)	H1 (mm)	H2 (mm)	A (mm)	L1 (mm)	L2 (mm)	n x M (nxØmm)	W1 (mm)
NL 150/315-30/4	200	150	1600	700	410	810	160	150	800	6x14	555
NL 150/315-37/4	200	150	1700	700	452	852	160	150	850	6x16	555
NL 150/315-45/4	200	150	1700	700	452	852	160	150	850	6x16	555
NL 150/315-55/4	200	150	1800	700	452	852	160	150	900	6x16	645
NL 150/400-45/4	200	150	1700	700	487	937	160	150	850	6x16	645
NL 150/400-55/4	200	150	1800	700	487	937	160	150	900	6x16	645
NL 150/400-75/4	200	150	1800	700	487	937	160	150	900	6x20	645
NL 150/400-90/4	200	150	1800	700	487	937	160	150	900	6x20	645

#### Ölçüler, Ağırlıklar

	DNs (mm)	DNd (mm)	L (mm)	W (mm)	H1 (mm)	H2 (mm)	A (mm)	L1 (mm)	L2 (mm)	n x M (nxØmm)	W1 (mm)
NL 32/125-0.55/2	50	32	800	300	198	338	80	150	-	4x13	270
NL 32/125-0.75/2	50	32	800	300	198	338	80	150	-	4x13	270
NL 32/125-1.1/2	50	32	800	300	198	338	80	150	-	4x13	270
NL 32/125-1.5/2	50	32	800	300	198	338	80	150	-	4x13	270
NL 32/125-2.2/2	50	32	800	300	198	338	80	150	-	4x13	270
NL 32/160-1.5/2	50	32	800	300	218	378	80	150	-	4x13	270
NL 32/160-2.2/2	50	32	800	300	218	378	80	150	-	4x13	270
NL 32/160-3/2	50	32	800	300	218	378	80	150	-	4x13	270
NL 32/160-4/2	50	32	900	350	218	378	80	150	-	4x13	320
NL 32/160-5.5/2	50	32	900	400	218	378	80	150	-	4x13	370
NL 32/160B-1.5/2	50	32	800	300	218	378	80	150	-	4x13	270
NL 32/160B-2.2/2	50	32	800	300	218	378	80	150	-	4x13	270
NL 32/160B-3/2	50	32	800	300	218	378	80	150	-	4x13	270
NL 32/160B-4/2	50	32	900	350	218	378	80	150	-	4x13	320
NL 32/160B-5.5/2	50	32	900	400	218	378	80	150	-	4x13	370
NL 32/200-2.2/2	50	32	800	300	246	426	80	150	-	4x13	270
NL 32/200-3/2	50	32	800	300	246	426	80	150	-	4x13	270
NL 32/200-4/2	50	32	900	350	246	426	80	150	-	4x13	320
NL 32/200-5.5/2	50	32	900	400	246	426	80	150	-	4x13	370
NL 32/200-7.5/2	50	32	900	400	246	426	80	150	-	4x13	370
NL 32/200-11/2	50	32	1000	450	268	448	80	150	-	4x13	410
NL 32/200B-2.2/2	50	32	800	300	218	426	80	150	-	4x13	270
NL 32/200B-3/2	50	32	800	300	218	426	80	150	-	4x13	270
NL 32/200B-4/2	50	32	900	350	218	426	80	150	-	4x13	320
NL 32/200B-5.5/2	50	32	900	400	218	426	80	150	-	4x13	370

## Wilo-CronoNorm-NL Ölçüler

Ölçüler, Ağırlıklar											
	DNs (mm)	DNd (mm)	L (mm)	W (mm)	H1 (mm)	H2 (mm)	A (mm)	L1 (mm)	L2 (mm)	n x M (nxØmm)	W1 (mm)
NL 32/200B-7,5/2	50	32	900	400	218	426	80	150	-	4x13	370
NL 32/200B-11/2	50	32	1000	450	268	448	80	150	-	4x13	410
NL 32/250-7,5/2	50	32	900	400	288	513	100	150	-	4x13	360
NL 32/250-11/2	50	32	1100	450	288	513	100	150	-	4x13	410
NL 32/250-15/2	50	32	1100	450	288	513	100	150	-	4x13	410
NL 40/125-1.1/2	65	40	800	300	198	338	80	150	-	4x13	270
NL 40/125-1.5/2	65	40	800	300	198	338	80	150	-	4x13	270
NL 40/125-2,2/2	65	40	800	300	198	338	80	150	-	4x13	270
NL 40/125-3/2	65	40	800	300	198	338	80	150	-	4x13	270
NL 40/160-2.2/2	65	40	800	300	218	378	80	150	-	4x13	270
NL 40/160-3/2	65	40	800	300	218	378	80	150	-	4x13	270
NL 40/160-4/2	65	40	900	350	218	378	80	150	-	4x13	320
NL 40/160-5,5/2	65	40	900	400	218	378	80	150	-	4x13	370
NL 40/160-7,5/2	65	40	900	400	218	378	80	150	-	4x13	370
NL 40/160-11/2	65	40	1000	450	268	428	80	150	-	4x13	410
NL 40/200-5,5/2	65	40	900	400	246	426	100	150	-	4x13	370
NL 40/200-7,5/2	65	40	900	400	246	426	100	150	-	4x13	370
NL 40/200-11/2	65	40	1100	450	268	448	100	150	-	4x13	410
NL 40/200-15/2	65	40	1100	450	268	448	100	150	-	4x13	410
NL 40/200-18,5/2	65	40	1300	450	268	448	100	150	-	4x13	410
NL 40/250-7,5/2	65	40	900	400	288	513	100	150	-	4x13	370
NL 40/250-11/2	65	40	1100	450	288	513	100	150	-	4x13	410
NL 40/250-15/2	65	40	1100	450	288	513	100	150	-	4x13	410
NL 40/250-18,5/2	65	40	1300	450	288	513	100	150	-	4x13	410
NL 40/315-15/2	65	40	1200	450	333	583	125	150	-	4x13	410
NL 40/315-18,5/2	65	40	1500	450	333	583	125	100	750	6x14	410
NL 40/315-22/2	65	40	1500	450	333	583	125	100	750	6x14	410
NL 40/315-30/2	65	40	1600	500	355	605	125	100	800	6x14	455
NL 40/315-37/2	65	40	1600	500	355	605	125	100	800	6x14	455
NL 50/125-1.1/2	65	50	800	300	218	378	100	150	-	4x13	270
NL 50/125-1.5/2	65	50	800	300	218	378	100	150	-	4x13	270
NL 50/125-3/2	65	50	900	300	218	378	100	150	-	4x13	270
NL 50/125-4/2	65	50	900	350	218	378	100	150	-	4x13	320
NL 50/125-5,5/2	65	50	900	400	218	378	100	150	-	4x13	370
NL 50/160-3/2	65	50	900	300	246	426	100	150	-	4x13	270
NL 50/160-4/2	65	50	900	350	246	426	100	150	-	4x13	320
NL 50/160-5,5/2	65	50	900	400	246	426	100	150	-	4x13	370
NL 50/160-7,5/2	65	50	900	400	246	426	100	150	-	4x13	370
NL 50/160-11/2	65	50	1100	450	268	448	100	150	-	4x13	410
NL 50/160-15/2	65	50	1100	450	268	448	100	150	-	4x13	410
NL 50/200-7,5/2	65	50	900	400	246	446	100	150	-	4x13	370
NL 50/200-11/2	65	50	1100	450	268	468	100	150	-	4x13	410

# Isıtma, Soğutma, İklimlendirme, Endüstri

## Norm Pompalar

### Wilo-CronoNorm-NL Ölçüler

#### Ölçüler, Ağırlıklar

	DNs (mm)	DNd (mm)	L (mm)	W (mm)	H1 (mm)	H2 (mm)	A (mm)	L1 (mm)	L2 (mm)	n x M (nxØmm)	W1 (mm)
NL 50/200-15/2	65	50	1100	450	268	468	100	150	-	4x13	410
NL 50/200-18,5/2	65	50	1300	450	268	468	100	150	-	4x13	410
NL 50/200-22/2	65	50	1400	500	288	488	100	100	700	6x14	455
NL 50/250-11/2	65	50	1100	450	288	513	100	150	-	4x13	410
NL 50/250-15/2	65	50	1100	450	288	513	100	150	-	4x13	410
NL 50/250-18,5/2	65	50	1300	450	288	513	100	150	-	4x13	410
NL 50/250-22/2	65	50	1400	500	288	513	100	100	700	6x14	460
NL 50/250-30/2	65	50	1400	500	330	555	100	100	700	6x14	450
NL 50/315-15/2	65	50	1200	450	333	613	125	150	-	4x13	410
NL 50/315-18,5/2	65	50	1400	450	333	613	125	100	700	6x14	410
NL 50/315-22/2	65	50	1400	500	333	613	125	100	700	6x14	455
NL 50/315-30/2	65	50	1400	500	355	635	125	100	700	6x14	455
NL 50/315-37/2	65	50	1400	500	355	635	125	100	700	6x14	455
NL 50/315-45/2	65	50	1500	550	355	635	125	100	750	6x14	505
NL 50/315-55/2	65	50	1600	600	380	660	125	100	800	6x16	555
NL 50/315-75/2	65	50	1800	700	452	732	125	100	900	6x20	645
NL 65/125-3/2	80	65	900	400	246	426	100	150	-	4x13	370
NL 65/125-4/2	80	65	900	400	246	426	100	150	-	4x13	370
NL 65/125-5,5/2	80	65	900	400	246	426	100	150	-	4x13	370
NL 65/125-7,5/2	80	65	900	400	246	426	100	150	-	4x13	370
NL 65/160-5,5/2	80	65	900	400	246	446	100	150	-	4x13	370
NL 65/160-7,5/2	80	65	900	400	246	446	100	150	-	4x13	370
NL 65/160-11/2	80	65	1100	450	268	468	100	150	-	4x13	410
NL 65/160-15/2	80	65	1100	450	268	468	100	150	-	4x13	410
NL 65/160-18,5/2	80	65	1300	450	268	468	100	150	-	4x13	410
NL 65/200-11/2	80	65	1100	450	288	513	100	150	-	4x13	410
NL 65/200-15/2	80	65	1100	450	288	513	100	150	-	4x13	410
NL 65/200-18,5/2	80	65	1300	450	288	513	100	150	-	4x13	410
NL 65/200-22/2	80	65	1400	500	288	513	100	100	700	6x14	460
NL 65/200-30/2	80	65	1400	500	330	555	100	100	700	6x14	455
NL 65/250-18,5/2	80	65	1400	450	308	558	100	100	700	6x14	410
NL 65/250-22/2	80	65	1400	500	308	558	100	100	700	6x14	460
NL 65/250-30/2	80	65	1500	500	330	580	100	100	750	6x14	455
NL 65/250-37/2	80	65	1500	500	330	580	100	100	750	6x14	455
NL 65/250-45/2	80	65	1500	550	330	580	100	100	750	6x14	505
NL 80/160-7,5/2	100	80	1000	450	266	491	125	150	-	4x13	410
NL 80/160-11/2	100	80	1100	450	288	513	125	150	-	4x13	410
NL 80/160-15/2	100	80	1100	450	288	513	125	150	-	4x13	410
NL 80/160-18,5/2	100	80	1300	500	288	513	125	150	-	4x13	460
NL 80/160-22/2	100	80	1400	500	288	513	125	100	700	6x14	460
NL 80/160-30/2	100	80	1400	500	330	555	125	100	700	6x14	455
NL 80/200-15/2	100	80	1200	450	288	538	125	150	-	4x14	410

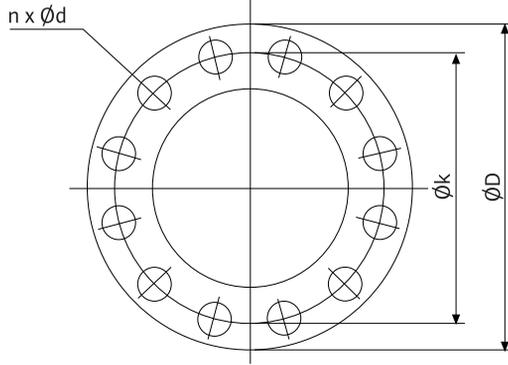
## Wilo-CronoNorm-NL Ölçüler

## Ölçüler, Ağırlıklar

	DNs (mm)	DNd (mm)	L (mm)	W (mm)	H1 (mm)	H2 (mm)	A (mm)	L1 (mm)	L2 (mm)	n x M (nxØmm)	W1 (mm)
NL 80/200-18.5/2	100	80	1400	500	288	538	125	100	700	6x14	460
NL 80/200-22/2	100	80	1500	500	288	538	125	100	750	6x14	460
NL 80/200-30/2	100	80	1500	500	330	580	125	100	750	6x14	455
NL 80/200-37/2	100	80	1500	500	330	580	125	100	750	6x14	455
NL 80/200-45/2	100	80	1600	550	355	605	125	150	800	6x16	505
NL 80/250-22/2	100	80	1500	500	308	588	125	100	750	6x14	455
NL 80/250-30/2	100	80	1500	500	330	610	125	100	750	6x14	455
NL 80/250-37/2	100	80	1500	500	330	610	125	100	750	6x14	455
NL 80/250-45/2	100	80	1600	550	355	635	125	150	800	6x16	505
NL 80/250-55/2	100	80	1600	600	380	660	125	150	800	6x16	555
NL 100/160-18.5/2	125	100	1400	500	308	588	125	100	700	6x14	455
NL 100/160-22/2	125	100	1500	500	308	588	125	100	750	6x14	455
NL 100/160-30/2	125	100	1500	500	330	610	125	100	750	6x14	455
NL 100/160-37/2	125	100	1500	500	330	610	125	100	750	6x14	455
NL 100/200-18.5/2	125	100	1400	500	308	588	125	100	700	6x14	455
NL 100/200-22/2	125	100	1500	500	308	588	125	100	750	6x14	455
NL 100/200-30/2	125	100	1500	500	330	610	125	100	750	6x14	455
NL 100/200-37/2	125	100	1500	500	330	610	125	100	750	6x14	455
NL 100/200-45/2	125	100	1600	550	330	610	125	150	800	6x16	505
NL 100/250-30/2	125	100	1600	500	355	635	140	150	800	6x16	455
NL 100/250-37/2	125	100	1600	500	355	635	140	150	800	6x16	455
NL 100/250-45/2	125	100	1600	550	355	635	140	150	800	6x16	505
NL 100/250-55/2	125	100	1700	600	380	660	140	150	850	6x16	555
NL 100/250-75/2	125	100	1800	700	452	732	140	150	900	6x20	645
NL 100/250-90/2	125	100	1800	700	452	732	140	150	900	6x20	645
NL 125/200-55/2	150	125	1700	600	380	695	140	150	850	6x16	555
NL 125/200-75/2	150	125	1800	700	452	767	140	150	900	6x20	645
NL 125/200-90/2	150	125	1800	700	452	767	140	150	900	6x20	645
NL 125/200-110/2	150	125	1900	700	507	822	140	150	950	6x20	645

### Wilo-CronoNorm-NL Flanş Ölçüleri

#### Flanş Ölçülü Resim



#### Flanş Ölçüleri (emme tarafı)

Wilo-CronoNorm-NL ...	Nominal çap	Flanş ölçüleri			Basınç sınıfı
	DN <sub>1</sub>	$\varnothing D_1$	$\varnothing k_1$	n x d <sub>L1</sub>	PN
		[mm]			Delik adeti x [mm]
32...	50	165	125	4 x 18	16
40...	65	185	145	4 x 18	16
50...	65	185	145	4 x 18	16
65...	80	200	160	4 x 18	16
80...	100	220	180	8 x 18	16
100...	125	250	210	8 x 18	16
125...	150	285	240	8 x 18	16
150...	200	340	295	8 x 22	10

#### Flanş Ölçüleri (basma tarafı)

Wilo-CronoNorm-NL ...	Nominal çap	Flanş ölçüleri			Basınç sınıfı
	DN <sub>2</sub>	$\varnothing D_2$	$\varnothing k_2$	n x d <sub>L2</sub>	PN
		[mm]			Delik adeti x [mm]
32...	32	140	100	4 x 18	16
40...	40	150	110	4 x 18	16
50...	50	165	125	4 x 18	16
65...	65	185	145	4 x 18	16
80...	80	200	160	8 x 18	16
100...	100	220	180	8 x 18	16
125...	125	250	210	8 x 18	16
150...	150	285	240	8 x 22	16