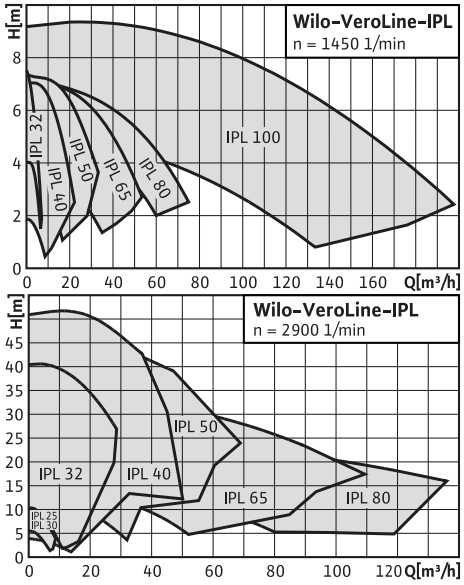
Teknik Özellikler

	Wilo-VeroLine-IPL		Wilo-CronoLine-IL	Wilo-VeroTwin-DPL	Wilo-CronoTwin-DL
İzin Verilen Akışkanlar (diğer akışkanlar için danışınız)					
VDI 2035'e uygun ısıtma suyu	•		•	•	•
Su-glikol karışımları (glikol oranı %20-40 ve akışkan sıcaklığı ≤ 40°C)	•		•	•	•
Soğuk su	•		•	•	•
Isı transfer yağı	Özel versiyon				
İzin Verilen Uygulama Aralıkları					
Standart Versiyon için maksimum çalışma basıncı [bar]	10		13 (140°C sıcaklığa kadar) 16 (120°C sıcaklığa kadar)	10	13 (140°C sıcaklığa kadar) 16 (120°C sıcaklığa kadar)
Özel Versiyon için maksimum çalışma basıncı [bar]	16		25 (özel versiyon)	16	25 (özel versiyon)
Sıcaklık Aralığı	-10°C – +120°C		-20°C – +140°C	-10°C – +120°C	-20°C – +140°C
Maksimum ortam sıcaklığı [°C]	40		40	40	40
İç ortamda montaj	•		•	•	•
Dış ortamda montaj	Özel versiyon				
Bağlantılar					
Dişli Bağlantı Rp	1 – 1 ¼	–	–	–	–
Nominal bağlantı çapı DN	–	32-100	32-250	32-100	32-200
Flanşlar (EN 1902-2)	–	PN16 (flanş delikleri EN1092-2 'ye göredir)	PN16	PN16 (flanş delikleri EN1092-2'ye göredir)	PN16 (flanş delikleri EN1092-2'ye göredir)
Flanş manometre bağlantı deliği	–	R 1/8	R 1/8	R 1/8	R 1/8
Malzemeler					
Pompa gövdesi	EN-GJL-250		EN-GJL-250 (EN-GJS-400 özel versiyon)	EN-GJL-250	EN-GJL-250 (EN-GJS-400 özel versiyon)
Laterna	EN-GJL-250		EN-GJL-250 (EN-GJS-400 özel versiyon)	EN-GJL-250	EN-GJL-250 (EN-GJS-400 özel versiyon)
Çark (standart)	Polipropilen, cam yünü ile güçlendirilmiş/ EN-GJL-200 (bazı modellerde)		EN-GJL-250	Polipropilen, cam yünü ile güçlendirilmiş/ EN-GJL-200 (bazı modellerde)	EN-GJL-250
Çark (özel versiyon)	–		G-CuSn10	–	G-CuSn10
Pompa mili	1.4021		1.4122	1.4021	1.4122
Mekanik salmastra	AQEGG				
Diğer mekanik salmastralar	Özel versiyon				
Elektrik Bağlantıları					
Voltaj	3~400V, 50Hz		3~400V, 50Hz(diğerleri özel versiyon)	3~400V, 50Hz	3~400V, 50Hz(diğerleri özel versiyon)
Hız aralığı [d/d]	1450/2900		960/1450/2900	1450/2900	1450/2900
Motor/Elektronik					
Entegre tam motor koruması	Özel versiyon: PTC termistör sensör (TRS)				
Koruma sınıfı	IP55		IP55	IP55	IP55
Yalıtım sınıfı	F		F	F	F
Hız kontrolü	Pano ile				
Motor sargıları ≤3 kW	230 V Δ/ 400 V Y, 50 Hz				
Motor sargıları ≥ 4 kW	400 V Δ/ 690 V Y, 50 Hz				
Montaj					
Doğrudan boruya montaj (≤15 kW)	•		•	•	•
Montaj konsolu destekli	•		•	•	•

Wilo-VeroLine-IPL





Dizayn

Dişli ve flanş bağlantılı, kuru rotorlu (salmastralı), yekpare milli, inline tip pompa

Uygulama

Isıtma , soğutma ve iklimlendirme tesisatları

Pompa Kodlaması

Örnek : **IPL 40/160-4/2**

IPL	İnline pompa
40	Nominal bağlantı çapı DN
160	Nominal çark çapı
4	Nominal motor gücü P_2, kW
2	Kutup sayısı

Ürün Özellikleri / Faydalar

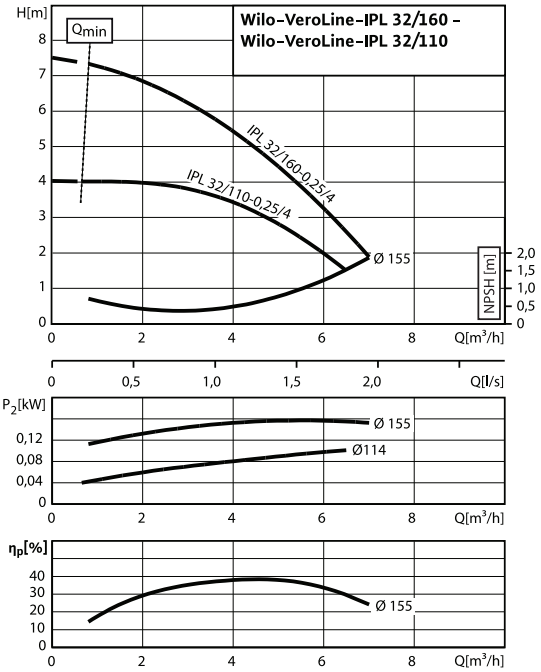
- Kataforez kaplama ile yüksek korozyon dayanımı
- Motor gövdesi ve laternada özel kondensat tahliye delikleri
- Yekpare mil (motor ve pompa mili ortak)
- Versiyon N : standart B5 veya V1 motor
- Cebri soğutmalı iki yönlü mekanik salmastra
- Gövde üzerindeki ayaklar ile kolay montaj

Değişiklik yapma hakkı saklıdır 2010 WILO A.Ş.

Wilo-VeroLine-IPL Karakteristik Eğriler

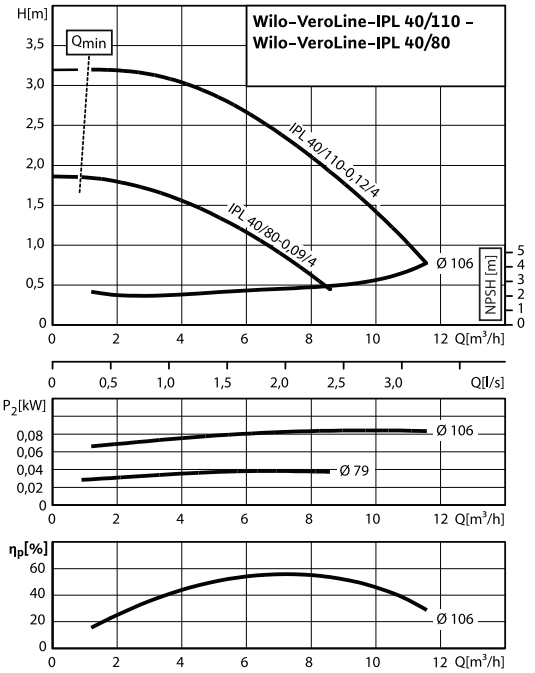
Wilo-VeroLine-IPL 32/110-0,25/4 - 32/160-0,25/4

Devir hızı 1450 d/d



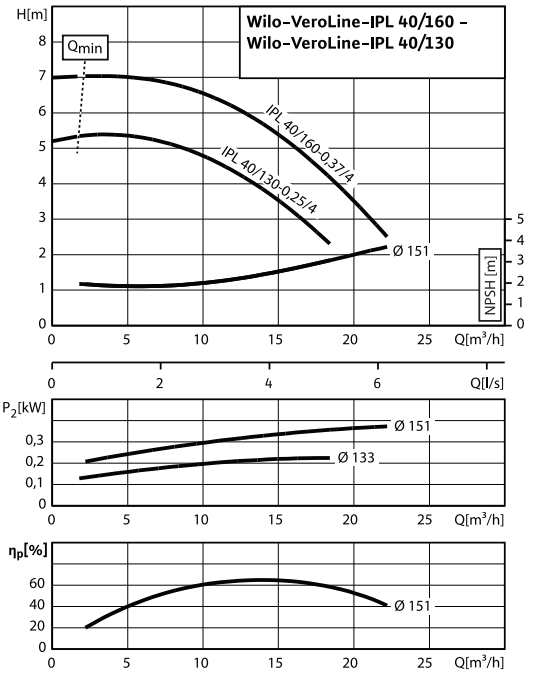
Wilo-VeroLine-IPL 40/80-0,09/4 - 40/110-0,12/4

Devir hızı 1450 d/d



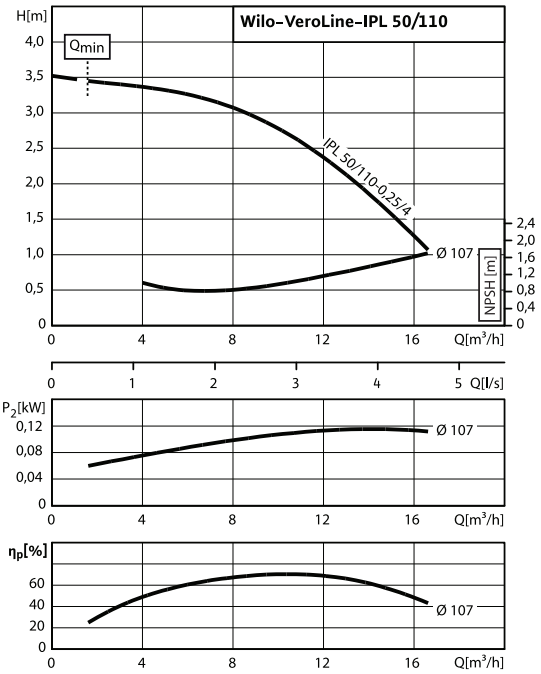
Wilo-VeroLine-IPL 40/130-0,25/4 - 40/160-0,37/4

Devir hızı 1450 d/d



Wilo-VeroLine-IPL 50/110-0,25/4

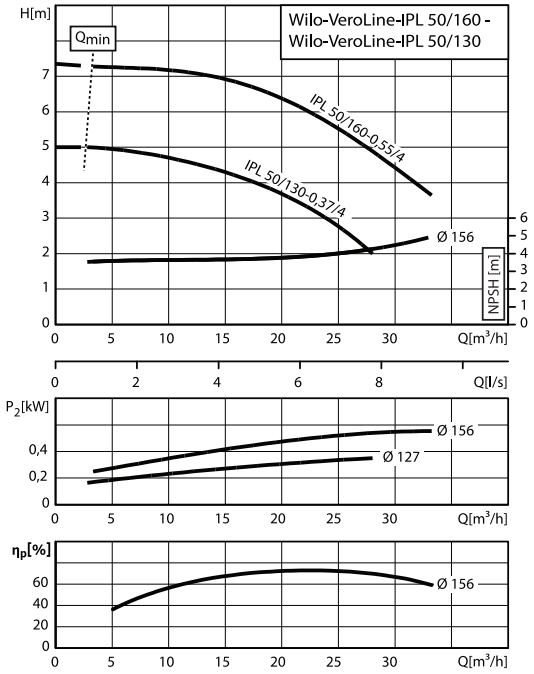
Devir hızı 1450 d/d



Wilo-VeroLine-IPL Karakteristik Eğriler

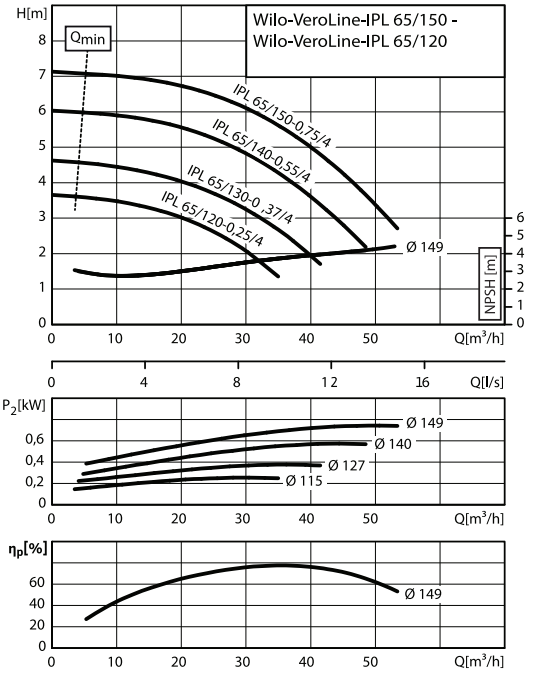
Wilo-VeroLine-IPL 50/130-0,37/4 - 50/160-0,55/4

Devir hızı 1450 d/d



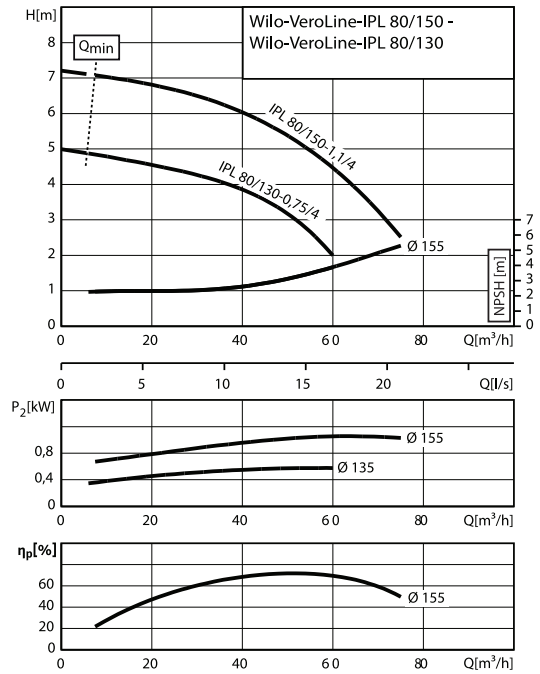
Wilo-VeroLine-IPL 65/120-0,25/4 - 65/150-0,75/4

Devir hızı 1450 d/d



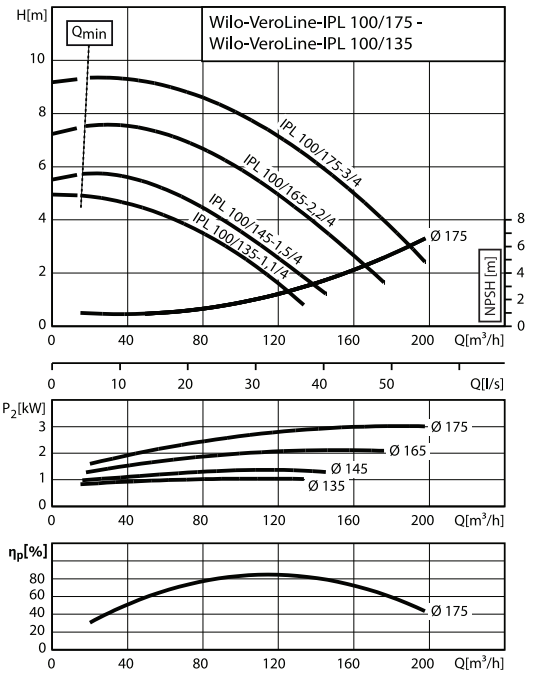
Wilo-VeroLine-IPL 80/130-0,75/4 - 80/150-1,1/4

Devir hızı 1450 d/d



Wilo-VeroLine-IPL 100/135-1,1/4 - 100/175-3/4

Devir hızı 1450 d/d

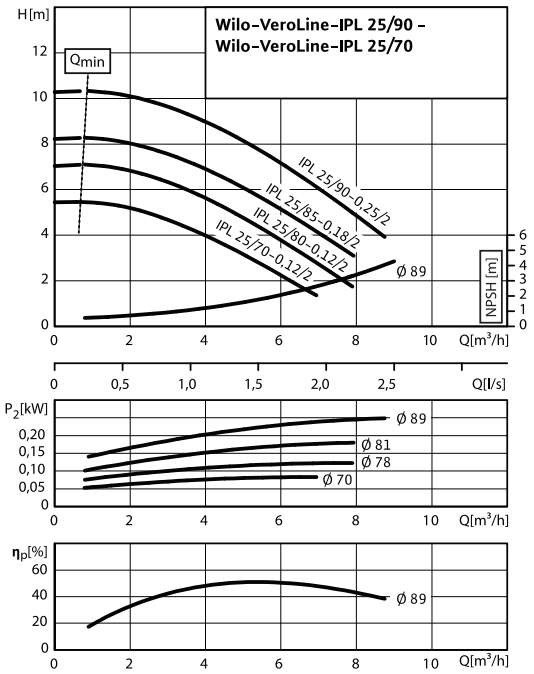


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Wilo-VeroLine-IPL Karakteristik Eğriler

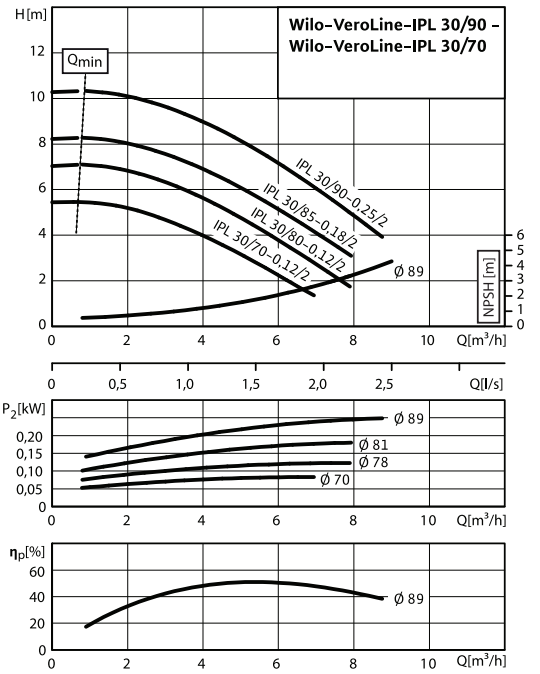
Wilo-VeroLine-IPL 25/70-0,12/2 - 25/90-0,25/2

Devir hızı 2900 d/d



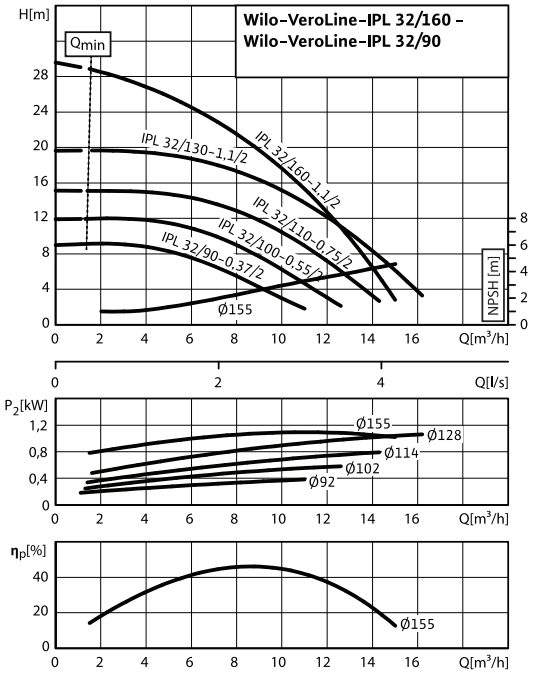
Wilo-VeroLine-IPL 30/70-0,12/2 - 30/90-0,25/2

Devir hızı 2900 d/d



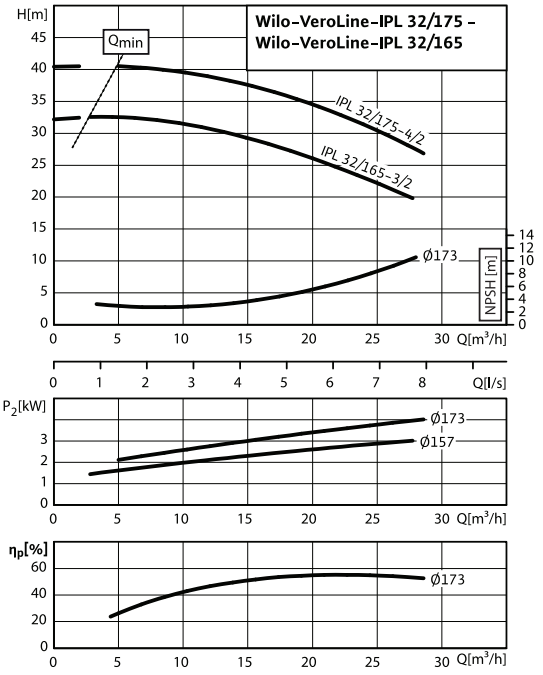
Wilo-VeroLine-IPL 32/90-0,37/2 - 32/160-1,1/2

Devir hızı 2900 d/d



Wilo-VeroLine-IPL 32/165-3/2 - 32/175-4/2

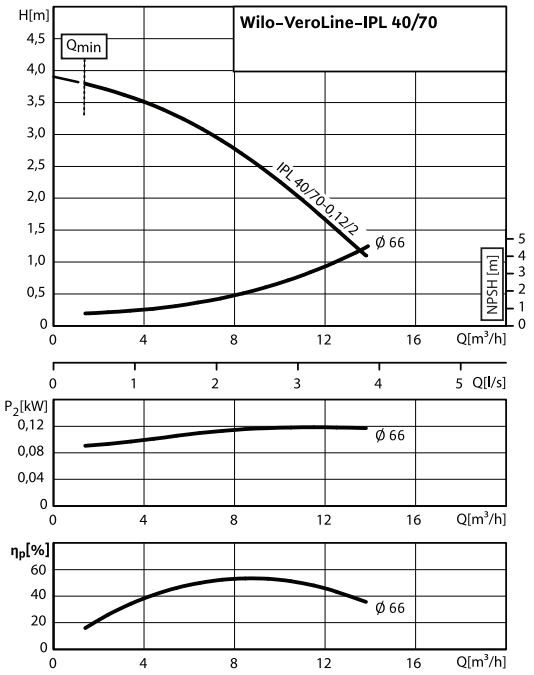
Devir hızı 2900 d/d



Wilo-VeroLine-IPL Karakteristik Eğriler

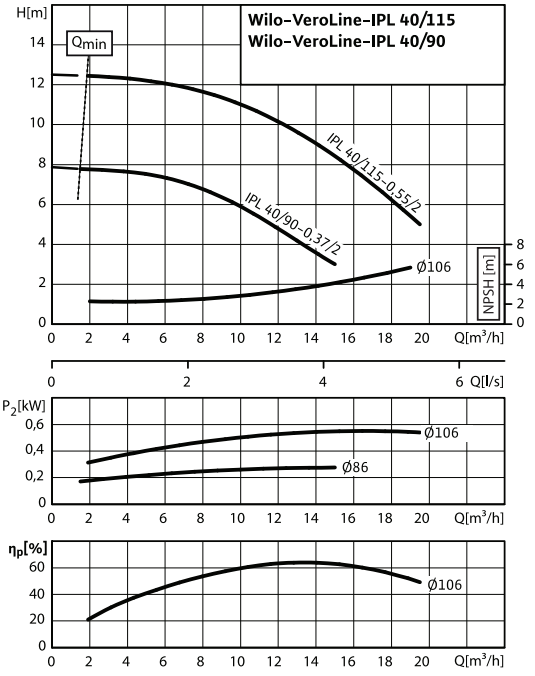
Wilo-VeroLine-IPL 40/70-0,12/2

Devir hızı 2900 d/d



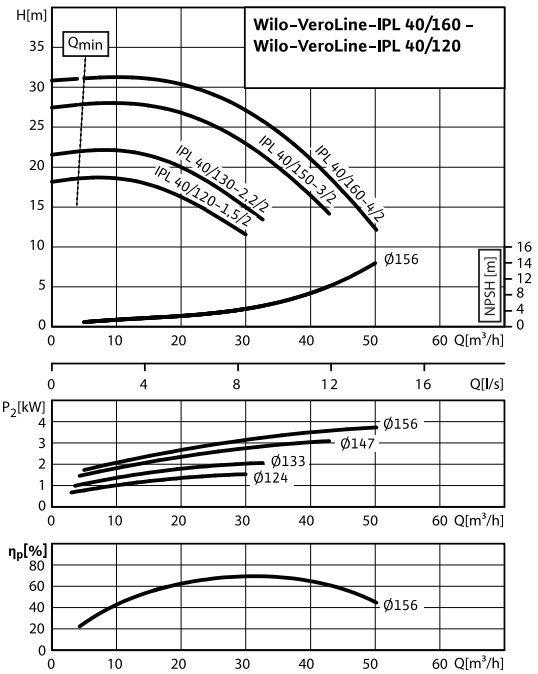
Wilo-VeroLine-IPL 40/90-0,37/2 – 40/115-0,55/2

Devir hızı 2900 d/d



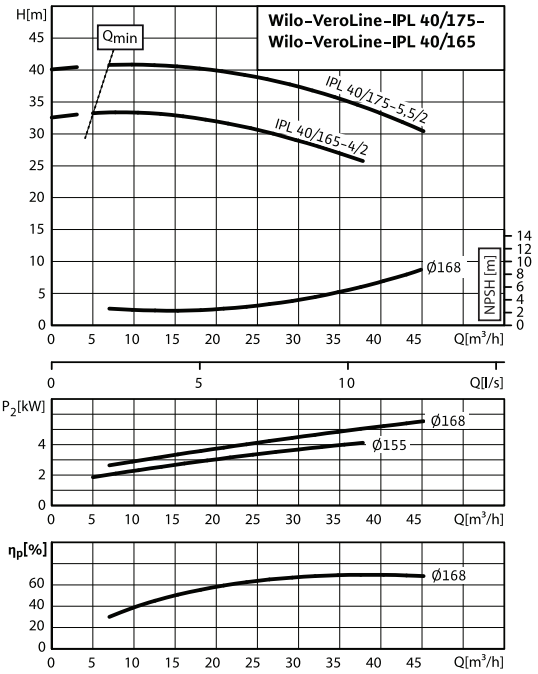
Wilo-VeroLine-IPL 40/120-1,5/2 – 40/160-4/2

Devir hızı 2900 d/d



Wilo-VeroLine-IPL 40/165-4/2 – 40/175-5,5/2

Devir hızı 2900 d/d

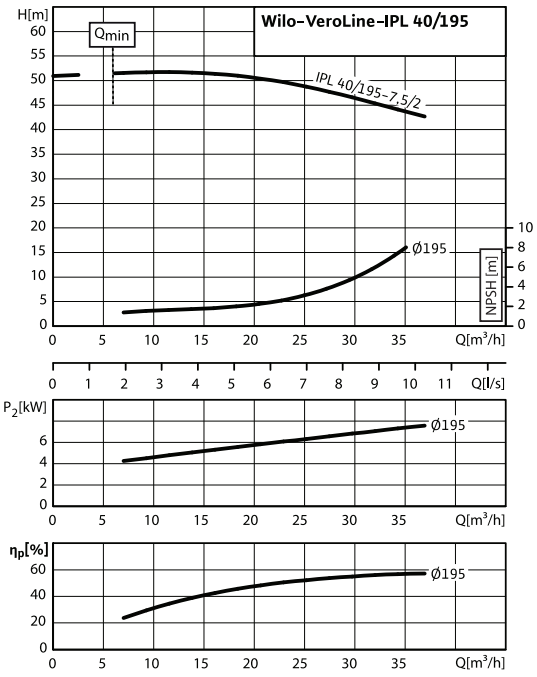


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Wilo-VeroLine-IPL Karakteristik Eğriler

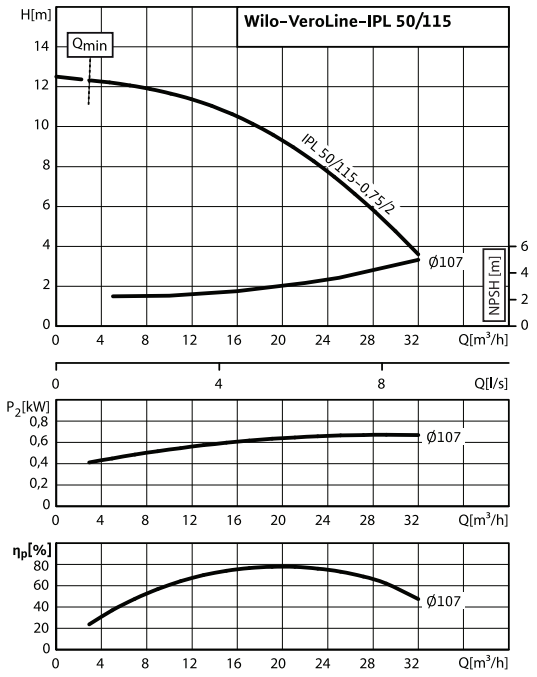
Wilo-VeroLine-IPL 40/195-7,5/2

Devir hızı 2900 d/d



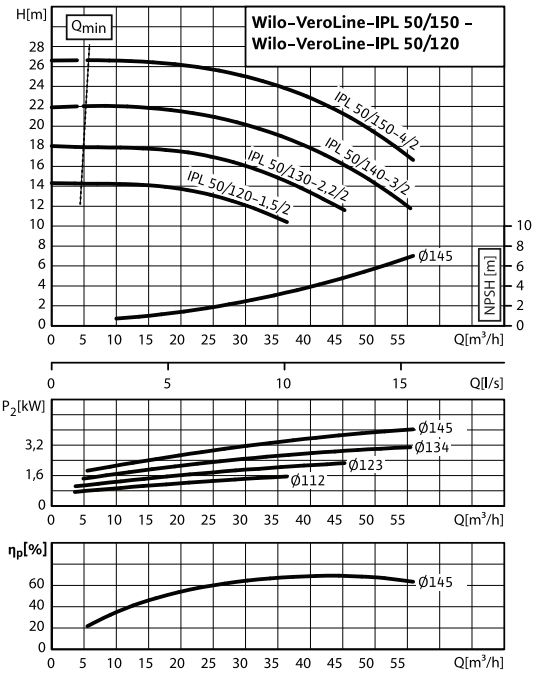
Wilo-VeroLine-IPL 50/115-0,75/2

Devir hızı 2900 d/d



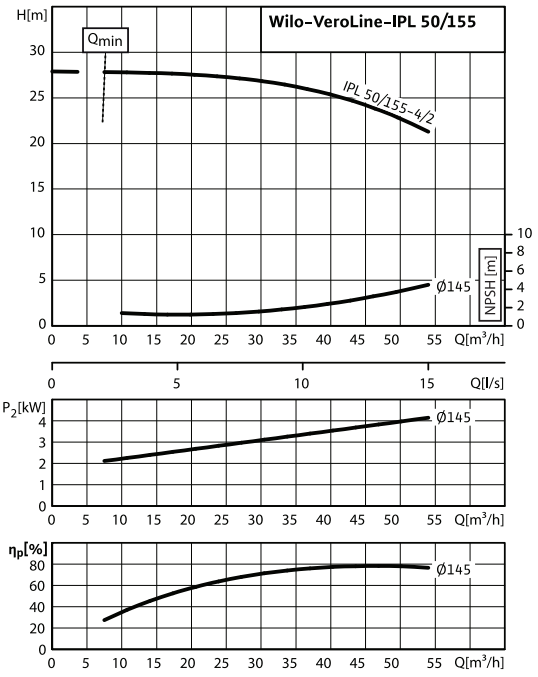
Wilo-VeroLine-IPL 50/120-1,5/2 - 50/150-4/2

Devir hızı 2900 d/d



Wilo-VeroLine-IPL 50/155-4/2

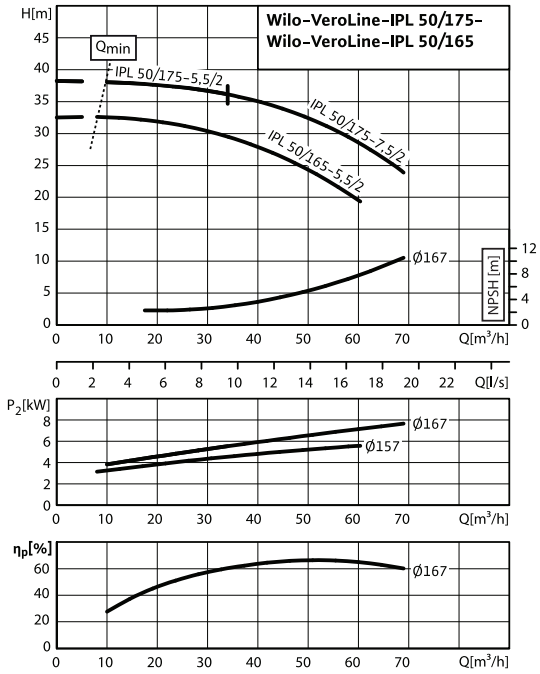
Devir hızı 2900 d/d



Wilo-VeroLine-IPL Karakteristik Eğriler

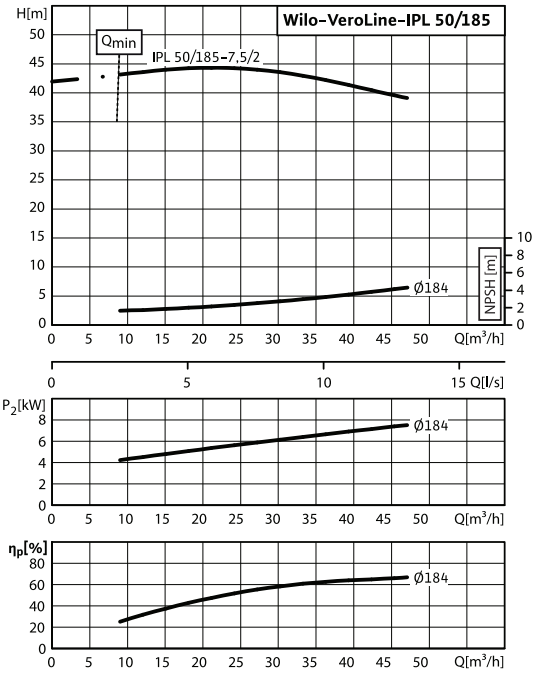
Wilo-VeroLine-IPL 50/165-5,5/2 - 50/175-7,5/2

Devir hızı 2900 d/d



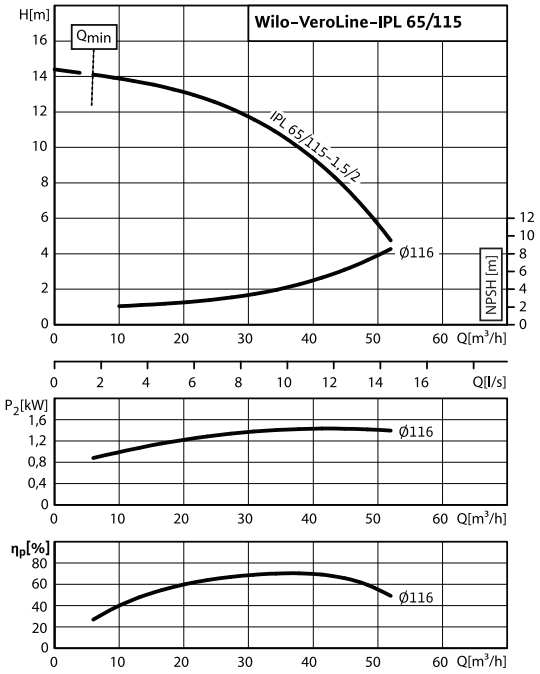
Wilo-VeroLine-IPL 50/185-7,5/2

Devir hızı 2900 d/d



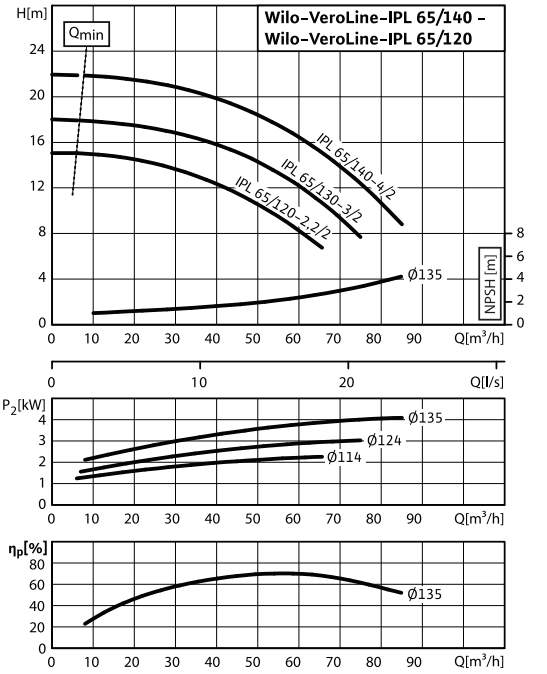
Wilo-VeroLine-IPL 65/115-1,5/2

Devir hızı 2900 d/d



Wilo-VeroLine-IPL 65/120-2,2/2 - 65/140-4/2

Devir hızı 2900 d/d

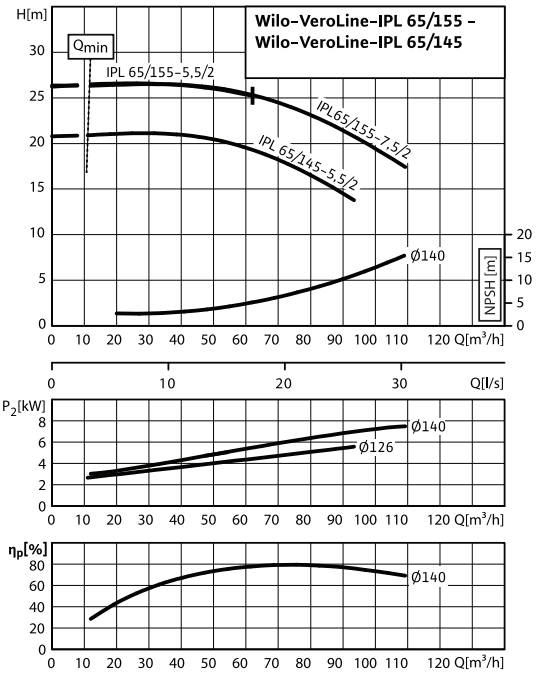


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Wilo-VeroLine-IPL Karakteristik Eğriler

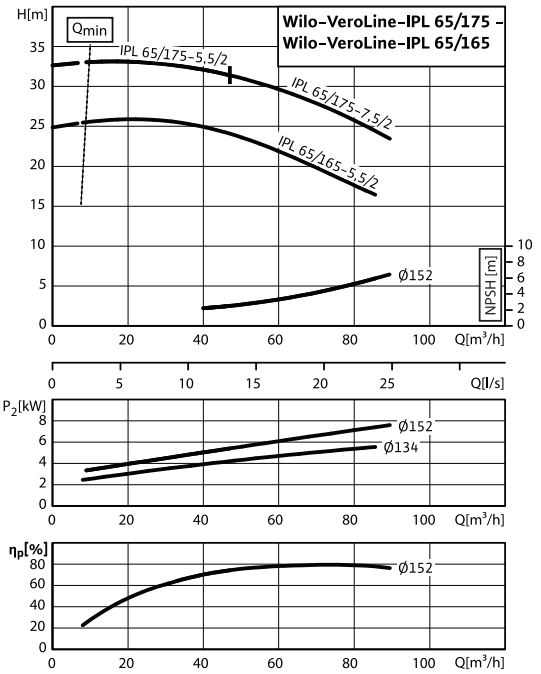
Wilo-VeroLine-IPL 65/145-5,5/2 - 65/155-7,5/2

Devir hızı 2900 d/d



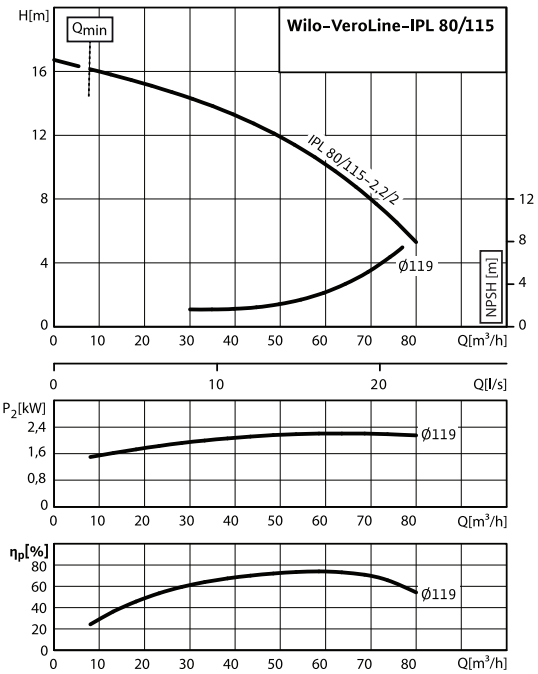
Wilo-VeroLine-IPL 65/165-5,5/2 - 65/175-7,5/2

Devir hızı 2900 d/d



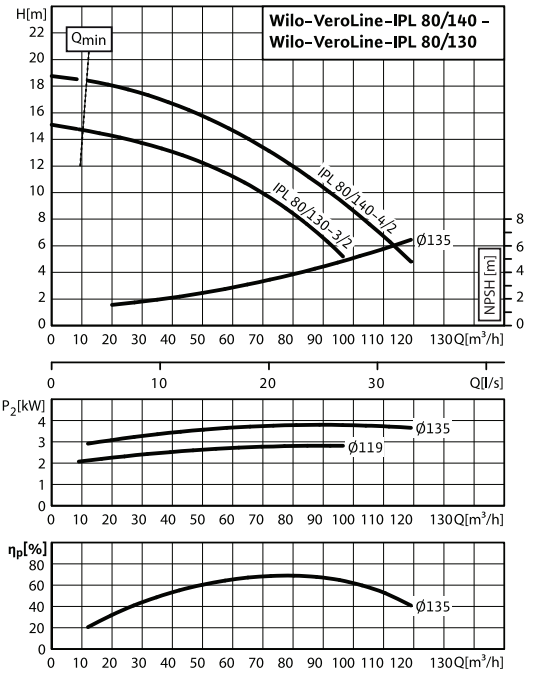
Wilo-VeroLine-IPL 80/115-2,2/2

Devir hızı 2900 d/d



Wilo-VeroLine-IPL 80/130-3/2 - 80/140-4/2

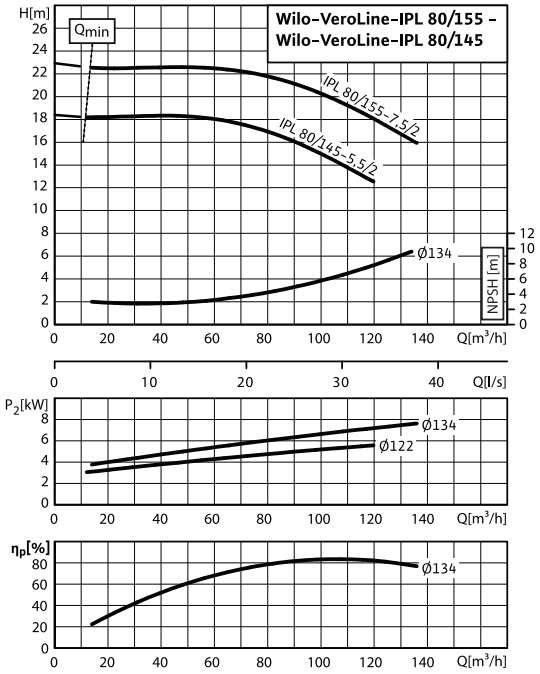
Devir hızı 2900 d/d



Wilo-VeroLine-IPL Karakteristik Eğriler

Wilo-VeroLine-IPL 80/145-5,5/2 - 80/155-7,5/2

Devir hızı 2900 d/d

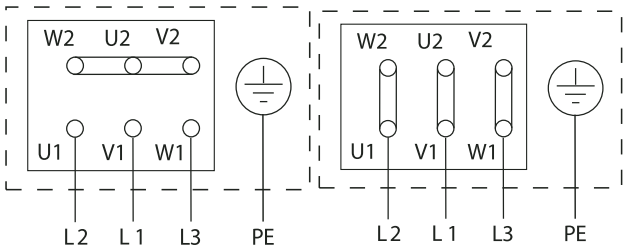


Değişiklik yapma hakkı saklıdır 2010 WILO A.Ş.

Wilo-VeroLine-IPL Bağlantı Şemaları, Motor Bilgileri

Bağlantı Şeması

Y resim **Δ resim**



Motor koruma svici kullanılmalıdır. Dönüş yönü kontrol edilmelidir. Dönüş yönünü değiştirmek için, herhangi iki fazı yer değiştiriniz.

$P_2 \leq 3$ kW	3~400 V Y 3~230 V Δ
$P_2 \geq 4$ kW	3~690 V Y 3~400 V Δ

Köprüler kaldırılarak, Y- Δ kalkış mümkündür.

Motor Bilgileri (1450 d/d)

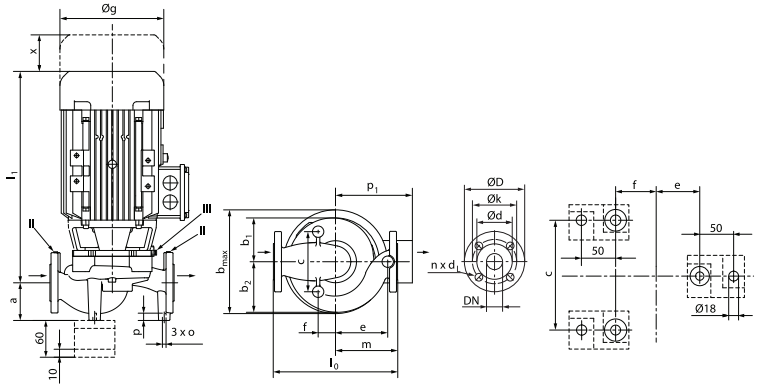
Wilo-VeroLine-IPL ...	Nominal Akım (yaklaşık)	Güç Faktörü	Verim
	I_N 3~400 V	cos φ	η_M
	[A]	–	
0.09 kW	0.37	0.69	0.51
0.12 kW	0.45	0.67	0.58
0.25 kW	0.86	0.74	0.61
0.37 kW	1.10	0.75	0.65
0.55 kW	1.70	0.69	0.70
0.75 kW	1.95	0.76	0.73
1.1 kW	2.90	0.78	0.74
1.5 kW	3.35	0.82	0.79
2.2 kW	4.70	0.83	0.82
3 kW	6.40	0.83	0.83

Motor Bilgileri (2900 d/d)

Wilo-VeroLine-IPL ...	Nominal Akım (yaklaşık)	Güç Faktörü	Verim
	I_N 3~400 V	cos φ	η_M
	[A]	–	
0.12 kW	0.35	0.74	0.67
0.18 kW	0.53	0.77	0.68
0.25 kW	0.70	0.76	0.66
0.37 kW	1.00	0.84	0.68
0.55 kW	1.40	0.82	0.70
0.75 kW	2.00	0.86	0.68
1.1 kW	2.60	0.84	0.79
1.5 kW	3.25	0.81	0.80
2.2 kW	4.60	0.87	0.81
3 kW	6.10	0.86	0.84
4 kW	8.20	0.86	0.85
5.5 kW	10.50	0.90	0.84
7.5 kW	14.30	0.90	0.86

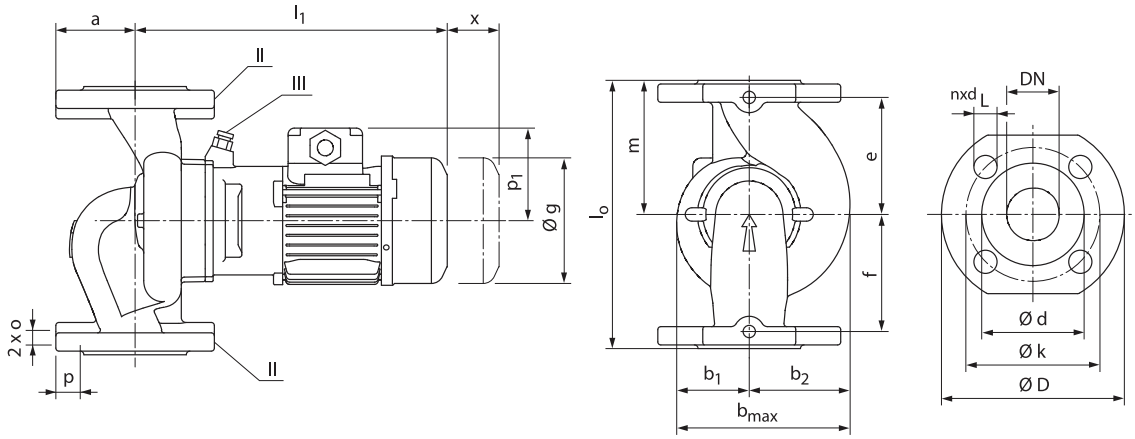
Wilo-VeroLine-IPL Ölçüler, Ağırlıklar

Pompa Ölçülü Resmi A



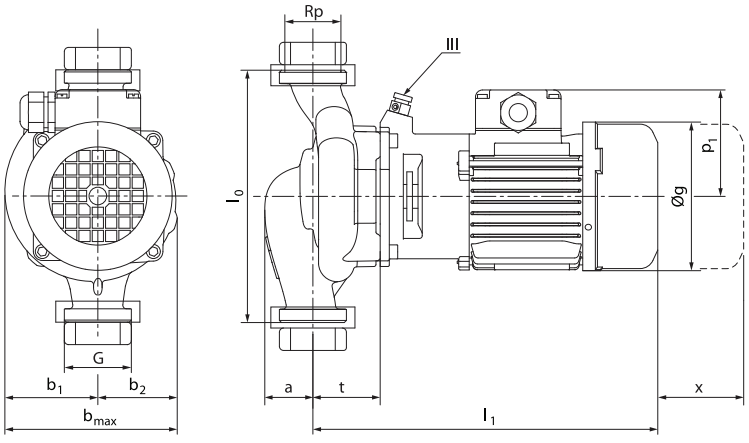
Not: Gövde üzerinde montaj ayakları mevcuttur. Konsol opsiyoneldir. II : basınç ölçme R 1/8" , III : hava tahliye R 1/8"

Pompa Ölçülü Resmi B



Not: Gövde üzerinde montaj ayakları mevcuttur. Konsol opsiyoneldir. II : basınç ölçme R 1/8" , III : hava tahliye R 1/8"

Pompa Ölçülü Resmi C



III : hava tahliye R 1/8"

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Wilo-VeroLine-IPL Ölçüler, Ağırlıklar

Ölçüler, Ağırlıklar (1450 d/d, flanş bağlantılı)

Wilo-VeroLine-IPL ...	Nominal Flanş Çapı	Boy	Ölçüler														Çark*	Ağırlık (yaklaşık)	Pompa Ölçülü Resmi
	DN	l_0	a	b_1	b_2	b_{max}	c	e	f	Ø g	l_{1max}	m	o	p	p_1	x	–	M	–
	–	[mm]											–	[mm]			–	[kg]	–
32/110-0.25/4	32	260	70	101	106	207	90	40	50	143	295	130	M10	20	120	150	P	20	A
32/160-0.25/4	32	260	70	101	106	207	90	40	50	143	295	130	M10	20	120	150	P	20	A
40/80-0.09/4	40	250	65	68	78	146	–	110	110	125	272	125	M10	20	107	150	P	13	B
40/110-0.12/4	40	250	90	80	90	170	90	40	50	143	294	125	M10	20	120	150	P	18	B
40/130-0.25/4	40	320	75	113	121	234	90	40	50	143	289	160	M10	20	120	150	P	21	A
40/160-0.37/4	40	320	75	113	121	234	90	40	50	143	289	160	M10	20	120	150	P	22	A
50/110-0.25/4	50	280	83	91	101	192	90	40	50	143	300	140	M10	20	120	150	P	22	A
50/130-0.37/4	50	340	86	116	131	247	104	40	50	143	291	170	M10	20	120	150	P	25	A
50/160-0.55/4	50	340	86	116	131	247	104	40	50	185	327	170	M10	20	128	150	P	27	A
65/120-0.25/4	65	340	93	119	138	257	135	40	55	143	297	170	M10	20	120	150	P	26	A
65/130-0.37/4	65	340	93	119	138	257	135	40	55	143	297	170	M10	20	120	150	P	27	A
65/140-0.55/4	65	340	93	119	138	257	135	40	55	185	333	170	M10	20	128	150	P	30	A
65/150-0.75/4	65	340	93	119	138	257	135	40	55	185	333	170	M10	20	128	150	P	31	A
80/130-0.75/4	80	360	105	125	153	278	135	40	55	185	339	180	M10	20	128	150	P	34	A
80/150-1.1/4	80	360	105	125	153	278	135	40	55	185	339	180	M10	20	128	150	P	35	A
100/135-1.1/4	100	500	120	159	197	356	200	226	60	176	398	250	M12	20	148	150	D	69	A
100/145-1.5/4	100	500	120	159	197	356	200	226	60	176	423	250	M12	20	148	150	D	69	A
100/165-2.2/4	100	500	120	159	197	356	200	226	60	196	450	250	M12	20	155	150	D	76	A
100/175-3/4	100	500	120	159	197	356	200	226	60	196	450	250	M12	20	155	150	D	77	A

l1 : Versiyon N için, l1 boyu kullanılan spesifik motorun ölçülerine bağlıdır.
*çark malzemesi : D dökme demir, P plastik

Ölçüler, Ağırlıklar (2900 d/d, dişli bağlantılı)

Wilo-VeroLine-IPL ...	Dişli	Boru Bağlantısı	Boy	Ölçüler									Çark*	Ağırlık (yaklaşık)	Pompa Ölçülü Resmi
	G	Rp	l_0	a	b_1	b_2	b_{max}	Ø g	l_1	p_1	t	x	–	M	–
	–		[mm]										–	[kg]	–
25/70-0.12/2	1½	1	180	34	66	57	123	106	247	76	48	100	P	6.5	C
25/80-0.12/2	1½	1	180	34	66	57	123	106	247	76	48	100	P	6.5	C
25/85-0.18/2	1½	1	180	52	69	68	137	125	251	107	44	100	P	8.0	C
25/90-0.25/2	1½	1	180	52	69	68	137	125	251	107	44	100	P	8.6	C
30/70-0.12/2	2	1¼	180	34	66	57	123	106	254	76	55	100	P	6.5	C
30/80-0.12/2	2	1¼	180	34	66	57	123	106	254	76	55	100	P	6.5	C
30/85-0.18/2	2	1¼	180	52	69	68	137	125	251	107	44	100	P	8.0	C
30/90-0.25/2	2	1¼	180	52	69	68	137	125	251	107	44	100	P	8.6	C

*çark malzemesi : D dökme demir, P plastik

Wilo-VeroLine-IPL Ölçüler, Ağırlıklar

Ölçüler, Ağırlıklar (2900 d/d, flanş bağlantılı)

Wilo-VeroLine-IPL ...	Nominal Flanş Çapı	Boy	Ölçüler															Çark*	Ağırlık (yaklaşık)	Pompa Ölçülü Resmi
	DN	l_0	a	b_1	b_2	b_{max}	c	e	f	Ø g	l_{1max}	m	o	p	p_1	x		–	M	–
	–	[mm]											–	[mm]				–	[kg]	–
32/90-0.37/2	32	260	70	101	106	207	90	40	50	143	295	130	M10	20	120	150		P	20	A
32/100-0.55/2	32	260	70	101	106	207	90	40	50	143	295	130	M10	20	120	150		P	20	A
32/110-0.75/2	32	260	70	101	106	207	90	40	50	143	295	130	M10	20	120	150		P	22	A
32/130-1.1/2	32	260	70	101	106	207	90	40	50	185	331	130	M10	20	128	150		P	24	A
32/160-1.1/2	32	260	70	101	106	207	90	40	50	185	331	130	M10	20	128	150		P	24	A
32/165-3/2	32	320	100	112	124	236	120	132	68	217	396	155	M10	20	160	150		D	43	A
32/175-4/2	32	320	100	112	124	236	120	132	68	220	412	155	M10	20	168	150		D	50	A
40/70-0.12/2	40	220	65	75	84	159	–	95	95	106	259	110	M10	20	76	150		P	11	B
40/90-0.37/2	40	250	90	80	90	170	90	40	50	143	294	125	M10	20	120	150		P	19	A
40/115-0.55/2	40	250	90	80	90	170	90	40	50	143	294	125	M10	20	120	150		P	19	A
40/120-1.5/2	40	320	75	113	121	234	90	40	50	185	325	160	M10	20	128	150		P	30	A
40/130-2.2/2	40	320	75	113	121	234	90	40	50	193	353	160	M10	20	151	150		P	32	A
40/150-3/2	40	320	75	113	121	234	90	40	50	217	388	160	M10	20	160	150		P	37	A
40/160-4/2	40	320	75	113	121	234	90	40	50	232	421	160	M10	20	168	150		P	44	A
40/165-4/2	40	340	82	113	129	242	130	149	58	220	426	170	M10	20	168	150		D	54	A
40/175-5.5/2	40	340	82	113	129	242	130	149	58	232	446	170	M10	20	168	150		D	55	A
40/195-7.5/2	40	440	110	145	149	294	180	172	78	279	520	190	M10	20	188	150		D	84	A
50/115-0.75/2	50	280	83	91	101	192	90	40	50	143	300	140	M10	20	120	150		P	24	A
50/120-1.5/2	50	340	86	116	131	247	104	40	50	185	327	170	M10	20	128	150		P	33	A
50/130-2.2/2	50	340	86	116	131	247	104	40	50	193	349.5	170	M10	20	151	150		P	35	A
50/140-3/2	50	340	86	116	131	247	104	40	50	217	390	170	M10	20	160	150		P	40	A
50/150-4/2	50	340	86	116	131	247	104	40	50	232	423	170	M10	20	168	150		P	47	A
50/155-4/2	50	340	105	102	119	232	140	130	40	232	463	150	M10	20	168	150		D	60	A
50/165-5.5/2	50	340	103	120	138	279	164	143	48	279	526	170	M10	20	188	150		D	76	A
50/175-5.5/2	50	340	103	120	138	279	164	143	48	279	526	170	M10	20	188	150		D	76	A
50/175-7.5/2	50	340	103	120	138	279	164	143	48	279	526	170	M10	20	188	150		D	84	A
50/185-7.5/2	50	440	120	145	150	295	160	170	70	279	521	190	M10	20	188	100		D	86	A
65/115-1.5/2	65	340	93	100	118	218	104	40	50	193	360.5	170	M10	20	151	150		P	34	A
65/120-2.2/2	65	340	93	119	138	257	135	40	55	193	356	170	M10	20	151	150		P	37	A
65/130-3/2	65	340	93	119	138	257	135	40	55	217	396	170	M10	20	160	150		P	42	A
65/140-4/2	65	340	93	119	138	257	135	40	55	232	429	170	M10	20	168	150		P	49	A
65/145-5.5/2	65	340	120	112	134	279	140	140	60	279	531	160	M12	20	188	150		D	78	A
65/155-5.5/2	65	340	120	112	134	279	140	140	60	279	531	160	M12	20	188	150		D	78	A
65/155-7.5/2	65	340	120	112	134	279	140	140	60	279	531	160	M12	20	188	150		D	86	A
65/165-5.5/2	65	430	110	126	146	279	180	195	60	279	532	215	M12	20	188	150		D	80	A
65/175-5.5/2	65	430	110	126	146	279	180	195	60	279	532	215	M12	20	188	150		D	81	A
65/175-7.5/2	65	430	110	126	146	279	180	195	60	279	532	215	M12	20	188	150		D	89	A
80/115-2.2/2	80	360	100	110	135	245	135	40	55	193	378	180	M10	20	151	150		P	40	A
80/130-3/2	80	360	105	125	153	278	135	40	55	217	402	180	M10	20	160	150		P	46	A
80/140-4/2	80	360	105	125	153	278	135	40	55	232	435	180	M10	20	168	150		P	53	A
80/145-5.5/2	80	400	105	123	151	279	180	173	57	279	548	200	M12	20	188	150		D	85	A
80/155-7.5/2	80	400	105	123	151	279	180	173	57	279	548	200	M12	20	188	120		D	93	A

l1 : Versiyon N için, l1 boyu kullanılan spesifik motorun ölçülerine bağlıdır.
*çark malzemesi : D dökme demir, P plastik

Değişiklik yapma hakkı saklıdır 2010 WILO A.Ş.

Wilo-VeroLine-IPL Ölçüler, Ağırlıklar

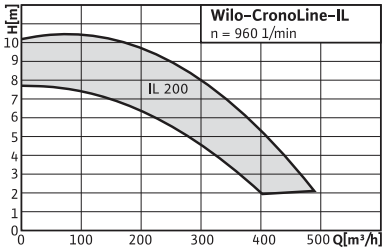
Flanş Ölçüleri

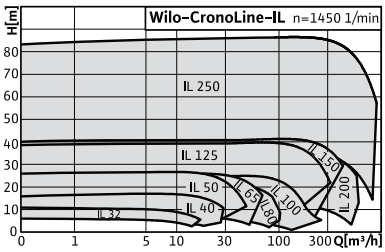
Wilo-VeroLine-IPL ...	Nominal Flanş Çapı	Pompa Flanş Ölçüleri			
	DN	Ø D	Ø d	Ø k	n x Ø d_L
	–	[mm]			[delik adeti x mm]
32...	32	140	78	100	4 x 19
40...	40	150	88	110	4 x 19
50...	50	165	102	125	4 x 19
65...	65	185	122	145	4 x 19
80...	80	200	138	160	8 x 19
100...	100	220	156	180	8 x 19

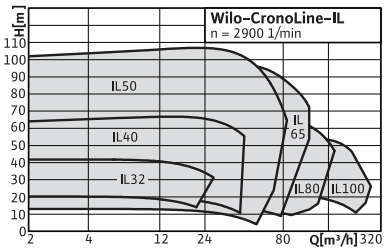
EN 1902-2'ye göre PN16 delikli

Wilo-CronoLine-IL









Dizayn

Flanş bağlantılı, kuru rotorlu(salmastralı), kaplinli, laternalı, norm motorlu, inline tip pompa

Uygulama

Isıtma , soğutma ve iklimlendirme tesisatları

Pompa Kodlaması

Örnek : **IL 40/160-4/2**

IL	Inline pompa
40	Nominal bağlantı çapı DN
160	Nominal çark çapı
4	Nominal motor gücü P_2, kW
2	Kutup sayısı

Ürün Özellikleri / Faydalar

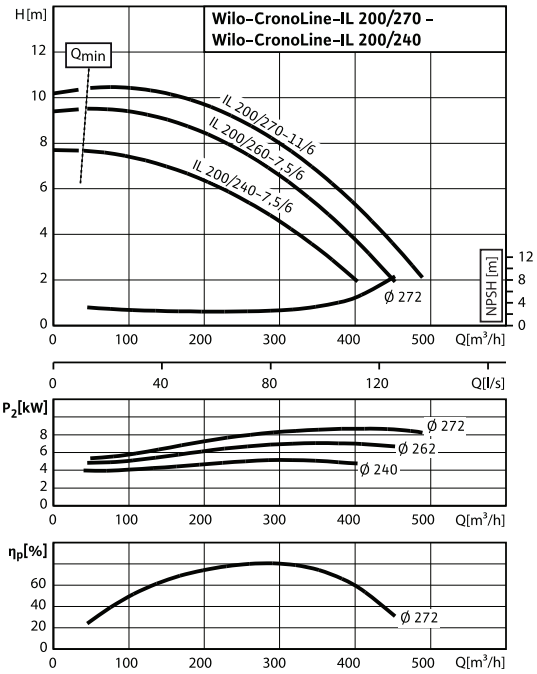
- Optimize edilmiş verimlilik ile ömür boyu maliyette düşüş
- Kataforez kaplama ile yüksek korozyon dayanımı
- Optimize edilmiş tasarımıyla laternadan kondensatın direkt tahliye edilebilmesi ile, soğutma tesisatlarında kullanım rahatlığı
- Motor gövdesindeki standart kondensat drenaj delikleri ile uzun motor ömrü
- Cebri soğutmalı iki yönlü mekanik salmastra
- Gövde üzerindeki ayaklar ile kolay montaj
- Standart motorlar (IEC) ve salmastra kullanımı ile servis kolaylığı

Değişiklik yapma hakkı saklıdır 2010 WILO A.Ş.

Wilo-CronoLine-IL Karakteristik Eğriler

Wilo-CronoLine-IL 200/240-7,5/6 - 200/270-11/6

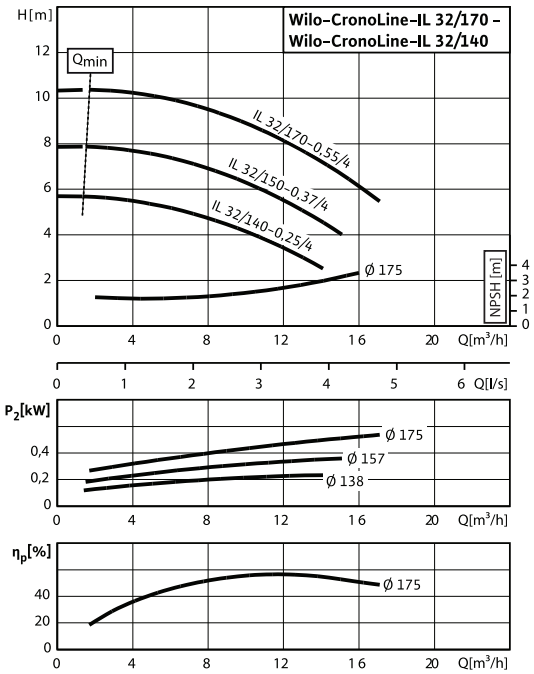
Devir hızı 960 d/d



Wilo-CronoLine-IL Karakteristik Eğriler

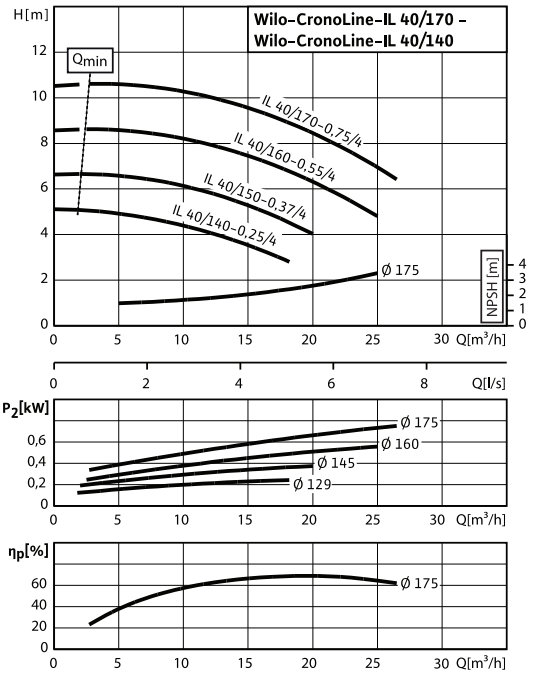
Wilo-CronoLine-IL 32 140-0,25 4 - 32/170-0,55/4

Devir hızı 1450 d/d



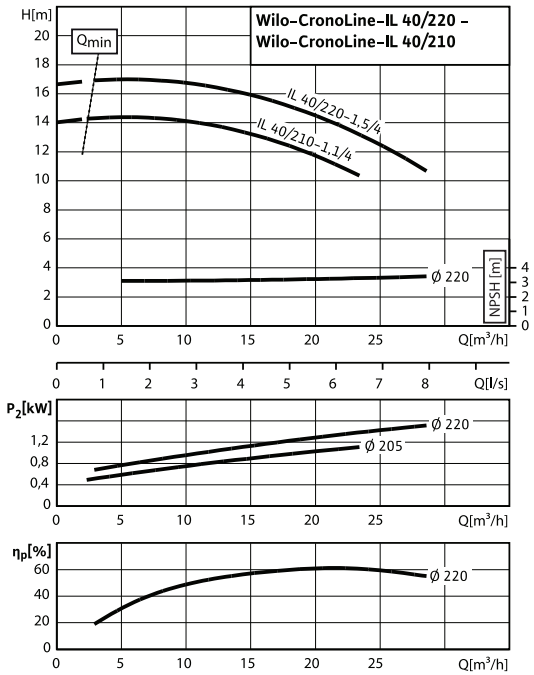
Wilo-CronoLine-IL 40/140-0,25/4 - 40/170-0,75/4

Devir hızı 1450 d/d



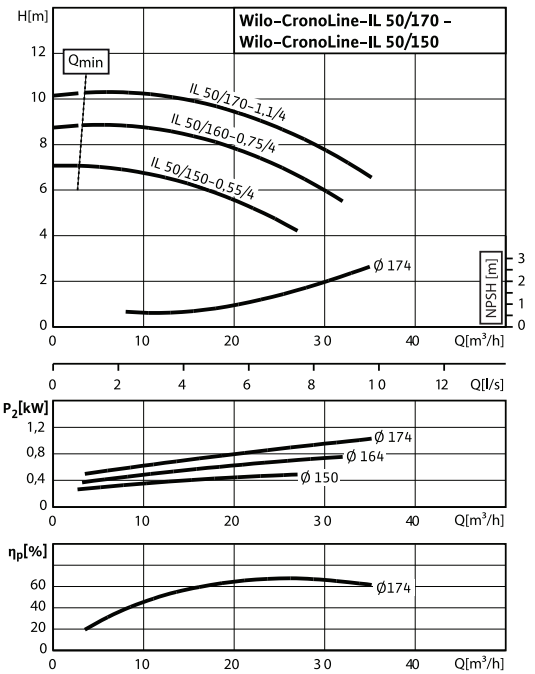
Wilo-CronoLine-IL 40/210-1,1/4 - 40/220-1,5/4

Devir hızı 1450 d/d



Wilo-CronoLine-IL 50/150-0,55/4 - 50/170-1,1/4

Devir hızı 1450 d/d

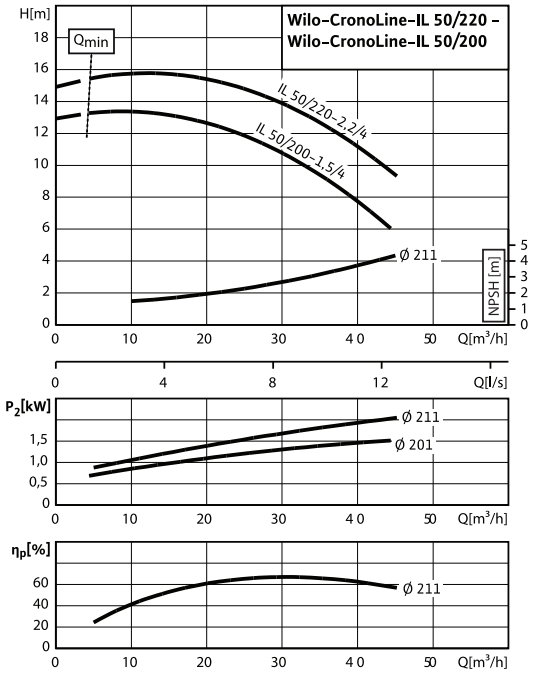


Değişiklik yapma hakkı saklıdır 2010 WILO A.Ş.

Wilo-CronoLine-IL Karakteristik Eğriler

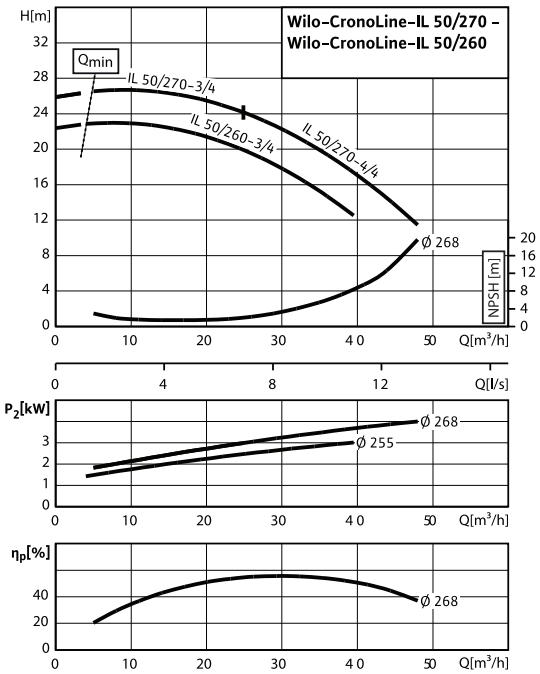
Wilo-CronoLine-IL 50/200-1,5/4 – 50/220-2,2/4

Devir hızı 1450 d/d



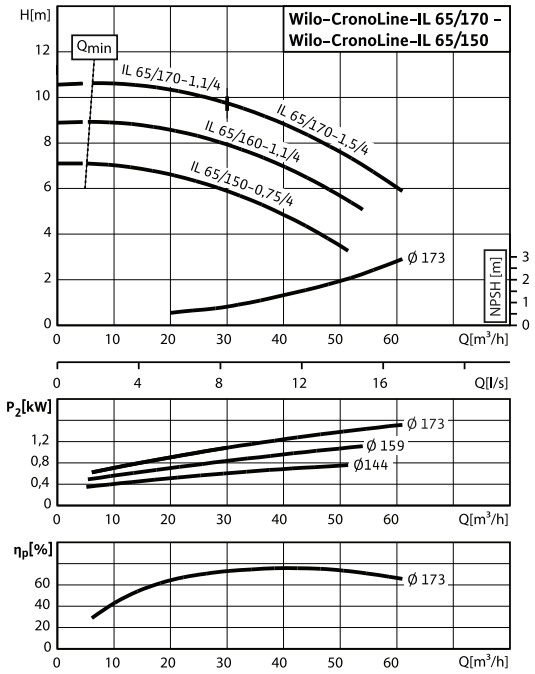
Wilo-CronoLine-IL 50/260-3/4 – 50/270-4/4

Devir hızı 1450 d/d



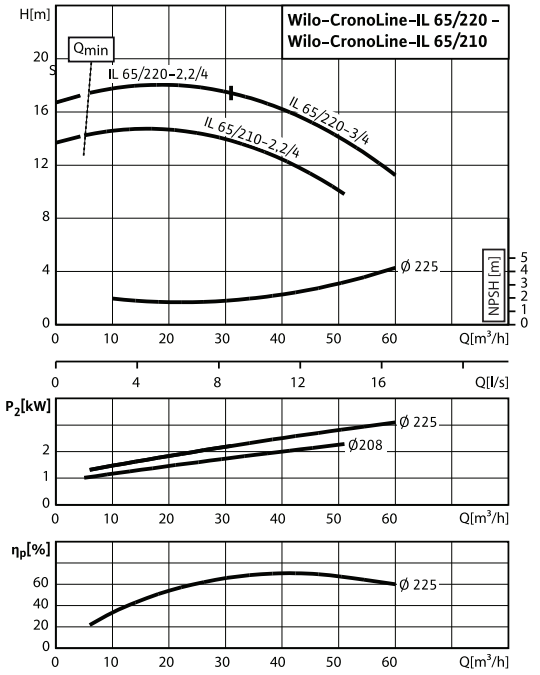
Wilo-CronoLine-IL 65/150-0,75/4 – 65/170-1,5/4

Devir hızı 1450 d/d



Wilo-CronoLine-IL 65/210-2,2/4 – 65/220-3/4

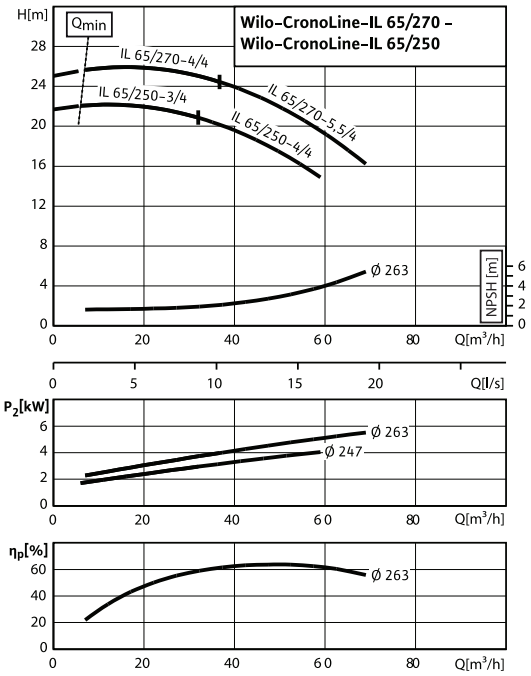
Devir hızı 1450 d/d



Wilo-CronoLine-IL Karakteristik Eğriler

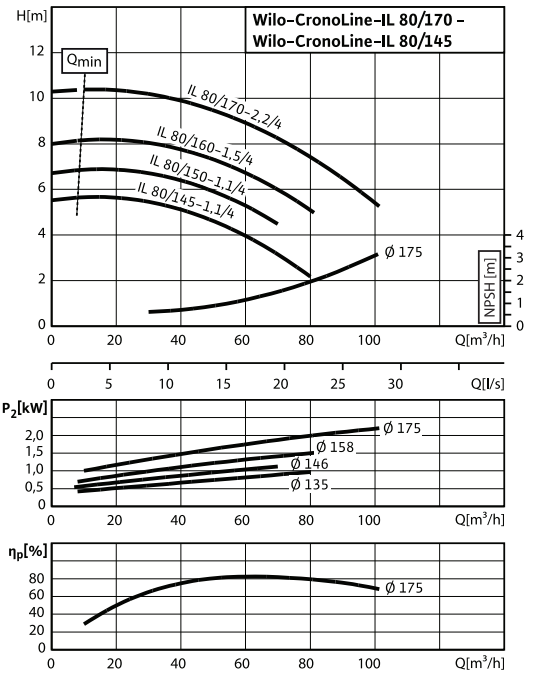
Wilo-CronoLine-IL 65/250-3/4 - 65/270-5,5/4

Devir hızı 1450 d/d



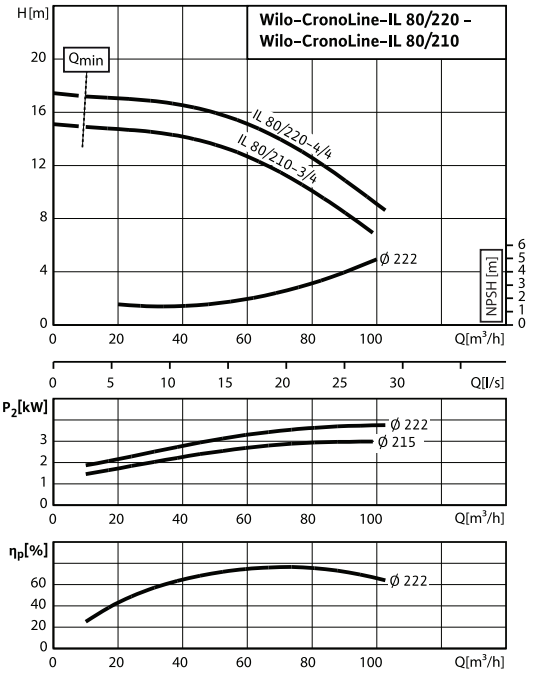
Wilo-CronoLine-IL 80/145-1,1/4 - 80/170-2,2/4

Devir hızı 1450 d/d



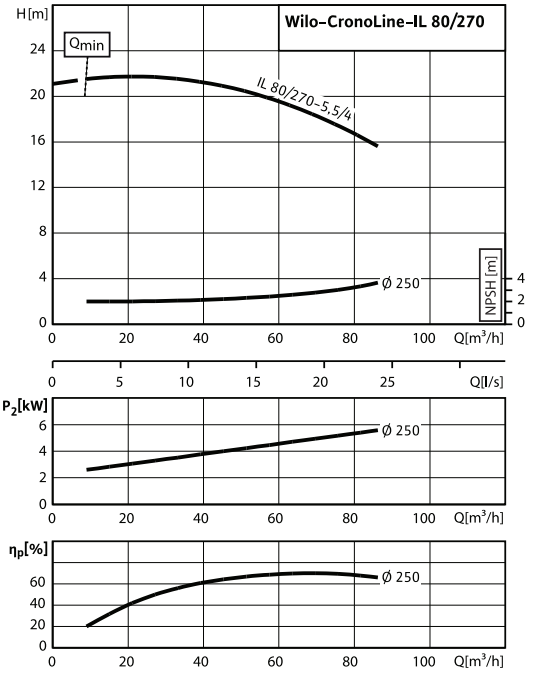
Wilo-CronoLine-IL 80/210-3/4 - 80/220-4/4

Devir hızı 1450 d/d



Wilo-CronoLine-IL 80/270-5,5/4

Devir hızı 1450 d/d

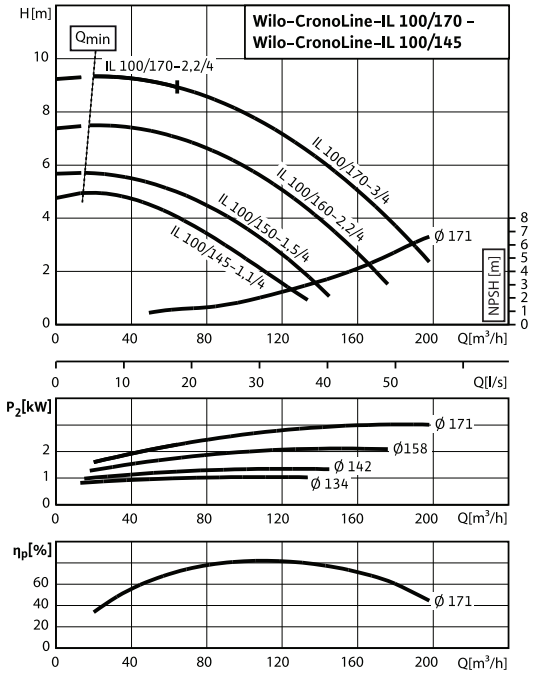


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Wilo-CronoLine-IL Karakteristik Eğriler

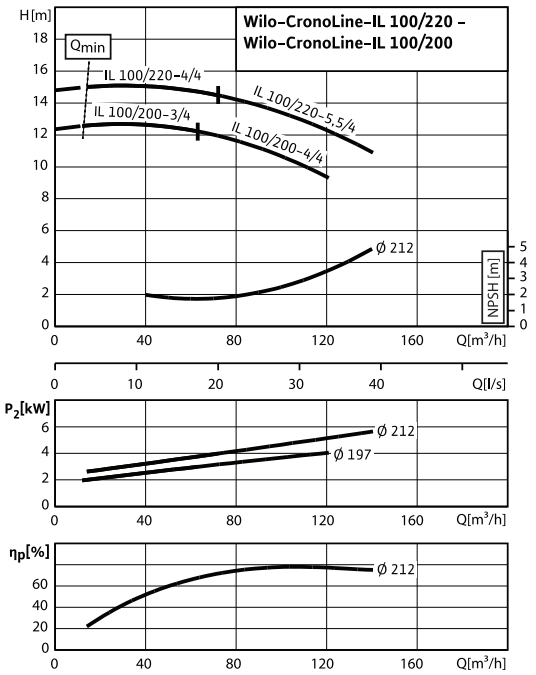
Wilo-CronoLine-IL 100/145-1,1/4 - 100/170-3/4

Devir hızı 1450 d/d



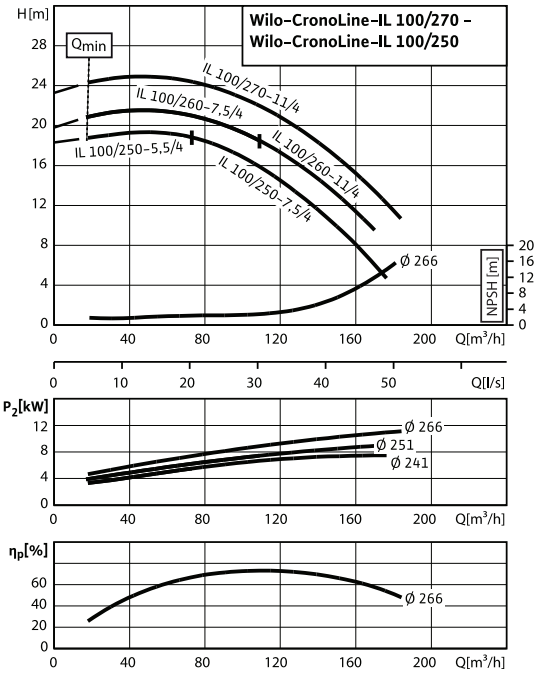
Wilo-CronoLine-IL 100/200-3/4 - 100/220-5,5/4

Devir hızı 1450 d/d



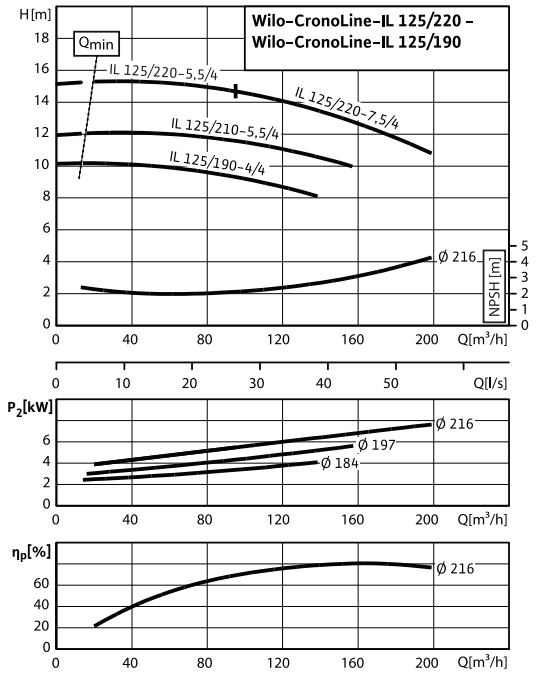
Wilo-CronoLine-IL 100/250-5,5/4 - 100/270-11/4

Devir hızı 1450 d/d



Wilo-CronoLine-IL 125/190-4/4 - 125/220-7,5/4

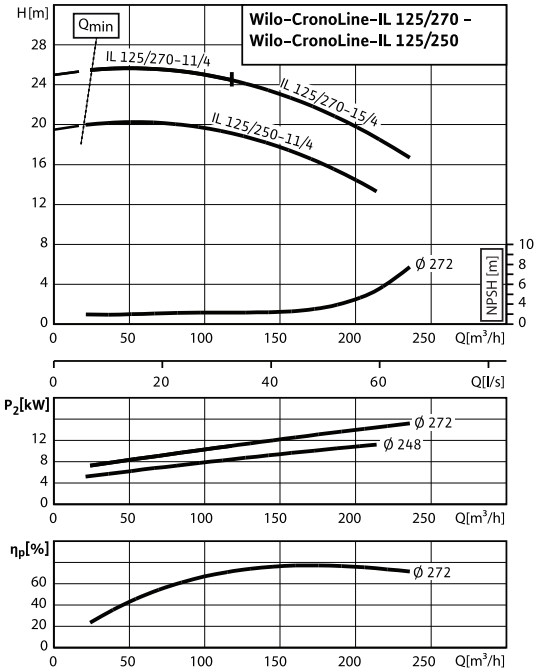
Devir hızı 1450 d/d



Wilo-CronoLine-IL Karakteristik Eğriler

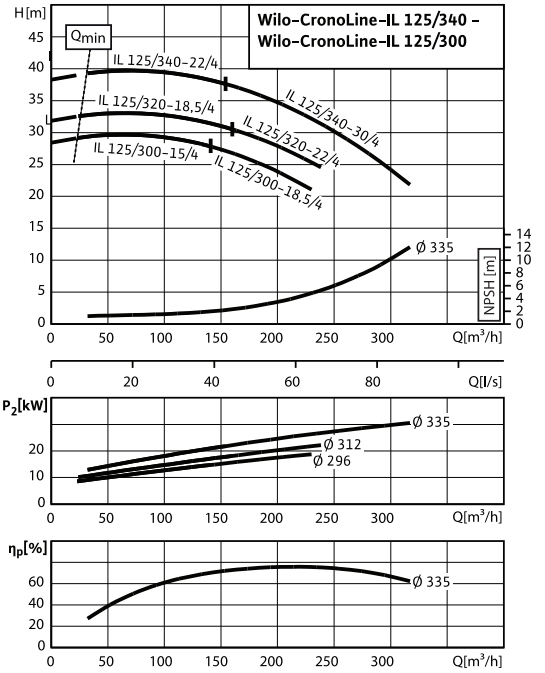
Wilo-CronoLine-IL 125/250-11/4 - 125/270-15/4

Devir hızı 1450 d/d



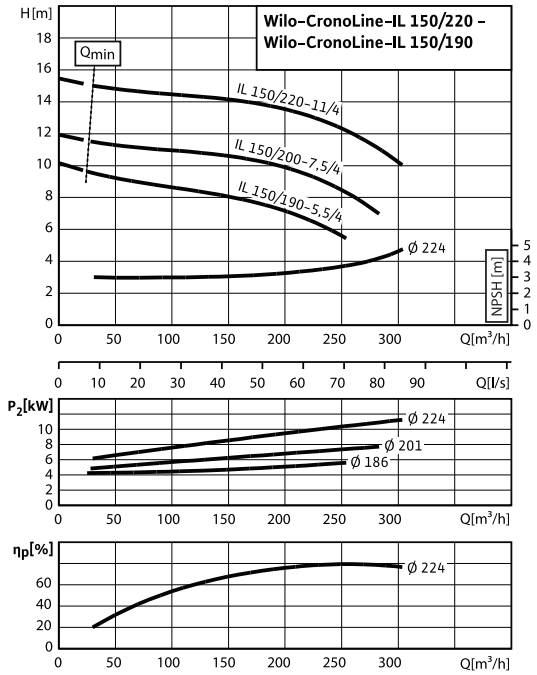
Wilo-CronoLine-IL 125/300-15/4 - 125/340-30/4

Devir hızı 1450 d/d



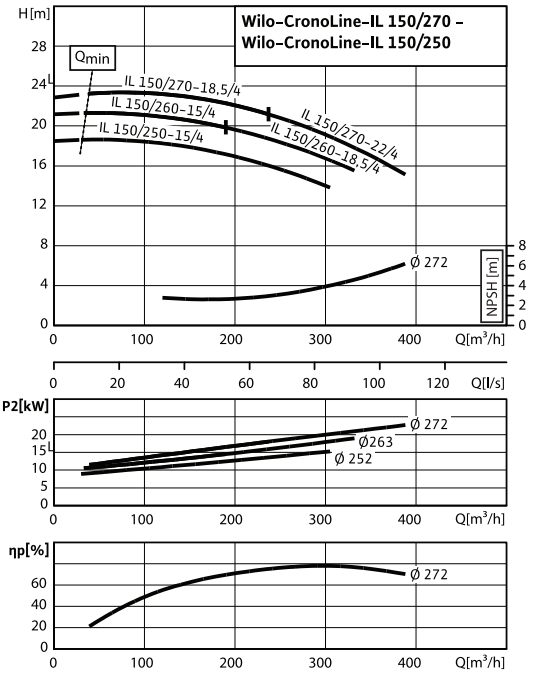
Wilo-CronoLine-IL 150/190-5,5/4 - 150/220-11/4

Devir hızı 1450 d/d



Wilo-CronoLine-IL 150/250-15/4 - 150/270-18,5/4

Devir hızı 1450 d/d

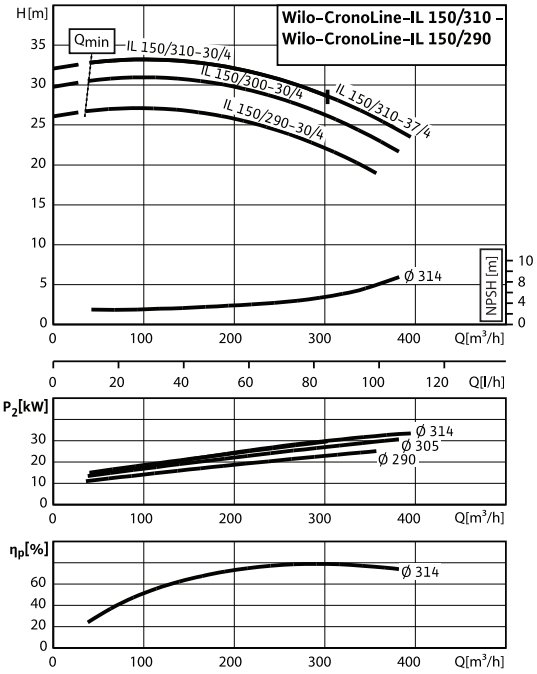


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Wilo-CronoLine-IL Karakteristik Eğriler

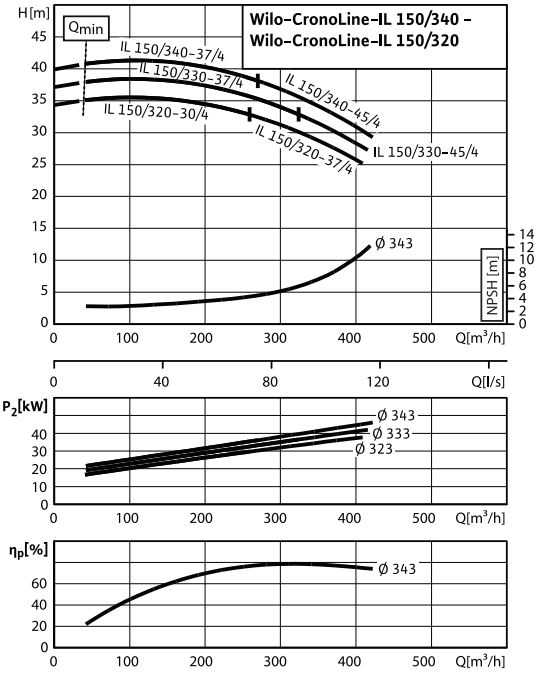
Wilo-CronoLine-IL 150/290-30/4 – 150/310-37/4

Devir hızı 1450 d/d



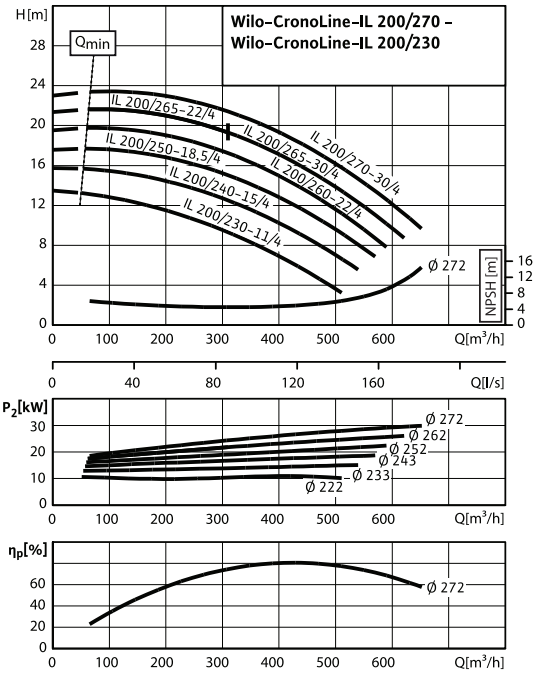
Wilo-CronoLine-IL 150/320-30/4 – 150/340-45/4

Devir hızı 1450 d/d



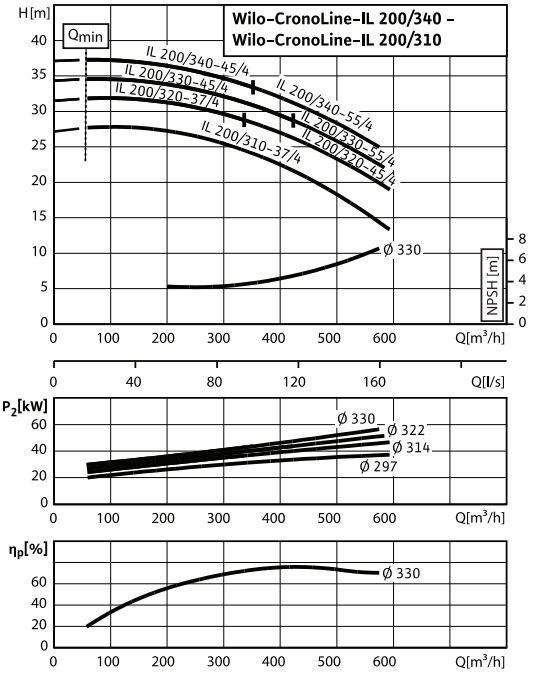
Wilo-CronoLine-IL 200/230-11/4 – 200/270-30/4

Devir hızı 1450 d/d



Wilo-CronoLine-IL 200/310-37/4 – 200/340-55/4

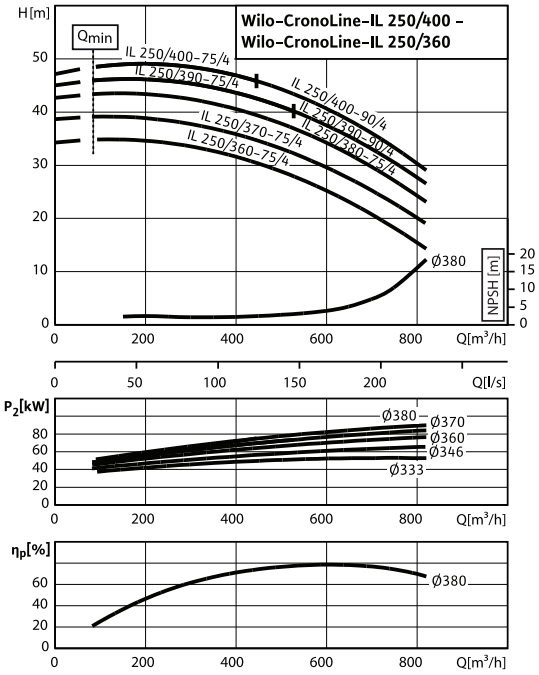
Devir hızı 1450 d/d



Wilo-CronoLine-IL Karakteristik Eğriler

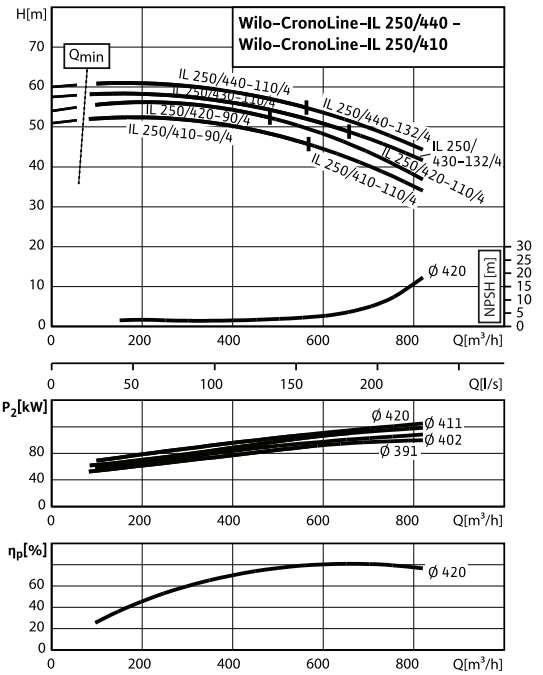
Wilo-CronoLine-IL 250/360-75/4 - 250/400-90/4

Devir hızı 1450 d/d



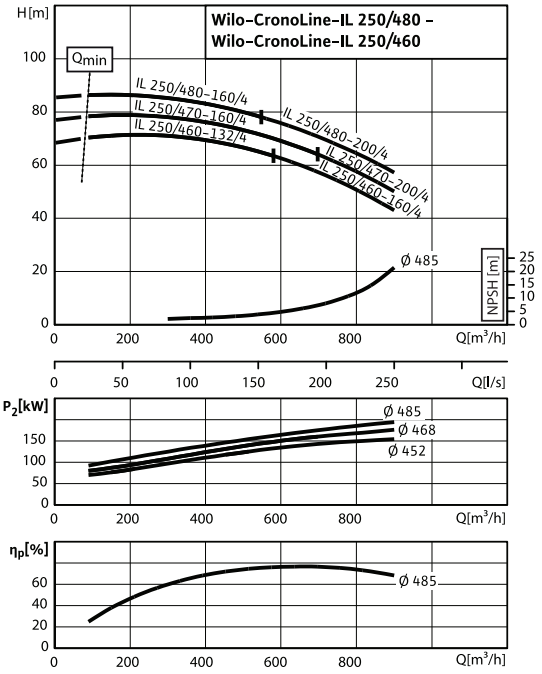
Wilo-CronoLine-IL 250/410-90/4 - 250/440-132/4

Devir hızı 1450 d/d



Wilo-CronoLine-IL 250/460-132/4 - 250/480-200/4

Devir hızı 1450 d/d

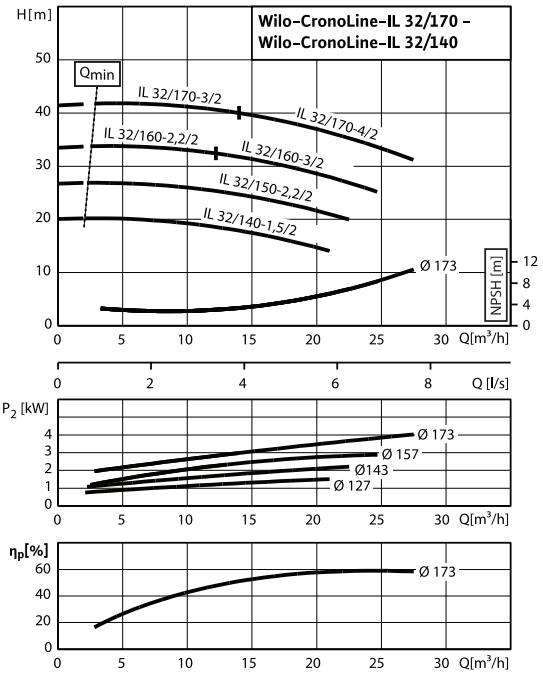


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Wilo-CronoLine-IL Karakteristik Eğriler

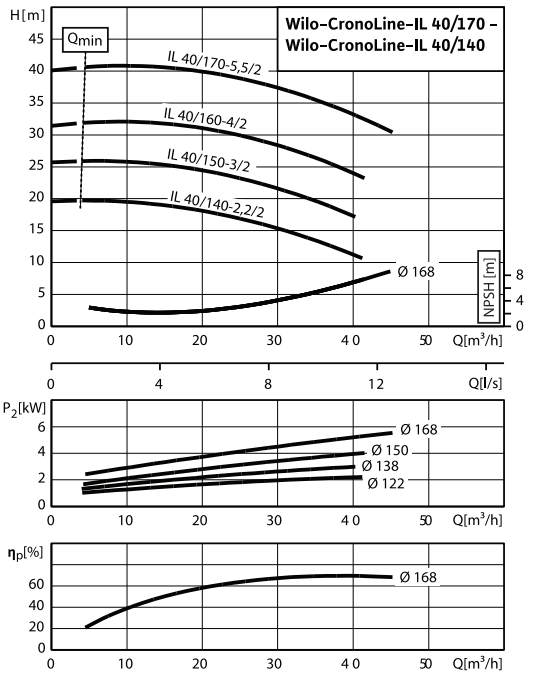
Wilo-CronoLine-IL 32/140-1,5/2 - 32/170-4/2

Devir hızı 2900 d/d



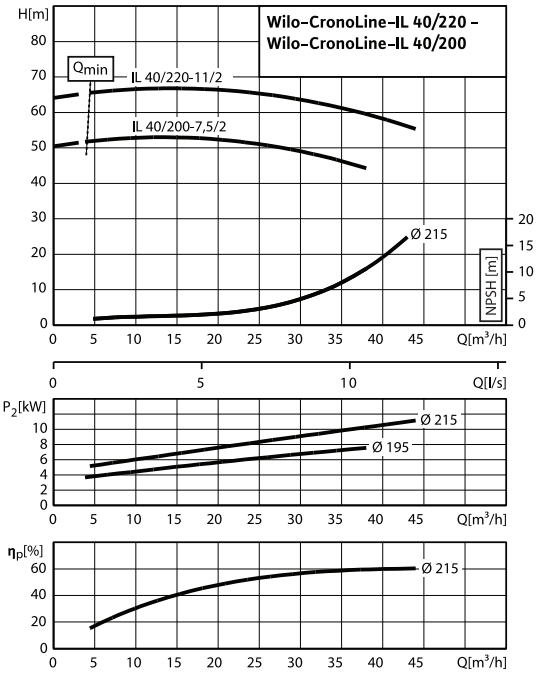
Wilo-CronoLine-IL 40/140-2,2/2 - 40/170-5,5/2

Devir hızı 2900 d/d



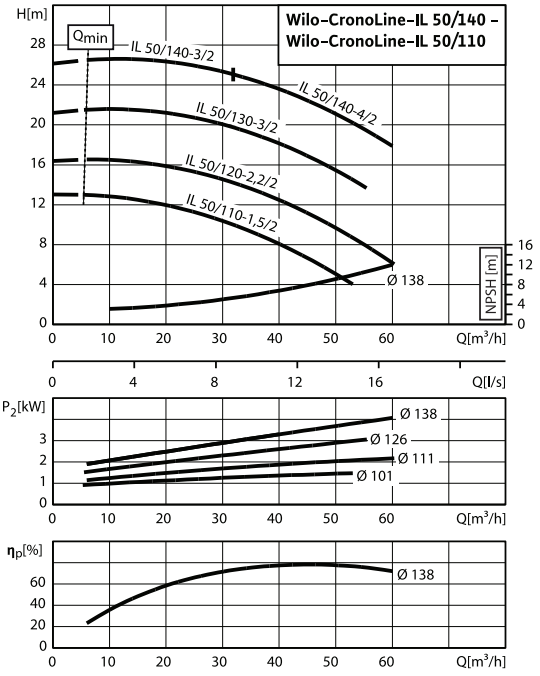
Wilo-CronoLine-IL 40/200-7,5/2 - 40/220-11/2

Devir hızı 2900 d/d



Wilo-CronoLine-IL 50/110-1,5/2 - 50/140-4/2

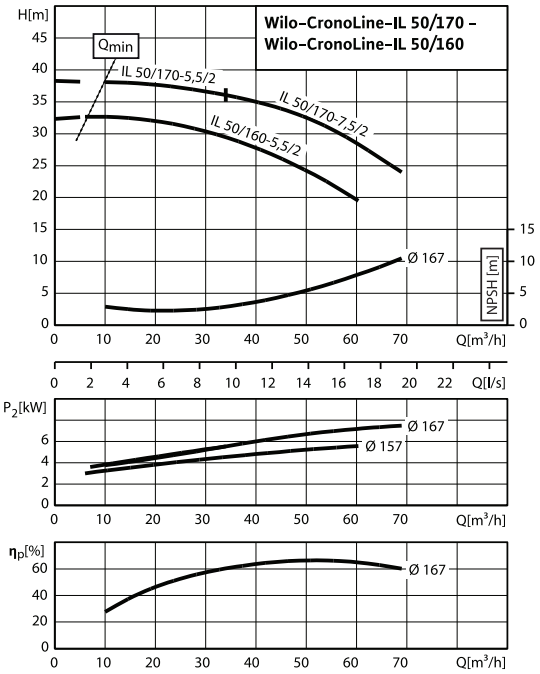
Devir hızı 2900 d/d



Wilo-CronoLine-IL Karakteristik Eğriler

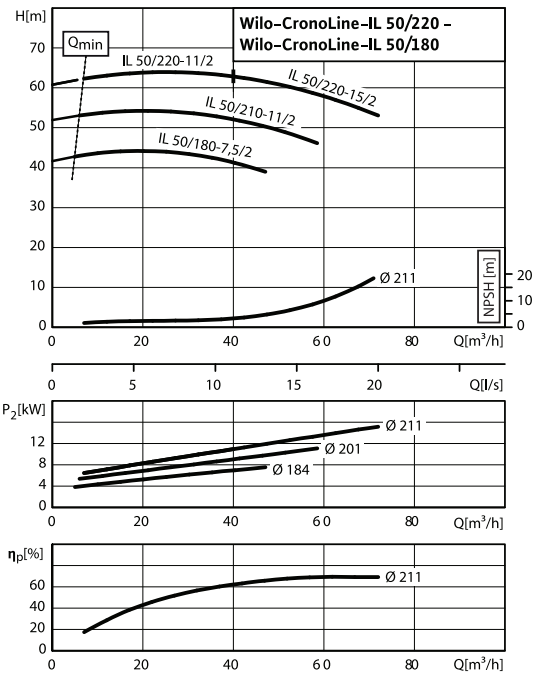
Wilo-CronoLine-IL 50/160-5,5/2 - 50/170-7,5/2

Devir hızı 2900 d/d



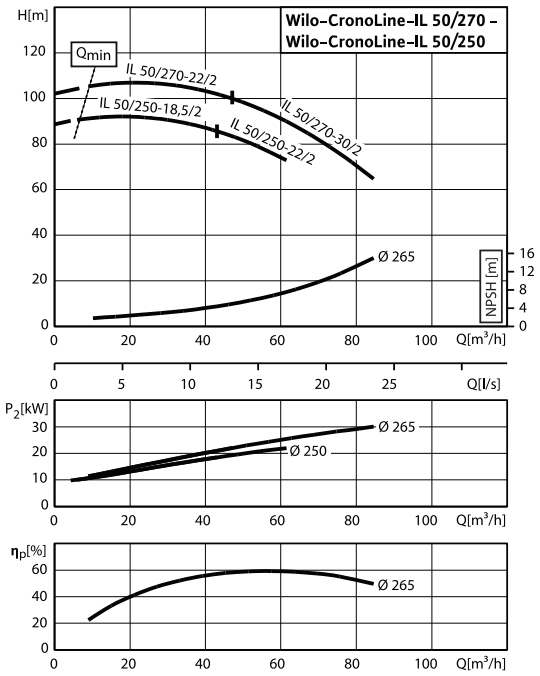
Wilo-CronoLine-IL 50/180-7,5/2 - 50/220-15/2

Devir hızı 2900 d/d



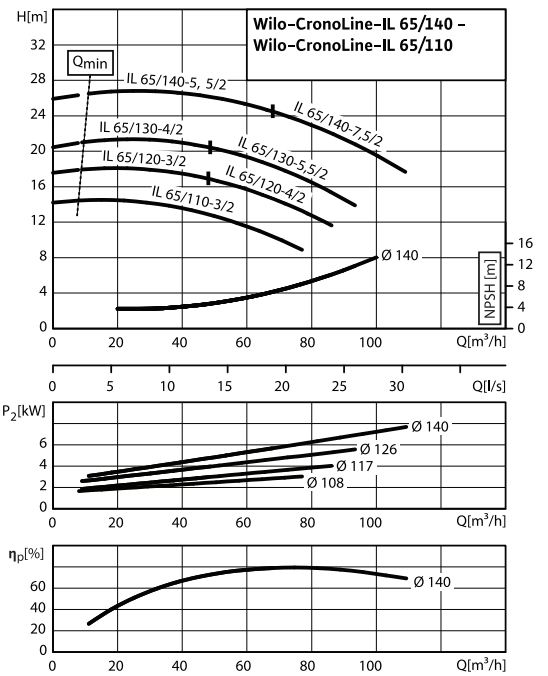
Wilo-CronoLine-IL 50/250-18,5/2 - 50/270-30/2

Devir hızı 2900 d/d



Wilo-CronoLine-IL 65/110-3/2 - 65/140-7,5/2

Devir hızı 2900 d/d

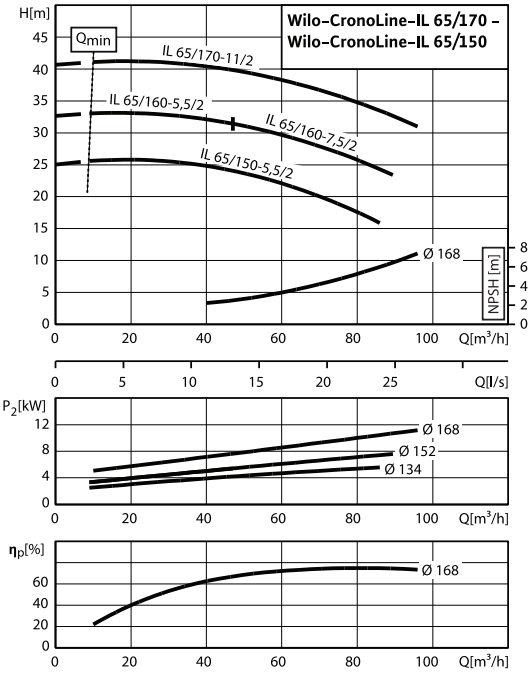


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Wilo-CronoLine-IL Karakteristik Eğriler

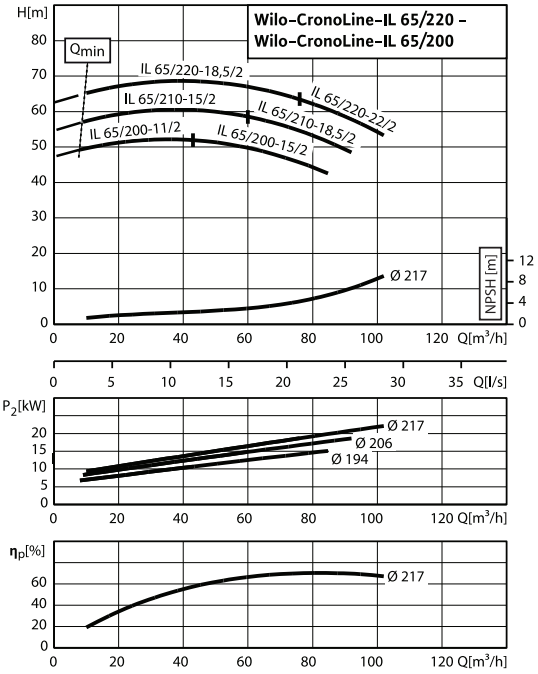
Wilo-CronoLine-IL 65/150-5,5/2 - 65/170-11/2

Devir hızı 2900 d/d



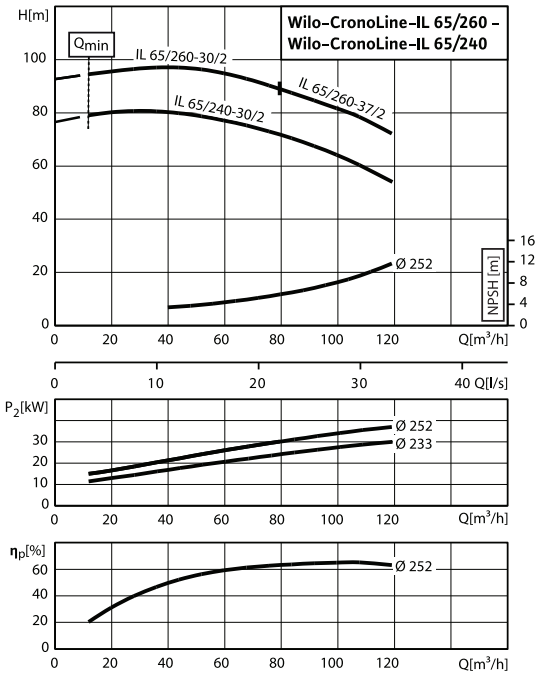
Wilo-CronoLine-IL 65/200-11/2 - 65/220-22/2

Devir hızı 2900 d/d



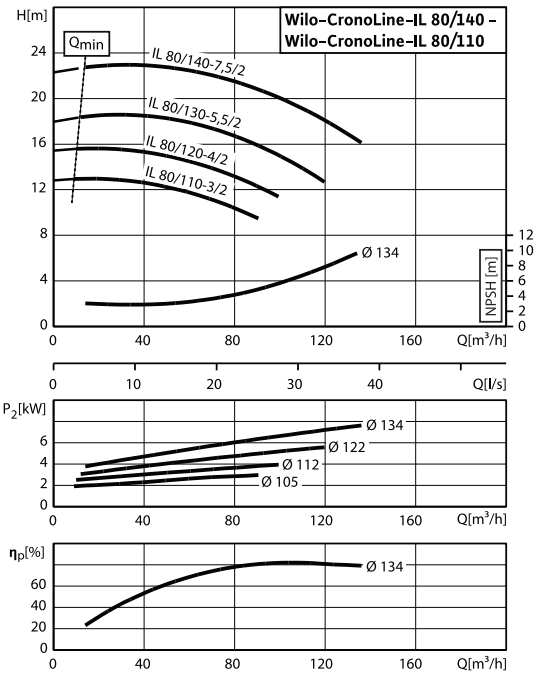
Wilo-CronoLine-IL 65/240-30/2 - 65/260-37/2

Devir hızı 2900 d/d



Wilo-CronoLine-IL 80/110-3/2 - 80/140-7,5/2

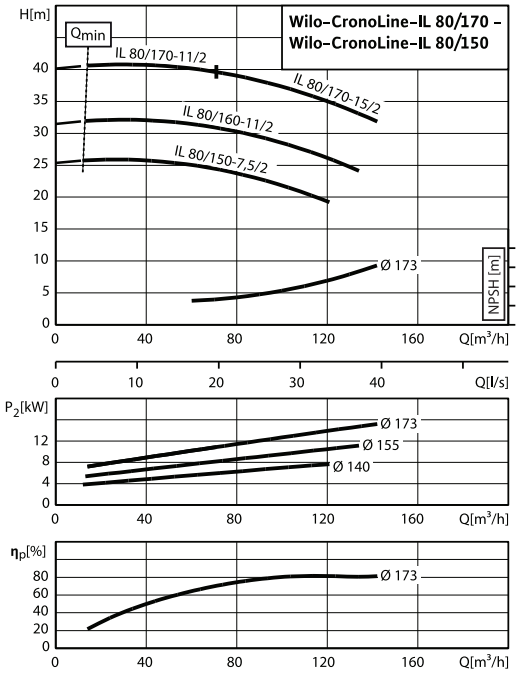
Devir hızı 2900 d/d



Wilo-CronoLine-IL Karakteristik Eğriler

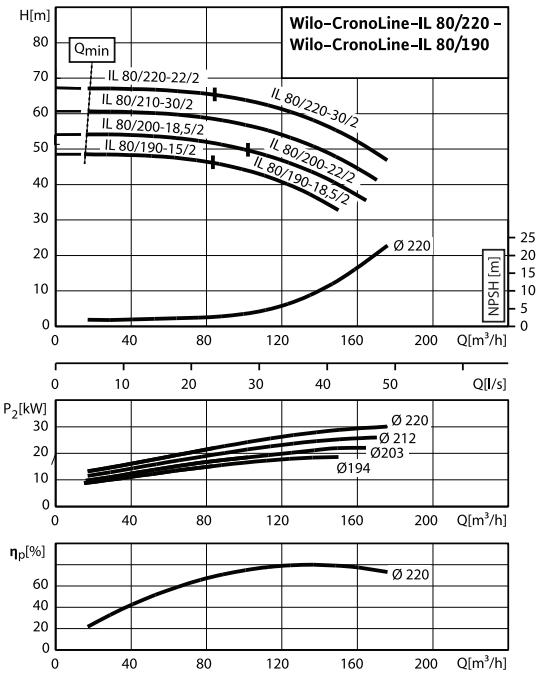
Wilo-CronoLine-IL 80/150-7,5/2 - 80/170-15/2

Devir hızı 2900 d/d



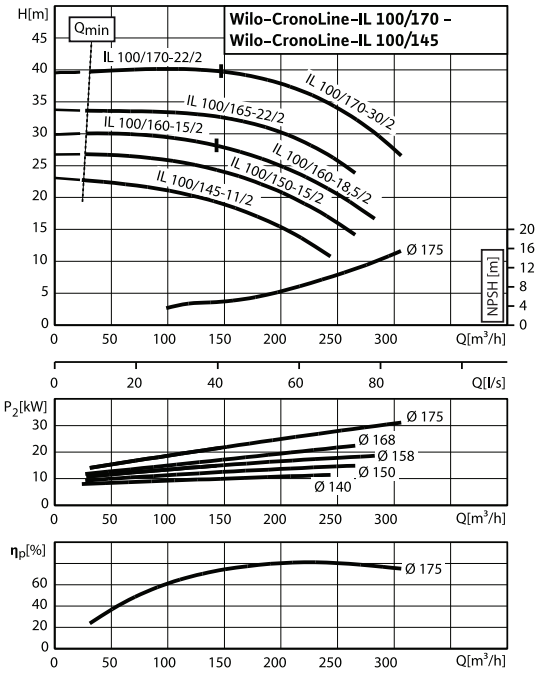
Wilo-CronoLine-IL 80/190-15/2 - 80/220-30/2

Devir hızı 2900 d/d



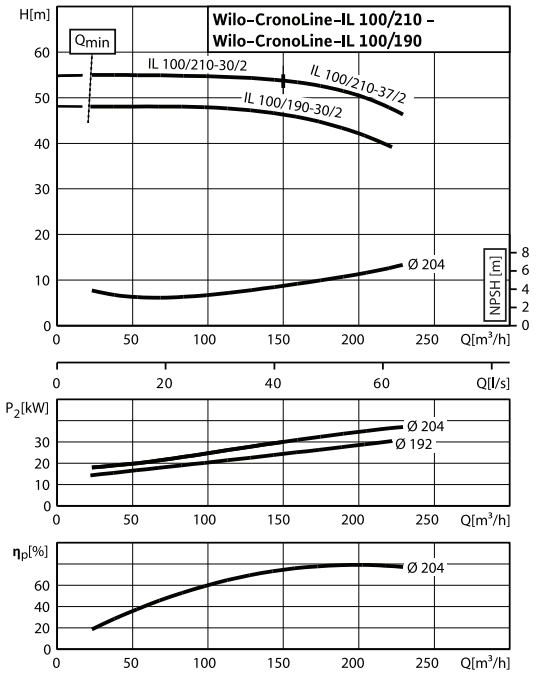
Wilo-CronoLine-IL 100/145-11/2 - 100/170-30/2

Devir hızı 2900 d/d



Wilo-CronoLine-IL 100/190-30/2 - 100/210-37/2

Devir hızı 2900 d/d

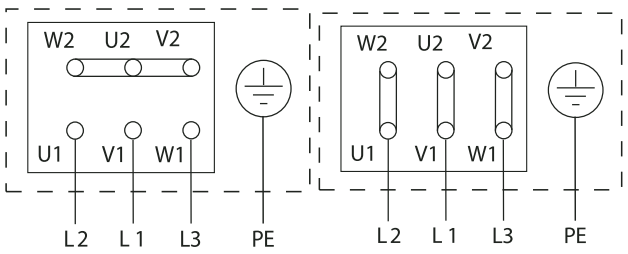


Değişiklik yapma hakkı saklıdır 2010 WILO A.Ş.

Wilo-CronoLine-IL Bağlantı Şemaları, Motor Bilgileri

Bağlantı Şeması

Y resim **Δ resim**



Motor koruma svici kullanılmalıdır. Dönüş yönü kontrol edilmelidir. Dönüş yönünü değiştirmek için, herhangi iki fazı yer değiştirin

$P_2 \leq 3$ kW	3~400 V Y 3~230 V Δ
$P_2 \geq 4$ kW	3~690 V Y 3~400 V Δ

Köprüler kaldırılarak, Y- Δ kalkış mümkündür.

Motor Bilgileri (960 d/d)

Wilo-CronoLine-IL ...	Nominal Akım (yaklaşık)	Güç Faktörü	Verim
	I_N 3~400 V	cos φ	η_M
	[A]	–	
7.5 kW	16.00	0.79	0.86
11 kW	24.00	0.77	0.88

Motor Bilgileri (1450 d/d)

Wilo-CronoLine-IL ...	Nominal Akım (yaklaşık)	Güç Faktörü	Verim
	I_N 3~400 V	cos φ	η_M
	[A]	–	
0.25 kW	0.77	0.78	0.60
0.37 kW	1.06	0.78	0.65
0.55 kW	1.44	0.82	0.67
0.75 kW	1.91	0.81	0.72
1.1 kW	2.55	0.81	0.77
1.5 kW	3.40	0.81	0.79
2.2 kW	4.70	0.82	0.82
3 kW	6.40	0.82	0.83
4 kW	8.20	0.83	0.85
5.5 kW	11.40	0.81	0.86
7.5 kW	15.20	0.82	0.87
11 kW	21.50	0.84	0.89
15 kW	28.50	0.84	0.90
18.5 kW	35.50	0.83	0.91
22 kW	41.50	0.84	0.91
30 kW	55.00	0.86	0.92
37 kW	66.00	0.87	0.93
45 kW	80.00	0.87	0.93
55 kW	100.00	0.85	0.94
75 kW	136.00	0.85	0.94
90 kW	160.00	0.86	0.95
110 kW	198.00	0.85	0.95
132 kW	235.00	0.85	0.95
160 kW	280.00	0.86	0.96
200 kW	340.00	0.88	0.96

Wilo-CronoLine-IL Bağlantı Şemaları, Motor Bilgileri

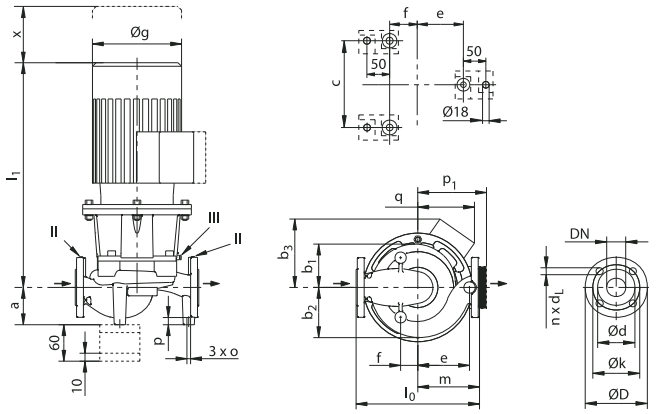
Motor Bilgileri (2900 d/d)

Wilo-CronoLine-IL ...	Nominal Akım (yaklaşık)	Güç Faktörü	Verim
	I_N 3~400 V	cos φ	η_M
	[A]	–	
1.5 kW	3.25	0.85	0.79
2.2 kW	4.55	0.85	0.82
3 kW	6.10	0.85	0.84
4 kW	7.80	0.86	0.86
5.5 kW	10.40	0.89	0.86
7.5 kW	13.80	0.89	0.88
11 kW	20.00	0.88	0.90
15 kW	26.50	0.90	0.90
18.5 kW	32.00	0.91	0.91
22 kW	39.50	0.88	0.92
30 kW	53.00	0.89	0.92
37 kW	65.00	0.89	0.93

Değişiklik yapma hakkı saklıdır 2010 WILO A.Ş.

Wilo-CronoLine-IL Ölçüler, Ağırlıklar

Pompa Ölçülü Resmi



II : basınç ölçme R 1/8" , III : hava tahliye R 1/8"

Ölçüler, Ağırlıklar (960 d/d)

Wilo-CronoLine-IL ...	Nominal Flanş Çapı	Boy	Ölçüler															Ağırlık (yaklaşık)
	DN	l_0	a	b_1	b_2	b_3	c	e	f	Ø g	l_{1max}	m	o	p	p_1	q	x	M
	–	[mm]											–	[mm]				[kg]
200/240-7.5/6	200	800	245	281	362	–	330	270	165	323	869	370	M16	25	250	–	140	345
200/260-7.5/6	200	800	245	281	362	–	330	270	165	323	869	370	M16	25	250	–	140	345
200/270-11/6	200	800	245	281	362	–	330	270	165	370	912	370	M16	25	250	–	140	345

Ölçüler, Ağırlıklar (1450 d/d)

Wilo-CronoLine-IL ...	Nominal Flanş Çapı	Boy	Ölçüler															Ağırlık (yaklaşık)
	DN	l_0	a	b_1	b_2	b_3	c	e	f	Ø g	l_{1max}	m	o	p	p_1	q	x	M
	–	[mm]											–	[mm]				[kg]
32/140-0.25/4	32	320	100	112	124	118	120	132	68	145	398	155	M10	20	–	118	150	39
32/150-0.37/4	32	320	100	112	124	118	120	132	68	145	398	155	M10	20	–	118	150	40
32/170-0.55/4	32	320	100	112	124	124	120	132	68	188	423	155	M10	20	–	124	150	43
40/140-0.25/4	40	340	82	113	129	118	130	149	58	145	412	170	M10	20	–	118	95	43
40/150-0.37/4	40	340	82	113	129	118	130	149	58	145	412	170	M10	20	–	118	95	45
40/160-0.55/4	40	340	82	113	129	124	130	149	58	188	437	170	M10	20	–	124	95	46
40/170-0.75/4	40	340	82	113	129	124	130	149	58	188	437	170	M10	20	–	124	95	48
40/210-1.1/4	40	440	110	145	149	–	180	172	78	193	471	190	M10	20	151	–	100	51
40/220-1.5/4	40	440	110	145	149	–	180	172	78	193	471	190	M10	20	151	–	100	55
50/150-0.55/4	50	340	103	120	138	124	164	143	48	188	443	170	M10	20	–	124	100	48
50/160-0.75/4	50	340	103	120	138	124	164	143	48	188	443	170	M10	20	–	124	100	50
50/170-1.1/4	50	340	103	120	138	145	164	143	48	193	483	170	M10	20	–	145	100	53
50/200-1.5/4	50	440	120	145	150	–	160	170	70	193	472	190	M10	20	151	–	100	57

Wilo-CronoLine-IL Ölçüler, Ağırlıklar

Ölçüler, Ağırlıklar (1450 d/d)

Wilo-CronoLine-IL ...	Nominal Flanş Çapı	Boy	Ölçüler															Ağırlık (yaklaşık)
	DN	l_0	a	b_1	b_2	b_3	c	e	f	Ø g	l_{1max}	m	o	p	p_1	q	x	M
	–	[mm]											–	[mm]				[kg]
50/220-2.2/4	50	440	120	145	150	–	160	170	70	217	516	190	M10	20	160	–	100	67
50/260-3/4	50	440	122	178	174	–	200	200	70	217	542	220	M10	20	160	–	120	80
50/270-3/4	50	440	122	178	174	–	200	200	70	217	542	220	M10	20	160	–	120	80
50/270-4/4	50	440	122	178	174	–	200	200	70	232	620	220	M10	20	178	–	120	87
65/150-0.75/4	65	430	110	126	146	124	180	195	60	188	449	215	M12	20	–	124	120	53
65/160-1.1/4	65	430	110	126	146	145	180	195	60	193	489	215	M12	20	–	145	120	56
65/170-1.1/4	65	430	110	126	146	145	180	195	60	193	489	215	M12	20	–	145	120	57
65/170-1.5/4	65	430	110	126	146	149	180	195	60	193	489	215	M12	20	–	149	120	60
65/210-2.2/4	65	475	130	150	168	–	200	225	50	217	525	245	M12	20	160	–	110	73
65/220-2.2/4	65	475	130	150	168	–	200	225	50	217	525	245	M12	20	160	–	110	73
65/220-3/4	65	475	130	150	168	–	200	225	50	217	525	245	M12	20	160	–	110	76
65/250-3/4	65	475	140	187	174	–	200	215	80	217	546	235	M12	20	160	–	120	85
65/250-4/4	65	475	140	187	174	–	200	215	80	232	624	235	M12	20	178	–	120	91
65/270-4/4	65	475	140	187	174	–	200	215	80	232	624	235	M12	20	178	–	120	91
65/270-5.5/4	65	475	140	187	174	–	200	215	80	279	680	235	M12	20	188	–	120	103
80/145-1.1/4	80	440	120	136	162	145	180	173	72	193	487	200	M12	20	–	145	120	63
80/150-1.1/4	80	440	120	136	162	145	180	173	72	193	487	200	M12	20	–	145	120	63
80/160-1.5/4	80	440	120	136	162	149	180	173	72	193	487	200	M12	20	–	149	120	70
80/170-2.2/4	80	440	120	136	162	156	180	173	72	217	531	200	M12	20	–	156	120	81
80/210-3/4	80	500	145	157	182	–	220	208	62	217	533	230	M12	20	160	–	120	85
80/220-4/4	80	500	145	157	182	–	220	208	62	232	611	230	M12	20	178	–	120	91
80/270-5.5/4	80	500	125	180	202	–	240	223	102	279	667	245	M12	20	188	–	115	114
100/145-1.1/4	100	500	120	159	197	145	200	226	60	193	522	250	M12	20	–	145	135	79
100/150-1.5/4	100	500	120	159	197	149	200	226	60	193	522	250	M12	20	–	149	135	82
100/160-2.2/4	100	500	120	159	197	156	200	226	60	217	565	250	M12	20	–	156	135	93
100/170-2.2/4	100	500	120	159	197	156	200	226	60	217	565	250	M12	20	–	156	135	93
100/170-3/4	100	500	120	159	197	156	200	226	60	217	565	250	M12	20	–	156	135	96
100/200-3/4	100	550	155	173	202	–	220	231	99	217	543	255	M12	20	160	–	120	98
100/200-4/4	100	550	155	173	202	–	220	231	99	232	621	255	M12	20	178	–	120	104
100/220-4/4	100	550	155	173	202	–	220	231	99	232	621	255	M12	20	178	–	120	105
100/220-5.5/4	100	550	155	173	202	–	220	231	99	279	677	255	M12	20	188	–	120	118
100/250-5.5/4	100	550	180	188	214	–	240	236	114	279	677	260	M12	20	188	–	120	132
100/250-7.5/4	100	550	180	188	214	–	240	236	114	323	718	260	M12	20	188	–	120	138
100/260-7.5/4	100	550	180	188	214	–	240	236	114	323	718	260	M12	20	188	–	120	138
100/260-11/4	100	550	180	188	214	–	240	236	114	323	800	260	M12	20	250	–	120	174
100/270-11/4	100	550	180	188	214	–	240	236	114	323	800	260	M12	20	250	–	120	174
125/190-4/4	125	620	175	177	212	–	280	266	54	232	633	280	M16	25	178	–	120	118
125/210-5.5/4	125	620	175	177	212	–	280	266	54	279	689	280	M16	25	188	–	120	134
125/220-5.5/4	125	620	175	177	212	–	280	266	54	279	689	280	M16	25	188	–	120	134
125/220-7.5/4	125	620	175	177	212	–	280	266	54	323	730	280	M16	25	188	–	120	142
125/250-11/4	125	620	200	232	264	–	250	254	125	323	813	280	M16	25	250	–	130	201

Değişiklik yapma hakkı saklıdır 2010 WILO A.Ş.

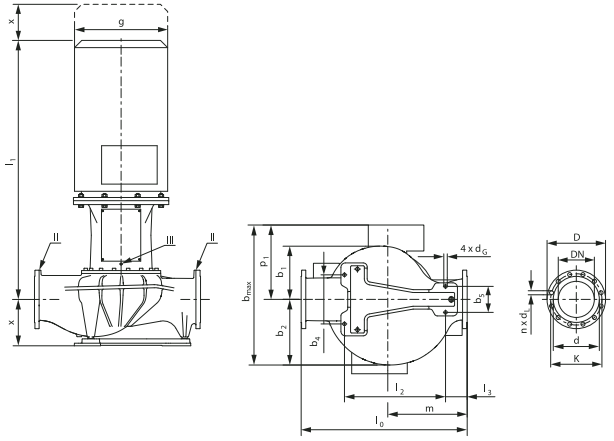
Wilo-CronoLine-IL Ölçüler, Ağırlıklar

Ölçüler, Ağırlıklar (1450 d/d)

Wilo-CronoLine-IL ...	Nominal Flanş Çapı	Boy	Ölçüler															Ağırlık (yaklaşık)
	DN	l_0	a	b_1	b_2	b_3	c	e	f	Ø g	l_{1max}	m	o	p	p_1	q	x	M
	–	[mm]											–	[mm]				[kg]
125/270-11/4	125	620	200	232	264	–	250	254	125	323	813	280	M16	25	250	–	130	201
125/270-15/4	125	620	200	232	264	–	250	254	125	370	856	280	M16	25	250	–	130	213
125/300-15/4	125	700	185	238	270	–	280	315	140	370	882	340	M16	25	250	–	140	264
125/300-18.5/4	125	700	185	238	270	–	280	315	140	370	924	340	M16	25	294	–	140	274
125/320-18.5/4	125	700	185	238	270	–	280	315	140	370	924	340	M16	25	294	–	140	274
125/320-22/4	125	700	185	238	270	–	280	315	140	370	952	340	M16	25	294	–	140	284
125/340-22/4	125	700	185	238	270	–	280	315	140	370	952	340	M16	25	294	–	140	284
125/340-30/4	125	700	185	238	270	–	280	315	140	415	1012	340	M16	25	306	–	140	330
150/190-5.5/4	150	700	200	202	249	–	260	284	116	279	702	310	M16	25	188	–	130	166
150/200-7.5/4	150	700	200	202	249	–	260	284	116	323	743	310	M16	25	188	–	130	174
150/220-11/4	150	700	200	202	249	–	260	284	116	323	825	310	M16	25	250	–	130	209
150/250-15/4	150	700	230	278	320	–	288	304	146	370	887	330	M16	25	250	–	135	281
150/260-15/4	150	700	230	278	320	–	288	304	146	370	887	330	M16	25	250	–	135	281
150/260-18.5/4	150	700	230	278	320	–	288	304	146	370	929	330	M16	25	294	–	135	309
150/270-18.5/4	150	700	230	278	320	–	288	304	146	370	929	330	M16	25	294	–	135	309
150/270-22/4	150	700	230	278	320	–	288	304	146	370	957	330	M16	25	294	–	135	319
150/290-30/4	150	770	230	300	337	–	300	344	150	415	1025	370	M16	25	306	–	145	392
150/300-30/4	150	770	230	300	337	–	300	344	150	415	1025	370	M16	25	306	–	145	392
150/310-30/4	150	770	230	300	337	–	300	344	150	415	1025	370	M16	25	306	–	145	392
150/310-37/4	150	770	230	300	337	–	300	344	150	456	1061	370	M16	25	327	–	145	446
150/320-30/4	150	770	230	300	337	–	300	344	150	415	1025	370	M16	25	306	–	145	399
150/320-37/4	150	770	230	300	337	–	300	344	150	456	1061	370	M16	25	327	–	145	446
150/330-37/4	150	770	230	300	337	–	300	344	150	456	1061	370	M16	25	327	–	145	446
150/330-45/4	150	770	230	300	337	–	300	344	150	456	1125	370	M16	25	327	–	145	472
150/340-37/4	150	770	230	300	337	–	300	344	150	456	1061	370	M16	25	327	–	145	446
150/340-45/4	150	770	230	300	337	–	300	344	150	456	1125	370	M16	25	327	–	145	472
200/230-11/4	200	800	245	281	362	–	330	270	165	323	869	370	M16	25	250	–	140	335
200/240-15/4	200	800	245	281	362	–	330	270	165	370	912	370	M16	25	250	–	140	335
200/250-18.5/4	200	800	245	281	362	–	330	270	165	370	954	370	M16	25	294	–	140	364
200/260-22/4	200	800	245	281	362	–	330	270	165	370	982	370	M16	25	294	–	140	374
200/265-22/4	200	800	245	281	362	–	330	270	165	370	982	370	M16	25	294	–	140	374
200/265-30/4	200	800	245	281	362	–	330	270	165	415	1042	370	M16	25	306	–	140	419
200/270-30/4	200	800	245	281	362	–	330	270	165	415	1042	370	M16	25	306	–	140	419
200/310-37/4	200	820	245	322	370	–	360	370	180	456	1086	400	M16	25	327	–	155	486
200/320-37/4	200	820	245	322	370	–	360	370	180	456	1086	400	M16	25	327	–	155	486
200/320-45/4	200	820	245	322	370	–	360	370	180	456	1150	400	M16	25	327	–	155	512
200/330-45/4	200	820	245	322	370	–	360	370	180	456	1150	400	M16	25	327	–	155	512
200/330-55/4	200	820	245	322	370	–	360	370	180	495	1230	400	M16	25	392	–	155	665
200/340-45/4	200	820	245	322	370	–	360	370	180	456	1150	400	M16	25	327	–	155	512
200/340-55/4	200	820	245	322	370	–	360	370	180	495	1230	400	M16	25	392	–	155	665

Wilo-CronoLine-IL Ölçüler, Ağırlıklar

Pompa Ölçülü Resmi



II : basınç ölçme R 1/8" , III : hava tahliye R 1/8"

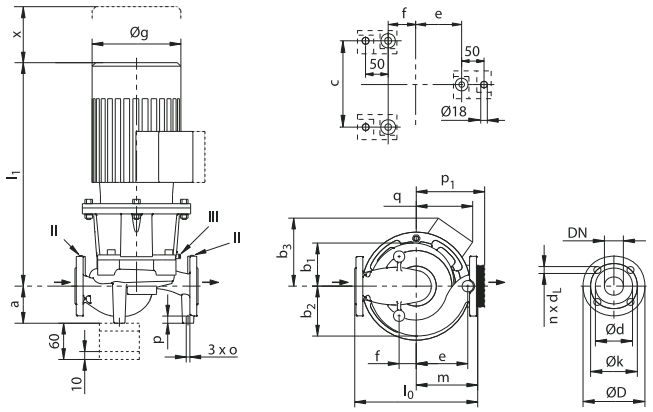
Ölçüler, Ağırlıklar (1450 d/d)

Wilo-CronoLine-IL ...	Nominal Flanş Çapı	Boy	Ölçüler													Ağırlık (yaklaşık)
	DN	l_0	a	b_1	b_2	b_4	b_5	b_{max}	Ø g	l_{1max}	l_2	l_3	m	p_1	x	M
	–	[mm]														[kg]
250/360-75/4	250	1150	321	369	454	340	180	932	764	1850	700	150	550	478	190	1137
250/370-75/4	250	1150	321	369	454	340	180	932	764	1850	700	150	550	478	190	1137
250/380-75/4	250	1150	321	369	454	340	180	932	764	1850	700	150	550	478	190	1137
250/390-75/4	250	1150	321	369	454	340	180	932	764	1850	700	150	550	478	190	1137
250/390-90/4	250	1150	321	369	454	340	180	932	764	1900	700	150	550	478	190	1182
250/400-75/4	250	1150	321	369	454	340	180	932	764	1850	700	150	550	478	190	1137
250/400-90/4	250	1150	321	369	454	340	180	932	764	1900	700	150	550	478	190	1182
250/410-90/4	250	1150	321	369	454	340	180	932	764	1900	700	150	550	478	190	1182
250/410-110/4	250	1150	321	369	454	340	180	1001	834	2150	700	150	550	547	190	1347
250/420-90/4	250	1150	321	369	454	340	180	932	764	1900	700	150	550	478	190	1182
250/420-110/4	250	1150	321	369	454	340	180	1001	834	2150	700	150	550	547	190	1347
250/430-110/4	250	1150	321	369	454	340	180	1001	834	2150	700	150	550	547	190	1347
250/430-132/4	250	1150	321	369	454	340	180	1001	834	2150	700	150	550	547	190	1427
250/440-110/4	250	1150	321	369	454	340	180	1001	834	2150	700	150	550	547	190	1347
250/440-132/4	250	1150	321	369	454	340	180	1001	834	2150	700	150	550	547	190	1427
250/460-132/4	250	1200	308	386	451	340	180	998	834	2150	700	175	575	547	190	1500
250/460-160/4	250	1200	308	386	451	340	180	998	834	2150	700	175	575	547	190	1637
250/470-160/4	250	1200	308	386	451	340	180	998	834	2150	700	175	575	547	190	1637
250/470-200/4	250	1200	308	386	451	340	180	998	834	2150	700	175	575	547	190	1742
250/480-160/4	250	1200	308	386	451	340	180	998	834	2150	700	175	575	547	190	1637
250/480-200/4	250	1200	308	386	451	340	180	998	834	2150	700	175	575	547	190	1742

Değişiklik yapma hakkı saklıdır 2010 WILO A.Ş.

Wilo-Cronoline-IL Ölçüler, Ağırlıklar

Pompa Ölçülü Resmi



II : basınç ölçme R 1/8" , III : hava tahliye R 1/8"

Ölçüler, Ağırlıklar (2900 d/d)

Wilo-CronoLine-IL...	Nominal Flanş Çapı	Boy	Ölçüler															Ağırlık (yaklaşık)
	DN	l_0	a	b_1	b_2	b_3	c	e	f	Ø g	l_{1max}	m	o	p	p_1	q	x	M
	–	[mm]											–	[mm]				[kg]
32/140-1,5/2	32	320	100	112	124	145	120	132	68	193	463	155	M10	20	–	145	150	48
32/150-2,2/2	32	320	100	112	124	149	120	132	68	193	463	155	M10	20	–	149	150	50
32/160-2,2/2	32	320	100	112	124	149	120	132	68	193	448	155	M10	20	–	149	90	50
32/160-3/2	32	320	100	112	124	156	120	132	68	217	506	155	M10	20	–	156	150	60
32/170-3/2	32	320	100	112	124	156	120	132	68	217	506	155	M10	20	–	156	90	60
32/170-4/2	32	320	100	112	124	168	120	132	68	232	584	155	M10	20	–	168	150	67
40/140-2,2/2	40	340	82	113	129	149	130	149	58	193	477	170	M10	20	–	149	95	55
40/150-3/2	40	340	82	113	129	156	130	149	58	217	520	170	M10	20	–	156	95	64
40/160-4/2	40	340	82	113	129	168	130	149	58	232	598	170	M10	20	–	168	95	71
40/170-5,5/2	40	340	82	113	129	182	130	149	58	279	644	170	M10	20	–	182	95	82
40/200-7,5/2	40	440	110	145	149	–	180	172	78	279	649	190	M10	20	188	–	100	96
40/220-11/2	40	440	110	145	149	–	180	172	78	323	772	190	M10	20	250	–	100	125
50/110-1,5/2	50	340	105	102	119	145	140	130	40	193	463	150	M10	20	–	145	100	53
50/120-2,2/2	50	340	105	102	119	149	140	130	40	193	463	150	M10	20	–	149	100	56
50/130-3/2	50	340	105	102	119	156	140	130	40	217	510	150	M10	20	–	156	100	68
50/140-3/2	50	340	105	102	119	156	140	130	40	217	510	150	M10	20	–	156	100	68
50/140-4/2	50	340	105	102	119	168	140	130	40	232	588	150	M10	20	–	168	100	75
50/160-5,5/2	50	340	103	120	138	182	164	143	48	279	651	170	M10	20	–	182	100	86
50/170-5,5/2	50	340	103	120	138	182	164	143	48	279	651	170	M10	20	–	182	100	86
50/170-7,5/2	50	340	103	120	138	182	164	143	48	279	651	170	M10	20	–	182	100	94
50/180-7,5/2	50	440	120	145	150	–	160	170	70	279	650	190	M10	20	188	–	100	99
50/210-11/2	50	440	120	145	150	–	160	170	70	323	773	190	M10	20	250	–	100	128
50/220-11/2	50	440	120	145	150	–	160	170	70	323	773	190	M10	20	250	–	100	128
50/220-15/2	50	440	120	145	150	–	160	170	70	323	773	190	M10	20	250	–	100	139
50/250-18,5/2	50	440	122	178	174	–	200	200	70	370	824	220	M10	20	250	–	120	182

Wilo-CronoLine-IL Ölçüler, Ağırlıklar

Ölçüler, Ağırlıklar (2900 d/d)

Wilo-CronoLine-IL ...	Nominal Flanş Çapı	Boy	Ölçüler															Ağırlık (yaklaşık)
	DN	l_0	a	b_1	b_2	b_3	c	e	f	Ø g	l_{1max}	m	o	p	p_1	q	x	M
	–	[mm]											–	[mm]				[kg]
50/250-22/2	50	440	122	178	174	–	200	200	70	370	866	220	M10	20	294	–	120	213
50/270-22/2	50	440	122	178	174	–	200	200	70	370	866	220	M10	20	294	–	120	204
50/270-30/2	50	440	122	178	174	–	200	200	70	415	971	220	M10	20	306	–	120	249
65/110-3/2	65	340	120	112	134	156	140	140	60	217	524	160	M12	20	–	156	110	66
65/120-3/2	65	340	120	112	134	156	140	140	60	217	524	160	M12	20	–	156	110	66
65/120-4/2	65	340	120	112	134	168	140	140	60	232	602	160	M12	20	–	168	110	73
65/130-4/2	65	340	120	112	134	168	140	140	60	232	602	160	M12	20	–	168	110	73
65/130-5.5/2	65	340	120	112	134	–	140	140	60	279	654	160	M12	20	188	–	110	84
65/140-5.5/2	65	340	120	112	134	–	140	140	60	279	654	160	M12	20	188	–	110	84
65/140-7.5/2	65	340	120	112	134	–	140	140	60	279	654	160	M12	20	188	–	110	92
65/150-5.5/2	65	430	110	126	146	182	180	195	60	279	657	215	M12	20	–	182	120	90
65/160-5.5/2	65	430	110	126	146	182	180	195	60	279	657	215	M12	20	–	182	120	90
65/160-7.5/2	65	430	110	126	146	182	180	195	60	279	657	215	M12	20	–	182	120	100
65/170-11/2	65	430	110	126	146	–	180	195	60	323	788	215	M12	20	250	–	120	124
65/200-11/2	65	475	130	150	168	–	200	225	50	323	782	245	M12	20	250	–	110	134
65/200-15/2	65	475	130	150	168	–	200	225	50	323	782	245	M12	20	250	–	110	145
65/210-15/2	65	475	130	150	168	–	200	225	50	323	782	245	M12	20	250	–	110	145
65/210-18.5/2	65	475	130	150	168	–	200	225	50	370	825	245	M12	20	250	–	110	158
65/220-18.5/2	65	475	130	150	168	–	200	225	50	370	825	245	M12	20	250	–	110	158
65/220-22/2	65	475	130	150	168	–	200	225	50	370	867	245	M12	20	294	–	110	181
65/240-30/2	65	475	140	187	174	–	200	215	80	415	975	235	M12	20	306	–	120	253
65/260-30/2	65	475	140	187	174	–	200	215	80	415	975	235	M12	20	306	–	120	253
65/260-37/2	65	475	140	187	174	–	200	215	80	415	975	235	M12	20	306	–	120	276
80/110-3/2	80	400	105	123	151	156	180	173	57	217	541	200	M12	20	–	156	120	74
80/120-4/2	80	400	105	123	151	168	180	173	57	232	619	200	M12	20	–	168	120	80
80/130-5.5/2	80	400	105	123	151	–	180	173	57	279	671	200	M12	20	188	–	120	91
80/140-7.5/2	80	400	105	123	151	–	180	173	57	279	671	200	M12	20	188	–	120	99
80/150-7.5/2	80	440	120	136	162	182	180	173	72	279	655	200	M12	20	–	182	120	109
80/160-11/2	80	440	120	136	162	–	180	173	72	323	786	200	M12	20	250	–	120	134
80/170-11/2	80	440	120	136	162	–	180	173	72	323	786	200	M12	20	250	–	120	134
80/170-15/2	80	440	120	136	162	–	180	173	72	323	786	200	M12	20	250	–	120	147
80/190-15/2	80	500	145	157	182	–	220	208	62	323	790	230	M12	20	250	–	120	154
80/190-18.5/2	80	500	145	157	182	–	220	208	62	370	833	230	M12	20	250	–	120	167
80/200-18.5/2	80	500	145	157	182	–	220	208	62	370	833	230	M12	20	250	–	120	167
80/200-22/2	80	500	145	157	182	–	220	208	62	370	875	230	M12	20	294	–	120	190
80/210-30/2	80	500	145	157	182	–	220	208	62	415	963	230	M12	20	306	–	120	245
80/220-22/2	80	500	145	157	182	–	220	208	62	370	875	230	M12	20	294	–	120	190
80/220-30/2	80	500	145	157	182	–	220	208	62	415	963	230	M12	20	306	–	120	245
100/145-11/2	100	500	120	159	197	–	200	226	60	323	821	250	M12	20	250	–	135	147
100/150-15/2	100	500	120	159	197	–	200	226	60	323	821	250	M12	20	250	–	135	160
100/160-15/2	100	500	120	159	197	–	200	226	60	323	821	250	M12	20	250	–	135	160

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Wilo-CronoLine-IL Ölçüler, Ağırlıklar

Ölçüler, Ağırlıklar (2900 d/d)

Wilo-CronoLine-IL ...	Nominal Flanş Çapı	Boy	Ölçüler															Ağırlık (yaklaşık)
	DN	l_0	a	b_1	b_2	b_3	c	e	f	Ø g	l_{1max}	m	o	p	p_1	q	x	M
	–	[mm]											–	[mm]				[kg]
100/160-18.5/2	100	500	120	159	197	–	200	226	60	370	864	250	M12	20	250	–	135	177
100/165-22/2	100	500	120	159	197	–	200	226	60	370	906	250	M12	20	294	–	135	192
100/170-22/2	100	500	120	159	197	–	200	226	60	370	906	250	M12	20	294	–	135	192
100/170-30/2	100	500	120	159	197	–	200	226	60	415	994	250	M12	20	306	–	135	247
100/190-30/2	100	550	155	173	202	–	220	231	99	415	973	255	M12	20	306	–	120	258
100/210-30/2	100	550	155	173	202	–	220	231	99	415	973	255	M12	20	306	–	120	258
100/210-37/2	100	550	155	173	202	–	220	231	99	415	973	255	M12	20	306	–	120	281

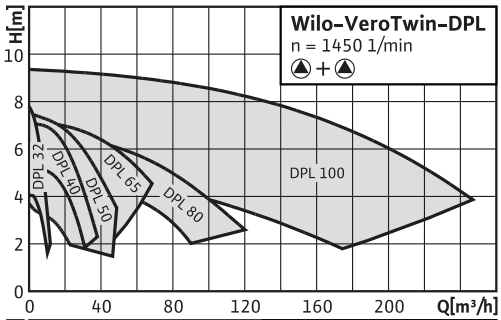
Flanş Ölçüleri

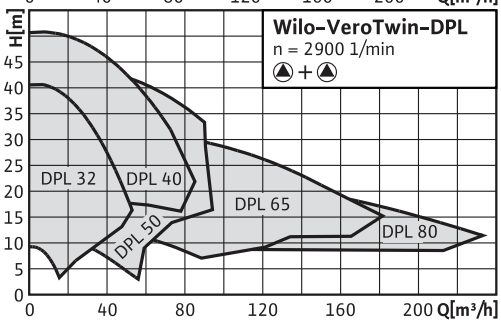
Wilo-CronoLine-IL ...	Nominal Flanş Çapı	Pompa Flanş Ölçüleri			
	DN	Ø D	Ø d	Ø k	n x Ø d_L
	–	[mm]			[delik adeti x mm]
32...	32	140	76	100	4 x 19
40...	40	150	84	110	4 x 19
50...	50	165	99	125	4 x 19
65...	65	185	118	145	4 x 19
80...	80	200	132	160	8 x 19
100...	100	220	156	180	8 x 19
125...	125	250	184	210	8 x 19
150...	150	285	211	240	8 x 23
200...	200	340	266	295	12 x 23
250...	250	405	319	355	12 x 28

EN 1902-2'ye göre PN16 delikli

Wilo-VeroTwin-DPL







Dizayn

Flanş bağlantılı, kuru rotorlu(salmastralı), yekpare milli, inline tip ikiz pompa

Uygulama

Isıtma , soğutma ve iklimlendirme tesisatları

Pompa Kodlaması

Örnek : **DPL 40/160-4/2**

DPL	Inline ikiz pompa
40	Nominal bağlantı çapı DN
160	Nominal çark çapı
4	Nominal motor gücü P_2, kW
2	Kutup sayısı

Ürün Özellikleri / Faydalar

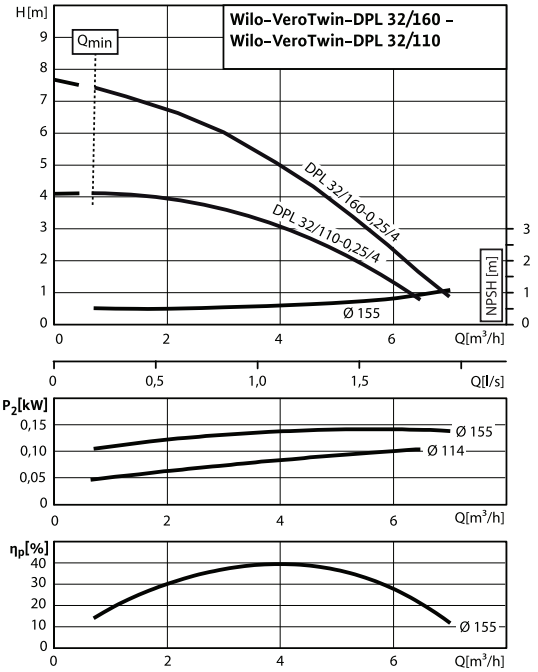
- Kataforez kaplama ile yüksek korozyon dayanımı
- Motor gövdesi ve laternada özel kondensat tahliye delikleri
- Yekpare mil (motor ve pompa mili ortak)
- Versiyon N : standart B5 veya V1 motor
- Cebri soğutmalı iki yönlü mekanik salmastra
- Gövde üzerindeki ayaklar ile kolay montaj
- Yön değiştirme klapesi

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Wilo-VeroTwin-DPL Karakteristik Eğriler

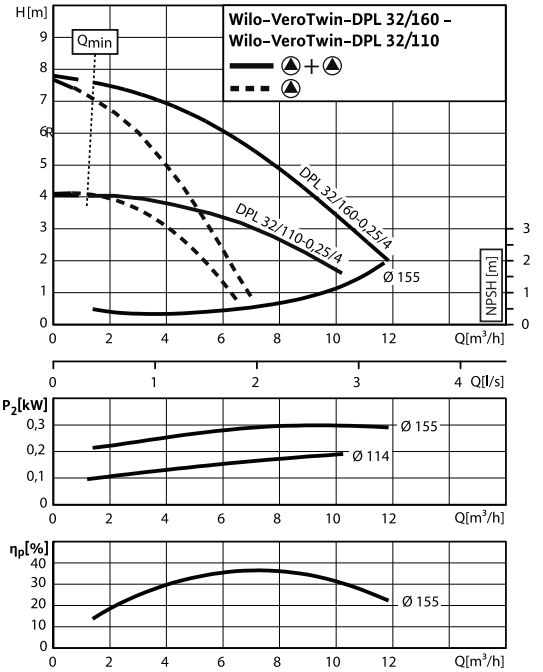
Wilo-VeroTwin-DPL 32/110-0,25/4 - 32/160-0,25/4

Devir hızı 1450 d/d - tekli işletim



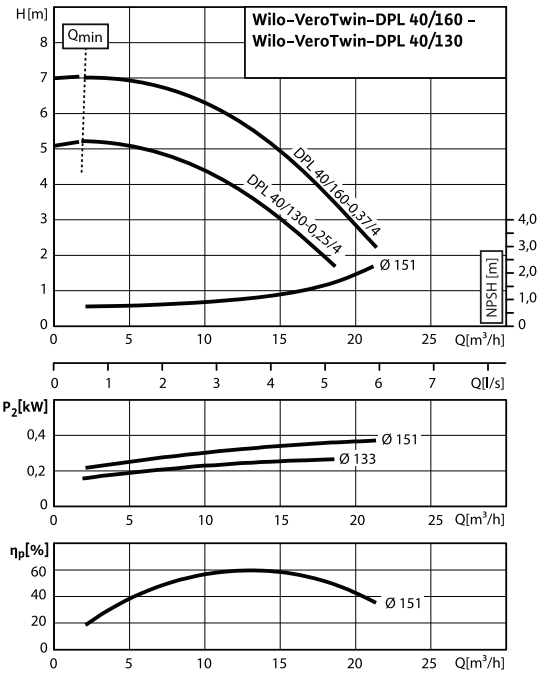
Wilo-VeroTwin-DPL 32/110-0,25/4 - 32/160-0,25/4

Devir hızı 1450 d/d - paralel işletim



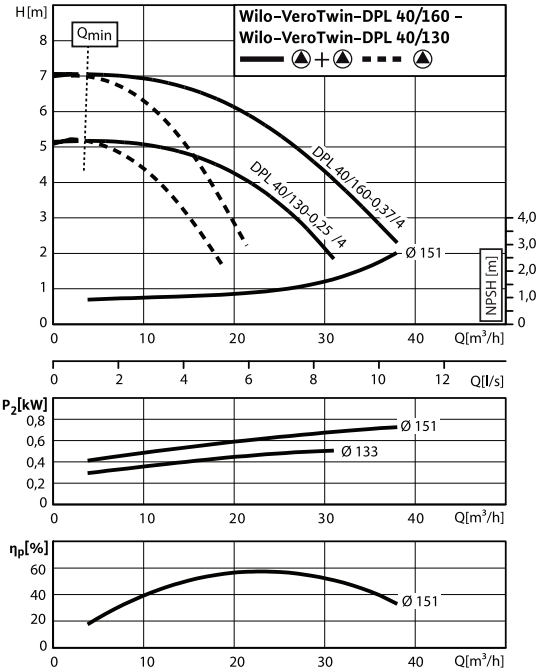
Wilo-VeroTwin-DPL 40/130-0,25/4 - 40/160-0,37/4

Devir hızı 1450 d/d - tekli işletim



Wilo-VeroTwin-DPL 40/130-0,25/4 - 40/160-0,37/4

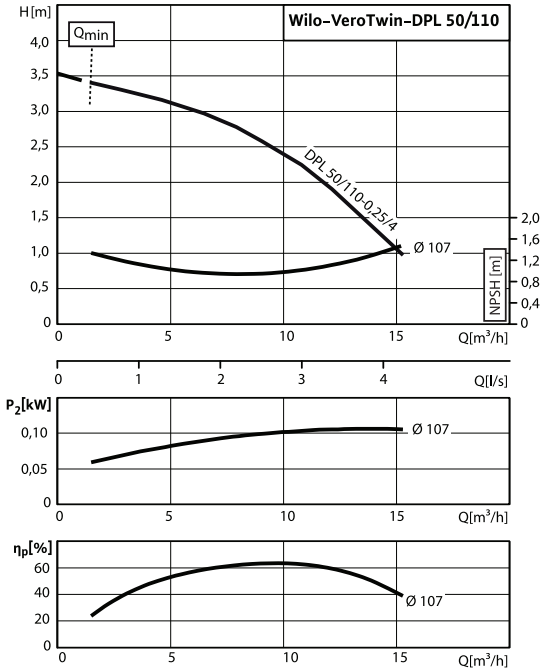
Devir hızı 1450 d/d - paralel işletim



Wilo-VeroTwin-DPL Karakteristik Eğriler

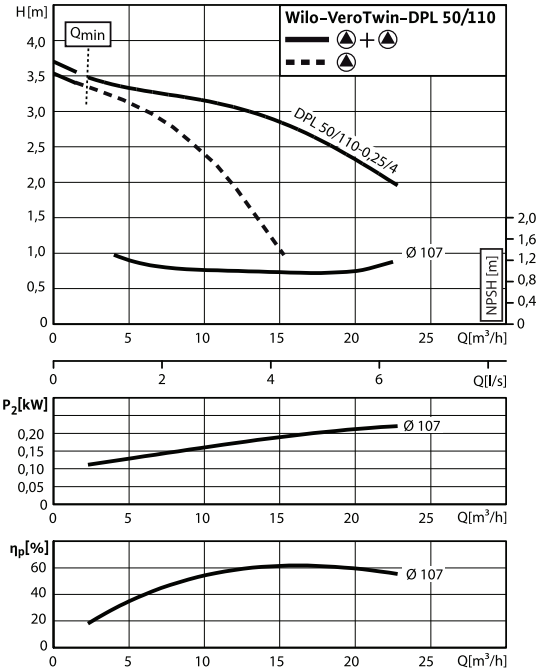
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Devir hızı 1450 d/d - tekli işletim



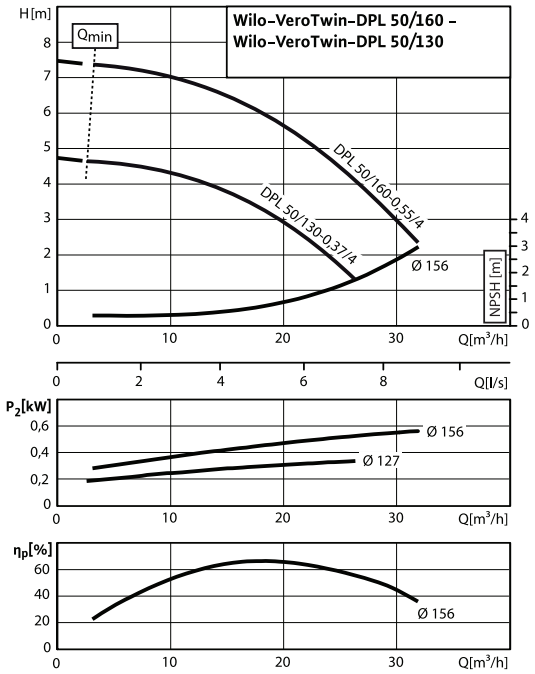
Wilo-VeroTwin-DPL 50/110-0,25/4

Devir hızı 1450 d/d - paralel işletim



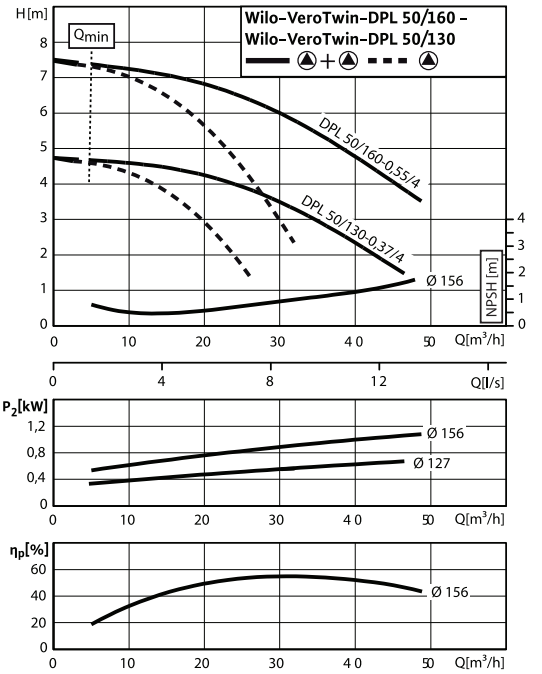
Wilo-VeroTwin-DPL 50/130-0,37/4 - 50/160-0,55/4

Devir hızı 1450 d/d - tekli işletim



Wilo-VeroTwin-DPL 50/130-0,37/4 - 50/160-0,55/4

Devir hızı 1450 d/d - paralel işletim

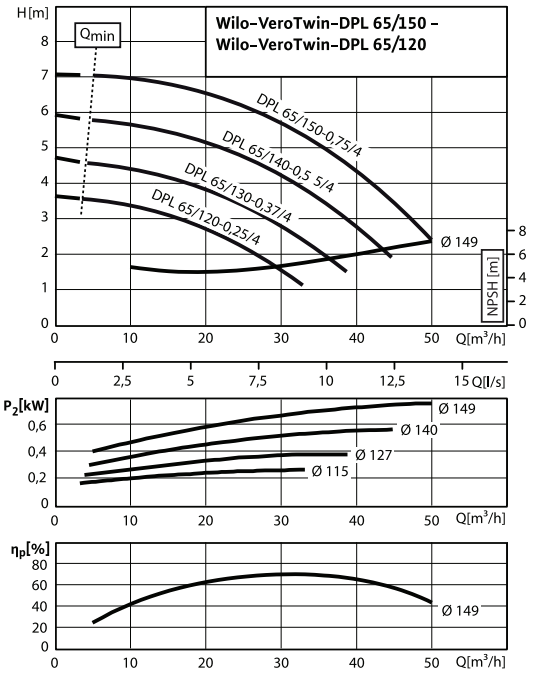


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Wilo-VeroTwin-DPL Karakteristik Eğriler

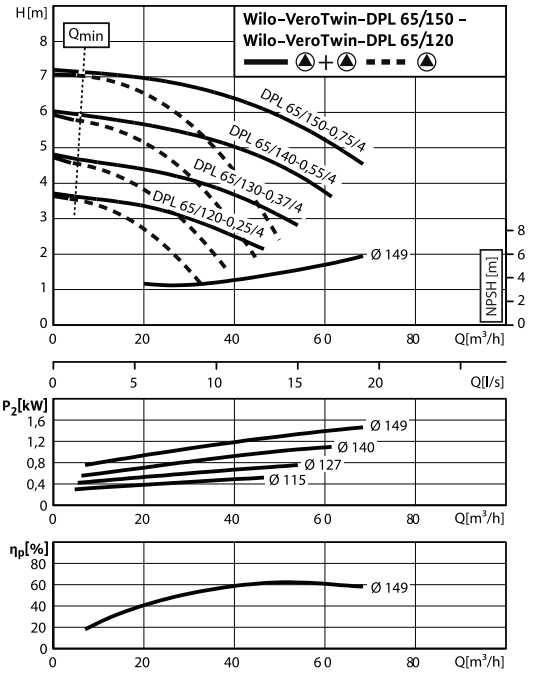
Wilo-VeroTwin-DPL 65/120-0,25/4 - 65/150-0,75/4

Devir hızı 1450 d/d - tekli işletim



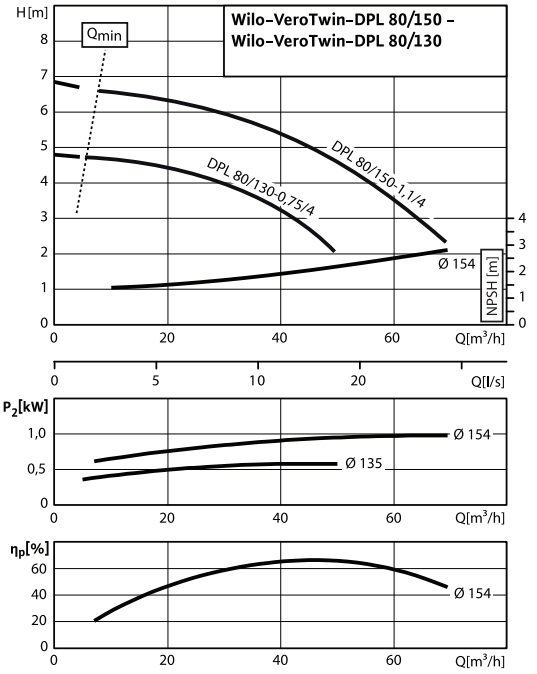
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Devir hızı 1450 d/d - paralel işletim



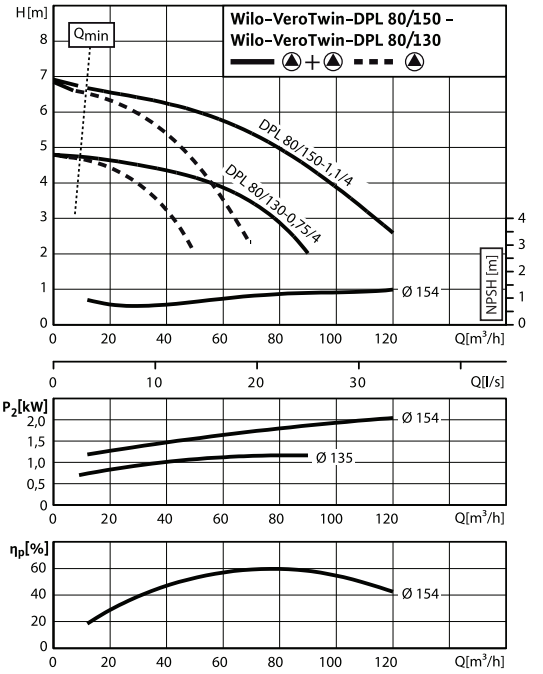
Wilo-VeroTwin-DPL 80/130-0,75/4 - 80/150-1,1/4

Devir hızı 1450 d/d - tekli işletim



Wilo-VeroTwin-DPL 80/130-0,75/4 - 80/150-1,1/4

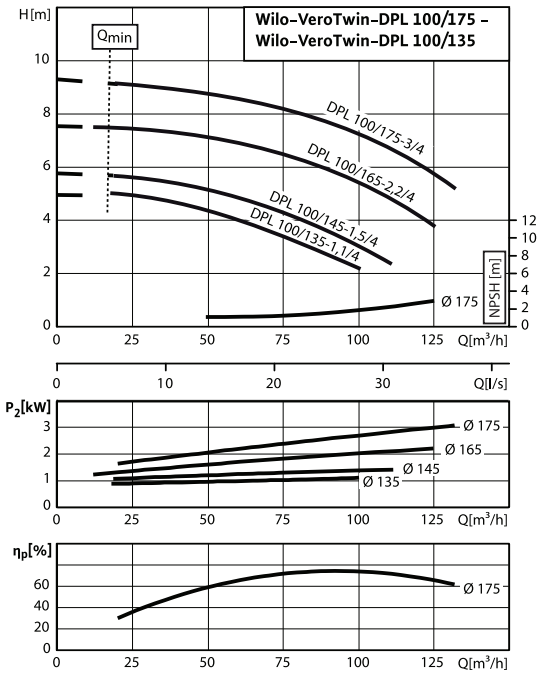
Devir hızı 1450 d/d - paralel işletim



Wilo-VeroTwin-DPL Karakteristik Eğriler

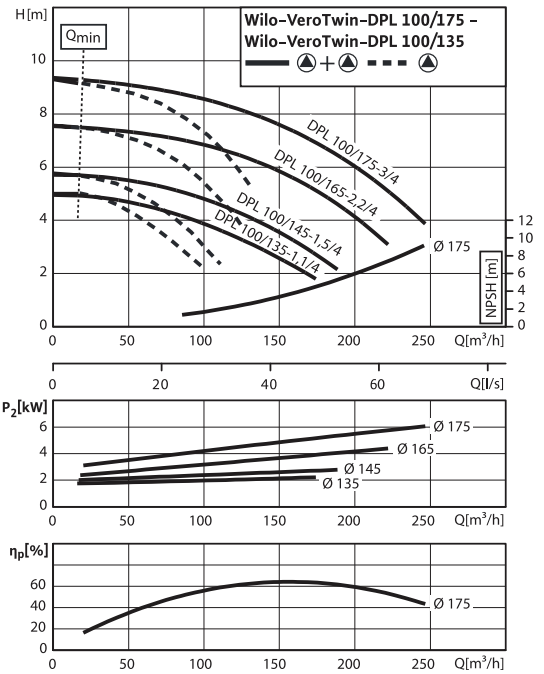
Wilo-VeroTwin-DPL 100/135-1,1/4 - 100/175-3/4

Devir hızı 1450 d/d - tekli işletim



Wilo-VeroTwin-DPL 100/135-1,1/4 - 100/175-3/4

Devir hızı 1450 d/d - paralel işletim

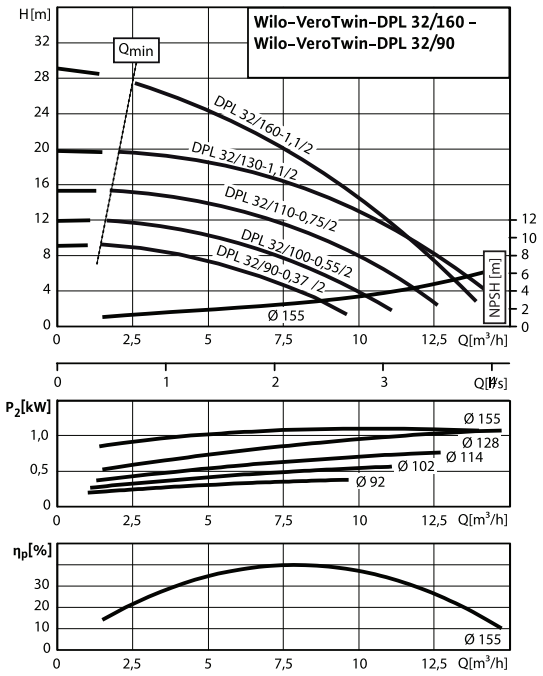


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Wilo-VeroTwin-DPL Karakteristik Eğriler

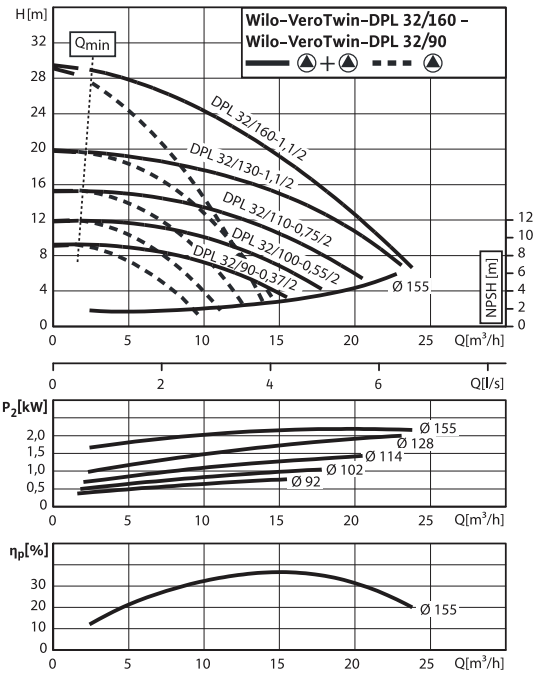
Wilo-VeroTwin-DPL 32/90-0,37/2 - 32/160-1,1/2

Devir hızı 2900 d/d - tekli işletim



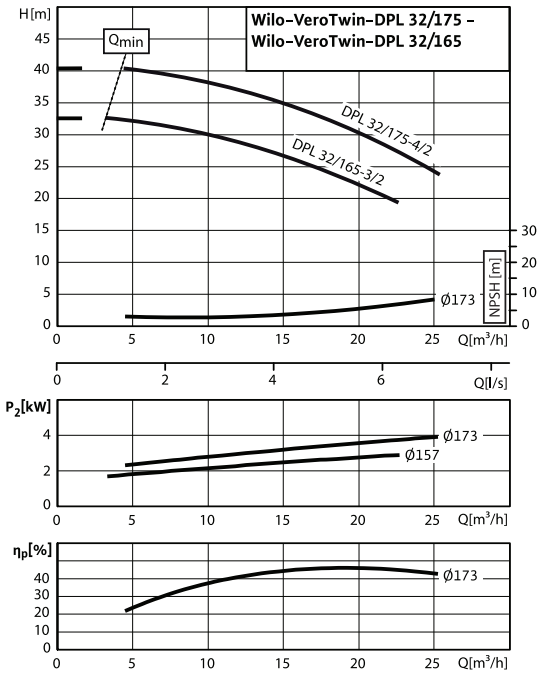
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Devir hızı 2900 d/d - paralel işletim



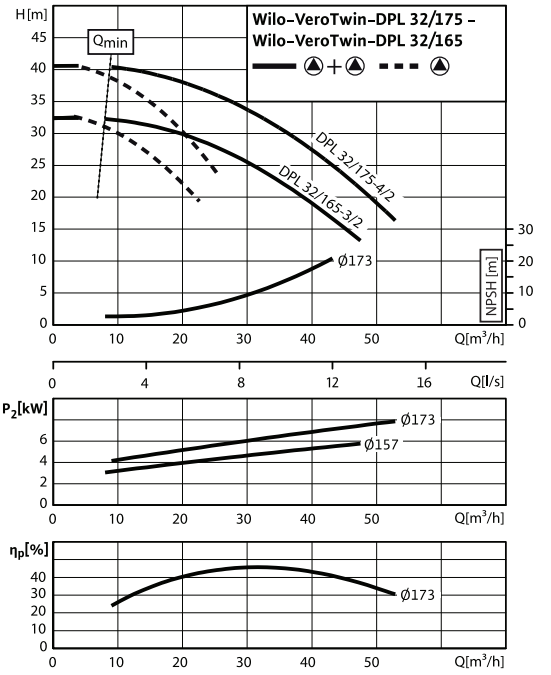
Wilo-VeroTwin-DPL 32/165-3/2 - 32/175-4/2

Devir hızı 2900 d/d - tekli işletim



Wilo-VeroTwin-DPL 32/165-3/2 - 32/175-4/2

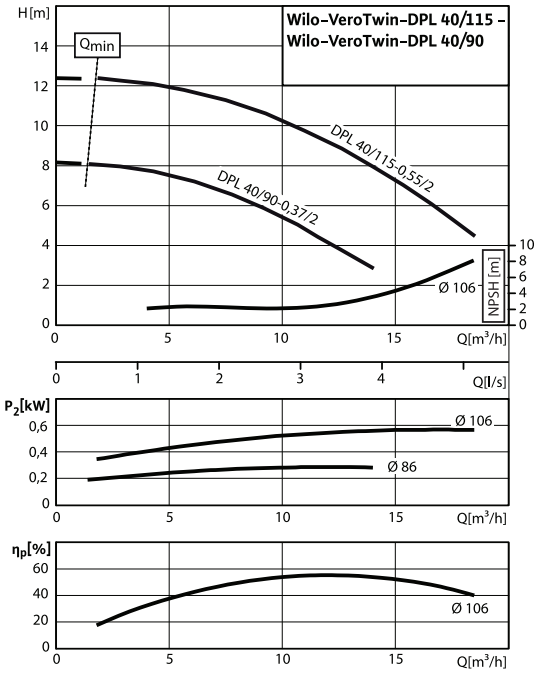
Devir hızı 2900 d/d - paralel işletim



Wilo-VeroTwin-DPL Karakteristik Eğriler

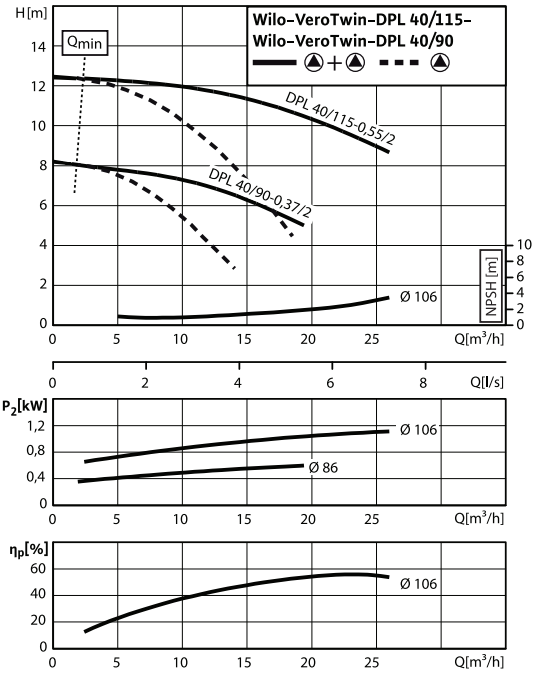
Wilo-VeroTwin-DPL 40/90-0,37/2 – 40/115-0,55/2

Devir hızı 2900 d/d – tekli işletim



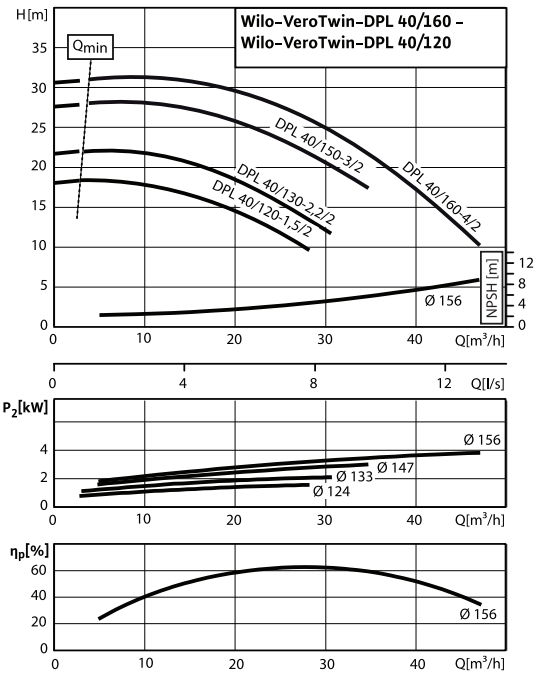
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Devir hızı 2900 d/d – paralel işletim



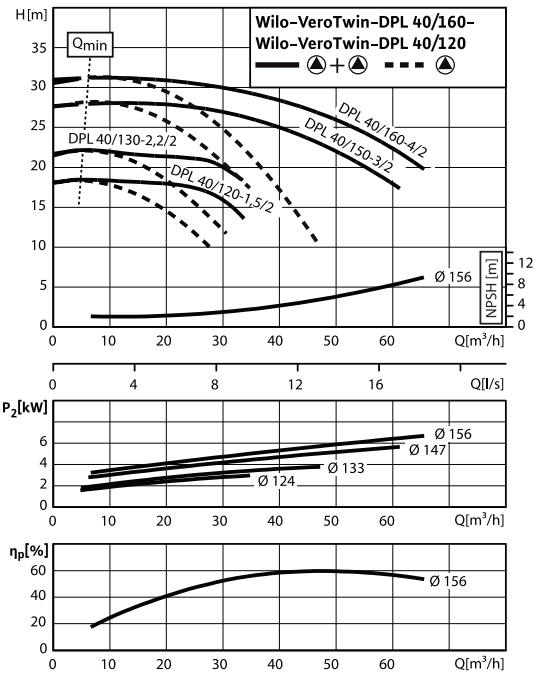
Wilo-VeroTwin-DPL 40/120-1,5/2 – 40/160-4/2

Devir hızı 2900 d/d – tekli işletim



Wilo-VeroTwin-DPL 40/120-1,5/2 – 40/160-4/2

Devir hızı 2900 d/d – paralel işletim

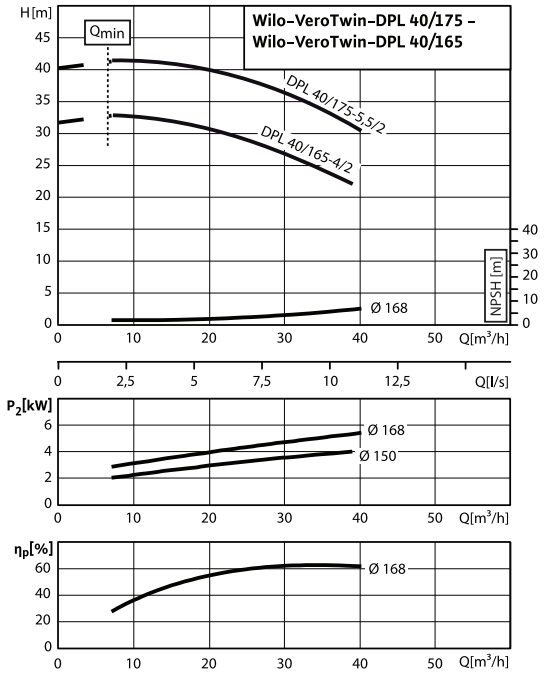


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Wilo-VeroTwin-DPL Karakteristik Eğriler

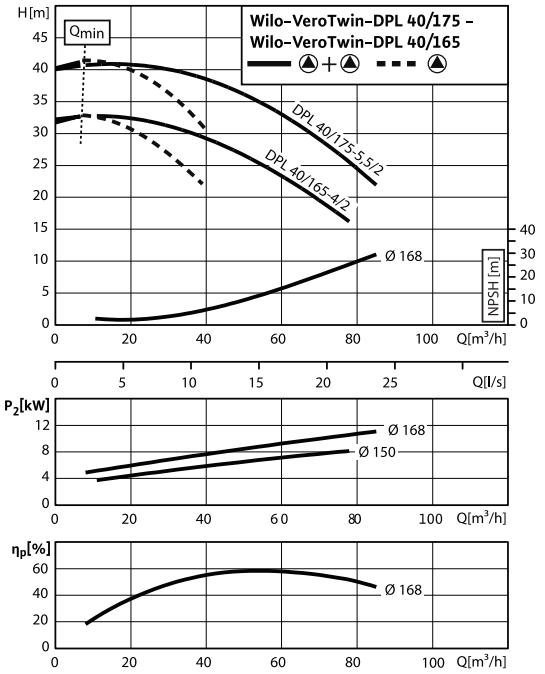
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Devir hızı 2900 d/d - tekli işletim



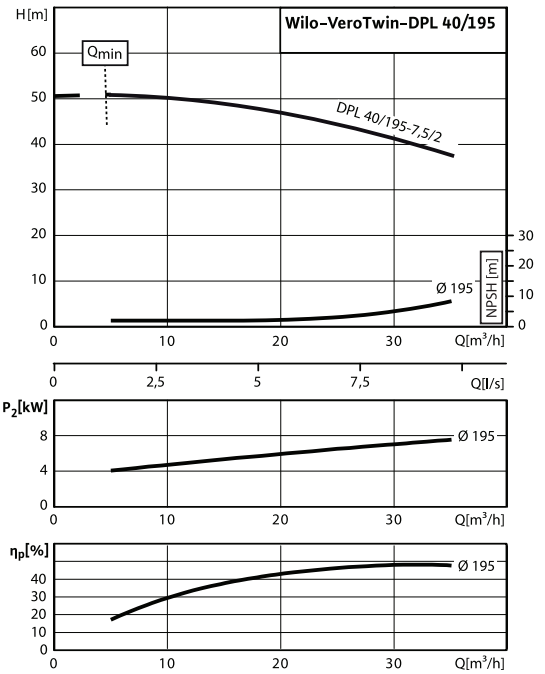
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Devir hızı 2900 d/d - paralel işletim



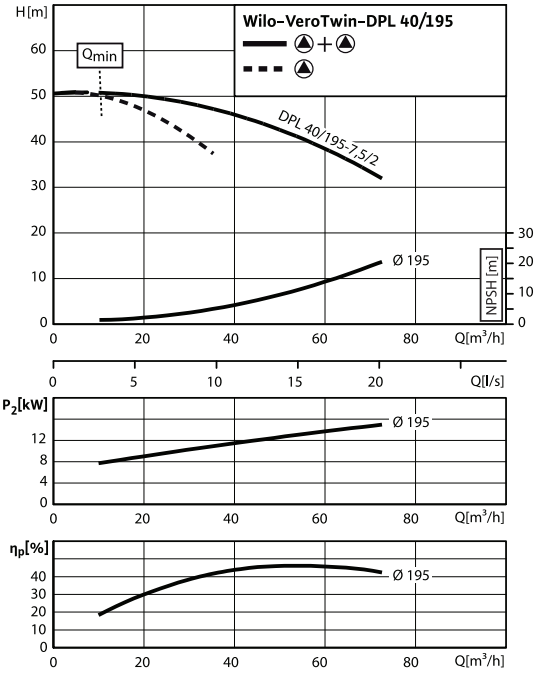
Wilo-VeroTwin-DPL 40/195-7,5/2

Devir hızı 2900 d/d - tekli işletim



Wilo-VeroTwin-DPL 40/195-7,5/2

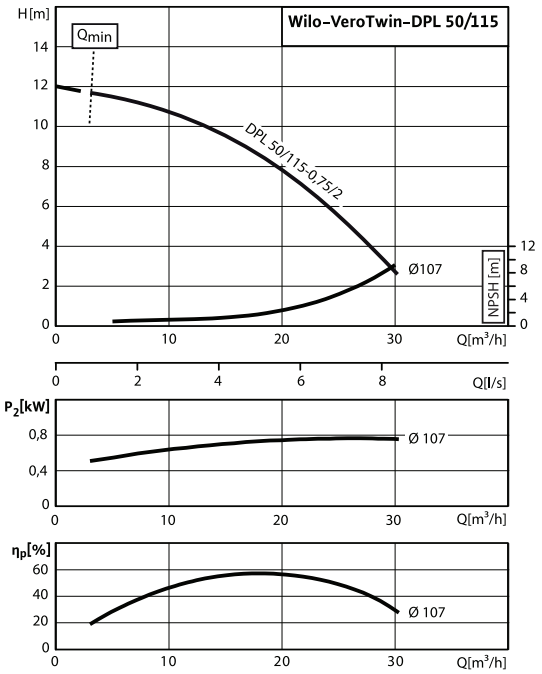
Devir hızı 2900 d/d - paralel işletim



Wilo-VeroTwin-DPL Karakteristik Eğriler

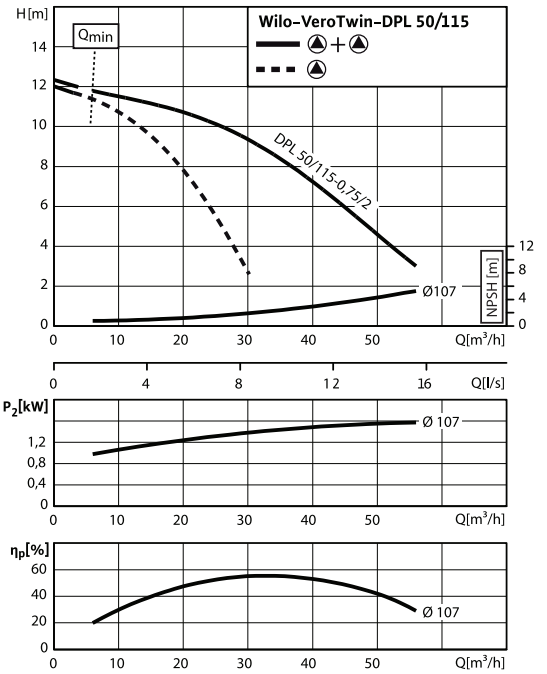
Wilo-VeroTwin-DPL 50/115-0,75/2

Devir hızı 2900 d/d - tekli işletim



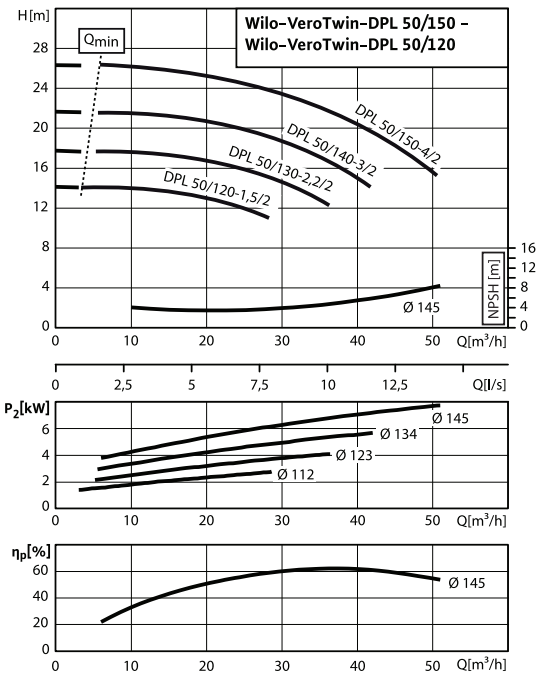
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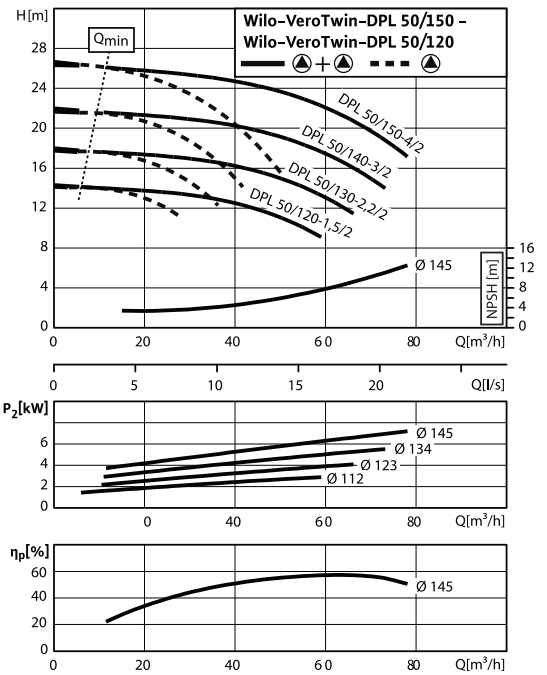
Wilo-VeroTwin-DPL 50/120-1,5/2 - 50/150-4/2

Devir hızı 2900 d/d - tekli işletim



Wilo-VeroTwin-DPL 50/120-1,5/2 - 50/150-4/2

Devir hızı 2900 d/d - paralel işletim

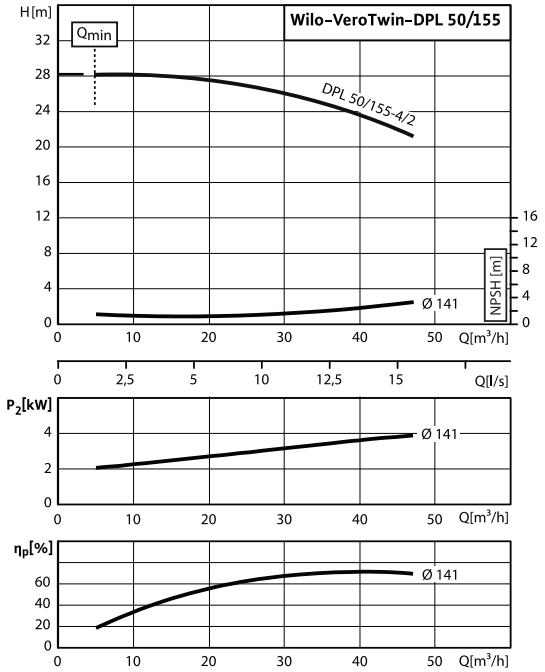


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Wilo-VeroTwin-DPL Karakteristik Eğriler

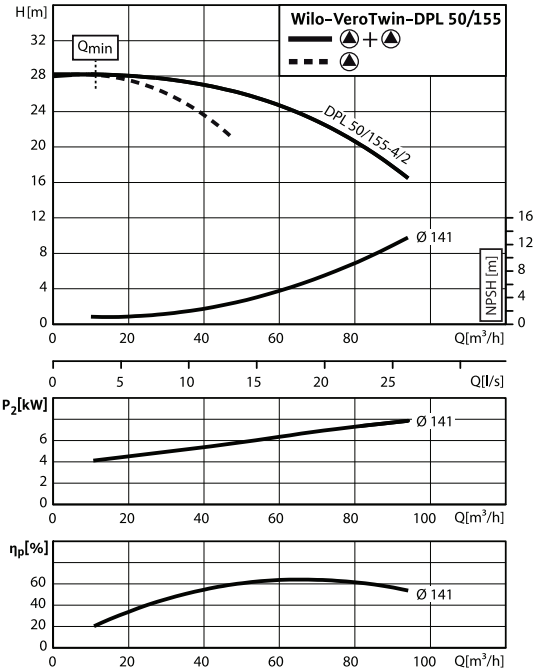
Wilo-VeroTwin-DPL 50/155-4/2

Devir hızı 2900 d/d - tekli işletim



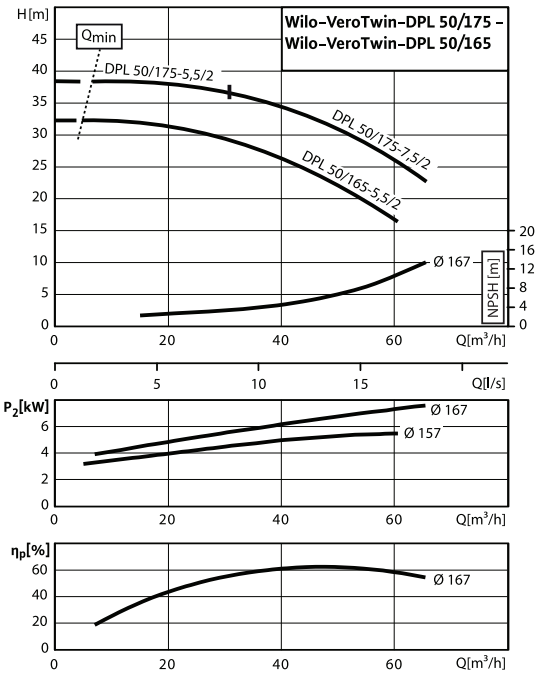
Wilo-VeroTwin-DPL 50/155-4/2

Devir hızı 2900 d/d - paralel işletim



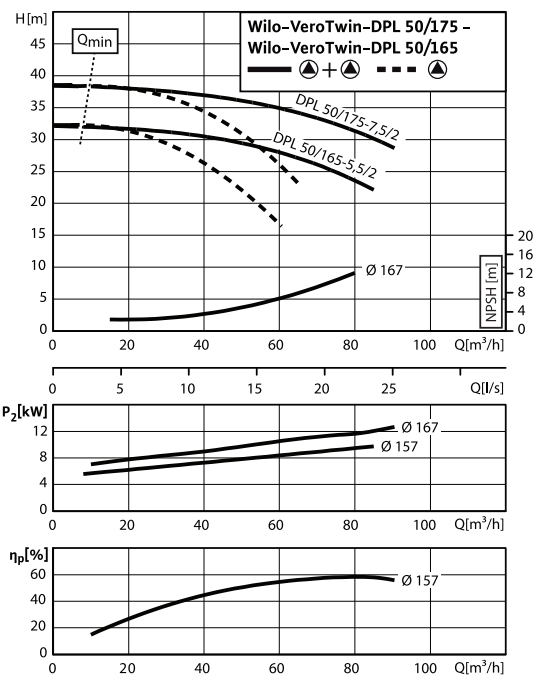
Wilo-VeroTwin-DPL 50/165-5,5/2 - 50/175-5,5/2

Devir hızı 2900 d/d - tekli işletim



Wilo-VeroTwin-DPL 50/165-5,5/2 - 50/175-5,5/2

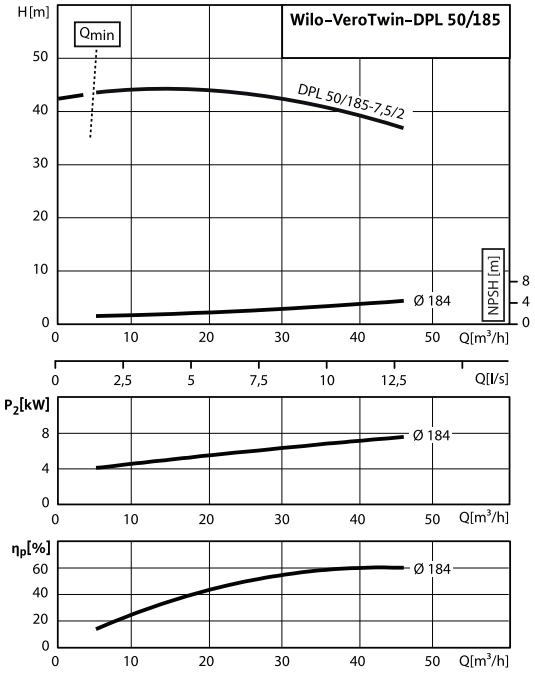
Devir hızı 2900 d/d - paralel işletim



Wilo-VeroTwin-DPL Karakteristik Eğriler

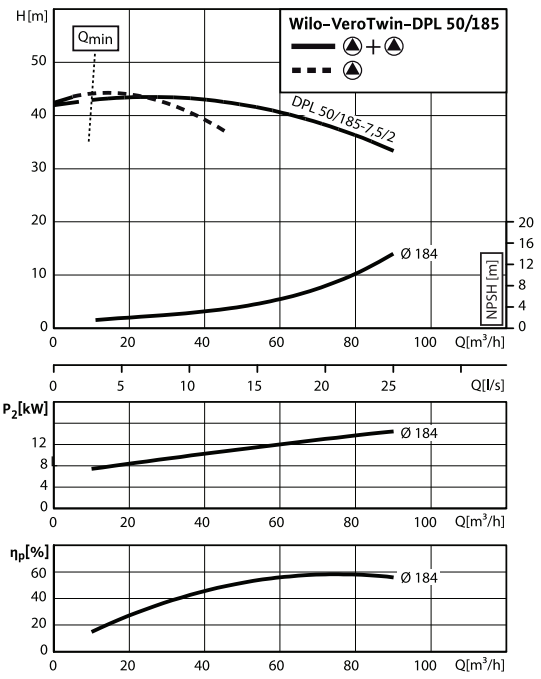
Wilo-VeroTwin-DPL 50/185-7,5/2

Devir hızı 2900 d/d - tekli işletim



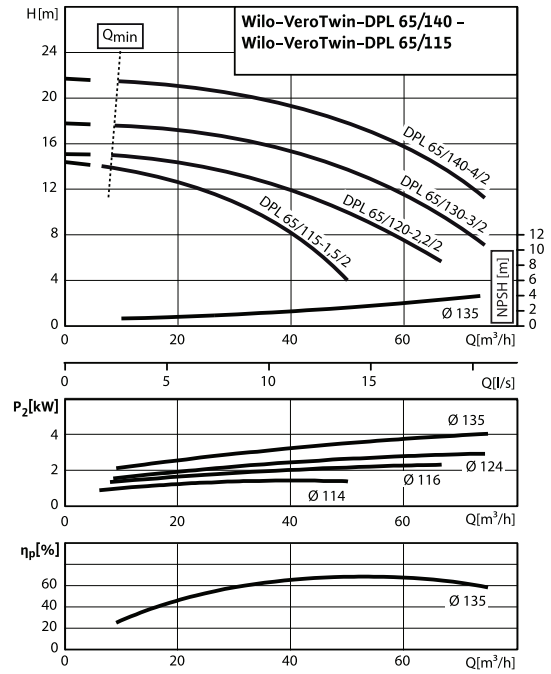
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Devir hızı 2900 d/d - paralel işletim



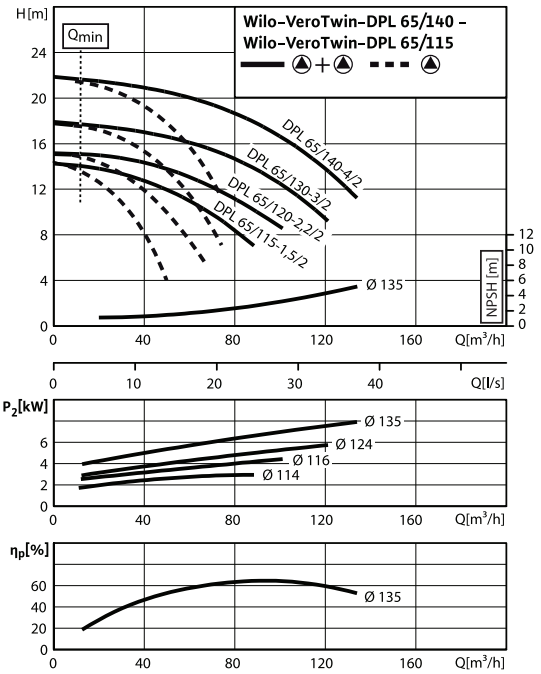
Wilo-VeroTwin-DPL 65/115-1,5/2 - 65/140-4/2

Devir hızı 2900 d/d - tekli işletim



Wilo-VeroTwin-DPL 65/115-1,5/2 - 65/140-4/2

Devir hızı 2900 d/d - paralel işletim

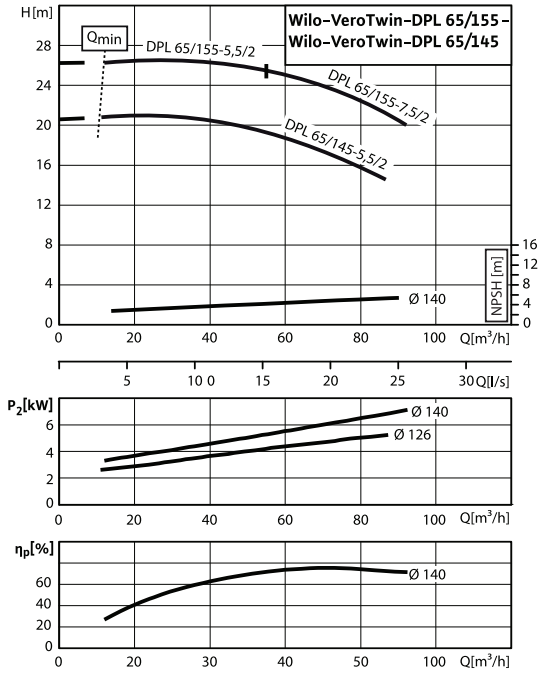


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Wilo-VeroTwin-DPL Karakteristik Eğriler

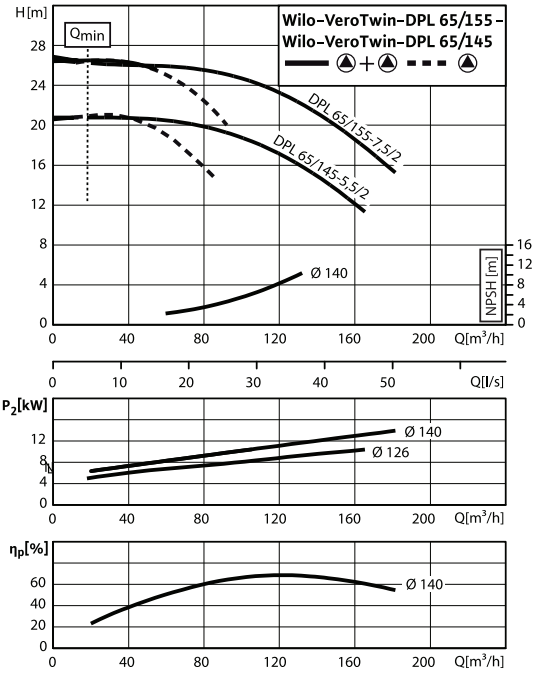
Wilo-VeroTwin-DPL 65/145-5,5/2 - 65/155-7,5/2

Devir hızı 2900 d/d - tekli işletim



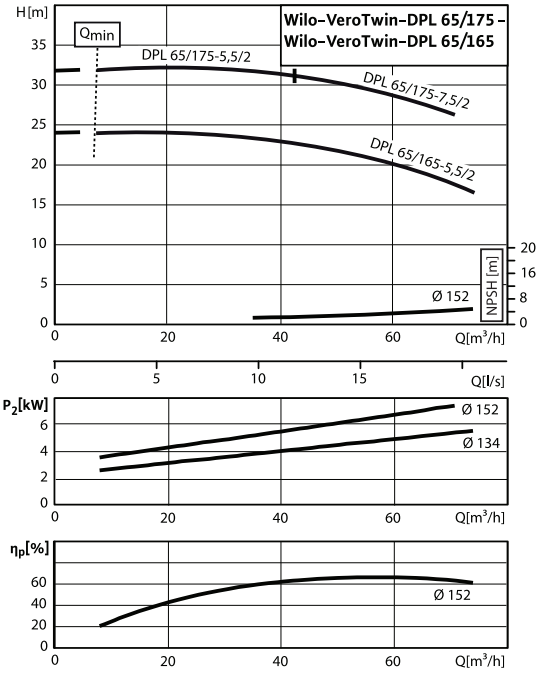
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Devir hızı 2900 d/d - paralel işletim



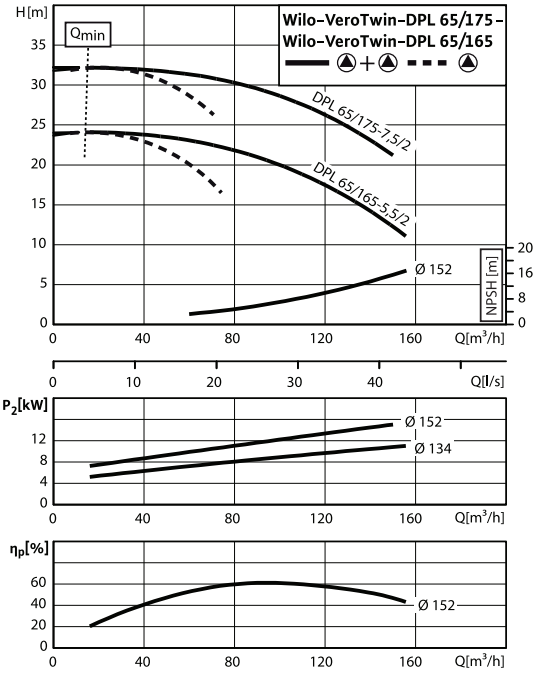
Wilo-VeroTwin-DPL 65/165-5,5/2 - 65/175-7,5/2

Devir hızı 2900 d/d - tekli işletim



Wilo-VeroTwin-DPL 65/165-5,5/2 - 65/175-7,5/2

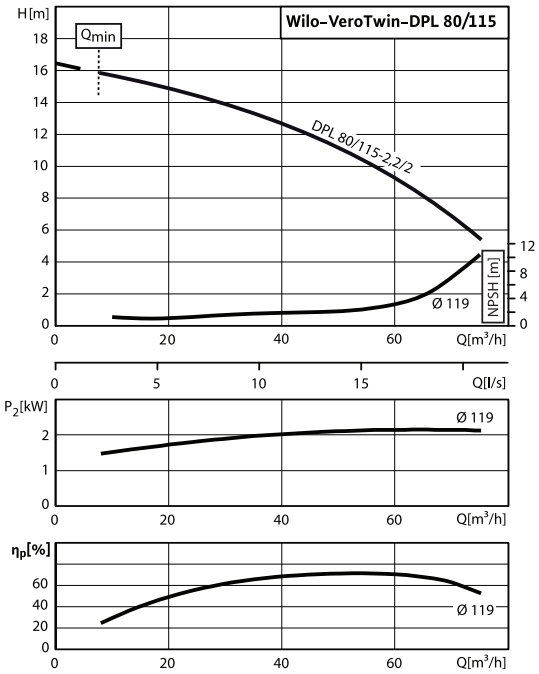
Devir hızı 2900 d/d - paralel işletim



Wilo-VeroTwin-DPL Karakteristik Eğriler

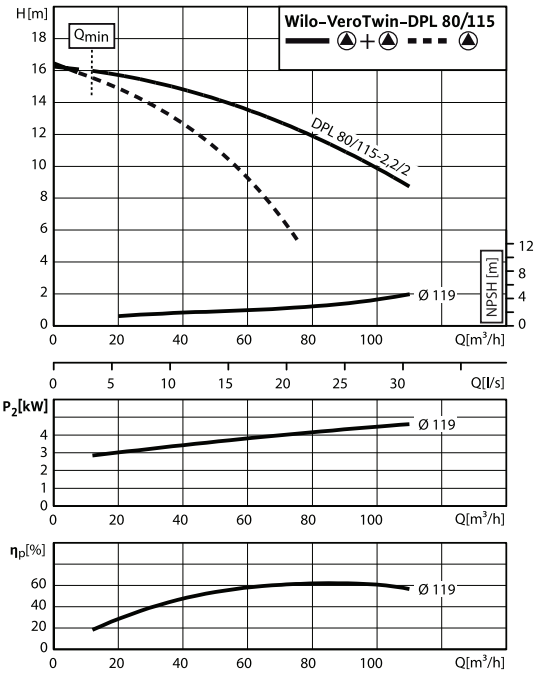
Wilo-VeroTwin-DPL 80/115-2,2/2

Devir hızı 2900 d/d - tekli işletim



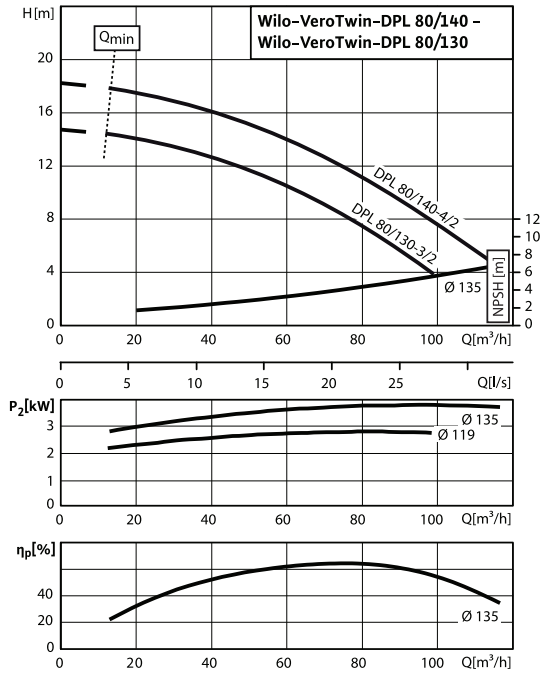
Wilo-VeroTwin-DPL 80/115-2,2/2

Devir hızı 2900 d/d - paralel işletim



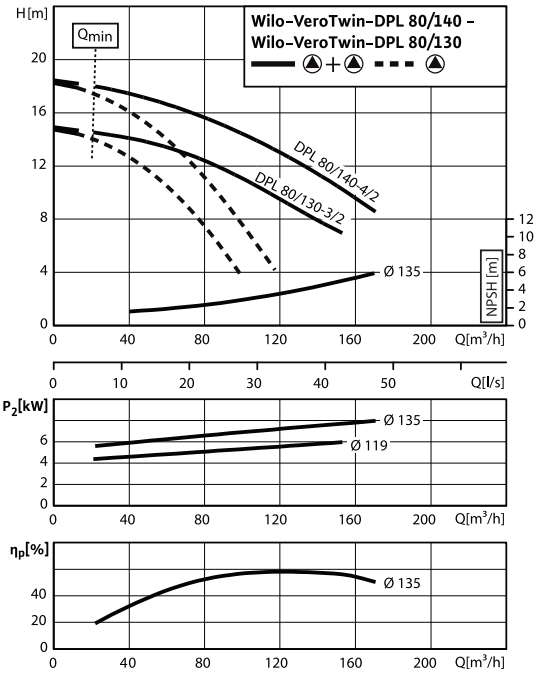
Wilo-VeroTwin-DPL 80/130-3/2 - 80/140-4/2

Devir hızı 2900 d/d - tekli işletim



Wilo-VeroTwin-DPL 80/130-3/2 - 80/140-4/2

Devir hızı 2900 d/d - paralel işletim

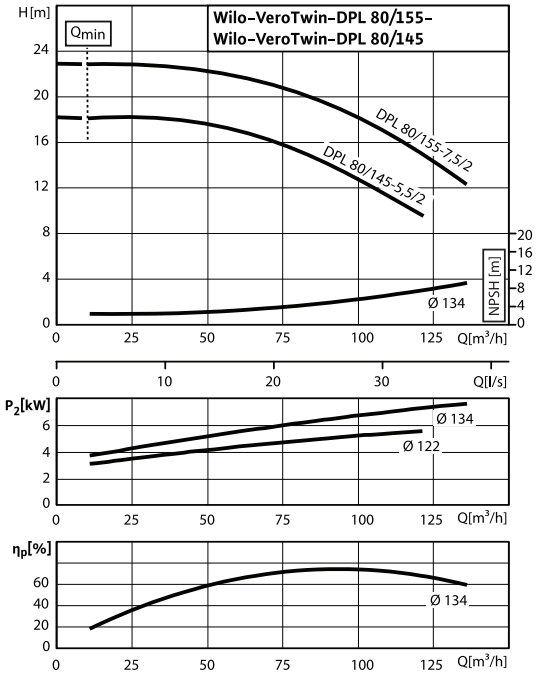


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Wilo-VeroTwin-DPL Karakteristik Eğriler

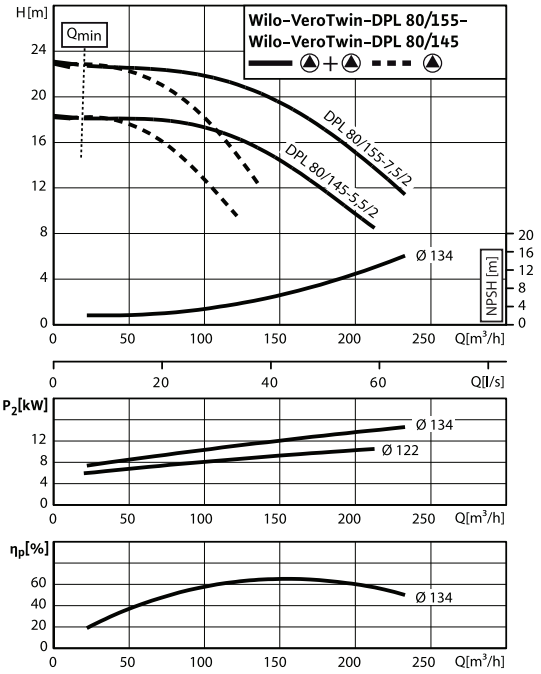
Wilo-VeroTwin-DPL 80/145-5,5/2 - 80/155-7,5/2

Devir hızı 2900 d/d - tekli işletim



Wilo-VeroTwin-DPL 80/145-5,5/2 - 80/155-7,5/2

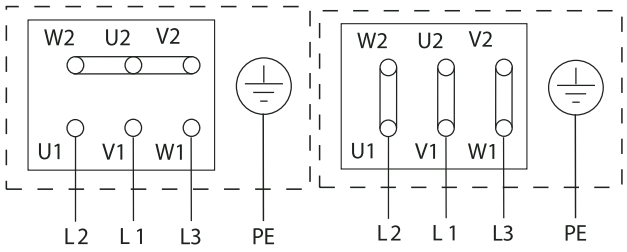
Devir hızı 2900 d/d - paralel işletim



Wilo-VeroTwin-DPL Bağlantı Şemaları, Motor Bilgileri

Bağlantı Şeması

Y resim **Δ resim**



Motor koruma svici kullanılmalıdır. Dönüş yönü kontrol edilmelidir. Dönüş yönünü değiştirmek için, herhangi iki fazı yer değiştirin.

P2 ≤ 3 kW 3~400V Y 3~230V Δ

P2 ≥ 4 kW 3~690V Y 3~400V Δ

Köprüler kaldırılarak, Y- Δ kalkış mümkündür.

Motor Bilgileri (1450 d/d)

Wilo-VeroTwin-DPL ...	Nominal Akım (yaklaşık)	Güç Faktörü	Verim
	I_N 3~400 V	cos φ	η_M
	[A]	–	
0.25 kW	0.86	0.74	0.61
0.37 kW	1.10	0.75	0.65
0.55 kW	1.70	0.69	0.70
0.75 kW	1.95	0.76	0.73
1.1 kW	2.90	0.78	0.74
1.5 kW	3.35	0.82	0.79
2.2 kW	4.70	0.83	0.82
3 kW	6.40	0.83	0.83

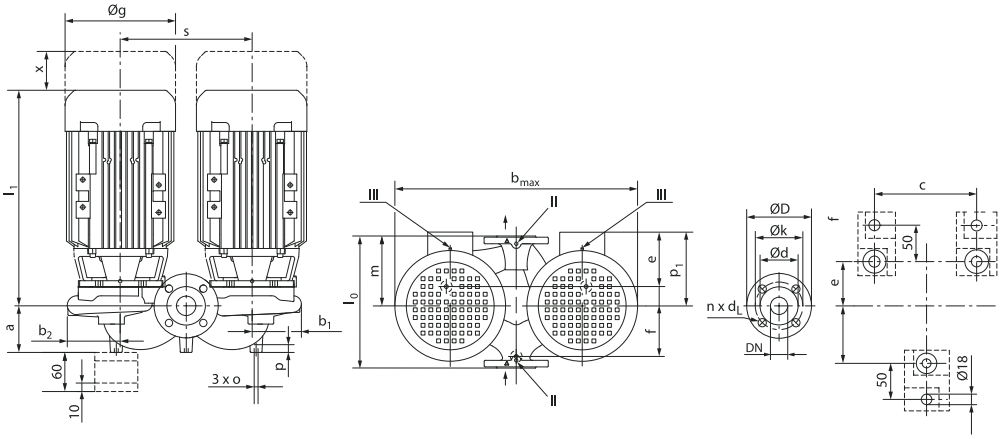
Motor Bilgileri (2900 d/d)

Wilo-VeroTwin-DPL ...	Nominal Akım (yaklaşık)	Güç Faktörü	Verim
	I_N 3~400 V	cos φ	η_M
	[A]	–	
0.37 kW	1.00	0.84	0.68
0.55 kW	1.40	0.82	0.70
0.75 kW	2.00	0.86	0.68
1.1 kW	2.60	0.84	0.79
1.5 kW	3.25	0.81	0.80
2.2 kW	4.60	0.87	0.81
3 kW	6.10	0.86	0.84
4 kW	8.20	0.86	0.85
5.5 kW	10.50	0.90	0.84
7.5 kW	14.30	0.90	0.86

Değişiklik yapma hakkı saklıdır 2010 WILO A.Ş.

Wilo-VeroTwin-DPL Ölçüler, Ağırlıklar

Pompa Ölçülü Resmi



Gövde üzerinde montaj ayakları mevcuttur. Konsol opsiyoneldir. II : basınç ölçme R 1/8" , III : hava tahliye R 1/8"

Ölçüler, Ağırlıklar (1450 d/d)

Wilo-VeroTwin-DPL ...	Nominal Flanş Çapı	Boy	Ölçüler															Çark*	Ağırlık (yaklaşık)
	DN	l_0	A	b_1	b_2	b_{max}	c	e	f	Ø g	l_{1max}	m	o	p	p_1	s	x	–	M
	–	[mm]											–	[mm]				–	[kg]
32/110-0.25/4	32	260	70	101	105	410	225	56	106	143	295	136	M10	20	120	205	150	P	34
32/160-0.25/4	32	260	70	101	105	410	225	56	106	143	295	136	M10	20	120	205	150	P	34
40/130-0.25/4	40	320	75	113	119	456	240	45	135	143	289	167	M10	20	120	224	150	P	41
40/160-0.37/4	40	320	75	113	119	456	240	45	135	143	289	167	M10	20	120	224	150	P	43
50/110-0.25/4	50	280	83	95	101	390	228	50	107	143	300	155	M10	20	120	194	150	P	38
50/130-0.37/4	50	340	86	120	130	500	240	48	132	143	291	190	M10	20	120	250	150	P	45
50/160-0.55/4	50	340	86	120	130	500	240	48	132	185	327	190	M10	20	128	250	150	P	50
65/120-0.25/4	65	340	93	125	135	550	240	43	137	143	297	185	M10	20	120	290	150	P	50
65/130-0.37/4	65	340	93	125	135	550	240	43	137	143	297	185	M10	20	120	290	150	P	52
65/140-0.55/4	65	340	93	125	135	550	240	43	137	185	333	185	M10	20	128	290	150	P	57
65/150-0.75/4	65	340	93	125	135	550	240	43	137	185	333	185	M10	20	128	290	150	P	59
80/130-0.75/4	80	360	103	134	147	601	240	30	150	185	339	192	M10	20	128	320	150	P	62
80/150-1.1/4	80	360	103	134	147	601	240	30	150	185	339	192	M10	20	128	320	150	P	63
100/135-1.1/4	100	500	180	173	188	801	580	80	250	176	373	226	M12	20	148	440	150	D	135
100/145-1.5/4	100	500	180	173	188	801	580	80	250	176	398	226	M12	20	148	440	150	D	135
100/165-2.2/4	100	500	180	173	188	801	580	80	250	196	425	226	M12	20	155	440	150	D	147
100/175-3/4	100	500	180	173	188	801	580	80	250	196	425	226	M12	20	155	440	150	D	150

l1 : Versiyon N için, l1 boyu kullanılan spesifik motorun ölçülerine bağlıdır.
*çark malzemesi : D dökme demir, P plastik

Wilo-VeroTwin-DPL Ölçüler, Ağırlıklar

Ölçüler, Ağırlıklar (2900 d/d)

Wilo-VeroTwin-DPL ...	Nominal Flanş Çapı	Boy	Ölçüler																Çark*	Ağırlık (yaklaşık)
	DN	l_0	A	b_1	b_2	b_{max}	c	e	f	Ø g	l_{1max}	m	o	p	p_1	s	x	–	M
	–	[mm]											–	[mm]				–	[kg]
32/90-0.37/2	32	260	70	101	105	410	225	56	106	143	295	136	M10	20	120	205	150	P	35
32/100-0.55/2	32	260	70	101	105	410	225	56	106	143	295	136	M10	20	120	205	150	P	36
32/110-0.75/2	32	260	70	101	105	410	225	56	106	143	295	136	M10	20	120	205	150	P	38
32/130-1.1/2	32	260	70	101	105	410	225	56	106	185	331	136	M10	20	128	205	150	P	44
32/160-1.1/2	32	260	70	101	105	410	225	56	106	185	331	136	M10	20	128	205	150	P	44
32/165-3/2	32	320	100	117	122	539	360	43	137	217	393	155	M10	20	160	300	150	D	85
32/175-4/2	32	320	100	117	122	539	360	43	137	220	409	155	M10	20	168	300	150	D	99
40/90-0.37/2	40	250	75	85	91	350	225	35	97	143	294	135	M10	20	120	174	150	P	37
40/115-0.55/2	40	250	75	85	91	350	225	35	97	143	294	135	M10	20	120	174	150	P	39
40/120-1.5/2	40	320	75	113	119	456	240	45	135	185	325	167	M10	20	128	224	150	P	59
40/130-2.2/2	40	320	75	113	119	456	240	45	135	193	353	167	M10	20	151	224	150	P	63
40/150-3/2	40	320	75	113	119	456	240	45	135	217	388	167	M10	20	160	224	150	P	73
40/160-4/2	40	320	75	113	119	456	240	45	135	232	421	167	M10	20	168	224	150	P	87
40/165-4/2	40	340	100	120	127	587	400	52	145	220	413	170	M10	20	168	340	150	D	104
40/175-5.5/2	40	340	100	120	127	587	400	52	145	232	433	170	M10	20	168	340	150	D	104
40/195-7.5/2	40	440	110	145	147	692	500	38	192	279	515	220	M10	20	188	400	150	D	175
50/115-0.75/2	50	280	83	95	101	390	228	50	107	143	300	155	M10	20	120	194	150	P	41
50/120-1.5/2	50	340	86	120	130	500	240	48	132	185	327	190	M10	20	128	250	150	P	60
50/130-2.2/2	50	340	86	120	130	500	240	48	132	193	350	190	M10	20	151	250	150	P	64
50/140-3/2	50	340	86	120	130	500	240	48	132	217	390	190	M10	20	160	250	150	P	74
50/150-4/2	50	340	86	120	130	500	240	48	132	232	423	190	M10	20	168	250	150	P	88
50/155-4/2	50	340	105	108	116	532	360	52	148	232	463	170	M10	20	168	300	150	D	101
50/165-5.5/2	50	340	120	126	136	619	360	50	130	279	503	180	M10	20	188	340	150	D	148
50/175-5.5/2	50	340	120	126	136	619	360	50	130	279	503	180	M10	20	188	340	150	D	148
50/175-7.5/2	50	340	120	126	136	619	360	50	130	279	503	180	M10	20	188	340	150	D	164
50/185-7.5/2	50	440	120	145	148	693	500	50	200	279	521	220	M10	20	188	400	150	D	172
65/115-1.5/2	65	340	93	103	117	432	225	25	137	193	361	185	M10	20	151	212	150	P	66
65/120-2.2/2	65	340	93	125	135	550	240	43	137	193	356	185	M10	20	151	290	150	P	72
65/130-3/2	65	340	93	125	135	550	240	43	137	217	396	185	M10	20	160	290	150	P	82
65/140-4/2	65	340	93	125	135	550	240	43	137	232	429	185	M10	20	168	290	150	P	96
65/145-5.5/2	65	340	120	121	130	619	400	50	150	279	521	170	M12	20	188	340	150	D	153
65/155-5.5/2	65	340	120	121	130	619	400	50	150	279	521	170	M12	20	188	340	150	D	154
65/155-7.5/2	65	340	120	121	130	619	400	50	150	279	521	170	M12	20	188	340	150	D	170
65/165-5.5/2	65	430	153	134	144	679	440	55	185	279	521	215	M12	20	188	400	150	D	169
65/175-5.5/2	65	430	153	134	144	679	440	55	185	279	521	215	M12	20	188	400	150	D	169
65/175-7.5/2	65	430	153	134	144	679	440	55	185	279	521	215	M12	20	188	400	150	D	185
80/115-2.2/2	80	360	100	113	132	480	240	43	137	193	378	205	M10	20	151	235	150	P	76
80/130-3/2	80	360	103	134	147	601	240	30	150	217	402	192	M10	20	160	320	150	P	85
80/140-4/2	80	360	103	134	147	601	240	30	150	232	435	192	M10	20	168	320	150	P	99
80/145-5.5/2	80	400	155	134	146	630	400	62	178	279	528	200	M12	20	188	350	150	D	168
80/155-7.5/2	80	400	155	134	146	630	400	62	178	279	528	200	M12	20	188	350	150	D	184

l1 : Versiyon N için, l1 boyu kullanılan spesifik motorun ölçülerine bağlıdır.
*çark malzemesi : D dökme demir, P plastik

Değişiklik yapma hakkı saklıdır 2010 WILO A.Ş.

Wilo-VeroTwin-DPL Ölçüler, Ağırlıklar

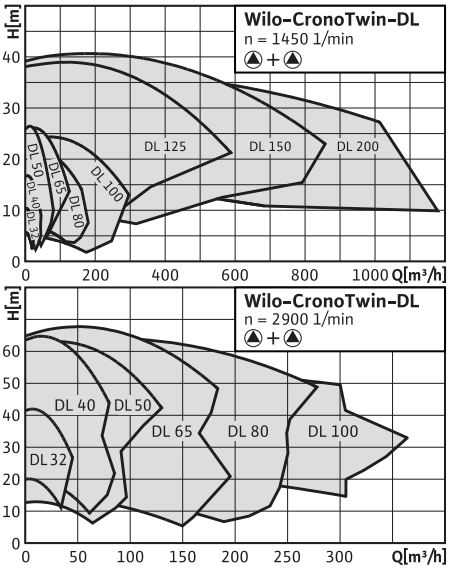
Flanş Ölçüleri

Wilo-VeroTwin-DPL ...	Nominal Flanş Çapı	Pompa Flanş Ölçüleri			
	DN	Ø D	Ø d	Ø k	n x Ø d_L
	–	[mm]			[delik adeti x mm]
32...	32	140	78	100	4 x 19
40...	40	150	88	110	4 x 19
50...	50	165	102	125	4 x 19
65...	65	185	122	145	4 x 19
80...	80	200	138	160	8 x 19
100...	100	220	156	180	8 x 19

EN 1902-2'ye göre PN16 delikli

Wilo-CronoTwin-DL





Dizayn

Flanş bağlantılı, kuru rotorlu (salmastralı), kaplinli, laternalı, norm motorlu, inline tip ikiz pompa

Uygulama

Isıtma , soğutma ve iklimlendirme tesisatları

Pompa Kodlaması

Örnek : **DL 40/160-4/2**

DL	Inline ikiz pompa
40/	Nominal bağlantı çapı DN
160	Nominal çark çapı
4	Nominal motor gücü P_2, kW
2	Kutup sayısı

Ürün Özellikleri / Faydalar

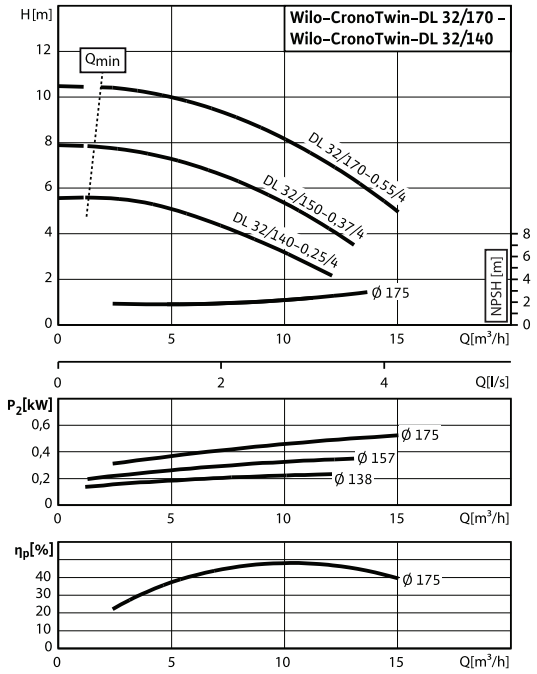
- Optimize edilmiş verimlilik ile ömür boyu maliyette düşüş
- Kataforez kaplama ile yüksek korozyon dayanımı
- Optimize edilmiş tasarımıyla laternadan kondensatın direkt tahliye edilebilmesi ile, soğutma tesisatlarında kullanım rahatlığı
- Motor gövdesindeki standart kondensat drenaj delikleri ile uzun motor ömrü
- Cebri soğutmalı iki yönlü mekanik salmastra
- Gövde üzerindeki ayaklar ile kolay montaj
- Standart motorlar (IEC) ve salmastra kullanımı ile servis kolaylığı

Değişiklik yapma hakkı saklıdır 2010 WILO A.Ş.

Wilo-CronoTwin-DL Karakteristik Eğriler

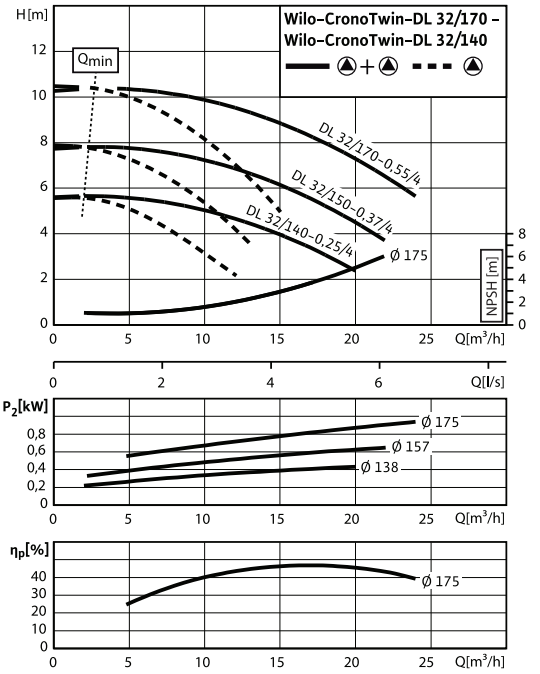
Wilo-CronoTwin-DL 32/140-0,25/4 - 32/170-0,55/4

Devir hızı 1450 d/d - tekli işletim



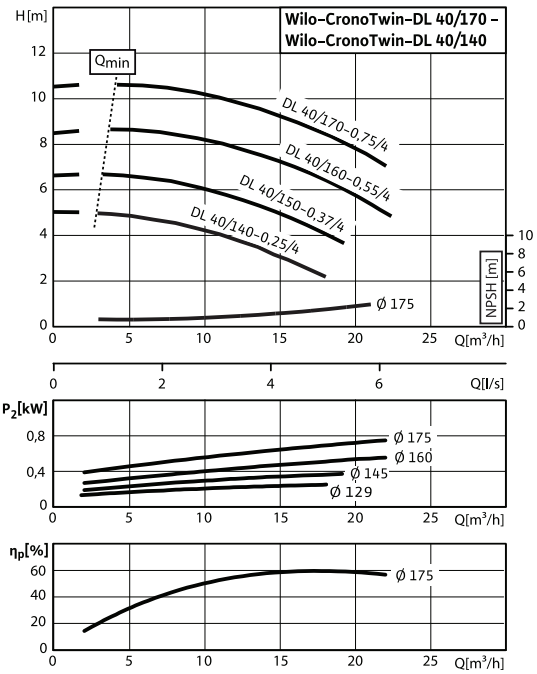
Wilo-CronoTwin-DL 32/140-0,25/4 - 32/170-0,55/4

Devir hızı 1450 d/d - paralel işletim



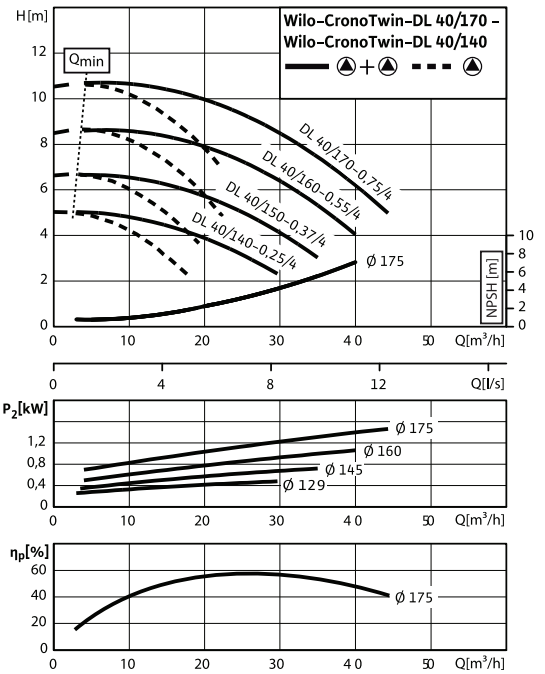
Wilo-CronoTwin-DL 40/140-0,25/4 - 40/170-0,75/4

Devir hızı 1450 d/d - tekli işletim



Wilo-CronoTwin-DL 40/140-0,25/4 - 40/170-0,75/4

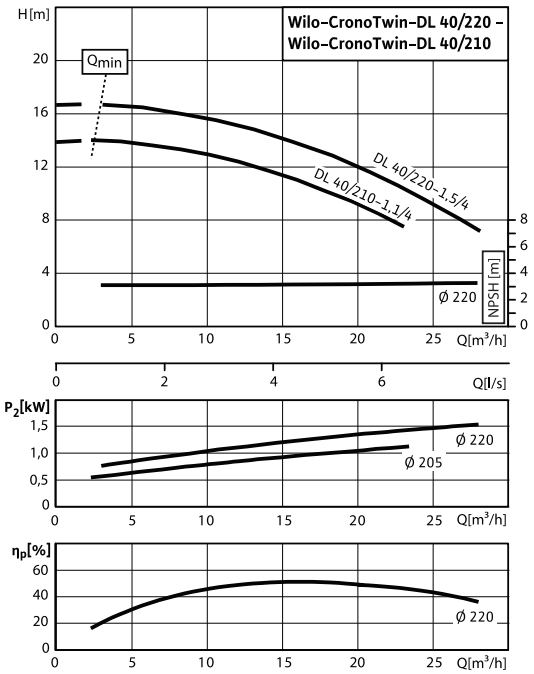
Devir hızı 1450 d/d - paralel işletim



Wilo-CronoTwin-DL Karakteristik Eğriler

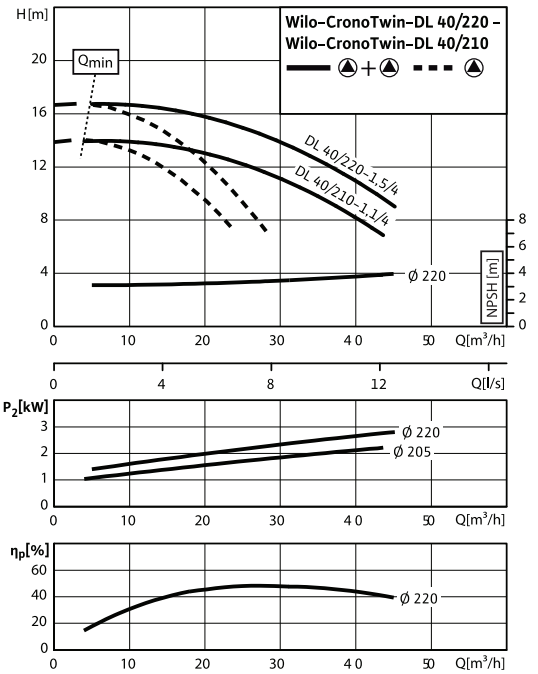
Wilo-CronoTwin-DL 40/210-1,1/4 – 40/220-1,5/4

Devir hızı 1450 d/d – tekli işletim



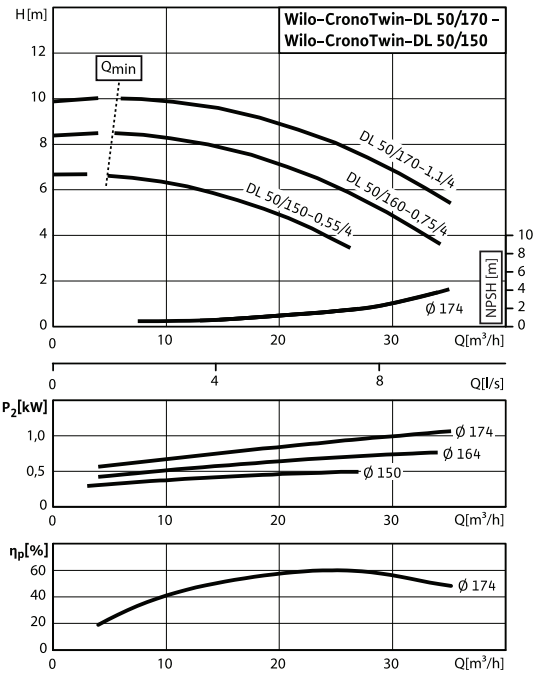
Wilo-CronoTwin-DL 40/210-1,1/4 – 40/220-1,5/4

Devir hızı 1450 d/d – paralel işletim



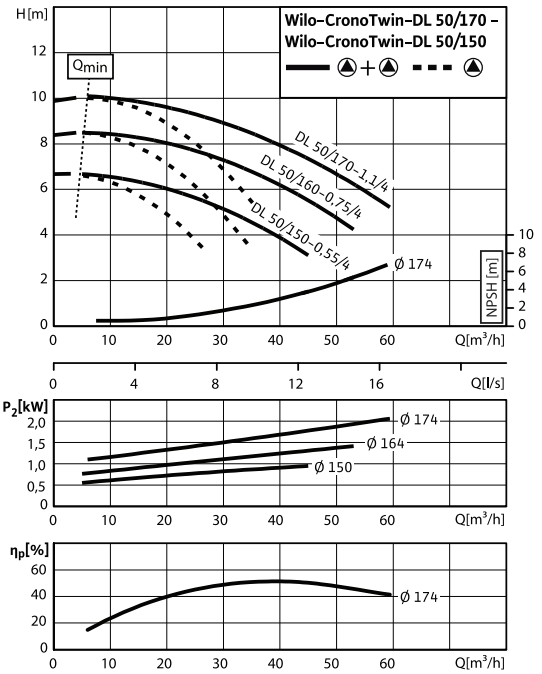
Wilo-CronoTwin-DL 50/150-0,55/4 – 50/170-1,1/4

Devir hızı 1450 d/d – tekli işletim



Wilo-CronoTwin-DL 50/150-0,55/4 – 50/170-1,1/4

Devir hızı 1450 d/d – paralel işletim

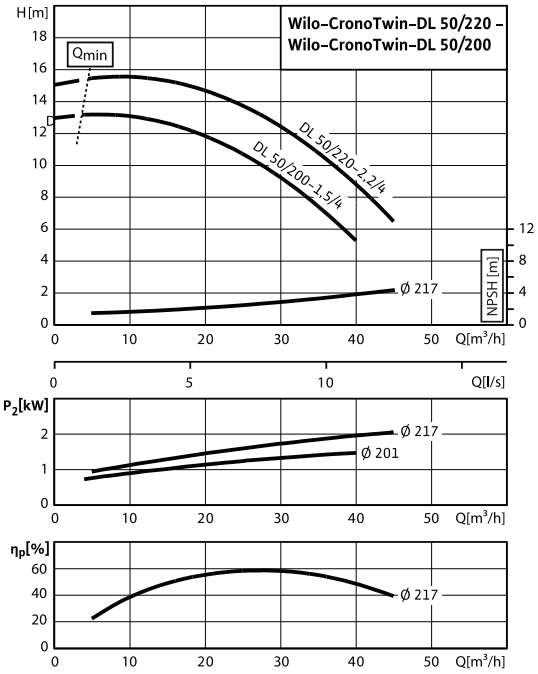


Değişiklik yapma hakkı saklıdır 2010 WILO A.Ş.

Wilo-CronoTwin-DL Karakteristik Eğriler

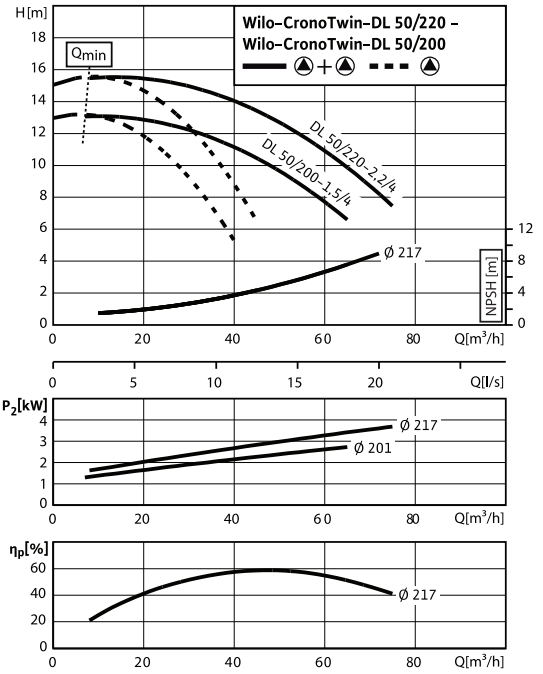
Wilo-CronoTwin-DL 50/200-1,5/4 - 50/220-2,2/4

Devir hızı 1450 d/d - tekli işletim



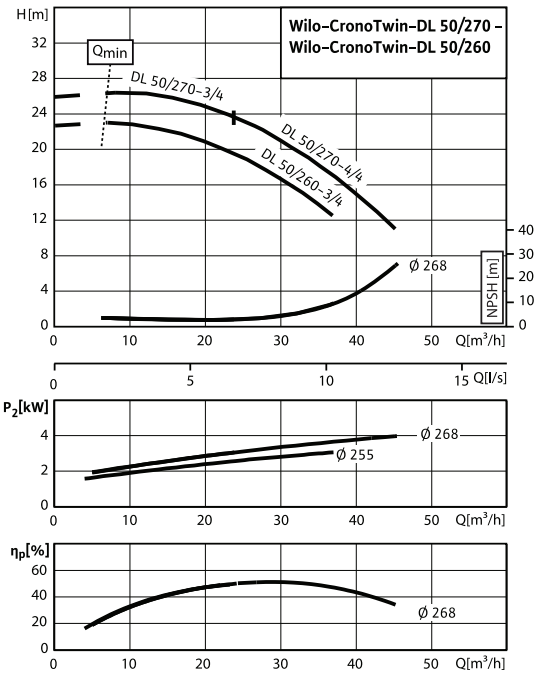
Wilo-CronoTwin-DL 50/200-1,5/4 - 50/220-2,2/4

Devir hızı 1450 d/d - paralel işletim



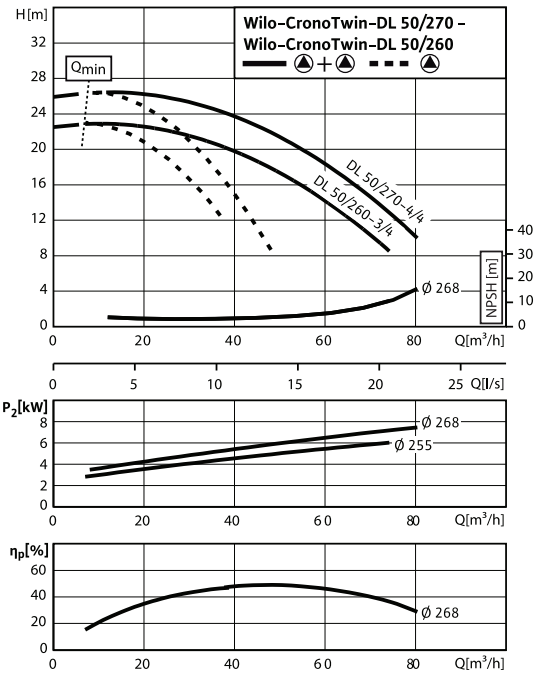
Wilo-CronoTwin-DL 50/260-3/4 - 50/270-4/4

Devir hızı 1450 d/d - tekli işletim



Wilo-CronoTwin-DL 50/260-3/4 - 50/270-4/4

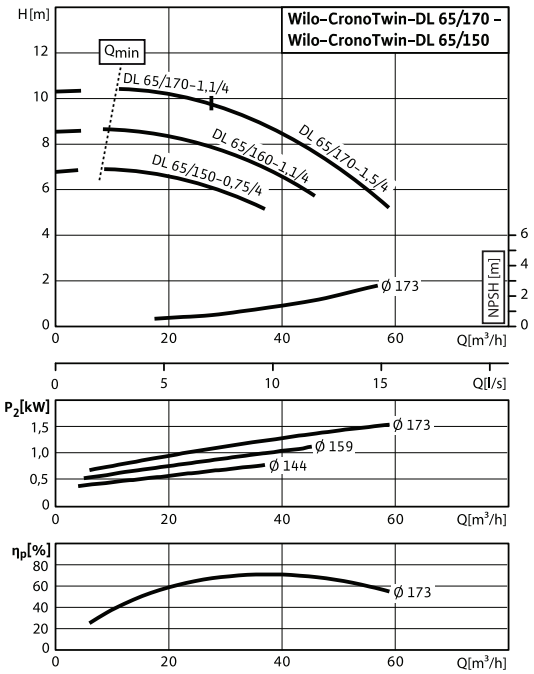
Devir hızı 1450 d/d - paralel işletim



Wilo-CronoTwin-DL Karakteristik Eğriler

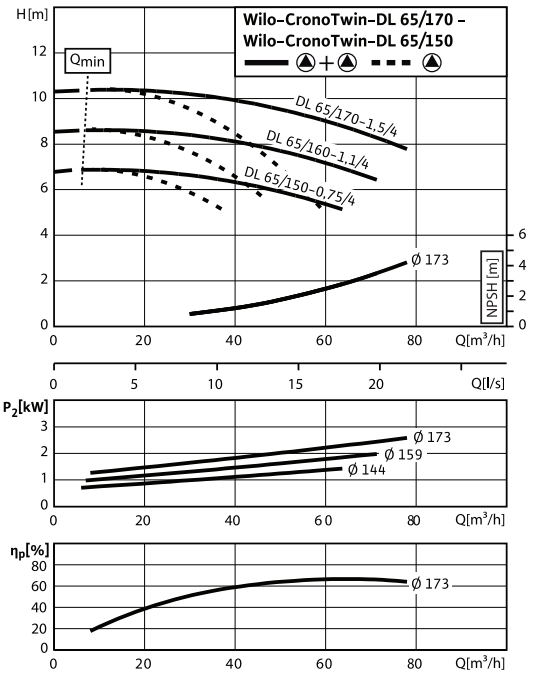
Wilo-CronoTwin-DL 65/150-0,75/4 - 65/170-1,5/4

Devir hızı 1450 d/d - tekli işletim



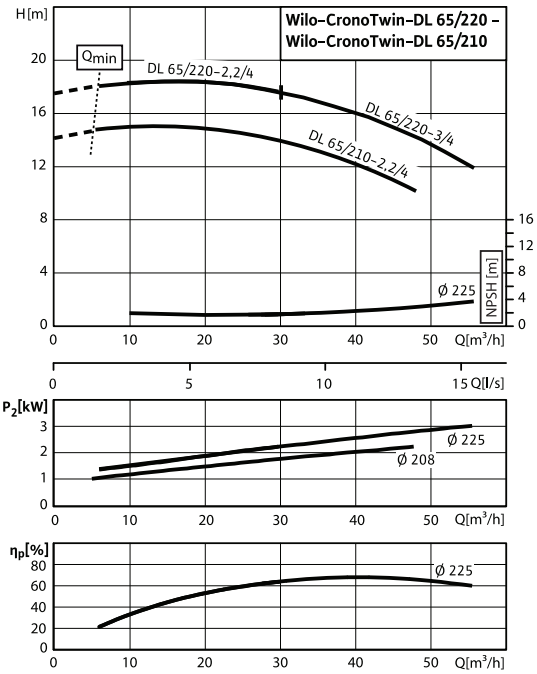
Wilo-CronoTwin-DL 65/150-0,75/4 - 65/170-1,5/4

Devir hızı 1450 d/d - paralel işletim



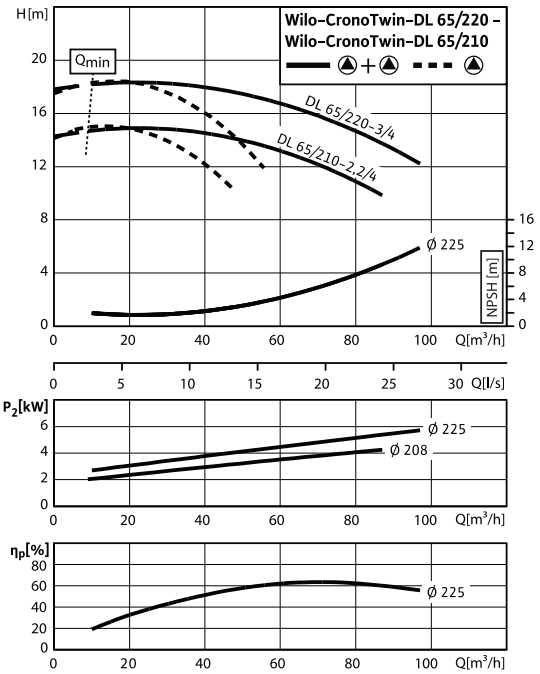
Wilo-CronoTwin-DL 65/210-2,2/4 - 65/220-3/4

Devir hızı 1450 d/d - tekli işletim



Wilo-CronoTwin-DL 65/210-2,2/4 - 65/220-3/4

Devir hızı 1450 d/d - paralel işletim

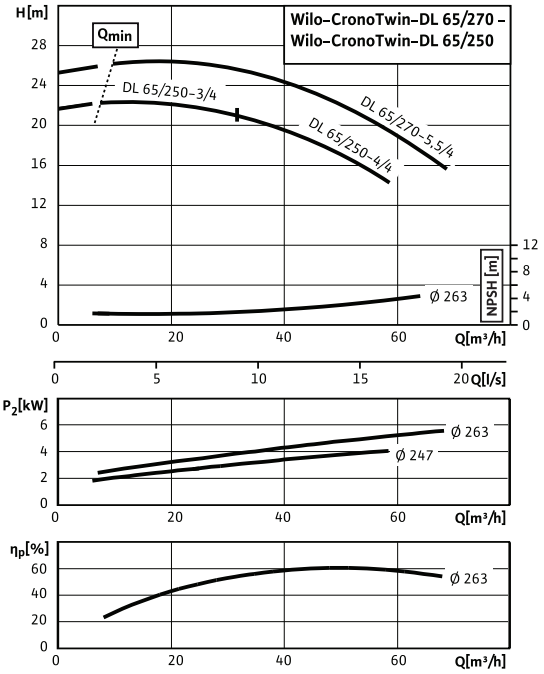


Değişiklik yapma hakkı saklıdır 2010 WILO A.Ş.

Wilo-CronoTwin-DL Karakteristik Eğriler

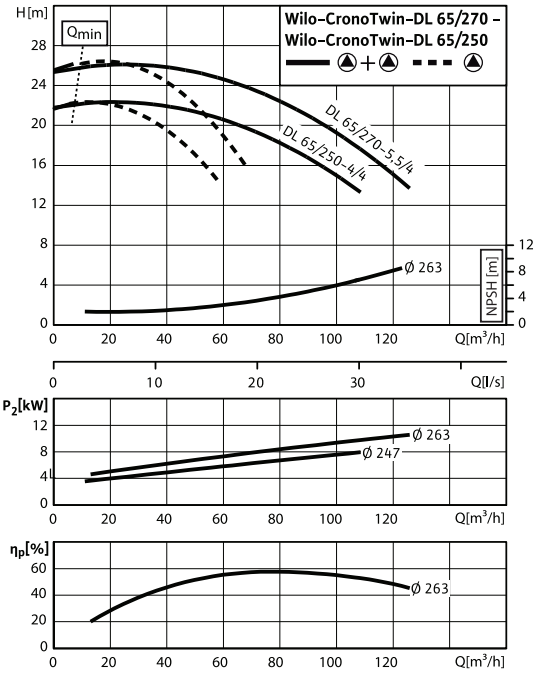
Wilo-CronoTwin-DL 65/250-3/4 - 65/270-5,5/4

Devir hızı 1450 d/d - tekli işletim



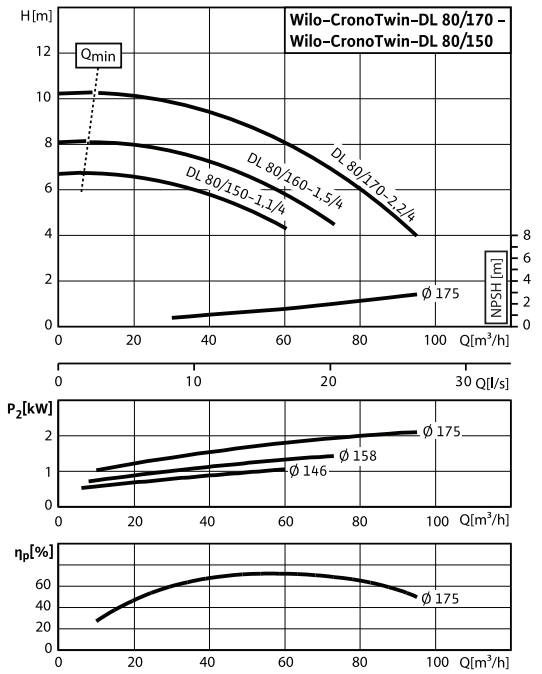
Wilo-CronoTwin-DL 65/250-3/4 - 65/270-5,5/4

Devir hızı 1450 d/d - paralel işletim



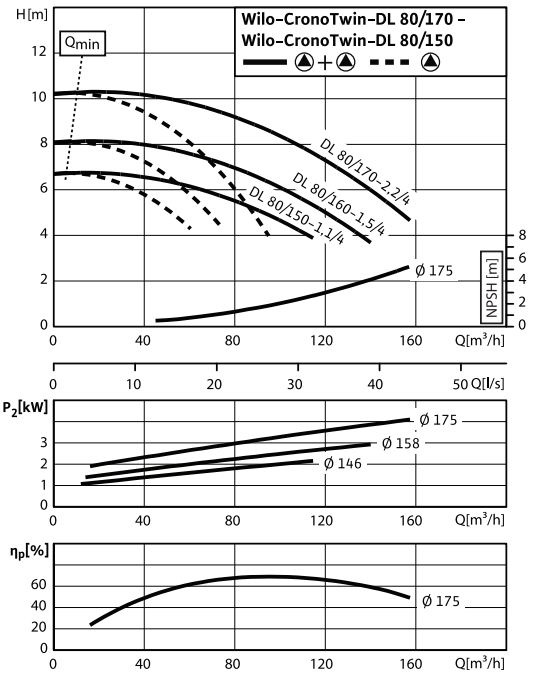
Wilo-CronoTwin-DL 80/150-1,1/4 - 80/170-2,2/4

Devir hızı 1450 d/d - tekli işletim



Wilo-CronoTwin-DL 80/150-1,1/4 - 80/170-2,2/4

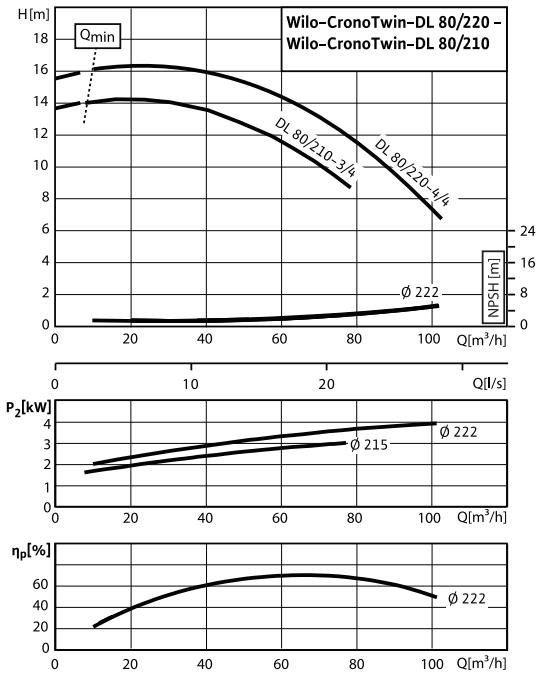
Devir hızı 1450 d/d - paralel işletim



Wilo-CronoTwin-DL Karakteristik Eğriler

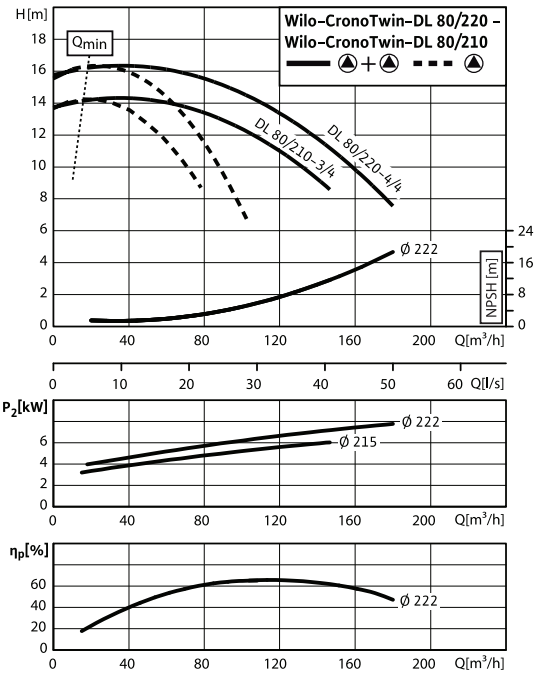
Wilo-CronoTwin-DL 80/210-3/4 - 80/220-4/4

Devir hızı 1450 d/d - tekli işletim



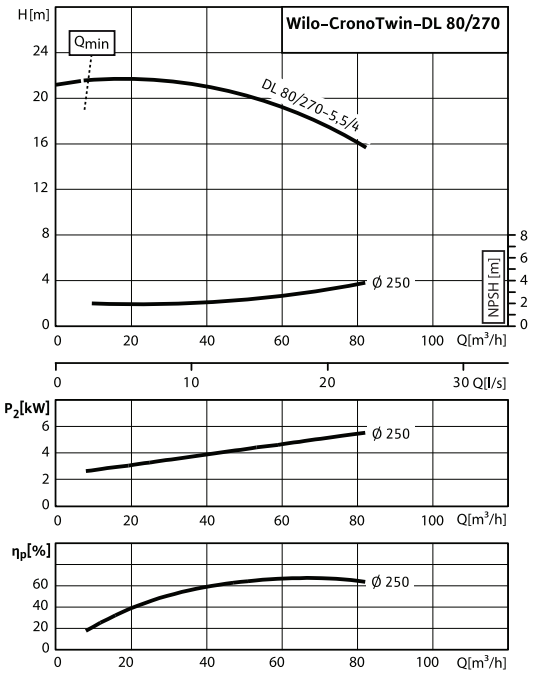
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Devir hızı 1450 d/d - paralel işletim



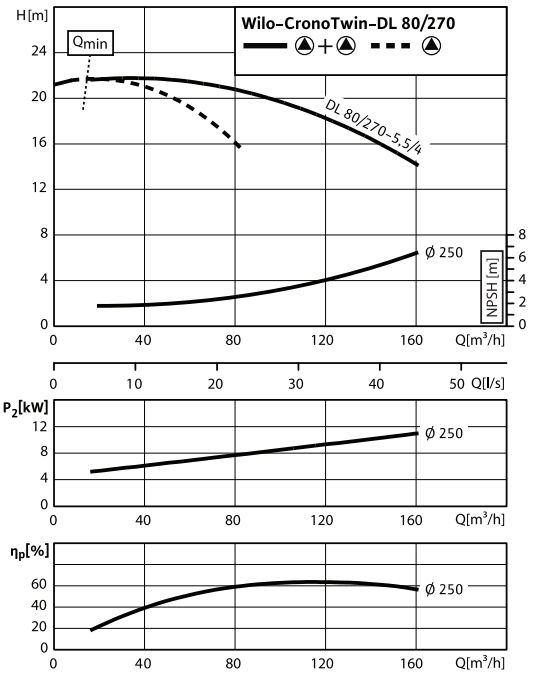
Wilo-CronoTwin-DL 80/270-5,5/4

Devir hızı 1450 d/d - tekli işletim



Wilo-CronoTwin-DL 80/270-5,5/4

Devir hızı 1450 d/d - paralel işletim

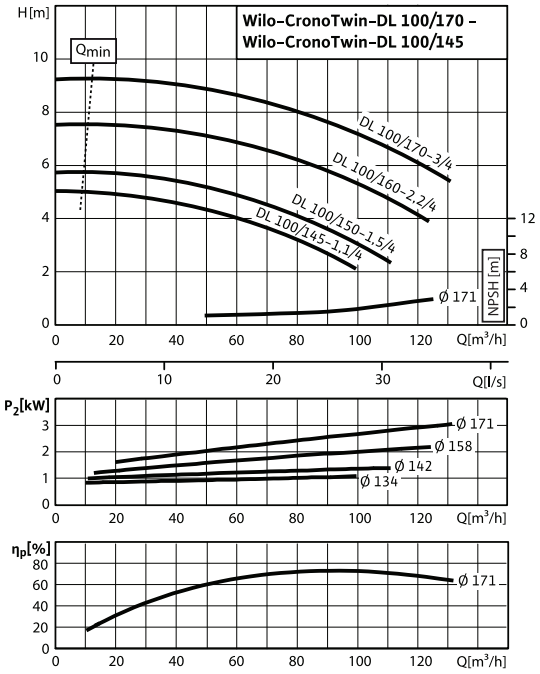


Değişiklik yapma hakkı saklıdır 2010 WILO A.Ş.

Wilo-CronoTwin-DL Karakteristik Eğriler

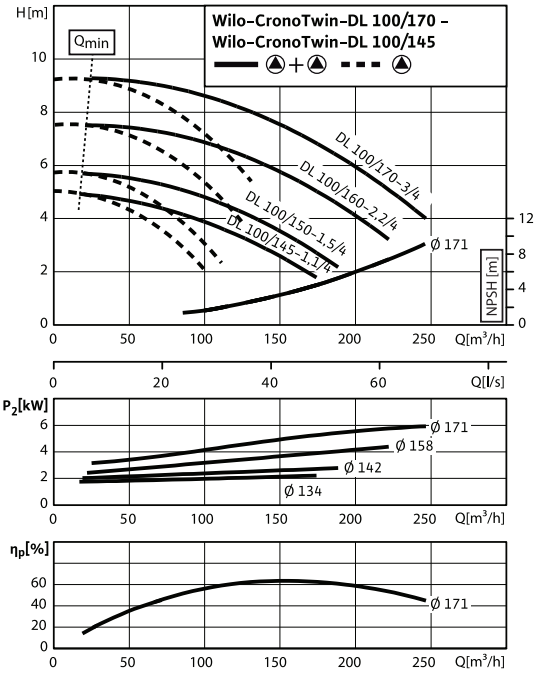
Wilo-CronoTwin-DL 100/145-1,1/4 - 100/170-3/4

Devir hızı 1450 d/d - tekli işletim



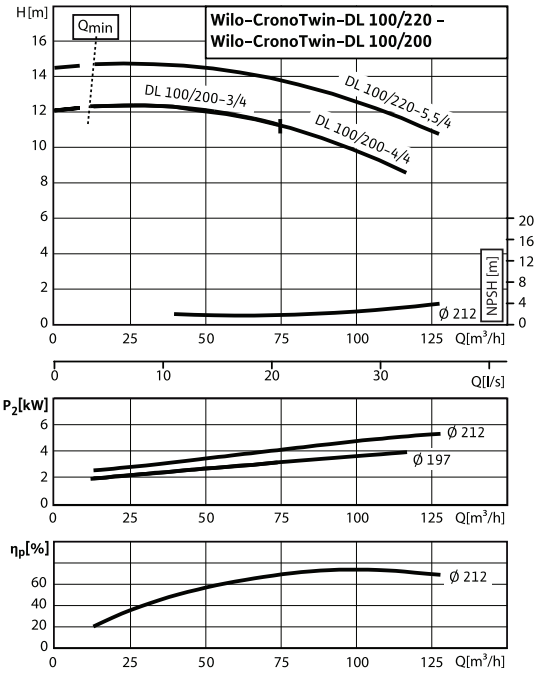
Wilo-CronoTwin-DL 100/145-1,1/4 - 100/170-3/4

Devir hızı 1450 d/d - paralel işletim



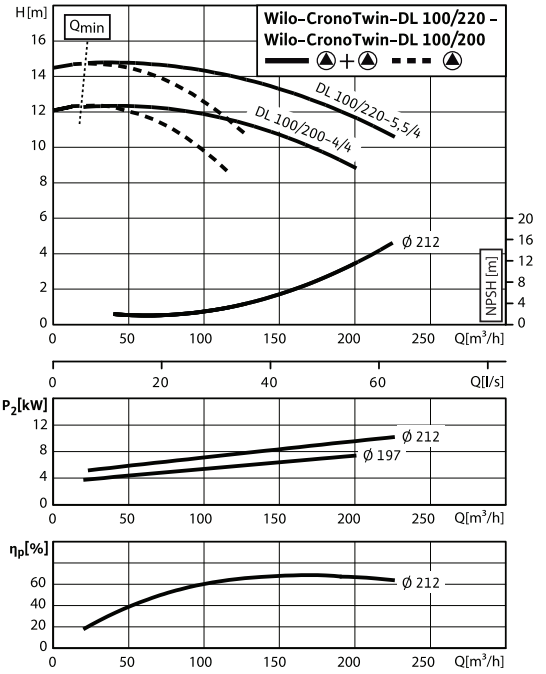
Wilo-CronoTwin-DL 100/200-3/4 - 100/220-5,5/4

Devir hızı 1450 d/d - tekli işletim



Wilo-CronoTwin-DL 100/200-3/4 - 100/220-5,5/4

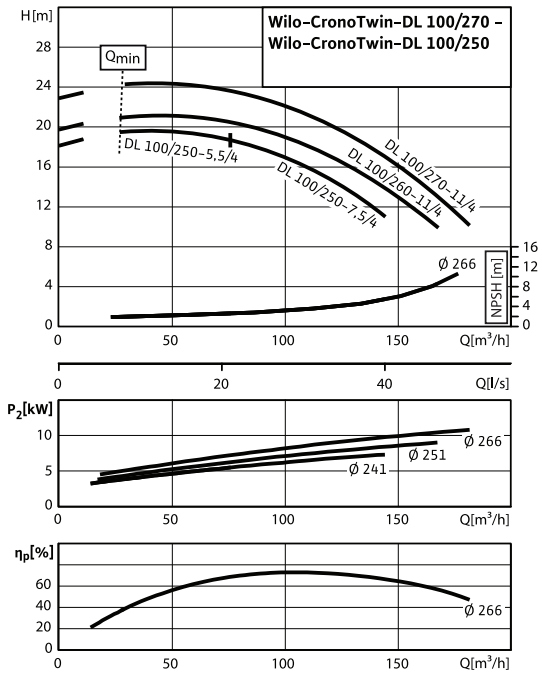
Devir hızı 1450 d/d - paralel işletim



Wilo-CronoTwin-DL Karakteristik Eğriler

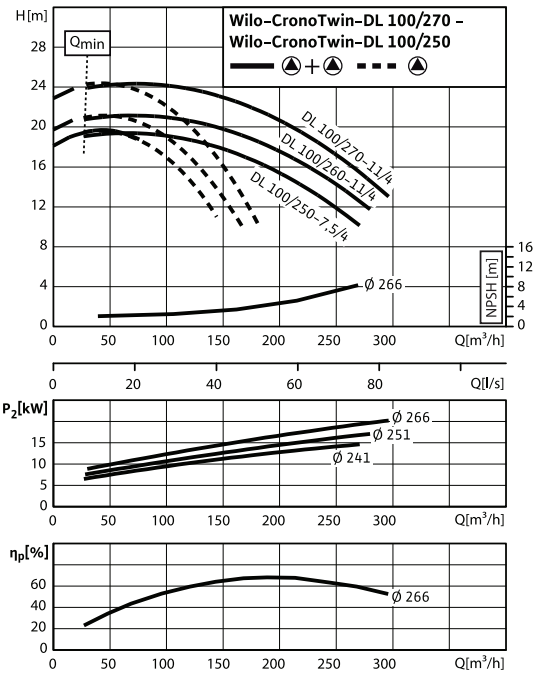
Wilo-CronoTwin-DL 100/250-5,5/4 - 100/270-11/4

Devir hızı 1450 d/d - tekli işletim



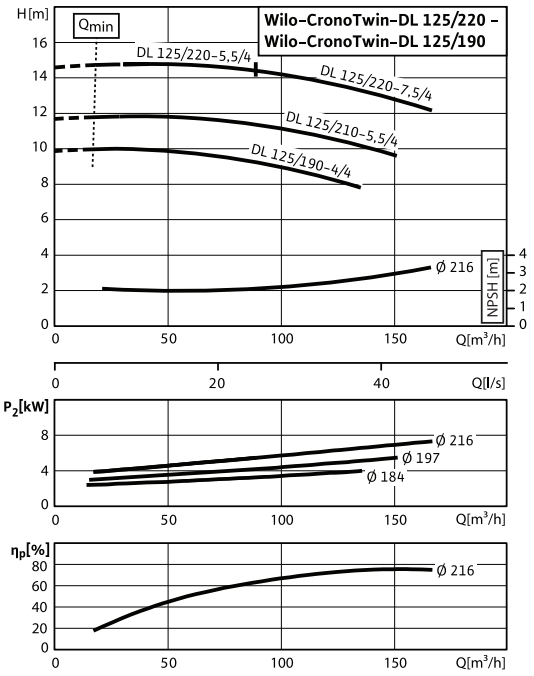
Wilo-CronoTwin-DL 100/250-5,5/4 - 100/270-11/4

Devir hızı 1450 d/d - paralel işletim



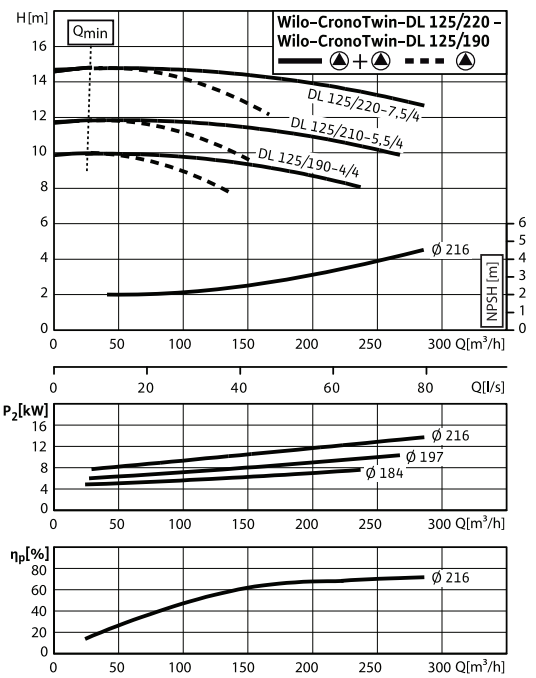
Wilo-CronoTwin-DL 125/190-4/4 - 125/220-7,5/4

Devir hızı 1450 d/d - tekli işletim



Wilo-CronoTwin-DL 125/190-4/4 - 125/220-7,5/4

Devir hızı 1450 d/d - paralel işletim

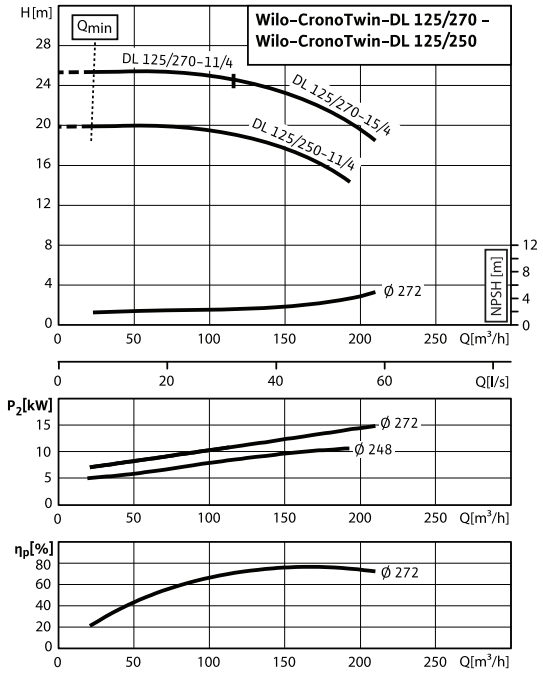


Değişiklik yapma hakkı saklıdır 2010 WILO A.Ş.

Wilo-CronoTwin-DL Karakteristik Eğriler

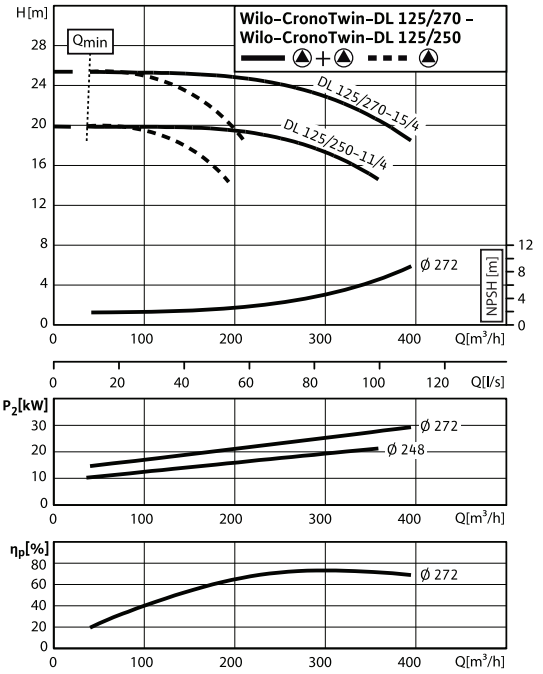
Wilo-CronoTwin-DL 125/250-11/4 – 125/270-15/4

Devir hızı 1450 d/d – tekli işletim



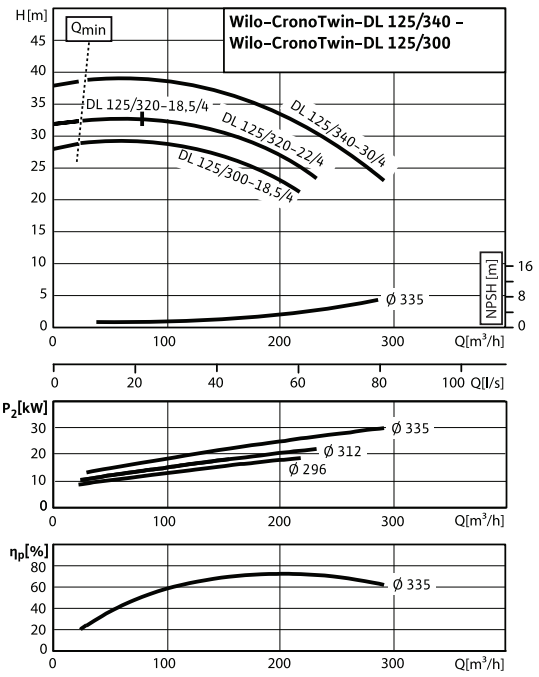
Wilo-CronoTwin-DL 125/250-11/4 – 125/270-15/4

Devir hızı 1450 d/d – paralel işletim



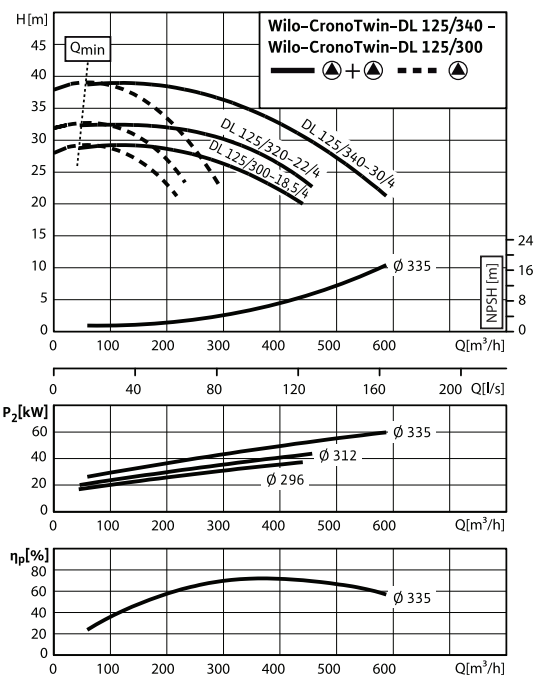
Wilo-CronoTwin-DL 125/300-18,5/4 – 125/340-30/4

Devir hızı 1450 d/d – tekli işletim



Wilo-CronoTwin-DL 125/300-18,5/4 – 125/340-30/4

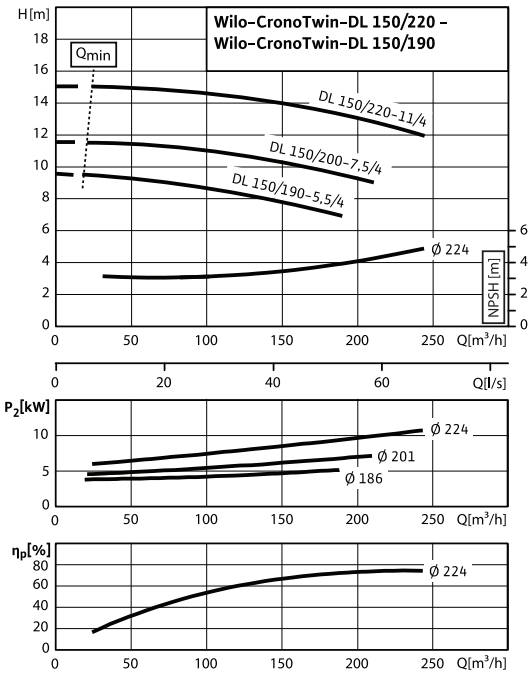
Devir hızı 1450 d/d – paralel işletim



Wilo-CronoTwin-DL Karakteristik Eğriler

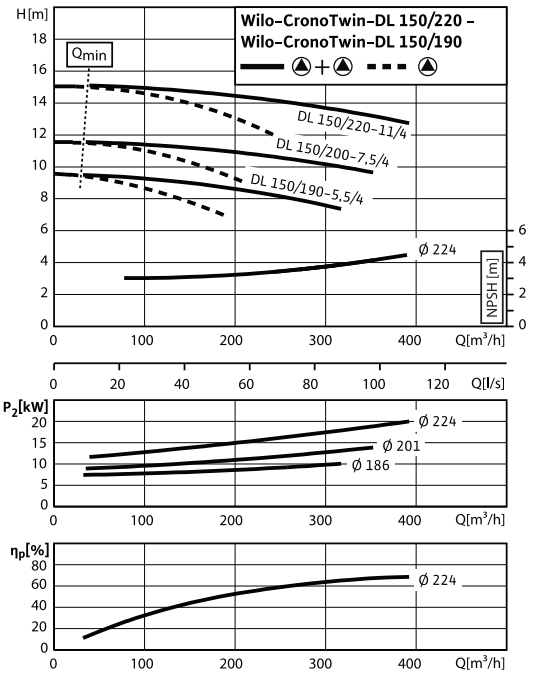
Wilo-CronoTwin-DL 150/190-5,5/4 - 150/220-11/4

Devir hızı 1450 d/d - tekli işletim



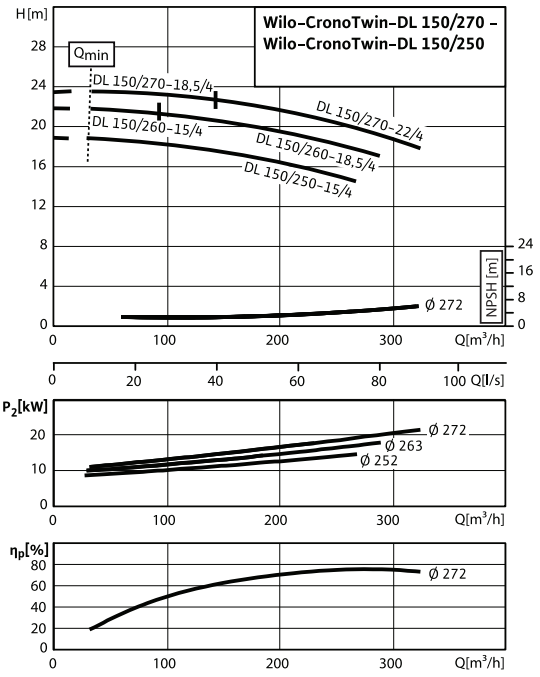
Wilo-CronoTwin-DL 150/190-5,5/4 - 150/220-11/4

Devir hızı 1450 d/d - paralel işletim



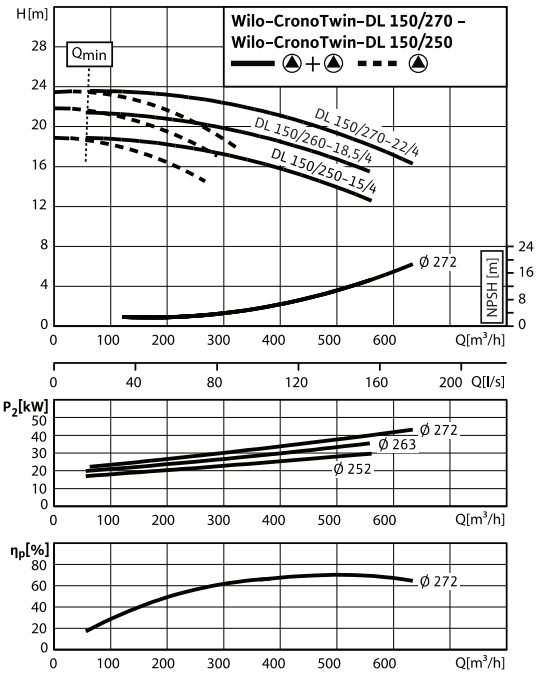
Wilo-CronoTwin-DL 150/250-15/4 - 150/270-22/4

Devir hızı 1450 d/d - tekli işletim



Wilo-CronoTwin-DL 150/250-15/4 - 150/270-22/4

Devir hızı 1450 d/d - paralel işletim

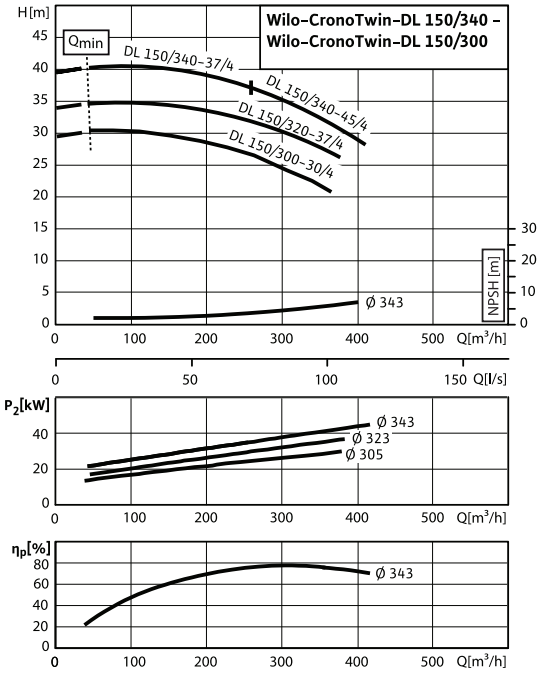


Değişiklik yapma hakkı saklıdır 2010 WILO A.Ş.

Wilo-CronoTwin-DL Karakteristik Eğriler

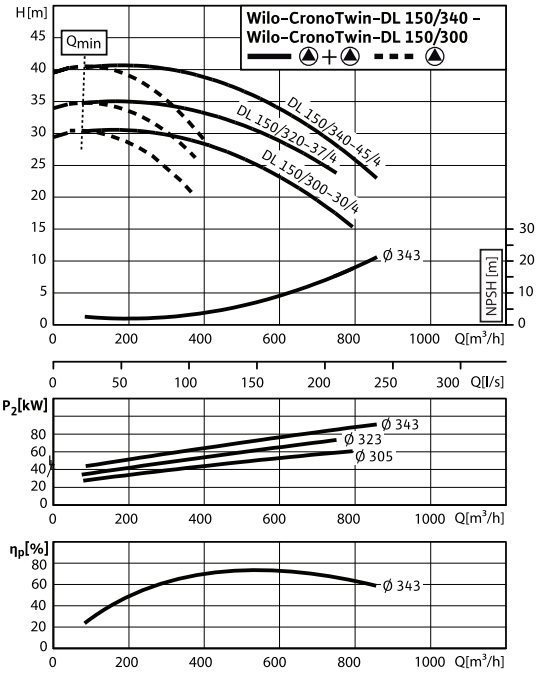
Wilo-CronoTwin-DL 150/300-30/4 – 150/340-45/4

Devir hızı 1450 d/d – tekli işletim



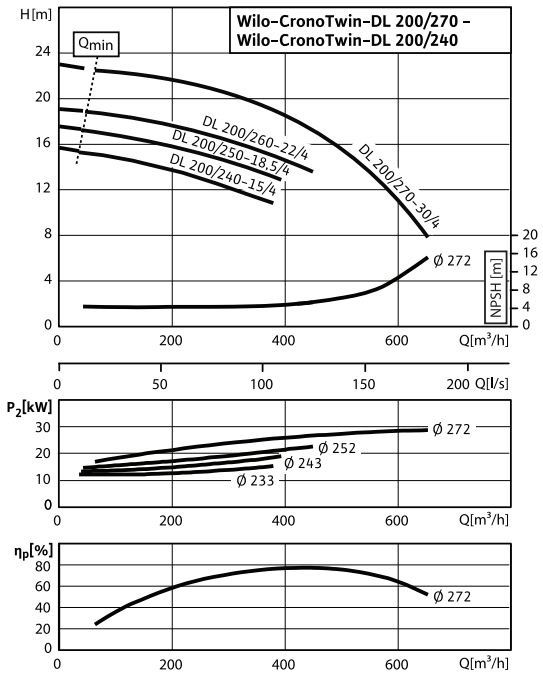
Wilo-CronoTwin-DL 150/300-30/4 – 150/340-45/4

Devir hızı 1450 d/d – paralel işletim



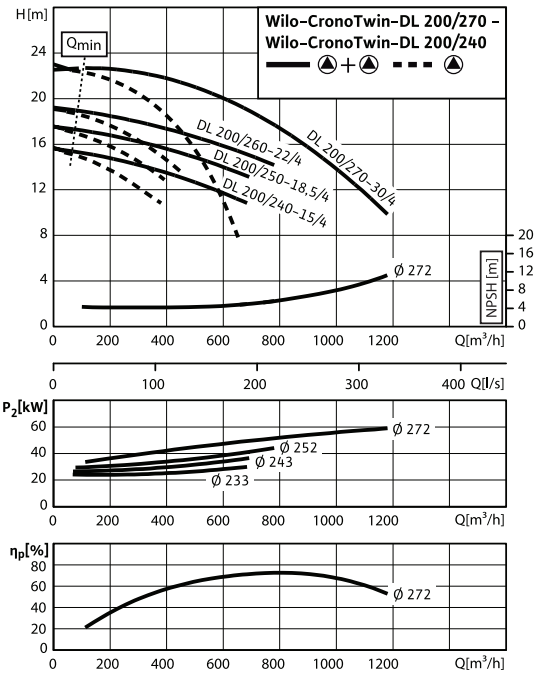
Wilo-CronoTwin-DL 200/240-15/4 – 200/270-30/4

Devir hızı 1450 d/d – tekli işletim



Wilo-CronoTwin-DL 200/240-15/4 – 200/270-30/4

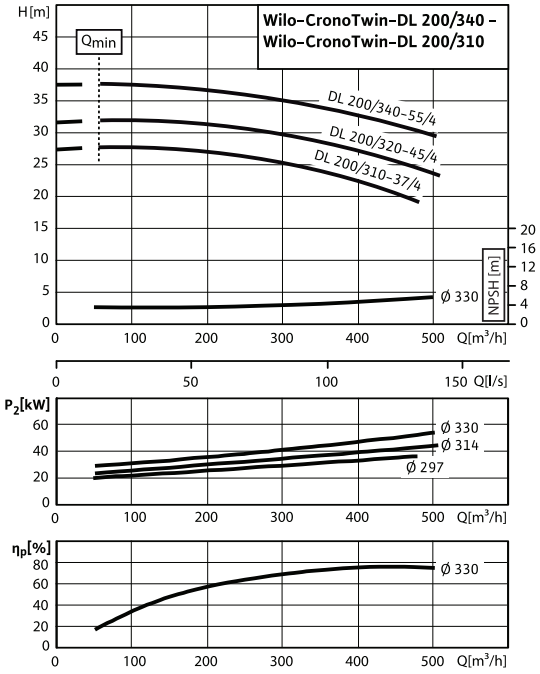
Devir hızı 1450 d/d – paralel işletim



Wilo-CronoTwin-DL Karakteristik Eğriler

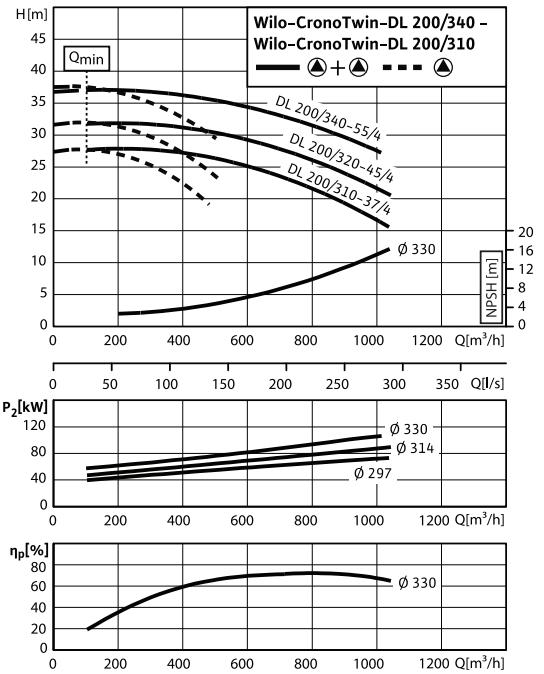
Wilo-CronoTwin-DL 200/310-37/4 - 200/340-55/4

Devir hızı 1450 d/d - tekli işletim



Wilo-CronoTwin-DL 200/310-37/4 - 200/340-55/4

Devir hızı 1450 d/d - paralel işletim

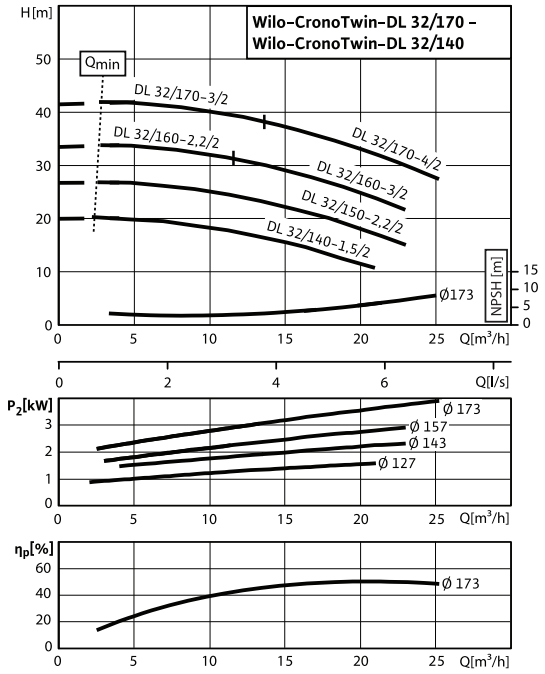


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Wilo-CronoTwin-DL Karakteristik Eğriler

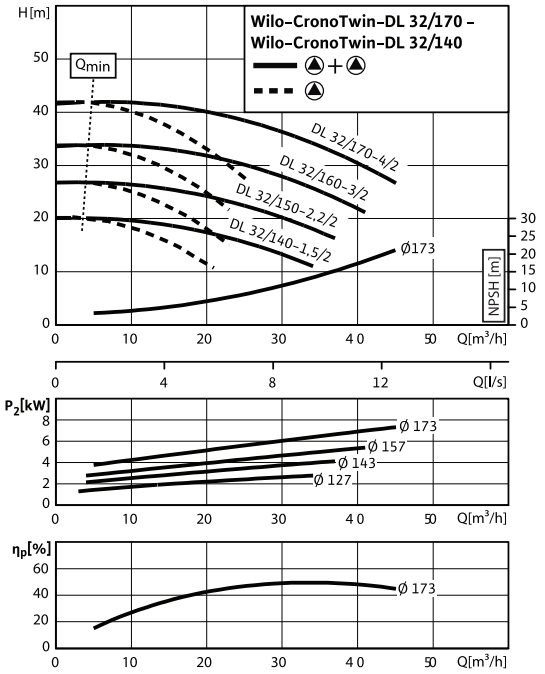
Wilo-CronoTwin-DL 32/140-1,5/2 - 32/170-4/2

Devir hızı 2900 d/d - tekli işletim



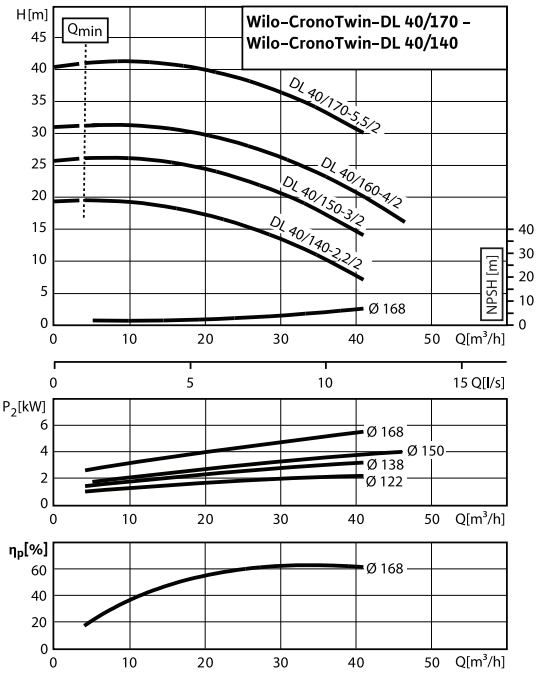
Wilo-CronoTwin-DL 32/140-1,5/2 - 32/170-4/2

Devir hızı 2900 d/d - paralel işletim



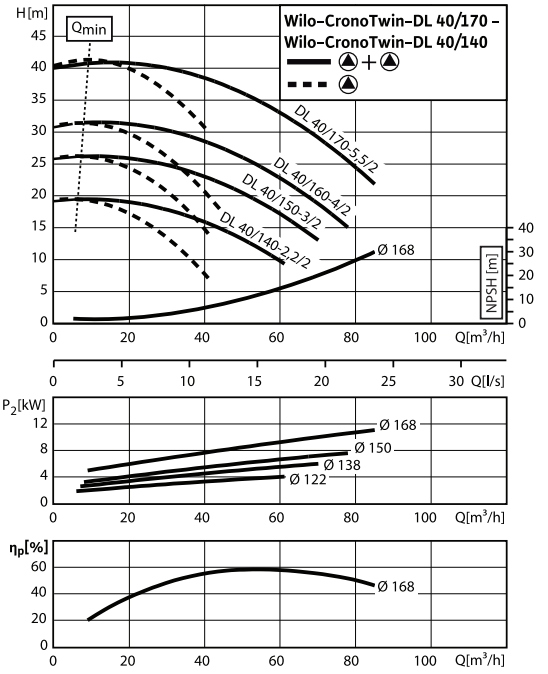
Wilo-CronoTwin-DL 40/140-2,2/2 - 40/170-5,5/2

Devir hızı 2900 d/d - tekli işletim



Wilo-CronoTwin-DL 40/140-2,2/2 - 40/170-5,5/2

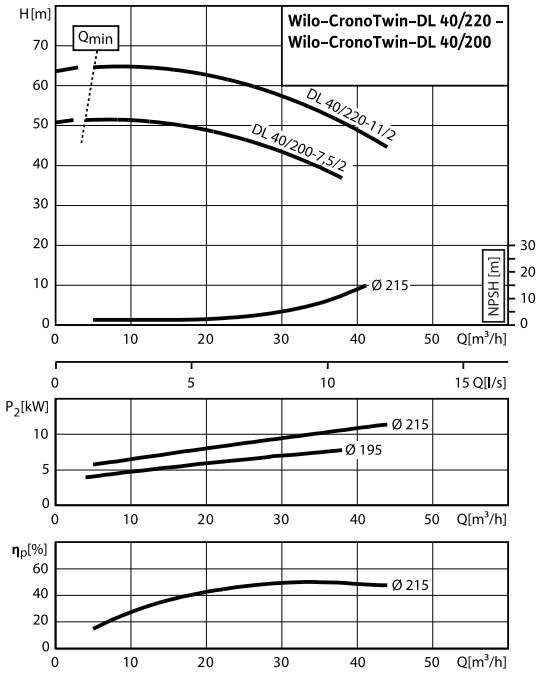
Devir hızı 2900 d/d - paralel işletim



Wilo-CronoTwin-DL Karakteristik Eğriler

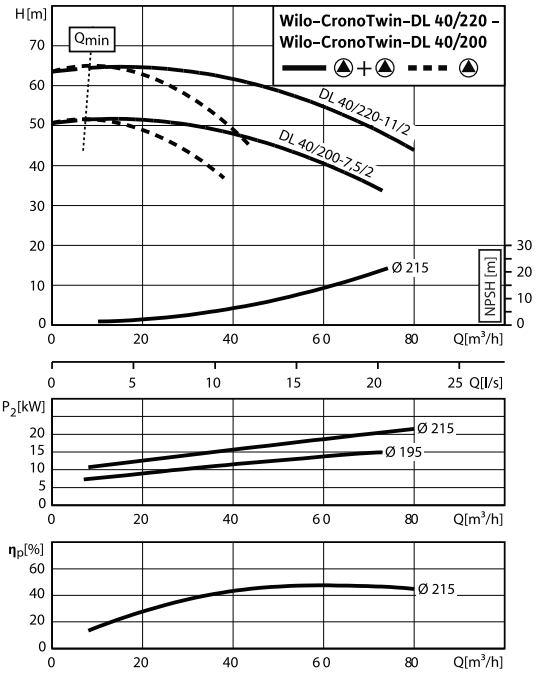
Wilo-CronoTwin-DL 40/200-7,5/2 – 40/220-11/2

Devir hızı 2900 d/d – tekli işletim



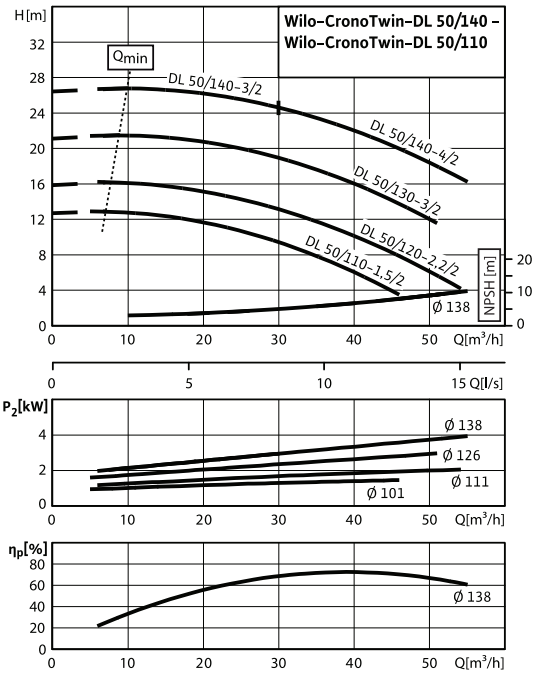
Wilo-CronoTwin-DL 40/200-7,5/2 – 40/220-11/2

Devir hızı 2900 d/d – paralel işletim



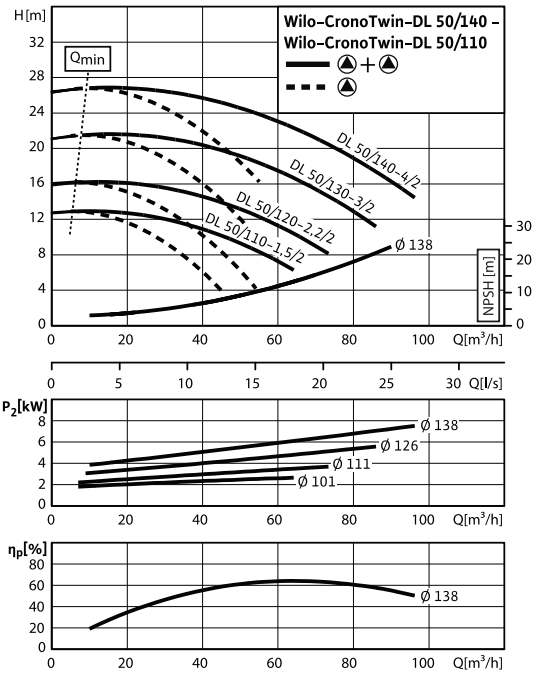
Wilo-CronoTwin-DL 50/110-1,5/2 – 50/140-4/2

Devir hızı 2900 d/d – tekli işletim



Wilo-CronoTwin-DL 50/110-1,5/2 – 50/140-4/2

Devir hızı 2900 d/d – paralel işletim

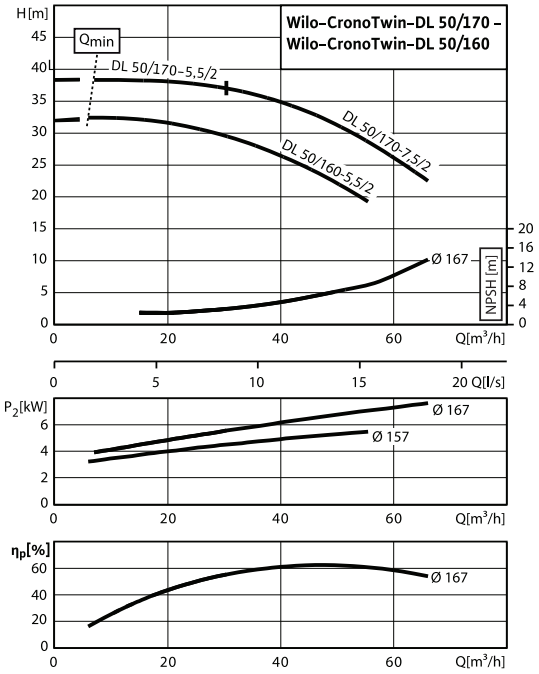


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Wilo-CronoTwin-DL Karakteristik Eğriler

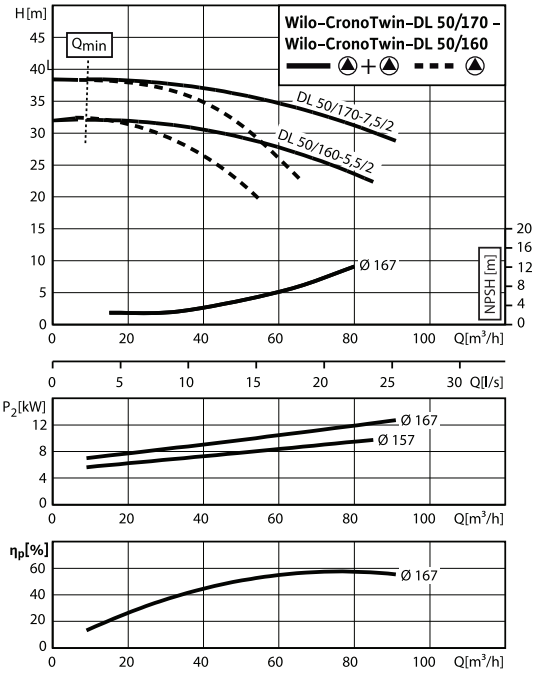
Wilo-CronoTwin-DL 50/160-5,5/2 – 50/170-7,5/2

Devir hızı 2900 d/d – tekli işletim



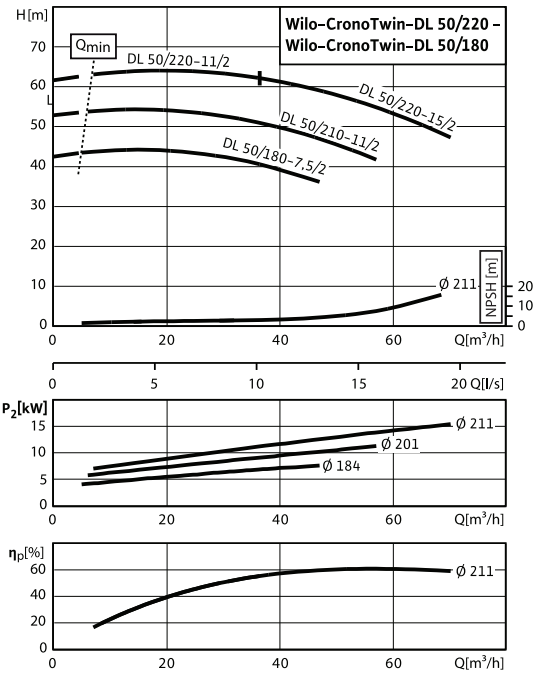
Wilo-CronoTwin-DL 50/160-5,5/2 – 50/170-7,5/2

Devir hızı 2900 d/d – paralel işletim



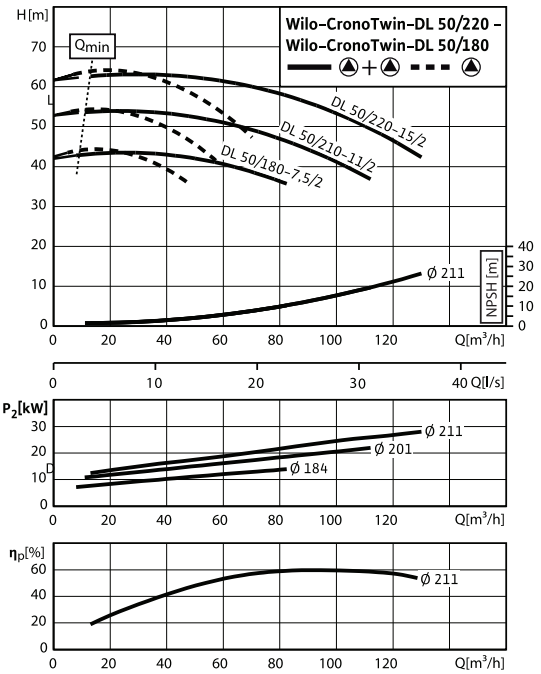
Wilo-CronoTwin-DL 50/180-7,5/2 – 50/220-15/2

Devir hızı 2900 d/d – tekli işletim



Wilo-CronoTwin-DL 50/180-7,5/2 – 50/220-15/2

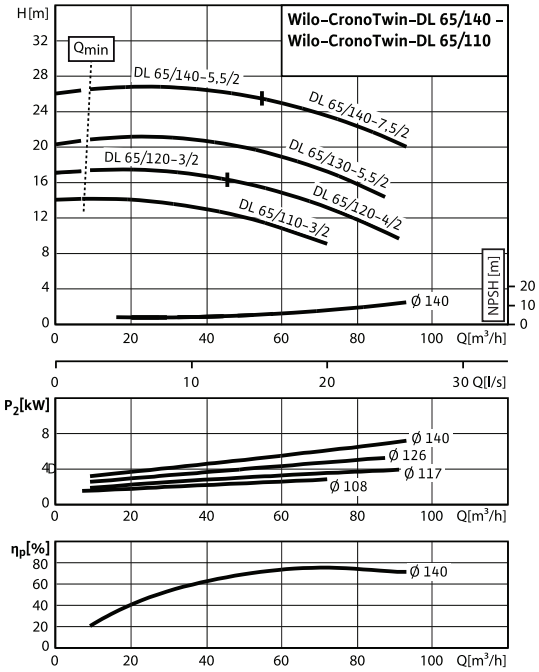
Devir hızı 2900 d/d – paralel işletim



Wilo-CronoTwin-DL Karakteristik Eğriler

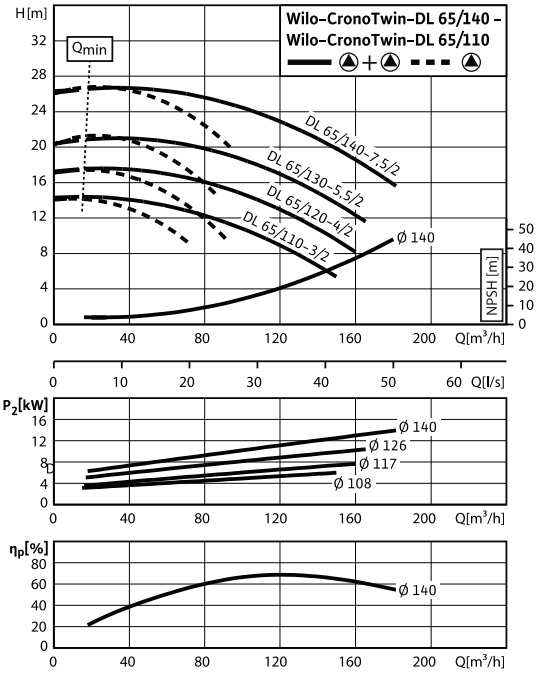
Wilo-CronoTwin-DL 65/110-3/2 - 65/140-7,5/2

Devir hızı 2900 d/d - tekli işletim



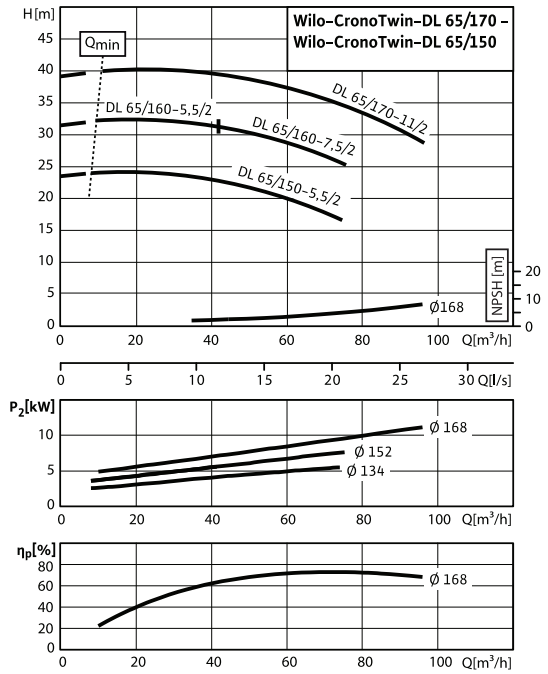
Wilo-CronoTwin-DL 65/110-3/2 - 65/140-7,5/2

Devir hızı 2900 d/d - paralel işletim



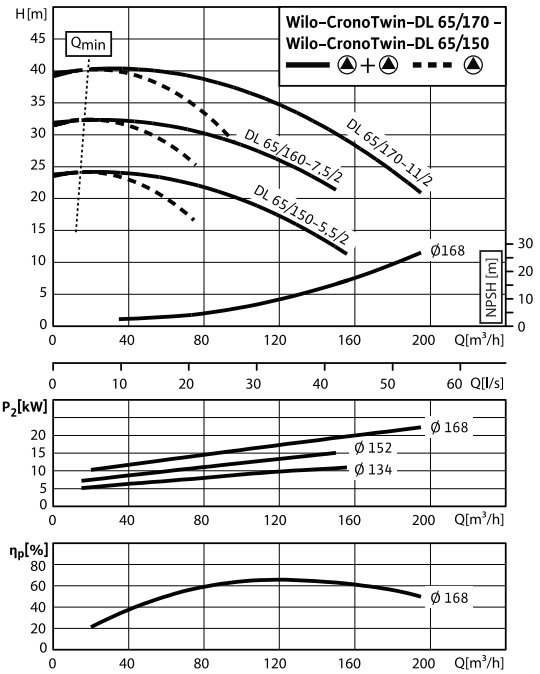
Wilo-CronoTwin-DL 65/150-5,5/2 - 65/170-11/2

Devir hızı 2900 d/d - tekli işletim



Wilo-CronoTwin-DL 65/150-5,5/2 - 65/170-11/2

Devir hızı 2900 d/d - paralel işletim

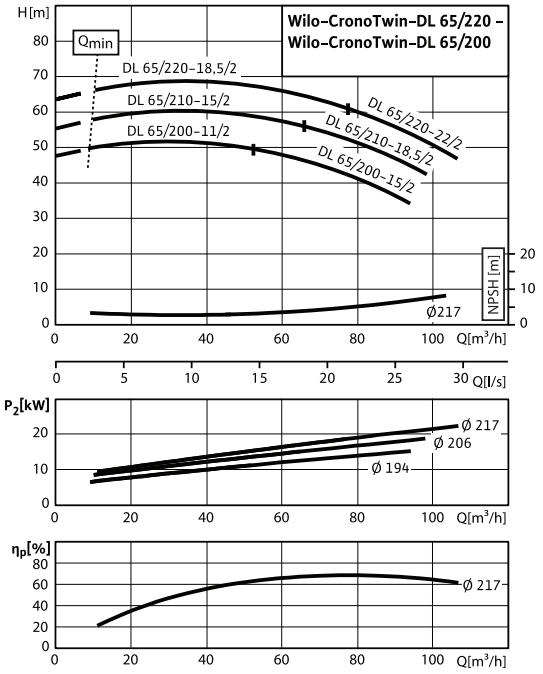


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Wilo-CronoTwin-DL Karakteristik Eğriler

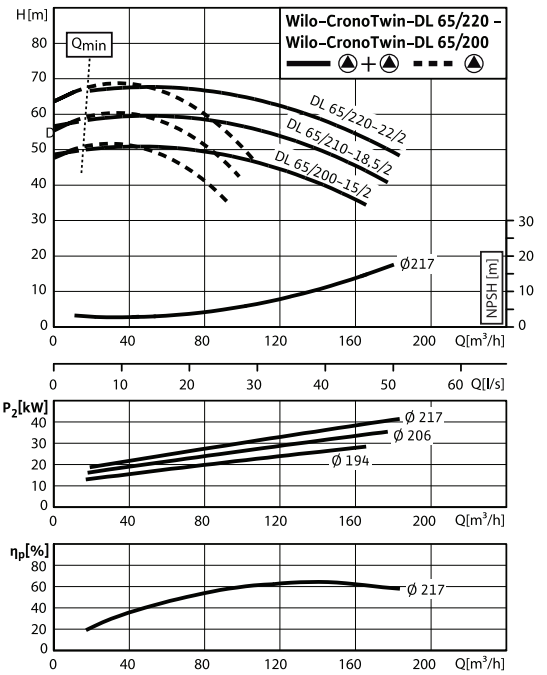
Wilo-CronoTwin-DL 65/200-11/2 - 65/220-22/2

Devir hızı 2900 d/d - tekli işletim



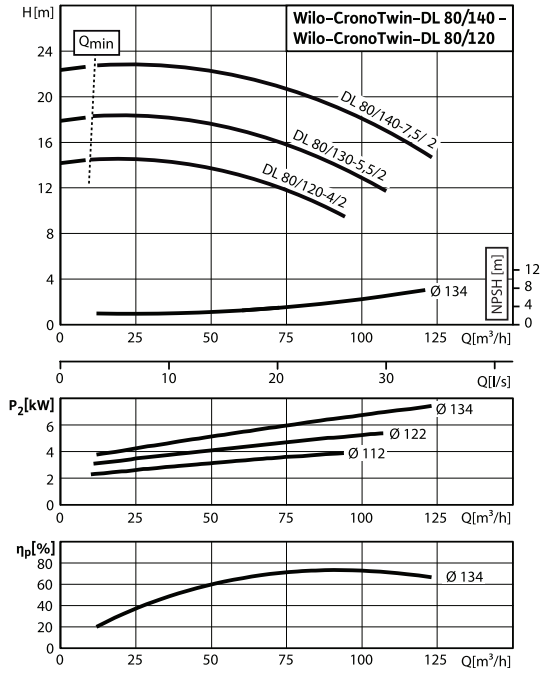
Wilo-CronoTwin-DL 65/200-11/2 - 65/220-22/2

Devir hızı 2900 d/d - paralel işletim



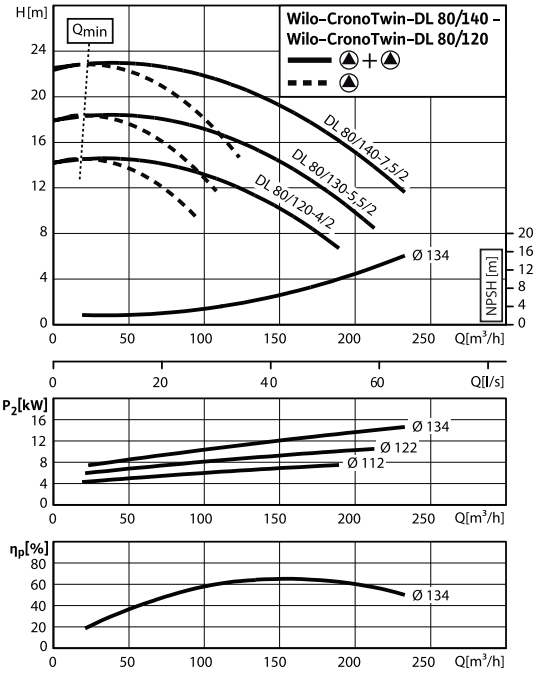
Wilo-CronoTwin-DL 80/120-4/2 - 80/140-7,5/2

Devir hızı 2900 d/d - tekli işletim



Wilo-CronoTwin-DL 80/120-4/2 - 80/140-7,5/2

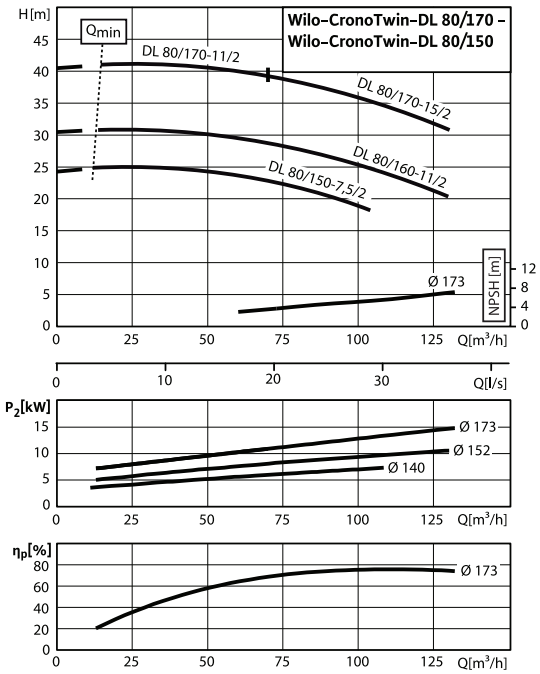
Devir hızı 2900 d/d - paralel işletim



Wilo-CronoTwin-DL Karakteristik Eğriler

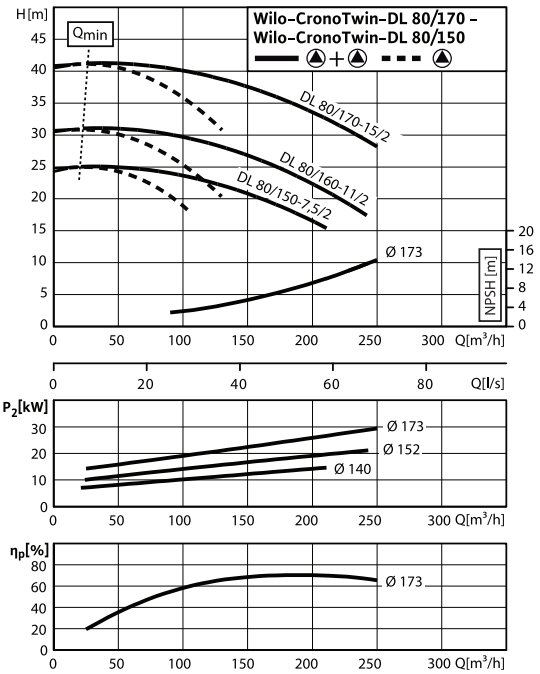
Wilo-CronoTwin-DL 80/150-7,5/2 - 80/170-15/2

Devir hızı 2900 d/d - tekli işletim



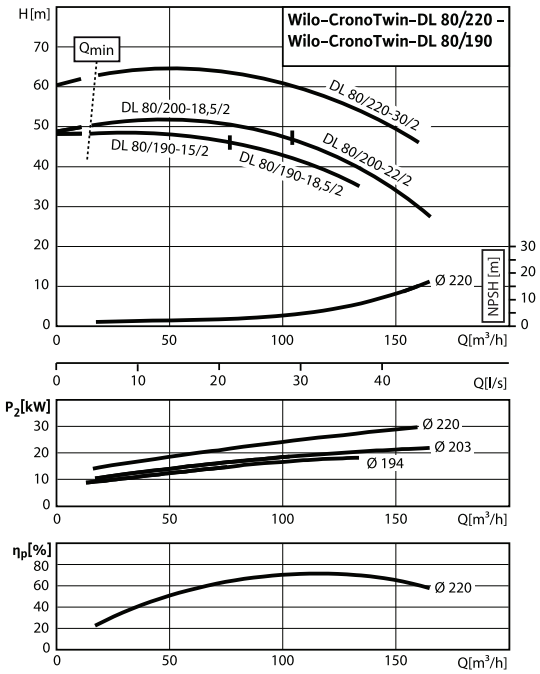
Wilo-CronoTwin-DL 80/150-7,5/2 - 80/170-15/2

Devir hızı 2900 d/d - paralel işletim



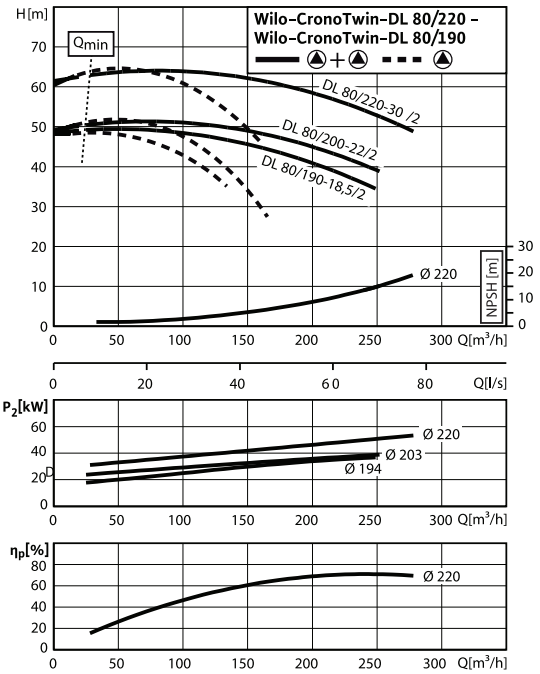
Wilo-CronoTwin-DL 80/190-15/2 - 80/220-30/2

Devir hızı 2900 d/d - tekli işletim



Wilo-CronoTwin-DL 80/190-15/2 - 80/220-30/2

Devir hızı 2900 d/d - paralel işletim

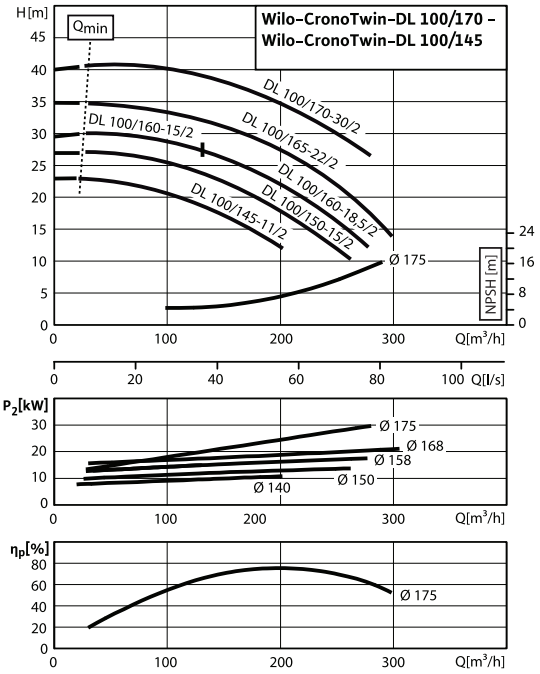


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Wilo-CronoTwin-DL Karakteristik Eğriler

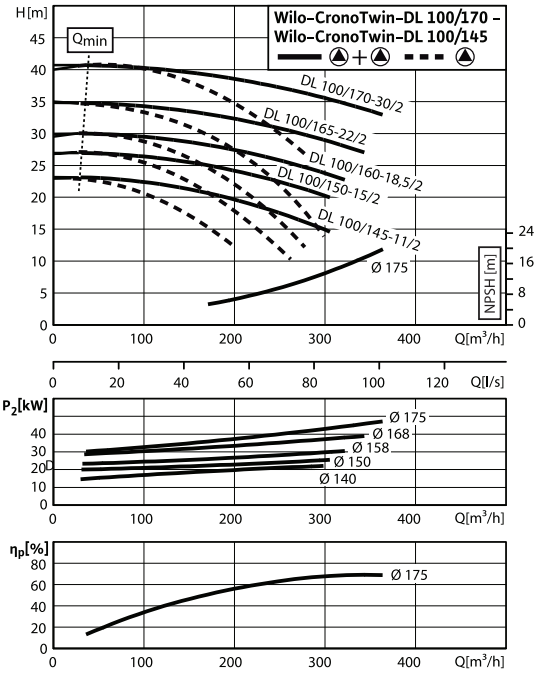
Wilo-CronoTwin-DL 100/145-11/2 – 100/170-30/2

Devir hızı 2900 d/d – tekli işletim



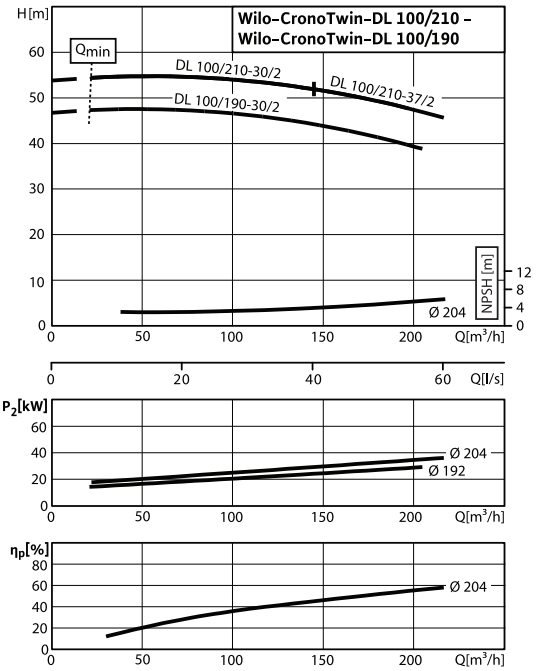
Wilo-CronoTwin-DL 100/145-11/2 – 100/170-30/2

Devir hızı 2900 d/d – paralel işletim



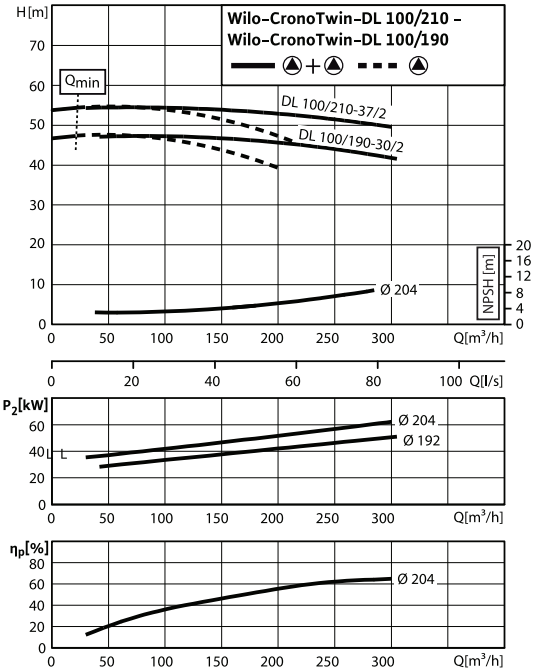
Wilo-CronoTwin-DL 100/190-30/2 – 100/210-37/2

Devir hızı 2900 d/d – tekli işletim



Wilo-CronoTwin-DL 100/190-30/2 – 100/210-37/2

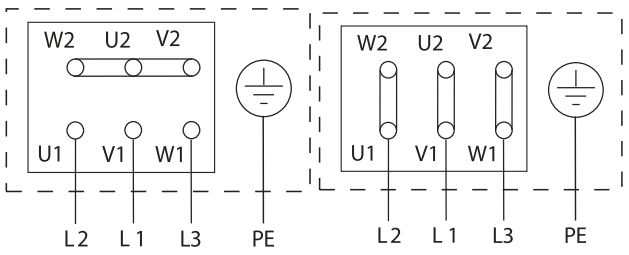
Devir hızı 2900 d/d – paralel işletim



Wilo-CronoTwin-DL Bağlantı Şemaları, Motor Bilgileri

Bağlantı Şemaları

Y resim **Δ resim**



Motor koruma svici kullanılmalıdır. Dönüş yönü kontrol edilmelidir. Dönüş yönünü değiştirmek için, herhangi iki fazı yer değiştiriniz.

$P_2 \leq 3$ kW	3~400 V Y 3~230 V Δ
$P_2 \geq 4$ kW	3~690 V Y 3~400 V Δ

Köprüler kaldırılarak, Y- Δ kalkış mümkündür.

Motor Bilgileri (1450 d/d)

Wilo-CronoTwin-DL ...	Nominal Akım (yaklaşık)	Güç Faktörü	Verim
	I_N 3~400 V	cos φ	η_M
	[A]	–	
0.25 kW	0.77	0.78	0.60
0.37 kW	1.06	0.78	0.65
0.55 kW	1.44	0.82	0.67
0.75 kW	1.91	0.81	0.72
1.1 kW	2.55	0.81	0.77
1.5 kW	3.40	0.81	0.79
2.2 kW	4.70	0.82	0.82
3 kW	6.40	0.82	0.83
4 kW	8.20	0.83	0.85
5.5 kW	11.40	0.81	0.86
7.5 kW	15.20	0.82	0.87
11 kW	21.50	0.84	0.89
15 kW	28.50	0.84	0.90
18.5 kW	35.50	0.83	0.91
22 kW	41.50	0.84	0.91
30 kW	55.00	0.86	0.92
37 kW	66.00	0.87	0.93
45 kW	80.00	0.87	0.93
55 kW	100.00	0.85	0.94

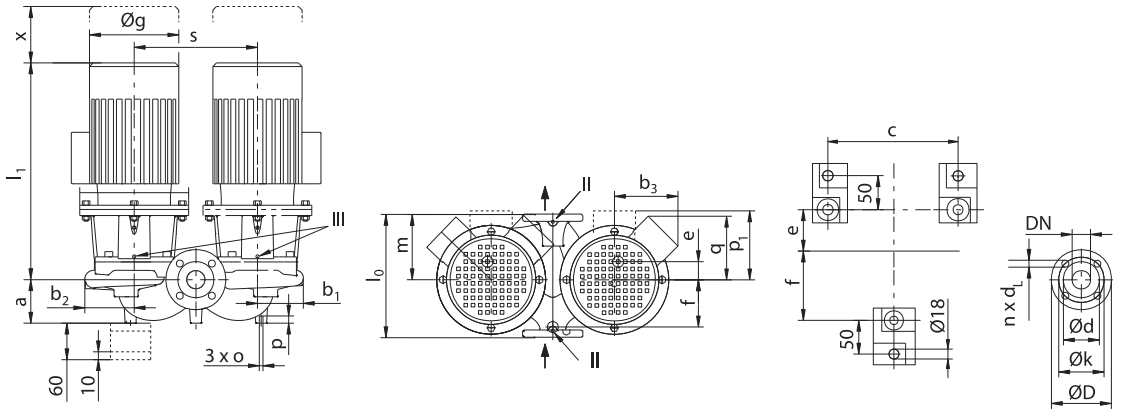
Motor Bilgileri (2900 d/d)

Wilo-CronoTwin-DL ...	Nominal Akım (yaklaşık)	Güç Faktörü	Verim
	I_N 3~400 V	cos φ	η_M
	[A]	–	
1.5 kW	3.25	0.85	0.79
2.2 kW	4.55	0.85	0.82
3 kW	6.10	0.85	0.84
4 kW	7.80	0.86	0.86
5.5 kW	10.40	0.89	0.86
7.5 kW	13.80	0.89	0.88
11 kW	20.00	0.88	0.90
15 kW	26.50	0.90	0.90
18.5 kW	32.00	0.91	0.91
22 kW	39.50	0.88	0.92
30 kW	53.00	0.89	0.92
37 kW	65.00	0.89	0.93

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Wilo-CronoTwin-DL Ölçüler, Ağırlıklar

Pompa Ölçülü Resmi



II : basınç ölçme R 1/8" , III : hava tahliye R 1/8"

Ölçüler, Ağırlıklar (1450 d/d)

Wilo-CronoTwin-DL ...	Nominal Flanş Çapı	Boy	Ölçüler																Ağırlık (yaklaşık)
	DN	l_0	A	b_1	b_2	b_3	c	e	f	Ø g	l_{1max}	m	o	p	p_1	q	s	x	M
	–	[mm]											–	[mm]					[kg]
32/140-0.25/4	32	320	100	117	122	118	360	43	137	145	395	155	M10	20	–	118	300	90	77
32/150-0.37/4	32	320	100	117	122	118	360	43	137	145	395	155	M10	20	–	118	300	90	80
32/170-0.55/4	32	320	100	117	122	124	360	43	137	188	430	155	M10	20	–	124	300	90	84
40/140-0.25/4	40	340	100	120	127	118	400	52	145	145	399	170	M10	20	–	118	340	95	82
40/150-0.37/4	40	340	100	120	127	118	400	52	145	145	399	170	M10	20	–	118	340	95	84
40/160-0.55/4	40	340	100	120	127	124	400	52	145	188	424	170	M10	20	–	124	340	95	88
40/170-0.75/4	40	340	100	120	127	124	400	52	145	188	424	170	M10	20	–	124	340	95	90
40/210-1.1/4	40	440	110	145	147	–	500	38	192	193	466	220	M10	20	151	–	400	100	111
40/220-1.5/4	40	440	110	145	147	–	500	38	192	193	466	220	M10	20	151	–	400	100	118
50/150-0.55/4	50	340	120	126	136	124	360	50	130	188	420	180	M10	20	–	124	340	100	92
50/160-0.75/4	50	340	120	126	136	124	360	50	130	188	420	180	M10	20	–	124	340	100	95
50/170-1.1/4	50	340	120	126	136	145	360	50	130	193	460	180	M10	20	–	145	340	100	102
50/200-1.5/4	50	440	120	145	148	–	500	50	200	193	472	220	M10	20	151	–	400	100	115
50/220-2.2/4	50	440	120	145	148	–	500	50	200	217	516	220	M10	20	160	–	400	100	134
50/260-3/4	50	440	122	177	174	–	480	50	200	217	542	220	M10	20	160	–	400	120	158
50/270-3/4	50	440	122	177	174	–	480	50	200	217	540	220	M10	20	160	–	400	120	158
50/270-4/4	50	440	122	177	174	–	480	50	200	232	620	220	M10	20	178	–	400	120	172
65/150-0.75/4	65	430	153	134	144	124	440	55	185	188	438	215	M12	20	–	124	400	120	114
65/160-1.1/4	65	430	153	134	144	145	440	55	185	193	478	215	M12	20	–	145	400	120	121
65/170-1.1/4	65	430	153	134	144	145	440	55	185	193	478	215	M12	20	–	145	400	120	122
65/170-1.5/4	65	430	153	134	144	149	440	55	185	193	478	215	M12	20	–	149	400	120	128
65/210-2.2/4	65	475	140	157	166	–	520	45	210	217	525	245	M12	20	160	–	400	110	145
65/220-2.2/4	65	475	140	157	166	–	520	45	210	217	525	245	M12	20	160	–	400	110	145
65/220-3/4	65	475	140	157	166	–	520	45	210	217	525	245	M12	20	160	–	400	110	151
65/250-3/4	65	475	140	184	176	–	500	50	220	217	545	235	M12	20	160	–	400	120	168

Wilo-CronoTwin-DL Ölçüler, Ağırlıklar

Ölçüler, Ağırlıklar (1450 d/d)

Wilo-CronoTwin-DL ...	Nominal Flanş Çapı	Boy	Ölçüler																Ağırlık (yaklaşık)
	DN	l_0	A	b_1	b_2	b_3	c	e	f	Ø g	l_{1max}	m	o	p	p_1	q	s	x	M
	–	[mm]											–	[mm]					[kg]
65/250-4/4	65	475	140	184	176	–	500	50	220	232	623	235	M12	20	178	–	400	120	180
65/270-5.5/4	65	475	140	184	176	–	500	50	220	279	679	235	M12	20	188	–	400	120	204
80/150-1.1/4	80	440	155	144	160	145	440	62	188	193	483	220	M12	20	–	145	400	120	133
80/160-1.5/4	80	440	155	144	160	149	440	62	188	193	483	220	M12	20	–	149	400	120	140
80/170-2.2/4	80	440	155	144	160	156	440	62	188	217	527	220	M12	20	–	156	400	120	162
80/210-3/4	80	500	145	166	176	–	550	72	228	217	530	250	M12	20	160	–	450	120	169
80/220-4/4	80	500	145	166	176	–	550	72	228	232	608	250	M12	20	178	–	450	120	181
80/270-5.5/4	80	500	125	188	198	–	560	62	233	279	667	245	M12	20	188	–	450	115	234
100/145-1.1/4	100	500	180	173	188	145	580	80	250	193	497	226	M12	20	–	145	440	135	154
100/150-1.5/4	100	500	180	173	188	149	580	80	250	193	497	226	M12	20	–	149	440	135	161
100/160-2.2/4	100	500	180	173	188	156	580	80	250	217	540	226	M12	20	–	156	440	135	183
100/170-3/4	100	500	180	173	188	156	580	80	250	217	540	226	M12	20	–	156	440	135	188
100/200-3/4	100	550	155	183	197	–	560	79	251	217	538	275	M12	20	160	–	450	120	188
100/200-4/4	100	550	155	183	197	–	560	79	251	232	616	275	M12	20	178	–	450	120	200
100/220-5.5/4	100	550	155	183	197	–	560	79	251	279	672	275	M12	20	188	–	450	120	228
100/250-5.5/4	100	550	180	198	210	–	600	54	266	279	677	260	M12	20	188	–	480	120	263
100/250-7.5/4	100	550	180	198	210	–	600	54	266	323	718	260	M12	20	188	–	480	120	275
100/260-11/4	100	550	180	198	210	–	600	54	266	323	800	260	M12	20	250	–	480	120	346
100/270-11/4	100	550	180	198	210	–	600	54	266	323	800	260	M12	20	250	–	480	120	346
125/190-4/4	125	620	180	205	189	–	640	68	283	232	635	312	M16	25	178	–	500	120	225
125/210-5.5/4	125	620	180	205	189	–	640	68	283	279	691	312	M16	25	188	–	500	120	257
125/220-5.5/4	125	620	180	205	189	–	640	68	283	279	691	312	M16	25	188	–	500	120	257
125/220-7.5/4	125	620	180	205	189	–	640	68	283	323	732	312	M16	25	188	–	500	120	273
125/250-11/4	125	620	200	255	267	–	591	86	314	323	813	280	M16	25	250	–	520	130	397
125/270-11/4	125	620	200	255	267	–	591	86	314	323	813	280	M16	25	250	–	520	130	397
125/270-15/4	125	620	200	255	267	–	591	86	314	370	856	280	M16	25	250	–	520	130	421
125/300-18.5/4	125	700	200	277	292	–	800	51	334	370	924	340	M16	25	294	–	550	140	615
125/320-18.5/4	125	700	200	277	292	–	800	51	334	370	924	340	M16	25	294	–	550	140	615
125/320-22/4	125	700	200	277	292	–	800	51	334	370	952	340	M16	25	294	–	550	140	635
125/340-30/4	125	700	200	277	292	–	800	51	334	415	1012	340	M16	25	306	–	550	140	729
150/190-5.5/4	150	700	210	215	241	–	640	91	309	279	695	365	M16	25	188	–	550	130	324
150/200-7.5/4	150	700	210	215	241	–	640	91	309	323	736	365	M16	25	188	–	550	130	340
150/220-11/4	150	700	210	215	241	–	640	91	309	323	818	365	M16	25	250	–	550	130	409
150/250-15/4	150	700	230	293	310	–	696	116	344	370	887	330	M16	25	250	–	600	135	548
150/260-15/4	150	700	230	293	310	–	696	116	344	370	887	330	M16	25	250	–	600	135	548
150/260-18.5/4	150	700	230	293	310	–	696	116	344	370	929	330	M16	25	294	–	600	135	604
150/270-18.5/4	150	700	230	293	310	–	696	116	344	370	929	330	M16	25	294	–	600	135	604
150/270-22/4	150	700	230	293	310	–	696	116	344	370	957	330	M16	25	294	–	600	135	624
150/300-30/4	150	770	230	314	329	–	758	130	374	415	1025	370	M16	25	306	–	650	145	639
150/320-37/4	150	770	230	314	329	–	758	130	374	456	1061	370	M16	25	327	–	650	145	748
150/340-37/4	150	770	230	314	329	–	758	130	374	456	1061	370	M16	25	327	–	650	145	748

Değişiklik yapma hakkı saklıdır 2010 WILO A.Ş.

Wilo-CronoTwin-DL Ölçüler, Ağırlıklar

Ölçüler, Ağırlıklar (1450 d/d)

Wilo-CronoTwin-DL ...	Nominal Flanş Çapı	Boy	Ölçüler																Ağırlık (yaklaşık)
	DN	l_0	A	b_1	b_2	b_3	c	e	f	Ø g	l_{1max}	m	o	p	p_1	q	s	x	M
	–	[mm]											–	[mm]					[kg]
150/340-45/4	150	770	230	314	329	–	758	130	374	456	1125	370	M16	25	327	–	650	145	800
200/240-15/4	200	800	250	322	347	–	1000	62	400	370	912	370	M16	25	250	–	700	140	688
200/250-18.5/4	200	800	250	322	347	–	1000	62	400	370	954	370	M16	25	294	–	700	140	745
200/260-22/4	200	800	250	322	347	–	1000	62	400	370	982	370	M16	25	294	–	700	140	765
200/270-30/4	200	800	250	322	347	–	1000	62	400	415	1042	370	M16	25	306	–	700	140	856
200/310-37/4	200	820	245	339	361	–	808	129	391	456	1086	400	M16	25	327	–	700	155	1000
200/320-45/4	200	820	245	339	361	–	808	129	391	456	1155	400	M16	25	327	–	700	155	1051
200/340-55/4	200	820	245	339	361	–	808	129	391	495	1230	400	M16	25	392	–	700	155	1359

Ölçüler, Ağırlıklar (2900 d/d)

Wilo-CronoTwin-DL ...	Nominal Flanş Çapı	Boy	Ölçüler																Ağırlık (yaklaşık)
	DN	l_0	A	b_1	b_2	b_3	c	e	f	Ø g	l_{1max}	m	o	p	p_1	q	s	x	M
	–	[mm]											–	[mm]					[kg]
32/140-1.5/2	32	320	100	117	122	145	360	43	137	193	460	155	M10	20	–	145	300	90	94
32/150-2.2/2	32	320	100	117	122	149	360	43	137	193	460	155	M10	20	–	149	300	90	99
32/160-2.2/2	32	320	100	117	122	149	360	43	137	193	460	155	M10	20	–	149	300	90	99
32/160-3/2	32	320	100	117	122	156	360	43	137	217	503	155	M10	20	–	156	300	90	118
32/170-3/2	32	320	100	117	122	156	360	43	137	217	501	155	M10	20	–	156	300	90	118
32/170-4/2	32	320	100	117	122	168	360	43	137	232	581	155	M10	20	–	168	300	90	132
40/140-2.2/2	40	340	100	120	127	149	400	52	145	193	464	170	M10	20	–	149	340	95	104
40/150-3/2	40	340	100	120	127	156	400	52	145	217	507	170	M10	20	–	156	340	95	123
40/160-4/2	40	340	100	120	127	168	400	52	145	232	585	170	M10	20	–	168	340	95	137
40/170-5.5/2	40	340	100	120	127	182	400	52	145	279	631	170	M10	20	–	182	340	95	159
40/200-7.5/2	40	440	110	145	147	–	500	38	192	279	644	220	M10	20	188	–	400	100	200
40/220-11/2	40	440	110	145	147	–	500	38	192	323	767	220	M10	20	250	–	400	100	258
50/110-1.5/2	50	340	105	108	116	145	360	52	148	193	463	170	M10	20	–	145	300	100	87
50/120-2.2/2	50	340	105	108	116	149	360	52	148	193	463	170	M10	20	–	149	300	100	92
50/130-3/2	50	340	105	108	116	156	360	52	148	217	510	170	M10	20	–	156	300	100	116
50/140-3/2	50	340	105	108	116	156	360	52	148	217	510	170	M10	20	–	156	300	100	116
50/140-4/2	50	340	105	108	116	168	360	52	148	232	588	170	M10	20	–	168	300	100	130
50/160-5.5/2	50	340	120	126	136	182	360	50	130	279	628	180	M10	20	–	182	340	100	168
50/170-5.5/2	50	340	120	126	136	182	360	50	130	279	628	180	M10	20	–	182	340	100	168
50/170-7.5/2	50	340	120	126	136	182	360	50	130	279	628	180	M10	20	–	182	340	100	189
50/180-7.5/2	50	440	120	145	148	–	500	50	200	279	650	220	M10	20	188	–	400	100	197
50/200-11/2	50	440	120	145	148	–	500	50	200	323	773	220	M10	20	250	–	400	100	255
50/220-11/2	50	440	120	145	148	–	500	50	200	323	773	220	M10	20	250	–	400	100	255
50/220-15/2	50	440	120	145	148	–	500	50	200	323	773	220	M10	20	250	–	400	100	278

Wilo-CronoTwin-DL Ölçüler, Ağırlıklar

Ölçüler, Ağırlıklar (2900 d/d)

Wilo-CronoTwin-DL ...	Nominal Flanş Çapı	Boy	Ölçüler																Ağırlık (yaklaşık)
	DN	l_0	A	b_1	b_2	b_3	c	e	f	Ø g	l_{1max}	m	o	p	p_1	q	s	x	M
	–	[mm]											–	[mm]					[kg]
65/110-3/2	65	340	120	121	130	156	400	50	150	217	514	170	M12	20	–	156	340	110	129
65/120-3/2	65	340	120	121	130	156	400	50	150	217	514	170	M12	20	–	156	340	110	129
65/120-4/2	65	340	120	121	130	168	400	50	150	232	592	170	M12	20	–	168	340	110	143
65/130-5.5/2	65	340	120	121	130	–	400	50	150	279	644	170	M12	20	188	–	340	110	166
65/140-5.5/2	65	340	120	121	130	–	400	50	150	279	644	170	M12	20	188	–	340	110	166
65/140-7.5/2	65	340	120	121	130	–	400	50	150	279	644	170	M12	20	188	–	340	110	182
65/150-5.5/2	65	430	153	134	144	182	440	55	185	279	647	215	M12	20	–	182	400	120	188
65/160-5.5/2	65	430	153	134	144	182	440	55	185	279	647	215	M12	20	–	182	400	120	189
65/160-7.5/2	65	430	153	134	144	182	440	55	185	279	647	215	M12	20	–	182	400	120	207
65/170-11/2	65	430	153	134	144	–	440	55	185	323	778	215	M12	20	250	–	400	120	257
65/200-11/2	65	475	140	157	166	–	520	45	210	323	783	245	M12	20	250	–	400	110	267
65/200-15/2	65	475	140	157	166	–	520	45	210	323	783	245	M12	20	250	–	400	110	289
65/210-15/2	65	475	140	157	166	–	520	45	210	323	783	245	M12	20	250	–	400	110	289
65/210-18.5/2	65	475	140	157	166	–	520	45	210	370	826	245	M12	20	250	–	400	110	315
65/220-18.5/2	65	475	140	157	166	–	520	45	210	370	826	245	M12	20	250	–	400	110	315
65/220-22/2	65	475	140	157	166	–	520	45	210	370	868	245	M12	20	294	–	400	110	360
80/120-4/2	80	400	155	134	146	168	400	62	178	232	600	200	M12	20	–	168	350	120	157
80/130-5.5/2	80	400	155	134	146	–	400	62	178	279	652	200	M12	20	188	–	350	120	180
80/140-7.5/2	80	400	155	134	146	–	400	62	178	279	652	200	M12	20	188	–	350	120	196
80/150-7.5/2	80	440	155	144	160	182	440	62	188	279	651	220	M12	20	–	182	400	120	218
80/160-11/2	80	440	155	144	160	–	440	62	188	323	783	220	M12	20	250	–	400	120	267
80/170-11/2	80	440	155	144	160	–	440	62	188	323	783	220	M12	20	250	–	400	120	267
80/170-15/2	80	440	155	144	160	–	440	62	188	323	783	220	M12	20	250	–	400	120	294
80/190-15/2	80	500	145	166	176	–	550	72	228	323	787	250	M12	20	250	–	450	120	307
80/190-18.5/2	80	500	145	166	176	–	550	72	228	370	830	250	M12	20	250	–	450	120	333
80/200-18.5/2	80	500	145	166	176	–	550	72	228	370	830	250	M12	20	250	–	450	120	333
80/200-22/2	80	500	145	166	176	–	550	72	228	370	872	250	M12	20	294	–	450	120	378
80/220-30/2	80	500	145	166	176	–	550	72	228	415	960	250	M12	20	306	–	450	120	489
100/145-11/2	100	500	180	173	188	–	580	80	250	323	796	226	M12	20	250	–	440	135	289
100/150-15/2	100	500	180	173	188	–	580	80	250	323	796	226	M12	20	250	–	440	135	315
100/160-15/2	100	500	180	173	188	–	580	80	250	323	796	226	M12	20	250	–	440	135	315
100/160-18.5/2	100	500	180	173	188	–	580	80	250	370	839	226	M12	20	250	–	440	135	350
100/165-22/2	100	500	180	173	188	–	580	80	250	370	881	226	M12	20	294	–	440	135	379
100/170-30/2	100	500	180	173	188	–	580	80	250	415	969	226	M12	20	306	–	440	135	490
100/190-30/2	100	550	155	183	197	–	560	79	251	415	969	275	M12	20	306	–	450	120	507
100/210-30/2	100	550	155	183	197	–	560	79	251	415	969	275	M12	20	306	–	450	120	507
100/210-37/2	100	550	155	183	197	–	560	79	251	415	969	275	M12	20	306	–	450	120	553

Değişiklik yapma hakkı saklıdır 2010 WILO A.Ş.

Wilo-CronoTwin-DL Ölçüler, Ağırlıklar

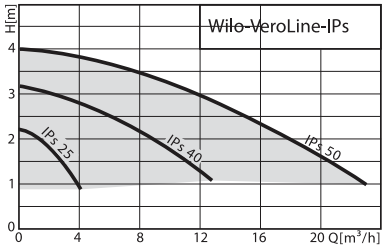
Flanş Ölçüleri

Wilo-CronoTwin-DL ...	Nominal Flanş Çapı	Pompa Flanş Ölçüleri			
	DN	Ø D	Ø d	Ø k	n x Ø d_L
	–	[mm]			[delik adeti x mm]
32...	32	140	76	100	4 x 19
40...	40	150	84	110	4 x 19
50...	50	165	99	125	4 x 19
65...	65	185	118	145	4 x 19
80...	80	200	132	160	8 x 19
100...	100	220	156	180	8 x 19
125...	125	250	184	210	8 x 19
150...	150	285	211	240	8 x 23
200...	200	340	266	295	12 x 23

EN 1902-2'ye göre PN16 delikli

Wilo-VeroLine-IPS





Dizayn

Dişli ve flanş bağlantılı, kuru rotorlu(salmastralı), inline tip pompa

Uygulama

Isıtma , soğutma ve iklimlendirme tesisatları

Pompa Kodlaması

Örnek : **IPS 40 GRD**

IPS	Inline pompa
40	Nominal bağlantı çapı DN
GRD	Mekanik salmastra

Ürün Özellikleri / Faydalar

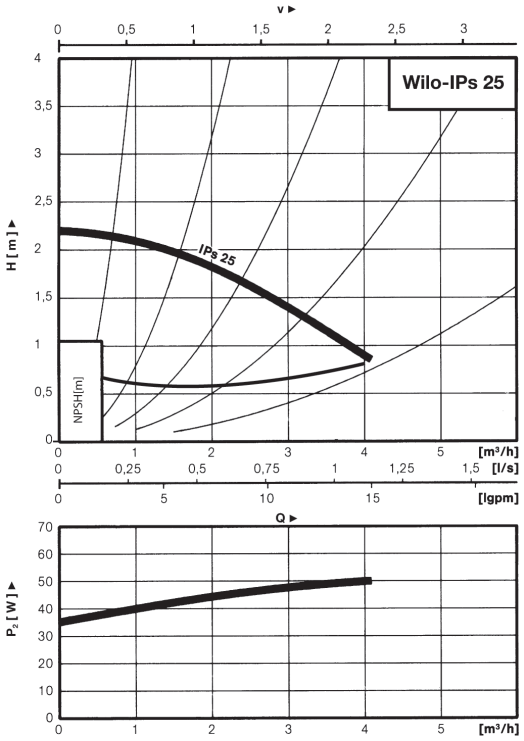
- Norm (IEC) elektrik motoru
- Mekanik (BVEGG standart) veya yumuşak salmastra
- Çalışma sıcaklığı aralığı -10oC – 140oC
- Koruma Sınıfı IP55
- Bağlantı çapı Rp 1", DN40, DN50
- Maksimum çalışma basıncı 10 bar (flanşlı versiyon 6 bar)
- EN-GJL-200 gövde, laterna ve çark
- 1.4021 pompa mili

Değişiklik yapma hakkı saklıdır 2010 WILO A.Ş.

Wilo-VeroLine-IPS Karakteristik Eğriler

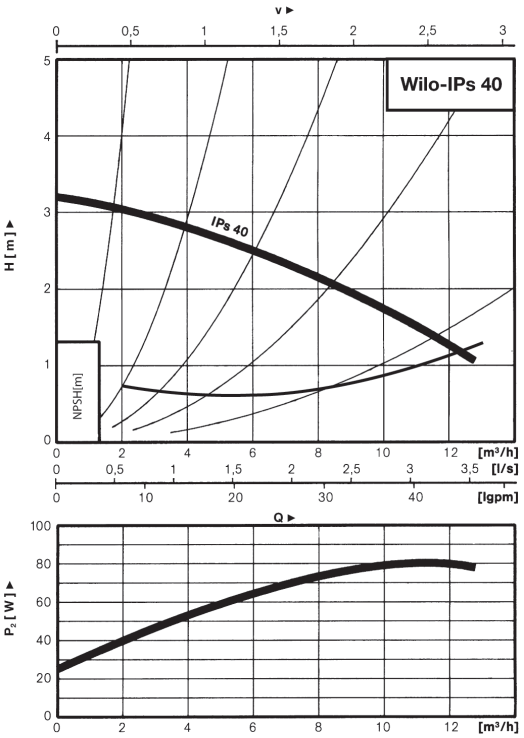
Wilo-VeroLine-IPS 25

Devir hızı 1450 d/d



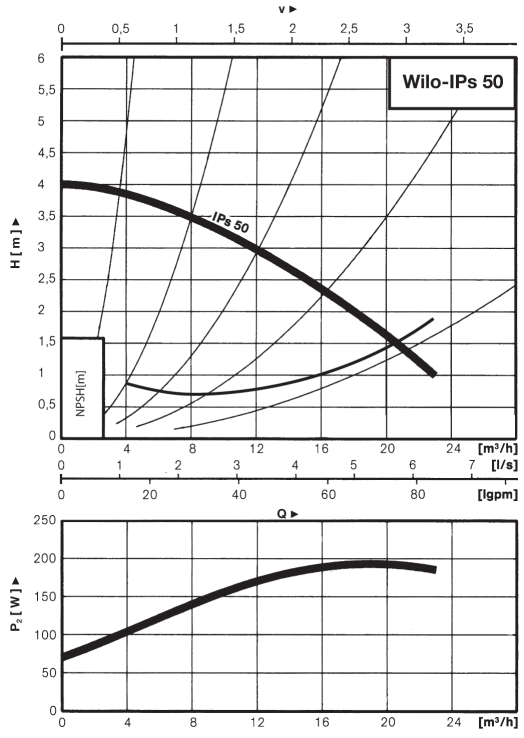
Wilo-VeroLine-IPS 40

Devir hızı 1450 d/d



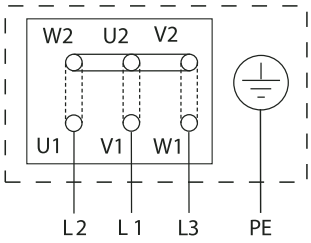
Wilo-VeroLine-IPS 50

Devir hızı 1450 d/d



Wilo-VeroLine-IPS Bağlantı Şemaları, Motor Bilgileri

Bağlantı Şeması



3~400 V, 50 Hz

3~230 V, 50 Hz Δ (kesik çizgi)

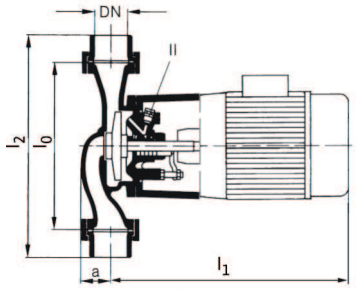
Motor bilgileri

Wilo-VeroLine-IPS ...	Nominal Motor Gücü	Nominal Akım (yaklaşık)	
	P_2	I_N 3~400 V	I_N 3~230 V
	[kW]	[A]	
25	0.12	0.45	0.78
40	0.18	0.60	1.04
50	0.25	0.75	1.30

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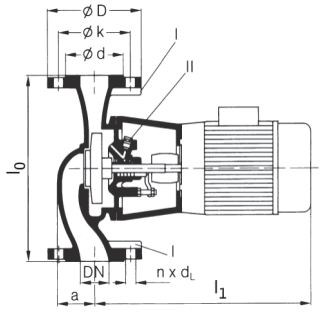
Wilo-VeroLine-IPS Ölçüler, Ağırlıklar

Pompa Ölçülü Resmi A



II : Hava tahliye

Pompa Ölçülü Resmi B



I : Basınç ölçme R 1/8" , II : Hava tahliye

Ölçüler, Ağırlıklar

Wilo-VeroLine-IPS ...	Nominal Flanş Çapı	Boru Bağlantısı	Boy	Ölçüler			Ağırlık (yaklaşık)	Pompa Ölçülü Resmi
	DN	Rp	l_0	A	l_1	l_2	M	–
	–		[mm]				[kg]	–
25	–	1	180	35	300	234	12	A
40	40	–	250	53	305	–	20	B
50	50	–	280	62	340	–	23	B

Flanş Ölçüleri PN6 (DIN EN 1902-2)

Wilo-VeroLine-IPS ...	Nominal Flanş Çapı	Pompa Flanş Ölçüleri			
	DN	Ø D	Ø d	Ø k	n x Ø d_L
	–	[mm]			[delik adeti x mm]
40	40	130	80	100	4 x 14
50	50	140	90	110	4 x 14

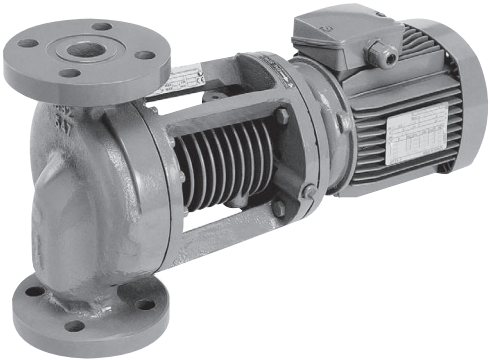
Flanş Ölçüleri PN16 özel versiyon (DIN EN 1902-2)

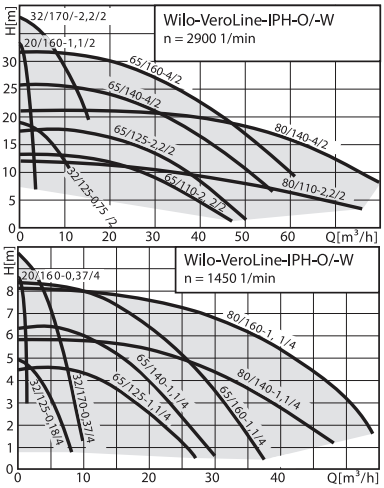
Wilo-VeroLine-IPS ...	Nominal Flanş Çapı	Pompa Flanş Ölçüleri			
	DN	Ø D	Ø d	Ø k	n x Ø d_L
	–	[mm]			[delik adeti x mm]
40	40	150	88	110	4 x 19
50	50	165	102	125	4 x 19

Isıtma, Soğutma, İklimlendirme, Endüstri

Kuru Rotorlu Özel Pompalar

Wilo-VeroLine-IPH-O / IPH-W





Dizayn

Dişli ve flanş bağlantılı, kuru rotorlu(salmastralı), inline tip pompa

Uygulama

Isı transfer yağı (IPH-O) ve kızgın su (IPH-W) sirkülasyonu

Pompa Kodlaması

Örnek : **IPH-W (IPH-O) 65/125-1.1/4**

IPH	Inline pompa
-O	Isı transfer yağı pompası
-W	Kızgın su pompası
65	Nominal bağlantı çapı DN
125	Nominal çark çapı
1.1	Nominal motor gücü P_2, kW
4	Kutup sayısı

Ürün Özellikleri / Faydalar

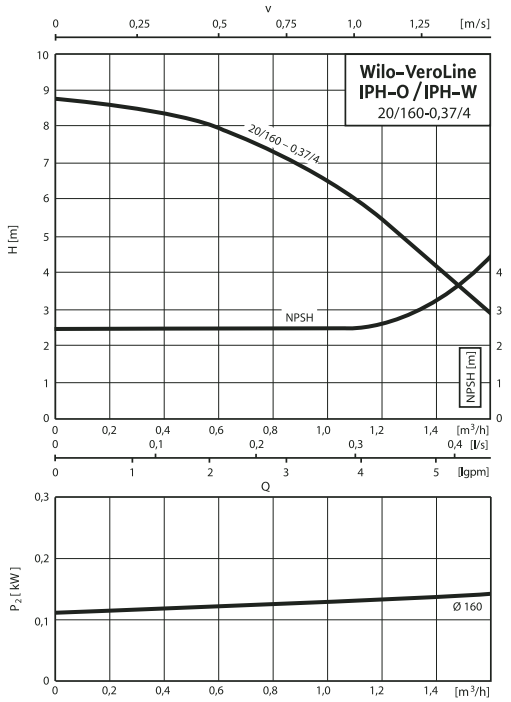
• Çift yönlü, kendinden soğutmalı mekanik salmastra (AQ1VGG standart, diğerleri özel versiyon)
• Geniş çalışma sıcaklığı aralığı (-10oC – 350oC)
• Maksimum çalışma basıncı 9 bar
• 3~400 V, 50 Hz
• Koruma sınıfı IP55
• Bağlantı çapı DN20- DN80
• 1.0625 gövde
• EN-GJS-400-15 laterna
• EN-GJL-250 çark
• 1.4005 pompa mili

Değişiklik yapma hakkı saklıdır 2010 WILO A.Ş.

Wilo-VeroLine-IPH-O/-W Karakteristik Eğriler

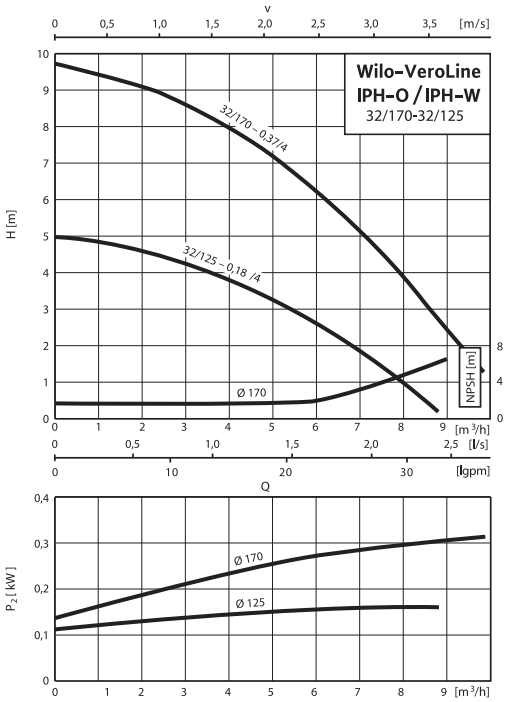
Wilo-VeroLine-IPH-O/-W 20/160-0,37/4

Devir hızı 1450 d/d



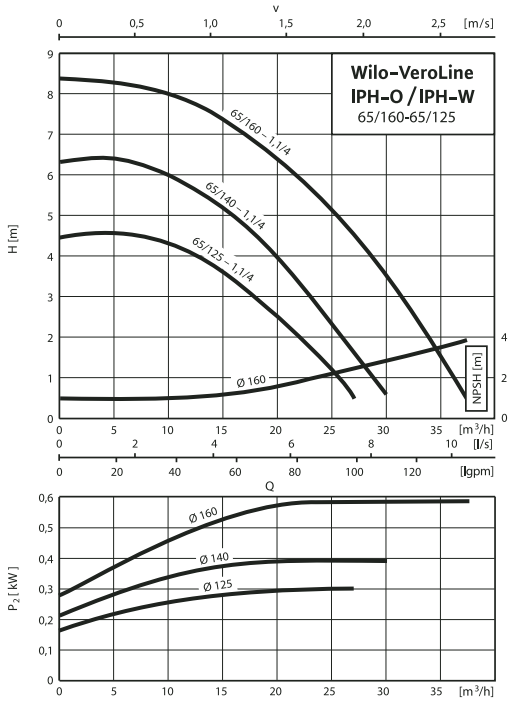
Wilo-VeroLine-IPH-O/-W 32/125-0,18/4 - 32/170-0,37/4

Devir hızı 1450 d/d



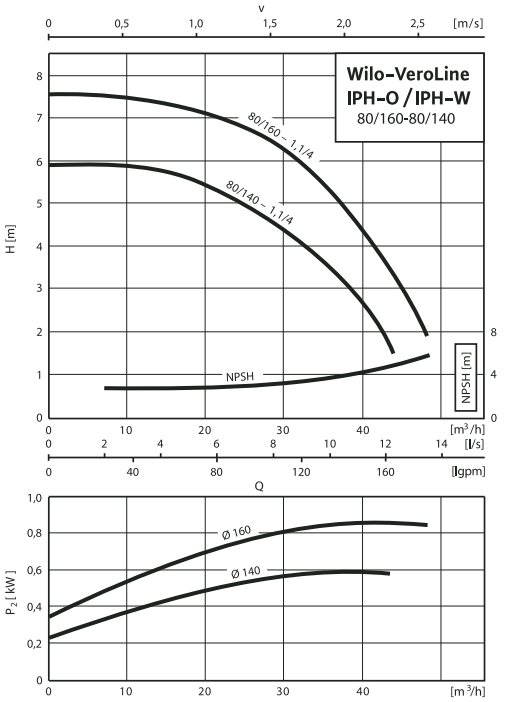
Wilo-VeroLine-IPH-O/-W 65/125-1,1/4 - 65/160-1,1/4

Devir hızı 1450 d/d



Wilo-VeroLine-IPH-O/-W 80/140-1,1/4 - 80/160-1,1/4

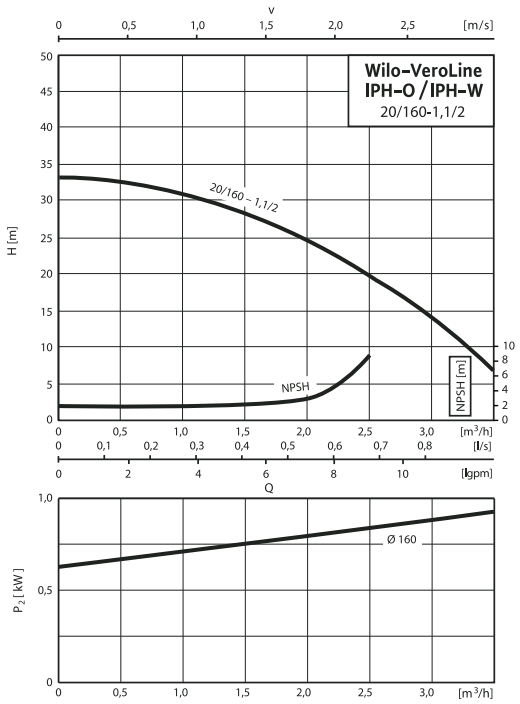
Devir hızı 1450 d/d



Wilo-VeroLine-IPH-O/-W Karakteristik Eğriler

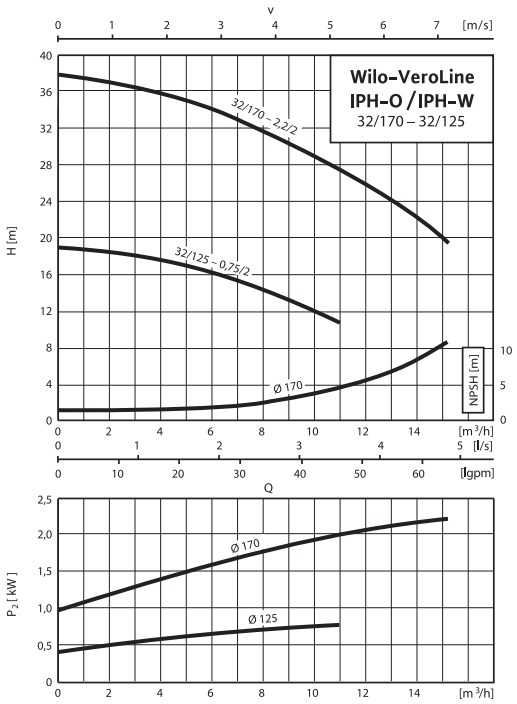
Wilo-VeroLine-IPH-O/-W 20/160-1,1/2

Devir hızı 2900 d/d



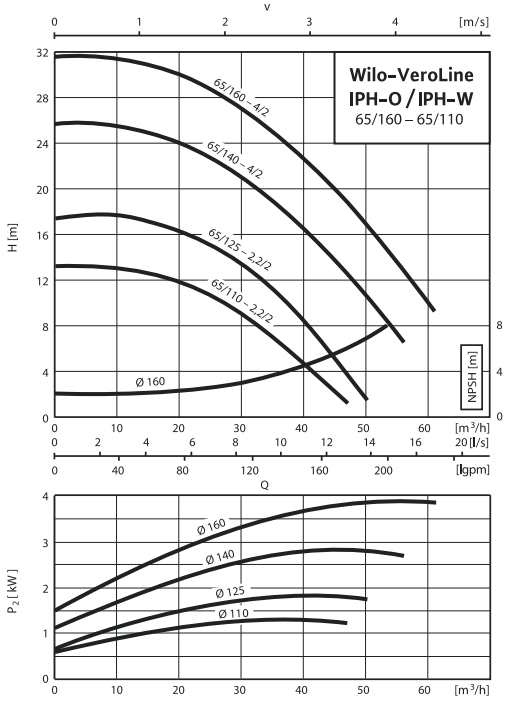
Wilo-VeroLine-IPH-O/-W 32/125-0,75/2 – 32/170-2,2/2

Devir hızı 2900 d/d



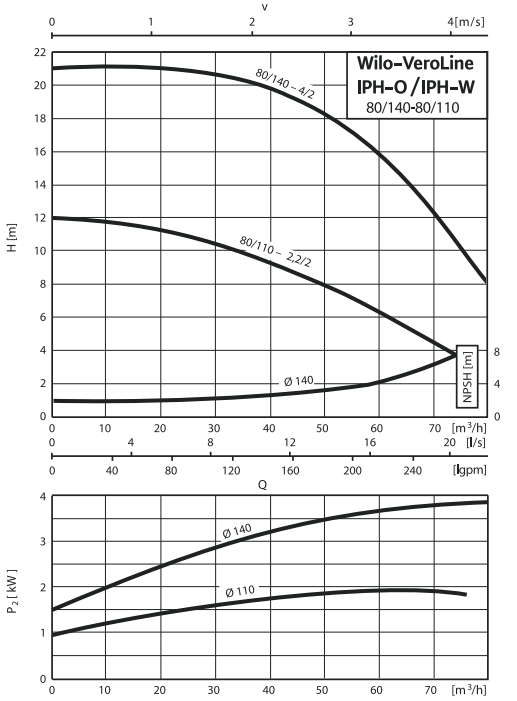
Wilo-VeroLine-IPH-O/-W 65/110-2,2/2 – 65/160-4/2

Devir hızı 2900 d/d



Wilo-VeroLine-IPH-O/-W 80/110-2,2/2 – 80/140-4/2

Devir hızı 2900 d/d

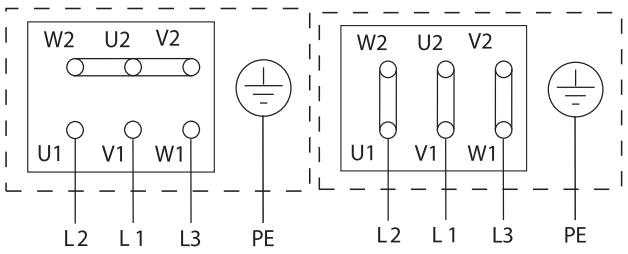


Değişiklik yapma hakkı saklıdır 2010 WILO A.Ş.

Wilo-VeroLine-IPH-O / IPH-W Bağlantı Şemaları, Motor Bilgileri

Bağlantı Şemaları

Y resim **Δ resim**



Motor koruma svici kullanılmalıdır. Dönüş yönü kontrol edilmelidir. Dönüş yönünü değiştirmek için, herhangi iki fazı yer değiştiriniz.

$P_2 \leq 3$ kW 3~400 V Y
3~230 V Δ

$P_2 \geq 4$ kW 3~690 V Y
3~400 V Δ

Köprüler kaldırılarak, Y- Δ kalkış mümkündür.

Motor Bilgileri (1450 d/d)

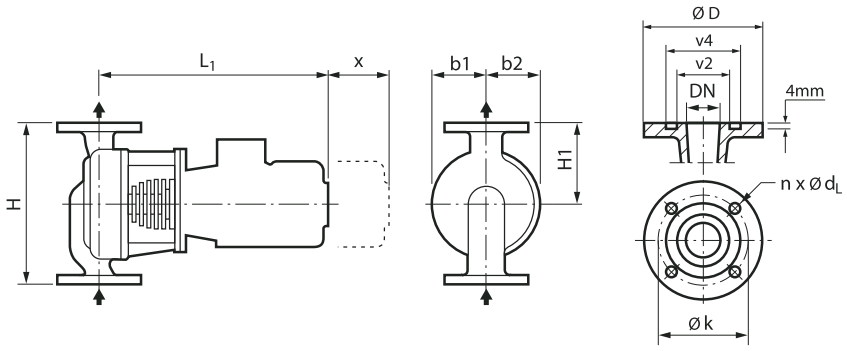
Wilo-VeroLine-IPH-O/-W...	Nominal Motor Gücü	Nominal Akım	Güç Faktörü	Verim
	P_2	I_N3~400 V	cosφ	η_M
	[kW]	[A]	–	
20/160-0.37/4	0.37	1.12	0.70	72.00
32/125-0.18/4	0.18	0.62	0.65	62.00
32/170-0.37/4	0.37	1.12	0.70	72.00
65/125-1.1/4	1.10	2.70	0.84	76.80
65/140-1.1/4	1.10	2.70	0.84	76.80
65/160-1.1/4	1.10	2.70	0.84	76.80
80/140-1.1/4	1.10	2.70	0.84	76.80
80/160-1.1/4	1.10	2.70	0.84	76.80

Motor Bilgileri (2900 d/d)

Wilo-VeroLine-IPH-O/-W...	Nominal Motor Gücü	Nominal Akım	Güç Faktörü	Verim
	P_2	I_N3~400 V	cosφ	η_M
	[kW]	[A]	–	
20/160-1.1/2	1.10	2.60	0.84	78.00
32/125-0.75/2	0.75	1.90	0.87	76.00
32/170-2.2/2	2.20	4.40	0.88	83.60
65/110-2.2/2	2.20	4.40	0.88	83.60
65/125-2.2/2	2.20	4.40	0.88	83.60
65/140-4/2	4.00	8.20	0.85	86.00
65/160-4/2	4.00	8.20	0.85	86.00
80/110-2.2/2	2.20	4.40	0.88	83.60
80/140-4/2	4.00	8.20	0.85	86.00

Wilo-VeroLine-IPH-O / IPH-W Ölçüler, Ağırlıklar

Pompa Ölçülü Resmi



Ölçüler, Ağırlıklar (1450 d/d)

Wilo-VeroLine-IPH-O/-W...	Nominal Flanş Çapı	Ölçüler						Ağırlık (yaklaşık)
	DN	b_1	b_2	H	H_1	L_1	X	M
	–	[mm]						[kg]
20/160-0.37/4	20	105	105	290	145	385	300	28
32/125-0.18/4	32	90	87	260	130	370	300	23
32/170-0.37/4	32	110	115	260	130	395	300	30
65/125-1.1/4	65	110	110	370	170	440	300	39
65/140-1.1/4	65	121	107	400	190	440	300	39
65/160-1.1/4	65	121	107	400	190	440	300	39
80/140-1.1/4	80	150	123	430	205	445	300	41
80/160-1.1/4	80	150	123	430	205	445	300	54

Ölçüler, Ağırlıklar (2900 d/d)

Wilo-VeroLine-IPH-O/-W...	Nominal Flanş Çapı	Ölçüler						Ağırlık (yaklaşık)
	DN	b_1	b_2	H	H_1	L_1	X	M
	–	[mm]						[kg]
20/160-1.1/2	20	105	105	290	145	417	300	31
32/125-0.75/2	32	90	87	260	130	402	300	26
32/170-2.2/2	32	110	115	260	130	477	300	41
65/110-2.2/2	65	110	110	370	170	467	300	43
65/125-2.2/2	65	110	110	370	170	467	300	43
65/140-4/2	65	121	107	400	190	503	300	61
65/160-4/2	65	121	107	400	190	503	300	61
80/110-2.2/2	80	133	106	400	190	472	300	51
80/140-4/2	80	150	123	430	205	507	300	69

Değişiklik yapma hakkı saklıdır 2010 WILO A.Ş.

Wilo-VeroLine-IPH-O / IPH-W Ölçüler, Ağırlıklar

Flanş Ölçüleri

Wilo-VeroLine-IPH-O/-W...	Nominal Flanş Çapı	ØD	v2	v4	Øk	Pompa Flanş Ölçüleri
	DN	L				n x Ø d_L
	–	[mm]				[delik adeti x mm]
20...	20	105	35	51	75	4 x 14
32...	32	140	50	66	100	4 x 18
65...	65	185	94	110	145	8 x 18
80...	80	200	105	121	160	8 x 18

DIN2545'e göre PN25 delikli