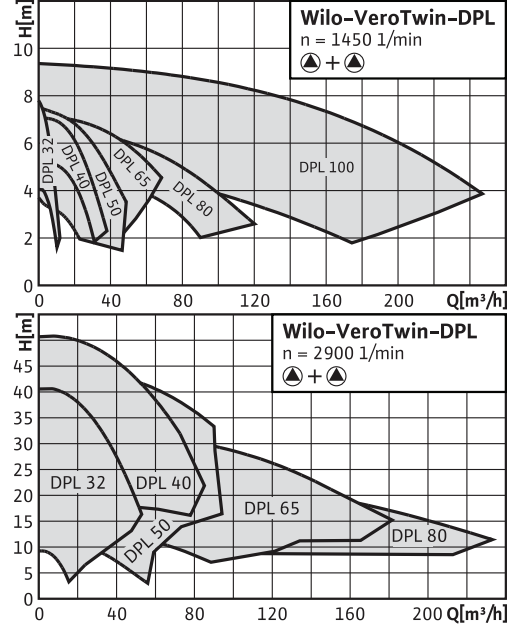


Isıtma, Soğutma, İklimlendirme, Endüstri

Kuru Rotorlu Standart Pompalar (İkiz)

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 |

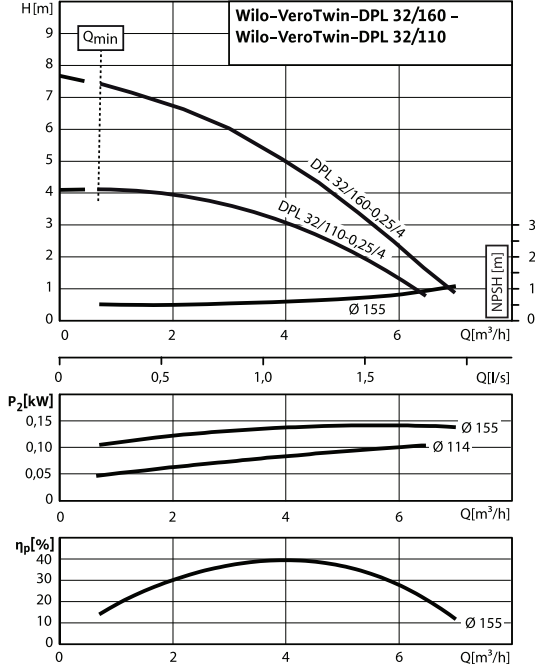
Ürün Özellikleri / Faydalar

- 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

Wilo-VeroTwin-DPL Karakteristik Eğriler

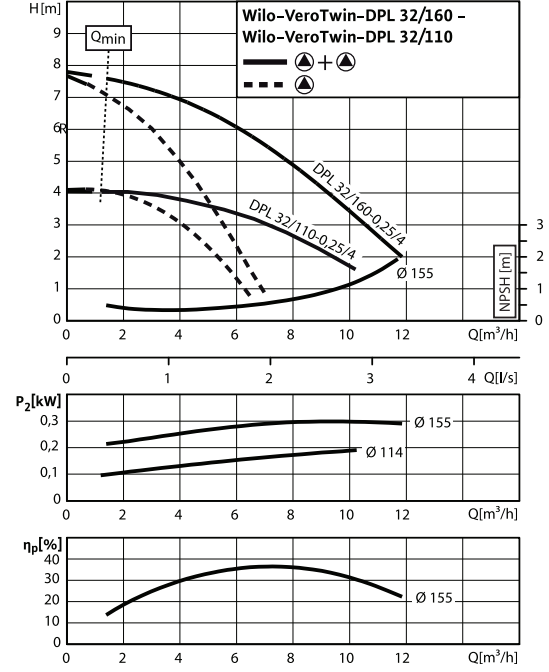
Wilo-VeroTwin-DPL 32/110-0,25/4 - 32/160-0,25/4

Devir hızı 1450 d/d - tekli işletim



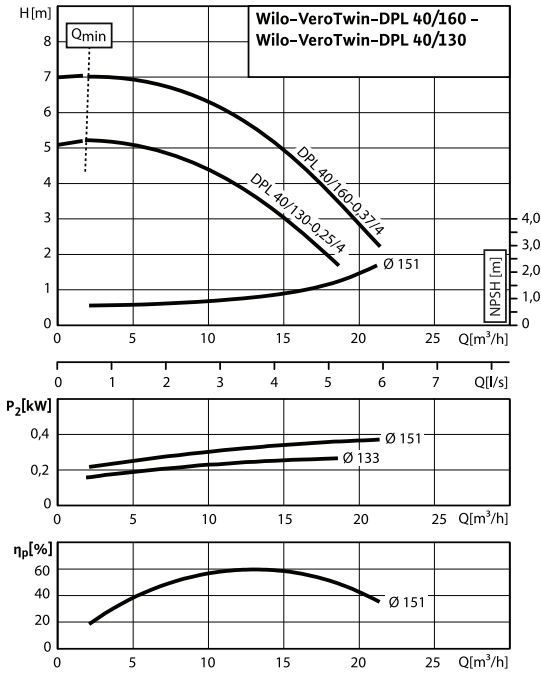
Wilo-VeroTwin-DPL 32/110-0,25/4 - 32/160-0,25/4

Devir hızı 1450 d/d - paralel işletim



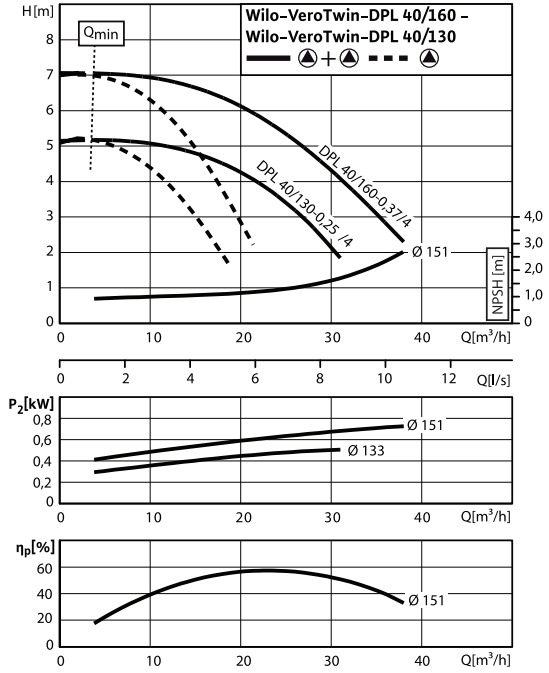
Wilo-VeroTwin-DPL 40/130-0,25/4 - 40/160-0,37/4

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



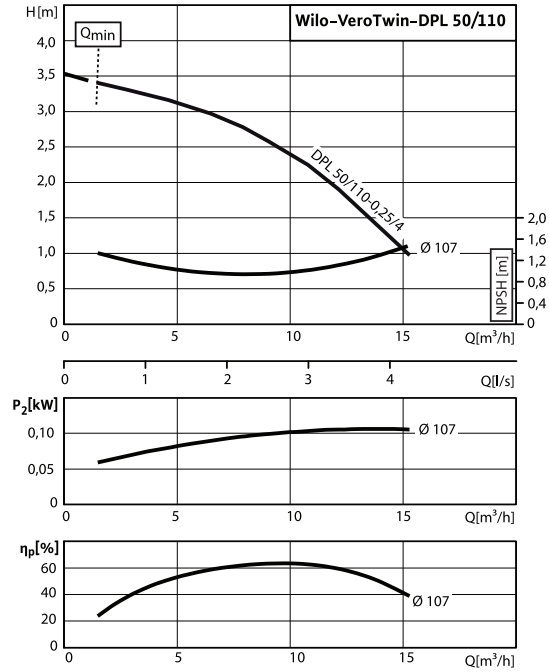
Isıtma, Soğutma, İklimlendirme, Endüstri

Kuru Rotorlu Standart Pompalar (İkiz)

Wilo-VeroTwin-DPL Karakteristik Eğriler

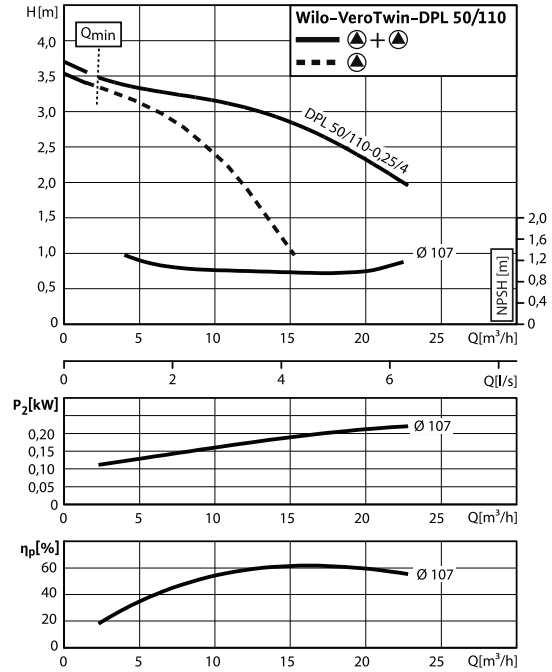
Wilo-VeroTwin-DPL 50/110-0,25/4

Devir hızı 1450 d/d - tekli işletim



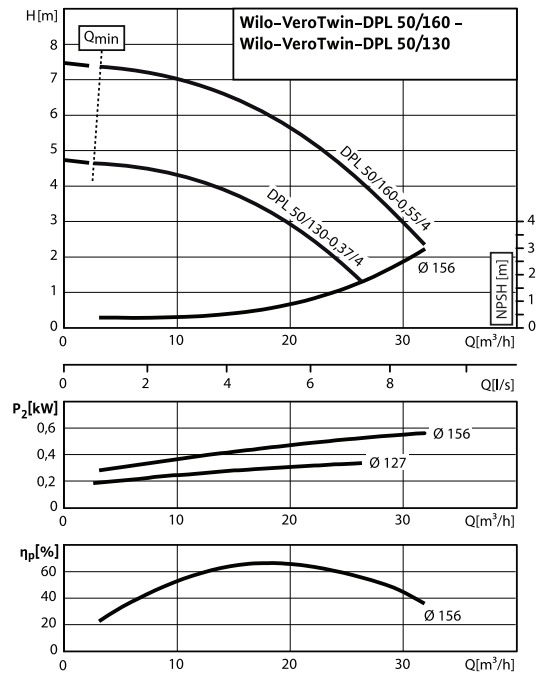
Wilo-VeroTwin-DPL 50/110-0,25/4

Devir hızı 1450 d/d - paralel işletim



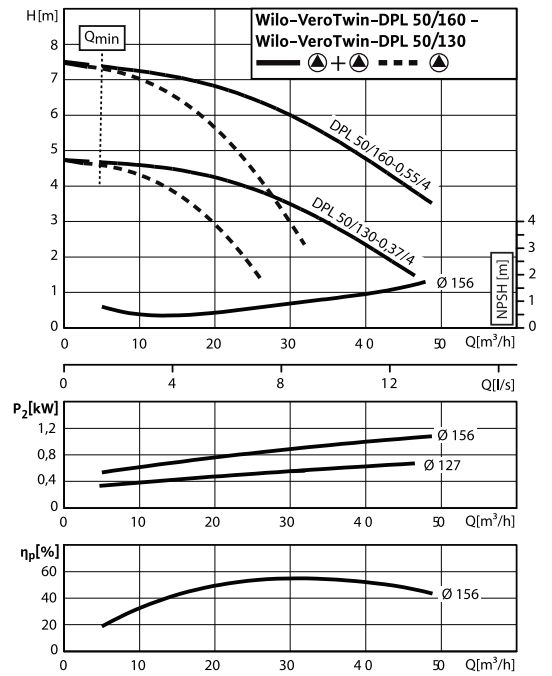
Wilo-VeroTwin-DPL 50/130-0,37/4 - 50/160-0,55/4

Devir hızı 1450 d/d - tekli işletim



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

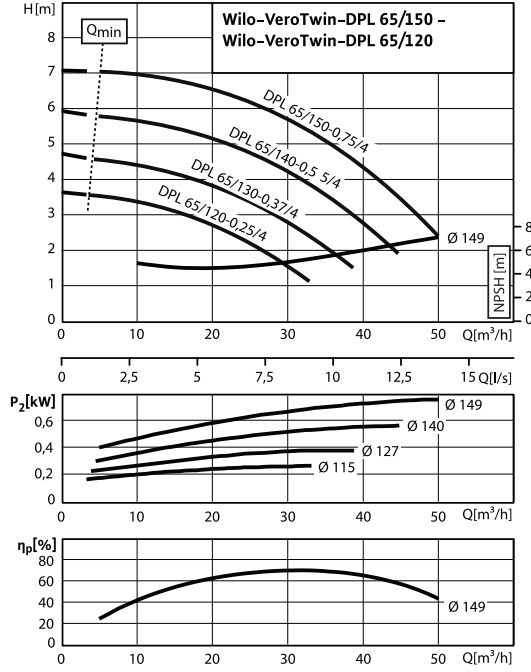
Devir hızı 1450 d/d - paralel işletim



Wilo-VeroTwin-DPL Karakteristik Eğriler

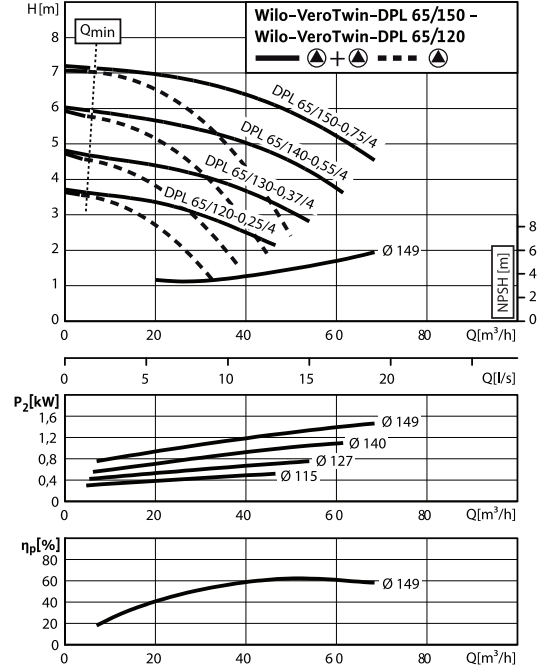
Wilo-VeroTwin-DPL 65/120-0,25/4 - 65/150-0,75/4

Devir hızı 1450 d/d - tekli işletim



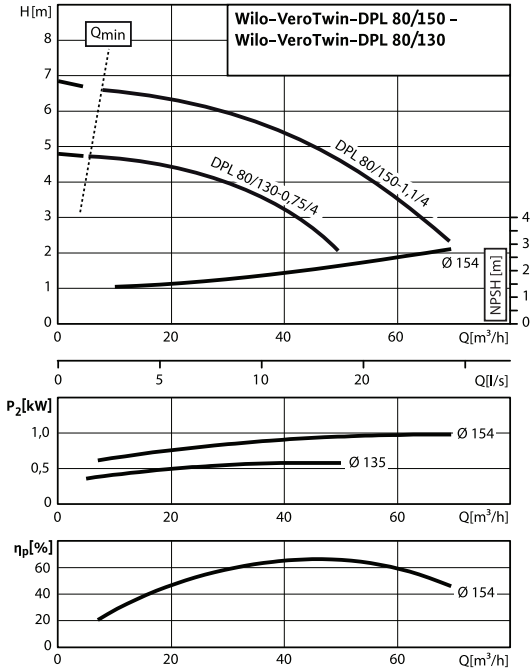
Wilo-VeroTwin-DPL 65/120-0,25/4 - 65/150-0,75/4

Devir hızı 1450 d/d - paralel işletim



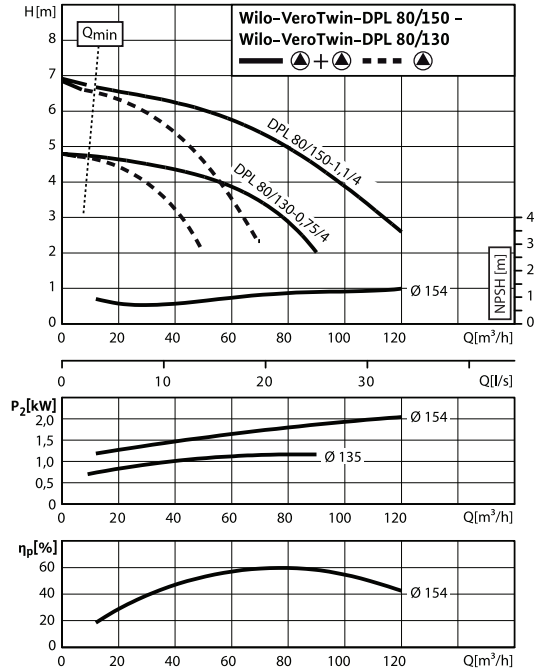
Wilo-VeroTwin-DPL 80/130-0,75/4 - 80/150-1,1/4

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



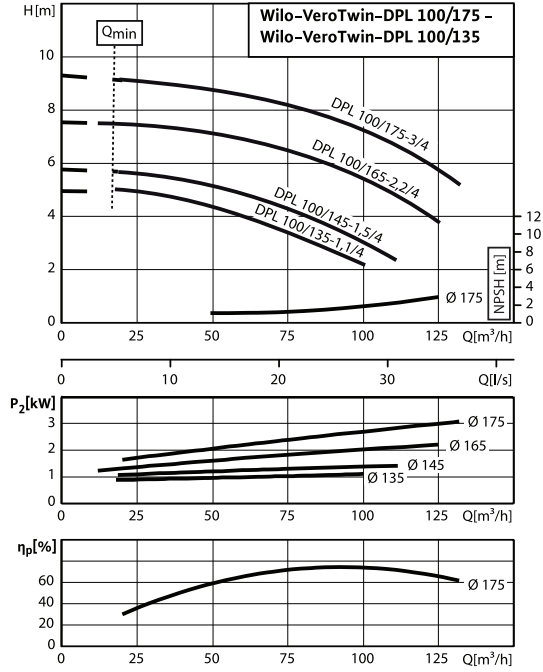
Isıtma, Soğutma, İklimlendirme, Endüstri

Kuru Rotorlu Standart Pompalar (İkiz)

Wilo-VeroTwin-DPL Karakteristik Eğriler

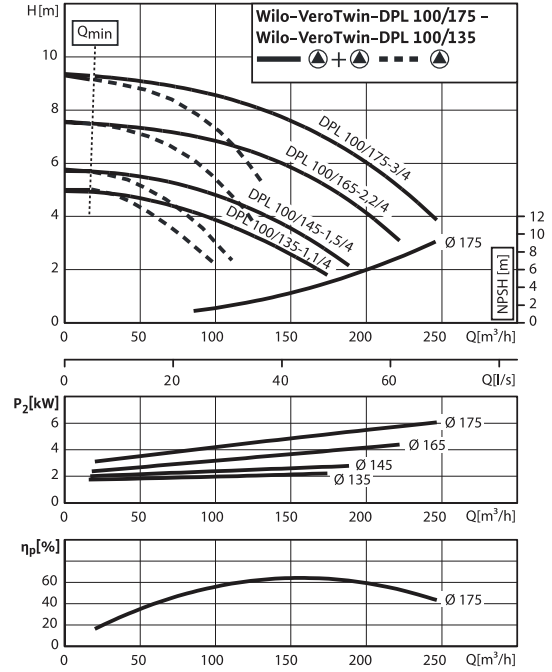
Wilo-VeroTwin-DPL 100/135-1,1/4 - 100/175-3/4

Devir hızı 1450 d/d - tekli işletim



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

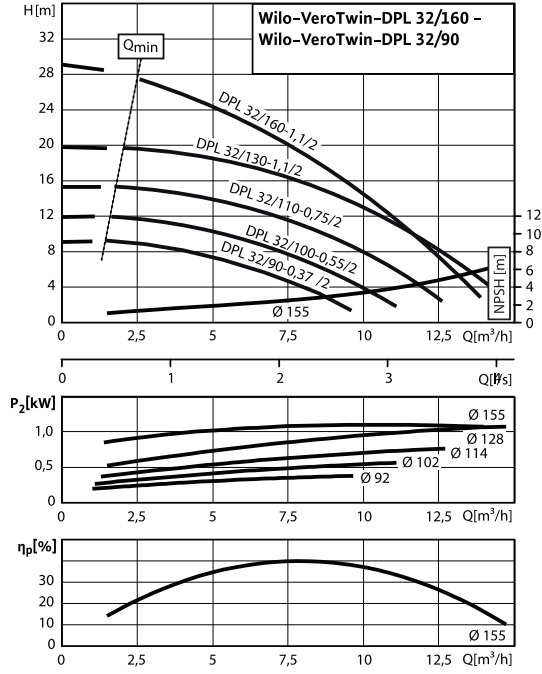
Devir hızı 1450 d/d - paralel işletim



Wilo-VeroTwin-DPL Karakteristik Eğriler

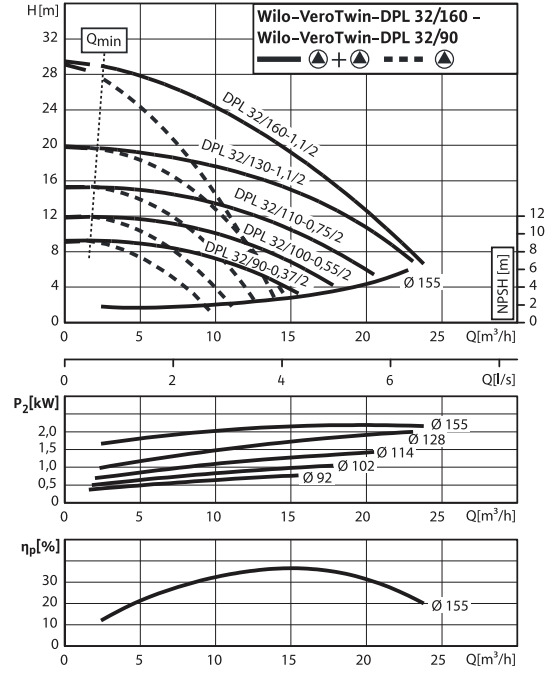
Wilo-VeroTwin-DPL 32/90-0,37/2 - 32/160-1,1/2

Devir hızı 2900 d/d - tekli işletim



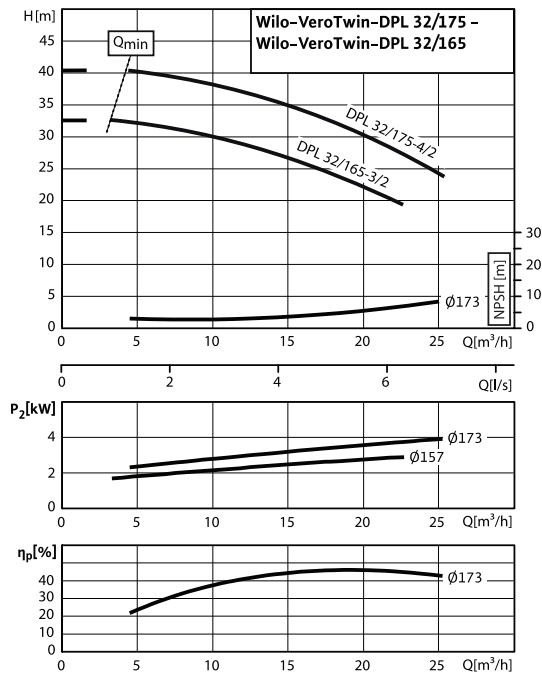
Wilo-VeroTwin-DPL 32/90-0,37/2 - 32/160-1,1/2

Devir hızı 2900 d/d - paralel işletim



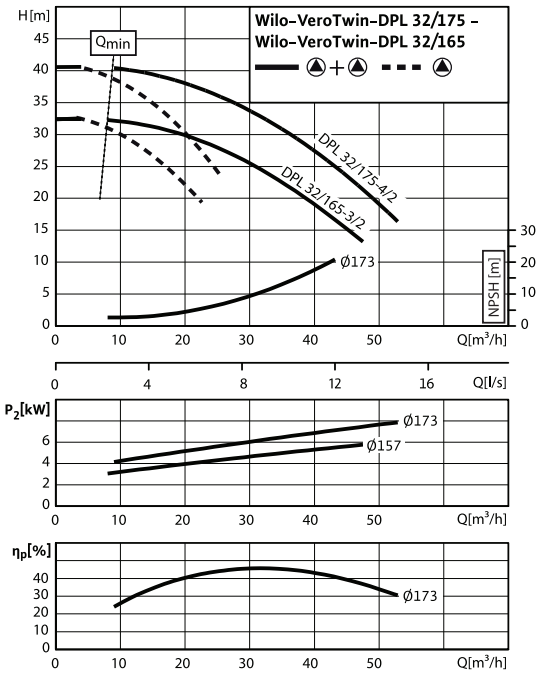
Wilo-VeroTwin-DPL 32/165-3/2 - 32/175-4/2

Devir hızı 2900 d/d - tekli işletim



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

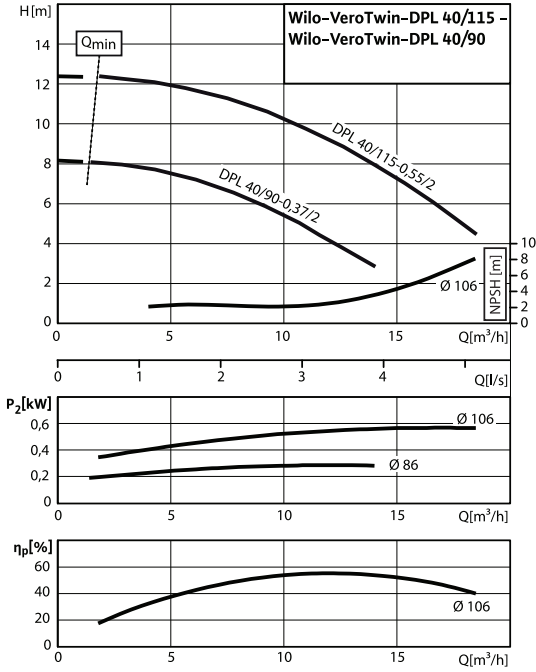
Devir hızı 2900 d/d - paralel işletim



Wilo-VeroTwin-DPL Karakteristik Eğriler

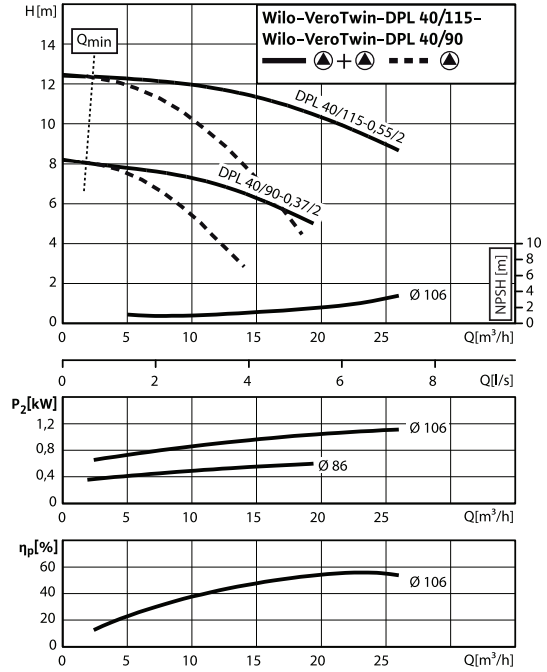
Wilo-VeroTwin-DPL 40/90-0,37/2 - 40/115-0,55/2

Devir hızı 2900 d/d - tekli işletim



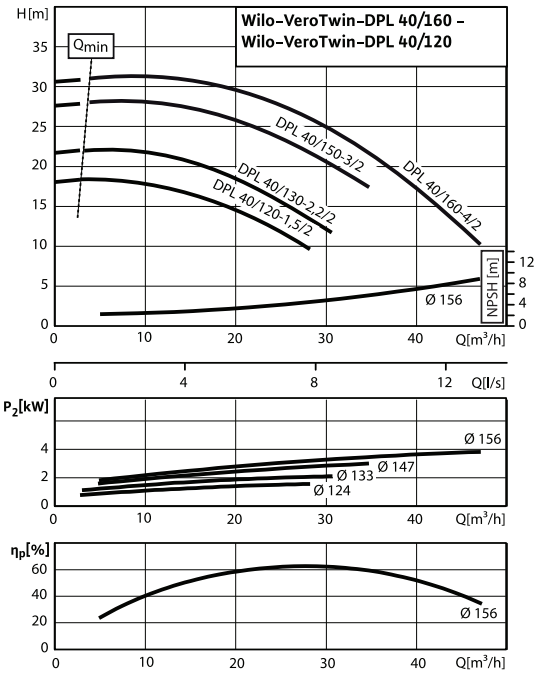
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Devir hızı 2900 d/d - paralel işletim



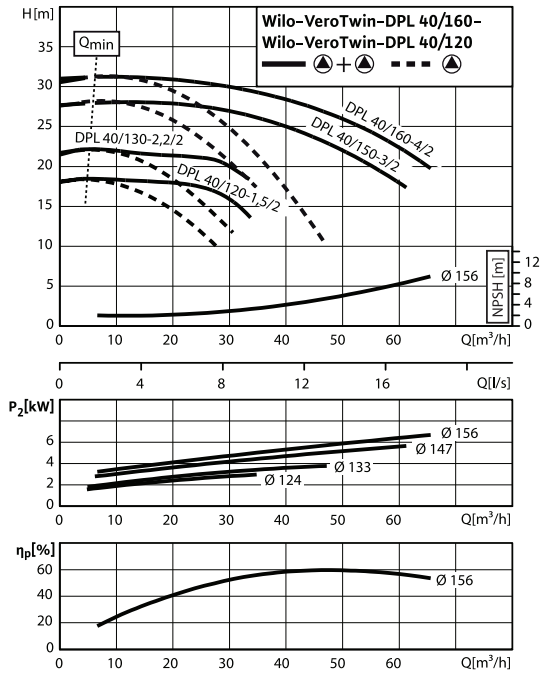
Wilo-VeroTwin-DPL 40/120-1,5/2 - 40/160-4/2

Devir hızı 2900 d/d - tekli işletim



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

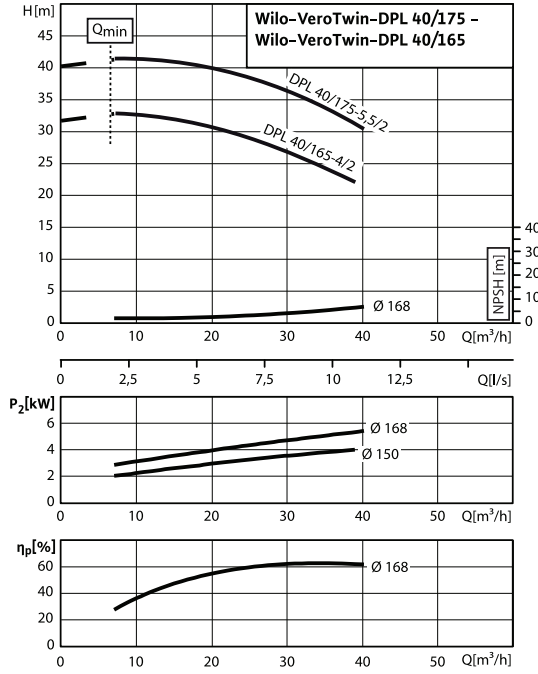
Devir hızı 2900 d/d - paralel işletim



Wilo-VeroTwin-DPL Karakteristik Eğriler

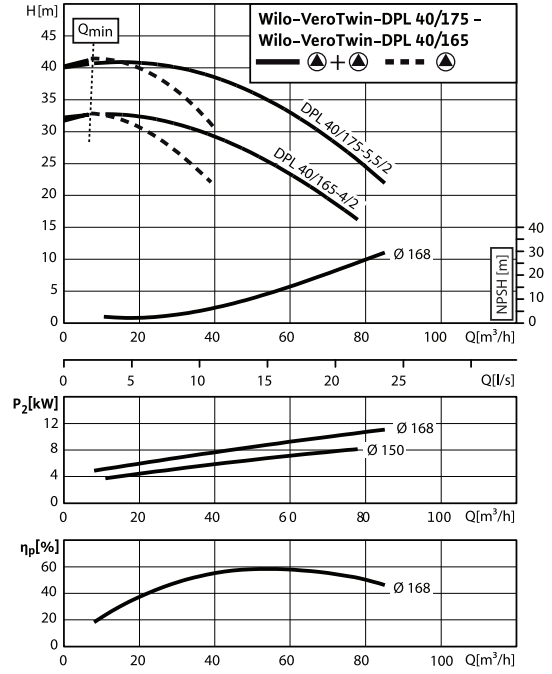
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Devir hızı 2900 d/d - tekli işletim



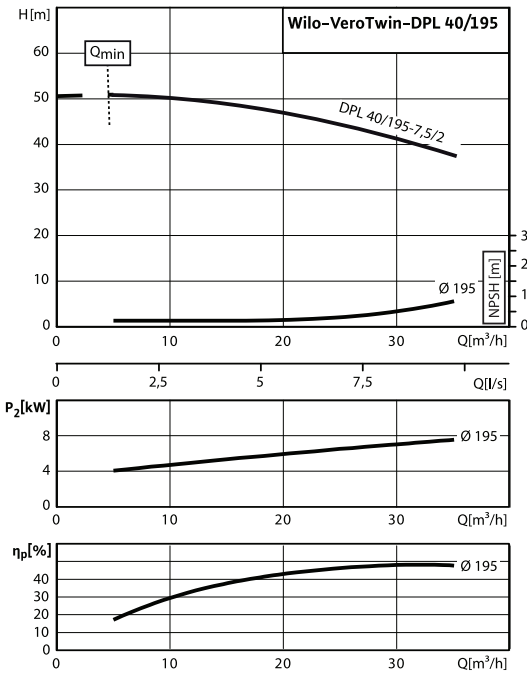
Wilo-VeroTwin-DPL 40/165-4/2 - 40/175-5,5/2

Devir hızı 2900 d/d - paralel işletim



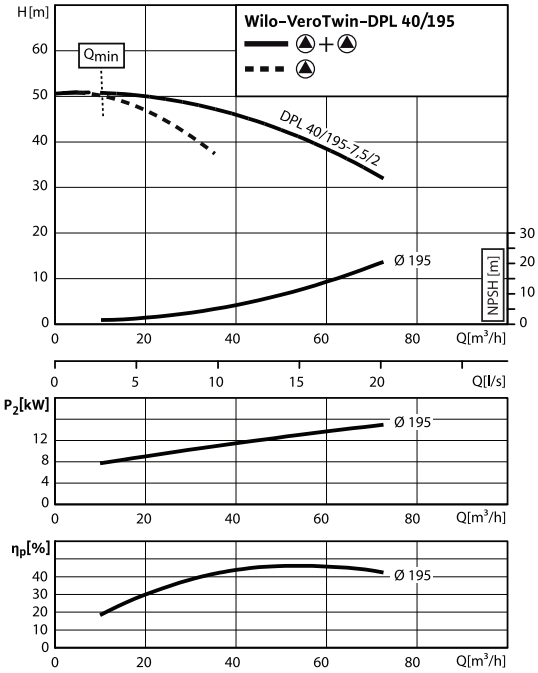
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Devir hızı 2900 d/d - tekli işletim



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

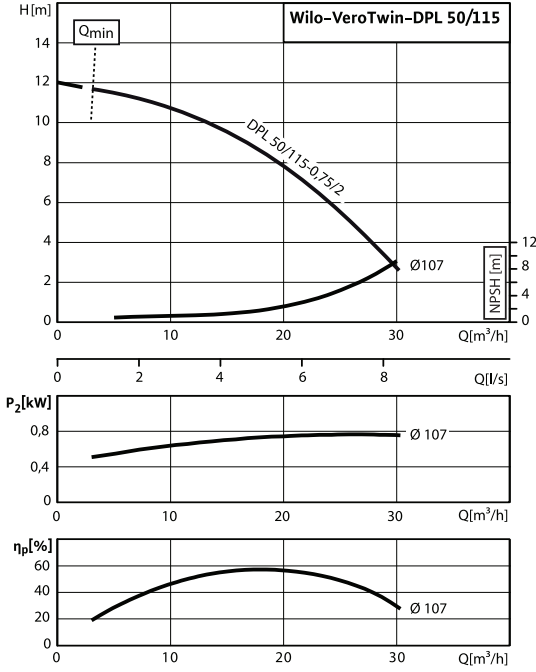
Devir hızı 2900 d/d - paralel işletim



Wilo-VeroTwin-DPL Karakteristik Eğriler

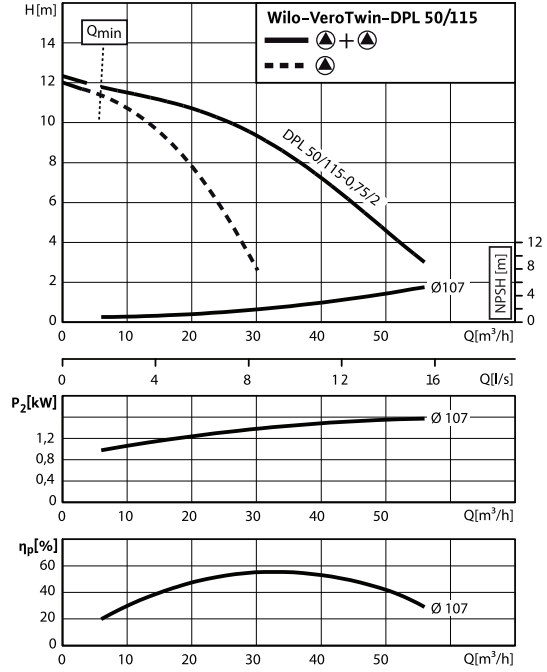
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Devir hızı 2900 d/d - tekli işletim



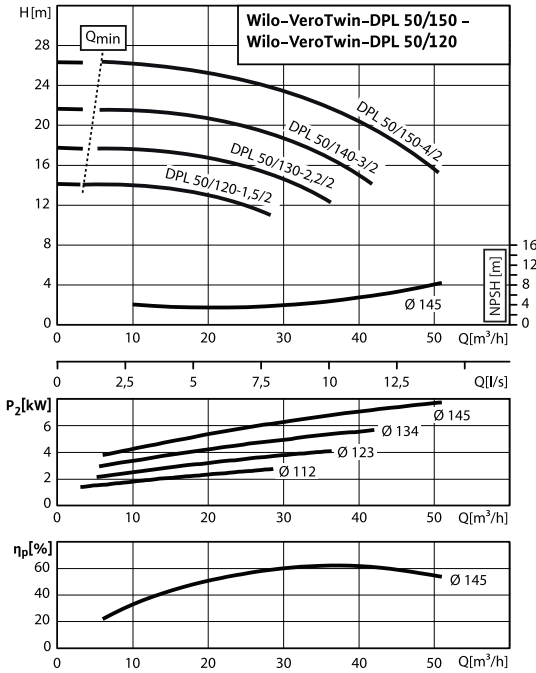
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Devir hızı 2900 d/d - paralel işletim



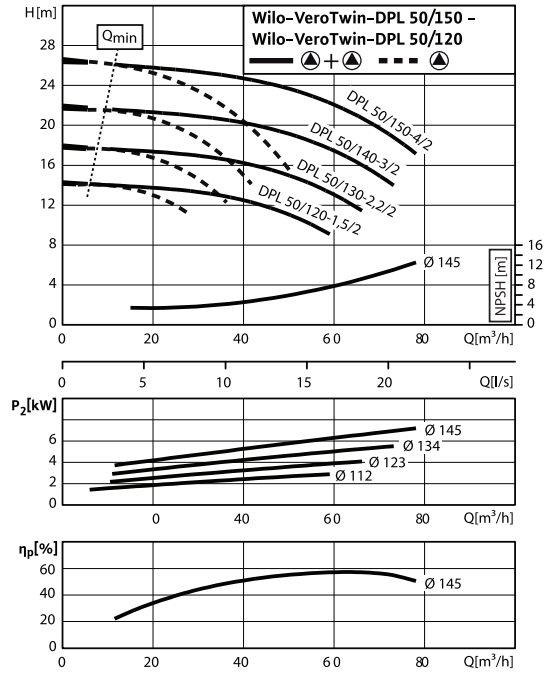
Wilo-VeroTwin-DPL 50/120-1,5/2 - 50/150-4/2

Devir hızı 2900 d/d - tekli işletim



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

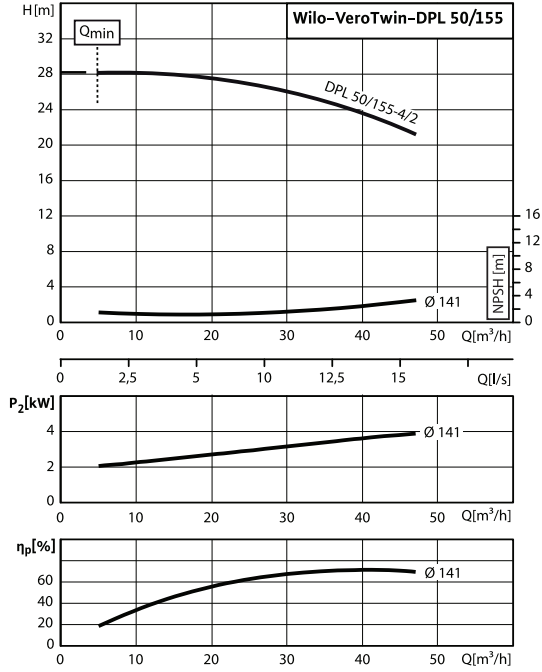
Devir hızı 2900 d/d - paralel işletim



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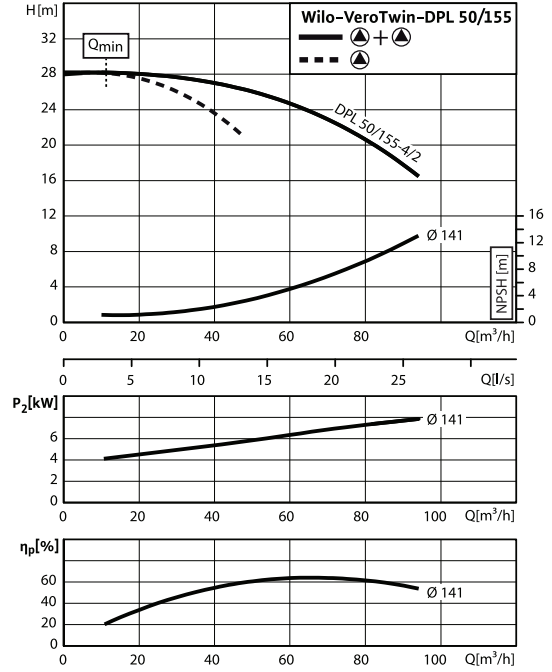
Wilo-VeroTwin-DPL 50/155-4/2

Devir hızı 2900 d/d - tekli işletim



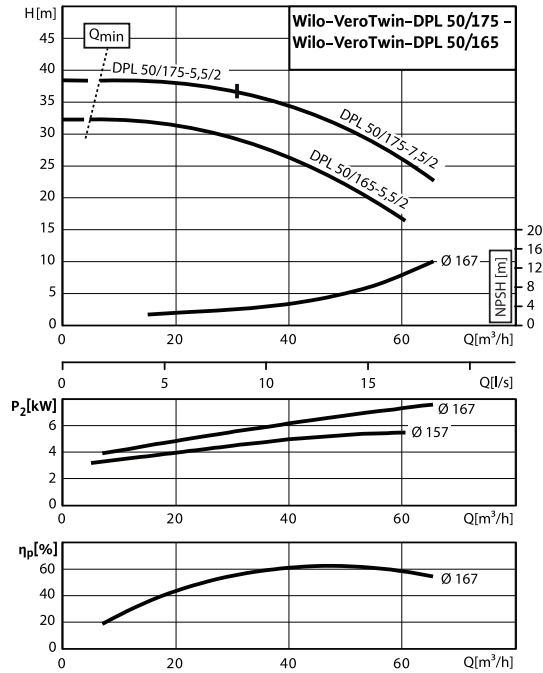
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Devir hızı 2900 d/d - paralel işletim



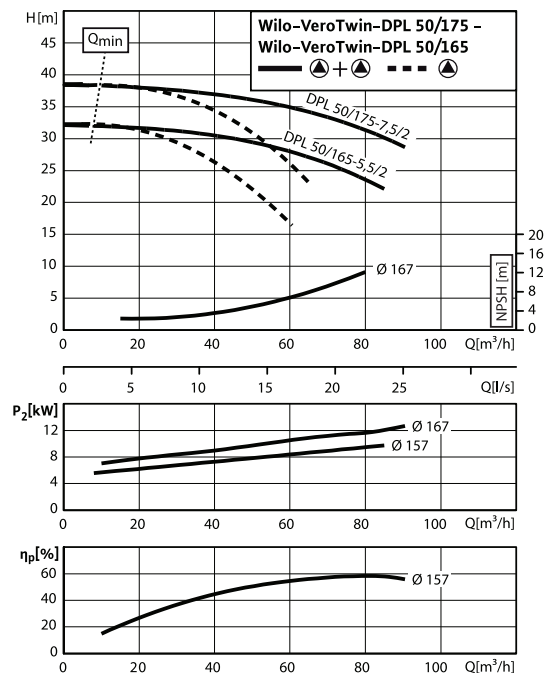
Wilo-VeroTwin-DPL 50/165-5,5/2 - 50/175-5,5/2

Devir hızı 2900 d/d - tekli işletim



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

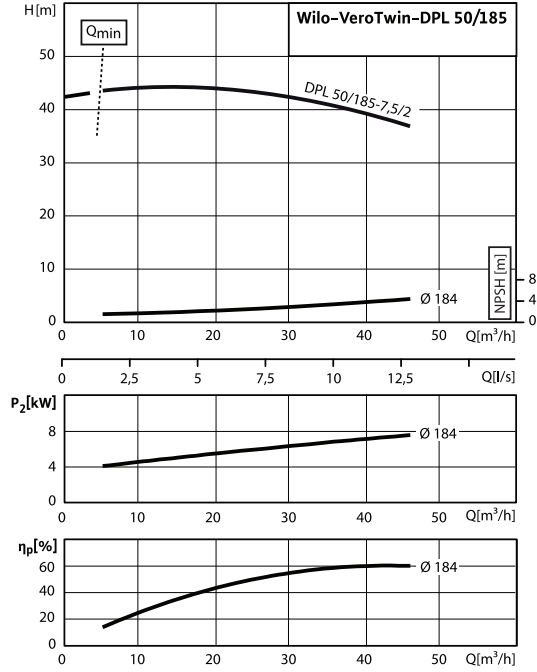
Devir hızı 2900 d/d - paralel işletim



Wilo-VeroTwin-DPL Karakteristik Eğriler

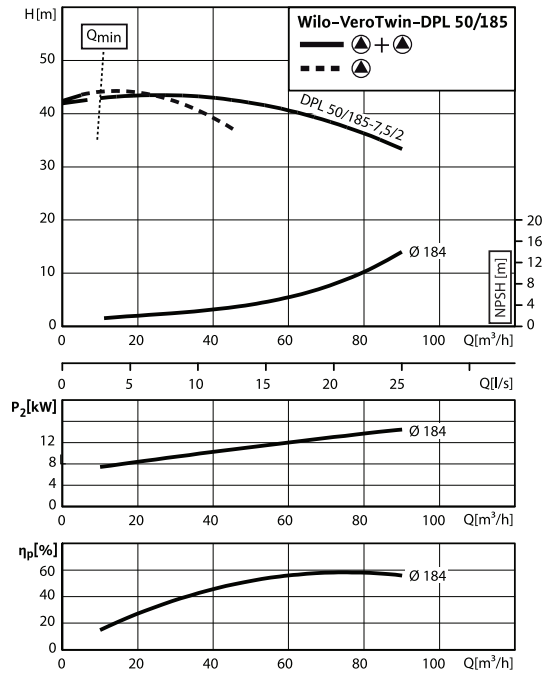
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Devir hızı 2900 d/d - tekli işletim



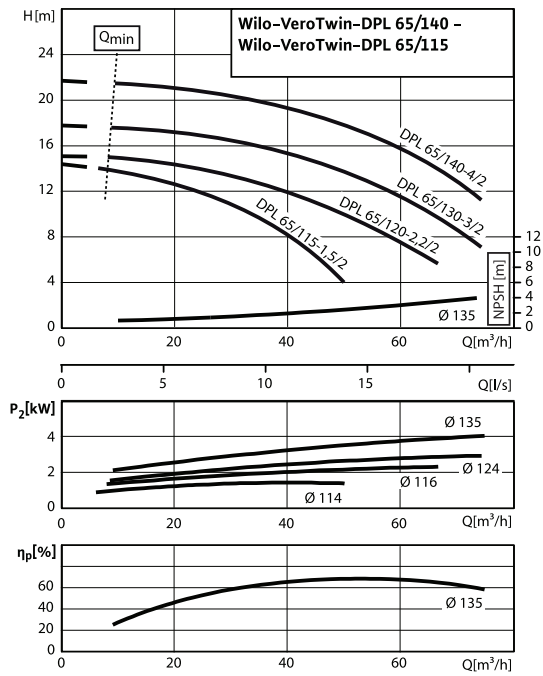
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Devir hızı 2900 d/d - paralel işletim



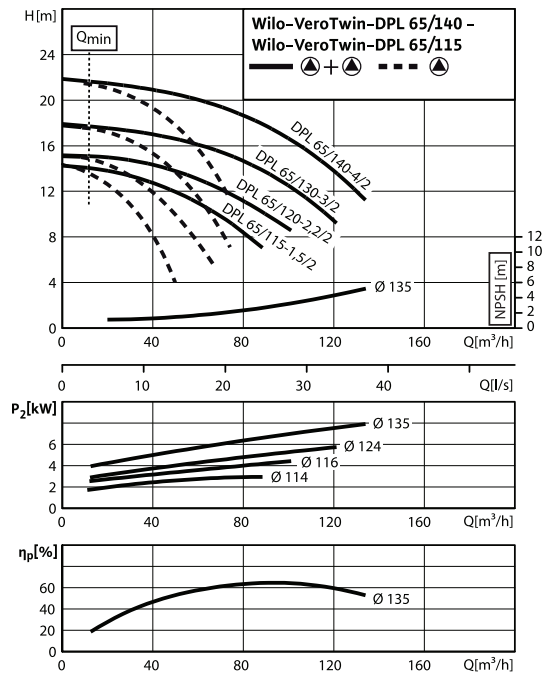
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Devir hızı 2900 d/d - tekli işletim



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

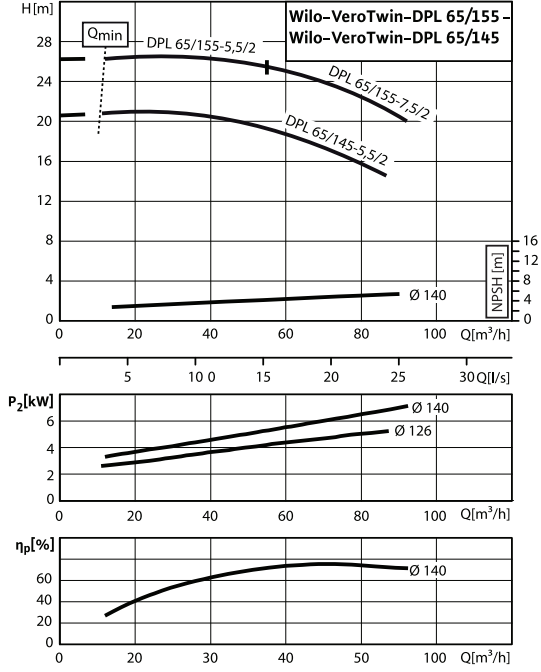
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Wilo-VeroTwin-DPL Karakteristik Eğriler

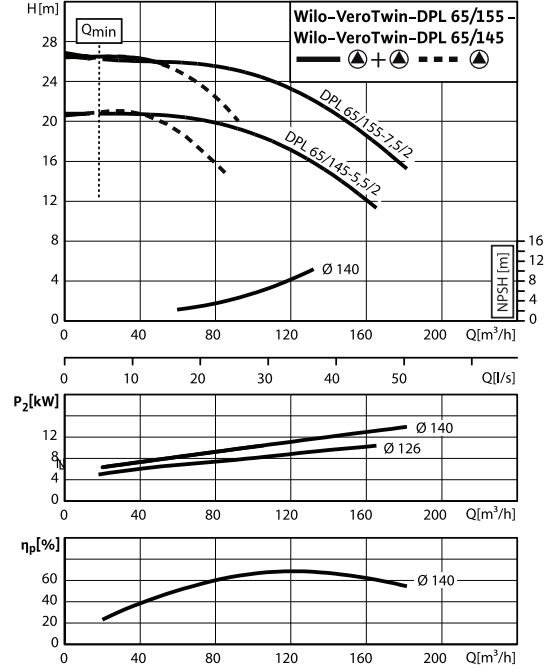
Wilo-VeroTwin-DPL 65/145-5,5/2 - 65/155-7,5/2

Devir hızı 2900 d/d - tekli işletim



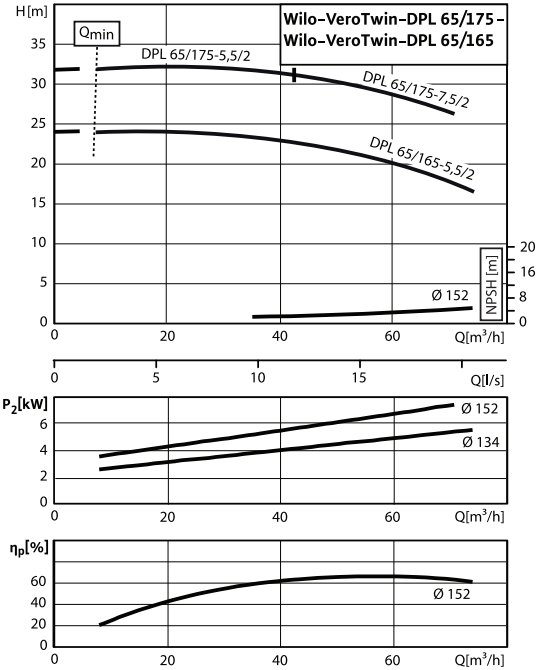
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Devir hızı 2900 d/d - paralel işletim



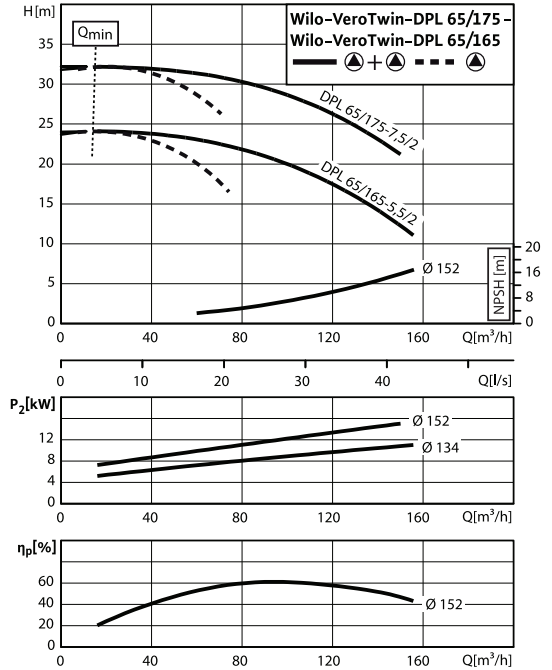
Wilo-VeroTwin-DPL 65/165-5,5/2 - 65/175-7,5/2

Devir hızı 2900 d/d - tekli işletim



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

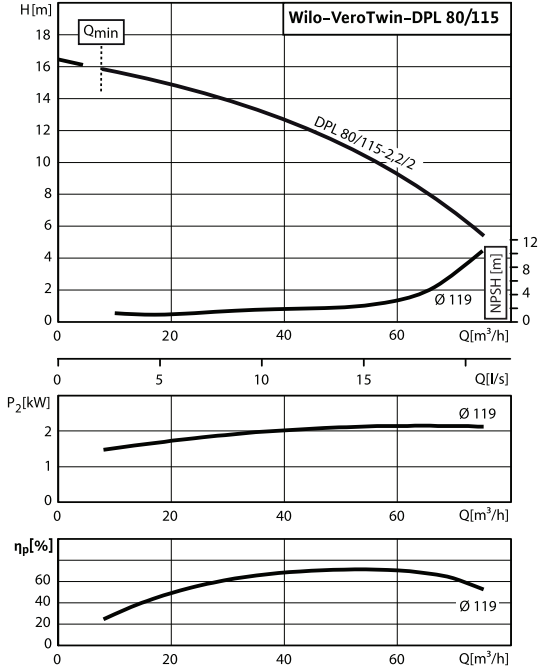
Devir hızı 2900 d/d - paralel işletim



Wilo-VeroTwin-DPL Karakteristik Eğriler

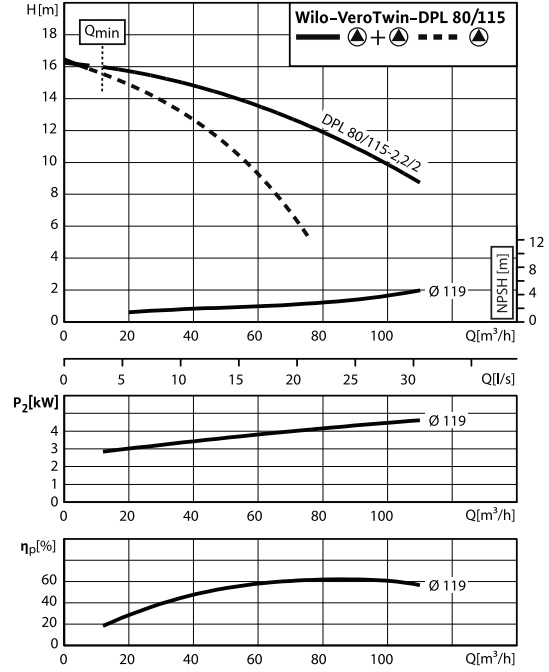
Wilo-VeroTwin-DPL 80/115-2,2/2

Devir hızı 2900 d/d - tekli işletim



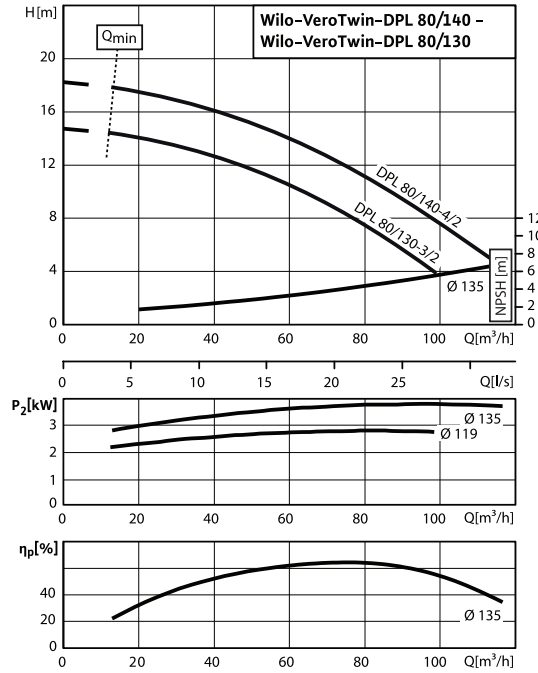
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Devir hızı 2900 d/d - paralel işletim



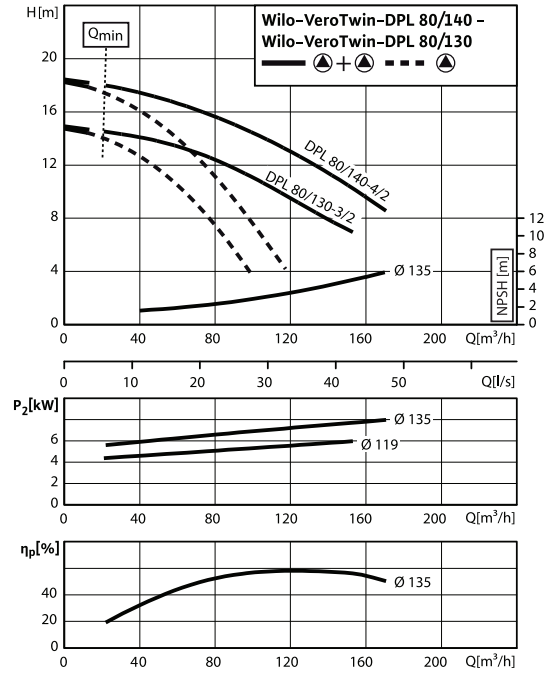
Wilo-VeroTwin-DPL 80/130-3/2 - 80/140-4/2

Devir hızı 2900 d/d - tekli işletim



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

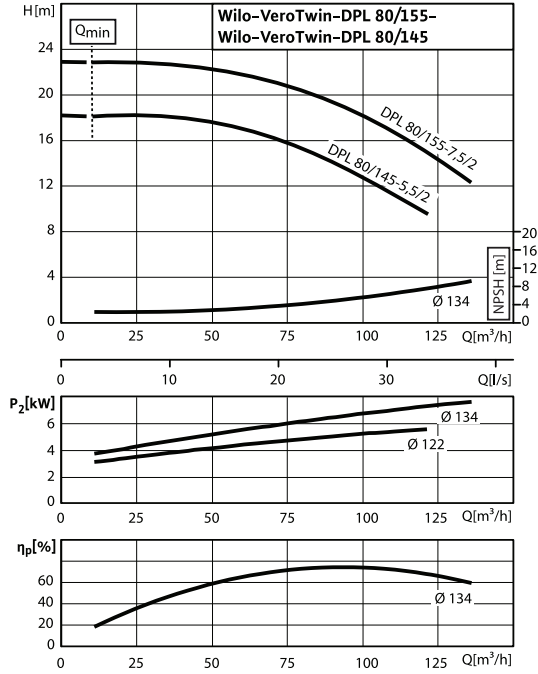
Devir hızı 2900 d/d - paralel işletim



Wilo-VeroTwin-DPL Karakteristik Eğriler

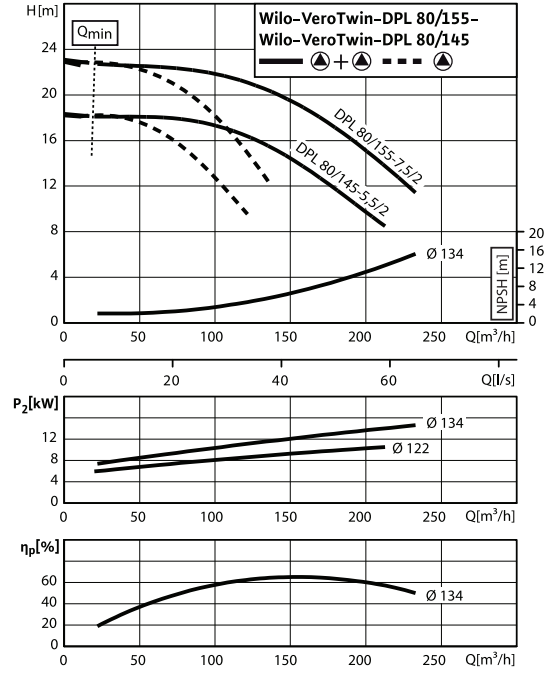
Wilo-VeroTwin-DPL 80/145-5,5/2 - 80/155-7,5/2

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



Isıtma, Soğutma, İklimlendirme, Endüstri

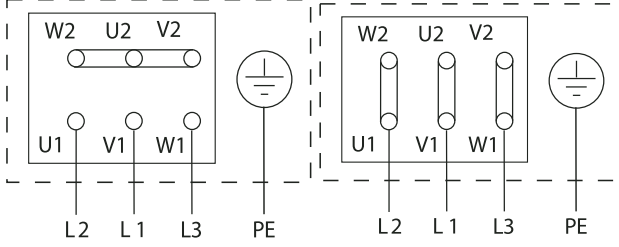
Kuru Rotorlu Standart Pompalar (İkiz)

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.

$P2 \leq 3 \text{ kW}$ 3~400V Y 3~230V Δ

$P2 \geq 4 \text{ kW}$ 3~690V Y 3~400V Δ

Köprüler kaldırılarak, Y- Δ kalkış mümkündür.

Motor Bilgileri (1450 d/d)

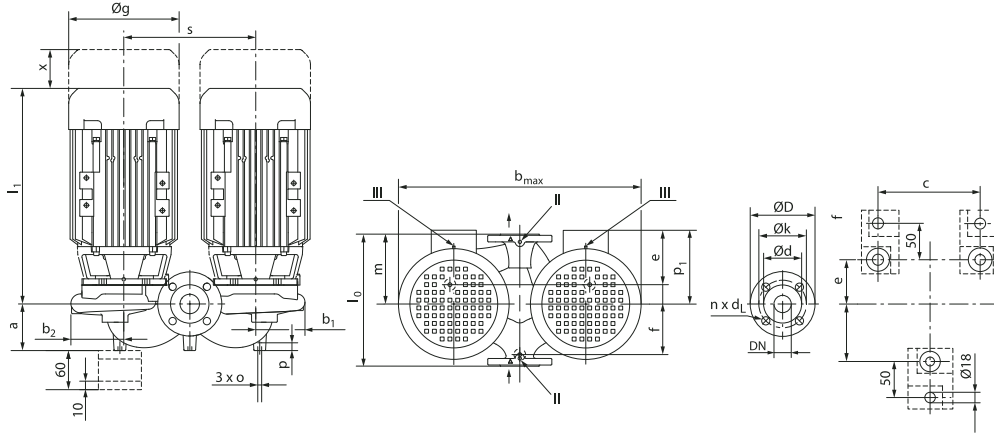
Wilo-VeroTwin-DPL ...	Nominal Akım (yaklaşık)	Güç Faktörü	Verim
	I_N 3~400 V	$\cos \varphi$	η_M
	[A]	-	-
0.25 kW	0.86	0.74	0.61
0.37 kW	1.10	0.75	0.65
0.55 kW	1.70	0.69	0.70
0.75 kW	1.95	0.76	0.73
1.1 kW	2.90	0.78	0.74
1.5 kW	3.35	0.82	0.79
2.2 kW	4.70	0.83	0.82
3 kW	6.40	0.83	0.83

Motor Bilgileri (2900 d/d)

Wilo-VeroTwin-DPL ...	Nominal Akım (yaklaşık)	Güç Faktörü	Verim
	I_N 3~400 V	$\cos \varphi$	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

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	$\varnothing g$	l_{1max}	m	o	p	p_1			s	x	-	M
			-	[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

Isıtma, Soğutma, İklimlendirme, Endüstri

Kuru Rotorlu Standart Pompalar (İkiz)

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

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