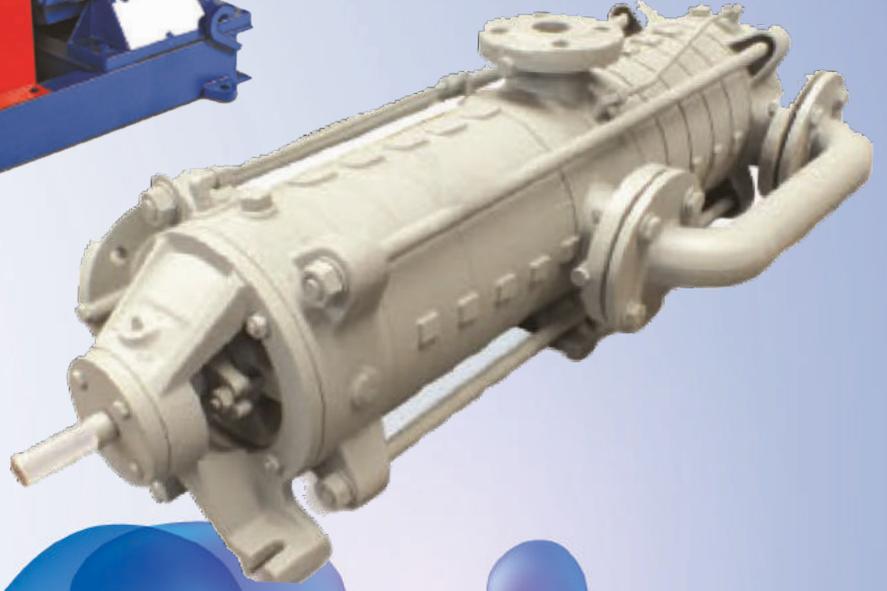




CE



KY-X SERIES PUMP

Designed For Building Systems, Power Plants and Cooling
Quite and High Efficiency.
Pump Dimensions are Acceptable TS EN 7333 Standart

KY-X SERİSİ POMPA

Enerji Santralleri, Soğutma ve Bina Sistemleri için Tasarlanmıştır.
Sessiz ve Yüksek Verimli
Pompa Ölçüleri TSE EN 733 Standartlarına Uygundur.



Özkan

POMPA SANAYİ

www.ozkanpompa.com.tr

1. General Information / Genel Bilgiler

Discharge Flange	: DN 32 ... DN 150 mm
Capacity	: 450 m ³ /h
Head	: 550 m
Speed	: 1450-2900 d/dak
Operating Temperature	: from -10°C to 110°C
Pressure (Pmax)*	: 30 bar (63 bar optional)
*(Pmax= Suction Pressure + Head in Close Valve)	

Basma Flanşı	: DN 32 ... DN 150 mm
Debi	: 450 m ³ /h
Basma Yüksekliği	: 550 m
Hız	: 1450-2900 d/dak
Çalışma Sıcaklığı	: from -10°C to 110°C
Gövde Basıncı (Pmaks)*	: 30 bar (63 bar opsiyonel)
*(Pmaks=Emme Basıncı + Kapalı Vanadaki Basma Yüksekliği)	

Dischargeable Liquids

Non-corrosive, without solid particles and fibers in, clean or slightly polluted and low viscosity liquids.

Basılabilen Sıvılar

Aşındırıcı olmayan, içinde katı parçacıklar ve elyaf bulunmayan, temiz veya çok hafif kirli, düşük viskoziteli sıvılar

Usage Areas

- Building systems
- Iron and Steel Industry
- Power plants
- Food Industry
- Cooling, Heating, Ventilation
- Chemical Industry
- Oil Industry
- Agricultural Irrigation and Drainage

Kullanım Yerleri

- Bina Sistemleri
- Demir Çelik Endüstrisi
- Enerji Santralleri
- Gıda Endüstrisi
- Isıtma Soğutma Havalandırma
- Kimya Endüstrisi
- Petrol Endüstrisi
- Tarımsal Sulama ve Drenaj

2. Materials / Malzemeler

	MATERIAL NAME MALZEME ADI	EN-DIN	ASTM
SUCTION DISCHARGE IMPELLER DIFFUSER	Cast Iron Pik Döküm	GJL-250 (GG 25)	A 48 Class 40-B
	*Ductile Cast Iron *Sfero Döküm	GJS-400-15 (GGG 40)	A 536 Gr. 60-40-18
	*Cast Steel *Çelik Döküm	GP240GH (GS-C 25)	A 216 Gr. WCB
	*Cast Bronze *Bronz Döküm	G-Cu Sn 10	B 584 C 90700
EMİCİ VERİCİ DİFÜZÖR ÇARK	*Chrome Steel *Kromlu Çelik	X20 Cr13	A 276 Type 420
	*Chrome Nickel Steel *Krom Nikel Çelik	X5 Cr Ni 18-10	A 276 Type 304
	*Chrome Nickel Steel (Low Carbon) *Krom Nikel Çelik (Düşük Karbon)	X2 Cr Ni 19-11	A 276 Type 304L
	*Chrome Nickel Molybdenum Steel *Krom Nikel Molibdenli Çelik	X5 Cr Ni Mo 17-12-2	A 276 Type 316
	*Chrome Nickel Molybdenum Steel (Low Carbon) *Krom Nikel Molibdenli Çelik (Düşük Karbon)	X2 Cr Ni Mo 17-12-2	A 276 Type 316L



	MATERIAL NAME MALZEME ADI	EN-DIN	ASTM
SHAFT MİL	Chrome Steel Kromlu Çelik	X20 Cr13	A 276 Type 420
	*Carbon Steel *Karbonlu Çelik	C 45	A 29/108/576 1045
	*Chrome Nickel Steel *Krom Nikel Çelik	X5 Cr Ni 18-10	A 276 Type 304
	*Chrome Nickel Steel (Low Carbon) *Krom Nikel Çelik (Düşük Karbon)	X2 Cr Ni 19-11	A 276 Type 304L
	*Chrome Nickel Molybdenum Steel *Krom Nikel Molibdenli Çelik	X5 Cr Ni Mo 17-12-2	A 276 Type 316
	*Chrome Nickel Molybdenum Steel (Low Carbon) *Krom Nikel Molibdenli Çelik (Düşük Karbon)	X2 Cr Ni Mo 17-12-2	A 276 Type 316L
	*Duplex (Austenitic-Ferritic) Steel *Dubleks (Östenitik-Ferritik) Çelik	X2 Cr Ni Mo N 22-5-3	A 276 (32205)

3. Seal / Salmastra

- On standard manufacturing up to 110°C there will be used soft stuffing box. Between 110°C and 140°C soft stuffing box and cooled seal will be used..
- Upon request, mechanical seal will be used.

- Standart imalatta 110°C'ye kadar yumuşak salmastra kullanılır. 110°C ile 140°C arasında ise yumuşak salmastra ve soğutmalı salmastra kullanılır.
- İstek halinde mekanik salmastra da kullanılmaktadır.



4. Bearing / Rulman

BEARING TYPES FOR 1450 rpm / 1450 d/d İÇİN RULMAN TİPİ			
PUMP TYPE POMPA TİPİ	STAGE NUMBER KADEME SAYISI	BEARING TYPES / RULMAN TİPİ	
		SUCTION EMME	DISCHARGE BASMA
32	2 ... 14	NU 305	6305
40	2 ... 13	NU 305	6305
50	2 ... 12	NU 306	6306
65	2 ... 8	NU 307	6307
	9 ... 11*	NU 307	NU 307
80	2 ... 8	NU 308	3308
	9 ... 14*	NU 308	NU 308
100	2 ... 7	NU 309	3309
	8 ... 15*	NU 309	NU 309
	2 ... 5	NU 310	3310
150	6 ... 12*	NU 310	NU 310
	2 ... 3	NU 312	3312
	4 ... 10*	NU 312	NU 312

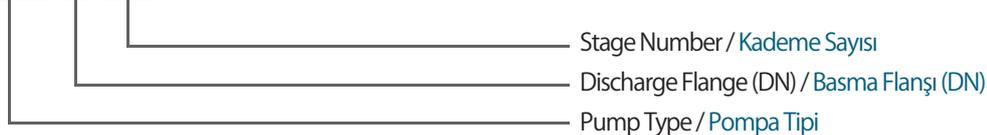
BEARING TYPES FOR 2900 rpm / 2900 d/d İÇİN RULMAN TİPİ			
PUMP TYPE POMPA TİPİ	STAGE NUMBER KADEME SAYISI	BEARING TYPES / RULMAN TİPİ	
		SUCTION EMME	DISCHARGE BASMA
32	2 ... 8	NU 305	6305
	9 ... 13*	NU 305	6405
40	2 ... 6	NU 305	6305
	7 ... 9*	NU 305	6405
	10 ... 14**	NU 305	7305x2
50	2 ... 5	NU 306	6306
	6 ... 8*	NU 306	6406
	8 ... 12**	NU 306	7306x2
65	2 ... 4	NU 307	6307
	5 ... 10*	NU 307	NU 307
	6 ... 10**	NU 307	7307x2
80	2 ... 4	NU 308	3308
	5 ... 8*	NU 308	NU 308

*= KY-X DD(Balancing Disc / Dengeleme Diskli)

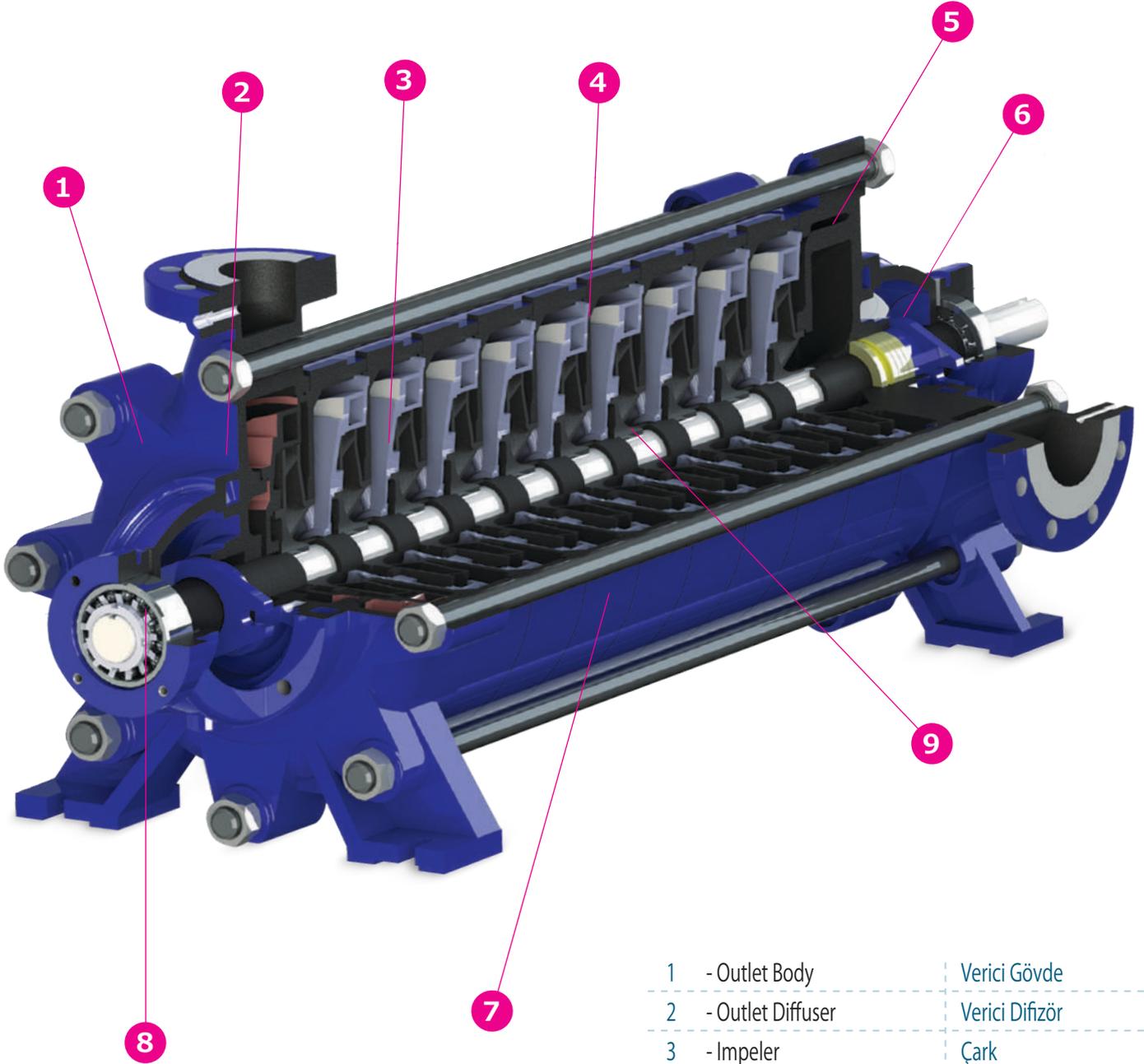
**=KY-X KC (Opposite Impeller / Karşıt Çarklı)

Code of Pump / Pompa Kodu

KY-X 32-08

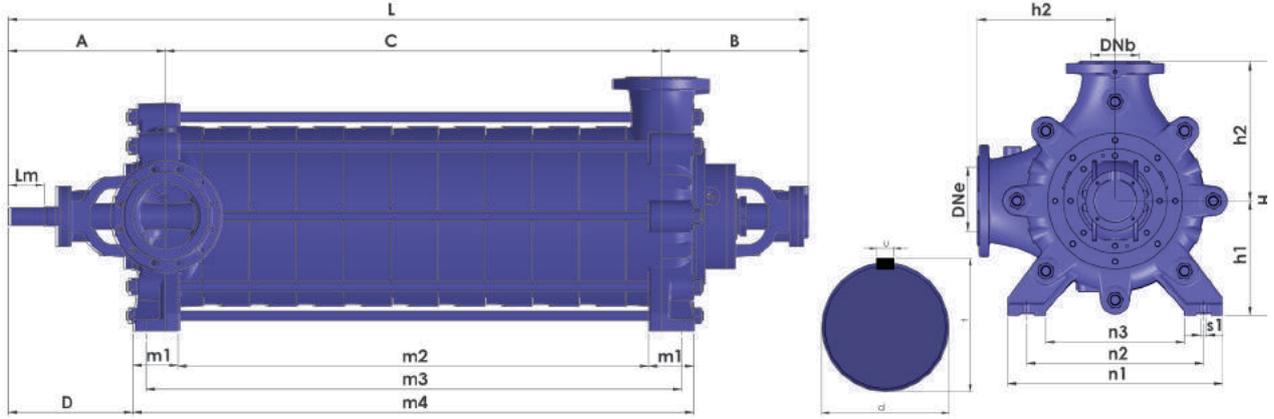


3.Seal / Salmastra



1	- Outlet Body	Verici Gövde
2	- Outlet Diffuser	Verici Difüzör
3	- Impeler	Çark
4	- Interim Outlet	Ara Difüzör
5	- Suction Body	Emici Gövde
6	- Gland Packing	Yumuşak Salmastra
7	- Stage Body	Kademe Gövdesi
8	- Bearing	Rulman
9	- Shaft	Mil

4.KY-X Series Pumps Dimensions / KY-X Serisi Pompa Ölçüleri

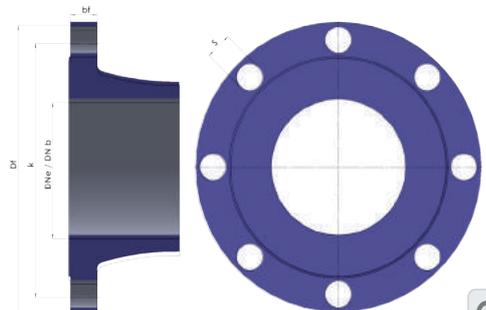


PUMP TYPE POMPA TİPİ	DIMENSIONS / ÖLÇÜLER (mm)																SHAFT DIMENSIONS MIL UCU ÖLÇÜLERİ				WEIGHT AĞIRLIK (kg)		
	DNe	DNb	A	B	D	L	h1	h2	H	m1	m2	m3	m4	n1	n2	n3	s1	d	Lm	t	u	G	g
32	40	32	242	161	143	C+403	132	152	284	60	C+94	C+184	C+214	193	135	75	16	24	60	27	8	45	6,5
40	50	4	164	130	C+403	160	175	335	62	C+94	C+184	C+218	174	120	16	24	60	27	8	58	10		
50	65	50	254	175	141	C+429	160	190	350	60	C+109	C+199	C+229	255	198	140	16	28	65	31	8	90	13,5
65	80	65	271	198	150	C+469	180	215	395	60	C+126	C+212	C+246	298	241	180	16	32	65	35	10	93	21
80	100	80	325	251	262	C+576	210	265	475	88	C-48	C+98	C+128	415	340	222	16	38	80	41	10	129	26,5
100	125	100	393	287	314	C+679	250	300	550	100	C-39	C+119	C+161	450	360	267	16	42	110	45	12	178	43
125	150	125	421	305	323	C+725	300	375	675	100	C-24	C+148	C+189	565	455	350	20	48	110	51,5	14	332	76
150	200	150	485	365	384	C+846	350	425	775	140	C-76	C+142	C+202	663	545	426	23	55	110	62	16	582	121

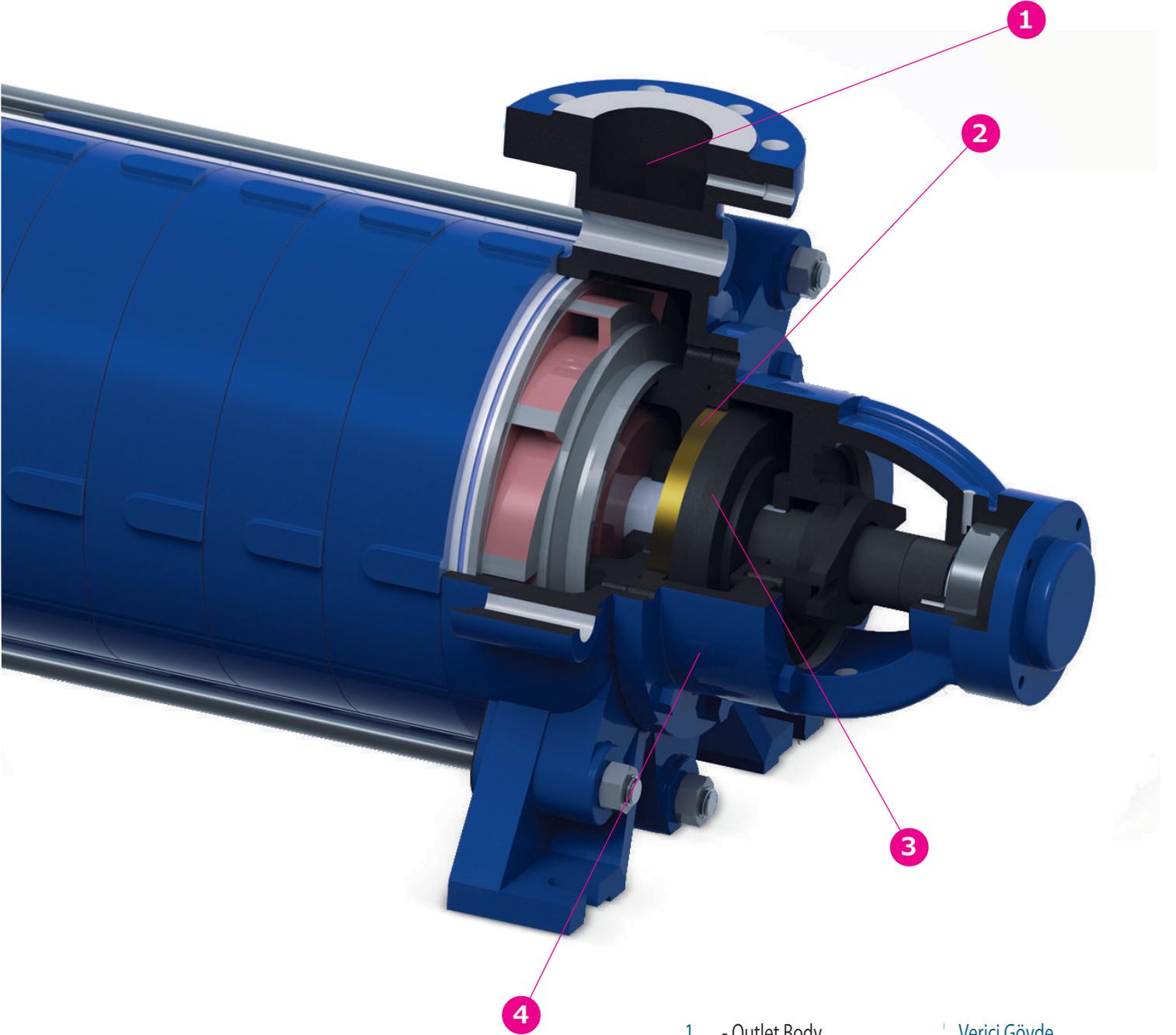
PUMP TYPE POMPA TİPİ	"C" DIMENSIONS DEPENDS ON STAGE NUMBER KADEME SAYISINA GÖRE "C" ÖLÇÜSÜ (mm)													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14
32	69	112	155	198	241	284	327	370	413	456	499	542	585	628
40	78	133	188	243	298	353	408	463	518	573	628	683	738	-
50	90	152	214	276	338	400	462	524	586	648	710	772	-	-
65	109	180	251	322	393	464	535	606	677	748	819	-	-	-
80	107	190	273	356	439	522	605	688	771	854	-	-	-	-
100	123	223	323	423	523	623	723	823	-	-	-	-	-	-
125	153	268	383	498	613	728	843	-	-	-	-	-	-	-
150	221	366	511	656	801	-	-	-	-	-	-	-	-	-

Weight / Ağırlık = G + (g x n)
n = Stage Number / Kademe Sayısı

Pump Type Pompa Tipi	Suction (PN 16) / Emme (PN 16)						Pressure (PN40) / Basma (PN 16)					
	DNe	Df	k	s	n	bf	DNb	Df	k	s	n	bf
32	50	165	125	18	4	20	32	140	100	18	4	18
40	65	185	145	18	4	20	40	150	110	18	4	18
50	65	185	145	18	4	20	50	165	125	18	4	20
65	80	200	160	18	8	22	65	185	145	18	4	20
80	100	220	180	18	8	24	80	200	160	18	8	22
100	125	250	210	18	8	26	100	220	180	18	8	24
125	150	285	240	23	8	26	125	250	210	18	8	26
150	200	240	295	23	12	30	150	285	240	23	8	26

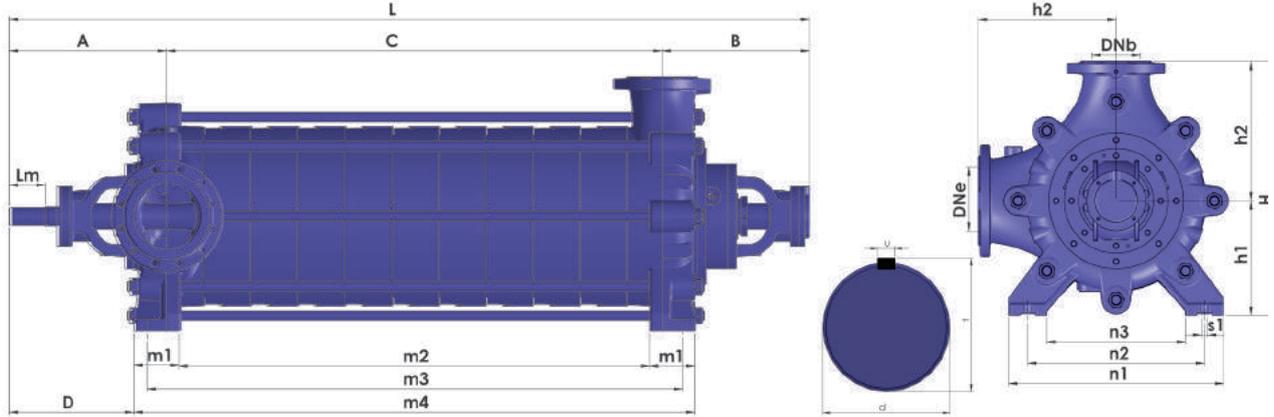


6.KY-X DD Series / KY-X DD Serisi



1	- Outlet Body	Verici Gövde
2	- Opposite Balancing Disc	Dengeleme Disk Karşısı
3	- Balancing Disc	Dengeleme Diski
4	- Disc Box	Disk Yatağı

KY-X DD Series Pumps Dimensions / KY-X DD Serisi Pompa Ölçüleri

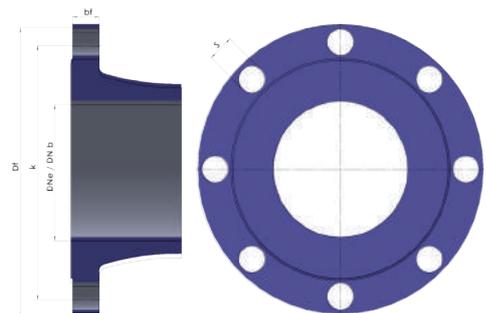


PUMP TYPE POMPA TIPI	DIMENSIONS / ÖLÇÜLER (mm)																SHAFT DIMENSIONS MİL UCU ÖLÇÜLERİ				WEIGHT AĞIRLIK (kg)		
	DNe	DNb	A	B	D	L	h1	h2	H	m1	m2	m3	m4	n1	n2	n3	s1	d	Lm	t	u	G	g
65	80	65	271	269	150	C+540	180	215	395	60	C+197	C+283	C+317	298	241	180	16	32	65	35	10	113	21
80	100	80	325	311	262	C+639	210	265	475	88	C-48	C+98	C+128	415	340	222	16	38	80	41	10	147	26,5
100	125	100	393	371	314	C+763	250	300	550	100	C-39	C+119	C+161	450	360	267	16	42	110	45	12	201	43
125	150	125	421	389	323	C+809	300	375	675	100	C-24	C+148	C+189	565	455	350	20	48	110	51,5	14	364	76
150	200	150	485	455	384	C+936	350	425	775	140	C-76	C+142	C+202	663	545	426	23	55	110	62	16	628	121

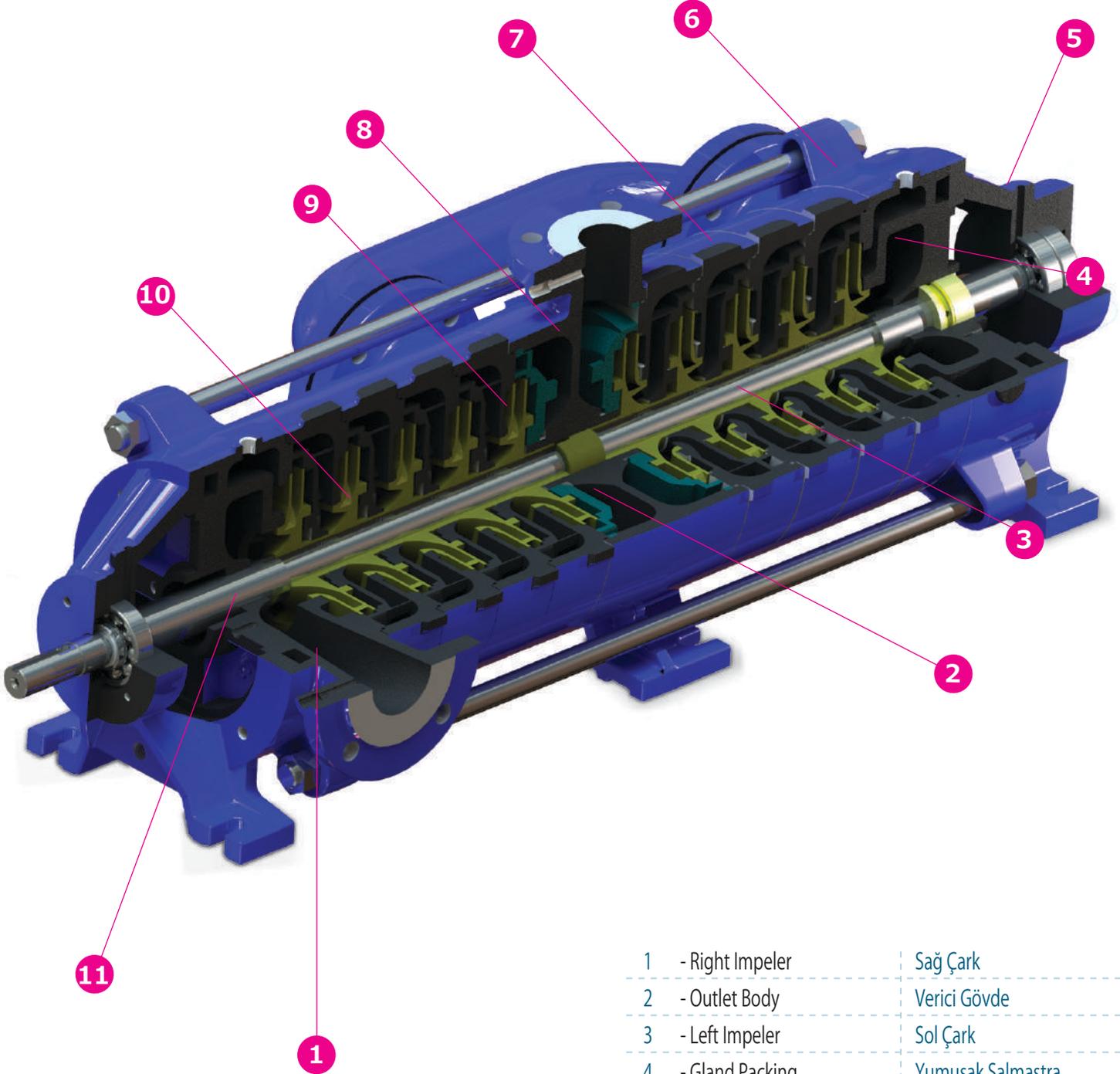
PUMP TYPE POMPA TIPI	"C" DIMENSIONS DEPENDS ON STAGE NUMBER KADEME SAYISINA GÖRE "C" ÖLÇÜSÜ (mm)														
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
65	-	-	-	-	393	464	535	606	677	748	819	-	-	-	-
80	-	-	-	-	439	522	605	688	771	854	937	1020	1103	1186	1269
100	-	-	-	-	-	-	-	823	923	1023	1123	1223	1323	1423	1523
125	-	-	-	-	-	-	843	958	1073	1188	1303	1418	-	-	-
150	-	-	-	656	801	946	1091	1236	1381	1526	-	-	-	-	-

Weight / Ağırlık = G + (g x n)
n = Stage Number / Kademe Sayısı

Pump Type Pompa Tipi	Suction (PN 16) / Emme						Pressure (PN) / Basma					
	DNe	Df	k	s	n	bf	DNb	Df	k	s	n	bf
65	80	200	160	18	8	22	65	185	145	18	8	24
80	100	220	180	18	8	24	80	200	160	18	8	26
100	125	250	210	18	8	26	100	235	190	23	8	28
125	150	285	240	23	8	26	125	270	220	27	8	30
150	200	340	295	23	12	30	150	300	250	27	8	34

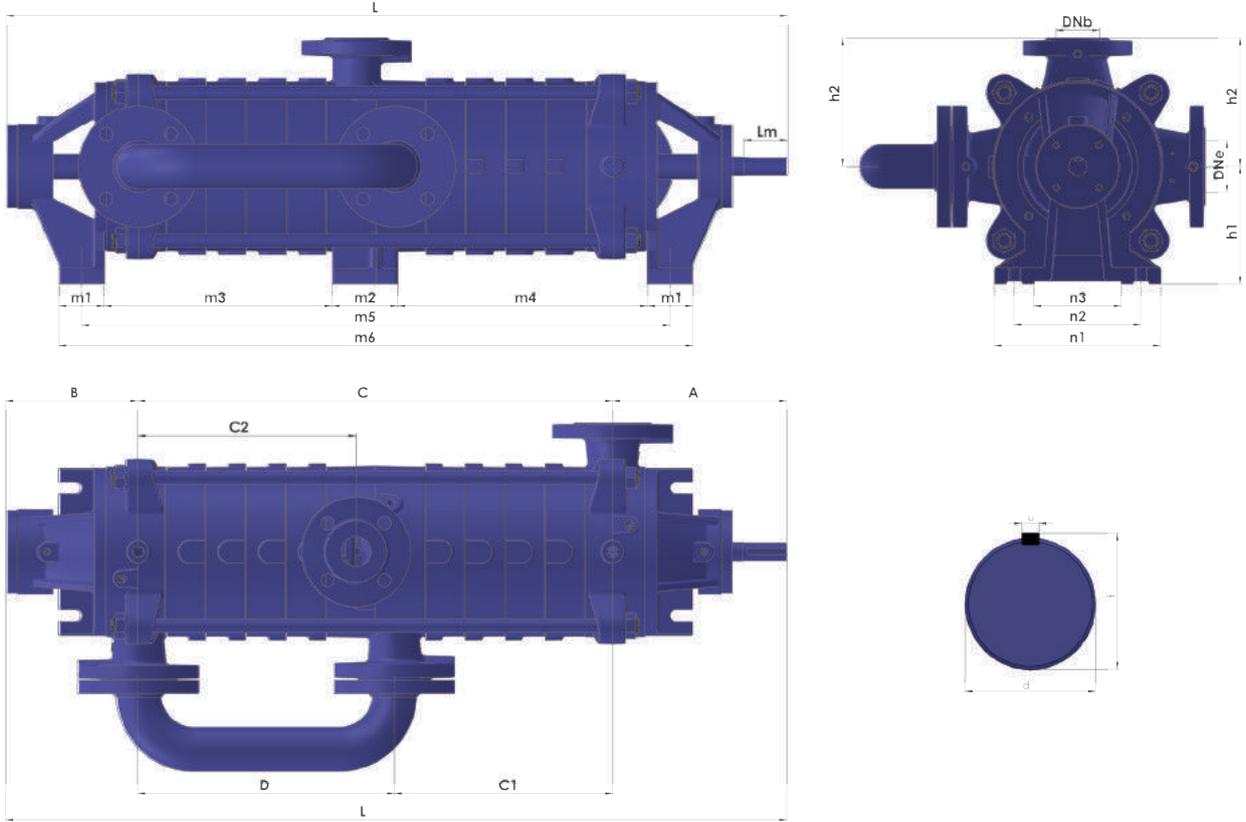


7.KY-X DKC Series / KY-X DKC Serisi



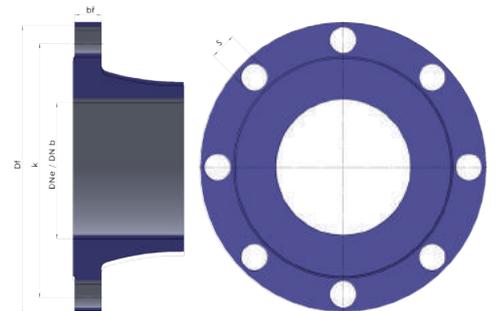
1	- Right Impeler	Sağ Çark
2	- Outlet Body	Verici Gövde
3	- Left Impeler	Sol Çark
4	- Gland Packing	Yumuşak Salmastra
5	- Bearing	Rulman
6	- Second Suction Body	Ara Emici Gövde
7	- Left Diffuser	Sol Difüzör
8	- Left OutletDiffuser	Sol Verici Difüzör
9	- Right Outlet Diffuser	Sağ Verici Difüzör
10	- Right Diffuser	Sağ Difüzör
11	- Suction Body	Emici Gövde

KY-X KC Series Pumps Dimensions / KY-X KC Serisi Pompa Ölçüleri

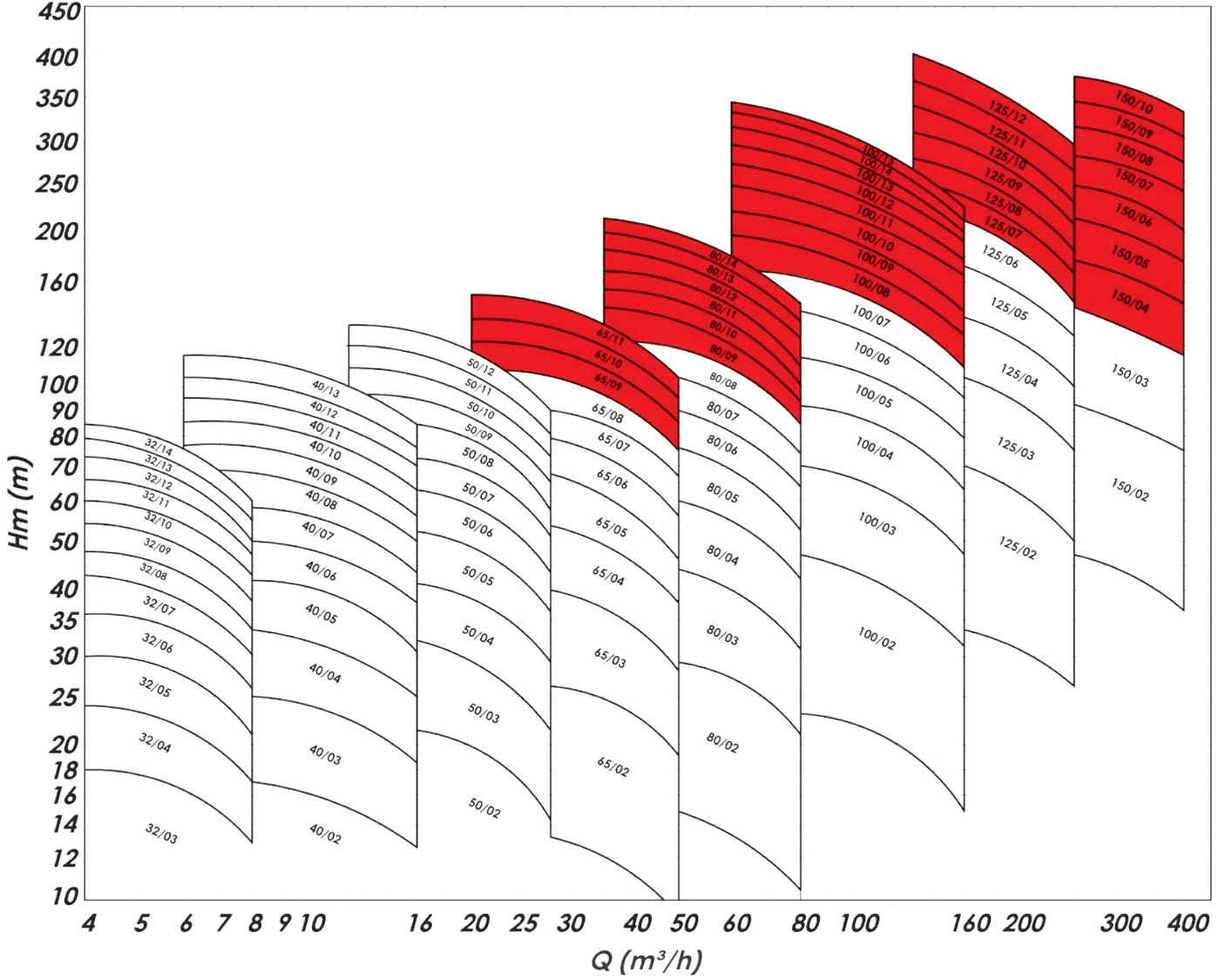


PUMP TYPE POMPA TİPİ	DIMENSIONS / ÖLÇÜLER (mm)																								SHAFT DIMENSIONS MİL UCU ÖLÇÜLERİ				WEIGHT AĞIRLIK (kg)
	DNe	DNb	A	B	D	d1	d2	L	C1	C2	C	h1	h2	H	m1	m2	m3	m4	m5	m6	n1	n2	n3	s1	d	Lm	t	u	
40-08	50	40	239	181	297	300	175	961	244	244	541	160	175	335	62	90	257	287	714	759	228	174	120	16	24	60	24.5	8	166
40-10					352			1071	299	299	651						312	342	824	869									186
40-12					407			1181	354	354	761						367	397	934	979									206
40-14					462			1291	409	409	781						422	452	1044	1089									227
50-08	65	50	254	190	334	341	190	1053	275	274	609	160	190	350	60	100	287	327	790	834	255	198	140	16	28	65	13	8	232
50-10					396			1177	337	336	733						349	389	914	958									259
50-12					458			1301	399	398	857						411	451	1038	1082									286
65-06	80	65	271	216	332	392	215	1068	249	249	581	180	215	395	60	100	287	322	776	824	298	241	180	16	32	66	17	10	265
65-08					403			1210	320	320	723						358	393	918	966									307
65-10					474			1352	391	391	865						429	464	989	1037									349

Pump Type Pompa Tipi	Suction (PN 16) / Emme						Pressure (PN) / Basma					
	DNe	Df	k	s	n	bf	DNb	Df	k	s	n	bf
40	50	165	125	18	4	20	40	150	110	18	4	20
50	65	185	145	18	4	20	50	165	125	18	4	22
65	80	200	160	18	8	22	65	185	145	18	8	24



KY-X Series 1450 RPM Performance Table / KY-X DD Serisi Pompa Ölçüleri



□ KY-X(Standard Multistage / Standart Çok Kademeli)

■ KY-X KC (Opposite Impeller / Karşıt Çarklı)

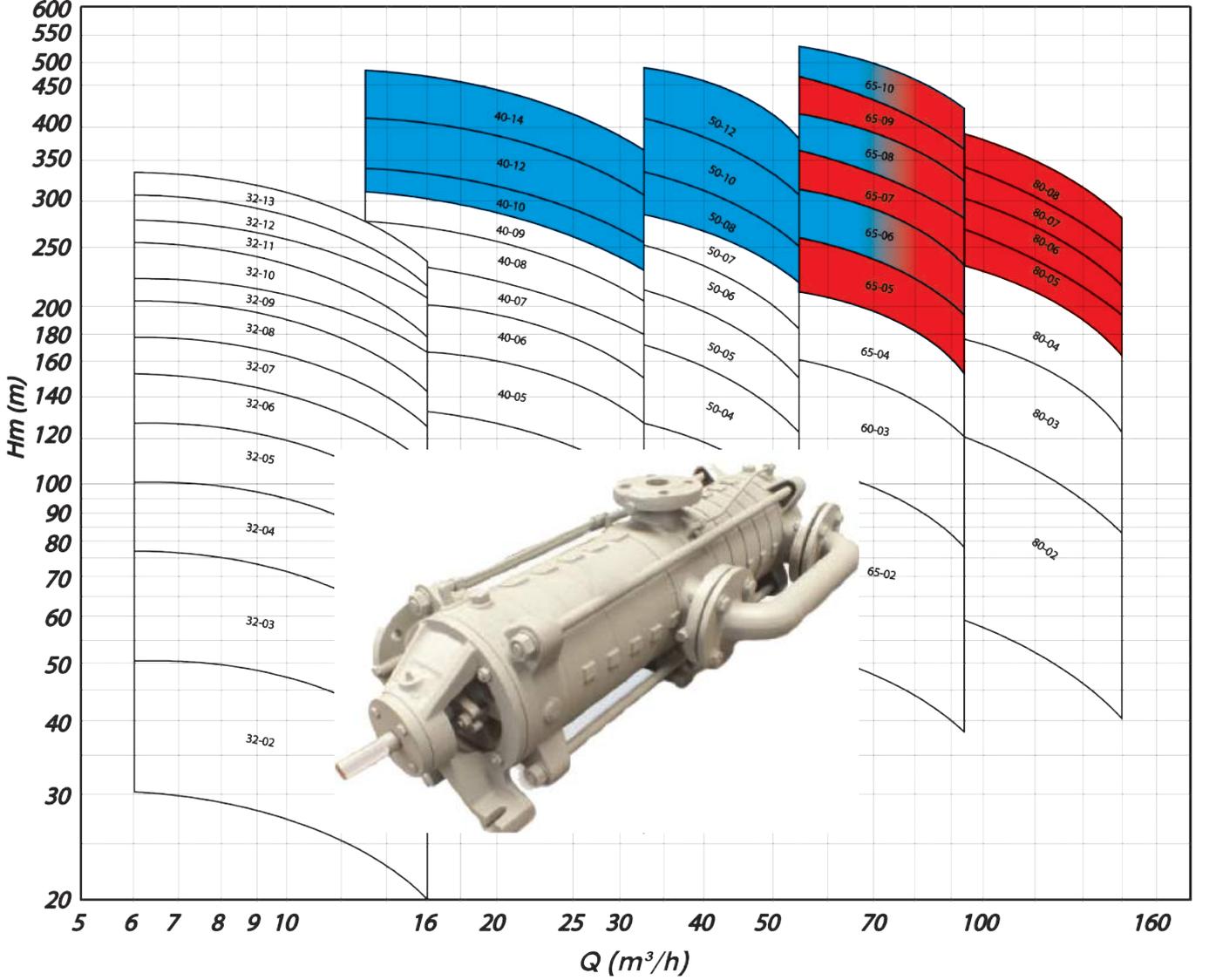
■ KY-X DD (Balancing Disc / Dengeleme Diski)

■ Can be KY-X DD or KY-X KC / KY-XDD veya KY-X KC olabilir

- Ozkan Pump KY-X Series pump are testing with TSE EN ISO 9906 grades 2.
- This standart doesnt include mechanical properties, just include hydrolic properties.
- This standart has tolerance \pm % 8 flow rate, \pm %5 pressure and -%5 efficiency.
- Ozkan can supply their special customers to test raports for all pump if required.

- Özkan Pompa KY-X Serisi pompalar TSE EN ISO 9906 sınıf 2 standartlarına göre test edilmektedir.
- Bu standart sadece hidrolikler içerir mekanik özellikler içermez
- Bu standart \pm % 8 debi, \pm % 5 basınç ve -%5 verim toleransına sahiptir.
- İstenilen ürünlerin performans eğrilerini firmamızdan isteyebilirsiniz.

KY-X Series 2900 RPM Performance Table / KY-X Serisi 2900 D/D Performans Tablosu



□ KY-X (Standard Multistage / Standart Çok Kademeli)

■ KY-X KC (Opposite Impeller / Karşıt Çarklı)

■ KY-X DD (Balancing Disc / Dengeleme Diski)

■ Can be KY-XDD or KY-X KC / KYX DD veya KY-X KC olabilir

- Ozkan Pump KY-X Series pump are testing with TSE EN ISO 9906 grades 2.
- This standart doesnt include mechanical properties, just include hydrolic properties.
- This standart has tolerance \pm % 8 flow rate, \pm %5 pressure and -%5 efficiency.
- Sempa can supply their special customers to test raports for all pump if required.

- Özkan Pompa KY-X Serisi pompalar TSE EN ISO 9906 sınıf 2 standartlarına göre test edilmektedir.
- Bu standart sadece hidrolikler içerir mekanik özellikler içermez
- Bu standart \pm % 8 debi, \pm % 5 basınç ve -%5 verim toleransına sahiptir.
- İstenilen ürünlerin performans eğrilerini firmamızdan isteyebilirsiniz.

Kalite İnsana
Saygıdır! Quality is the respect
to Human!



Özkan

POMPA SANAYİ

www.ozkanpompa.com.tr

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Fax: **+90 (212) 486 17 90**

E-mail: info@ozkanpompa.com.tr