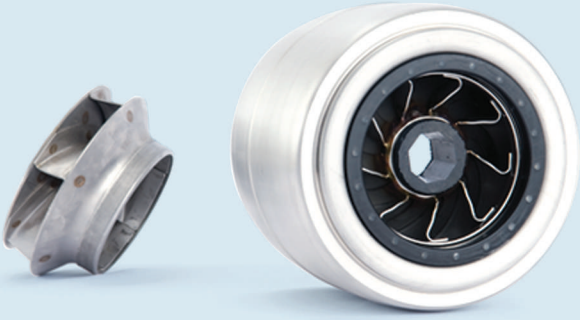




USTUNEL[®]
Dalgıç Pompa-Submersible Pump



ÜRÜN KATALOĞU

PRODUCT CATALOG | 60 Hz



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PASLANMAZ DALGIÇ POMPA & MOTORLAR



GENEL BİLGİLER / GENERAL DATA

Kullanım Yerleri / Applications

Su Temini / Raw water supply
 Sulama Sistemleri / Irrigation Systems
 Zemin Suyu Alçaltma / Groundwater Lowering
 Basınçlandırma / Pressure Boosting
 Endüstriyel Uygulamalar / Industrial Applications
 Temiz, içinde lif ve katı maddeler bulunmayan, agresif olmayan sıvıların pompalanması / Pumping of clean, thin and non-aggressive liquids without fibres or solid particules

Çalışma Koşulları / Operating Conditions

Maksimum Sıvı Sıcaklığı / Max. Liquid Temperature : 40°C
 Maksimum Kum Miktarı / Max. Sand Content : 50mg/lt
 Motor Koruma Sınıfı / Motor Protection Class : IP68
 Maksimum Çalışma Sesi / Max. Operation Sound : 70dB
 Maksimum Kalkış Sayısı / Max. Starting Number : 20 (kalkış/sa) (starts/h)
 Motor Dönüş Yönü / Motor Rotation Direction : İki Yönlü / CW CCW

Pompa Kodlaması / Pump Type Key

Sondaj Çapı / Drill Diameter S8
 Paslanmaz / Stainless Steel Cr
 Nominal Debi (m3/sa) / Nominal Flow Rate (m3/h) 135
 Model / Model Code G
 Motor Gücü (HP) / Motor Power (HP) 50/
 Kademe Sayısı / Number of Stages 4
 Küçültülmüş Çaplı Fan Sayısı / Number of Impeller with reduced impeller -2

Özellikler / Features

Pompalar, standart olarak AISI 304 kalite Paslanmaz Çelikten üretilir.
 Pumps are produced as Standard AISI 304 Stainless Steel version.
 AISI 304 =DIN W.-Nr.1.4301

Daha agresif sıvılar için AISI 316 alternatif mevcuttur.
 For Applications with aggressive liquids, as optional AISI 316 Stainless Steel version is available.
 AISI 316 =DIN W.-Nr.1.4401

Deniz suyu uygulamalarında katodik koruma önerilmektedir.
 Cathodical Protection is suggested for Seawater applications.

Motor kapakları Standart olarak döküm GG 25, opsiyonel olarak, 304 ve 316 üretilmektedir.
 Motor Covers are as Standard Cast Iron GG25. As Optional, AISI 304 and 316 versions are available.

Tonaj / Flow Rate (Q) : 1 - 350 m3/h
 Basma yüksekliği / Head (Hm) max : 550 mt.



PASLANMAZ DALGIÇ POMPA & MOTORLAR

Pompa Çeşitleri / Pump Range

Tip Type	S4CR05C	S4CR08D	S4CR14E	S6CR17A	S6CR30B	S6CR46C	S6CR60D	S7CR77E	S7CR95F	S8CR135G	S8CR160H	S10CR200I
Çelik / Steel : DIN 1.4301 AISI 304	+	+	+	+	+	+	+	+	+	+	+	+
Çelik / Steel : DIN 1.4401 AISI 316	+	+	+	+	+	+	+	+	+	+	+	+
Çıkış Bağlantısı / Outlet Connection	1/5"	2"	2"	3"	3"	3"-4"	3"-4"	5"	5"	6"	6"	6"
Mil Çapı (mm) / Shaft Diameter	13	13	16	22	22	22	22	25	25	30	30	30

Tüm pompa çıkışları 11 dişlidir. / All pumps outlet 11 threads.
Opsiyonel 8 diş / Optional 8 threads

Motor Çeşitleri / Motor Range

Sulu motorlarda; motor kapakları standart olarak döküm GG 25, opsiyonel olarak, 304 ve 316 üretilmektedir.
For waterfilled motors; Motor Covers are as standard Cast Iron GG25. As optional, AISI 304 and 316 versions are available

Yağlı Motor / Oilfilled Motor

Motor (kw)	4" Motor								6" Motor						
	0.75	1.1	1.5	2.2	3	4	5.5	7.5	9	11	13	15	18.5	22	
Motor (hp)	1	1.5	2	3	4	5.5	7.5	10	12.5	15	17.5	20	25	30	
Tek Faz / Single Phase	+	+	+	+											
Üç Faz / Three Phase					+	+	+	+	+	+	+	+	+	+	
Sarılabilir Motor / Rewindable Motor	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Çelik / Steel : DIN 1.4301 AISI 304	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Çelik / Steel : DIN 1.4401 AISI 316							+	+	+	+	+	+	+	+	

Sulu Motor / Waterfilled Motor

Motor (kw)	6" Motor												8" Motor							10" Motor				
	4	5.5	7.5	9	11	13	15	18.5	22	26	30	37	45	52	55	60	63	67	75	92	110	130	150	185
Motor (hp)	5.5	7.5	10	12.5	15	17.5	20	25	30	35	40	50	60	70	75	80	85	90	100	125	150	180	200	250
Tek Faz / Single Phase	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Üç Faz / Three Phase	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Sarılabilir Motor / Rewindable Motor	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Çelik / Steel : DIN 1.4301 AISI 304	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Çelik / Steel: DIN 1.4301 and cast iron	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Çelik / Steel : DIN 1.4401 AISI 316	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

Paslanmaz Pompa Parçaları / Stainless Steel Pump Components



KUM KANALLI LASTİKLER

Tüm Lastikler Su yağlamalıdır. Dikdörtgen şekilli olması, eğer kum olursa, kum partiküllerinin pompa sıvısı ile birlikte pompayı terketmesini sağlar.

BEARINGS WITH SAND CHANNELS

All bearings are water-lubricated and have a rectangular shape enabling sand particles, if any, to leave the pump together with the pump liquid.

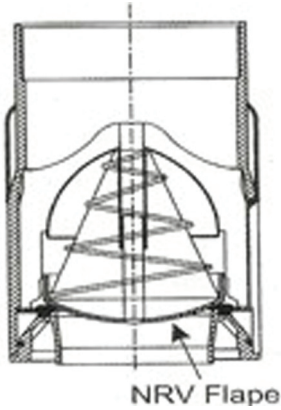


GİRİŞ FİLTRESİ

Giriş Filtresi, belli bir boyu aşan partiküllerin pompaya girişini engeller.

INLET STRAINER

The inlet strainer prevents particles over a certain size to enter the pump.

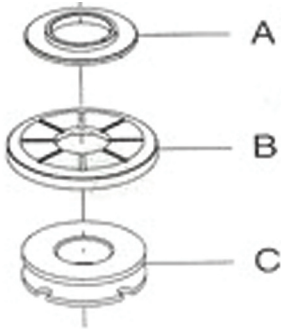


DÖNÜŞSÜZ ÇEK VALF

Tüm pompalar, güvenli bir dönüşsüz çek valf donanımlıdır. Pompa çıkışında, pompa kesintisiyle bağlantıda ters debiyi önler. Ayrıca kısa kapanma zamanı, tahrip edici su pompa çıkışı, valf karşısında basınç kaybını önlemek için optimum hidrolik özelliklerle tasarlanmıştır. Böylece, pompanın yüksek verimde çalışmasına katkıda bulunur.

BEARINGS WITH SAND CHANNELS

All pumps are equipped with a non-return valve in the valve casing preventing back flow in connection with pump stoppage. Furthermore, the short closing time of the non-return valve means that the risk of destructive water hammer is reduced to a minimum level. The valve casing is designed for a optimum hydraulic properties, to minimize the pressure loss across the valve and thus contributes to the high efficiency of the pump.



STOPER

Stoper, pompayı taşıma / nakil esnasında oluşabilecek hasarlardan ve çalışma başlangıcı esnasındaki fazla yüklenmeden korur. Trans yatağı şeklinde tasarlanan Stoper, pompa milinin aksenal hareketlerini sınırlar.

STOP RING / STOPPER

The stop ring prevents the pump from damaging during transportation and over loading during start up. The stop ring, which is designed as a thrust bearing, limits axial movements of the pump shaft.

PASLANMAZ DALGIÇ POMPA & MOTORLAR

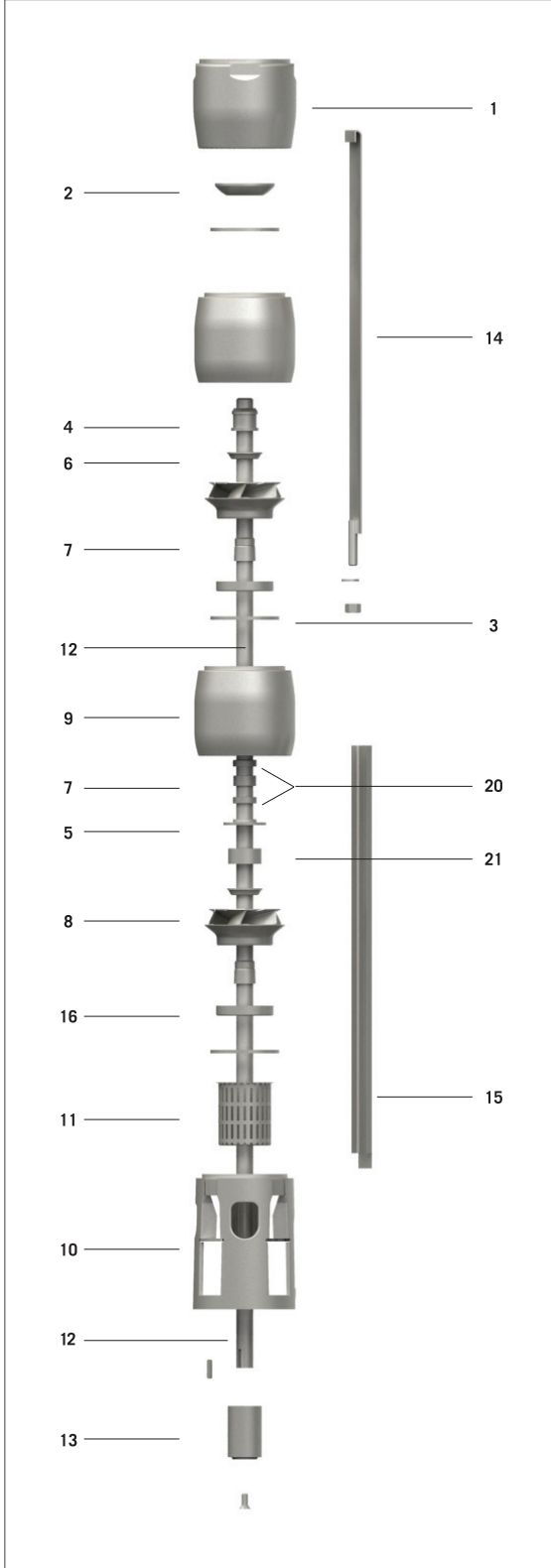
Paslanmaz Pompa Parçaları / Stainless Steel Pump Components

No	Kod / Code	Parça / Component	Malzeme / Material	Standart / Standard		Opsiyonel / Optional	
1	YCR0021900	Pompa Çıkışı / Valve Casing Outlet	Paslanmaz Çelik / Stainless Steel	1.4301	304	1.4401	316
2	YCR0021950	Klepe / Check Valve	Paslanmaz Çelik / Stainless Steel	1.4301	304	1.4401	316
3	YCR0030780	Fan Merkezleme Lastiği / Neck Ring	Nitril Kauçuk / Nitrile Rubber				
4	B1501003	Mil Merkezleme Lastiği / Inter Bearing	Nitril Kauçuk / Nitrik Rubber				
5	YCR0010801	Stoper Sacı / Stopper Sheet	Paslanmaz Çelik / Stainless Steel	1.4401	316	1.4401	316
6	YCR002760	Fan Tespit Somunu / Split Cone Nut	Paslanmaz Çelik / Stainless Steel	1.4301	304	1.4401	316
7	YCR0020760	Fan Tespit Burcu / Split Cone	Paslanmaz Çelik / Stainless Steel	1.4301	304	1.4401	316
8	YCR46C0700	Fan / Impeller	Paslanmaz Çelik / Stainless Steel	1.4301	304	1.4401	316
9	YCR46C0900	Kademe / Diffuser / Stage	Paslanmaz Çelik / Stainless Steel	1.4301	304	1.4401	316
10	YCR6010400	Emiş Adaptörü / Suction	Paslanmaz Çelik / Stainless Steel	1.4301	304	1.4401	316
11	YCR002200	Filtre / Strainer	Paslanmaz Çelik / Stainless Steel	1.4301	304	1.4401	316
12	YCR0010300	Pompa Mili / Pump Shaft	Paslanmaz Çelik / Stainless Steel	1.4057	431	1.4460	329
13	YCR6020101	Kaplin / Coupling	Paslanmaz Çelik / Stainless Steel	1.4301	304	1.4401	316
14	YCR60D3400	Gergi Çitası / Strap	Paslanmaz Çelik / Stainless Steel	1.4301	304	1.4401	316
15	YCR0012400	Kablo Koruyucu / Cable Cover	Paslanmaz Çelik / Stainless Steel	1.4301	304	1.4401	316
16	YCR0010750	Aşınma Bileziği / Wear Ring	Paslanmaz Çelik / Stainless Steel	1.4301	304	1.4401	316

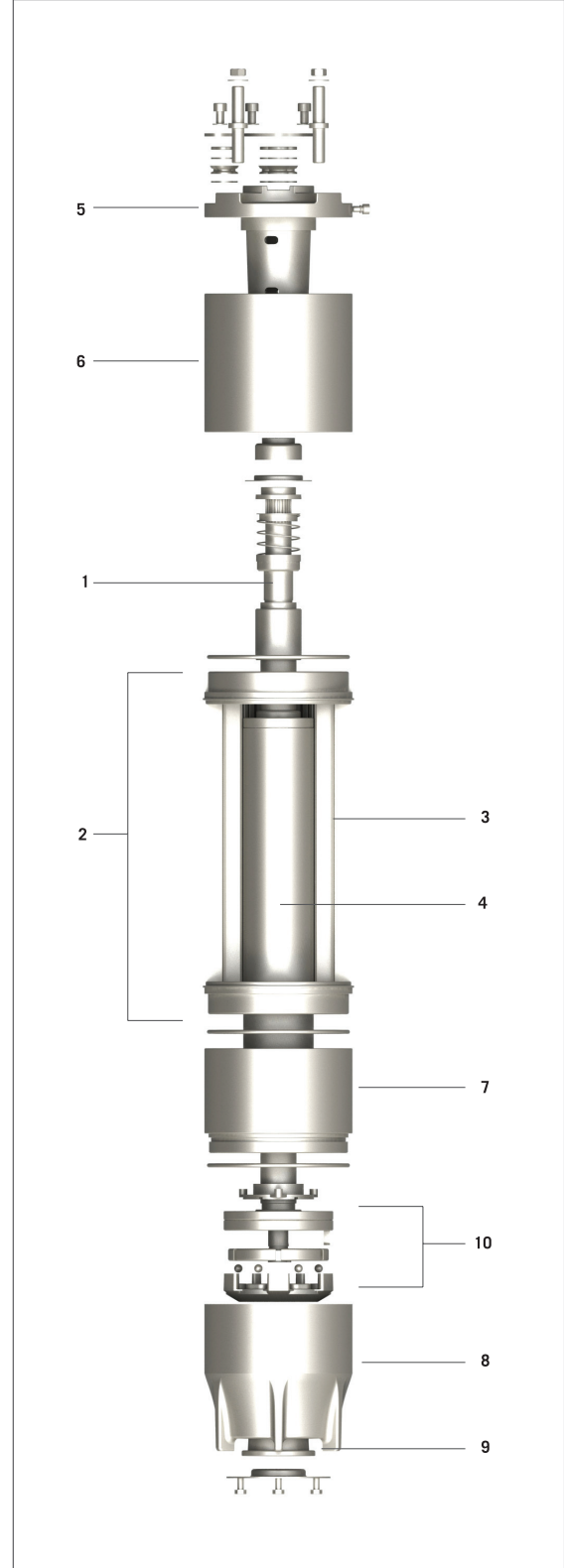
Motor Parçaları / Motor Components

No	Kod / Code	Parça / Component	Malzeme / Material	
1	YMC0951105	Mil / Shaft	Paslanmaz Çelik / Stainless Steel	1.4301
2		Motor Gövdesi / Motor Housing	Paslanmaz Çelik / Stainless Steel	1.4301
3	YMC1453400	Statör / Stator	Silisli Sac / Si Sheet	
4	YMC1451100	Rotor / Rotor	Silisli Sac / Si Sheet	
5	YMC1452300	Üst Kapak / Upper Cover	Döküm / Cast Iron	GG25
6	YMC1451800	Üst Ara Kapak / Upper Support Cover	Döküm / Cast Iron	GG25
7	YMC1450900	Alt Ara Kapak / Lower Support Cover	Döküm / Cast Iron	GG25
8	YMC1450100	Alt Kapak / Lower Cover	Döküm / Cast Iron	GG25
9	B2101002	Mebbran / Membrane	Kauçuk / Rubber	NITRILE RUBBER
10	YMC1450500	Trans Yatağı / Thrust Bearing	Pirinç+Paslanmaz+Grafit / Brass+St. St+Graphite	

Paslanmaz Pompa / Stainless Steel Pump (Submersible Stage Group)



Dalgiç Motor / Submersible Motor





Paslanmaz Çelik Dalgıç Pompa Serisi

Stainless Steel Submersible Pump Series

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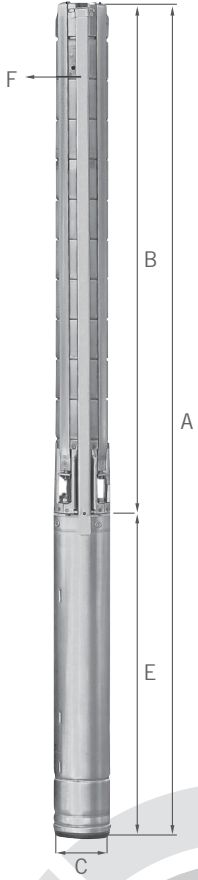


ÜSTUNEL®
Dalgıç Pompa-Submersible Pump



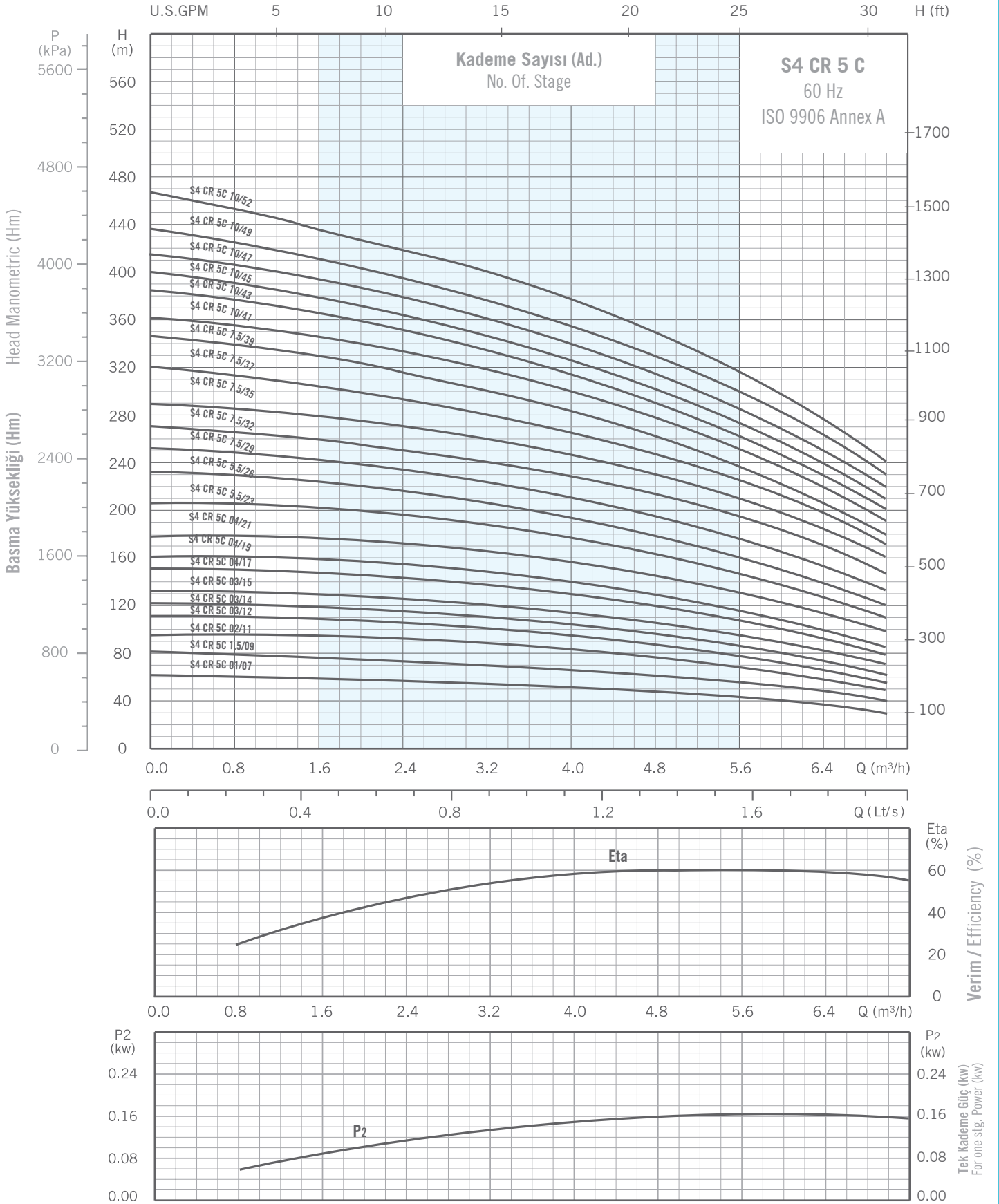
S4 CR 5 C

PASLANMAZ POMPA SERİSİ



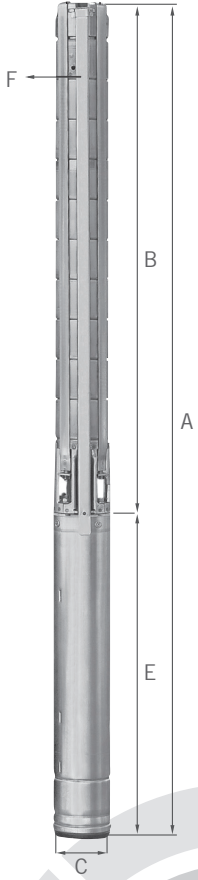
Pompa Tipi Pump Type	Motor		Ölçüler (Dimensions) (mm)					Toplam Ağırlık Total Weight (kg)
			Bağlantı (Connection)			E	C	
	Tipi / Type	KW	A	B	F			
S4 CR 5 C 01/07	S095MC/01-M	0.75	667	262	96	405	95	14.9
S4 CR 5 C 01/07	S095MC/01-T	0.75	689	304	96	385	95	13.3
S4 CR 5 C 1.5/09	S095MC/1.5-M	1.1	776	346	96	430	95	16.6
S4 CR 5 C 1.5/09	S095MC/1.5-T	1.1	751	346	96	405	95	15.3
S4 CR 5 C 02/11	S095MC/02-M	1.5	848	388	96	460	95	18.5
S4 CR 5 C 02/11	S095MC/02-T	1.5	833	409	96	424	95	16.6
S4 CR 5 C 03/12	S095MC/03-M	2.2	992	430	96	562	95	23.5
S4 CR 5 C 03/12	S095MC/03-T	2.2	890	430	96	460	95	18.6
S4 CR 5 C 03/14	S095MC/03-M	2.2	1034	472	96	562	95	24.1
S4 CR 5 C 03/14	S095MC/03-T	2.2	932	472	96	640	95	19.2
S4 CR 5 C 03/15	S095MC/03-M	2.2	1055	493	96	562	95	24.4
S4 CR 5 C 03/15	S095MC/03-T	2.2	953	493	96	460	95	19.5
S4 CR 5 C 04/17	S095MC/04	3.0	1053	535	96	518	95	22.9
S4 CR 5 C 04/19	S095MC/04	3.0	1095	577	96	518	95	23.5
S4 CR 5 C 04/21	S095MC/04	3.0	1137	619	96	518	95	24.1
S4 CR 5 C 5.5/23	S095MC/5.5	4.0	1241	661	96	580	95	27.8
S4 CR 5 C 5.5/26	S095MC/5.5	4.0	1304	724	96	580	95	28.7
S4 CR 5 C 7.5/29	S095MC/7.5	5.5	1470	787	96	683	95	33
S4 CR 5 C 7.5/32	S095MC/7.5	5.5	1533	850	96	683	95	33.9
S4 CR 5 C 7.5/35	S095MC/7.5	5.5	1596	913	96	683	95	34.8
S4 CR 5 C 7.5/37	S095MC/7.5	5.5	1638	955	96	683	95	35.4
S4 CR 5 C 7.5/39	S095MC/7.5	5.5	1680	997	96	683	95	36
S4 CR 5 C 10/41	S145MC/10	7.5	1799	1039	96	760	145	39.1
S4 CR 5 C 10/43	S145MC/10	7.5	1841	1081	138	760	145	39.7
S4 CR 5 C 10/45	S145MC/10	7.5	1883	1123	138	760	145	40.3
S4 CR 5 C 10/47	S145MC/10	7.5	1925	1165	138	760	145	40.9
S4 CR 5 C 10/49	S145MC/10	7.5	1967	1207	138	760	145	41.5
S4 CR 5 C 10/52	S145MC/10	7.5	2030	1270	138	760	145	42.4

PASLANMAZ POMPA SERİSİ



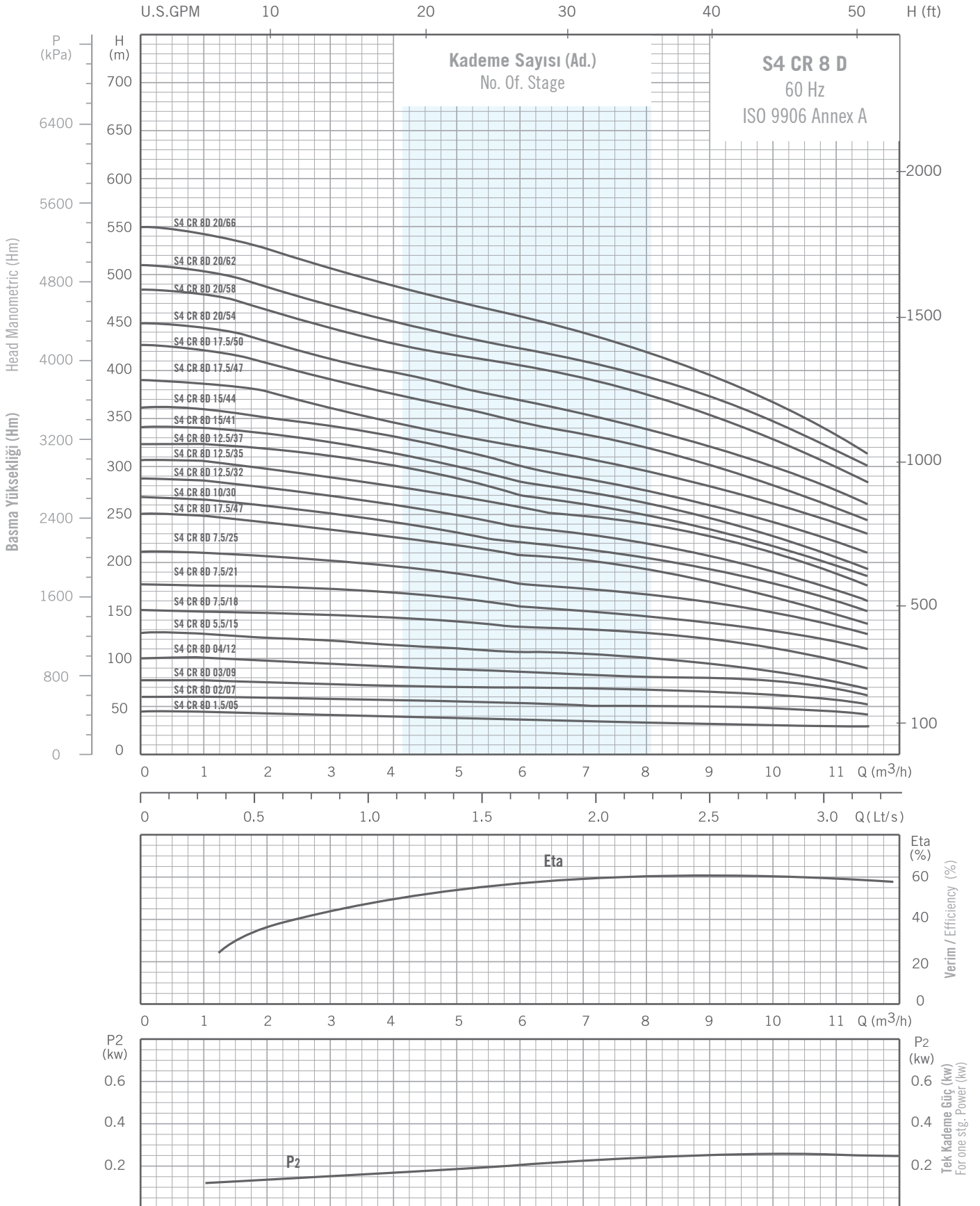
S4 CR 8 D

PASLANMAZ POMPA SERİSİ



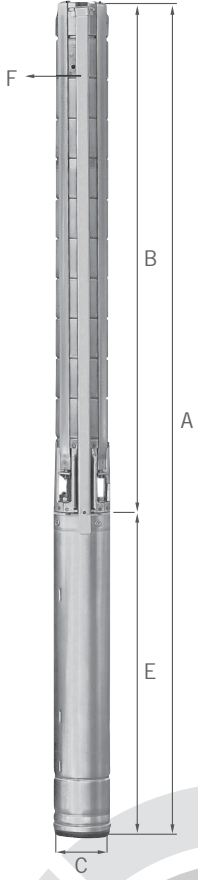
Pompa Tipi Pump Type	Motor		1380lçüler (Dimensions) (mm)					Toplam Ağırlık Total Weight (kg)
			Bağlantı (Connection)			E	C	
	Tipi / Type	KW	A	B	F			
S4 CR 8 D 1.5/05	S095MC/1.5-M	1.1	845	415	96	430	95	16.27
S4 CR 8 D 1.5/05	S095MC/1.5-T	1.1	820	415	96	405	95	14.97
S4 CR 8 D 02/07	S095MC/02-M	1.5	953	493	96	460	95	18.57
S4 CR 8 D 02/07	S095MC/02-T	1.5	839	415	96	424	95	16.67
S4 CR 8 D 03/09	S095MC/03-M	2.2	1265	703	96	562	95	24.27
S4 CR 8 D 03/09	S095MC/03-T	2.2	1163	703	96	460	95	19.57
S4 CR 8 D 04/12	S095MC/04-T	3.0	1221	703	96	518	95	23.67
S4 CR 8 D 5.5/15	S095MC/5.5-T	4.0	1410	830	96	580	95	28.27
S4 CR 8 D 7.5/18	S095MC/7.5-T	5.5	1638	955	96	683	95	33.17
S4 CR 8 D 7.5/21	S095MC/7.5-T	5.5	1773	1090	96	683	95	34.67
S4 CR 8 D 7.5/25	S095MC/7.5-T	5.5	1933	1250	96	683	95	36.67
S4 CR 8 D 10/30	S095MC/10-T	7.5	2080	1460	138	620	95	63.77
S4 CR 8 D 12.5/32	S145MC/12.5	9.2	2192	1542	138	650	145	70.77
S4 CR 8 D 12.5/35	S145MC/12.5	9.2	2310	1660	138	650	145	72.27
S4 CR 8 D 12.5/37	S145MC/12.5	9.2	2403	1753	138	650	145	73.27
S4 CR 8 D 15/39	S145MC/15	11	2535	1835	138	700	145	79.27
S4 CR 8 D 15/41	S145MC/15	11	2569	1869	138	700	145	80.27
S4 CR 8 D 15/44	S145MC/15	11	2747	2047	138	700	145	81.77
S4 CR 8 D 17.5/47	S145MC/17.5	13	2884	2134	138	750	145	87.27
S4 CR 8 D 17.5/50	S145MC/17.5	13	3053	2303	138	750	145	88.77
S4 CR 8 D 20/54	S145MC/20	15	3267	2467	138	800	145	92.77
S4 CR 8 D 20/58	S145MC/20	15	3813	3013	138	800	145	94.77
S4 CR 8 D 20/62	S145MC/20	15	3929	3129	138	800	145	96.77
S4 CR 8 D 20/66	S145MC/20	15	4149	3349	138	800	145	98.77

PASLANMAZ POMPA SERİSİ



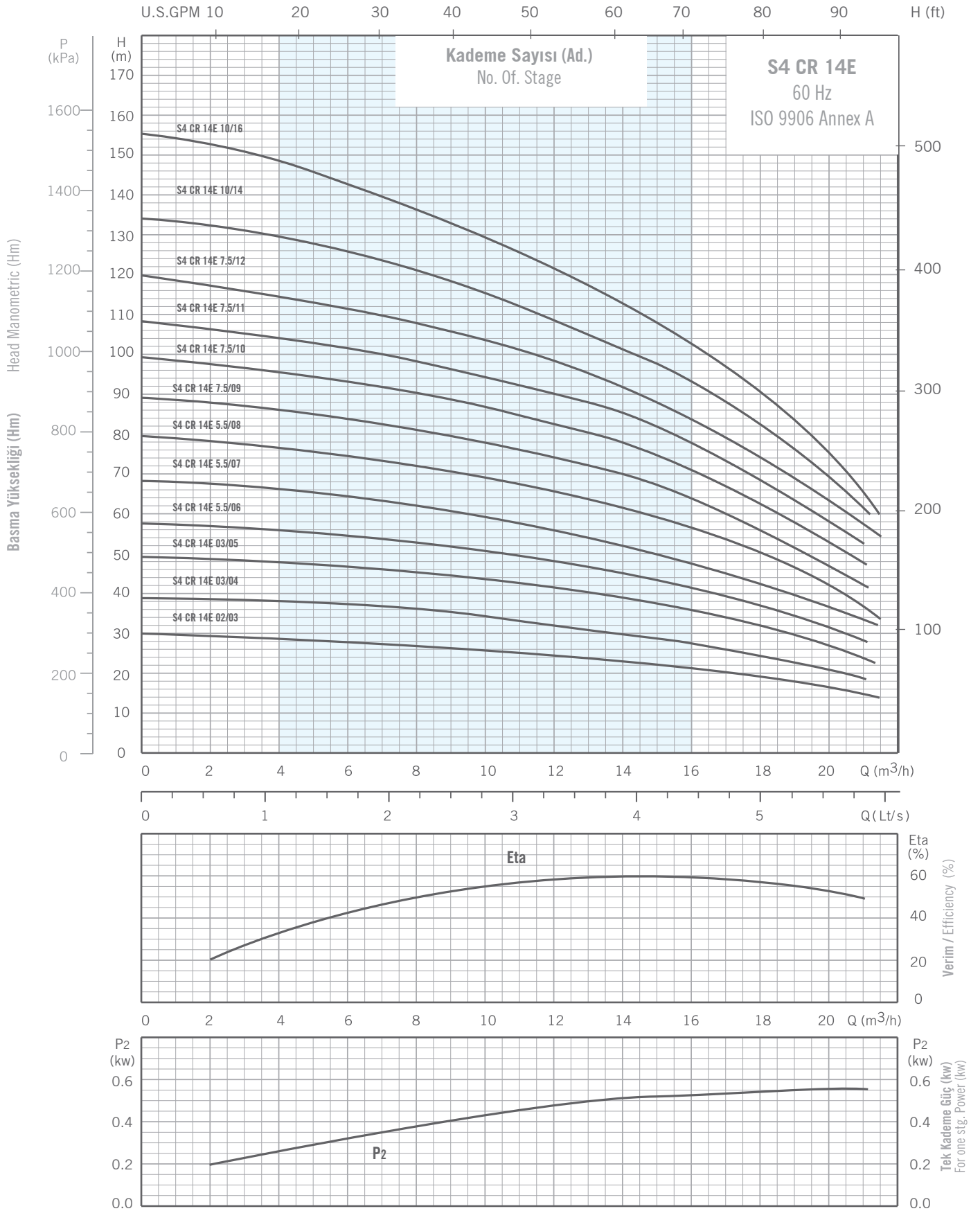
S4 CR 14 E

PASLANMAZ POMPA SERİSİ



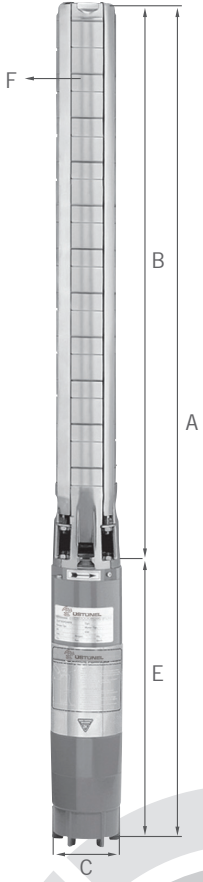
Pompa Tipi Pump Type	7.5Motor		1380İçüler (Dimensions) (mm)					Toplam Ağırlık Total Weight (kg)
	Tipi / Type	KW	Bağlantı (Connection)			E	C	
			A	B	F			
S4 CR 14 E 02/03	S095MC/02-M	1.5	840	380	96	460	95	18.3
S4 CR 14 E 02/03	S095MC/02-T	1.5	804	380	96	424	95	16.4
S4 CR 14 E 03/04	S095MC/03-M	2.2	1007	445	96	562	95	23.4
S4 CR 14 E 03/04	S095MC/03-T	2.2	905	445	96	460	95	18.6
S4 CR 14 E 03/05	S095MC/03-M	2.2	1072	510	96	562	95	24
S4 CR 14 E 03/06	S095MC/03-T	2.2	970	510	96	460	95	19.1
S4 CR 14 E 5.5/06	S095MC/5.5-T	2.2	1155	575	96	580	95	25.5
S4 CR 14 E 5.5/07	S095MC/5.5-T	4	1220	640	96	580	95	26
S4 CR 14 E 5.5/08	S095MC/7.5-T	4	1285	705	96	580	95	26.5
S4 CR 14 E 7.5/09	S095MC/7.5-T	4	1453	770	96	683	95	30.4
S4 CR 14 E 7.5/10	S095MC/7.5-T	5.5	1518	835	96	683	95	30.9
S4 CR 14 E 7.5/11	S095MC/7.5-T	5.5	1583	900	96	683	95	31.4
S4 CR 14 E 7.5/12	S145MC/5.5-T	5.5	1648	965	96	683	95	31.9
S4 CR 14 E 10/14	S145MC/5.5-T	5.5	1855	1095	138	760	145	57.5
S4 CR 14 E 10/16	S095MC/5.5-T	7.5	1985	1226	138	760	145	58.5

PASLANMAZ POMPA SERİSİ



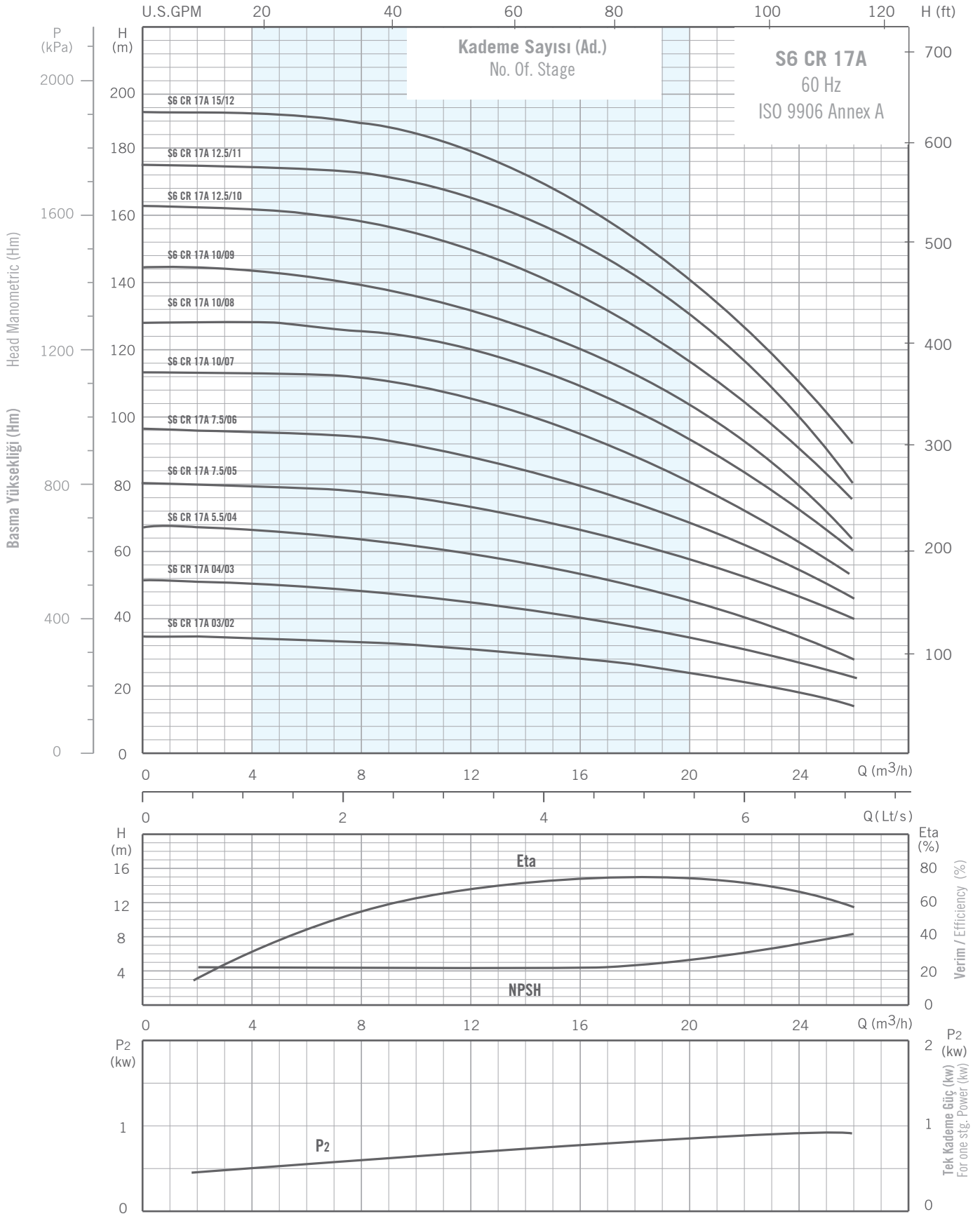
S6 CR 17 A

PASLANMAZ POMPA SERİSİ

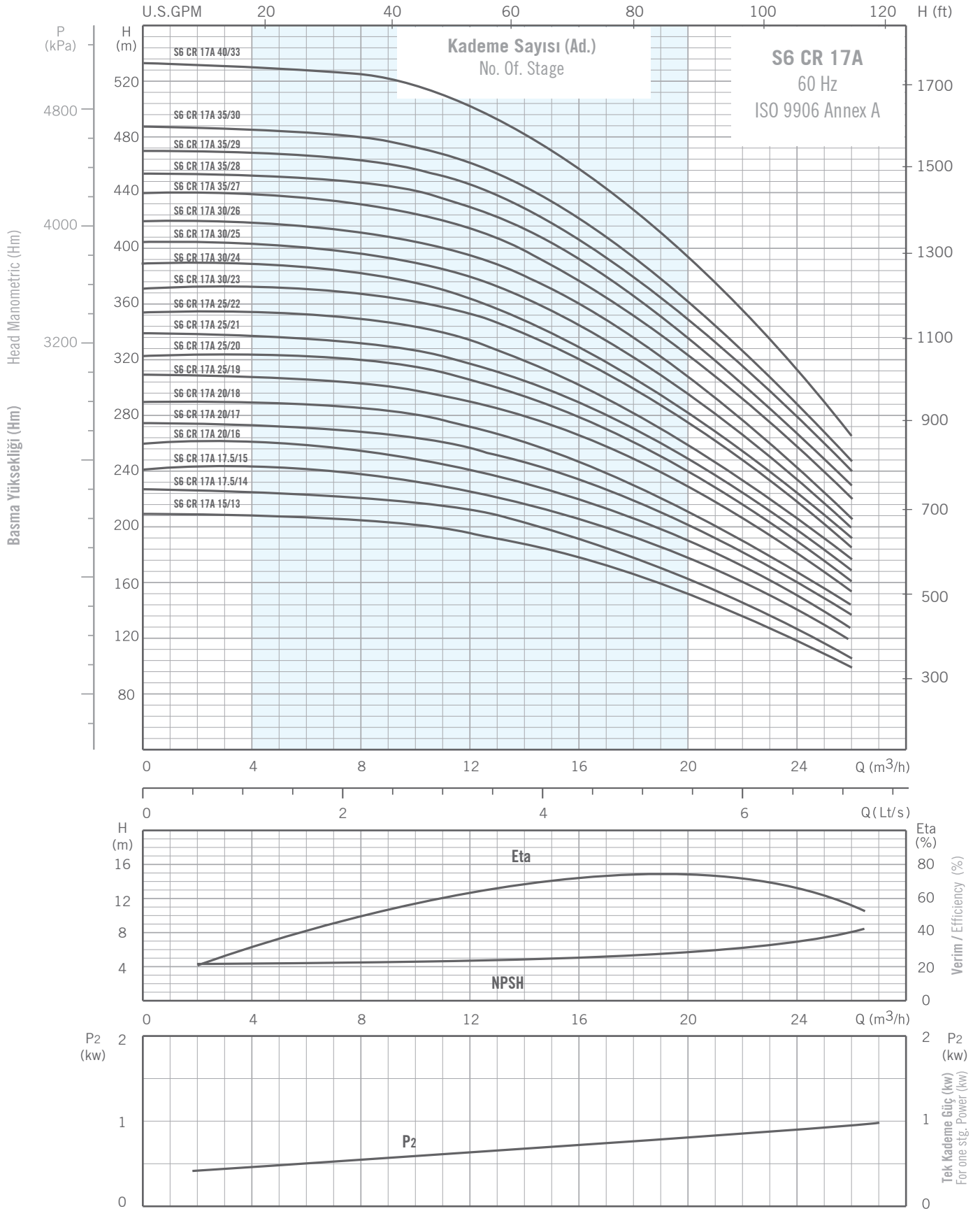


Pompa Tipi Pump Type	Motor		Ölçüler (Dimensions) (mm)					Toplam Ağırlık Total Weight (kg)
			Bağlantı (Connection)			E	C	
	Tipi / Type	KW	A	B	F			
S6 CR 17 A 03/02	S095MC/03-T	2.2	874	414	134	460	95	19.2
S6 CR 17 A 04/03	S095MC/04-T	3	998	480	134	518	95	23.6
S6 CR 17 A 5.5/04	S095MC/5.5-T	4	1126	546	134	580	95	28.3
S6 CR 17 A 7.5/05	S095MC/7.5-T	5.5	1295	612	134	683	95	33.3
S6 CR 17 A 7.5/06	S095MC/7.5-T	5.5	1361	678	134	683	95	34.4
S6 CR 17 A 10/07	S145MC/10	7.5	1364	744	134	620	145	61.5
S6 CR 17 A 10/08	S145MC/10	7.5	1430	810	134	620	145	64.0
S6 CR 17 A 10/09	S145MC/10	7.5	1496	876	134	620	145	65.5
S6 CR 17 A 12.5/10	S145MC/12.5	9.2	1592	942	134	650	145	73.0
S6 CR 17 A 12.5/11	S145MC/12.5	9.2	1658	1008	134	650	145	74.0
S6 CR 17 A 15/12	S145MC/15	11	1774	1074	134	700	145	80.5
S6 CR 17 A 15/13	S145MC/15	11	1840	1140	134	700	145	82.0
S6 CR 17 A 17.5/14	S145MC/17.5	13	1956	1206	134	750	145	87.5
S6 CR 17 A 17.5/15	S145MC/17.5	13	2022	1272	134	750	145	89.0
S6 CR 17 A 20/16	S145MC/20	15	2138	1338	134	800	145	92.5
S6 CR 17 A 20/17	S145MC/20	15	2204	1404	134	800	145	94.0
S6 CR 17 A 20/18	S145MC/20	15	2270	1470	134	800	145	96.4
S6 CR 17 A 25/19	S145MC/25	18.5	2406	1536	134	870	145	110.0
S6 CR 17 A 25/20	S145MC/25	18.5	2472	1602	134	870	145	111.6
S6 CR 17 A 25/21	S145MC/25	18.5	2538	1668	134	870	145	113.2
S6 CR 17 A 25/22	S145MC/25	18.5	2604	1734	134	870	145	114.8
S6 CR 17 A 30/23	S145MC/30	22	2770	1800	134	970	145	128.4
S6 CR 17 A 30/24	S145MC/30	22	2836	1866	134	970	145	130.0
S6 CR 17 A 30/25	S145MC/30	22	2902	1932	134	970	145	131.6
S6 CR 17 A 30/26	S145MC/30	22	2968	1998	134	970	145	133.2
S6 CR 17 A 35/27	S145MC/35	26	3124	2064	134	1060	145	143.8
S6 CR 17 A 35/28	S145MC/35	26	3190	2130	134	1060	145	145.4
S6 CR 17 A 35/29	S145MC/35	26	3256	3196	134	1060	145	147.0
S6 CR 17 A 35/30	S145MC/35	26	3322	2262	134	1060	145	148.6
S6 CR 17 A 40/33	S145MC/40	30	3600	2460	134	1140	145	176.4

PASLANMAZ POMPA SERİSİ



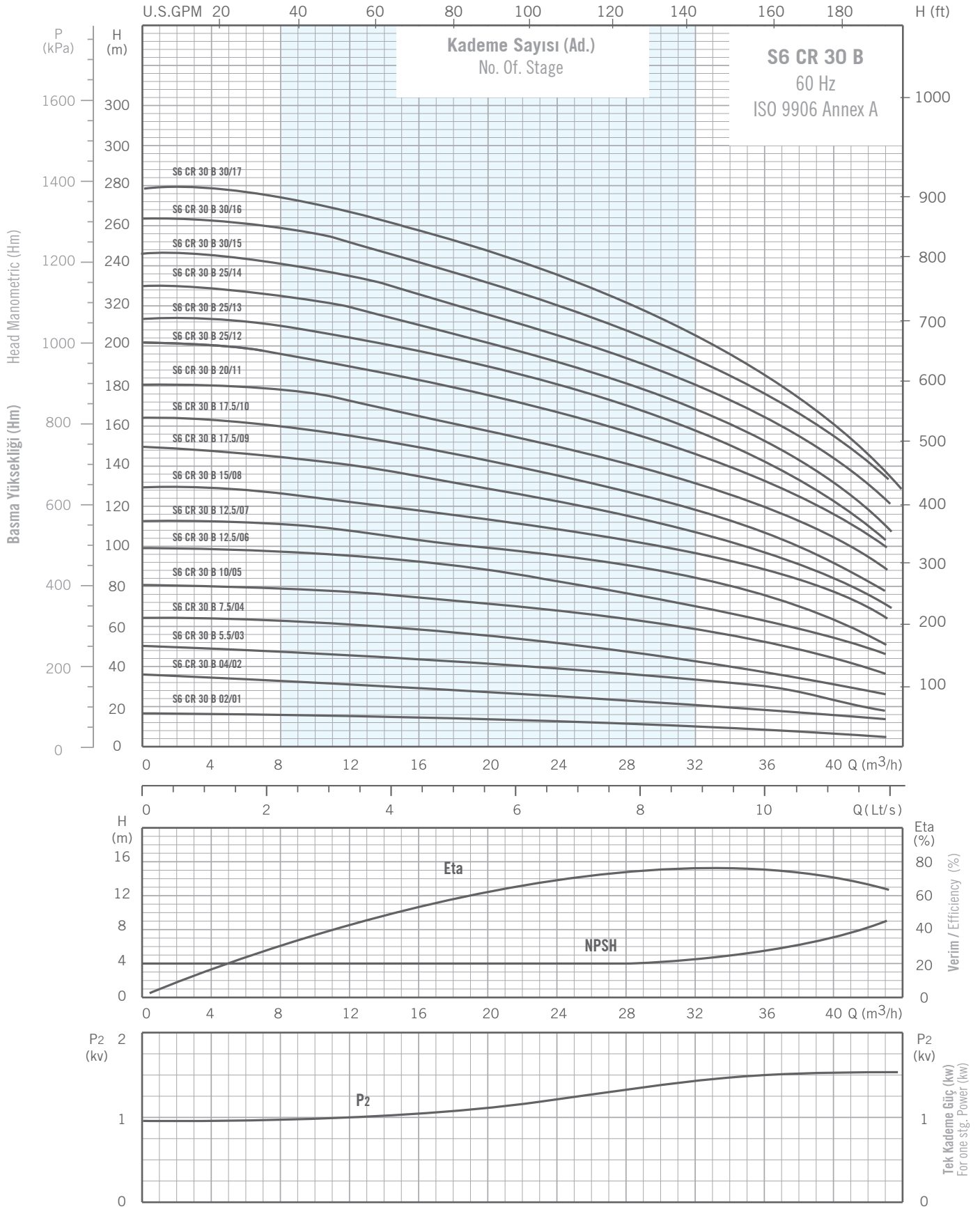
PASLANMAZ POMPA SERİSİ



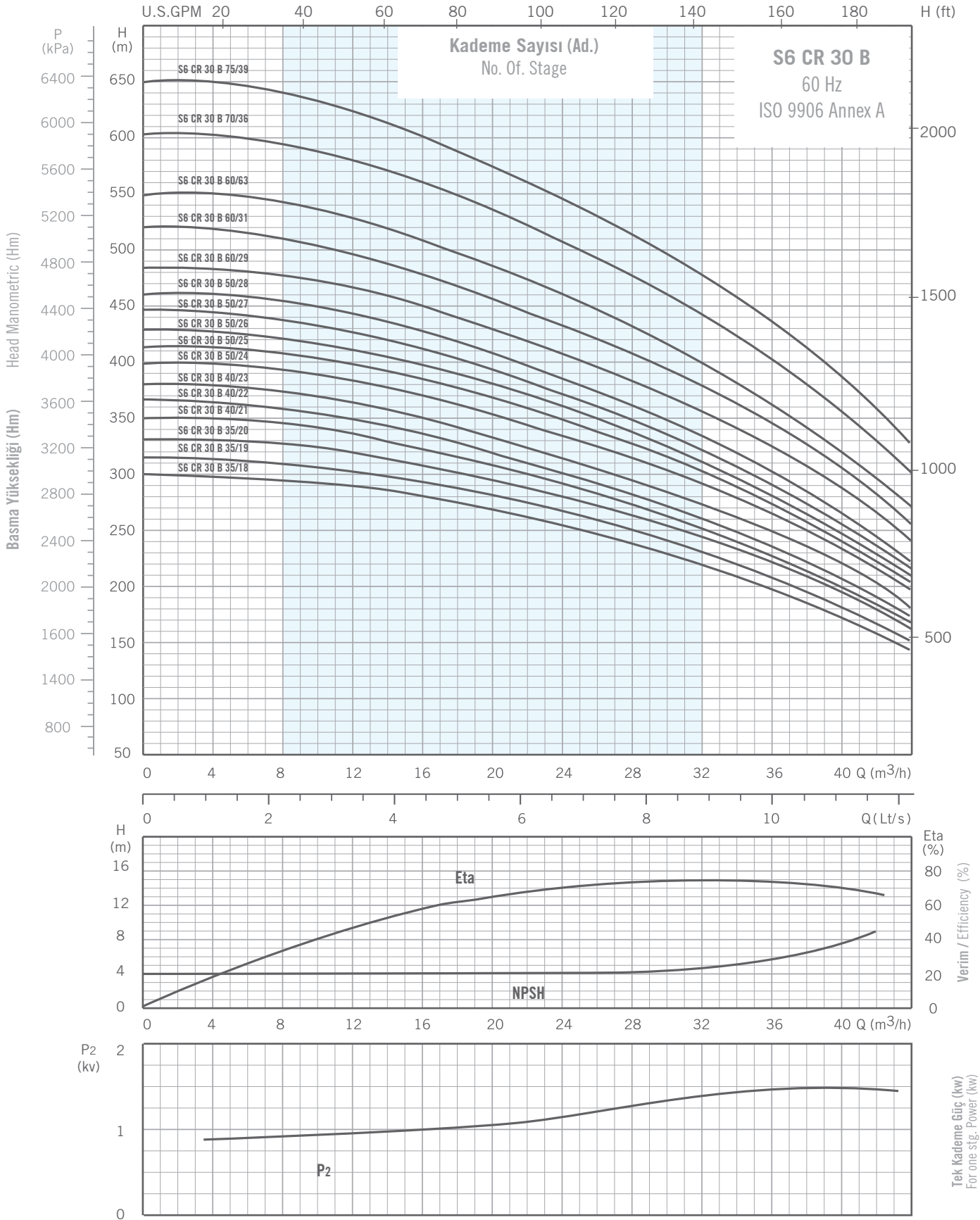
PASLANMAZ POMPA SERİSİ

Pompa Tipi Pump Type	Motor		Ölçüler (Dimensions) (mm)					Toplam Ağırlık Total Weight (kg)
			Bağlantı (Connection)			E	C	
	Tipi / Type	KW	A	B	F			
S6 CR 30 B 02/01	S095MC/02-T	1.5	845	385	135	460	95	15.6
S6 CR 30 B 04/02	S095MC/04-T	3	998	480	135	518	95	22.2
S6 CR 30 B 5.5/03	S095MC/5.5-T	4	1155	575	135	580	95	28.3
S6 CR 30 B 7.5/04	S095MC/7.5-T	5.5	1353	670	135	683	95	35.8
S6 CR 30 B 10/05	S145MC/10	7.5	1385	765	135	620	145	62.7
S6 CR 30 B 12.5/06	S145MC/12.5	9.2	1510	860	135	650	145	69
S6 CR 30 B 12.5/07	S145MC/12.5	9.2	1605	955	135	650	145	71.5
S6 CR 30 B 15/08	S145MC/15	11	1750	1050	135	700	145	79
S6 CR 30 B 17.5/09	S145MC/17.5	13	1895	1145	135	750	145	81.1
S6 CR 30 B 17.5/10	S145MC/17.5	13	1990	1240	135	750	145	90.2
S6 CR 30 B 20/11	S145MC/20	15	2139	1339	135	800	145	97.3
S6 CR 30 B 25/12	S145MC/25	18.5	2305	1435	135	870	145	107.9
S6 CR 30 B 25/13	S145MC/25	18.5	2390	1520	135	870	145	110
S6 CR 30 B 25/14	S145MC/25	18.5	2485	1615	135	870	145	112.1
S6 CR 30 B 30/15	S145MC/30	22	2680	1710	135	970	145	120.7
S6 CR 30 B 30/16	S145MC/30	22	2775	1805	135	970	145	122.8
S6 CR 30 B 30/17	S145MC/30	22	2870	1900	135	970	145	124.9
S6 CR 30 B 35/18	S145MC/35	26	3055	1995	135	1060	145	138
S6 CR 30 B 35/19	S145MC/35	26	3150	2090	135	1060	145	140.1
S6 CR 30 B 35/20	S145MC/35	26	3250	2190	135	1060	145	142.2
S6 CR 30 B 40/21	S145MC/40	30	3425	2285	135	1140	145	152.8
S6 CR 30 B 40/22	S145MC/40	30	3520	2380	135	1140	145	154.9
S6 CR 30 B 40/23	S145MC/40	30	3615	2475	135	1140	145	157
S6 CR 30 B 50/24	S145MC/50	37	3880	2570	135	1310	145	176.1
S6 CR 30 B 50/25	S145MC/50	37	3975	2665	135	1310	145	178.1
S6 CR 30 B 50/26	S145MC/50	37	4070	2760	135	1310	145	180.3
S6 CR 30 B 50/27	S145MC/50	37	4165	2855	135	1310	145	182.4
S6 CR 30 B 50/28	S145MC/50	37	4281	2971	135	1310	145	184.5
S6 CR 30 B 60/29	S190MC/60	45	4527	3067	135	1460	193	218.6
S6 CR 30 B 60/31	S190MC/60	45	4719	3259	135	1460	193	222.8
S6 CR 30 B 60/33	S190MC/60	45	4911	3451	135	1460	193	227
S6 CR 30 B 70/36	S190MC/70	52	4826	3736	135	1090	193	286.3
S6 CR 30 B 75/39	S190MC/75	55	5513	4383	135	1130	193	299.6

PASLANMAZ POMPA SERİSİ

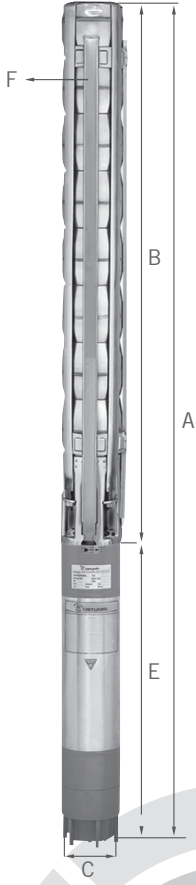


PASLANMAZ POMPA SERİSİ



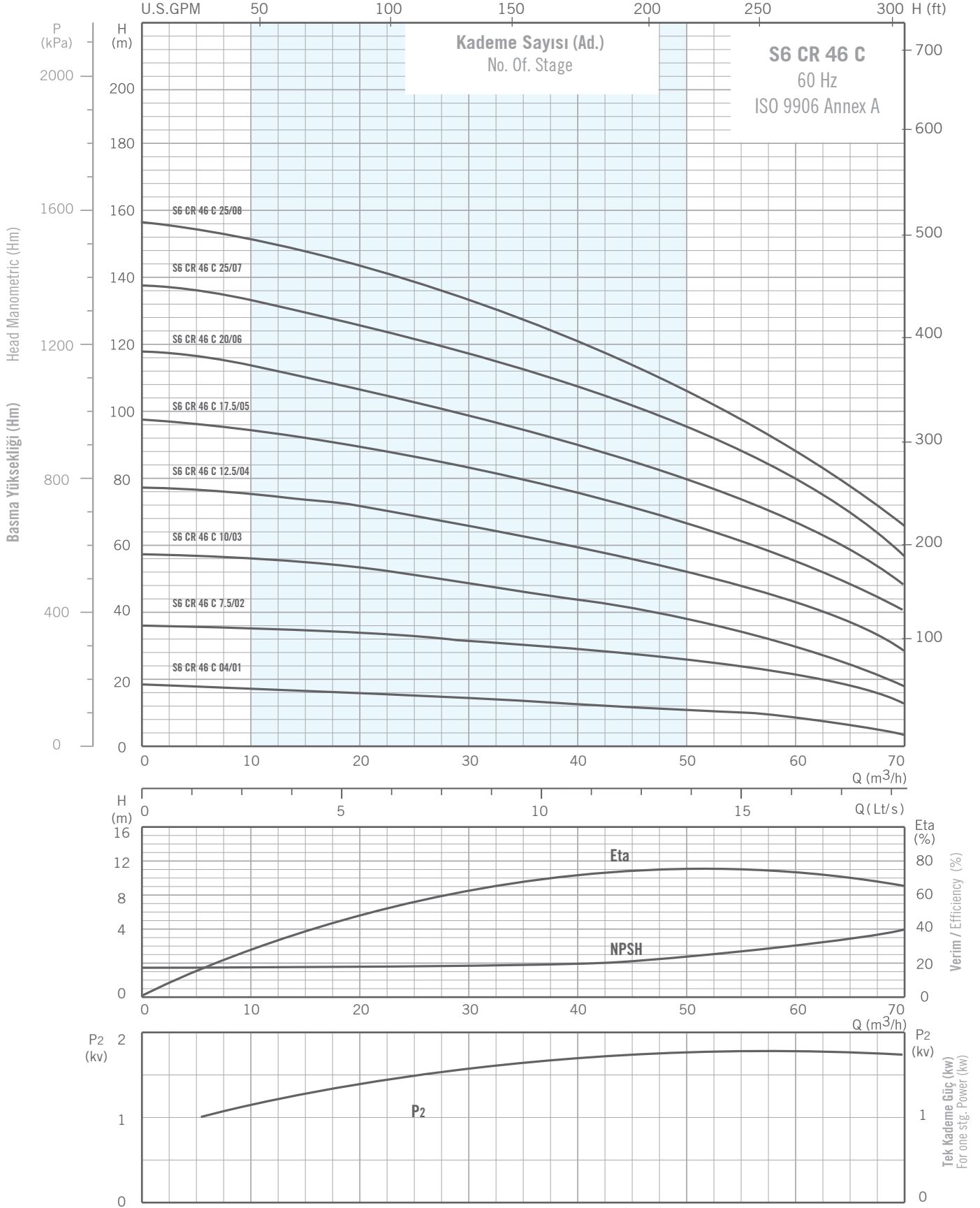
S6 CR 46 C

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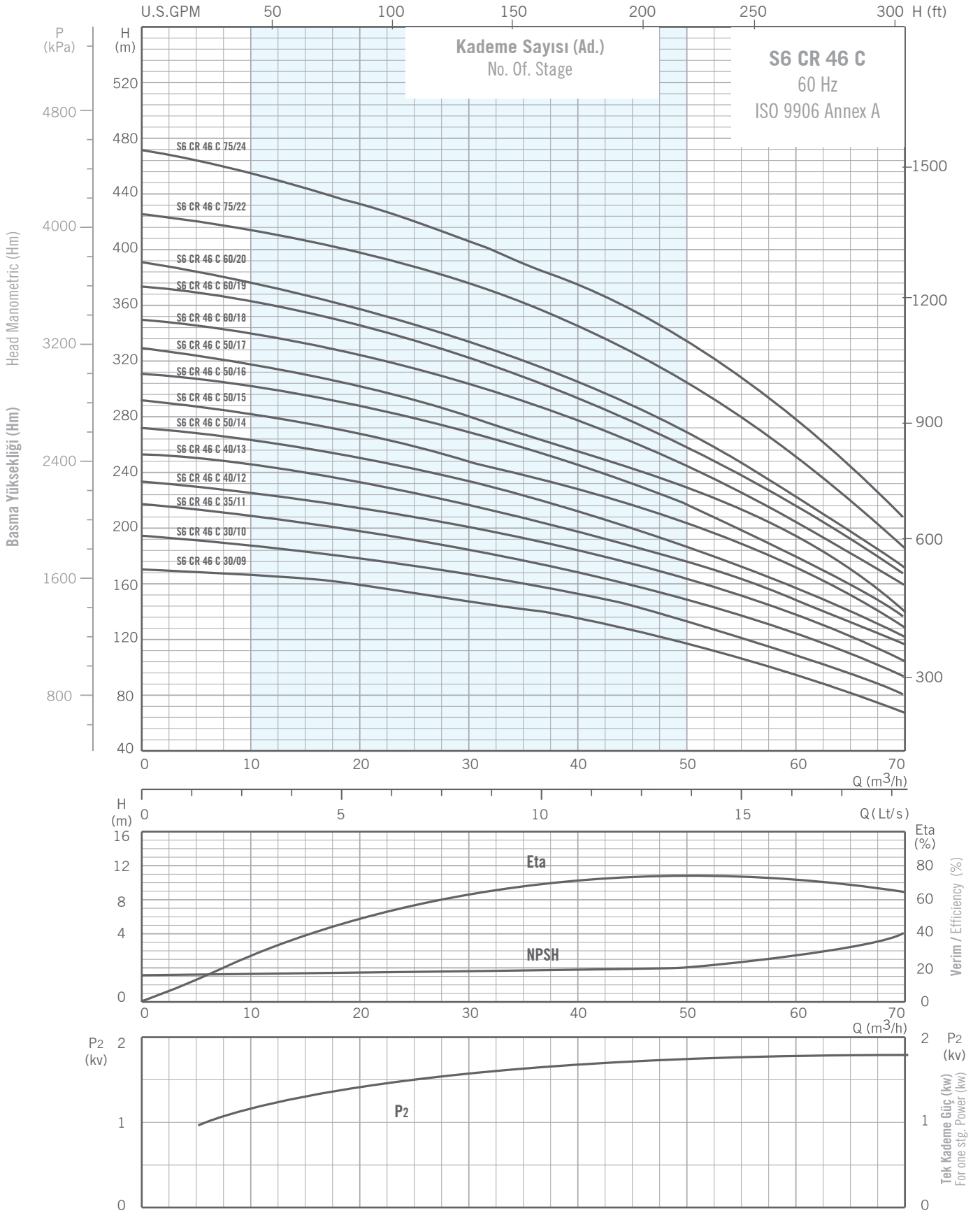


Pompa Tipi Pump Type	Motor		Ölçüler (Dimensions) (mm)					Toplam Ağırlık Total Weight (kg)
			Bağlantı (Connection)			E	C	
	Tipi / Type	KW	A	B	F			
S6 CR 46 C 04/01	S095MC/04-T	3	913	395	145	518	95	22.0
S6 CR 46 C 7.5/02	S095MC/7.5-T	5.5	1192	509	145	683	95	31.0
S6 CR 46 C 10/03	S145MC/10	7.5	1240	620	145	620	145	58.5
S6 CR 46 C 12.5/04	S145MC/12.5	9.2	1380	730	145	650	145	67.0
S6 CR 46 C 17.5/05	S145MC/17.5	13	1595	845	145	750	145	78.5
S6 CR 46 C 20/06	S145MC/20	15	1755	955	145	800	145	83.0
S6 CR 46 C 25/07	S145MC/25	18.5	1940	1070	145	870	145	97.5
S6 CR 46 C 25/08	S145MC/25	18.5	2050	1180	145	870	145	100.0
S6 CR 46 C 30/09	S145MC/30	22	2265	1295	145	970	145	114.5
S6 CR 46 C 30/10	S145MC/30	22	2373	1403	145	970	145	117.0
S6 CR 46 C 35/11	S145MC/35	26	2575	1515	145	1060	145	128.5
S6 CR 46 C 40/12	S145MC/40	30	2767	1627	145	1140	145	154.0
S6 CR 46 C 40/13	S145MC/40	30	2880	1740	145	1140	145	156.5
S6 CR 46 C 50/14	S145MC/50	37	3161	1851	145	1310	145	162.0
S6 CR 46 C 50/15	S145MC/50	37	3273	1963	145	1310	145	164.5
S6 CR 46 C 50/16	S145MC/50	37	3385	2075	145	1310	145	167.0
S6 CR 46 C 50/17	S145MC/50	37	3497	2187	145	1310	145	169.5
S6 CR 46 C 60/18	S190MC/60	45	3759	2299	145	1460	193	175.5
S6 CR 46 C 60/19	S190MC/60	45	3871	2411	145	1460	193	177.5
S6 CR 46 C 60/20	S190MC/60	45	3983	2523	145	1460	193	180.0
S6 CR 46 C 75/22	S190MC/75	55	3877	2747	145	1130	193	240.0
S6 CR 46 C 75/24	S190MC/75	55	4101	2971	145	1130	193	245.0

PASLANMAZ POMPA SERİSİ

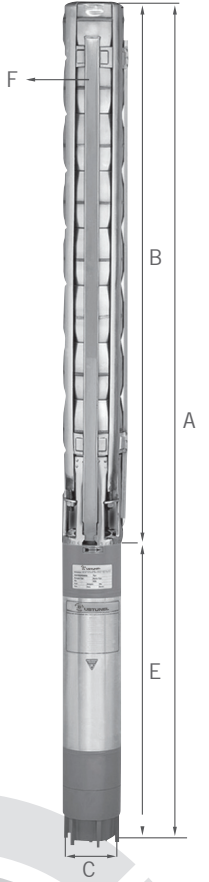


PASLANMAZ POMPA SERİSİ

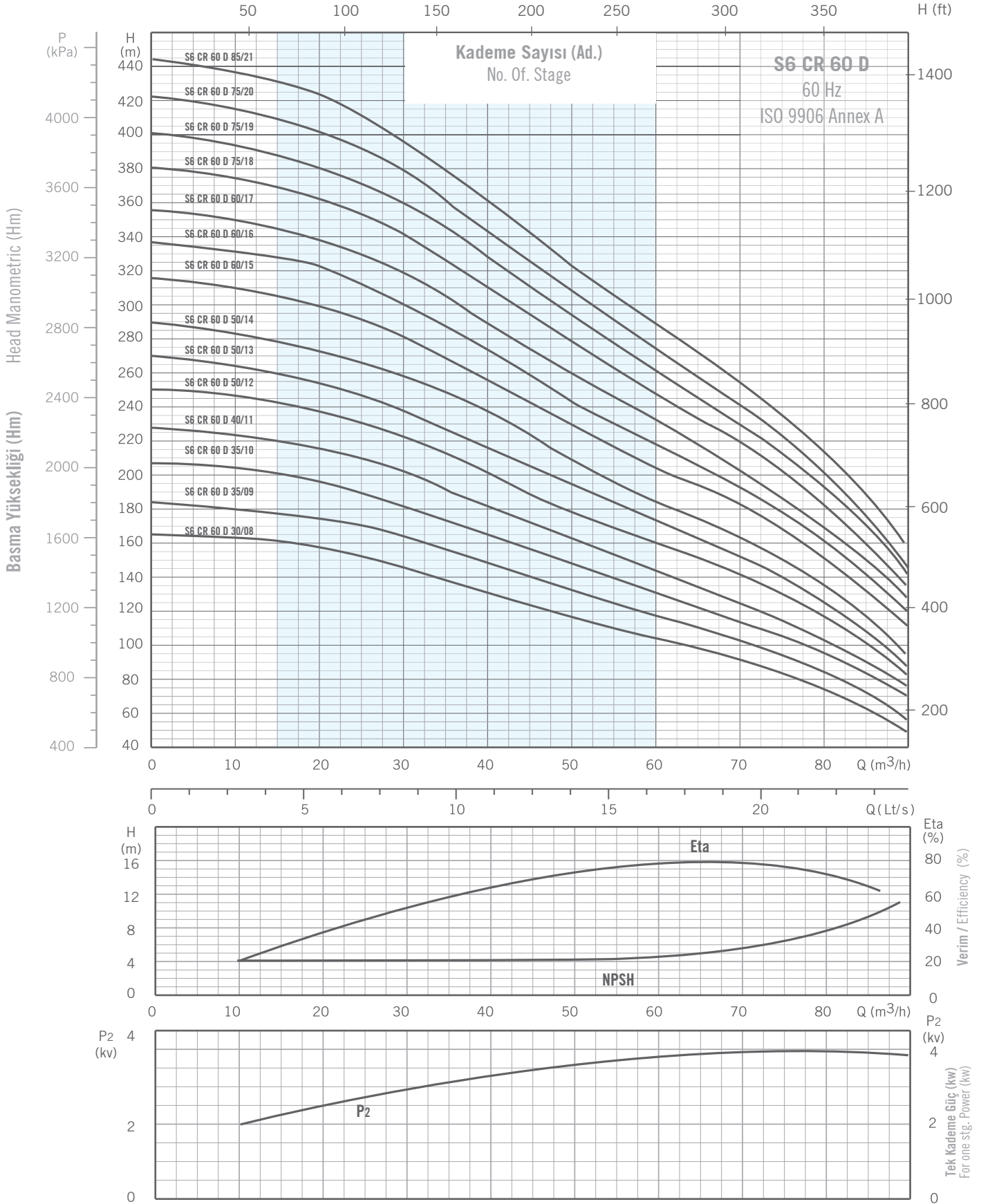


PASLANMAZ POMPA SERİSİ

Pompa Tipi Pump Type	Motor		Ölçüler (Dimensions) (mm)					Toplam Ağırlık Total Weight (kg)
			Bağlantı (Connection)			E	C	
	Tipi / Type	KW	A	B	F			
S6 CR 60 D 5.5/01	S095MC/5.5-T	4	980	400	145	580	95	25.2
S6 CR 60 D 7.5/02	S095MC/7.5	5.5	1193	510	145	683	95	31.1
S6 CR 60 D 12.5/03	S145MC/12.5	9.2	1270	620	145	650	145	64.6
S6 CR 60 D 15/04	S145MC/15	11	1430	730	145	700	145	72.1
S6 CR 60 D 17.5/05	S145MC/17.5	13	1600	850	145	750	145	78.6
S6 CR 60 D 25/06	S145MC/25	18.5	1830	960	145	870	145	95.1
S6 CR 60 D 25/07	S145MC/25	18.5	1940	1070	145	870	145	97.6
S6 CR 60 D 30/08	S145MC/30	22	2160	1190	145	970	145	112.1
S6 CR 60 D 35/09	S145MC/35	26	2360	1300	145	1060	145	113.6
S6 CR 60 D 35/10	S145MC/35	26	2470	1410	145	1060	145	126.1
S6 CR 60 D 40/11	S145MC/40	30	2660	1520	145	1140	145	151.6
S6 CR 60 D 50/12	S145MC/50	37	2950	1640	145	1310	145	157.1
S6 CR 60 D 50/13	S145MC/50	37	3065	1755	145	1310	145	159.6
S6 CR 60 D 50/14	S145MC/50	37	3180	1870	145	1310	145	162.1
S6 CR 60 D 60/15	S190MC/60	45	3445	1985	145	1460	193	167.6
S6 CR 60 D 60/16	S190MC/60	45	3560	2100	145	1460	193	170.1
S6 CR 60 D 60/17	S190MC/60	45	3650	2190	145	1460	193	172.6
S6 CR 60 D 75/18	S190MC/75	55	3432	2302	145	1130	193	230.1
S6 CR 60 D 75/19	S190MC/75	55	3544	2414	145	1130	193	232.6
S6 CR 60 D 75/20	S190MC/75	55	3656	2526	145	1130	193	235.1
S6 CR 60 D 85/21	S190MC/85	63	3848	2638	145	1210	193	251.6



PASLANMAZ POMPA SERİSİ



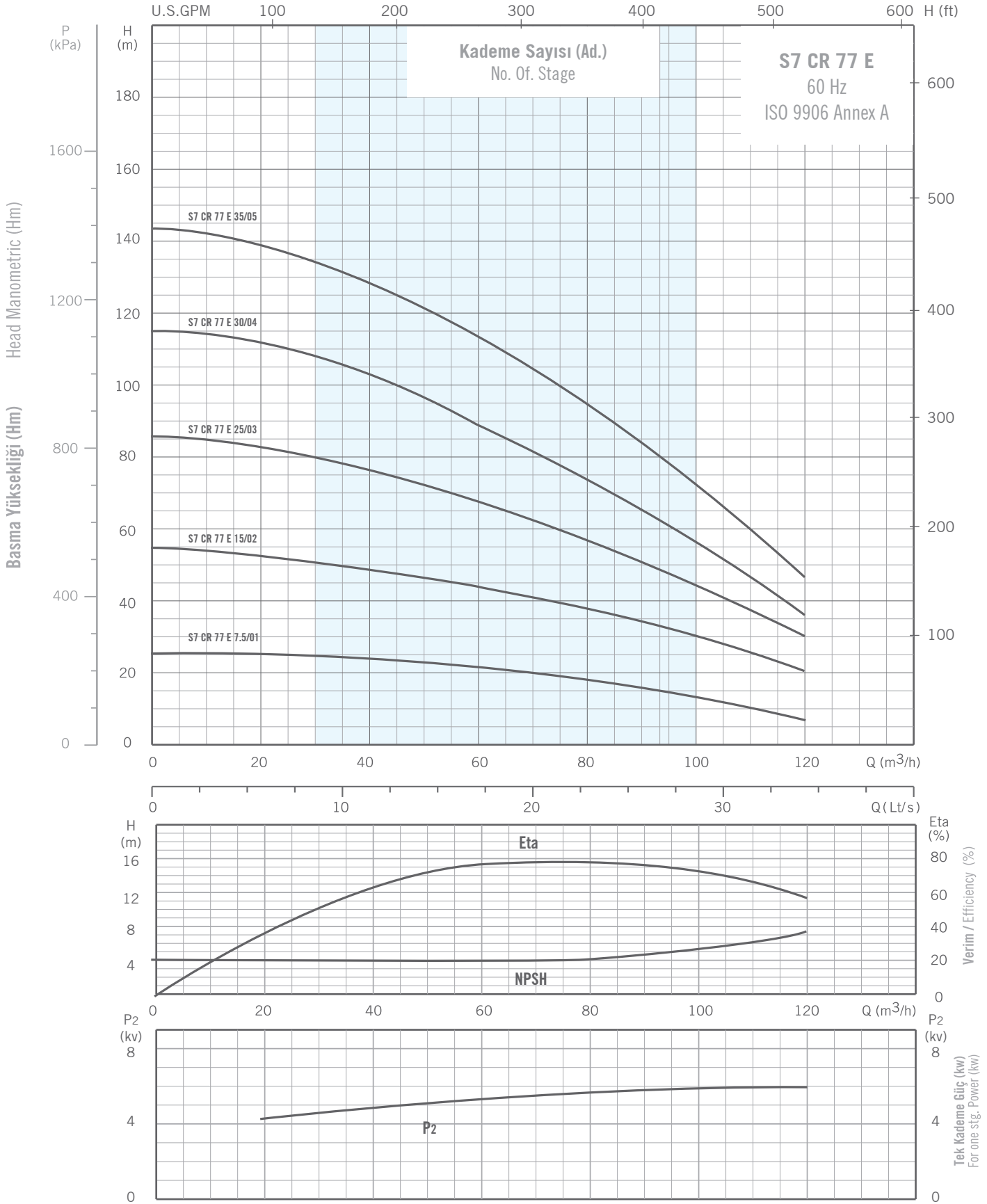
S7 CR 77 E

PASLANMAZ POMPA SERİSİ

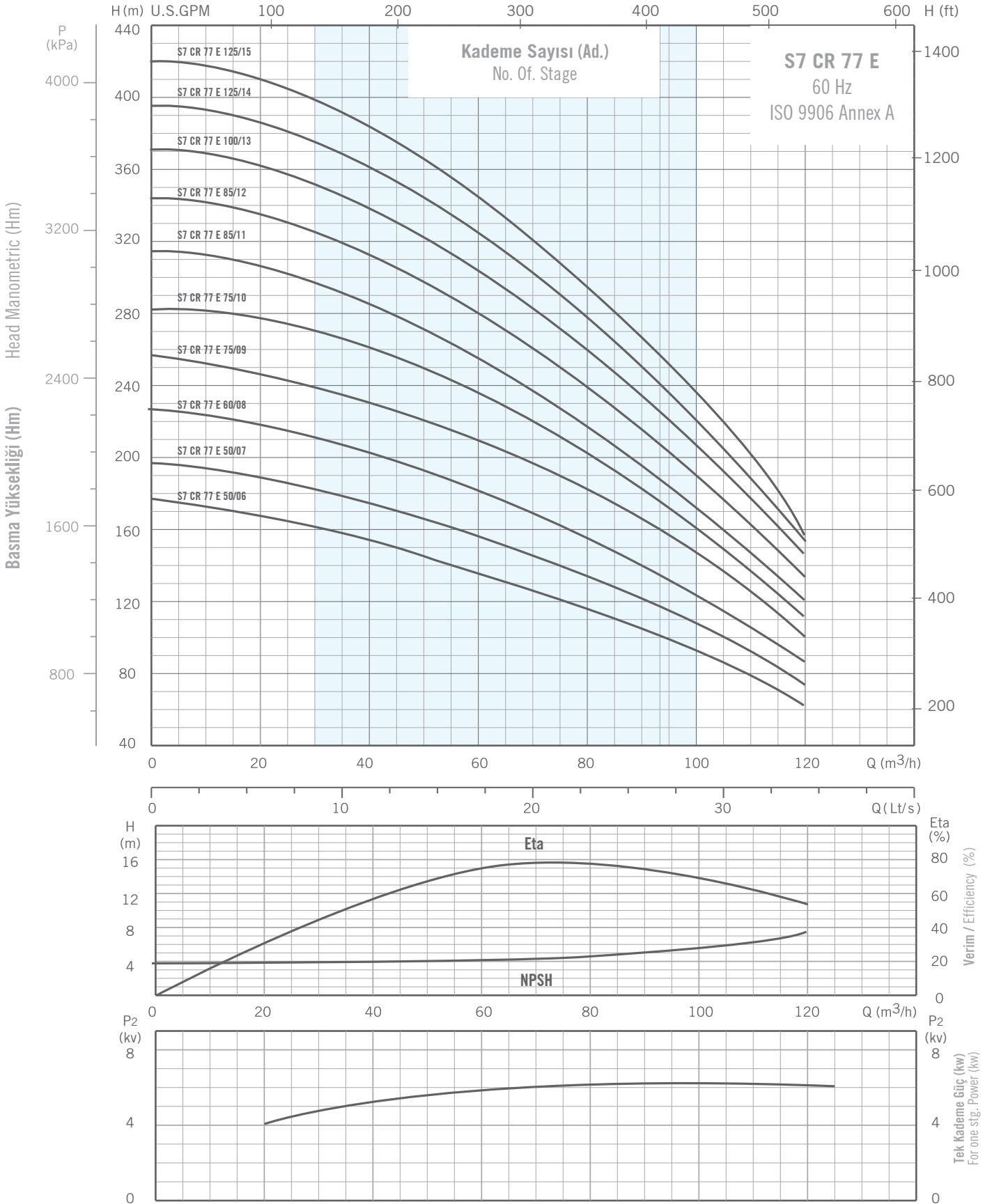


Pompa Tipi Pump Type	Motor		Ölçüler (Dimensions) (mm)					Toplam Ağırlık Total Weight (kg)
			Bağlantı (Connection)			E	C	
	Tipi / Type	KW	A	B	F			
S7 CR 77 E 7.5/01	S145MC/7.5	5.5	1245	562	171	683	145	41.4
S7 CR 77 E 15/02	S145MC/15	11	1290	590	171	700	145	81.0
S7 CR 77 E 25/03	S145MC/25	18.5	1680	810	171	870	145	103.0
S7 CR 77 E 30/04	S145MC/30	22	1910	940	171	970	145	119.0
S7 CR 77 E 35/05	S145MC/35	26	2130	1070	171	1060	145	132.0
S7 CR 77 E 50/06	S145MC/50	37	2510	1200	171	1310	145	162.0
S7 CR 77 E 50/07	S145MC/50	37	2640	1330	171	1310	145	166.0
S7 CR 77 E 60/08	S190MC/60	45	2910	1450	171	1460	193	174.9
S7 CR 77 E 75/09	S190MC/75	55	2730	1600	171	1130	193	233.9
S7 CR 77 E 75/10	S190MC/75	55	2895	1765	171	1130	193	237.9
S7 CR 77 E 85/11	S190MC/85	63	3103	1893	171	1210	193	255.9
S7 CR 77 E 85/12	S190MC/85	63	3231	2021	171	1210	193	261.2
S7 CR 77 E 100/13	S190MC/100	75	3514	2149	171	1365	193	289.2
S7 CR 77 E 125/14	S190MC/125	92	3807	2277	171	1530	193	319.2
S7 CR 77 E 125/15	S190MC/125	92	3935	2405	171	1530	193	323.2

PASLANMAZ POMPA SERİSİ



PASLANMAZ POMPA SERİSİ

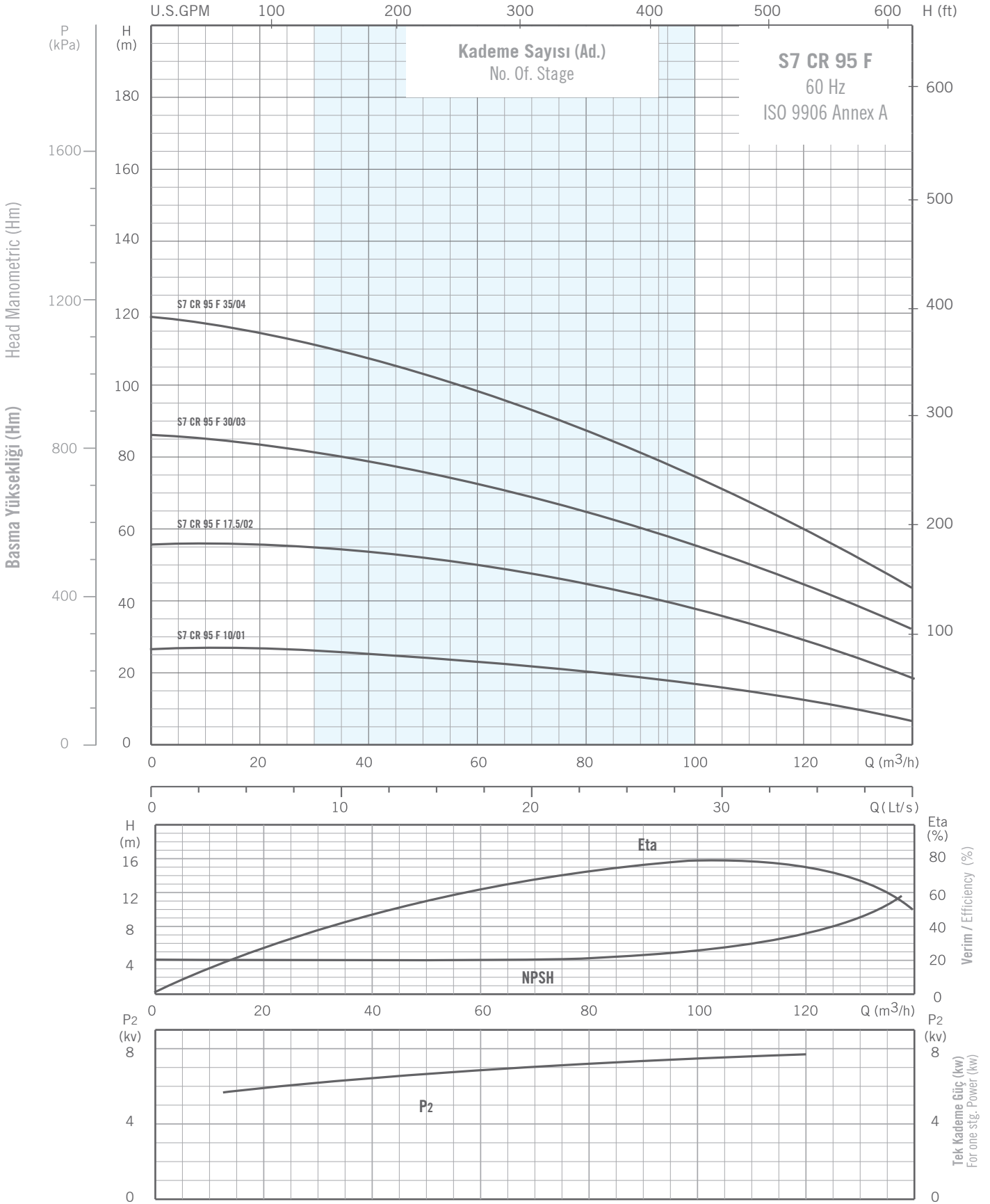


PASLANMAZ POMPA SERİSİ

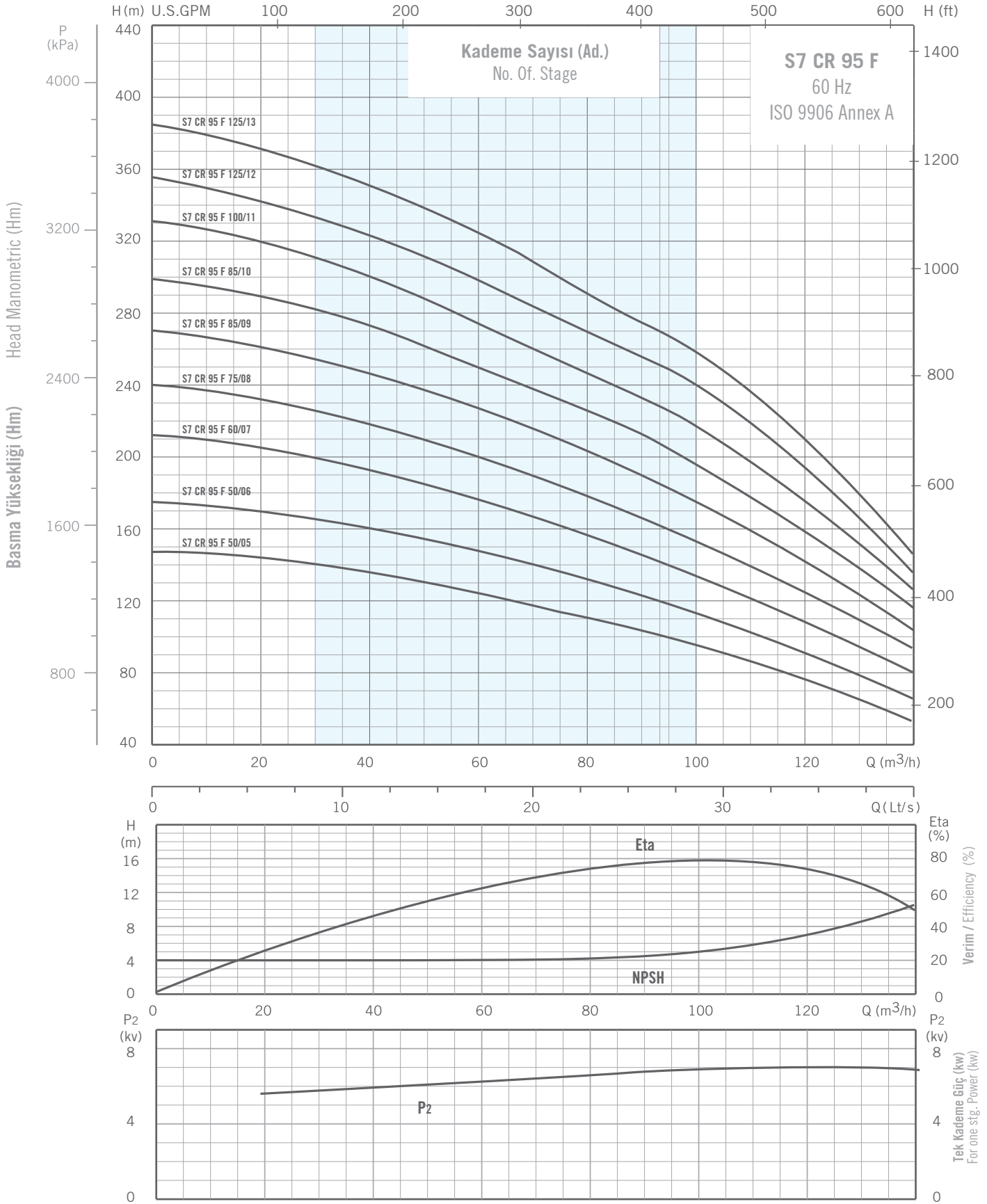
Pompa Tipi Pump Type	Motor		Ölçüler (Dimensions) (mm)					Toplam Ağırlık Total Weight (kg)
			Bağlantı (Connection)			E	C	
	Tipi / Type	KW	A	B	F			
S7 CR 95 F 10/01	S145MC/10	7.5	1180	560	171	620	145	66.0
S7 CR 95 F 17.5/02	S145MC/17.5	13	1440	690	171	750	145	85.0
S7 CR 95 F 30/03	S145MC/30	22	1780	810	171	970	145	115.0
S7 CR 95 F 35/04	S145MC/35	26	2000	940	171	1060	145	1280
S7 CR 95 F 50/05	S145MC/50	37	2384	1074	171	1310	145	158.0
S7 CR 95 F 50/06	S145MC/50	37	2510	1200	171	1310	145	162.0
S7 CR 95 F 60/07	S190MC/60	45	2790	1330	171	1460	193	169.0
S7 CR 95 F 75/08	S190MC/75	55	2624	1494	171	1130	193	229.9
S7 CR 95 F 85/09	S190MC/85	63	2825	1615	171	1210	193	247.9
S7 CR 95 F 85/10	S190MC/85	63	2975	1765	171	1210	193	253.2
S7 CR 95 F 100/11	S190MC/100	75	3258	1893	171	1365	193	281.2
S7 CR 95 F 125/12	S190MC/125	92	3551	2021	171	1530	193	311.2
S7 CR 95 F 125/13	S190MC/125	92	3679	2149	171	1530	193	315.2



PASLANMAZ POMPA SERİSİ

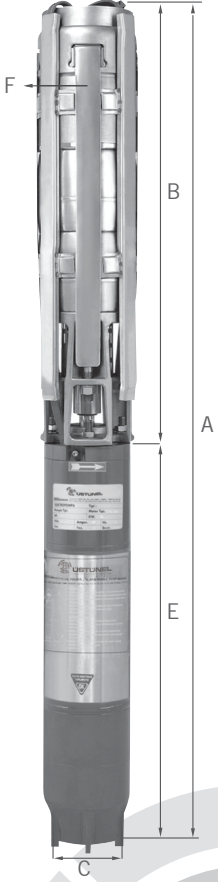


PASLANMAZ POMPA SERİSİ



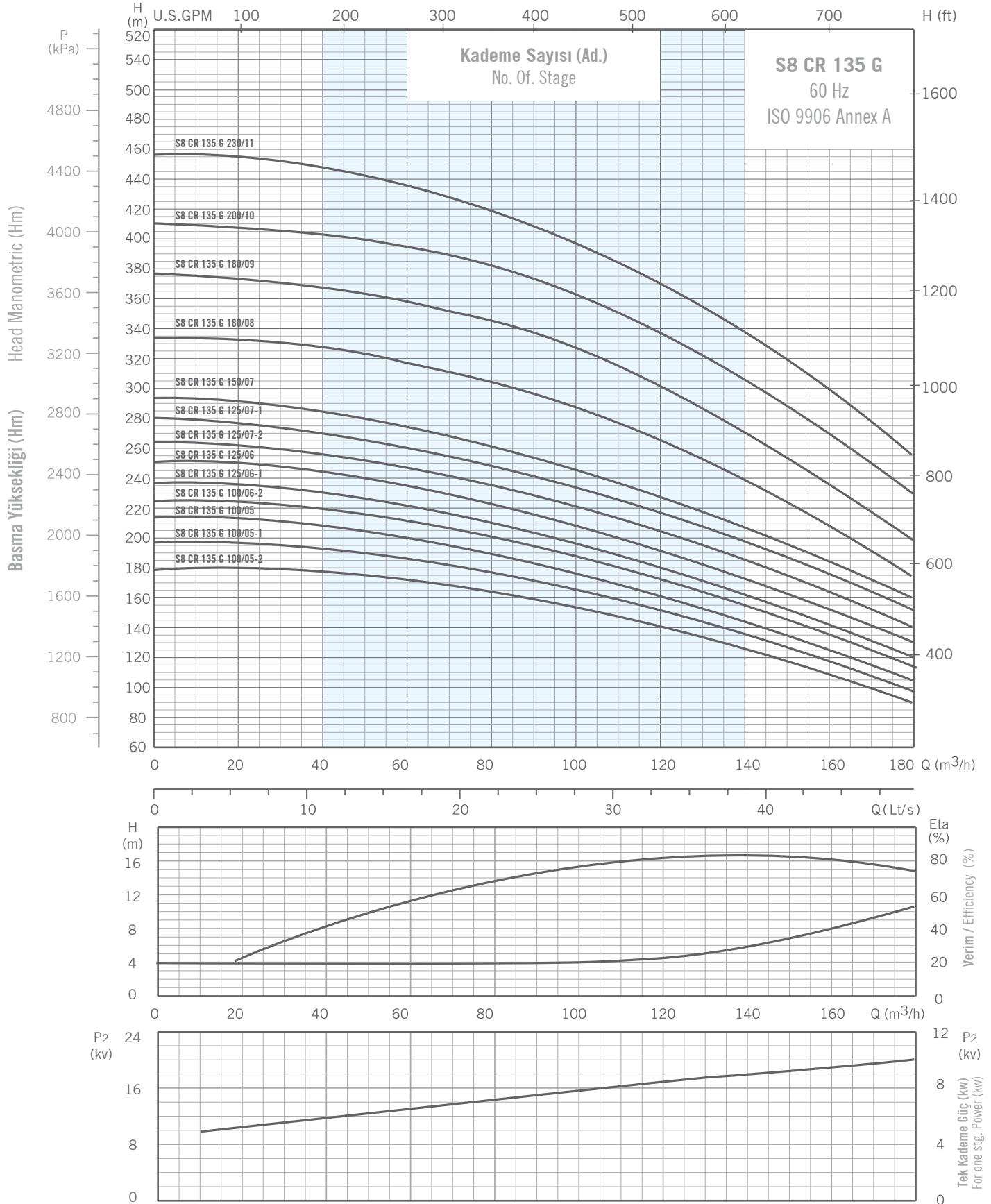
S8 CR 135 G

PASLANMAZ POMPA SERİSİ

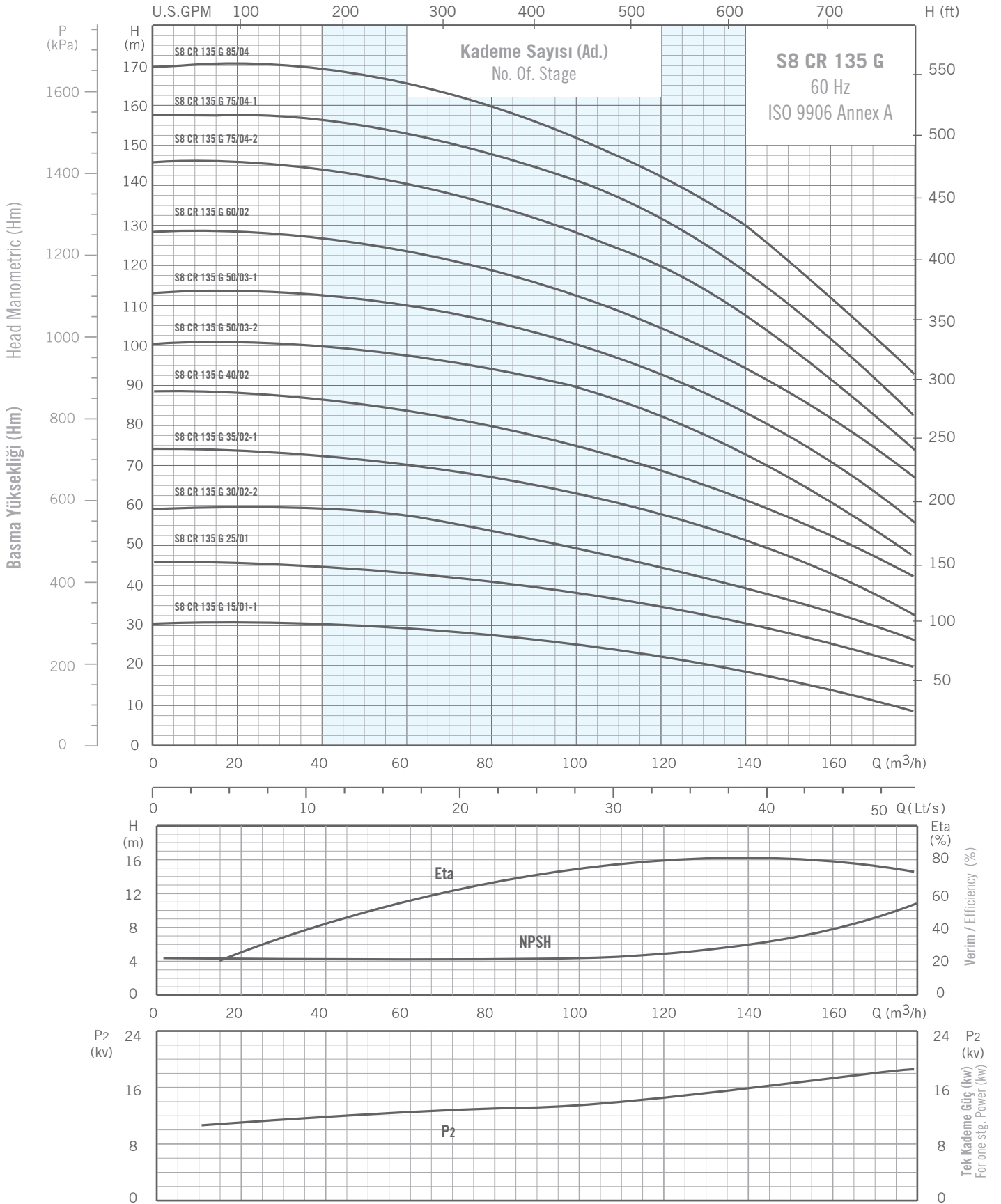


Pompa Tipi Pump Type	Motor		Ölçüler (Dimensions) (mm)					Toplam Ağırlık Total Weight (kg)
			Bağlantı (Connection)			E	C	
	Tipi / Type	KW	A	B	F			
S8 CR 135 G 15/01-1	S145MC/15	11	1391	666	210	725	145	90.5
S8 CR 135 G 25/01	S145MC/25	18.5	1571	666	210	905	145	111.0
S8 CR 135 G 30/02-2	S145MC/30	22	1807	822	210	985	145	124.5
S8 CR 135 G 35/02-1	S145MC/35	26	1897	822	210	1075	145	135.5
S8 CR 135 G 40/02	S145MC/40	30	1977	822	210	1155	145	144.0
S8 CR 135 G 50/03-2	S145MC/50	37	2313	978	210	1335	145	168.0
S8 CR 135 G 50/03-1	S145MC/50	37	2313	978	210	1335	145	168.0
S8 CR 135 G 60/03	S190MC/60	45	2028	978	210	1050	193	200.0
S8 CR 135 G 75/04-2	S190MC/75	55	2289	1134	210	1155	193	228.4
S8 CR 135 G 75/04-1	S190MC/75	55	2289	1134	210	1155	193	228.4
S8 CR 135 G 85/04	S190MC/85	63	2374	1134	210	1240	193	245.4
S8 CR 135 G 100/05-2	S190MC/100	75	2680	1290	210	1390	193	282.1
S8 CR 135 G 100/05-1	S190MC/100	75	2680	1290	210	1390	193	282.1
S8 CR 135 G 100/05	S190MC/100	75	2680	1290	210	1390	193	282.1
S8 CR 135 G 100/06-2	S190MC/100	75	2836	1446	210	1390	193	289.4
S8 CR 135 G 125/06-1	S190MC/125	92	2996	1446	210	1550	193	324.4
S8 CR 135 G 125/06	S190MC/125	92	2996	1446	210	1550	193	324.4
S8 CR 135 G 125/07-2	S190MC/125	92	3152	1602	210	1550	193	331.7
S8 CR 135 G 125/07-1	S190MC/125	92	3152	1602	210	1550	193	331.7
S8 CR 135 G 150/07	S190MC/150	110	3217	1602	210	1615	193	344.7
S8 CR 135 G 180/08	S250MC/180	132	3408	1758	210	1650	240	478.0
S8 CR 135 G 180/09	S250MC/180	132	3564	1914	210	1650	240	485.3
S8 CR 135 G 200/10	S250MC/200	147	3820	2070	210	1750	240	515.6
S8 CR 135 G 230/11	S250MC/230	170	4130	2220	210	1910	240	561.9

PASLANMAZ POMPA SERİSİ



PASLANMAZ POMPA SERİSİ

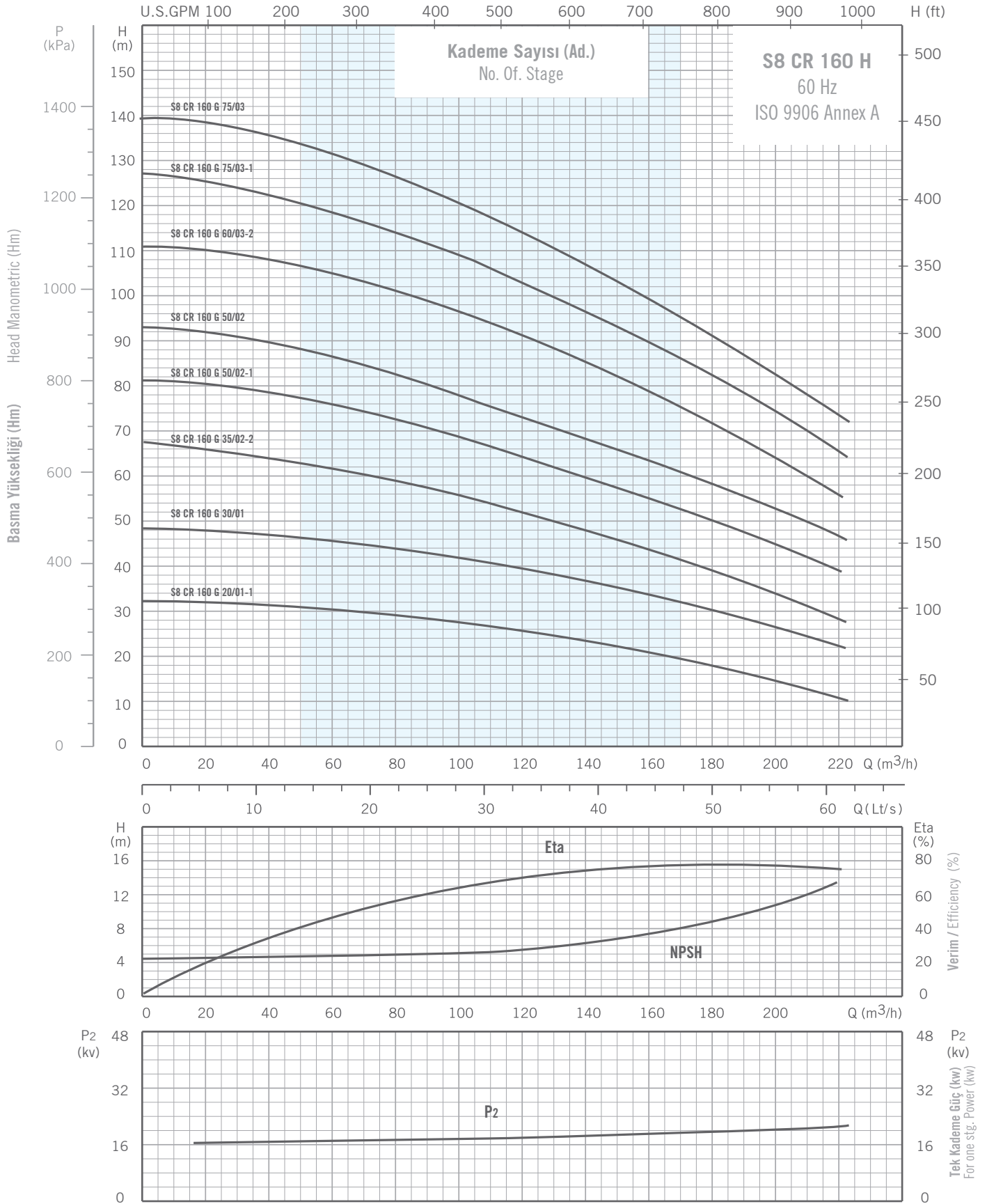


PASLANMAZ POMPA SERİSİ

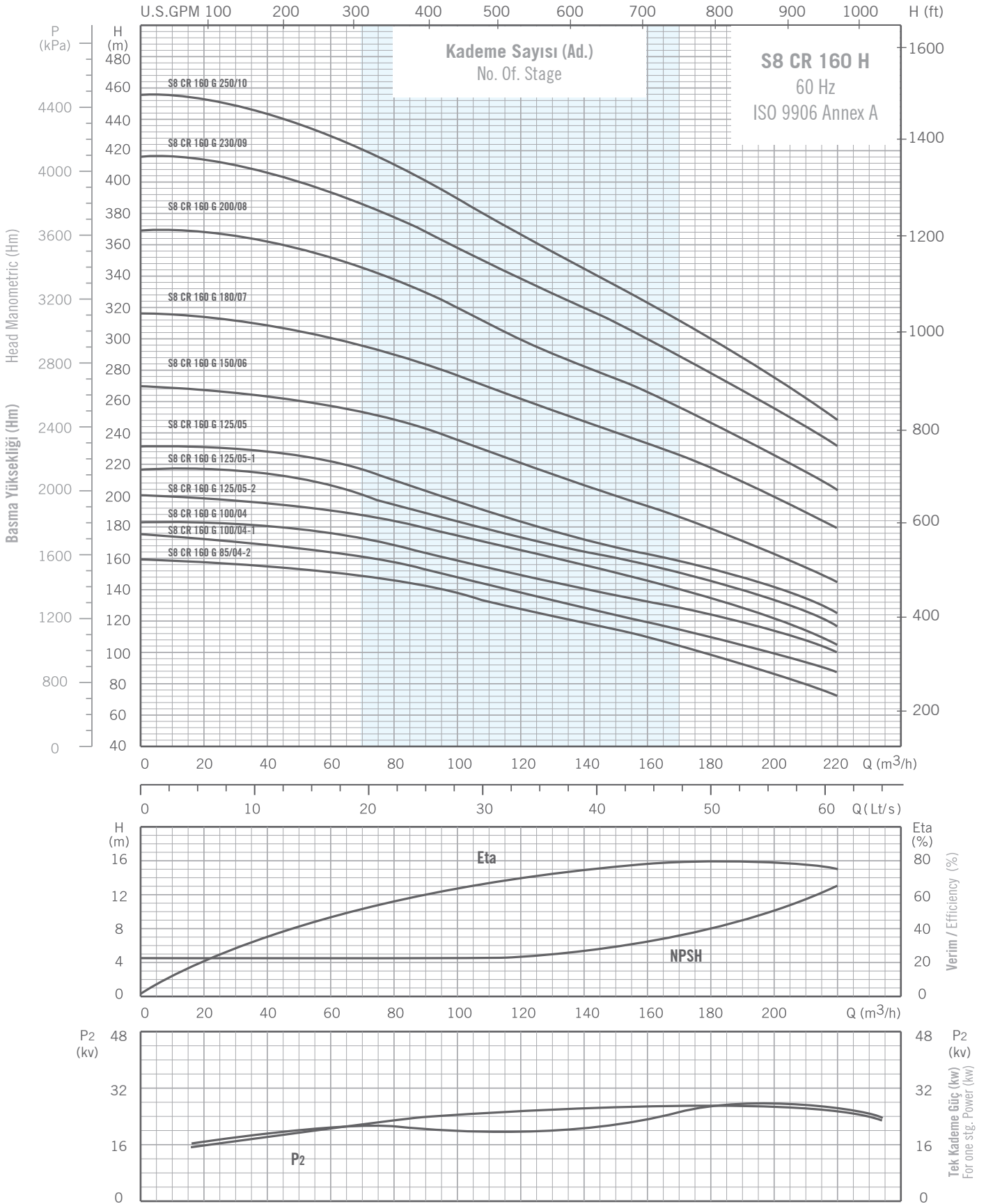
Pompa Tipi Pump Type	Motor		Ölçüler (Dimensions) (mm)					To- plam Ağırlık Total Weight (kg)
			Bağlantı (Connection)			E	C	
	Tipi / Type	KW	A	B	F			
S8 CR 160 H 20/01-1	S145MC/30	15	1491	666	210	825	145	102.6
S8 CR 160 H 30/01	S145MC/30	22	1651	666	210	985	145	1176
S8 CR 160 H 35/02-2	S145MC/35	26	1897	822	210	1075	145	135.9
S8 CR 160 H 50/02-1	S145MC/50	37	2157	822	210	1335	145	161.4
S8 CR 160 H 50/02	S145MC/50	37	2157	822	210	1335	145	161.4
S8 CR 160 H 60/03-2	S190MC/60	45	2028	978	210	1050	193	200.7
S8 CR 160 H 75/03-1	S190MC/75	55	2133	978	210	1155	193	220.7
S8 CR 160 H 75/03	S190MC/75	55	2133	978	210	1155	193	220.7
S8 CR 160 H 85/04-2	S190MC/85	63	2434	1194	210	1240	193	246.1
S8 CR 160 H 100/04-1	S190MC/100	75	2524	1134	210	1390	193	275.1
S8 CR 160 H 100/04	S190MC/100	75	2524	1134	210	1390	193	275.1
S8 CR 160 H 125/05-2	S190MC/125	92	2840	1290	210	1550	193	317.4
S8 CR 160 H 125/05-1	S190MC/125	92	2840	1290	210	1550	193	317.4
S8 CR 160 H 125/05	S190MC/125	92	2840	1290	210	1550	193	317.4
S8 CR 160 H 150/06	S190MC/150	110	3055	1440	210	1615	193	337.7
S8 CR 160 H 180/07	S190MC/180	132	3252	1602	210	1650	240	471.0
S8 CR 160 H 200/08	S190MC/200	147	3508	1758	210	1750	240	501.3
S8 CR 160 H 230/09	S190MC/230	170	3824	1914	210	1910	240	547.6
S8 CR 160 H 250/10	S190MC/250	185	4080	2070	210	2010	240	577.9



PASLANMAZ POMPA SERİSİ

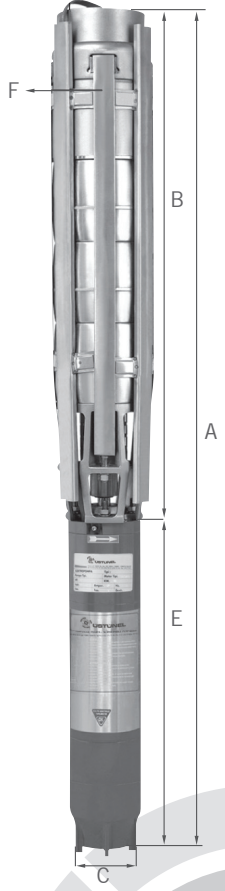


PASLANMAZ POMPA SERİSİ



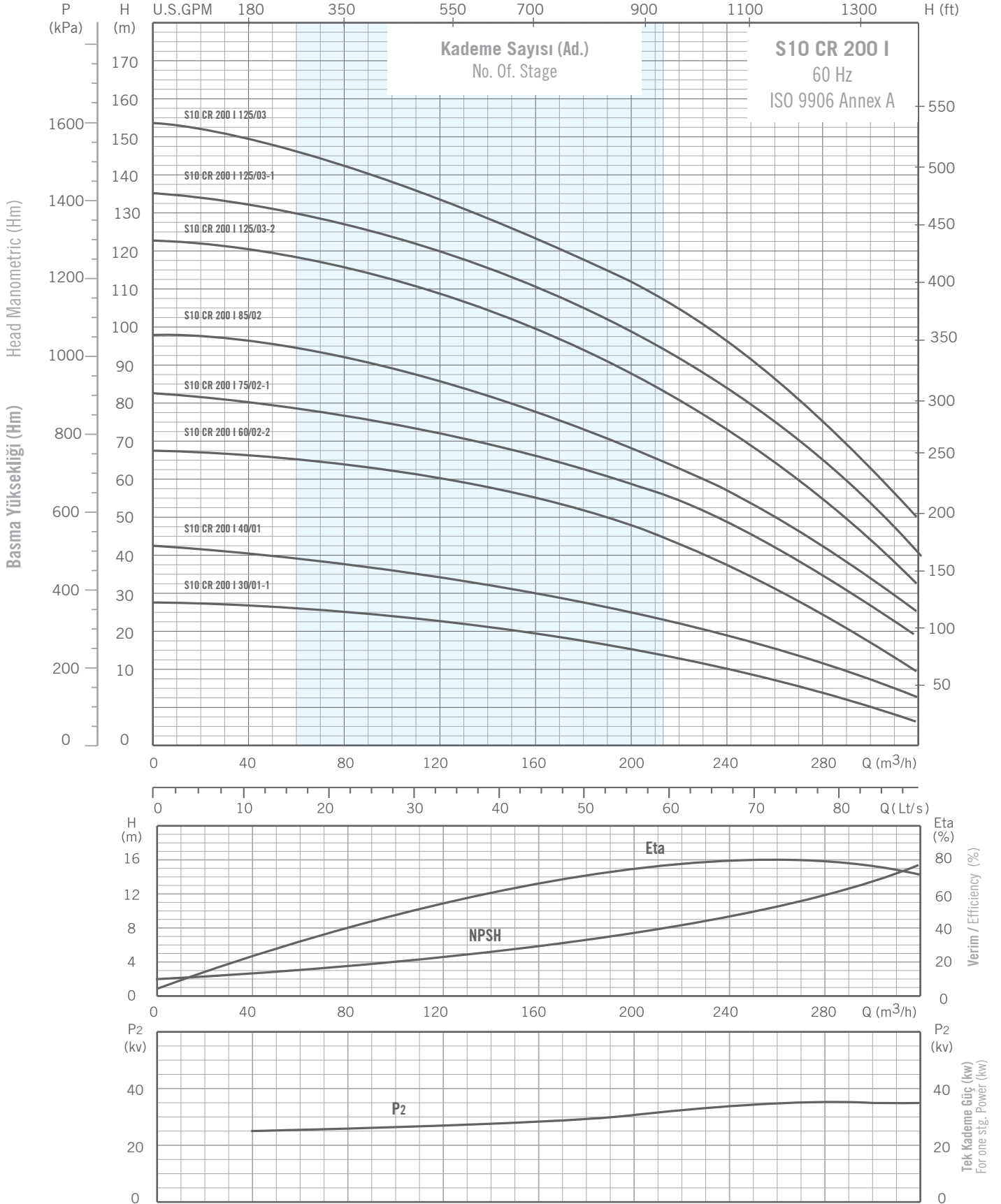
S10 CR 200

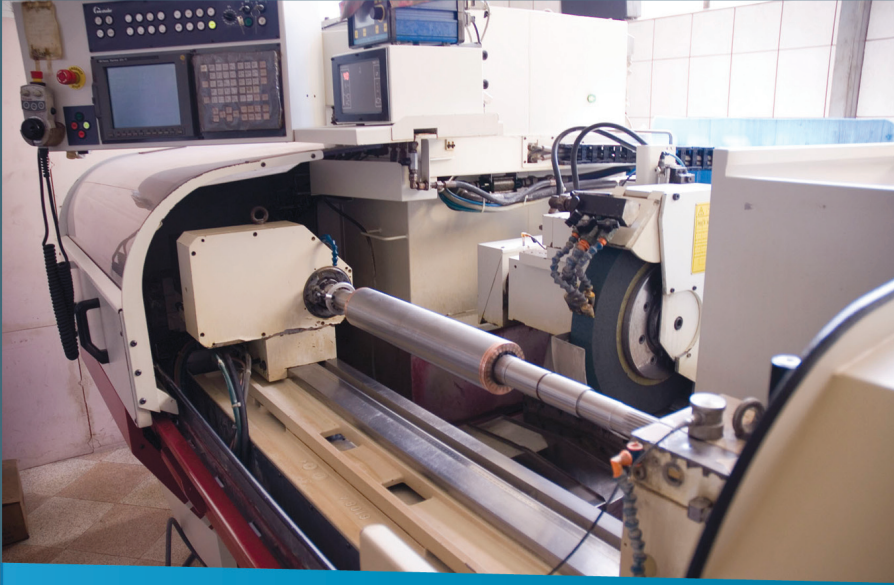
PASLANMAZ POMPA SERİSİ



Pompa Tipi Pump Type	Motor		Ölçüler (Dimensions) (mm)					Toplam Ağırlık Total Weight (kg)
			Bağlantı (Connection)			E	C	
	Tipi / Type	KW	A	B	F			
S10 CR 200 I 30/01-1	S145MC/30	22	1775	790	232	985	145	137.0
S10 CR 200 I 40/01	S145MC/40	30	1945	790	232	1155	145	156.5
S10 CR 200 I 60/02-2	S190MC/60	45	1810	760	232	2050	145	216.5
S10 CR 200 I 75/02-1	S190MC/75	55	1915	760	232	1155	145	236.5
S10 CR 200 I 85/02	S190MC/85	63	2000	760	232	1240	145	253.5
S10 CR 200 I 100/03-2	S190MC/100	75	2630	1140	232	1390	145	293.5
S10 CR 200 I 125/03-1	S190MC/125	92	2690	1140	232	1550	145	328.5
S10 CR 200 I 125/03	S190MC/125	92	2690	1140	232	1550	145	328.5

PASLANMAZ POMPA SERİSİ





Dalgıç Motor Serisi Submersible Motor Series

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USTUNEL®

Dalgıç Pompa-Submersible Pump

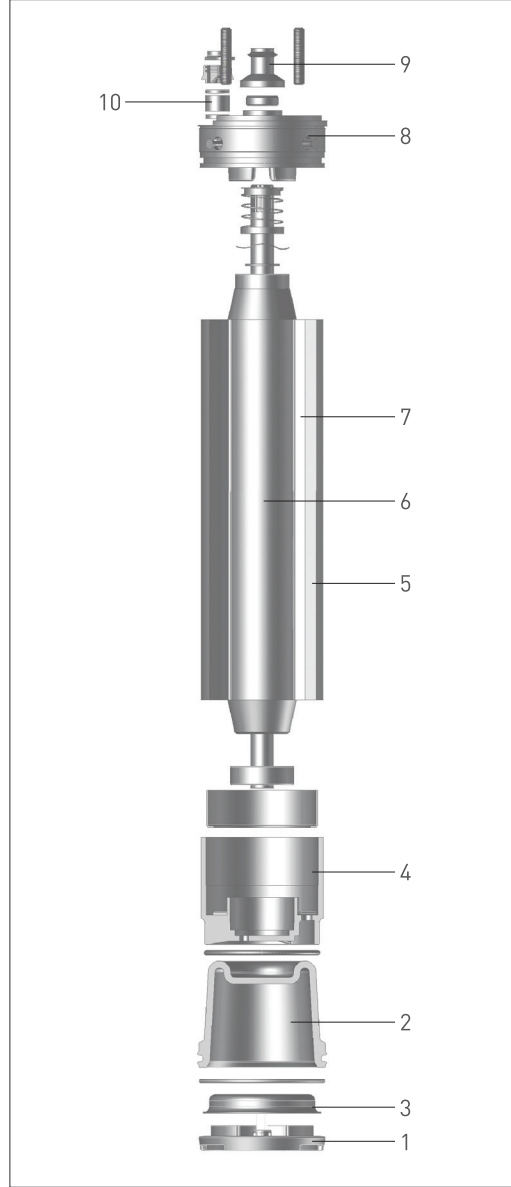
DALGIÇ MOTORLAR

Teknik Özellikler / Technical Specifications

KW	D	KW	HP	Direkt (D.O.L.)		Yıldız Üçgen Star Delta		Eksenel Yük. Ax. Thrust	Yol Verme Start	Boy Length	Ağırlık Weight
				mm ²	n	mm ²	n				
S095MC / 01-M	4"	0.75	1	3x2	1	-	-	15	20	405	11
S095MC / 1.5-M	4"	1.1	1.5	3x2	1	-	-	25	20	430	12.5
S095MC / 02-M	4"	1.5	2	3x2	1	-	-	25	20	460	14
S095MC / 03-M	4"	2.2	3	3x2	1	-	-	25	20	562	18.3
S095MC / 01-T	4"	0.75	1	3x2	1	-	-	25	20	378	9.1
S095MC / 1.5-T	4"	1.1	1.5	3x2	1	-	-	25	20	405	11
S095MC / 02-T	4"	1.5	2	3x2	1	-	-	25	20	424	12
S095MC / 03-T	4"	2.2	3	3x2	1	-	-	25	20	460	13.5
S095MC / 04-T	4"	3	4	3x2	1	-	-	50	20	518	16.5
S095MC / 05.5-T	4"	4	5.5	3x2	1	-	-	50	20	580	21.5
S095MC / 07.5-T	4"	5.5	7.5	3x2	1	-	-	50	20	683	26.8
S095MC / 10-T	4"	7.5	10	3x2	1	-	-	50	20	760	31
S145MC / 05	6"	4	5.5	3x2.5	1	3x2.5	2	35	20	570	42
S145MC / 07	6"	5.5	7.5	3x2.5	1	3x2.5	2	35	20	570	42
S145MC / 10	6"	7.5	10	3x2.5	1	3x2.5	2	35	20	620	47
S145MC / 12.5	6"	9	12.5	3x2.5	1	3x2.5	2	35	20	650	53
S145MC / 15	6"	11	15	3x4	1	3x2.5	2	35	20	700	58
S145MC / 17.5	6"	13	17.5	3x4	1	3x2.5	2	35	20	750	62
S145MC / 20	6"	15	20	3x6	1	3x2.5	2	35	20	800	64
S145MC / 25	6"	18.5	25	3x6	1	3x4	2	35	20	870	76
S145MC / 30	6"	22	30	3x6	1	3x4	2	35	20	970	88
S145MC / 35	6"	26	35	3x6	1	3x4	2	35	20	1060	97
S145MC / 40	6"	30	40	3x10	1	3x6	2	35	20	1140	120
S145MC / 50	6"	37	50	3x10	1	3x6	2	35	20	1310	123
S190MC / 30	8"	22	30	3x10	1	3x6	2	60	15	800	105
S190MC / 40	8"	30	40	3x10	1	3x6	2	60	15	873	120
S190MC / 50	8"	37	50	3x10	1	3x10	2	60	15	950	140
S190MC / 60	8"	45	60	3x16	1	3x10	2	60	15	1020	162
S190MC / 70	8"	52	70	3x16	1	3x10	2	60	15	1090	178
S190MC / 75	8"	55	75	3x16	1	3x10	2	60	15	1130	181
S190MC / 80	8"	60	80	3x16	1	3x10	2	60	15	1165	192
S190MC / 85	8"	63	85	3x16	1	3x10	2	60	15	1210	195
S190MC / 90	8"	67	90	3x25	1	3x16	2	60	15	1260	197
S190MC / 100	8"	75	100	3x25	1	3x16	2	60	15	1365	219
S190MC / 110	8"	81	110	3x25	1	3x16	2	60	15	1440	222
S190MC / 125	8"	92	125	3x35	1	3x25	2	60	15	1530	245
S190MC / 150	8"	110	150	3x35	1	3x25	2	60	15	1590	270
S250MC / 100	10"	75	100	3x35	1	3x25	2	75	10	1230	306
S250MC / 125	10"	92	125	3x35	1	3x25	2	75	10	1360	335
S250MC / 150	10"	110	150	3x35	1	3x25	2	75	10	1490	364
S250MC / 180	10"	130	180	3x50	1	3x25	2	75	10	1650	398
S250MC / 200	10"	150	200	3x50	1	3x35	2	75	10	1750	420
S250MC / 230	10"	170	230	3x70	1	3x35	2	75	10	1910	454
S250MC / 250	10"	185	250	3x70	1	3x50	2	75	10	2010	480

4" DALGIÇ MOTORLAR

4" Dalgıç Motor Parçaları / 4" Submersible Motors Components



Sıra No	Kod / Code	Ürün / Product	Malzeme / Material
1	YMC0950203	Alt Kapak / Lower Cover	ABS / ABS
2	B2101001	Mebran / Membrane	Kauçuk / Rubber
3	YMC0950201	Mebran Saçı / Membrane Sheet	Paslanmaz Nikel / Stainless Steel
4	YMC0950100	Rulman Yatağı / Bearing Housing	Alüminyum / Aluminium
5	YMC9511701	Motor Boru Gövde / Motor Housing	AISI 304 / AISI 304 (316 Optional)
6	YMC0951100	Rotor / Rotor	Silisi Saç / Si Sheet
7	YMC0953403	Statör / Stator	Silisi Saç / Si Sheet
8	YMC0952300	Üst Kapak / Upper Cover	Paslanmaz Döküm / Stainless Steel Cast
9	B0803004	Mil Koruyucu / Sand Guard	Kauçuk / Rubber
10	B1507001	Kablo Tutucu / Cable Holder	Kauçuk / Rubber

1*220 V

KW	HP	V	In [A]	Rpm [min ⁻¹]	Verim η (eff.) [%]			Cos ϕ (PF) [%]			Eksenel Yük Ax.Thrust F [N]	Maks. Yol Verme Max. Start	Maks. Su Sıcaklığı Max. Water Temp.
					50	75	100	50	75	100			
0.75	1	220	6.5	3475	40	48	55	0.91	0.96	0.97	1500	20	35°C
1.1	1.5	220	8.8	3440	43	54	60	0.93	0.95	0.96	2500	20	35°C
1.5	2	220	11.4	3445	49	58	64	0.91	0.95	0.97	2500	20	35°C
2.2	3	220	16.5	3450	48	59	64	0.95	0.96	0.97	2500	20	35°C

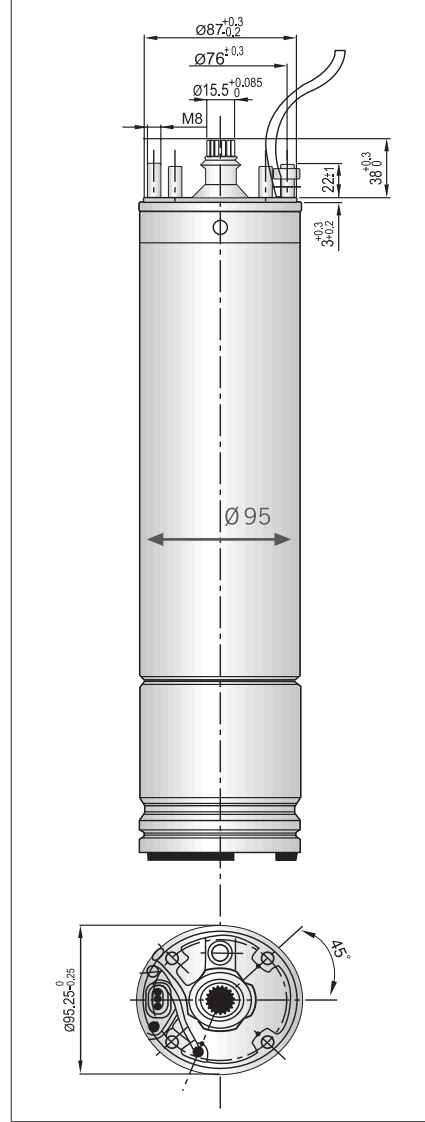
3*220 V

KW	HP	V	In [A]	Rpm [min ⁻¹]	Verim η (eff.) [%]			Cos ϕ (PF) [%]			Eksenel Yük Ax.Thrust F [N]	Maks. Yol Verme Max. Start	Maks. Su Sıcaklığı Max. Water Temp.
					50	75	100	50	75	100			
0.75	1	220	4.5	3490	47	53	61	0.63	0.71	0.78	1500	20	35°C
1.1	1.5	220	5.8	3450	57	65	68	0.66	0.75	0.81	2500	20	35°C
1.5	2	220	7.3	3460	65	71	72	0.60	0.71	0.80	2500	20	35°C
2.2	3	220	10.5	3440	64	67	73	0.60	0.71	0.81	2500	20	35°C
3	4	220	13.8	3420	69	72	75	0.62	0.74	0.81	2500	20	35°C
4	5.5	220	17.5	3465	70	75	77	0.61	0.73	0.82	5000	20	35°C
5.5	7.5	220	23.2	3460	73	78	79	0.64	0.77	0.83	5000	20	35°C
7.5	10	220	30.8	3455	75	78	80	0.64	0.76	0.82	5000	20	35°C

3*380 V

KW	HP	V	In [A]	Rpm [min ⁻¹]	Verim η (eff.) [%]			Cos ϕ (PF) [%]			Eksenel Yük Ax.Thrust F [N]	Maks. Yol Verme Max. Start	Maks. Su Sıcaklığı Max. Water Temp.
					50	75	100	50	75	100			
0.75	1	380	2.6	3500	50	57	62	0.56	0.63	0.73	1500	20	35°C
1.1	1.5	380	3.2	3465	65	67	71	0.56	0.68	0.75	2500	20	35°C
1.5	2	380	4.5	3460	62	65	72	0.54	0.67	0.75	2500	20	35°C
2.2	3	380	6.4	3460	66	72	74	0.53	0.63	0.73	2500	20	35°C
3	4	380	8.5	3470	70	74	77	0.52	0.61	0.72	2500	20	35°C
4	5.5	380	10.4	3480	74	78	81	0.53	0.66	0.76	5000	20	35°C
5.5	7.5	380	13.7	3490	74	79	81	0.56	0.70	0.77	5000	20	35°C
7.5	10	380	18.5	3460	72	77	82	0.58	0.75	0.83	5000	20	35°C

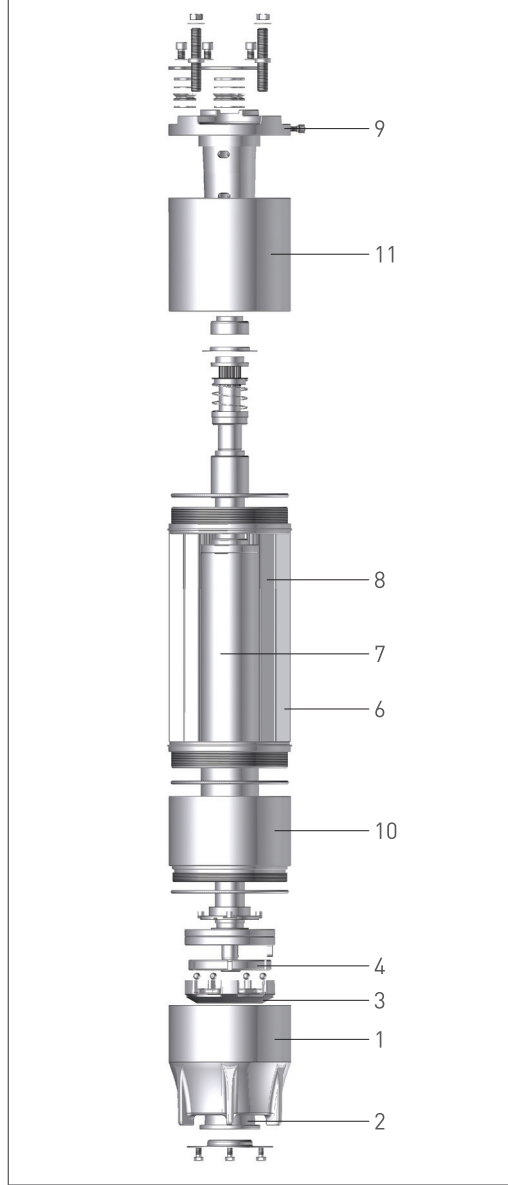
Motor Ölçüleri / Motor Dimensions



Motor Tipi / Motor Type	Sargıların Direnç Değeri / Resistance Values ± %5 (25) Single Phase 220/230V - 50 HZ	
	Ω (main)	Ω (Start)
S095 MC / 1-M	3.6	10
S095 MC / 1.5-M	2.6	6.4
S095 MC / 2-M	2.2	5.5
S095 MC / 3-M	1.4	3.2

Motor Tipi / Motor Type	Sargıların Direnç Değeri / Resistance Values ± %5 (25) Single Phase 380V - 50 HZ
S095 MC / 1.5-T	14.8
S095 MC / 2-T	10.6
S095 MC / 3-T	7.4
S095 MC / 4-T	4.4
S095 MC / 5.5-T	3.4
S095 MC / 7.5-T	2.8

6" Dalgiç Motor Parçaları / 6" Submersible Motor Components



Sıra No	Kod / Code	Ürün / Product	Malzeme / Material
1	YMC1450203	Alt Kapak / Lower Cover	Pik Döküm (GG25) / Cast Iron (GJL250)
2	B2101002	Mebran / Membrane	Kauçuk / Rubber
3	YMC1450500	Trans Yatağı / Thrust Disc	Pirinç Paslanmaz / Brass-Stainless Steel
4	YMC1450700	Trans Yatağı Üçgeni / Thrust Sliding	Paslanmaz / Stainless Steel
5	YMC1451400	Balans Parçası / Balance Part	Pirinç / Brass
6	YMC1451701	Motor Boru Gövde / Motor Housing	AISI 304
7	YMC1451100	Rotor / Rotor	Silisi Şağ / Si Sheet
8	YMC1453403	Statör / Stator	Silisi Şağ / Si Sheet
9	YMC1452300	Üst Kapak / Upper Cover	Paslanmaz Döküm / Stainless Steel Casting
10	YMC1450900	Alt Ara Kapak / Low Support Cover	Pik Döküm (GG25) / Cast Iron (GJL250)
11	YMC1451800	Üst Ara Kapak / Upper Support Cover	Pik Döküm (GG25) / Cast Iron (GJL250)

6" 60 HZ

6" DALGIÇ MOTORLAR

3*220 V

KW	HP	V	In [A]	Rpm [min ⁻¹]	Verim η (eff.) [%]			Cos ϕ (PF) [%]			Eksenel Yük Ax.Thrust F [N]	Maks. Yol Verme Max. Start	Maks. Su Sıcaklığı Max. Water Temp.
					50	75	100	50	75	100			
4	5.5	220	17.6	3450	72	75	76	0.64	0.74	0.80	35000	20	30°C
5.5	7.5	220	23.4	3450	76	77	78	0.64	0.73	0.81	35000	20	30°C
7.5	10	220	31.0	3460	73	78	79	0.76	0.82	0.85	35000	20	30°C
9	12.5	220	38.8	3455	78	80	81	0.68	0.78	0.83	35000	20	30°C
11	15	220	46.5	3470	78	81	83	0.79	0.85	0.88	35000	20	30°C
13	17.5	220	54.3	3450	81	83	83	0.69	0.79	0.85	35000	20	30°C
15	20	220	62.0	3455	80	84	85	0.79	0.84	0.88	35000	20	30°C
18.5	25	220	77.5	3470	80	82	84	0.79	0.85	0.88	35000	20	30°C
22	30	220	93.0	3470	83	87	87	0.78	0.86	0.89	35000	20	30°C
26	35	220	108.5	3455	83	85	86	0.72	0.83	0.87	35000	20	30°C
30	40	220	124.0	3465	86	88	89	0.78	0.84	0.88	35000	20	30°C
37	50	220	155.0	3470	88	89	88	0.81	0.87	0.89	35000	20	30°C
45	60	220	188.0	3460	88	87	88	0.85	0.86	0.87	35000	20	30°C

3*380 V

KW	HP	V	In [A]	Rpm [min ⁻¹]	Verim η (eff.) [%]			Cos ϕ (PF) [%]			Eksenel Yük Ax.Thrust F [N]	Maks. Yol Verme Max. Start	Maks. Su Sıcaklığı Max. Water Temp.
					50	75	100	50	75	100			
4	5.5	380	9.6	3455	68	74	77	0.69	0.71	0.79	35000	20	30°C
5.5	7.5	380	12.4	3460	71	76	78	0.74	0.83	0.87	35000	20	30°C
7.5	10	380	16.5	3470	74	79	81	0.77	0.82	0.85	35000	20	30°C
9	12.5	380	20.0	3460	79	81	83	0.70	0.80	0.86	35000	20	30°C
11	15	380	24.0	3450	78	82	82	0.79	0.84	0.88	35000	20	30°C
13	17.5	380	28.2	3455	82	84	84	0.79	0.87	0.87	35000	20	30°C
15	20	380	32.0	3460	82	85	85	0.79	0.85	0.88	35000	20	30°C
18.5	25	380	40.0	3465	84	87	87	0.77	0.84	0.87	35000	20	30°C
22	30	380	48.5	3470	81	84	85	0.79	0.86	0.89	35000	20	30°C
26	35	380	56.0	3460	86	87	88	0.77	0.77	0.87	35000	20	30°C
30	40	380	64.0	3475	88	89	90	0.78	0.84	0.87	35000	20	30°C
37	50	380	80.0	3470	87	88	89	0.80	0.86	0.88	35000	20	30°C
45	60	380	96.0	3465	87	88	88	0.85	0.86	0.86	35000	20	30°C

3*460 V

KW	HP	V	In [A]	Rpm [min ⁻¹]	Verim η (eff.) [%]			Cos ϕ (PF) [%]			Eksenel Yük Ax.Thrust F [N]	Maks. Yol Verme Max. Start	Maks. Su Sıcaklığı Max. Water Temp.
					50	75	100	50	75	100			
4	5.5	460	8.3	3470	67	71	74	0.68	0.79	0.84	35000	20	30°C
5.5	7.5	460	10.8	3475	66	73	75	0.70	0.80	0.85	35000	20	30°C
7.5	10	460	14.0	3460	72	74	77	0.72	0.79	0.85	35000	20	30°C
9	12.5	460	17.5	3465	73	77	79	0.70	0.78	0.84	35000	20	30°C
11	15	460	21.0	3470	74	77	81	0.69	0.79	0.86	35000	20	30°C
13	17.5	460	14.2	3470	77	77	80	0.71	0.78	0.84	35000	20	30°C
15	20	460	26.5	3475	76	79	82	0.71	0.81	0.85	35000	20	30°C
18.5	25	460	33.0	3465	77	81	83	0.72	0.81	0.86	35000	20	30°C
22	30	460	38.5	3470	81	83	85	0.75	0.82	0.86	35000	20	30°C
26	35	460	45.0	3470	80	83	84	0.70	0.80	0.85	35000	20	30°C
30	40	460	51.0	3480	73	82	85	0.74	0.82	0.85	35000	20	30°C
37	50	460	61.0	3465	84	85	86	0.77	0.87	0.87	35000	20	30°C
45	60	460	73.0	3460	83	84	87	0.78	0.84	0.86	35000	20	30°C

S0190 MC

8" DALGIÇ MOTORLAR

8" 60 Hz

3*380 V

KW	HP	V	In [A]	Rpm [min ⁻¹]	Verim η (eff.) [%]			Cos ϕ (PF) [%]			Eksenel Yük Ax.Thrust F [N]	Maks. Yol Verme Max. Start	Maks. Su Sıcaklığı Max. Water Temp.
					50	75	100	50	75	100			
22	30	380	48	3485	82	85	85	0.79	0.85	0.87	60000	15	45°C
30	40	380	66	3480	83	85	86	0.80	0.86	0.88	60000	15	45°C
37	50	380	79	3485	82	85	86	0.75	0.82	0.86	60000	15	45°C
45	60	380	96	3485	83	86	87	0.73	0.81	0.86	60000	15	45°C
52	70	380	112	3495	82	87	87	0.74	0.83	0.87	60000	15	45°C
55	75	380	120	3485	83	87	88	0.77	0.84	0.87	60000	15	45°C
60	80	380	127	3490	84	87	88	0.76	0.84	0.89	60000	15	45°C
63	85	380	135	3485	82	86	86	0.77	0.85	0.88	60000	15	45°C
67	90	380	144	3490	83	86	87	0.73	0.82	0.86	60000	15	45°C
75	100	380	158	3490	84	87	88	0.78	0.85	0.87	60000	15	45°C
81	110	380	172	3500	85	87	89	0.75	0.83	0.88	60000	15	45°C
92	125	380	198	3495	84	86	88	0.78	0.84	0.86	60000	15	45°C
110	150	380	218	3490	85	88	89	0.79	0.85	0.87	60000	15	45°C

3*460 V

KW	HP	V	In [A]	Rpm [min ⁻¹]	Verim η (eff.) [%]			Cos ϕ (PF) [%]			Eksenel Yük Ax.Thrust F [N]	Maks. Yol Verme Max. Start	Maks. Su Sıcaklığı Max. Water Temp.
					50	75	100	50	75	100			
22	30	460	43	3490	75	79	81	0.73	0.80	0.84	60000	15	45°C
30	40	460	55	3485	80	82	83	0.70	0.79	0.84	60000	15	45°C
37	50	460	64	3490	82	83	85	0.71	0.81	0.85	60000	15	45°C
45	60	460	76	3490	82	85	85	0.72	0.82	0.86	60000	15	45°C
52	70	460	88	3500	83	85	86	0.69	0.80	0.86	60000	15	45°C
55	75	460	94	3500	83	86	86	0.70	0.82	0.87	60000	15	45°C
60	80	460	103	3510	83	85	87	0.69	0.81	0.85	60000	15	45°C
63	85	460	109	3505	82	85	87	0.70	0.83	0.86	60000	15	45°C
67	90	460	115	3500	82	85	86	0.71	0.84	0.87	60000	15	45°C
75	100	460	125	3510	83	86	87	0.68	0.79	0.86	60000	15	45°C
81	110	460	136	3505	84	86	88	0.69	0.80	0.87	60000	15	45°C
92	125	460	154	3510	85	86	88	0.71	0.83	0.88	60000	15	45°C
110	150	460	190	3500	86	87	88	0.73	0.84	0.88	60000	15	45°C

10" 60 HZ

10" DALGIÇ MOTORLAR

3*380 V

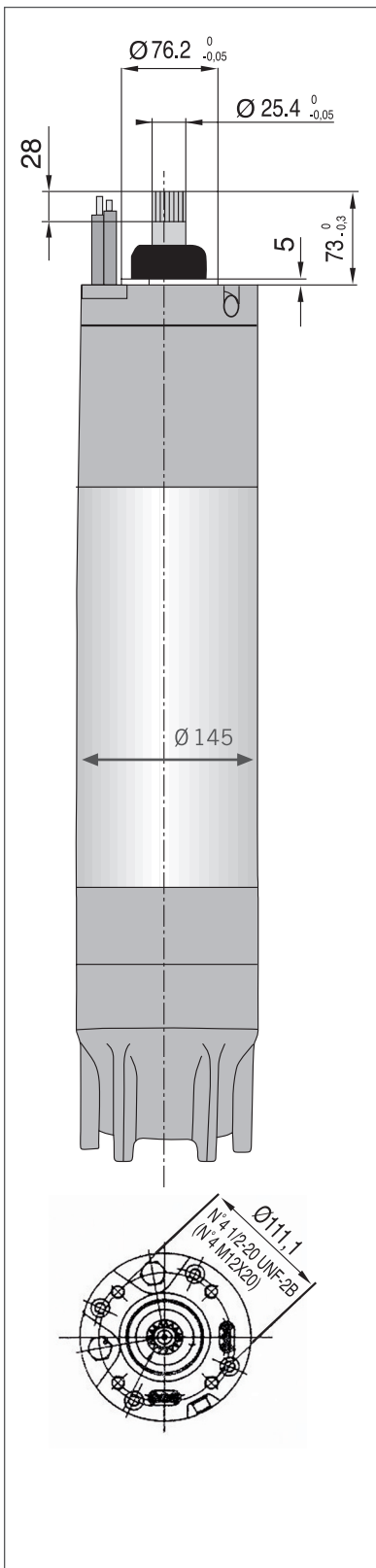
KW	HP	V	In [A]	Rpm [min ⁻¹]	Verim η (eff.) [%]			Cos ϕ (PF) [%]			Eksenel Yük Ax.Thrust F [N]	Maks. Yol Verme Max. Start	Maks. Su Sıcaklığı Max. Water Temp.
					50	75	100	50	75	100			
75	100	380	150	3500	88	89	88	0.78	0.81	0.87	75000	10	45°C
92	125	380	185	3510	87	88	89	0.80	0.83	0.88	75000	10	45°C
110	150	380	220	3505	88	89	90	0.79	0.83	0.87	75000	10	45°C
130	180	380	268	3510	88	87	89	0.80	0.84	0.88	75000	10	45°C
150	200	380	281	3515	87	88	99	0.78	0.84	0.88	75000	10	45°C
170	230	380	320	3510	87	88	89	0.79	0.83	0.87	75000	10	45°C
185	250	380	355	3515	89	89	90	0.79	0.85	0.89	75000	10	45°C

3*460 V

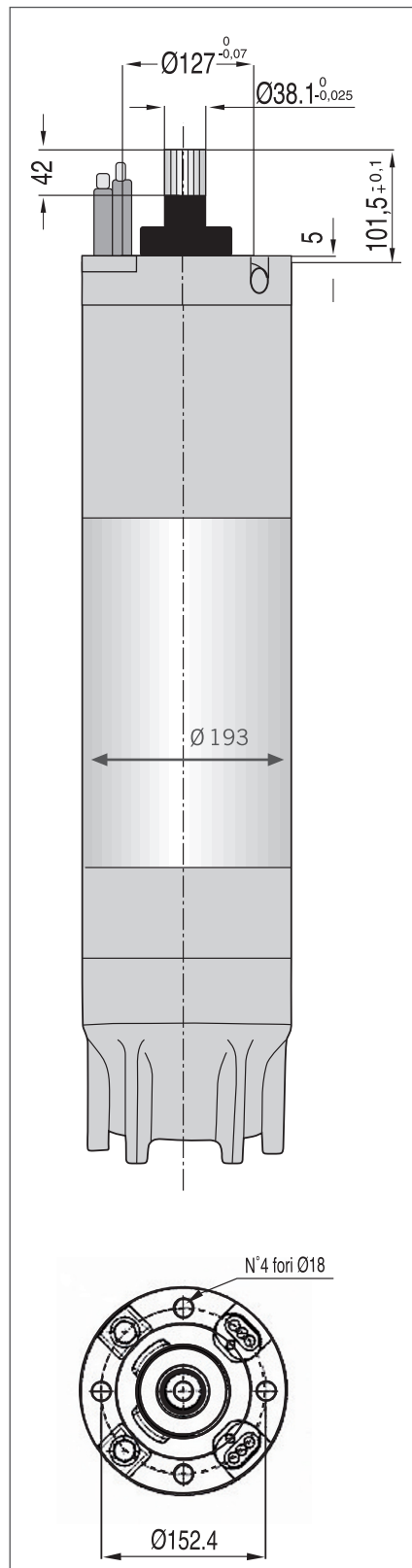
KW	HP	V	In [A]	Rpm [min ⁻¹]	Verim η (eff.) [%]			Cos ϕ (PF) [%]			Eksenel Yük Ax.Thrust F [N]	Maks. Yol Verme Max. Start	Maks. Su Sıcaklığı Max. Water Temp.
					50	75	100	50	75	100			
75	100	460	128	3490	84	85	85	0.78	0.84	0.87	75000	10	45°C
92	125	460	152	3500	87	87	88	0.78	0.85	0.88	75000	10	45°C
110	150	460	179	3500	87	88	88	0.80	0.87	0.89	75000	10	45°C
130	180	460	218	3510	87	88	88	0.78	0.85	0.88	75000	10	45°C
150	200	460	237	3510	88	88	89	0.79	0.87	0.90	75000	10	45°C
170	230	460	274	3500	87	88	88	0.78	0.87	0.89	75000	10	45°C
185	250	460	295	3500	86	88	89	0.79	0.88	0.90	75000	10	45°C

DALGIÇ MOTORLAR

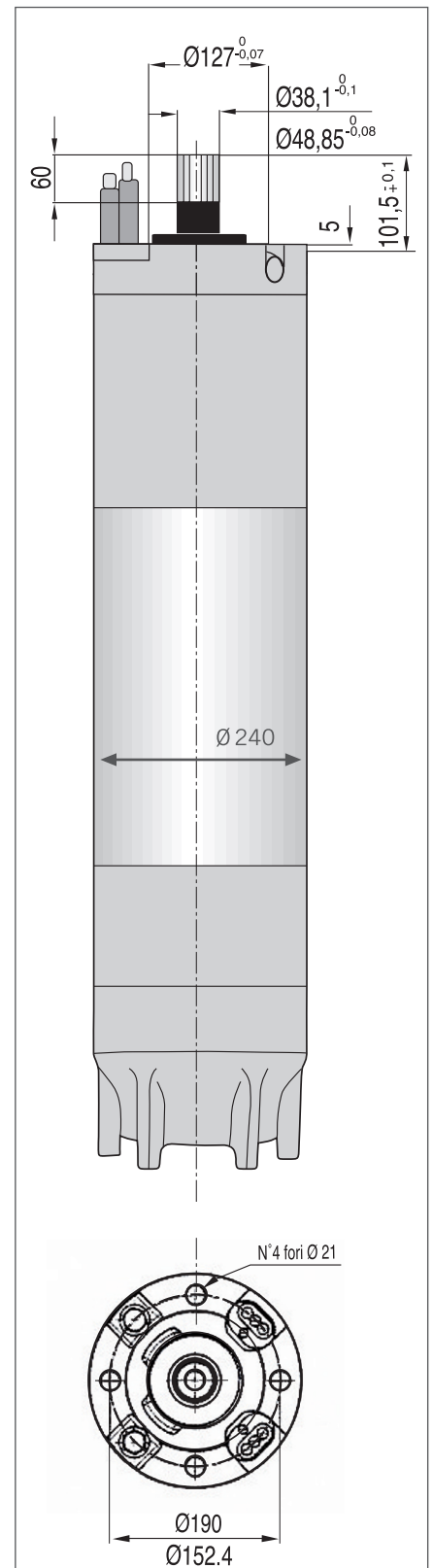
6" Motor



8" Motor



10" Motor



DALGIÇ MOTORLAR



Yükseklik Kayıp tablosu / Table of head losses

Normal su borularında yükseklik kayıpları / Head losses in ordinary water pipes.

Üst rakamlar suyun hızını belirtiyor (m/san) / Upper figures indicate the velocity of water in m/sec.

Alt rakamlar düz boruların 100 mt. yükseklik kayıplarını belirtmektedir / Lower figures indicate head loss in metres per 100 metres of straight pipes.

Su Miktarı / Quantity of Water			Head Losses in Ordinary Water Pipes											
			Nominal Pipe Diameter in Inches and Internal in (mm)											
m ³ /h	Litres/min.	Litres/sec.	1/2"	3/4"	1"	1 1/2"	1 3/4"	2"	2 1/2"	3"	3 1/2"	4"	5"	6"
0.6	10	0.16	0.855 9.910	0.470 2.407	0.292 0.784									
0.9	15	0.25	1.282 20.11	0.705 4.862	0.438 1.570	0.249 0.416								
1.2	20	0.33	1.710 33.53	0.940	0.584 2.588	0.331 0.667	0.249 0.346							
1.5	25	0.42	2.138 49.93	11.91	0.730 3.834	0.415 1.004	0.312 0.510							
1.8	30	0.50	2.565 69.34	1.409 16.50	0.876 5.277	0.498 1.379	0.374 0.700	0.231 0.223						
2.1	35	0.58	2.993 91.54	1.644 21.75	1.022 6.949	0.581 1.811	0.436 0.914	0.269 0.291						
2.4	40	0.67		1.879 27.66	1.168 8.820	0.664 2.290	0.499 1.160	0.308 0.368						
3.0	50	0.83		2.349 41.40	1.460 13.14	0.830 3.403	0.623 1.719	0.385 0.544	0.229 0.159					
3.6	60	1.00		2.819 57.74	1.751 18.28	0.996 4.718	0.748 2.375	0.462 0.751	0.275 0.218					
4.2	70	1.12		3.288 76.49	2.043 24.18	1.162 6.231	0.873 3.132	0.539 0.988	0.321 0.287	0.231 1.131				
4.8	80	1.33			2.335 30.87	1.328 7.940	0.997 3.988	0.616 1.254	0.367 0.363	0.263 6.164				
5.4	90	1.50			2.627 38.30	1.494 9.828	1.222 4.927	0.693 1.551	0.413 0.449	0.269 0.203				
6.0	100	1.67			2.919 46.49	1.660 11.90	1.247 5.972	0.770 1.875	0.459 0.542	0.329 0.244	0.248 0.124			
7.5	125	2.08			3.649 70.41	2.075 17.93	1.558 8.967	0.962 2.802	0.574 0.809	0.412 0.365	0.310 0.185	0.241 0.101		
9.0	150	2.50				2.490 25.11	1.870 12.53	1.154 3.903	0.668 1.124	0.494 0.506	0.372 0.256	0.289 0.140		
10.5	175	2.92				2.904 33.32	2.182 16.66	1.347 5.179	0.803 1.488	0.576 0.670	0.434 0.338	0.337 0.184		
12	200	3.33				3.319 42.75	2.493 21.36	1.539 6.624	0.918 1.901	0.659 0.855	0.496 0.431	0.385 0.234	0.251 0.084	
15	250	4.17				4.149 64.86	3.117 32.32	1.924 10.03	1.147 2.860	0.823 1.282	0.620 0.646	0.481 0.350	0.314 0.126	
18	300	5.00					3.740 45.52	2.309 14.04	1.377 4.009	0.988 1.792	0.744 0.903	0.577 0.488	0.377 0.175	0.263 0.074
24	400	6.67					4.987 78.17	3.078 24.04	1.836 6.828	1.317 3.053	0.992 1.530	0.770 0.829	0.502 0.294	0.351 0.124
30	500	8.33						3.848 36.71	2.295 10.40	1.647 4.622	1.240 2.315	0.962 1.254	0.628 0.445	0.439 0.187
36	600	10.0						4.618 51.84	2.753 14.62	1.976 6.505	1.488 3.261	1.155 1.757	0.753 0.623	0.526 0.260
42	700	11.7							3.212 19.52	2.306 8.693	1.736 4.356	1.347 2.345	0.879 0.831	0.614 0.347
48	800	13.3							3.671 25.20	2.635 11.18	1.984 5.582	1.540 3.009	1.005 1.066	0.702 0.445
54	900	15.0							4.130 31.51	2.964 13.97	2.232 6.983	1.732 3.762	1.130 1.328	0.790 0.555
60	1000	16.7							4.589 38.43	3.294 17.06	2.480 8.521	1.925 4.595	1.256 1.616	0.877 0.674
75	1250	20.8								4.117 26.10	3.100 13.00	2.406 7.010	1.570 2.458	1.097 1.027
90	1500	25.0								4.941 36.97	3.720 18.42	2.887 9.892	1.883 3.468	1.316 1.444
105	1750	29.2									4.340 24.76	3.368 13.30	2.197 4.665	1.535 1.934
120	2000	33.3									4.960 31.94	3.850 17.16	2.511 5.995	1.754 2.496
150	2500	41.7										4.812 26.26	3.139 9.216	2.193 3.807
180	3000	50.0											3.767 13.05	2.632 5.417
240	4000	66.7											5.023 22.72	3.509 8.926
300	5000	83.3												4.386 14.42
90° Dirsek Sürgülü Valf / 90 Bends. Slide Valves			1.0	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.6	1.7	2.0	2.5
T Parçası Tek Yönlü Vana / T Pieces, non-return Valves			4.0	4.0	4.0	5.0	5.0	5.0	6.0	6.0	6.0	7.0	8.0	9.0

Bu Tablo H. Lang'ın yeni formülüne (a = 0.02) ve 10° su sıcaklığına göre hesaplanmıştır. /

The table is calculated in accordance with Lang's new formula a = 0.02 and for a water temperature of 100 C.

Dirsek (kıvrım) lerde sürgülü valflerde, T parçalarında ve tek yönlü vanalardaki yükseklik kayıpları, düz borularda metreye eşdeğer olarak tablonun son iki satırında belirtilmiştir. Taban valfleri bulmak için T parçasındaki kayıpları 2 ile çarpın. /

The head loss in bends, slide valves, T-pieces and non-return valves is equivalent to the metres of straight pipes stated in the last two lines of the table.

To find the head loss valves multiply the loss in T-pieces by two.

DALGIÇ MOTORLAR

Besleme Kablosu Seçim Cetveli 220V, 50HZ (25 °C, +3V Gerilim Düşümü)

Feeder Cable Selection Table 220V, 50Hz (25 °C, +3V Voltage Loss)

Maksimum Kablo Boyu (Metre) 3*mm²

Maximum Cable Length (Meter) 3*mm²

Motor	Motor Tipi	KW	in (A)	Cos 100%	Ölçüler / Dimensions (mm ²)										
					1.5	2.5	4	6	10	16	25	35	50	70	95
4"	Y	0.37			176	293									
4"	Y	0.55			141	235	377								
4"	Y	0.75	5.80	0.98	110	183	293								
4"	Y	1.1	8.20	0.95	70	117	187	280							
4"	Y	1.5	10.40	0.97	53	89	143	214							
4"	Y	2.2	14.70	0.99	38	63	101	151							

Besleme Kablosu Seçim Cetveli 380V, 50HZ (25 °C, +3V Gerilim Düşümü)

Feeder Cable Selection Table 380V, 50Hz (25 °C, +3V Voltage Loss)

Maksimum Kablo Boyu (Metre) 3*mm²

Maximum Cable Length (Meter) 3*mm²

Motor	Motor Tipi	KW	in (A)	Cos 100%	Ölçüler / Dimensions (mm ²)										
					1.5	2.5	4	6	10	16	25	35	50	70	95
4"	Y	0.37			524										
4"	Y	0.55			422										
4"	Y	0.75	2.20	0.82	328	547									
4"	Y	1.1	3.00	0.83	209	349	558								
4"	Y	1.5	4.00	0.82	160	266	427								
4"	Y	2.2	5.60	0.82	113	188	302	452							
4"	Y	3	7.40	0.83	90	151	241	362							
4"	Y	4	9.60	0.82	67	110	179	269	450						
4"	Y	5.5	12.60	0.86	50	85	135	195	340	540					
4"	Y	7.5	17.00	0.85		64	100	150	255	410					
6"	Y	4	10.0	0.78	67	110	179	269	450						
6"	Y	5.5	12.7	0.88	50	85	135	195	340	540					
6"	Y	7.5	16.5	0.87		64	100	150	255	410					
6"	Y	9.2	20.0	0.86		50	81	122	205	325	495				
6"	Y	11	23.5	0.90			70	105	177	280	430				
6"	Y	13	27.0	0.90				90	153	240	375	515			
6"	Y	15	31.0	0.90				78	131	210	320	445			
6"	Y.Δ	11	23.5	0.90	39	66	105	156	270	421					
6"	Y.Δ	13	27.0	0.90		57	90	135	230	360					
6"	Y.Δ	15	31.0	0.90		48	77	116	200	310	475				
6"	Y.Δ	18.5	39.5	0.87			63	93	161	251	383	530			
6"	Y.Δ	22	48.5	0.82			51	76	129	203	309	428			
6"	Y.Δ	26	55.0	0.87			45	68	117	183	279	384			
6"	Y.Δ	30	64.0	0.82				60	104	162	248	343	476		
6"	Y.Δ	37	76.0	0.86				50	86	132	204	281	392		
8"	Y.Δ	22	48.0	0.89			51	76	129	203	309	428			
8"	Y.Δ	26	55.0	0.87			45	68	117	183	279	384			
8"	Y.Δ	30	63.0	0.86				60	104	162	248	343	476		
8"	Y.Δ	37	76.0	0.86				50	86	132	204	281	392		
8"	Y.Δ	45	90.0	0.86					73	112	173	239	332	454	
8"	Y.Δ	52	101	0.88						99	152	210	292	398	505
8"	Y.Δ	55	113	0.89						87	133	185	257	350	445
8"	Y.Δ	67	133	0.86							120	167	233	317	403
8"	Y.Δ	75	150	0.87							108	149	209	284	359
8"	Y.Δ	92	186	0.89								121	169	230	293
8"	Y.Δ	110	218	0.89									140	190	242
10"	Y.Δ	75	148	0.89							108	149	209	284	359
10"	Y.Δ	92	182	0.88								121	169	230	293
10"	Y.Δ	110	218	0.88									140	190	242

GENEL BİLGİLER / GENERAL

Akma Gömleği

Yatay ve dikey operasyonlarda kullanıma uygun komple paslanmaz malzemeden yapılmış akma gömleği sunulmaktadır. Motor soğutmasının yetersiz kalacağına öngörüldüğü her yerde kullanımı tavsiye edilmektedir. Kullanımı sonucunda motorun ömründe uzama görülecektir.

Akma gömlekleri şu gibi durumlarda kullanılmalıdır:

- Eğer dalgiç pompanın yüksek termal altında (dengesiz akım), susuz çalışma olasılığı (her 10 derecede paslanma olma olasılığı iki kat artacaktır) var ise kullanılmalıdır.
- Eğer agresif sıvılar pompalanacak ise kullanılmalıdır.

Not: Teknik bilgi ve aksesuarlar ile ilgili daha fazla bilgi için teknik birimlerimize danışın.

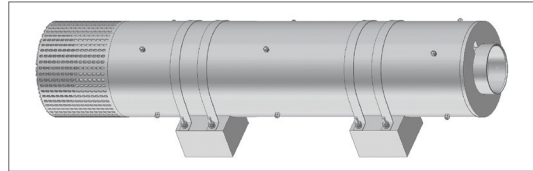
Flow Sleeves

Offers a complete range of stainless steel flow sleeves for both vertical and horizontal operation. Flow sleeves are recommended for all applications in which motor cooling is insufficient. The result is a general extension of motor life.

Flow sleeves should be used;

- If the submersible pump is exposed to high thermal load like unbalanced current, dry running, overload, high ambient temperature, bad cooling conditions.
- If sedimentation or deposits occur around and/or on the motor.

Note: More information about accessories is available on request.



Çinko Anodlar

Uygulamaları

Çinko anodlar aşınmayı önleyici etkiye sahiptir. Bu sebepten klorür içeren deniz suyu veya acı sularda kullanılabilir. Anodlar, pompa ve motorların dışına aşınmayı önleme amacıyla yerleştirilir. Yerleştirilecek anod sayısı pompa ve motorların tipine göre değişim göstermektedir.

Su Sıcaklığı

Deniz suyu: 30°C'ye kadar
 Acı sularda (min. 1500g/m³ klorür): 35°C'ye kadar

Anod ömrü

Çinko anodların ömrü çalışma koşullarına göre (sıcaklık, akış, içeriği klorür miktarı) 1 ila 4 yıldır.

Zinc Anodes

Application

Zinc anodes are placed on the outside of the pump and motor as protection against corrosion. The number of anodes required depends on the pump and motor types.

Liquid temperatures

Sea water: Up to 30°C.
 Brackish water (min. 1500g/m³ chloride): Up to 35°C.

Anode Life

The zinc anodes have a life of one to four years, depending on operating conditions (temperature, flow and chloride content).

DALGIÇ MOTORLAR

Arıza Tespiti ve Yapılması gerekenler /

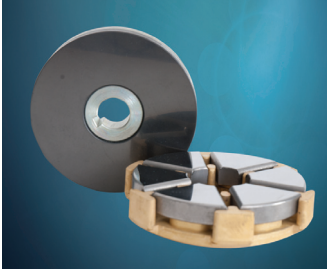
Detection of Malfunctioning and What To Do

Arıza	Sebebi	Çözümü
Pompa start almıyor.	1) Elektrik yok. 2) Sigorta atık. 3) Su seviyesi düşük. 4) Mekanik arıza var.	1) Elektrik temin ediniz. 2) Sigortayı değiştiriniz. 3) Su seviyesini pompanın çalışma seviyesinde olmasını kontrol ediniz. 4) Yetkili servise haber veriniz.
Termik role atıyor.	1) Termik ayarı hatalı. 2) Faz eksik veya dengesiz. 3) Motor aşırı akım çekiyor. 4) Mekanik arıza var.	3) Motopompta mekanik bir arıza vardır. pompayı durdurunuz. 4) Yetkili servise haber veriniz.
Motor akımı sabit değil sürekli oynama var.	1) Su seviyesi kritik seviyeye düşmüştür.	1) Motopompu uygun derinliğe indiriniz ve ayar vanasını kısarak debiyi azaltınız.
Su debisi azalıyor.	1) Ayar vanası kısık. 2) Emme süzgeci veya pompa kısmen tıkanmıştır. 3) Pompada aşınma var. 4) Basınç ve motor akımı birlikte düşmüş ve oynak değilse, dinamik su seviyesi düşmüştür.	1) Pompa basıncını manometreden okuyun. Basınç değeri normal çalışma değerinden büyükse vanayı istenilen debi ve basınca ayarlayın. Okunan basınç değeri normal çalışma değerinden küçükse pompanın bakıma ihtiyacı vardır. 2) Pompa gücüne uygun su basmaktadır. Azalmış su debisi yeterli ise çalışmaya devam ediniz. 3) Yetersizse yeni pompa alınız. 4) Yetkili servise haber veriniz.

Break Down	Reason	Solution
The pump does not start.	1) No electricity. 2) Fuse blown. 3) Water level is low. 4) Mechanical break down.	1) Supply electricity. 2) Change the fuse. 3) Control that the water level is at the working level of the pump. 4) Inform the authorized service.
Thermic relay discards.	1) Thermic adjustment is wrong. 2) Phase lack of unbalanced. 3) The motor is pulling exceeding current. 4) Mechanical break down.	3) There is a mechanical malfunction in the motor pump. Stop the pump. 4) Inform the authorized service.
The motor current is not stable, constantly fluctuating.	1) The water level has dropped to the critical level.	1) Lower the motor pump at the appropriate depth and lower the water flow rate by reducing the valve.
The water flowrate if decreases	1) Adjustment valve is closed. 2) The suction filter of the pump is choked partially. 3) There is abrasion in the pump. 4) If the pressure and if it is not fluctuating, the dynamic water level has dropped.	1) Read the pump pressure from the manometer. If the pressure level is greater than the normal operation value, adjust the to the requested water flow rate and pressure value which is read, is lower than the normal operation value, The pump needs maintenance. 2) The pump gives water suiting its power. If the reduced water flow rate is enough continue to operate. 3) If it is not enough buy a new pump. 4) Inform the authorized service.



DALGIÇ MOTORLAR

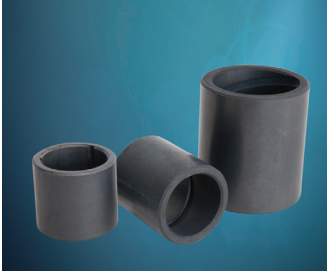


Ağır işletme şartlarına uygun, yüksek kapasiteli eksenel yatak seti

Her iki yöne dönebilme kabiliyeti sağlar, yüksek yük taşıma kapasitesine sahiptir.

Heavy duty bearings with high thrust capacity.

Heavy duty bearings provide the option to revolve both sides, have the capacity to carry high thrust loads.



Su ile yağlamalı radyal yataklar

Yapısında bulunan kanallar vasıtasıyla su ile rahatça yağlanan karbon yataklar, rotor milini alt ve üste hassas olarak yataklar.

Water lubricated radial carbon bearings

Radial carbon bearings, which have channels in its structure that makes it possible to get lubricated by water easily, provides precise bearing of rotor shaft up and down.

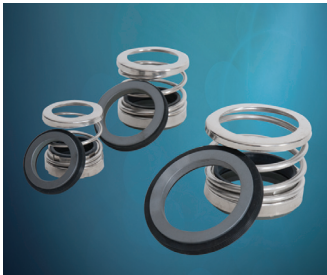


Krom kaplamalı mil burcu

Radyal yatakların çalıştığı bölgede bulunan ve krom ile kaplanmış ve hassas olarak taşlanmış mil burçları rotorun yataklanmasında büyük önem taşır.

Chrome-plated bearing collect

Chrome-plated and precisely machined bearing collets which are located in the radial bearing operating area, have a great importance for bearing the rotor.

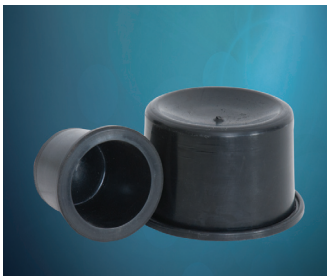


Mekanik salmastra sistemi ile kuma karşı yüksek direnç (IP68 koruma sınıfı)

Su motorlarında standart olarak mekanik salmastra, motor içerisinde kum ve diğer partiküllerin girişini engeller. Yatakların uzun ömürlü olmasını sağlar.

Mechanical seal system for high sand resistance and degree of protection: IP68

Mechanical seal is used as standard, to prevent entrance of sand and other particles to motor.



Mebran

Mebran, motor içindeki soğutma suyunun ısınmasından doğan genişleme basıncını minimize eder.

Membrane

Membrane minimizes the expansion pressure that is caused by heating of cooling water's inside the motor. changed easily without any damage.



Kum sığratma lastiği

Kum sığratma lastiği, kuyu içinde bulunan kumun mekanik salmastraya, oradan da motor içine girmesine engellemeye yardımcı olur.

Slinger (sand guard)

Slinger helps to prevent the sand inside the water of entering in mechanical seal and through mechanical seal and through mechanical seal to inside of the motor.

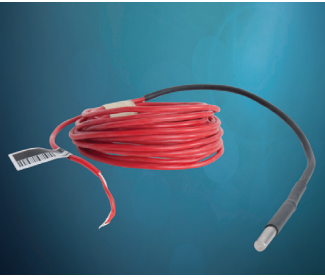


Basınç dengeleyici çekvalf

Yüksek kaliteli Üstünel çek valfi, motordaki basıncı değişimlerini mükemmel kontrol eder. Basınç arttırdığınızda dışarıya suatarak, basınç düştüğünde ise kuyu suyunu filtre edip içeri atarak iç basıncı dengeler bu sayede mebranın basınçtan kaynaklı patlamasını engeller.

Pressure balancing checkvalve

Pressure balancing checkvalve controls the pressure changes inside the motor. When the pressure increases, it throw water out of the motor. When the pressure drops, it filtrates the water inside well an gets it inside the motor by the help of this checkvalve to balance the pressure inside. That's why pressure differences inside motor never causes mebrane under motor blow up.



Pt100 sıcaklık sensörü ile aşırı ısınmaya karşı koruma

Üst yatakta standart olarak bulunan yuvaya Pt100 termal sensörleri rahatlıkla bağlanarak motor sıcaklık değerleri kontrol altında tutulabilir.

Pt100 overheating protection

By connecting the Pt100 thermal sensors to the slot that is standardly placed on upper bearing body, motor temperature values can be easily measured.

PT100

Pt100 sensör kullanmanın şu gibi avantajları vardır:

- Motorun ısısının devamlı olarak kontrolü
- Motorun çok yüksek ısılarına çıkmasını önleme

Pt100 kullanmak motorun ömrünü uzatmak adına kullanılabilen en pratik ve ucuz yöntemdir. Pt100 motorun limitlerinin ötesine geçmesini engeller ve motorun bakım süresinin geldiğinin sinyallerini verir.

PT100

The Pt100 sensor allows:

- Continuous monitoring of the motor temperature
- Protection against too high motor temperature

Protecting the motor against too high motor temperature is the simplest and cheapest way of avoding that motor life time is reduced. Pt100 ensures that operating conditions are not exceeded and indicates when it is time for service of the motor.

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