

Etabloc SY



Etaline SY



Kızgın Yağ / Sıcak Su Pompaları

Inline ve direk akuple dizayn

Uygulama Alanı

Etabloc SY, Etaline SY pompaları ısı transfer sistemlerinde (DIN 4754) veya sıcak su sirkülasyon sistemlerinde kullanılır.

İşletme bilgileri

	50 Hz		60 Hz	
	Kızgın Yağ	Sıcak Su	Kızgın Yağ	Sıcak Su
Q	280 m ³ 'ye kadar ³ /h, 78l/s		325 m ³ 'ye kadar ³ /h, 90l/s	
H	67 m'ye kadar		97 m'ye kadar	
t	-30 °C ile +350 °C arası	+180 °C'e kadar	-30 °C ile +350 °C arası	+180 °C'e kadar
p ₂ ¹⁾	16 bar'a kadar		16 bar'a kadar	

1) bakınız basınç/sıcaklık limitleri, sayfa 5

Dizayn

Tek-kademeli, standart motorlu salyangoz gövdelidir. Pompa ve motor mili birbirine rijit bağlanmıştır.

Etabloc SY: direk akuple tip pompa

Etaline SY: direk akuple pompa ve in-line dizayn

Rulmanlar

Ürün ile yağlanan yataklar

Mekanik Salmastra

EN 12 756'ye uygun mekanik salmastra.

Malzemeler

Salyangoz gövde	Sfero dökme demir JS1025 ²⁾
Basma kapağı	Sfero dökme demir JS1025 ²⁾
Mil	Krom çeliği 1.4021.05 HRC 55
Çark	Dökme demir JL1040 ³⁾
Gövde aşınma halkaları	Dökme demir GG
Motor konsolu	Dökme Demir JL1040 ³⁾
Rulman yatağı	Sfero dökme demir JS1025 ²⁾

2) EN 1563'e uygun: GJS-400-18-LT

3) EN 1561: GJL'e uygun-250

Motor

Yüzey-soğutmalı KSB IEC üç-faz sincap kafes motor

Sargılar: 50 Hz	2,2 kW'a kadar 220-240 V/380-420 V
	3 kW için 380-420 V/660-725 V
60 Hz	2,6 kW'a kadar 440-480 V
	3,6 kW için 440-480 V

Dizayn: IM V1

Koruma sınıfı: IP 55

İzolasyon sınıfı: F sıcaklık sensörleri ile:
3 PTC termistörler

Çalışma modu: sürekli S1

veya

Yukarıda tarif edildiği gibi yüzey-soğutmalı üç-faz motorlar, KSB'nin seçimi West European markasıdır.

Kaplin koruma

EN 294'e uygun motor konsolundan kaplin koruma.

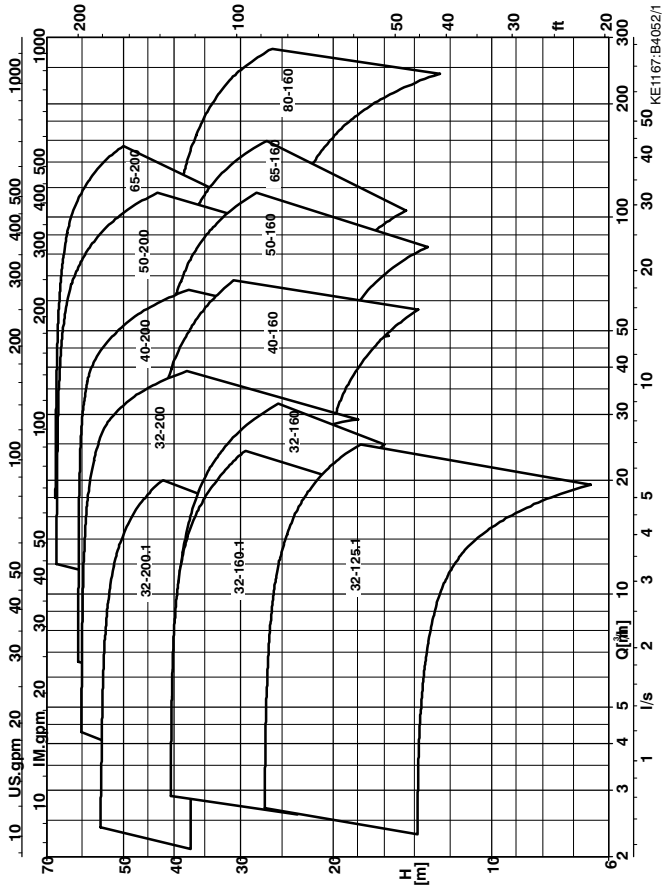
Tanımlama

Tip serileri, ör.	Etabloc 80 - 160 / 150 2 S Y
Pompa boyutu, ör.	80 - 160 / 150
Nominal çark çapı mm	150
Motor gücü: kW x 10 (ör 15 kW)	2
Motor kutup sayısı	S
Gövde malzemesi Sfero dökme demir JS1025 ²⁾	Y
Kızgın yağ/Sıcak su değişkeni	

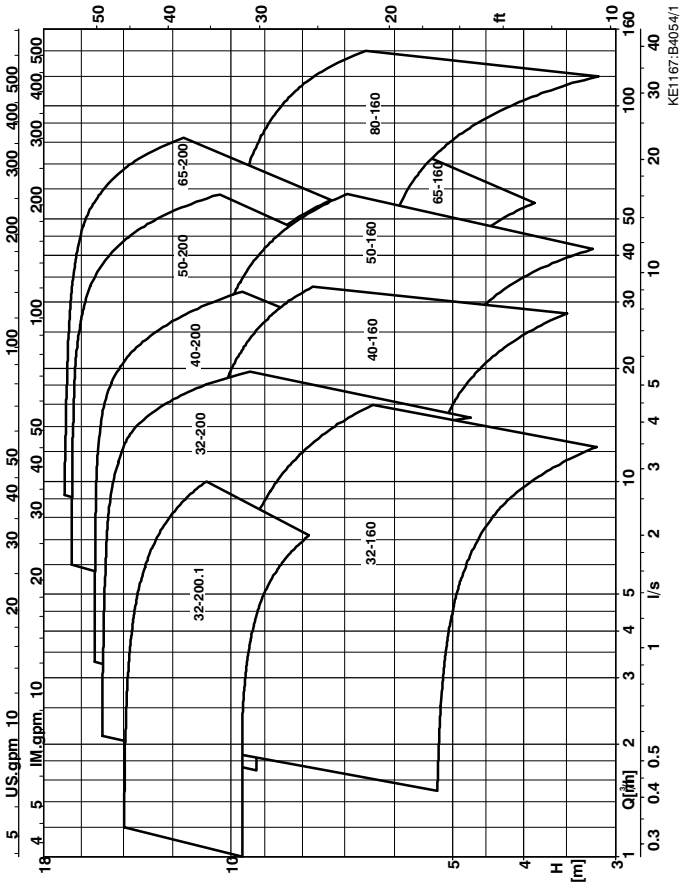
Performans Eğrileri

Etabloc SY

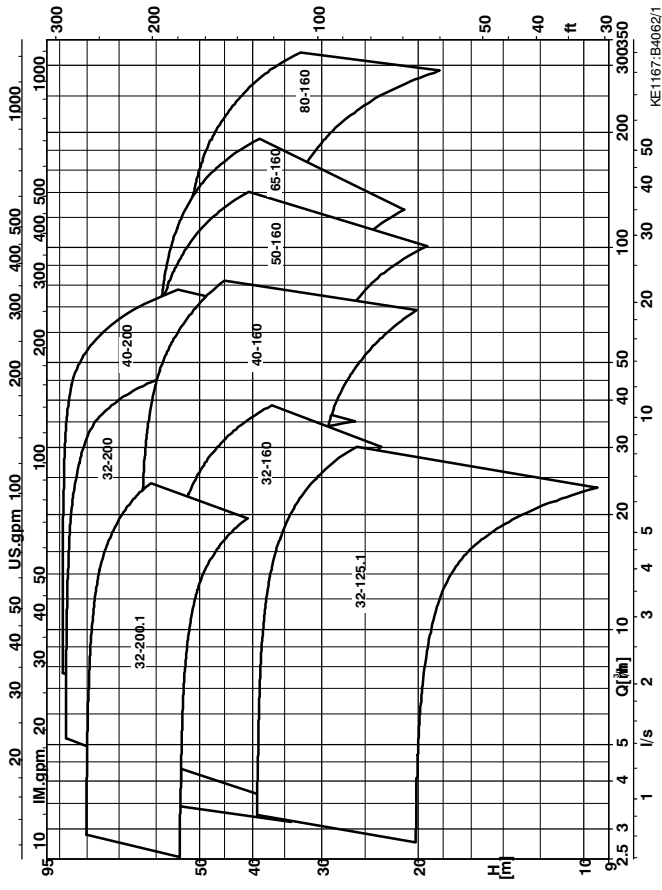
$n \approx 2900$ 1/dak



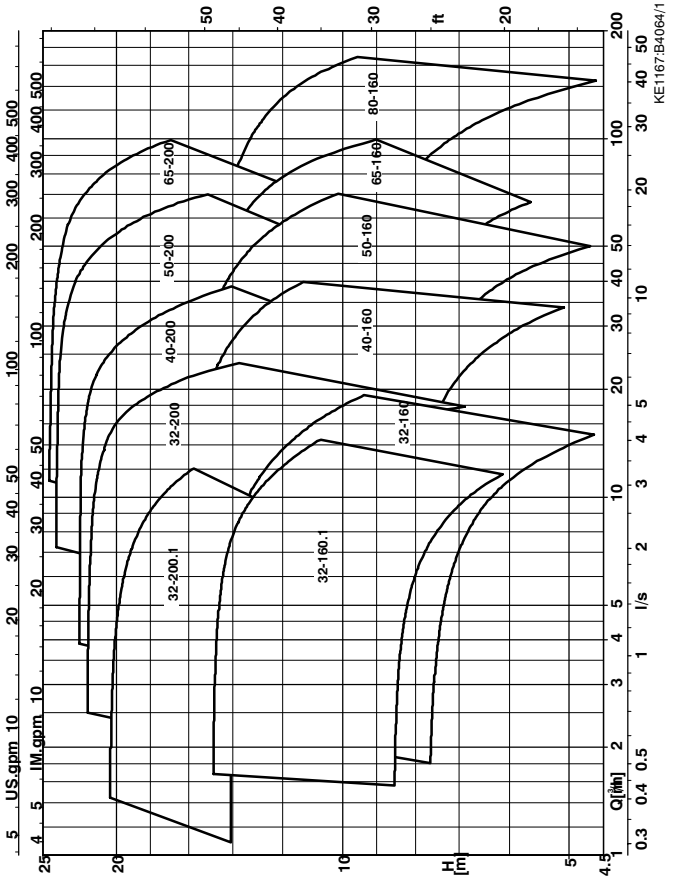
$n \approx 1450$ 1/dak



$n \approx 3500$ 1/dak



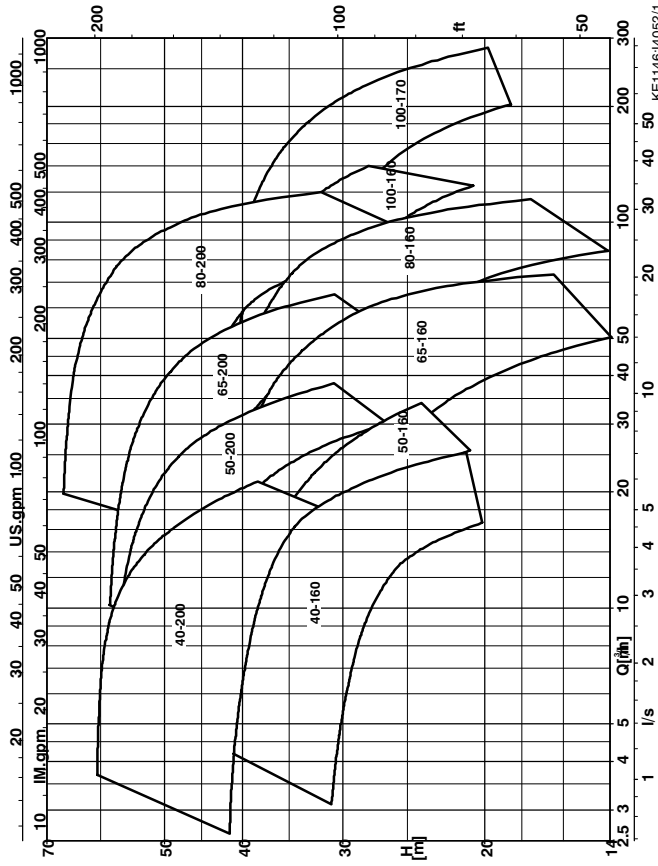
$n \approx 1750$ 1/dak



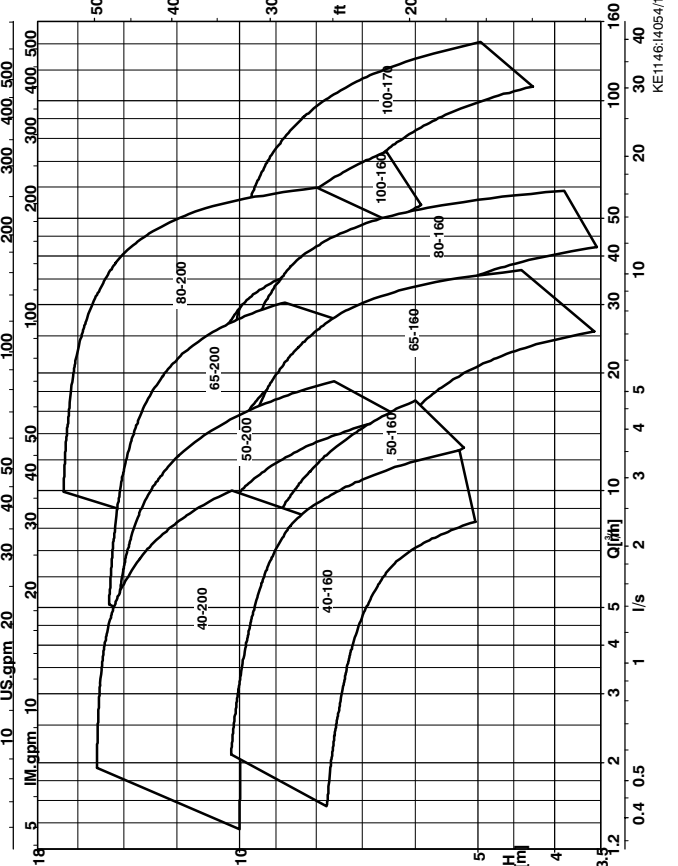
Performans Eğrileri

Etaline SY

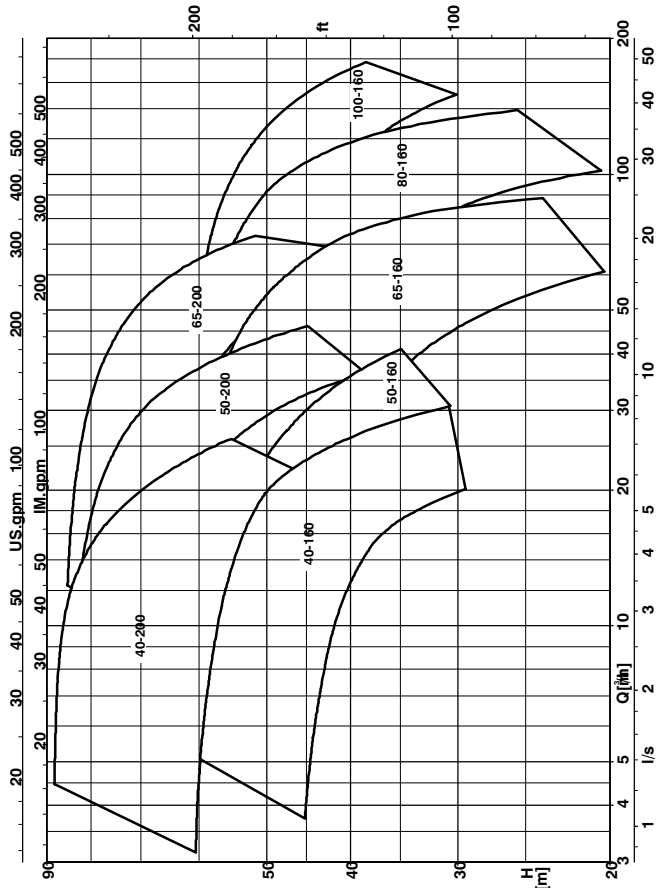
n ≈ 2900 1/dak



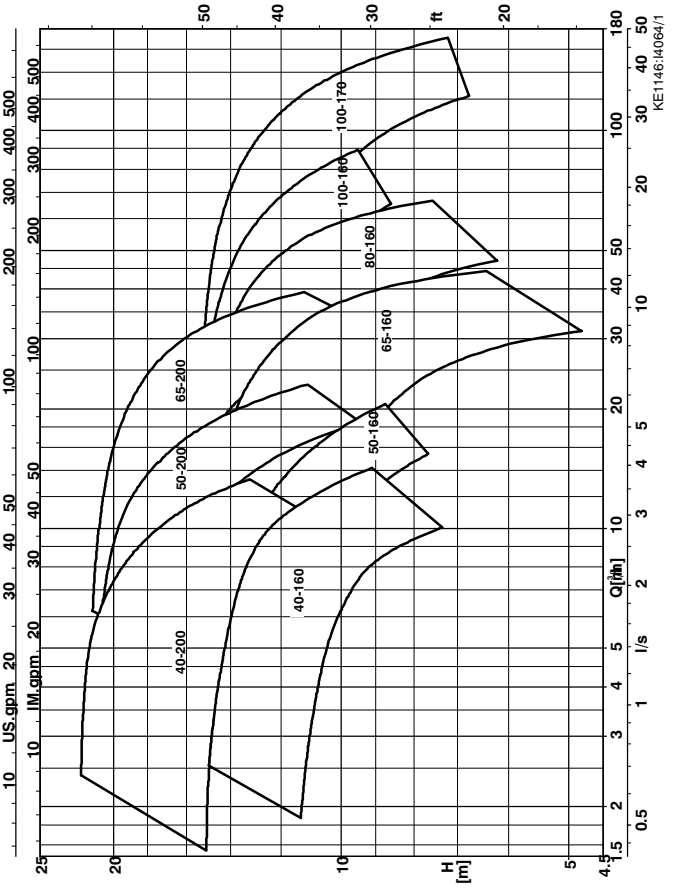
n ≈ 1450 1/dak



n ≈ 3500 1/dak



n ≈ 1750 1/dak



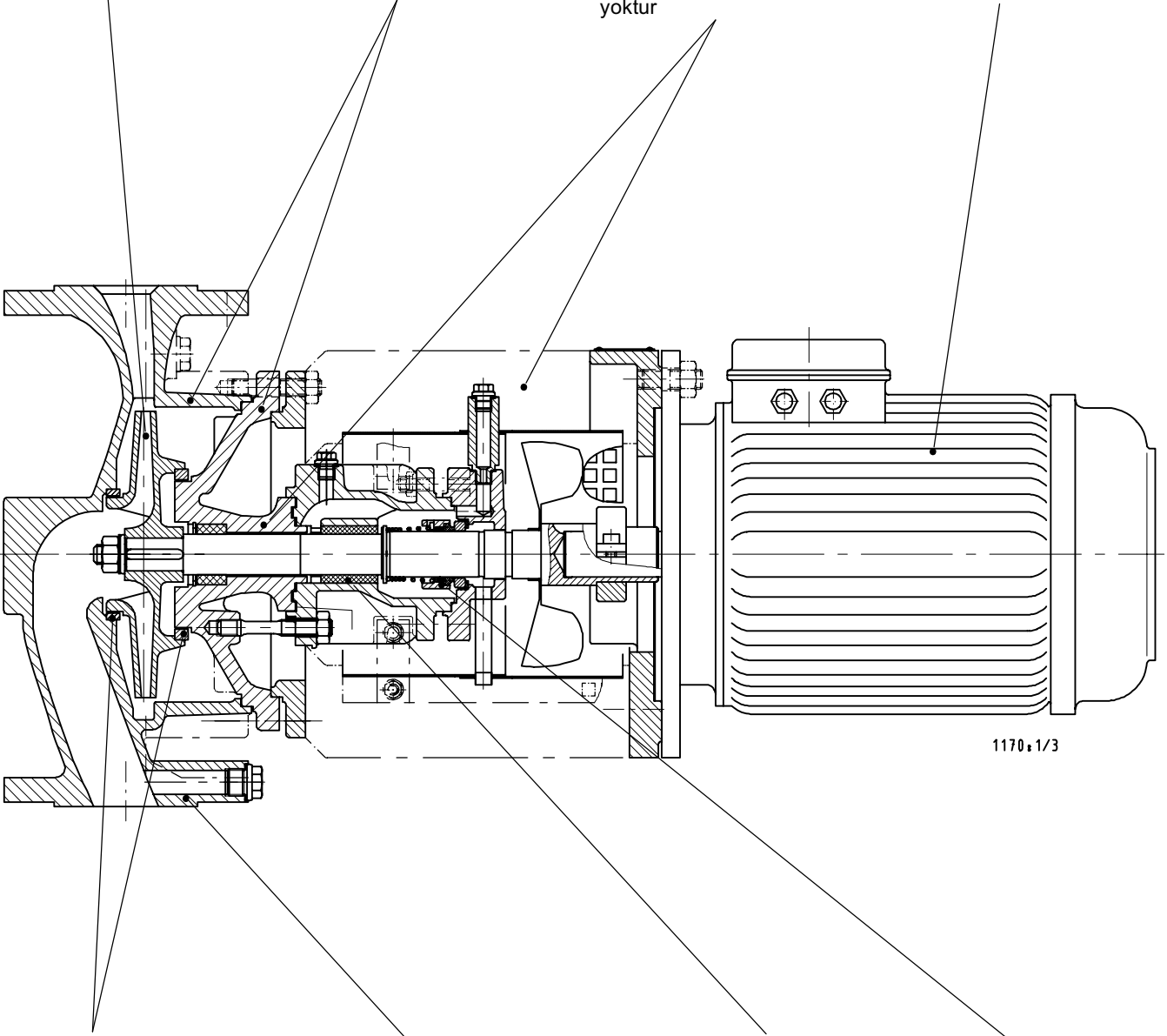
Etaline SY

Çark optimize edilmiş
hidrolik ile mükemmel
verimlilik

Basınç limiti
Sfero dökme demir malzemeden
16 bar için dizayn edilmiştir.

Uzun alt-soğutma boşlukları,
büyük soğutma kanatçıkları ve
ekstra fan ile su soğutmasına
yoktur

Servis-kolaylığı,
dayanıklı KSB IEC
üç-faz motor



Gövde aşınma halkaları
servis-kolaylığı, gövde/
çark üzerinde aşınma
görülmez

Inline dizayn kolay yerleştirme ve
borulama, bu sayede flanşlara
gelen harici yük ve momentlere
karşı dayanıklıdır.

Ürün yağlamalı,
yapışmayan **karbon**
yatak, yüksek işletme
güvenliği

Güvenilir
standart mekanik
salmastra

Basılabilen sıvılar	Uygulama limitleri ¹⁾	Malzemeler Gövde/Çark	Mekanik salmastra Mekanik salmastra	Referans kodu	Notlar
		Sfero dökme demir/ Dökme demir	AQ ₁ VGG		
		S	8		
Sıcak su ²⁾	t ≤ +180 °C p ≤ 16 bar	x	x	SY 8	
Mineral esaslı Termal yağ	t ≤ -30 den +350 °C'e kadar p ≤ 16 bar	x	x	SY 8	
Termal yağ ³⁾ sen- tetik esaslı	t ≤ -30 den +350 °C'e kadar p ≤ 16 bar	x	x	SY 8	

1) Giriş basıncı atmosfer basıncından düşük olamaz

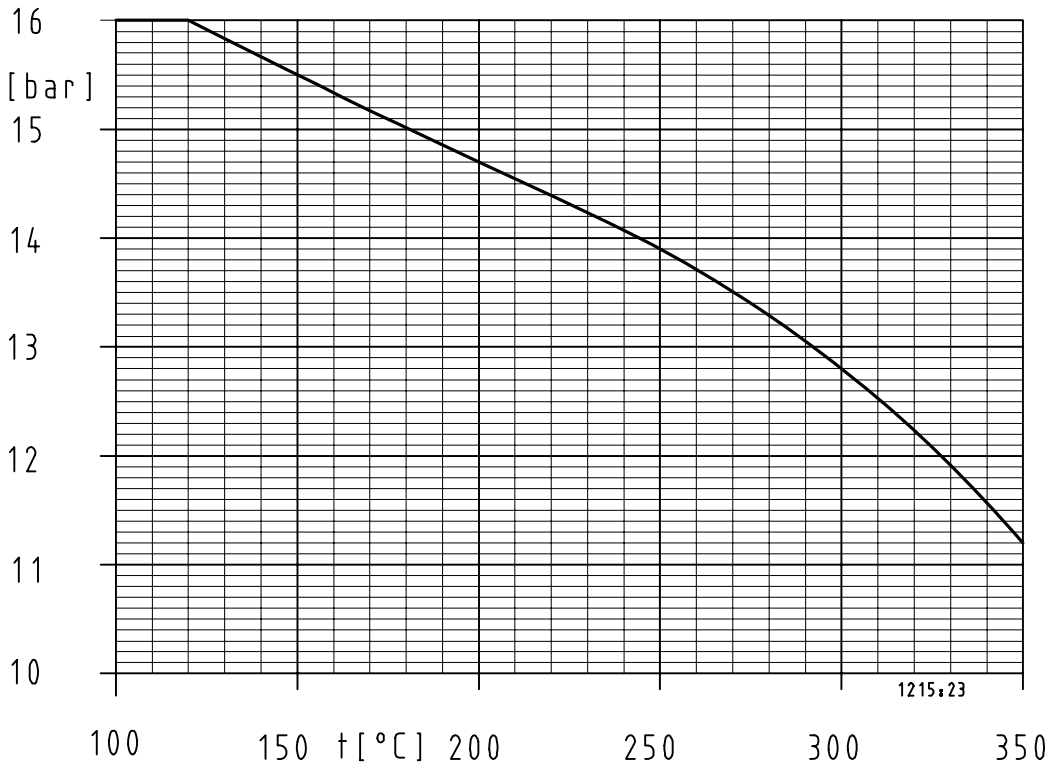
2) Düşük-tuz veya tam demineralize su VdTÜV-şartname /AGFW-s TCN 1466 (VdTÜV) şartnamesi 5/15 (AGFW) 02.89 baskısı

3) Pompalar difenil grubundaki sentetik esaslı ısı transfer sıvıları için uygun değildir.

Basınç ve Sıcaklık Limitleri

Etabloc SY Etaline SY	Ürün sıcaklığı	Giriş Basıncı p ₁ ≥ 1 bar	Çıkış basıncı p ₂ ⁴⁾
Termal yağ	-30 den +350 °C'e kadar	10 bar'a kadar	16 bar'a kadar
Sıcak su	+180 °C'e kadar	12 bar'a kadar	16 bar'a kadar

4) Giriş basıncı ile kapalı vana basıncı toplamı 16 bar veya tabloda verilen değerlerin üzerinde olmamalıdır.



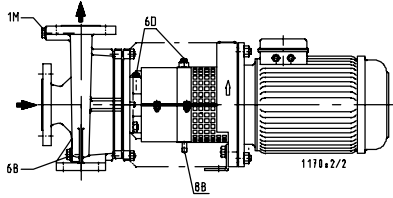
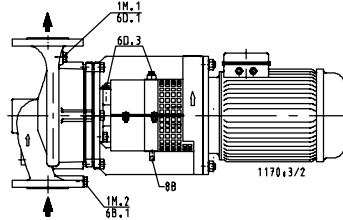
EN 1092'e uygun flanşlar için Basınç/sıcaklık diagramı-2

Etaline SY	Ⓜ	50 Hz; 60 Hz		
		50 Hz kW	60 Hz kW	400 V ≈ A
2-kutup				
40-160/152	90 S	1,50	---	3,35
40-160/222	90 L	2,20	---	4,60
40-160/302	100 L	3,00	---	6,30
40-160/402	112 M	4,00	4,6	8,30
40-160/552	132 S	---	6,3	11,00
40-160/752	132 S	---	8,6	14,60
40-200/302	100 L	3,00	---	6,30
40-200/402	112 M	4,00	---	8,30
40-200/552	132 S	5,50	6,3	11,00
40-200/752	132 S	7,50	8,6	14,60
40-200/1102	160 M	---	12,6	20,70
50-160/302	100 L	3,00	---	6,30
50-160/402	112 M	4,00	---	8,30
50-160/552	132 S	5,50	6,3	11,00
50-160/752	132 S	---	8,6	14,60
50-160/1102	160 M	---	12,6	20,70
50-200/402	112 M	4,00	---	8,30
50-200/552	132 S	5,50	---	11,00
50-200/752	132 S	7,50	8,6	14,60
50-200/1102	160 M	11,00	12,6	20,70
50-200/1502	160 M	---	17,3	28,00
65-160/402	112 M	4,00	---	8,30
65-160/552	132 S	5,50	---	11,00
65-160/752	132 S	7,50	8,6	14,60
65-160/1102	160 M	11,00	12,6	20,70
65-160/1502	160 M	---	17,3	28,00
65-200/552	132 S	5,50	---	11,00
65-200/752	132 S	7,50	---	14,60
65-200/1102	160 M	11,00	12,6	20,70
65-200/1502	160 M	15,00	17,3	28,00
65-200/1852	160 L	---	21,3	33,00
65-200/2202	180 M	---	24,5	40,00
80-160/552	132 S	5,50	---	11,00
80-160/752	132 S	7,50	---	14,60
80-160/1102	160 M	11,00	12,6	20,70
80-160/1502	160 M	15,00	17,3	28,00
80-160/1852	160 L	---	21,3	33,00
80-160/2202	180 M	---	24,5	40,00
80-200/1102	160 M	11,00	---	20,70
80-200/1502	160 M	15,00	---	28,00
80-200/1852	160 L	18,50	---	33,00
80-200/2202	180 M	22,00	---	40,00
100-160/752	132 S	7,50	---	14,60
100-160/1102	160 M	11,00	---	20,70
100-160/1502	160 M	15,00	17,3	28,00
100-160/1852	160 L	---	21,3	33,00
100-160/2202	180 M	---	24,5	40,00
100-170/1502	160 M	15,00	---	28,00
100-170/1852	160 L	18,50	---	33,00
100-170/2202	180 M	22,00	---	40,00

Etaline SY	Ⓜ	50 Hz; 60 Hz		
		50 Hz kW	60 Hz kW	400 V ≈ A
4-kutup				
40-160/054	80 a	0,55	0,63	1,60
40-160/074	80 b	---	0,88	2,00
40-160/114	90 S	---	1,30	2,80
40-200/054	80 a	0,55	0,63	1,60
40-200/074	80 b	---	0,88	2,00
40-200/114	90 S	---	1,30	2,80
40-200/154	90 L	---	1,75	3,60
50-160/054	80 a	0,55	0,63	1,60
50-160/074	80 b	0,75	0,88	2,00
50-160/114	90 S	---	1,30	2,80
50-200/054	80 a	0,55	---	1,60
50-200/074	80 b	0,75	---	2,00
50-200/114	90 S	1,10	1,30	2,80
50-200/154	90 L	---	1,75	3,60
50-200/224	100 L	---	2,55	5,10
65-160/054	80 a	0,55	---	1,60
65-160/074	80 b	0,75	---	2,00
65-160/114	90 S	1,10	1,30	2,80
65-160/154	90 L	---	1,75	3,60
65-160/224	100 L	---	2,55	5,10
65-200/074	80 b	0,75	---	2,00
65-200/114	90 S	1,10	---	2,80
65-200/154	90 L	1,50	1,75	3,60
65-200/224	100 L	---	2,55	5,10
65-200/304	100 L	---	3,45	6,70
80-160/054	80 a	0,55	---	1,60
80-160/074	80 b	0,75	---	2,00
80-160/114	90 S	1,10	---	2,80
80-160/154	90 L	1,50	1,75	3,60
80-160/224	100 L	---	2,55	5,10
80-160/304	100 L	---	3,45	6,70
80-200/154	90 L	1,50	---	3,60
80-200/224	100 L	2,20	2,55	5,10
80-200/304	100 L	3,00	3,45	6,70
80-200/404	112 M	---	4,60	8,80
80-200/554	132 S	---	6,30	11,50
100-160/114	90 S	1,10	---	2,80
100-160/154	90 L	1,50	---	3,60
100-160/224	100 L	2,20	2,55	5,10
100-160/304	100 L	---	3,45	6,70
100-160/404	112 M	---	4,60	8,80
100-170/224	100 L	2,20	---	5,10
100-170/304	100 L	3,00	3,45	6,70
100-170/404	112 M	---	4,60	8,80
100-170/554	132 S	---	6,30	11,50

Etabloc SY	Ⓜ	50 Hz; 60 Hz		
		50 Hz kW	60 Hz kW	400 V ≈ A
2-kutup				
32-125.1/072	80 a	0,75	---	1,80
32-125.1/112	80 b	1,10	1,30	2,60
32-125.1/152	90 S	1,50	1,75	3,35
32-125.1/222	90 L	2,20	2,55	4,60
32-125.1/302	100 L	---	3,45	6,30
32-125.1/402	112 M	---	4,60	8,30
32-160.1/152	90 S	1,50	---	3,35
32-160.1/222	90 L	2,20	---	4,60
32-160.1/302	100 L	3,00	3,45	6,30
32-160.1/402	112 M	4,00	4,60	8,30
32-160.1/552	132 S	---	6,30	11,00
32-160.1/752	132 S	---	8,60	14,60
32-200.1/302	100 L	3,00	---	6,30
32-200.1/402	112 M	4,00	4,60	8,30
32-200.1/552	132 S	5,50	6,30	11,00
32-200.1/752	132 S	---	8,60	14,60
32-200.1/1102	160 M	---	12,60	20,70
32-160/152	90 S	1,50	---	3,35
32-160/222	90 L	2,20	---	4,60
32-160/302	100 L	3,00	3,45	6,30
32-160/402	112 M	4,00	4,60	8,30
32-160/552	132 S	---	6,30	11,00
32-160/752	132 S	---	8,60	14,60
32-200/402	112 M	4,00	---	8,30
32-200/552	132 S	5,50	6,30	11,00
32-200/752	132 S	7,50	8,60	14,60
32-200/1102	160 M	11,00	12,60	20,70
32-200/1502	160 M	---	17,30	28,00
40-160/302	100 L	3,00	---	6,30
40-160/402	112 M	4,00	---	8,30
40-160/552	132 S	5,50	6,30	11,00
40-160/752	132 S	7,50	8,60	14,60
40-160/1102	160 M	11,00	12,60	20,70
40-160/1502	160 M	---	17,30	28,00
40-200/552	132 S	5,50	---	11,00
40-200/752	132 S	7,50	8,60	14,60
40-200/1102	160 M	11,00	12,60	20,70
40-200/1502	160 M	15,00	17,30	28,00
40-200/1852	160 L	---	21,30	33,00
40-200/2202	180 M	---	24,50	40,00
50-160/302	100 L	3,00	---	6,30
50-160/402	112 M	4,00	---	8,30
50-160/552	132 S	5,50	6,30	11,00
50-160/752	132 S	7,50	8,60	14,60
50-160/1102	160 M	11,00	12,60	20,70
50-160/1502	160 M	15,00	17,30	28,00
50-160/1852	160 L	---	21,30	33,00
50-160/2202	180 M	---	24,50	40,00
50-200/752	132 S	7,50	---	14,60
50-200/1102	160 M	11,00	---	20,70
50-200/1502	160 M	15,00	---	28,00
50-200/1852	160 L	18,50	---	33,00
50-200/2202	180 M	22,00	---	40,00
65-160/552	132 S	5,50	---	11,00
65-160/752	132 S	7,50	8,60	14,60
65-160/1102	160 M	11,00	12,60	20,70
65-160/1502	160 M	15,00	17,30	28,00
65-160/1852	160 L	---	21,30	33,00
65-160/2202	180 M	---	24,50	40,00
65-200/1102	160 M	11,00	---	20,70
65-200/1502	160 M	15,00	---	28,00
65-200/1852	160 L	18,50	---	33,00
65-200/2202	180 M	22,00	---	40,00
80-160/1102	160 M	11,00	---	20,70
80-160/1502	160 M	15,00	---	28,00
80-160/1852	160 L	18,50	21,30	33,00
80-160/2202	180 M	22,00	24,50	40,00

Etabloc SY	Ⓜ	50 Hz; 60 Hz		
		50 Hz kW	60 Hz kW	400 V ≈ A
4-kutup				
32-160.1/054	80 a	0,55	0,63	1,60
32-160.1/074	80 b	---	0,88	2,00
32-200.1/054	80 a	0,55	0,63	1,60
32-200.1/074	80 b	0,75	0,88	2,00
32-200.1/114	90 S	---	1,30	2,80
32-160/054	80 a	0,55	0,63	1,60
32-160/074	80 b	---	0,88	2,00
32-160/114	90 S	---	1,30	2,80
32-200/054	80 a	0,55	---	1,60
32-200/074	80 b	0,75	0,88	2,00
32-200/114	90 S	1,10	1,30	2,80
32-200/154	90 L	---	1,75	3,60
32-200/224	100 L	---	2,55	5,10
40-160/054	80 a	0,55	---	1,60
40-160/074	80 b	0,75	0,88	2,00
40-160/114	90 S	1,10	1,30	2,80
40-160/154	90 L	---	1,75	3,60
40-160/224	100 L	---	2,55	5,10
40-200/054	80 a	0,55	---	1,60
40-200/074	80 b	0,75	---	2,00
40-200/114	90 S	1,10	1,30	2,80
40-200/154	90 L	1,50	1,75	3,60
40-200/224	100 L	---	2,55	5,10
40-200/304	100 L	---	3,45	6,70
50-160/054	80 a	0,55	---	1,60
50-160/074	80 b	0,75	---	2,00
50-160/114	90 S	1,10	1,30	2,80
50-160/154	90 L	1,50	1,75	3,60
50-160/224	100 L	---	2,55	5,10
50-160/304	100 L	---	3,45	6,70
50-200/114	90 S	1,10	---	2,80
50-200/154	90 L	1,50	---	3,60
50-200/224	100 L	2,20	2,55	5,10
50-200/304	100 L	3,00	3,45	6,70
50-200/404	112 M	---	4,60	8,80
50-200/554	132 S	---	6,30	11,50
65-160/054	80 a	0,55	---	1,60
65-160/074	80 b	0,75	---	2,00
65-160/114	90 S	1,10	---	2,80
65-160/154	90 L	1,50	1,75	3,60
65-160/224	100 L	2,20	2,55	5,10
65-160/304	100 L	---	3,45	6,70
65-160/404	112 M	---	4,60	8,80
65-200/114	90 S	1,10	---	2,80
65-200/154	90 L	1,50	---	3,60
65-200/224	100 L	2,20	---	5,10
65-200/304	100 L	3,00	3,45	6,70
65-200/404	112 M	4,00	4,60	8,80
65-200/554	132 S	---	6,30	11,50
65-200/754	132 M	---	8,60	15,50
80-160/154	90 L	1,50	---	3,60
80-160/224	100 L	2,20	---	5,10
80-160/304	100 L	3,00	3,45	6,70
80-160/404	112 M	4,00	4,60	8,80
80-160/554	132 S	---	6,30	11,50

Etabloc SY

Etaline SY


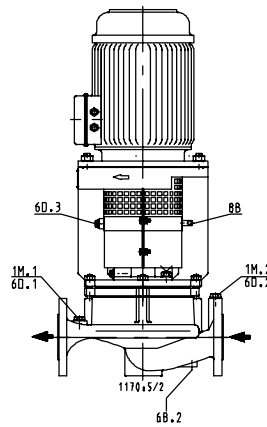
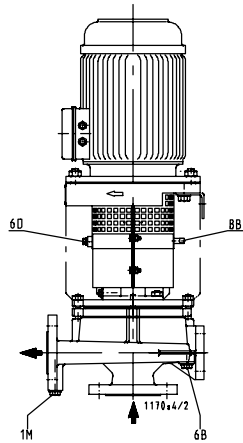
Lieferzustand
Horizontaler Einbau, Befestigung unten
As-delivered condition
Horizontal installation attachmend bellow

Etat de livraison
Montage horizontal, fixation en bas

Condizione alla spedizione
installazione orizzontale, fissaggio sotto

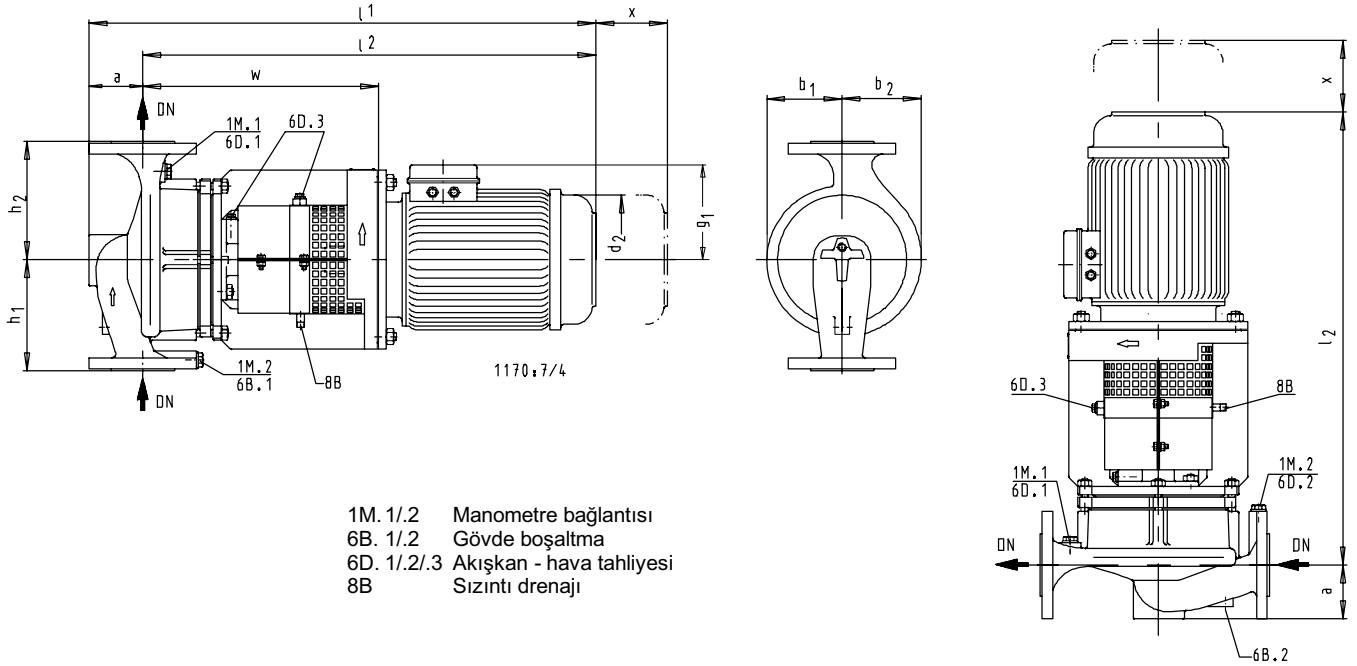
Afleveringstoestand
Horizontale inbouw, bevestiging onder

Teslim şekli olarak
Şekildeki gibi, yatay montaj



Vertikaler Einbau
Vertical installation
Montage vertical
Installazione verticale
Vertikale inbouw
Dikey montaj

1 M 1 M.1/2	Druckmeßgerät-Anschluss / Pressure gauge connection / Raccord de manomètre / Manometro / Aparato manometrico / Manometre / Basınç / Manometre bağlantısı
6 B 6 B.1/2	Förderflüssigkeit-Entleerung / Casing drain / Vidange du liquide véhiculé / Scarico del liquido convogliato / Vaciado del líquido de impulsión / Aftap, pomphuis / Gövde boşaltma
6 D 6 D.1/.2/3	Förderflüssigkeit-Auffüllen/Entlüften / Medium handled - Venting / Dégazage / Deaerazione del liquido da convogliare / Venteo liquido a bombear / Ontluchting / Akışkan - hava tahliyesi
8 B	Leckflüssigkeit-Ablass / Leakage Drain / Vidange liquide d'égouttage / Uscita del liquido di fuga / Salida del líquido de fugas / Lekvloestof afvoer / Sızıntı drenajı

Etaline SY, n 2900 1/dak, 3500 1/dak


- 1M. 1/2 Manometre bağlantısı
 6B. 1/2 Gövde boşaltma
 6D. 1/2/3 Akışkan - hava tahliyesi
 8B Sızıntı drenajı

EN 735'e uygun bağlantı boyutlarının toleransları

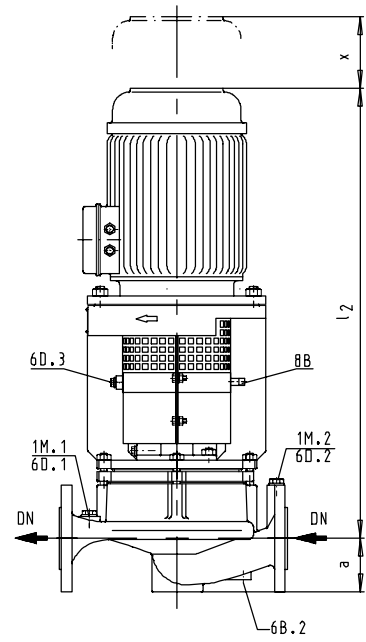
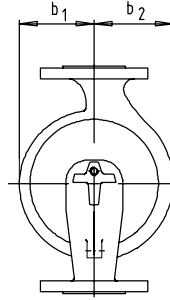
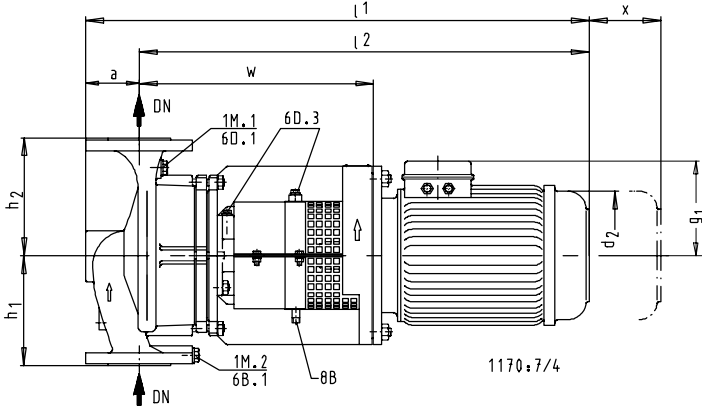
mm

Etaline SY		DN ¹⁾	a	b1	b2	d2	g1	h1	h2	l1	l2	w	x	1M.1/2 6B.1 6D.1/2 2)	6B.2 ²⁾	6D.3 8B 2)
2-kutup	n=2900															
	n=3500															
40-160/152	x	40	75	113	113	190	128	155	165	697	622	333	90	G 3/8		G 1/8
/222	x	40	75	113	113	190	128	155	165	697	622	333	90	G 3/8		G 1/8
/302	x	40	75	113	113	213	135	155	165	716	641	328	90	G 3/8		G 1/8
/402	x	40	75	113	113	234	148	155	165	737	662	328	90	G 3/8		G 1/8
/552	x	40	75	113	113	266	167	155	165	825	750	351	90	G 3/8		G 1/8
/752	x	40	75	113	113	266	167	155	165	825	750	351	90	G 3/8		G 1/8
40-200/302	x	40	85	136	136	213	135	180	210	733	648	335	90	G 3/8		G 1/8
/402	x	40	85	136	136	234	148	180	210	754	669	335	90	G 3/8		G 1/8
/552	x	40	85	136	136	266	167	180	210	834	749	358	90	G 3/8		G 1/8
/752	x	40	85	136	136	266	167	180	210	834	749	358	90	G 3/8		G 1/8
/1102	x	40	85	136	136	325	197	180	210	864	779	392	90	G 3/8		G 1/8
50-160/302	x	50	78	113	120	213	135	160	180	722	644	331	90	G 3/8		G 1/8
/402	x	50	78	113	120	234	148	160	180	743	665	331	90	G 3/8		G 1/8
/552	x	50	78	113	120	266	167	160	180	831	753	354	90	G 3/8		G 1/8
/752	x	50	78	113	120	266	167	160	180	831	753	354	90	G 3/8		G 1/8
/1102	x	50	78	113	120	325	197	160	180	1012	934	388	90	G 3/8		G 1/8
50-200/402	x	50	91	138	138	234	148	205	220	758	667	333	90	G 3/8		G 1/8
/552	x	50	91	138	138	266	167	205	220	846	755	356	90	G 3/8		G 1/8
/752	x	50	91	138	138	266	167	205	220	846	755	356	90	G 3/8		G 1/8
/1102	x	50	91	138	138	325	197	205	220	1027	936	390	90	G 3/8		G 1/8
/1502	x	50	91	138	138	325	197	205	220	1027	936	390	90	G 3/8		G 1/8
65-160/402	x	65	100	113	118	234	148	160	180	772	672	338	105	G 3/8		G 1/8
/552	x	65	100	113	118	266	167	160	180	860	760	361	105	G 3/8		G 1/8
/752	x	65	100	113	118	266	167	160	180	860	760	361	105	G 3/8		G 1/8
/1102	x	65	100	113	118	325	197	160	180	1041	941	395	105	G 3/8		G 1/8
/1502	x	65	100	113	118	325	197	160	180	1041	941	395	105	G 3/8		G 1/8
65-200/552	x	65	102	136	138	266	167	240	235	851	749	350	85	G 3/8		G 1/8
/752	x	65	102	136	138	266	167	240	235	851	749	350	85	G 3/8		G 1/8
/1102	x	65	102	136	138	325	197	240	235	1032	930	384	85	G 3/8		G 1/8
/1502	x	65	102	136	138	325	197	240	235	1032	930	384	85	G 3/8		G 1/8
/1852	x	65	102	136	138	325	197	240	235	1032	930	384	85	G 3/8		G 1/8
2202	x	65	102	136	138	370	259	240	235	1096	994	384	85	G 3/8		G 1/8
80-160/552	x	80	108	113	128	266	167	180	180	866	758	359	120	G 3/8		G 1/8
/752	x	80	108	113	128	266	167	180	180	866	758	359	120	G 3/8		G 1/8
/1102	x	80	108	113	128	325	197	180	180	1047	939	393	120	G 3/8		G 1/8
/1502	x	80	108	113	128	325	197	180	180	1047	939	393	120	G 3/8		G 1/8
/1852	x	80	108	113	128	325	197	180	180	1047	939	393	120	G 3/8		G 1/8
/2202	x	80	108	113	128	370	259	180	180	1111	1003	393	120	G 3/8		G 1/8
80-200/1102	x	80	136	138	154	325	197	262,5	237,5	1056	920	374	105	G 3/8	G 3/8	G 1/8
/1502	x	80	136	138	154	325	197	262,5	237,5	1056	920	374	105	G 3/8	G 3/8	G 1/8
/1852	x	80	136	138	154	325	197	262,5	237,5	1056	920	374	105	G 3/8	G 3/8	G 1/8
/2202	x	80	136	138	154	370	259	262,5	237,5	1120	984	374	105	G 3/8	G 3/8	G 1/8
100-160/752	x	100	114	114	144	298	167	250	200	870	756	357	115	G 1/2	G 1/2	G 1/8
/1102	x	100	114	114	144	325	197	250	200	1051	937	391	115	G 1/2	G 1/2	G 1/8
/1502	x	100	114	114	144	325	197	250	200	1051	937	391	115	G 1/2	G 1/2	G 1/8
/1852	x	100	114	114	144	325	197	250	200	1051	937	391	115	G 1/2	G 1/2	G 1/8
/2202	x	100	114	114	144	370	259	250	200	1115	1001	391	115	G 1/2	G 1/2	G 1/8
100-170/1502	x	100	177	121	155	325	197	245	205	1117	940	394	120	G 1/2	G 1/2	G 1/8
/1852	x	100	177	121	155	325	197	245	205	1117	940	394	120	G 1/2	G 1/2	G 1/8
/2202	x	100	177	121	155	370	259	245	205	1181	1004	394	120	G 1/2	G 1/2	G 1/8

1) DN = EN1092-2/DN../PN16/21/JS1025/B

2) "G" = ISO 228/1

Etaline SY, n 1450 1/dak, 1750 1 /dak



- 1M.1/2 Manometre bağlantısı
- 6B.1/2 Gövde boşaltma
- 6D.1/2/3 Akışkan - hava tahliyesi
- 8B Sızıntı drenajı

EN 735'e uygun bağlantı boyutlarının toleransları

Etaline SY	n=1450	n=1750	DN 1)	a	b1	b2	d2	g1	h1	h2	l1	l2	w	x	1M.1/2 6B.1/2 6D.1/2/3	6B.2 2)	6D.3 8B 2)
40-160/054	x	x	40	68	113	113	162	120	155	165	622	554	333	90	G 3/8		G 1/8
/074	x		40	68	113	113	162	120	155	165	622	554	333	90	G 3/8		G 1/8
/114		x	40	68	113	113	190	128	155	165	690	622	333	90	G 3/8		G 1/8
40-200/054	x	x	40	85	136	136	162	120	180	210	646	561	340	90	G 3/8		G 1/8
/074	x		40	85	136	136	162	120	180	210	646	561	340	90	G 3/8		G 1/8
/114		x	40	85	136	136	190	128	180	210	714	629	340	90	G 3/8		G 1/8
/154		x	40	85	136	136	190	128	180	210	714	629	340	90	G 3/8		G 1/8
50-160/054	x	x	50	78	113	120	162	120	160	180	635	557	336	90	G 3/8		G 1/8
/074	x		50	78	113	120	162	120	160	180	635	557	336	90	G 3/8		G 1/8
/114		x	50	78	113	120	190	128	160	180	703	625	336	90	G 3/8		G 1/8
50-200/054	x		50	91	138	138	162	120	205	220	650	559	338	90	G 3/8		G 1/8
/074	x		50	91	138	138	162	120	205	220	650	559	338	90	G 3/8		G 1/8
/114	x	x	50	91	138	138	190	128	205	220	718	627	338	90	G 3/8		G 1/8
/154		x	50	91	138	138	190	128	205	220	718	627	338	90	G 3/8		G 1/8
/224		x	50	91	138	138	213	135	205	220	737	646	329	90	G 3/8		G 1/8
65-160/054	x		65	100	113	118	162	120	160	180	664	564	343	105	G 3/8		G 1/8
/074	x		65	100	113	118	162	120	160	180	664	564	343	105	G 3/8		G 1/8
/114	x	x	65	100	113	118	190	128	160	180	732	632	343	105	G 3/8		G 1/8
/154		x	65	100	113	118	190	128	160	180	732	632	343	105	G 3/8		G 1/8
/224		x	65	100	113	118	213	135	160	180	751	651	338	105	G 3/8		G 1/8
65-200/074	x		65	102	136	138	162	120	240	235	655	553	332	85	G 3/8		G 1/8
/114	x		65	102	136	138	190	128	240	235	723	621	332	85	G 3/8		G 1/8
/154	x	x	65	102	136	138	190	128	240	235	723	621	332	85	G 3/8		G 1/8
/224		x	65	102	136	138	213	135	240	235	742	640	327	85	G 3/8		G 1/8
/304		x	65	102	136	138	213	135	240	235	742	640	327	85	G 3/8		G 1/8
80-160/054	x		80	108	113	128	162	120	180	180	670	562	341	120	G 3/8		G 1/8
/074	x		80	108	113	128	162	120	180	180	670	562	341	120	G 3/8		G 1/8
/114	x		80	108	113	128	190	128	180	180	738	630	341	120	G 3/8		G 1/8
/154	x	x	80	108	113	128	190	128	180	180	738	630	341	120	G 3/8		G 1/8
/224		x	80	108	113	128	213	135	180	180	757	649	336	120	G 3/8		G 1/8
/304		x	80	108	113	128	213	135	180	180	757	649	336	120	G 3/8		G 1/8
80-200/154	x		80	136	138	154	190	128	262.5	237.5	747	611	322	105	G 3/8	G 3/8	G 1/8
/224	x	x	80	136	138	154	213	135	262.5	237.5	766	630	317	105	G 3/8	G 3/8	G 1/8
/304	x	x	80	136	138	154	213	135	262.5	237.5	766	630	317	105	G 3/8	G 3/8	G 1/8
/404		x	80	136	138	154	234	148	262.5	237.5	787	651	317	105	G 3/8	G 3/8	G 1/8
/554		x	80	136	138	154	266	167	262.5	237.5	875	739	340	105	G 3/8	G 3/8	G 1/8
100-160/114	x		100	114	114	144	190	128	250	200	742	628	339	115	G 1/2	G 1/2	G 1/8
/154	x		100	114	114	144	190	128	250	200	742	628	339	115	G 1/2	G 1/2	G 1/8
/224	x	x	100	114	114	144	213	135	250	200	761	647	334	115	G 1/2	G 1/2	G 1/8
/304		x	100	114	114	144	213	135	250	200	761	647	334	115	G 1/2	G 1/2	G 1/8
/404		x	100	114	114	144	234	148	250	200	782	668	334	115	G 1/2	G 1/2	G 1/8
100-170/224	x		100	177	121	155	213	135	245	205	827	650	337	120	G 1/2	G 1/2	G 1/8
/304	x		100	177	121	155	213	135	245	205	827	650	337	120	G 1/2	G 1/2	G 1/8
/404		x	100	177	121	155	234	148	245	205	848	671	337	120	G 1/2	G 1/2	G 1/8
/554		x	100	177	121	155	266	167	245	205	936	759	360	120	G 1/2	G 1/2	G 1/8

1) DN = EN1092-2/DN.../PN16/21/JS1025/B

2) "G" = ISO 228/1



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