

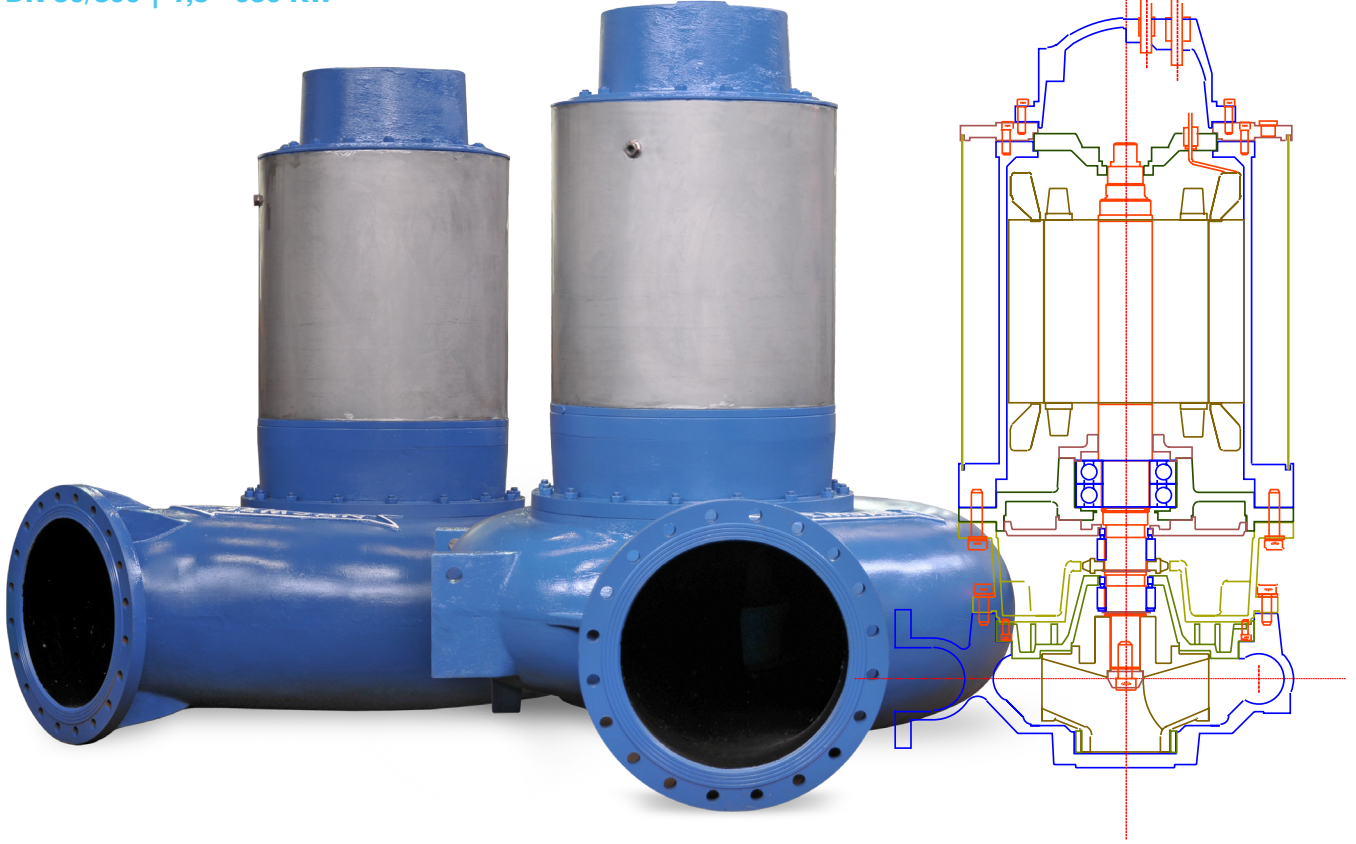


**PUMP, VALVE AND DAM
EQUIPMENT**
SUBMERSIBLE SEWAGE PUMP



SUBMERSIBLE SEWAGE PUMP

DN 50/800 | 1,3 - 630 KW



MATERIAL

- Motor body ductile iron GGG 40/50
- Cooling jacket ST37-2 / AISI 304
- Motor shaft is AISI 420 X20Cr13
- Fasteners AISI316
- Impeller is ductile iron GGG/40/50

FOR WET MOUNTING

- Pedestal, ductile iron GGG 40-50 / stainless steel
- Fasteners are galvanized steel
- Pipe coupling socket is ductile iron GGG 40/50

FOR DRY MOUNTING

- Pump chassis ST37-2

SPECIFICATIONS

- Discharge Outlets DN50-800
- Motor power is 1,3-630 kw
- Operating voltage is 380 V 50 Hz (3 phase)
- Insulation class: H
- Protection class: IP68
- Type of starting: star delta, directly, soft starter
- Type of cable: H07RNF
- Standart cable length is 10 meters
- Mechanical seal SiC-SiC / W-C

DESIGN

- TS EN 12599 certificated
- 380 V 50 Hz 3phase squirrel cage motor
- Motor insulation class H
- 1,3- 7,5 kw cooling vane (cooling jacket is optional)
- 11-630 kw closed circuit cooling system
- DI sealing sensor in the oil reservoir between the electric motor and the pump
- Maintenance free bearings
- There is a thermister temperature sensor for protect over heating of motor
- Stainless steel shaft
- Optionally completely in stainless steel manufacturing
- Custom manufacturing according to the type of fluid
- Dry, wet, horizontal and vertical mounting ability
- Epoxy coating

TYPE OF IMPELLER

- Closed impeller
- One – two – three channel big solid size impeller
- One channel two channel contrablock (CB)
- Open impeller
- Vortex impeller



KLEMENS KUTUSU KAPAĞI
TERMINALS COVER

 GJS400.15 / GJS500.7 / GG25
 AISI304 / AISI316
 IP68

MOTOR KAPAĞI
MOTOR COVER

 GJS400.15 / GJS500.7 / GG25
 AISI304 / AISI316
 IP68

STATOR

 1,3 - 630 kW
 IE2 / IE3 / IE4 PREMIUM EFFICIENCY
 H CLASS / F CLASS
 THERMISTOR

ROTOR
MOTOR GÖVDESİ
MOTOR BODY

 GJS400.15 / GJS500.7 / GG25
 AISI304 / AISI316

SOĞUTMA CEKETİ
COOLING JACKET

 GJS400.15 / GJS500.7 / GG25
 ST37-2 / AISI304 / AISI316

RULMAN YATAĞI
BEARING

 GJS400.15 / GJS500.7 / GG25
 AISI304 / AISI316

SİRKULASYON FANI
CIRCULATION IMPELLER

 GJS400.15 / GJS500.7 / GG25
 AISI304 / AISI316

YAĞ HAZNESİ
COOLING OIL RESERVOIR

 DI Sealing Sensor(Water Leakage Sensor)
 GJS400.15 / GJS500.7 / GG25
 AISI304 / AISI316

SALMASTRA GÖVDESİ
SEALING BODY

 SiC / SiC (Silisium Carbide)
 W / C (Tungsten Carbide)

FAN
IMPELLER

 OPEN / CLOSED / VORTEX / CONTRABLOCK
 CERAMIC COATING
 GJS400.15 / GJS500.7 / GG25
 AISI304 / AISI316

AŞINMA HALKASI
WEAR RING

AISI304 / AISI316 / Bronze

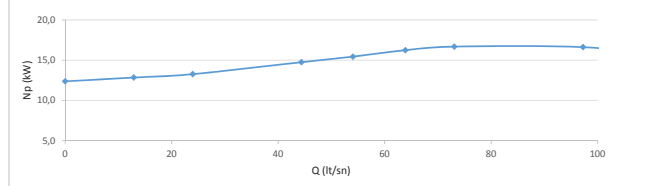
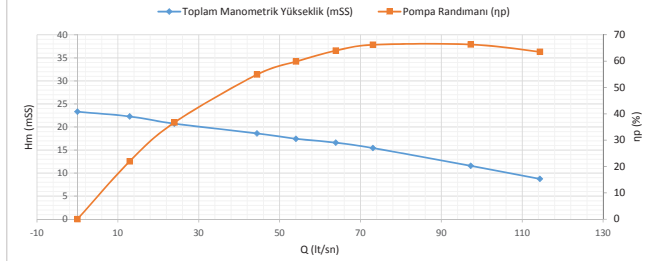
SALYANGOZ
PUMP SNAIL

 DN80 - DN800
 GJS400.15 / GJS500.7 / GG25
 AISI304 / AISI316

SUBMERSIBLE SEWAGE PUMP PERFORMANCE EFFICIENCY TEST REPORT

TEKLİF NO		HİDROLİK VERİLER			ELEKTRİK VERİLER	
Pompa Modeli	ASP 100 260 M185.4	Debi (Q)	77.7 lt/sn	Motor Gücü (N)	18,5 kW	
İmal Yılı / Seri No	2016 / KUTLAR 002	Yükseklik (Hm)	15 mSS	Devir (n)	1475 d/dak	
Test Tarihi / Saati	22.02.2016 / 16.57	Randiman (np)	66 %	Motor Randımanı	91,3 %	
Test No	1	Basma Ağzı (DN)	150 mm	TEST STANDI VERİLERİ		
Özel Notlar:Pedestalli,		Fan Tipi	2 kanat açık	Boru Çapı (DN)	0,13 mt	
		Fan Çapı	270	Su Seviyesi (m3)	1,4 mt	

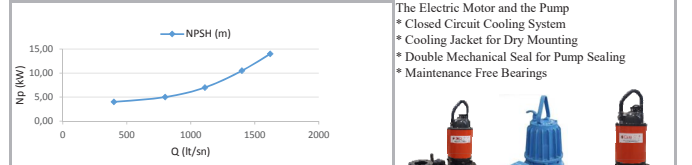
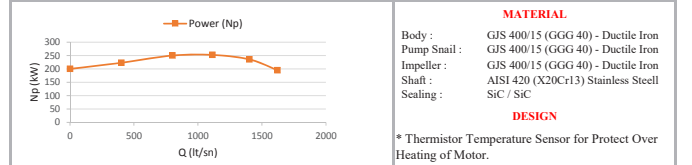
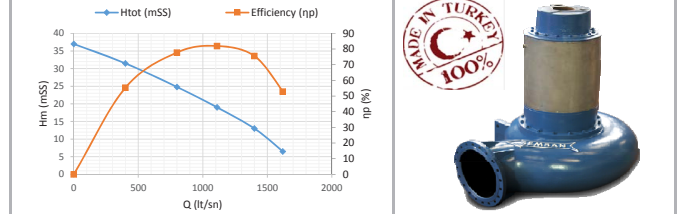
Debi (Q)	lt/sn	0	13	24	44	54	64	73	97	114		
Basınç Transmitteri	mt.	21,9	20,8	19,2	16,6	15,2	14,0	12,5	7,4	3,6		
Toplam Güç (N)	kW	13,6	14,1	14,5	16,2	16,9	17,8	18,3	18,2	16,9		
Hız (V)	m/sn	0,00	0,97	1,80	3,34	4,07	4,81	5,51	7,33	8,62		
Hız Yükseklik Farkı	mt.	0	0,0482	0,166	0,57	0,845	1,181	1,545	2,736	3,784		
Toplam Manometrik Yükseklik (mSS)	Hm	23	22	21	19	17	17	15	12	9		
Mil Gücü (Np)	kW	12,4	12,8	13,3	14,8	15,4	16,3	16,7	16,6	15,4		
Pompa Randımanı (np)	%	0	22	37	55	60	64	66	66	63,51		



SUBMERSIBLE SEWAGE PUMP PERFORMANCE CURVE

Customer	Order No
	Date 23.08.2016

PUMP SPECIFICATIONS			MOTOR SPECIFICATIONS		
Model	ASP100-260 M3150 / 8	Suction / Discharge	DN/500	Motor Power (N)	315 kW
Flow Rate (Q)	4000 m³/h	Impeller Type	3 Ch Closed	Speed (n)	740 d/dak
Flow Rate (Q)	1111,1 lt/sn	Impeller Dia	660 mm	Operation Voltage	380 V
Head (Hm)	19 mSS	Solid Size	120 mm	Frequency	50 Hz
Operation Temp.	40 °C	Efficiency (np)	82 %	Insulation Class	H Class
Protection Class	IP68	Power (N)	252,4 Kw	Cable Length	10 mt



MATERIAL

Body : GJS 400/15 (GGG 40) - Ductile Iron
 Pump Snail : GJS 400/15 (GGG 40) - Ductile Iron
 Impeller : GJS 400/15 (GGG 40) - Ductile Iron
 Shaft : AISI 420 (X20Cr13) Stainless Steel
 Sealing : SiC / SiC

DESIGN

* Thermistor Temperature Sensor for Protect Over Heating of Motor.
 * DI Sealing Sensor in the Oil Reservoir Between *
 The Electric Motor and the Pump
 * Closed Circuit Cooling System
 * Cooling Jacket for Dry Mounting
 * Double Mechanical Seal for Pump Sealing
 * Maintenance Free Bearings

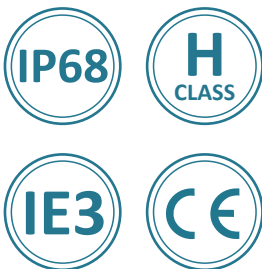


IE3 Premium Efficiency



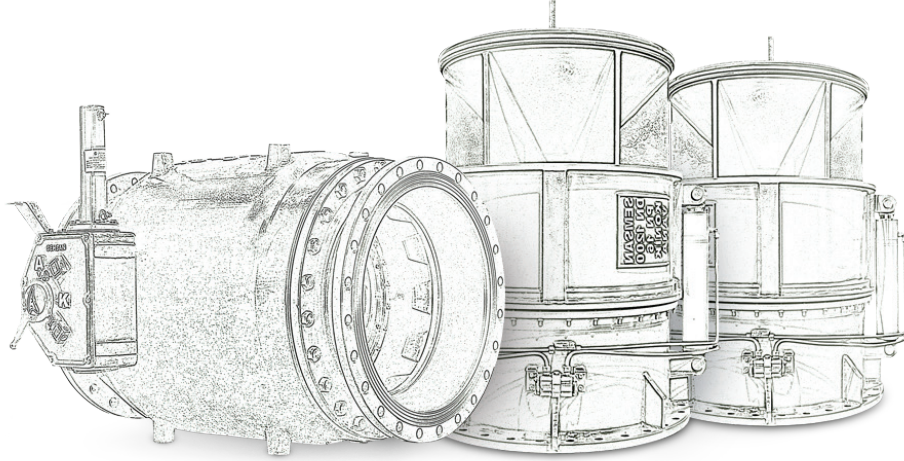
**EN ISO 9906
PUMP TEST
STAND**







PUMP, VALVE & DAM
EQUIPMETS
PRODUCT CATALOGUE



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