

Self-priming Pool Pumps

2850 rpm

GEMAS "STREAMER MINI"

Self-priming, thermoplastic body Monoblock Pool Pump; complete with pre-filter. Pump shaft in stainless steel.

Suction & Discharge 1,5". 2850 rpm - IP55 Motor.

Easy opening lid with 40° rotation. "Xylex" lid option for resistance against aggressive chemicals.



Easy access lid



Self coupling



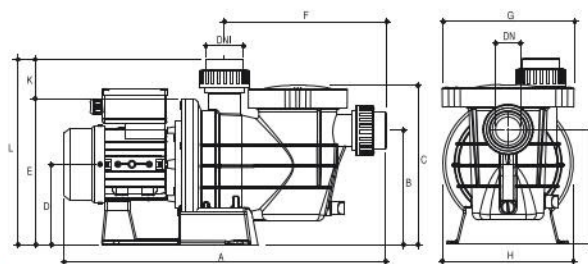
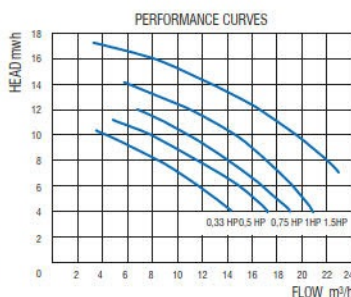
Noryl impeller



Stainless steel motor shaft



Description	Code	Pieces/box	Weight Kg	Volume m ³
• STRM-33M 0,33 HP, Monophase	0111STRM33M	1	10,980	0,037
• STRM-50M 0,5 HP, Monophase	0111STRM50M	1	11,140	0,037
• STRM-80M 0,75 HP, Monophase	0111STRM80M	1	13,200	0,037
• STRM-80T 0,75 HP, Triphase	0111STRM80T	1	13,000	0,037
• STRM-100M 1 HP, Monophase	0111STRM100M	1	12,800	0,037
• STRM-100T 1 HP, Triphase	0111STRM100T	1	11,620	0,037
• STRM-150M 1,5 HP, Monophase	0111STRM150M	1	12,800	0,037
• STRM-150T 1,5 HP, Triphase	0111STRM150T	1	11,620	0,037



PUMP TYPE	HP	CONDENSER (μF)	AMPERES			HEAD mwh									
			II	III		4	6	8	10	11	12	14	16	17	
			220 V	220 V	380 V	FLOW m³/h									
STRM-0.33M	0.33	12.50	2.70	-	-	14.10	11.60	8.30	4.00	-	-	-	-	-	-
STRM-0.50M	0.50	14.00	2.60	-	-	17.20	14.90	11.40	7.90	4.80	-	-	-	-	-
STRM-0.80T/M	0.75	14.00	3.50	2.50	1.45	18.90	16.70	13.50	10.80	9.00	6.80	-	-	-	-
STRM-1.00T/M	1.00	14.00	3.50	2.50	1.45	20.80	19.30	17.10	14.90	13.20	10.50	6.00	-	-	-
STRM-1.50T/M	1.50	20.00	4.60	3.30	1.90	26.00	24.80	22.00	19.50	18.00	16.50	12.50	15.00	-	-

PUMP TYPE	DIMENSIONS												Net Weight (Kg)		Gross Weight (Kg)	
	DNA	DNI	A	K	B	C	D	E	F	G	H	L	Mo.	Tri.	Mo.	Tri.
	1,5"	1,5"	510	70	175	265	140	240	255	210	210	315	9,980	-	10,980	-
STRM-0,33M	1,5"	1,5"	510	70	175	265	140	240	255	210	210	315	9,980	-	10,980	-
STRM-0,50M	1,5"	1,5"	540	70	175	265	140	240	255	210	210	315	10,140	-	11,140	-
STRM-0,80T/M	1,5"	1,5"	540	70	175	265	140	240	255	210	210	315	12,200	-	13,200	13,000
STRM-1,00T/M	1,5"	1,5"	540	70	175	265	140	240	255	210	210	315	11,800	10,620	12,800	11,620
STRM-1,50T/M	1,5"	1,5"	540	70	175	265	140	240	255	210	210	315	11,800	10,620	12,800	11,620

SUCTION PIPE DIMENSIONS

PUMP TYPE	STRM-33M	STRM-50M	STRM-80T/M	STRM-100T/M	STRM-150T/M
SUCTION PIPE Ø	1,5" (Ø50 mm)	1,5" (Ø50 mm)	2" (Ø63 mm)	2" (Ø63 mm)	2,5" (Ø75 mm)

PS: It is recommended to use a conical reducer at the suction line of the pump.

mini Streamer®

Self - Priming Centrifugal Pump for Pools



Quality Management System

" MINI STREAMER " SELF-PRIMING CENTRIFUGAL PUMP FOR POOLS



The Mini Streamer Pumps are precision, injection - moulded units, using a temperature and corrosion resistant fiber glass low dense plastic. The difference between Mini Streamer and other pumps lies in their uncomparable performance.

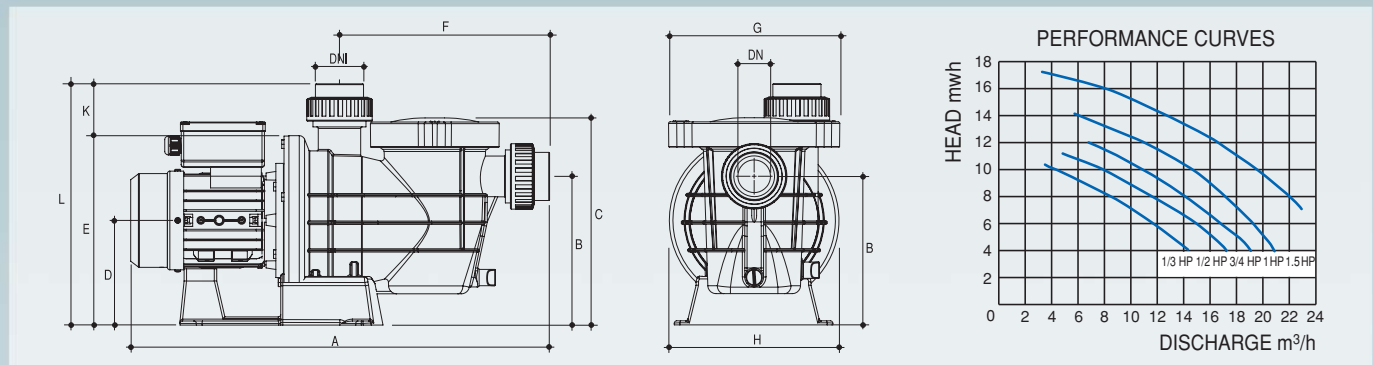
- Equipped with an IP55 totally enclosed motor, designed for continuous running. Particularly silent and resistant to moisture. Elevated support with antivibration pad facilitates extra protection against flood and vibration.
- The excellent design of the rotating elements and pump chamber ensures maximum water flow without turbulence which is the reason of exceptionally good performance curves.
- Rustproof ceramic and high duty carbon mechanical seal has a heat sink which allows cooler running, longer life and loss wear.
- Motor and pump are separated in such a way that any contact between the electrical components and pumped water is virtually impossible.
- Unions at both inlet and outlet facilitates easy removal of the pump from the system for service purposes. Unions are compatible with Fitvalf d50 ballvalve handle.
- Brand new easy opening design lid.

Characteristics

Monoblock pump body, in 30% fiberglass polypropylene for protection against corrosive water. Housed inside is a PREFILTERING BASKET that has a large filtering surface. High quality stainless steel shaft and mechanical seal. Noryl ultrasound soldered impeller.

Motor

IP55 protected. 230V or 230/400V - 50Hz. Noise level below 62db. 2850 rpm.



PUMP TYPE	HP	CON-DAN-SATOR (µF)	AMPERES			HEAD mwh								
			II 230 V	III 230 V	400 V	4	6	8	10	11	12	14	16	17
						DISCHARGE m³/h								
STRM-0,33M	0,33	16	2,50	-	-	14,10	11,60	8,30	4,00	-	-	-	-	-
STRM-0,50M	0,50	20	2,70	2,33	-	17,20	14,90	11,40	7,90	4,80	-	-	-	-
STRM-0,80T/M	0,75	25	3,40	3,03	1,44	18,90	16,70	13,50	10,80	9,00	6,80	-	-	-
STRM-1,00T/M	1,00	30	3,60	4,42	1,48	20,80	19,30	17,10	14,90	13,20	10,50	6,00	-	-
STRM-1,50T/M	1,50	30	5,15	4,60	2,30	26,00	24,80	22,00	19,50	18,00	16,50	12,50	15,00	-

PUMP TYPE	DIMENSIONS (mm)												Net Weight (Kg)		Packing W. (Kg)	
	DNA	DNI	A	K	B	C	D	E	F	G	H	L	Mo.	Tri.	Mo.	Tri.
STRM-0,33M	1 1/2"	1 1/2"	500	70	175	270	125	230	255	210	175	300	8,750	-	7,750	-
STRM-0,50M	1 1/2"	1 1/2"	500	70	175	270	125	230	255	210	175	300	9,150	-	8,150	-
STRM-0,80T/M	1 1/2"	1 1/2"	500	70	175	270	125	230	255	210	175	300	11,050	11,350	10,050	10,350
STRM-1,00T/M	1 1/2"	1 1/2"	500	70	175	270	125	230	255	210	175	300	12,050	11,450	11,050	10,450
STRM-1,50T/M	1 1/2"	1 1/2"	500	70	175	270	125	230	255	210	175	300	12,150	11,550	11,150	10,550

PUMP TYPE	STRM-33M	STRM-50M	STRM-80T/M	STRM-100T/M	STRM-150T/M
Ø SUCTION PIPE	1 1/2" (Ø50 mm)	1 1/2" (Ø50 mm)	2" (Ø63 mm)	2" (Ø63 mm)	2 1/2" (Ø75 mm)

PUMP TYPE	PACKING DIM. (mm)
STRM-33/50/80/100/150	540 x 210 x 370

PS: It is recommended to use conical reduction at the suction line of the pump

We reserve the right to change all or part of the features of the articles or contents of this document, without prior notice.





Please read carefully the instruction manual before starting the installation process. The installation should be in accordance to the local standards.

1. APPLICATIONS

The swimming pool pump model STREAMER Mini has a horizontal centrifugal construction. Its main application is to circulate the swimming pool pump water and normally it is installed before the filtration equipment. The pump is designed to move about incoming and the outgoing water from the chlorine disinfected swimming pool. The STREAMER MINI pumps have a removable basket for filtering of small solids.

2. TECHNICAL INFORMATION

2.1 Maximum environment temperature: +50°C.

2.2 Water Temperature: From 0°C to 50°C

2.3 Maximum working pressure permitted: 2 Bar.

2.4 Maximum inlet pressure: When the pump Works with a closed valve the inlet pressure should be lower than the maximum working pressure permitted always.

2.5 Minimum suction head:

TYPE	Maximum Suction with Check Valve	Maximum Autosuction
STREAMER MINI	5 m	4 m

2.6 Self Priming: The STREAMER MINI pumps are self priming up to 4m height.

2.7 Electrical Details:

TYPE	Voltage
STREAMER MINI-33M STREAMER MINI-50M STREAMER MINI-80M STREAMER MINI-100M	1 x 230 V 50 Hz
STREAMER MINI-80T STREAMER MINI-100T STREAMER MINI-150T	3 x 230 / 400 V 50 Hz

See also the characteristics plate.

Water proof type: IP55

Isolation Class: F

2.8 Dimensions: See the drawing on the final of this manual

2.9 Sound level: The sound pressure level of the pump is lower than 70db.

2.10 Weights:

Streamer Mini Series	Weight (kg)
STREAMER MINI-33M	8,750
STREAMER MINI-50M	9,150
STREAMER MINI-80M	11,050
STREAMER MINI-80T	11,350
STREAMER MINI-100M	12,050
STREAMER MINI-100T	11,450
STREAMER MINI-150M	12,150
STREAMER MINI-150T	11,550

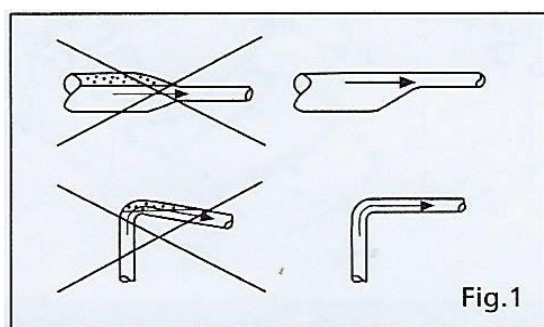
3. INSTALLATION

Normally the STREAMER MINI swimming pool pumps are installed between the skimmer/balance tank and the swimming pool filter.

The pump should be placed on a flat, solid foundation with the shaft in horizontal position and the prefilter cover uppermost. It must be possible to remove the transparent cover so that the prefilter basket can be removed for cleaning.

The suction pipe must have as minimum the same diameter as the pump suction line with continuous slope in order to avoid long priming times. If the suction line exceeds 10 meters, the extra pressure loss should be considered.

The pipes should be installed to avoid any air leaks in its interior. The following drawing shows a correctly fitted piping.



The pipes should be fitted in such a way that any pressure variation caused by temperature changes do not effect the pump. If the piping is very long and/or high support the pump in front and behind. It is recommended to put a retention or check valve at the outlet.



The plastic pipes and connections should be screwed carefully.

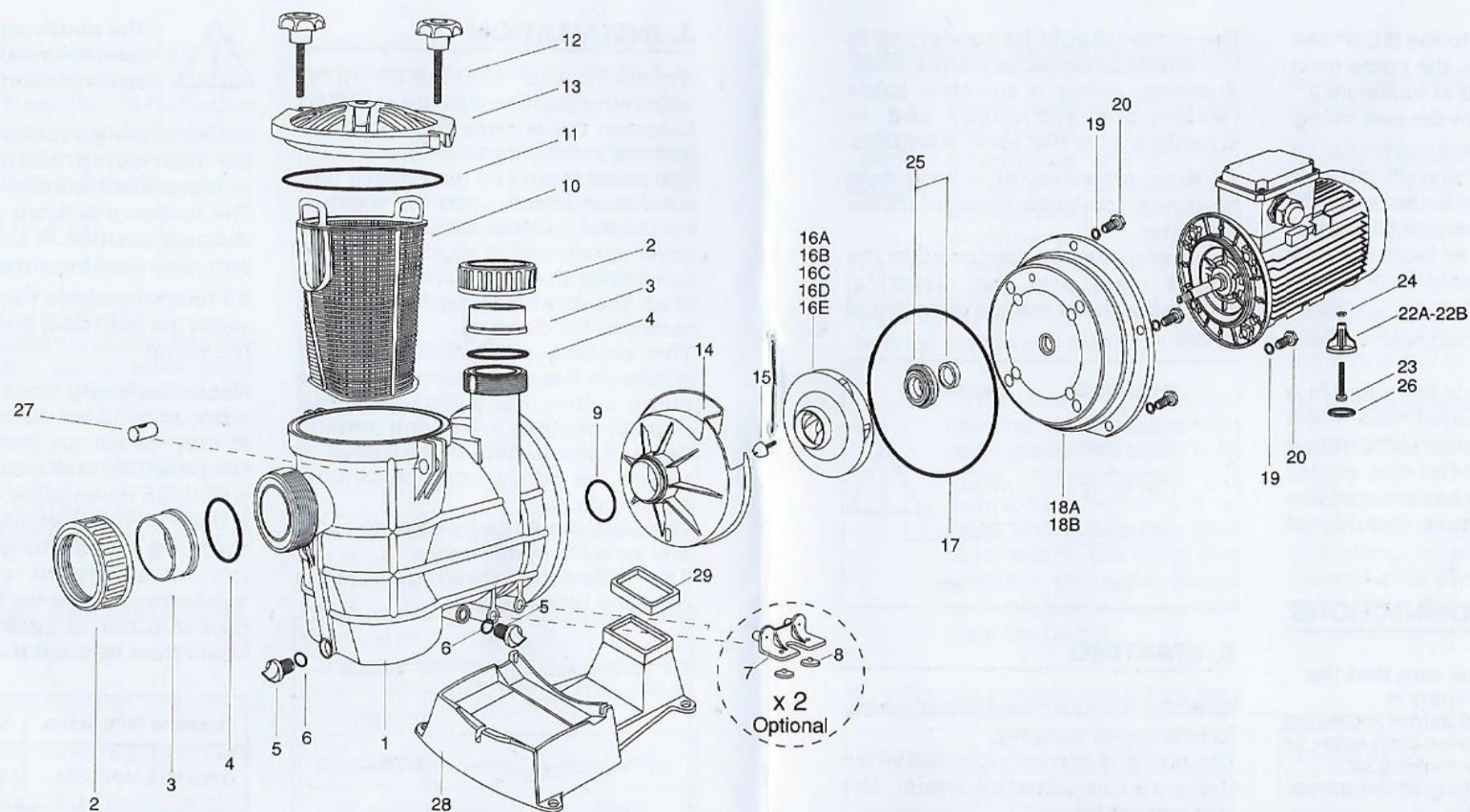
In case of using a suction hose, it must be non-compressible (with a reinforcement spiral).

The suction pipe/hose should be the shortest possible in order to assure optimum working conditions.

It's recommendable to install shutting valves the both sides in order to isolate the pump.

Note: The pump does not allow to work with closed discharge valve as it may cause an increase of the temperature and steam formation which can damage the pump. If there is any possibility of operating the pump with discharge valve closed, it's necessary to connect one bypass/mud valve on the discharge pipe in order to assure a minimum liquid flow through the pump.

Streamer Mini Series	Suction Pipe Size
STREAMER MINI-33M	1 1/2" (Ø50 mm)
STREAMER MINI-50M	1 1/2" (Ø50 mm)
STREAMER MINI-80M/T	2" (Ø63 mm)
STREAMER MINI-100M/T	2" (Ø63 mm)
STREAMER MINI-150M/T	2 1/2" (Ø75 mm)



NO	CODE	DESCRIPTION	NO	CODE	DESCRIPTION	NO	CODE	DESCRIPTION
1	0111STRM01	Streamer pump body	12	0111STR09	Prefilter lid bolt	18B	0111STRM13	Mini Streamer rear pump body (63 body)
2	13111412A	Mini pump connection nut 1 1/2"	13	0111STRM06	Mini Streamer prefilter lid	19	03202	Washer inox M8
3	0111STRM02	Mini pump pipe connection 1 1/2"	14	0111STRM07	Diffuser for mini pump	20	0111STR21	Inox screw M8x20
4	0111STRM03	Gasket for mini pump union	15	0111STR37	Inox counter screw M6x20	22A	0111STR30	Pump leg (80 body), Mini Streamer (71 body)
5	0111STR02	Drain plug	16A	0111STRM08	Mini Streamer impeller 1/3 HP	22B	0111STR30A	Mini Streamer pump leg (63 body)
6	0111STR03	O-ring for drain plug	16B	0111STRM09	Mini Streamer impeller 1/2 HP	23	0111STRM17	Inox screw, for motor leg M5x40 (Mini STR.)
7	0111STR04	Pump leg	16C	0111STRM10	Mini Streamer impeller 3/4 HP	24	0111STR33	Inox nut, for motor leg M5
8	0111STR05	Antivibrator pad for pump leg	16D	0111STRM11	Mini Streamer impeller 1 HP	25	0111STR34	Mechanical seal complete
9	0111STR06	Diffuser gasket	16E	0111STRM14	Mini Streamer impeller 1,5 HP	26	0111STR35	Antivibrator pad for motor leg
10	0111STRM04	Mini Streamer prefilter basket	17	0111STRM12	Mini Streamer pump body o-ring	27	0111STR36	Housing for filter lid bolts
11	0111STRM05	Mini Streamer prefilter lid gasket	18A	0111STRM13A	Mini Streamer rear pump body (71 body)	28	0111STRM04H	High pump leg (Mini Streamer) (New optional base)
						29	0111STRM04H1	High pump leg chock (Mini Streamer) (New optional base chock)



According to IEC N°364 publication, the pump must be installed at minimum 2 meters from the swimming pool edge.

3.1 Ventilation: The pump's motor is cooled by fan, placed in the back side. You should install the pump in a well ventilated place (free from possible freezing), preferably in a room.

a) If the pump is installed outdoors, it must be protected with suitable cover.

b) If the pump is installed in a buried or semiburied "case", it is necessary to assure a sufficient air entrance in order the motor ventilation not to be damaged (the inside temperature should not exceed the 50°C).

4. ELECTRICAL CONNECTIONS



Please make sure that the electrical supply is interrupted before removing the connection case cover or before any moving or disassembling of the pump.

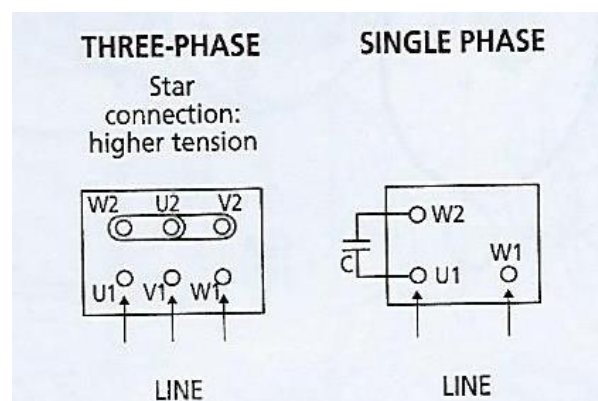
Electrical connections must be done by a Professional and according to the local standards.

The pump must be connected to an external switch.

The voltage and frequency are marked on the characteristics plate. Please make sure that the motor is suitable to electrical supply in the network.

The motor should be connected to the electrical supply as shown in the drawing, using a suitable cable (watertight approved) and in accordance to the local standards.

4.1 Motor Protection: All version must be connected to an external motor protector. The pump must be connected to the outlet mass and electrical installation must have a differential circuit.



5. STARTING

Note: Do not start the pumps during its priming or purging.

The pump is correctly primed when the water is situated under the transparent lid. The arrows on the pump housing indicate the correct rotation.

In order to create a maximum suction capacity during the starting, close the discharge valve, start the pump and open slowly the discharge valve. If the pump does not work correctly 5 minutes later, stop the pump check the water level in both the suction pipe and in the pump prefilter.

6. PREFILTER BASKET CLEANING



Please make sure that the electrical supply is interrupted and it is not possible to be connected accidentally before to start working with the pump.

The filter basket must be checked daily and cleaned if necessary. **Before opening the prefilter cover, please close the suction and discharge valves.**



After the filter basket cleaning, clean also the filter cover gasket and put it in its place. Then check if the pump housing is full of water and if so, put the filter cover and fix the cover nuts similarly. Open the charge and discharge valves and start the pump.

Note: High pressure cleaning is not allowed.

7. WINTERIZING

If the Pump will not be used during the winter, remove all plugs and drain the pump and all piping. To drain the pump, please take off the drain plugs (5) from the pump housing. Do not put the drainage plugs up till the pump will be used again.

8. MAINTENANCE

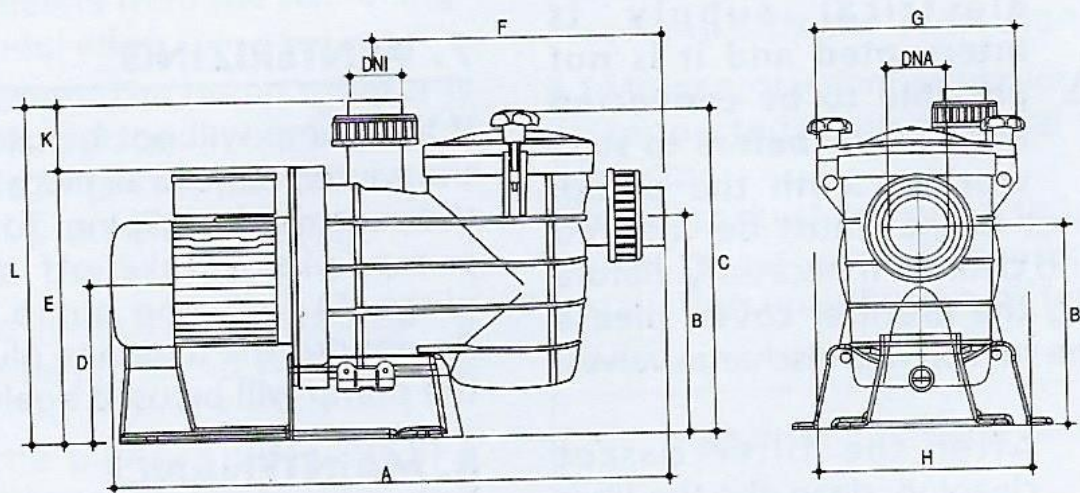
Please make sure that the electrical supply is interrupted and it is not possible to be accidentally connected before the pump to start working. The pump is designed to operate maintenance under normal working conditions. The motor bearings are permanently lubricated.

9. TROUBLE SHOOTING

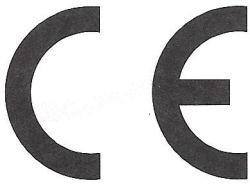
TROUBLE	CAUSE
The pump works, but does not prime.	1. No water in the strainer pot. 2. Pump not purged. 3. Filtration in the piping / suction hose. 4. Incorrect closing of the transparent lid. - Check the prefilter basket - Tight well the lid screws 5. Too high suction head - Maximum suction head permitted is 3 meters. 6. The suction line sucks air through connections. 7. Mechanical seal leaking.

TROUBLE	CAUSE
The pump does not work satisfactory.	1. Incorrect direction of rotating (only in case of 3-phase pumps) - Change the rotating direction 2. The prefilter basket or the skimmer are dirty or blocked. - Clean the prefilter basket 3. The water level in the swimming pool is too low. - Increase the water level up to the 1/2 of the pool capacity 4. The piping / hose is partially blocked by impurities - Clean the piping / suction hose.

STREAMER MINI DIMENSIONS DRAWING



TYPE	DIMENSIONS (mm)											
	DNA	DNI	A	K	B	C	D	E	F	G	H	L
STRM - 0,33M	1 1/2"	1 1/2"	500	70	175	280	125	230	255	205	175	300
STRM - 0,50M	1 1/2"	1 1/2"	500	70	175	280	125	230	255	205	175	300
STRM - 0,80T/M	1 1/2"	1 1/2"	500	70	175	280	125	230	255	205	175	300
STRM - 1,00T/M	1 1/2"	1 1/2"	500	70	175	280	125	230	255	205	175	300
STRM - 1,50T/M	1 1/2"	1 1/2"	500	70	175	280	125	230	255	205	175	300



UYGUNLUK ONAYI ATTESTATION OF COMPLIANCE

Reference No:

TRC-21-1510/02

Referans Nu.:

Applicant:

Başvuru Sahibi:

Gemaş Genel Mühendislik Mekanik San. ve Tic. A.Ş

**İTOB Organize Sanayi Bölgesi 10001 Sokak No: 28 Tekeli Menderes
İzmir / Türkiye**

Manufacturer:

Üretici:

Gemaş Genel Mühendislik Mekanik San. ve Tic. A.Ş

**İTOB Organize Sanayi Bölgesi 10001 Sokak No: 28 Tekeli Menderes
İzmir / Türkiye**

Product:

Ürün:

STREAMER TRIPHASE POOL PUMP

STREAMER TRİFAZE HAVUZ POMPASI

Type/Model:

Tip/Model

**STRN-80T, STRN-100T, STRN-150T, STRN-200T, STRN-300T,
STRN-350T, STRM-80T, STRM-100T, STRM-150T**

**Market Of Electrical Equipment Designed For Use Within Certain Voltage Limits
Directive**

Reference Directive(s):

Referans Yönetmelik(ler)

**2014/30/EU On The Harmonisation Of The Laws Of The Member States Relating To
Electromagnetic Compatibility**

Makina Emniyeti Yönetmeliği (2006/42/AT)

**Belirli Gerilim Sınırları İçin Tasarlanan Elektrikli Ekipman ile İlgili Yönetmelik
(2014/35/AB)**

Elektromanyetik Uyumluluk Yönetmeliği (2014/30/AB)

**TS EN 60204-1:2018, EN 60335-1:2012 + A11:2014 /AC:2014+A13:2017 +A14:2019
+A2:2019 +A1:2019, EN 60335-2-41:2003 + A1:2004 + A2:2010, TS EN ISO
12100:2010, EN 809:1998 +A1:2009/AC:2010, EN 61000-6-3:2007/A1:2011/AC:2012,
EN 62233:2008**

Reference Standard(s):

Referans Standart(lar)

File of technical documentation, test reports

Base of attestation:

Onay Dayanağı:

**Ref. No. ECP.18.03.R0015, ECP.18.03.R0017, 18-1284-R00-N02-02, 20180115-002
Teknik Dokümantasyon, ECP.18.03.R0015, ECP.18.03.R0017, 18-1284-R00-N02-02,
20180115-001 numaralı test raporları**

Issue Date:

Yayın Tarihi

15.10.2021

Expiry Date:

Geçerlilik Tarihi

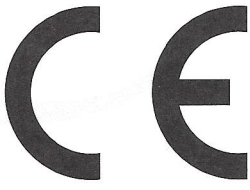
14.10.2022

Integra96, has inspected the documentation presented concerning the product of the company whose name and address mentioned above according to the reference directive and/or reference standards. Suitability of product and documentation to the directive and standards are under the responsibility of the company. However, in case the product is subject to more than directives and standards which are mentioned above, when the company fulfills conditions of other directives and standards, then it can attach CE conformity marking and arrange conformity declaration. This attestation has been issued as per company required. This attestation does not abrogate the compulsory obligation of the manufacturer to issue the declaration of conformity.

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Ürünün diğer ilgili yönetmelik ve standartlara tabi olması durumunda diğer yönetmelik ve standartların şartlarını da firma yerine getirdiğinde yukarıda belirtilen CE uygunluk işareti ürün üzerine iliştilerilebilir ve uygunluk beyanı düzenleyebilir. Bu onay firmanın isteği üzerine verilmiştir. Bu onay üreticinin uygunluk beyanı düzenleme zorunluluğunu ortadan kaldırmaz.

**Cengiz TAHER
İNTEGRA96 Belgelendirme
İZMİR, (rev. 00) <15.10.2021>**



UYGUNLUK ONAYI ATTESTATION OF COMPLIANCE

Reference No:
Referans Nu.:

TRC-21-1510/01

Applicant:
Başvuru Sahibi:

Gemaş Genel Mühendislik Mekanik San. ve Tic. A.Ş
İTOB Organize Sanayi Bölgesi 10001 Sokak No: 28 Tekeli Menderes
İzmir / Türkiye

Manufacturer:
Üretici:

Gemaş Genel Mühendislik Mekanik San. ve Tic. A.Ş
İTOB Organize Sanayi Bölgesi 10001 Sokak No: 28 Tekeli Menderes
İzmir / Türkiye

Product:
Ürün:

STREAMER MONOPHASE POOL PUMP
STREAMER MONOFAZE HAVUZ POMPASI

Type/Model:
Tip/Model

STRN-50M, STRN-80M, STRN-100M, STRN-150M, STRN-200M, TRN 300M, STRN-350M, STRM-33M, STRM-50M, STRM-80M, STRM-100 M, STRM-150M

Reference Directive(s):
Referans Yönetmelik(ler)

2006/42/EC Machinery Safety Directive
2014/35/EU The Laws Of The Member States Relating To The Making Available On The Market Of Electrical Equipment Designed For Use Within Certain Voltage Limits Directive
2014/30/EU On The Harmonisation Of The Laws Of The Member States Relating To Electromagnetic Compatibility
Makina Emniyeti Yönetmeliği (2006/42/AT)
Belirli Gerilim Sınırları İçin Tasarlanan Elektrikli Ekipman ile İlgili Yönetmelik (2014/35/AB)

Reference Standard(s):
Referans Standart(lar)

Elektromanyetik Uyumluluk Yönetmeliği (2014/30/AB)
TS EN 60204-1:2018, EN 60335-1:2012 + A11:2014 /AC:2014+A13:2017 +A14:2019 +A2:2019 +A1:2019, EN 60335-2-41:2003 + A1:2004 + A2:2010, TS EN ISO 12100:2010, EN 809:1998 +A1:2009/AC:2010, EN 61000-6-3:2007/A1:2011/AC:2012, EN 62233:2008

Base of attestation:
Onay Dayanağı:

File of technical documentation, test reports Ref. No. **ECP.18.03.R0014, ECP.18.03.R0018, 18-1284-R00-N01-01, 20180115-001**
Teknik Dökümantasyon, ECP.18.03.R0014, ECP.18.03.R0018, 18-1284-R00-N01-01, 20180115-001 numaralı test raporları

Issue Date:
Yayın Tarihi

15.10.2021

Expiry Date:

Geçerlilik Tarihi

14.10.2022

Integra96, has inspected the documentation presented concerning the product of the company whose name and address mentioned above according to the reference directive and/or reference standards. Suitability of product and documentation to the directive and standards are under the responsibility of the company. However, in case the product is subject to more than directives and standards which are mentioned above, when the company fulfills conditions of other directives and standards, then it can attach CE conformity marking and arrange conformity declaration. This attestation has been issued as per company required. This attestation does not abrogate the compulsory obligation of the manufacturer to issue the declaration of conformity.

Integra96, yukarıda bahsi geçen firmanın ürüne ilişkin sunduğu dokümantasyonu yukarıda belirtilen referans yönetmelik ve / veya standartlara göre incelemiştir. Yönetmeliğe ve standartlara göre ürünün ve dokümantasyonun uygunluğu firma sorumluluğundadır. Ürünün diğer ilgili yönetmelik ve standartlara tabi olması durumunda diğer yönetmelik ve standartların şartlarını da firma yerine getirdiğinde yukarıda belirtilen CE uygunluk işareti ürün üzerine iliştilir ve uygunluk beyanı düzenleyebilir. Bu onay firmanın isteği üzerine verilmiştir. Bu onay üreticinin uygunluk beyanı düzenleme zorunluluğunu ortadan kaldırmaz.

Cengiz TAHRİR
İNTEGRA96 Belgelendirme
İZMİR, (rev. 00) <15.10.2021>