

OSSI-JET

OSSI喷射装置是一种氧化自吸系统，由潜水电泵、吸气管和若干个喷射器组成。通过喷嘴泵送的污水通过文丘里管在大气压力下捕获空气，通过喷射器产生与空气严重混合的流量。这些设备保证确保氧化输出量增加，从而方便地引导水流以改善污水的均质化。

有了OSSI喷射装置，就操作和成本而言，任何来自生物处理池的东西都可以有效地充气。

我们的OSSI-Jet解决方案是一个原始系统，允许您同时充气 and 混合任何类型的工业、民用和生活中的液体，并降低投资和运营成本。

射流曝气器，带有单或双扩散器管道，用于固定或便携式安装，与法乔拉蒂系列的高效泵相连。

应用/Applications

用于中小型水池中废水的联合曝气和混合。也用于清洗雨水罐和平衡罐，在平衡罐中，通风和混合组合可减少败血性并最大限度地减少气味。

特征/Features

- 独立、自吸系统，可选择带导轨和底座的固定安装，或带支架的便携式安装。便携式选项特别适用于紧急或间歇通风任务，并允许在水箱中进行可变定位。
- 使用标准XFP泵，具有连续额定的高效电机、温度和密封监测以及双机械密封。
- 无堵塞的液压设计，带反向叶轮。与表面系统相比，噪音降低，喷雾减少。
- 连续运行介质的最高允许温度为40° C。

文丘里喷射原理/Venturi injection principle

文丘里喷射曝气器基于喷射原理，产生有效的空气-水混合，从而产生最佳的曝气和固体悬浮。通过较小的喷嘴入口泵送时，泵的一次流速度加快，从而降低通过进气管吸入二次流空气的内部压力。然后，液体和气流在扩散器管的湍流中混合，并作为细气泡喷射到油箱中。



电动机/Motor

高效IE3，三相鼠笼式电机；460 V；60 Hz；4极（1750 r/min）和6极（1180 r/min）。

防护类型：IP 68

定子绝缘：H级。

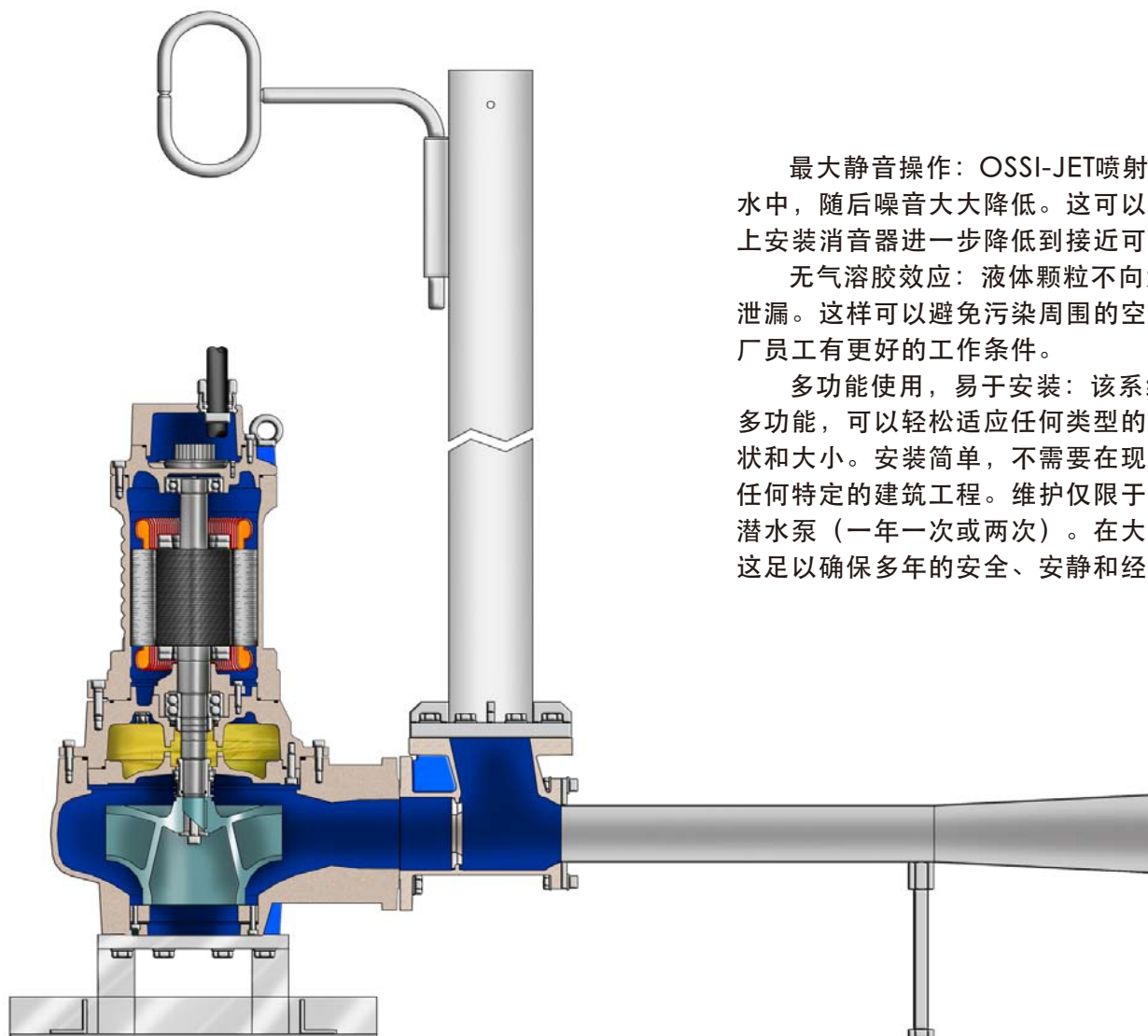
启动：DOL（直接在线）

冷却：100C-150E自冷，

150G和201G版本，带闭式冷却系统。

使用系数：1.3





最大静音操作：OSSI-JET喷射机完全淹没在水中，随后噪音大大降低。这可以通过在吸气管上安装消音器进一步降低到接近可感知阈值的值。

无气溶胶效应：液体颗粒不向大气中喷射或泄漏。这样可以避免污染周围的空气，并确保工厂员工有更好的工作条件。

多功能使用，易于安装：该系统非常灵活和多功能，可以轻松适应任何类型的坦克，无论形状和大小。安装简单，不需要在现有结构上进行任何特定的建筑工程。维护仅限于定期检查电动潜水泵（一年一次或两次）。在大多数情况下，这足以确保多年的安全、安静和经济高效的运行。

OSSI-JET的选择和位置

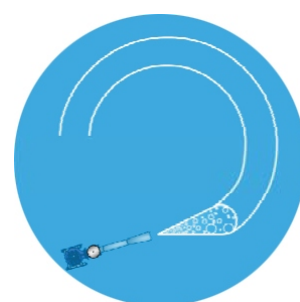
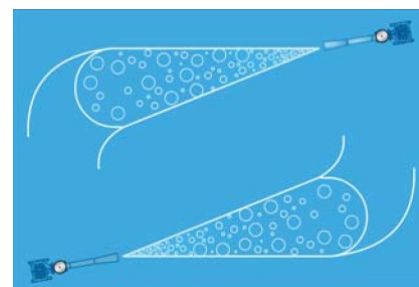
一旦您根据曝气池评估了标准条件下所需的氧气/小时速率，您必须使用一个或多个OJS确定满足基本条件的溶液，必须确保：

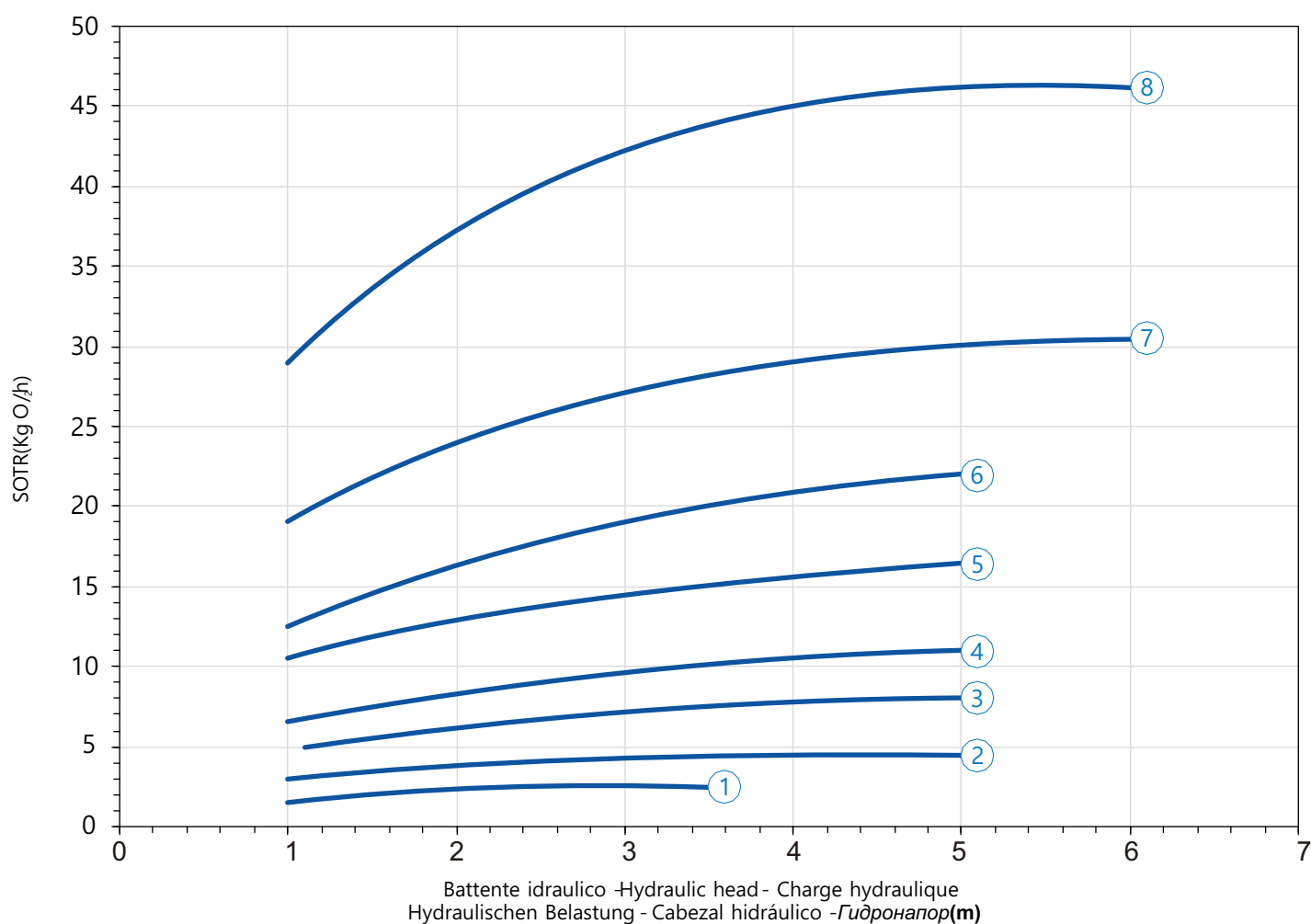
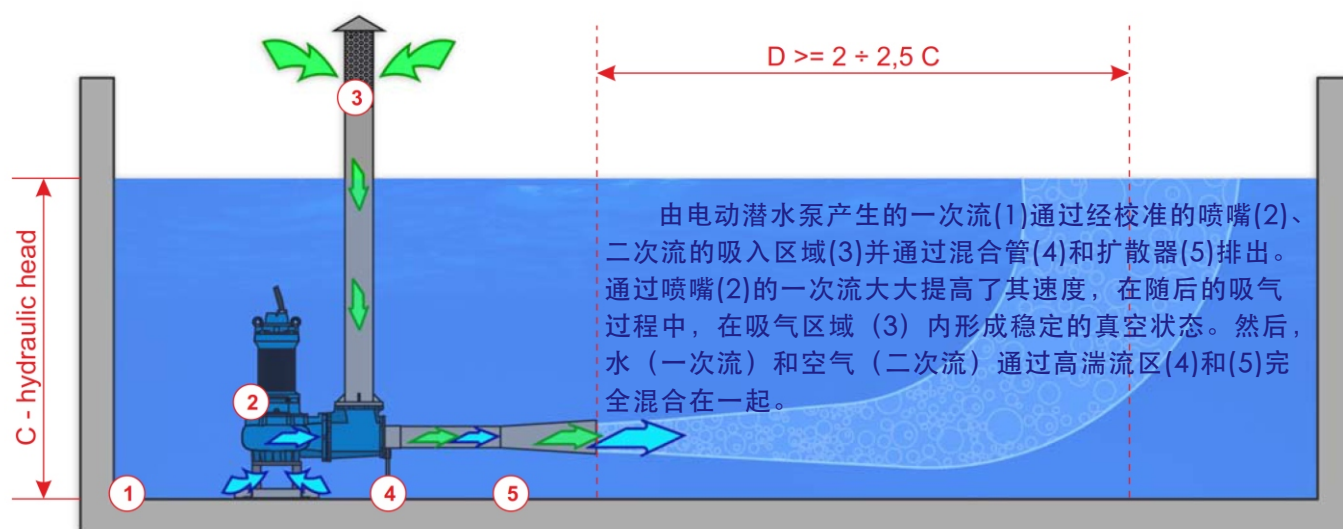
1. 具体装机功率（W/m³）足以保证整个容积的有效混合。

对于污泥含量小于1%和小于3.5%的圆形储罐，最小要求功率必须分别大于25 W/m³和大于40 W/m³。对于方形、矩形或特定形状大于30 W/m³且大于60 W/m³的储罐。具体装机功率不得大于80 W/m³。

2. 喷射器出口部分或墙壁之间的距离，或最近的障碍物之间的距离，必须比门大2.5倍。如有必要，使用成对运行的较小OJ装置。一台OJ的射流与另一台机组的吸力之间的距离不小于门的2.5倍。OJ单元之间的最大距离不大于门的8倍。如有必要，安装两个或多个装置或使用搅拌机。

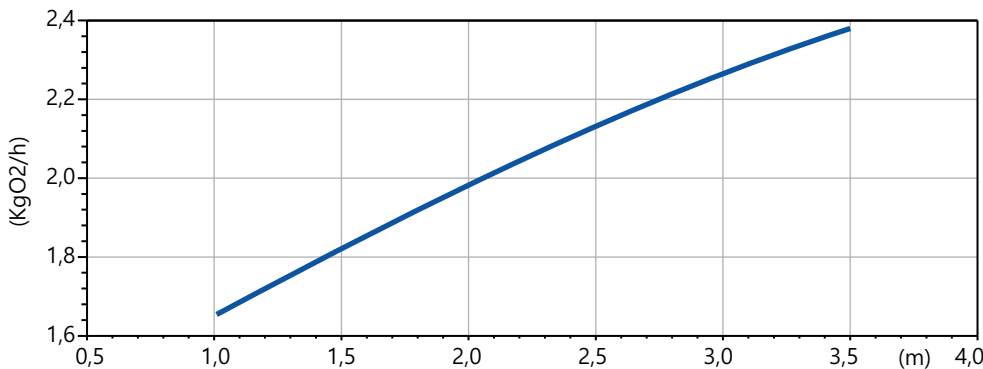
3. OJS的射流不会互相指向对方，也不会与安装在储罐中的其他混合装置产生的气流反向工作。



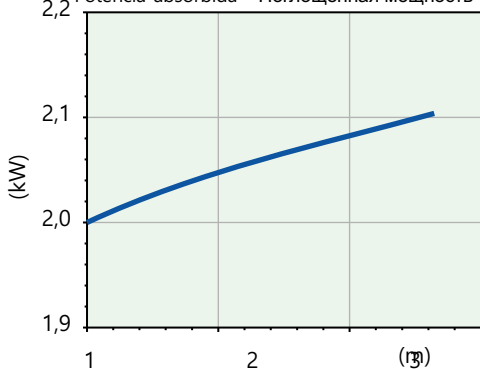


Curve	Type	Power supply	Rot. speed r.p.m.	Impeller	Rated power P2 kW	Rated current A	Pump type
1	OJ128-80	3ph 400V 50Hz	1392	M	2,8	5,4	G409T1M1-M76AA0
2	OJ146-100	3ph 400-690V 50Hz	1401	C	4,6	9,3	G410R2C2-P80AA2
3	OJ172-100	3ph 400-690V 50Hz	1401	C	6	11,5	G411R2C2-P60AA2
4	OJ1120-100	3ph 400-690V 50Hz	1436	C	11,6	21,6	G413R2C1-P80AA2
5	OJ1129-150	3ph 400-690V 50Hz	1436	M	12,9	24,1	G413R1M2-S100AA2
6	OJ2230-200	3ph 400-690V 50Hz	960	C	23	40,6	G616R3C 1-T102AA2
7	OJ2290-250	3ph 400-690V 50Hz	960	C	29	52,8	G618R3C 3-V10 5AA2
8	OJ3400-250	3ph 400-690V 50Hz	965	C	39,2	71	G620R3C2-V105AA2

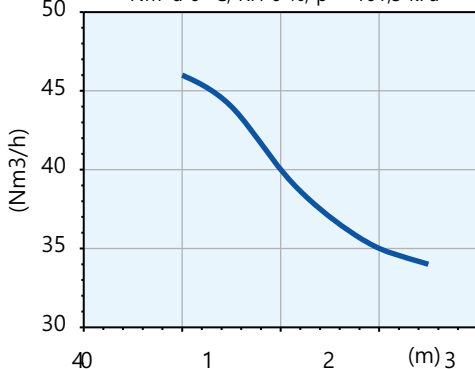
SOTR



Potenza Assorbita - Absorbed Power P1
Puissance Absorbée - Leistungsaufnahme P1
Potencia absorbida - Поглощенная мощность P1



Aria Aspirata - Suction Air - L'air D'aspiration
Saugluft - Succión De Aire - Аспирированный воздух
Nm³ a 0 °C, RH 0 %, p = 101,3 kPa



Battente idraulico -Hydraulic head - Charge hydraulique- Hydraulischen Belastung
Cabezal hidráulico -Аспирированный воздух

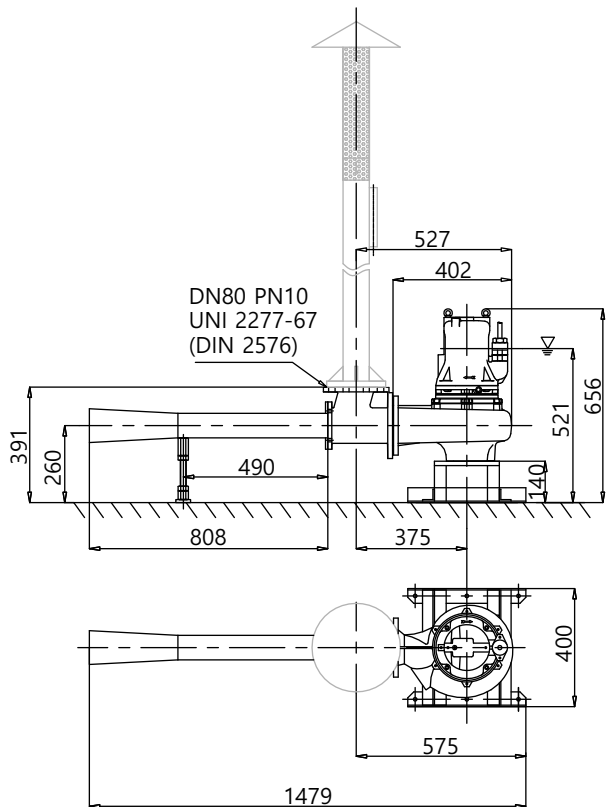
OJ 128-80

Code	4008136
Type	OJ128-80
Rated Power P2 (kW)	2,8
Rated Current I (A)	5,4
Starting Current Is (A)	24,3
Pump type	G409T1M1-M76AA0
Power supply	3ph 400V 50Hz
R.P.M.	1392
Free passage (mm)	76
Suction (mm)	DN 80
Weight (Kg)	105
Cable	H07RN/F 4G2,5

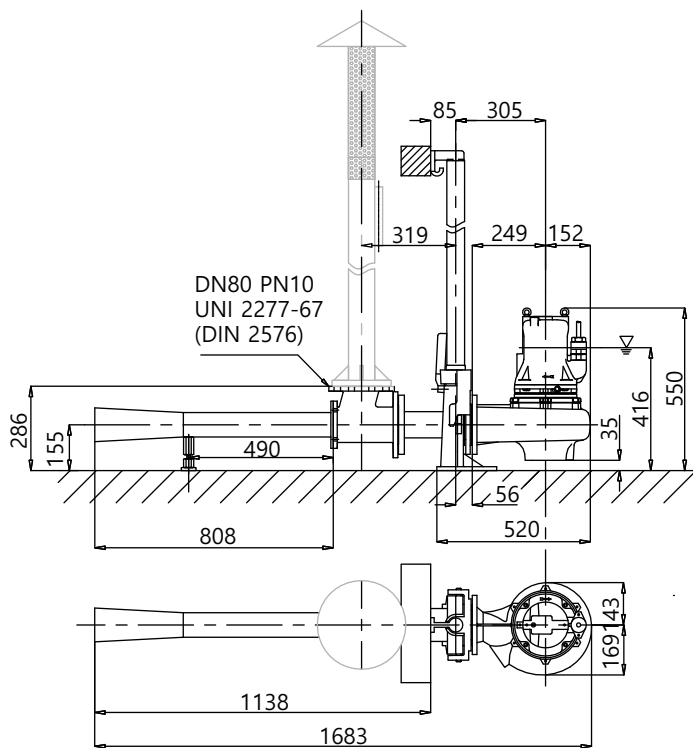
⁴SOTR OBTAINED FOLLOWING
STANDARD UNI EN 12255-15:2004

Dimensioni - Dimensions - Dimensions - Abmessungen Dimensiones Габариты (mm)

Standard con piede appoggio -Standard with x-foot rest
Standard avec socle -Standard mit Bodenstützring
Estándar con trípode de apoyo -Стандар.свободная установка насоса

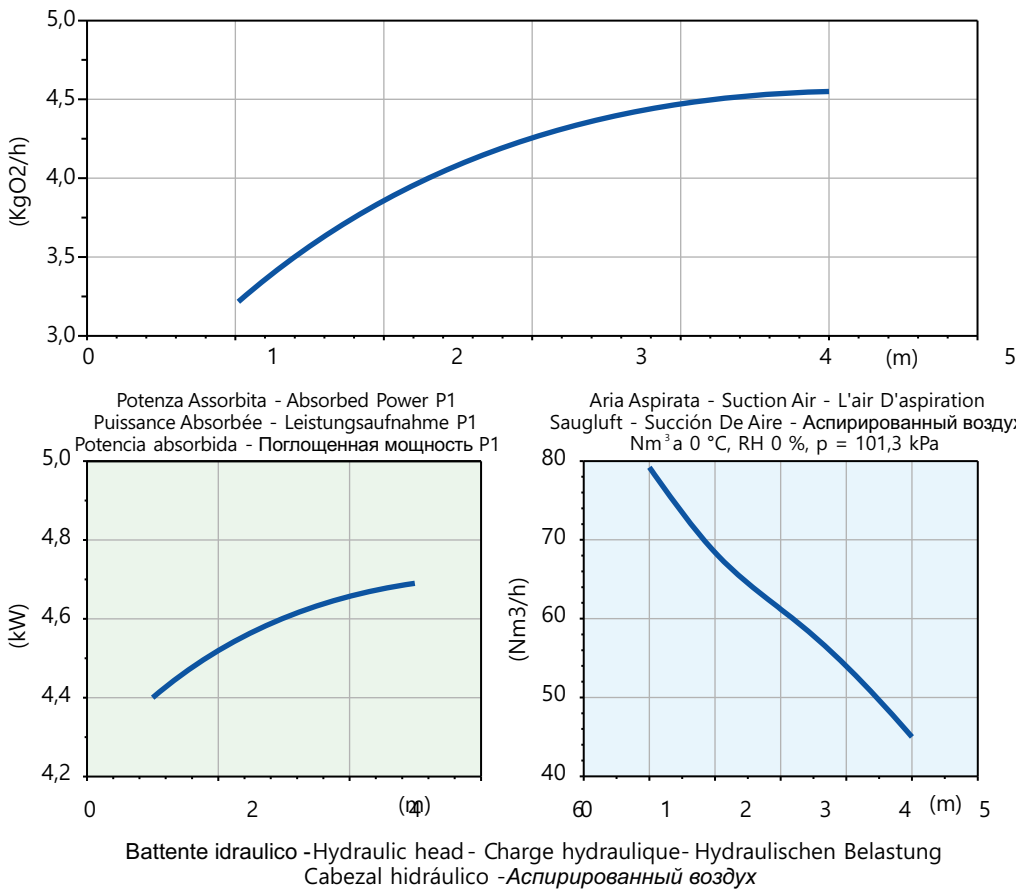


Versione completa di accoppiamento -Coupling foot version
Version avec pied d'assise -Version mit Kupplungsfuss
Versión con pie acoplamiento -Версия с автоматической муфтой



LIVELLO MINIMO DI SOMMERGIBILITÀ -MINIMUM SUBMERSIBLE LEVEL - NIVEAU MINIMUM D'IMMERSION
MINDESTWASSERSTAND - NIVEL SUMERGIBLE MÍNIMO - МИНИМАЛЬНАЯ ГЛУБИНА ПОГРУЖЕНИЯ

SOTR



OJ 146-100

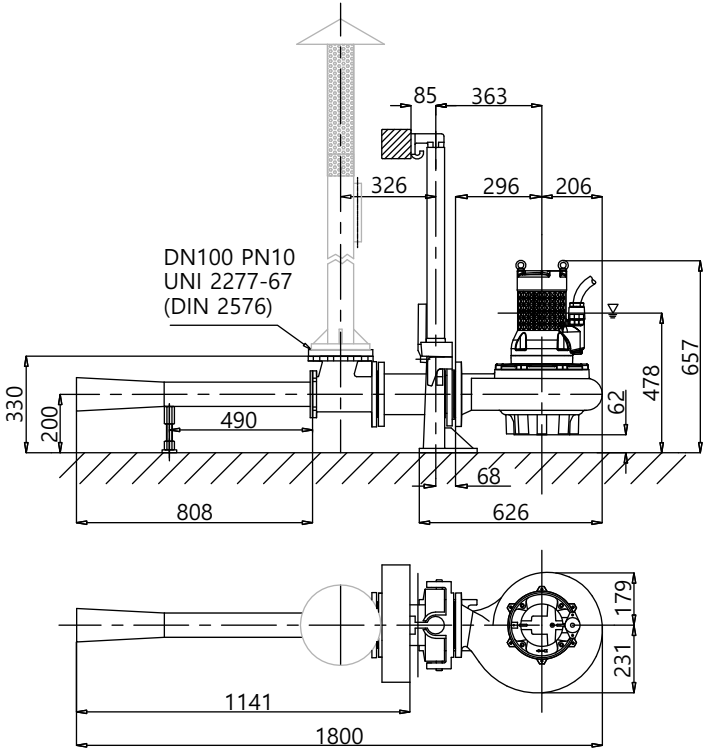
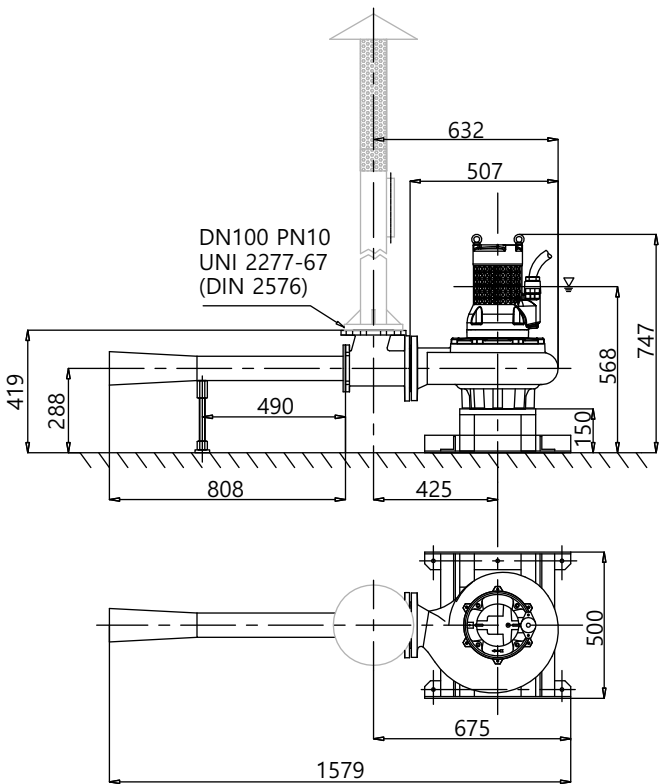
Code	4008157
Type	OJ146-100
Rated Power P2 (kW)	4,6
Rated Current I (A)	9,3
Starting Current Is (A)	46,5
Pump type	G410R2C2-P80AA2
Power supply	3ph 400/690V 50Hz
R.P.M.	1401
Free passage (mm)	80
Suction (mm)	DN 100
Weight (Kg)	152
Cable	H07RN/F 12G1,5

⁶ SOTR OBTAINED FOLLOWING
STANDARD UNI EN 12255-15:2004

Dimensioni - Dimensions - Dimensions - Abmessungen Dimensiones Габариты (mm)

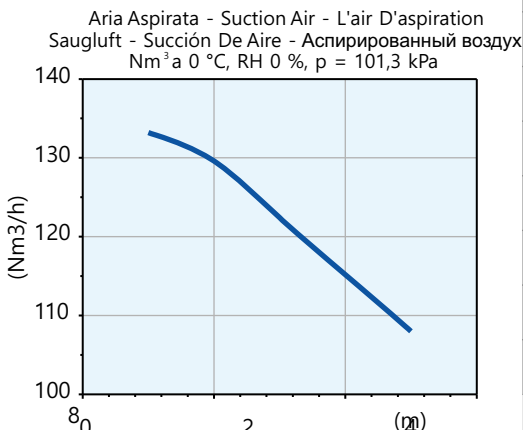
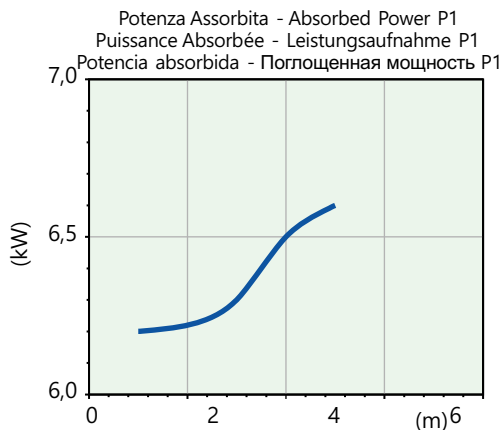
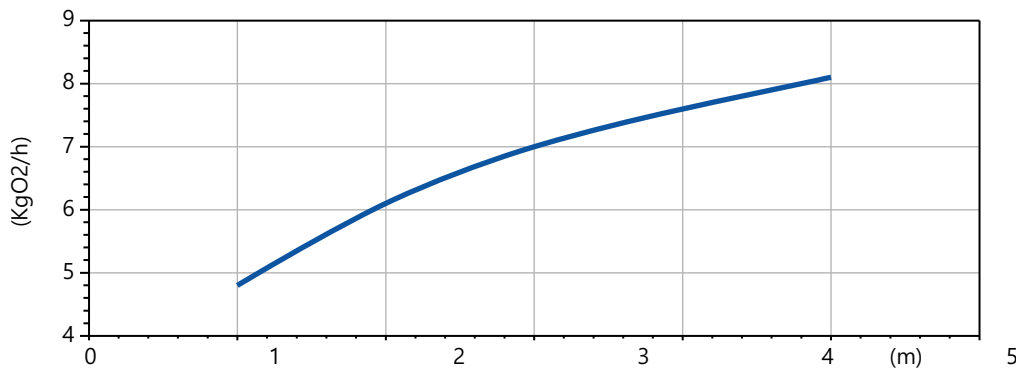
Standard con piede appoggio -Standard with x-foot rest
Standard avec socle -Standard mit Bodenstützring
Estándar con trípode de apoyo -Стандар.свободная установка насоса

Versione con piede di accoppiamento rapido -Coupling foot version
Version avec pied d'assise -Version mit Kupplungsfuss
Versión con pie acoplamiento -Версия с автоматической муфтой



LIVELLO MINIMO DI SOMMERGIBILITÀ -MINIMUM SUBMERSIBLE LEVEL - NIVEAU MINIMUM D'IMMERSION
MINDESTWASSERSTAND - NIVEL SUMERGIBLE MÍNIMO - МИНИМАЛЬНАЯ ГЛУБИНА ПОГРУЖЕНИЯ

SOTR



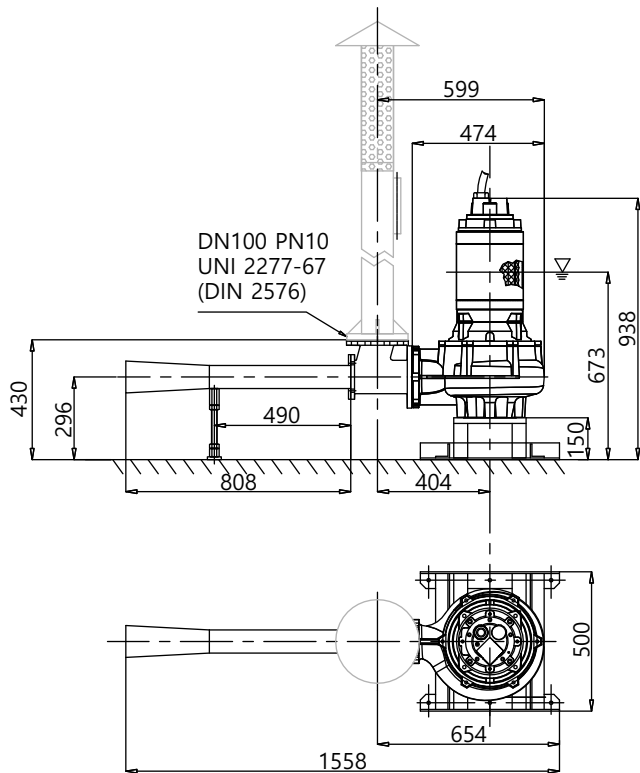
Battente idraulico -Hydraulic head - Charge hydraulique- Hydraulischen Belastung
Cabezal hidráulico -Аспирированный воздух

OJ 172-100

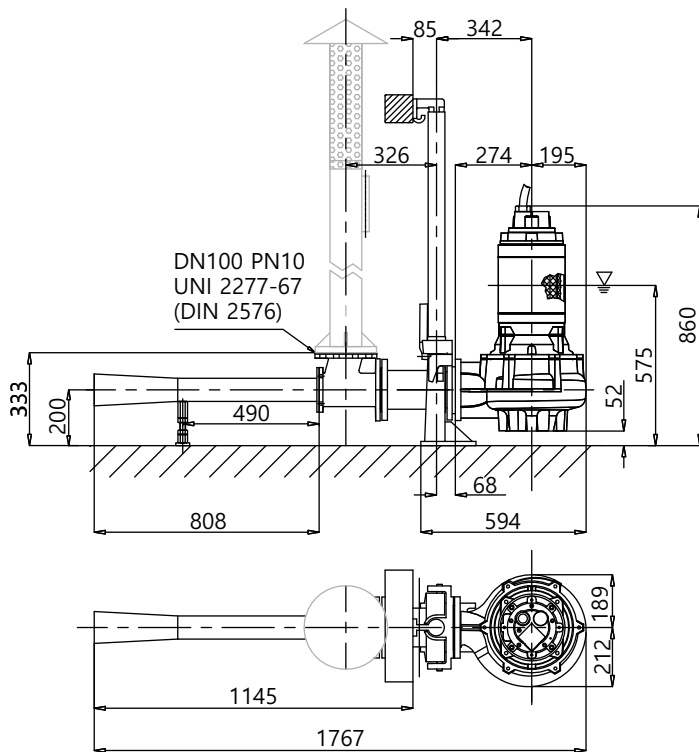
Code	4008159
Type	OJ172-100
Rated Power P2 (kW)	6
Rated Current I (A)	11,5
Starting Current Is (A)	67,8
Pump type	G411R2C2-P60AA2
Power supply	3ph 400/690V 50Hz
R.P.M.	1401
Free passage (mm)	60
Suction (mm)	DN 100
Weight (Kg)	180
Cable	H07RN/F 12G2,5
SOTR OBTAINED FOLLOWING STANDARD UNI EN 12255-15:2004	

Dimensioni - Dimensions - Dimensions - Abmessungen Dimensiones Габариты (mm)

Standard con piede appoggio -Standard with x-foot rest
Standard avec socle -Standard mit Bodenstützring
Estándar con trípode de apoyo -Стандар.свободная установка насоса

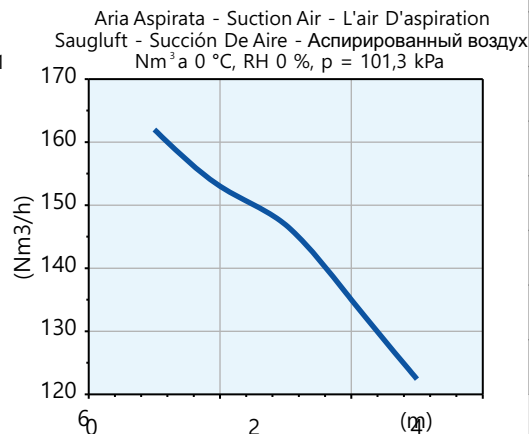
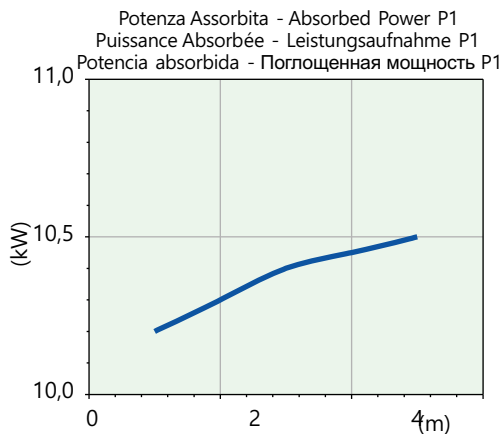
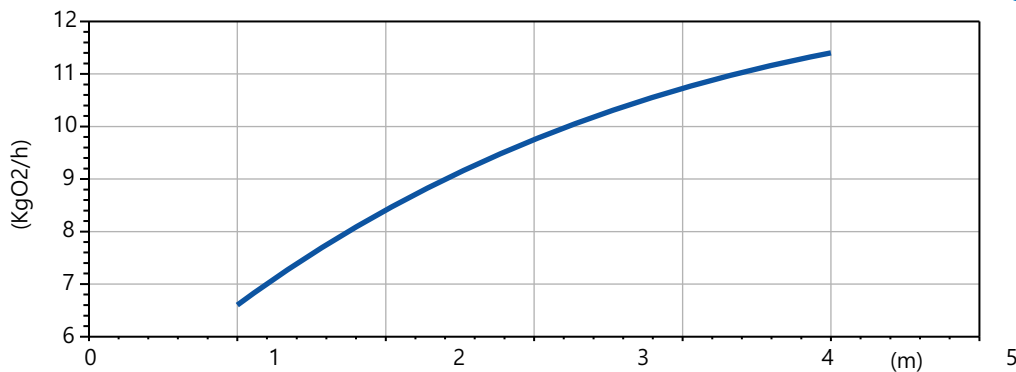


Versione con piede di accoppiamento rapido -Coupling foot version
Version avec pied d'assise -Version mit Kupplungsfuss
Versión con pie acoplamiento -Версия с автоматической муфтой



LIVELLO MINIMO DI SOMMERGIBILITÀ -MINIMUM SUBMERSIBLE LEVEL - NIVEAU MINIMUM D'IMMERSION
MINDESTWASSERSTAND -NIVEL SUMERGIBLE MÍNIMO - NÍVEL MÍNIMO DE SUBMERGIBILIDADE

SOTR



Battente idraulico -Hydraulic head - Charge hydraulique- Hydraulischen Belastung
Cabezal hidráulico -Аспирированный воздух

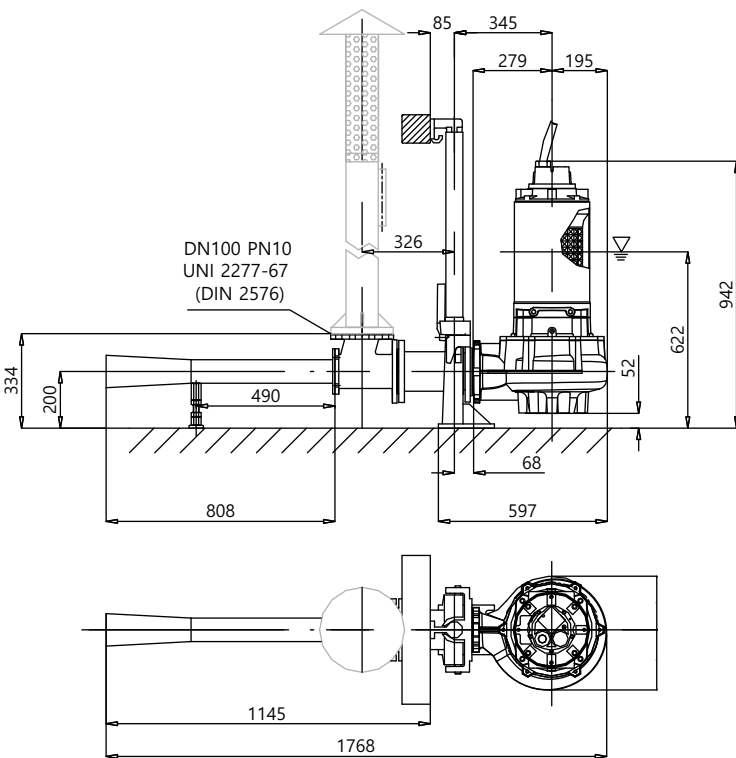
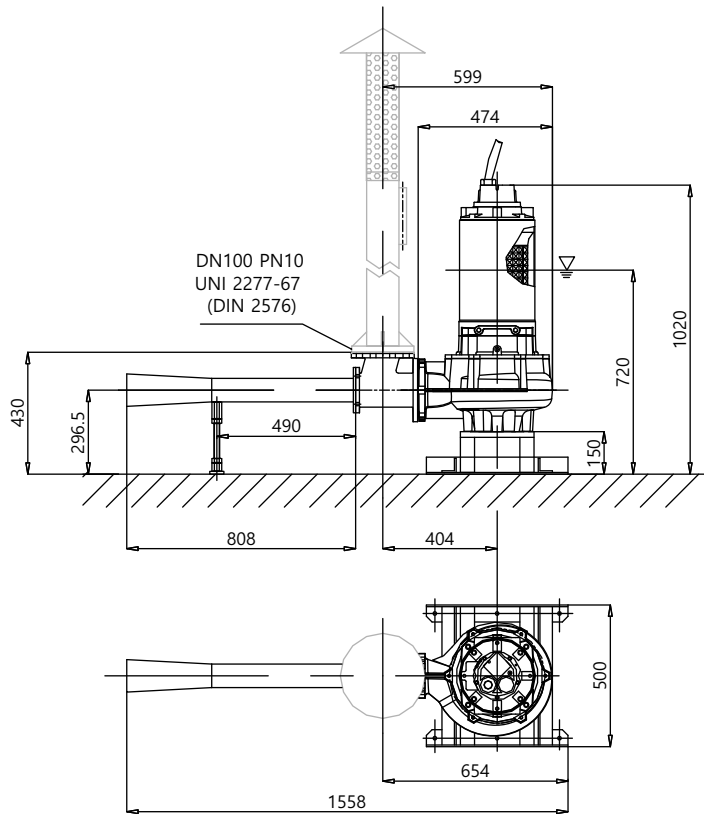
OJ 1120-100

Code	4005011
Type	OJ1120-100
Rated Power P2 (kW)	11,6
Rated Current I (A)	21,6
Starting Current Is (A)	127
Pump type	G413R2C1-P80AA2
Power supply	3ph 400/690V 50Hz
R.P.M.	1436
Free passage (mm)	80
Suction (mm)	DN 100
Weight (Kg)	250
Cable	H07RN/F 12G2,5
SOTR OBTAINED FOLLOWING STANDARD UNI EN 12255-15:2004	

Dimensioni - Dimensions - Dimensions - Abmessungen Dimensiones Габариты (mm)

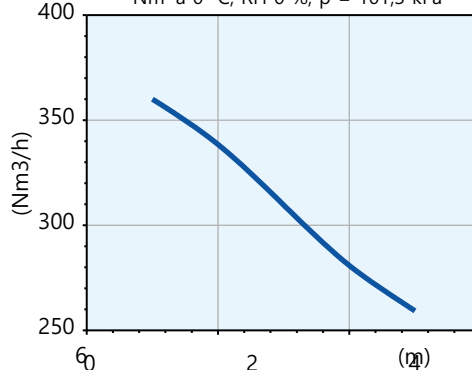
Standard con piede appoggio -Standard with x-foot rest
Standard avec socle -Standard mit Bodenstützring
Estándar con trípode de apoyo -Стандар.свободная установка насоса

Versione con piede di accoppiamento rapido -Coupling foot version
Version avec pied d'assise -Version mit Kupplungsfuss
Versión con pie acoplamiento -Версия с автоматической муфтой



LIVELLO MINIMO DI SOMMERGIBILITÀ -MINIMUM SUBMERSIBLE LEVEL - NIVEAU MINIMUM D'IMMERSION
MINDESTWASSERSTAND - NIVEL SUMERGIBLE MÍNIMO - МИНИМАЛЬНАЯ ГЛУБИНА ПОГРУЖЕНИЯ

OJ 1129-150



Code	4004995
Type	OJ1129-150
Rated Power P2 (kW)	12,9
Rated Current I (A)	24,1
Starting Current Is (A)	142
Pump type	G413R1M2-S100AA2
Power supply	3ph 400/690V 50Hz
R.P.M.	1436
Free passage (mm)	100
Suction (mm)	DN 150
Weight (Kg)	340
Cable	H07RN/F 12G2,5

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 STANDARD UNI EN 12255-15:2004

Dimensioni - Dimensions - Dimensions - Abmessungen Dimensiones Габариты (mm)

Technical drawing of the DN150 PN10 UNI 2277-67 (DIN 2576) valve assembly, showing side and front views with dimensions.

Side View Dimensions:

- Overall height: 1089
- Height from base to top of valve body: 737
- Height from base to top of actuator: 76
- Height from base to top of handwheel: 29
- Height from base to top of stem: 255
- Overall width: 441
- Distance from base to center of stem: 1272
- Distance from base to center of valve body: 815
- Distance from base to center of actuator: 53
- Distance from base to center of handwheel: 385
- Distance from base to center of stem: 29
- Distance from base to center of valve body: 85
- Distance from base to center of actuator: 453
- Distance from base to center of handwheel: 400
- Distance from base to center of stem: 273

Front View Dimensions:

- Overall width: 2523
- Distance from base to center of stem: 1713
- Distance from base to center of valve body: 304
- Distance from base to center of actuator: 239

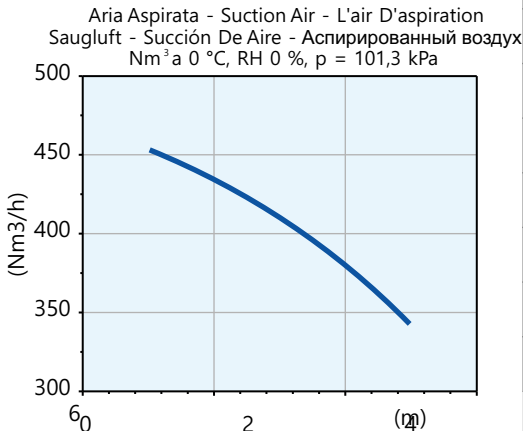
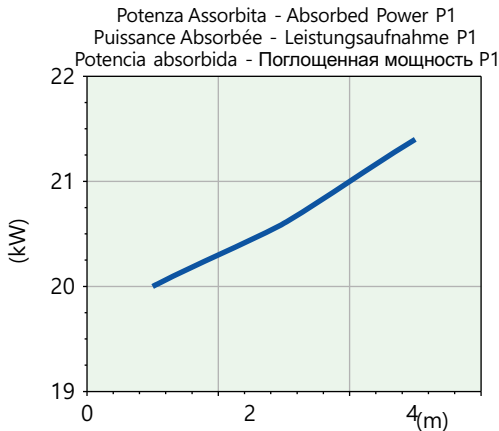
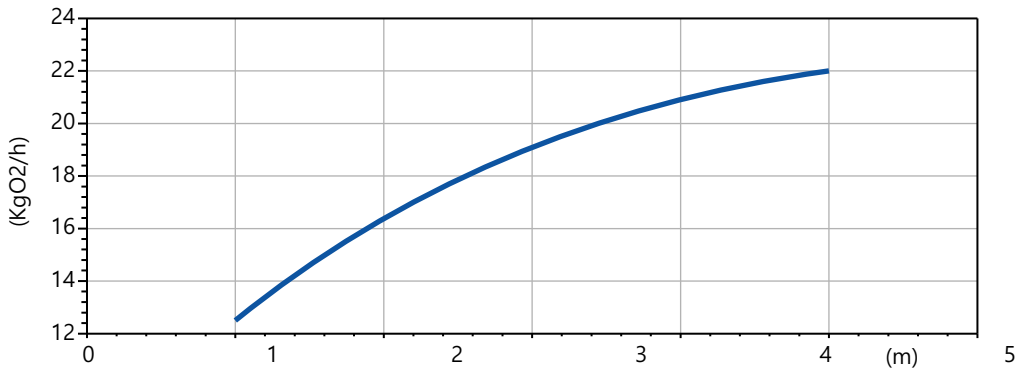
Labels:

- DN150 PN10
- UNI 2277-67
- (DIN 2576)



SOTR

OJ 2230-200

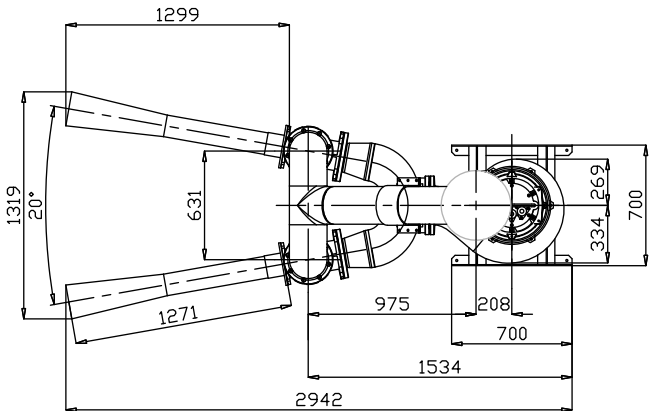
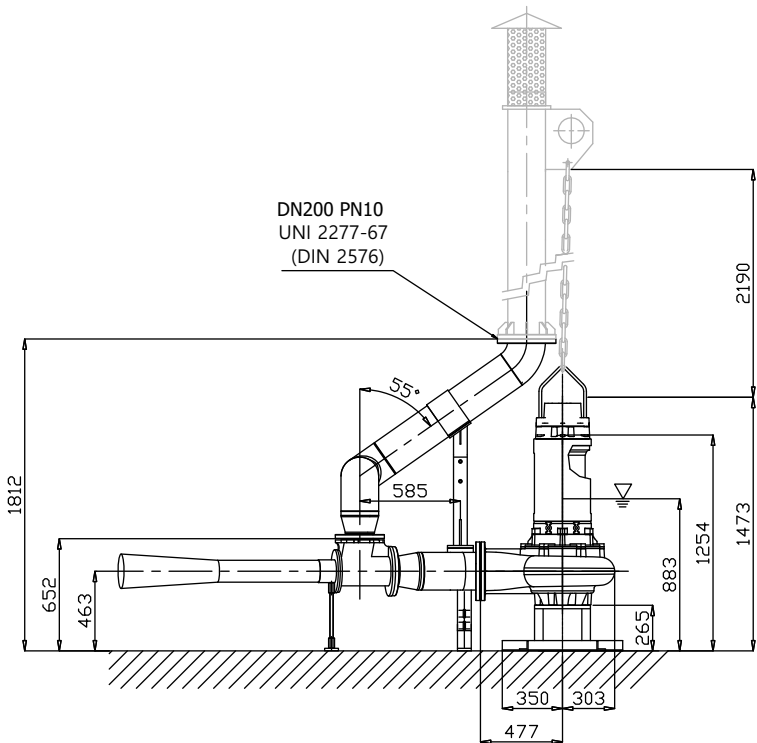


Battente idraulico -Hydraulic head - Charge hydraulique- Hydraulischen Belastung
Cabezal hidráulico -Аспирированный воздух

Code	4001481
Type	OJ2230-200
Rated Power P2 (kW)	23
Rated Current I (A)	40,6
Starting Current Is (A)	239
Pump type	G616R3C1-T102AA2
Power supply	3ph 400/690V 50Hz
R.P.M.	960
Free passage (mm)	102
Suction (mm)	DN 200
Weight (Kg)	680
Cable	H07RN/F 10G4

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STANDARD UNI EN 12255-15:2004

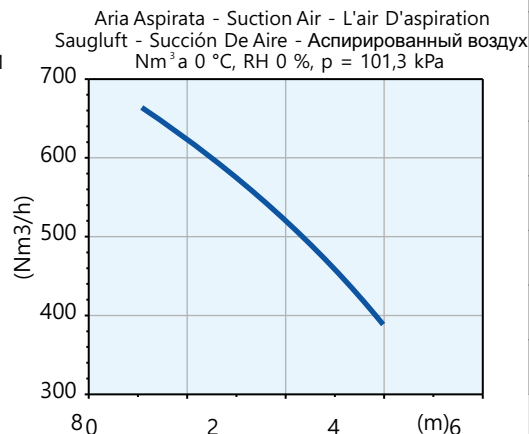
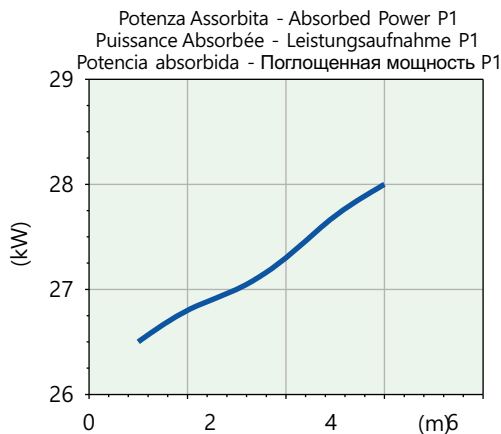
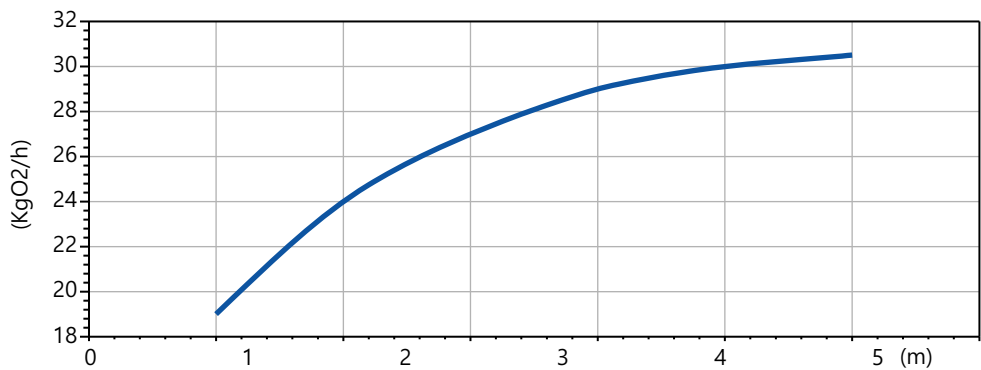
Dimensioni - Dimensions - Dimensions - Abmessungen Dimensiones Габариты (mm)



LIVELLO MINIMO DI SOMMERGIBILITÀ -MINIMUM SUBMERSIBLE LEVEL - NIVEAU MINIMUM D'IMMERSION
MINDESTWASSERSTAND - NIVEL SUMERGIBLE MÍNIMO - МИНИМАЛЬНАЯ ГЛУБИНА ПОГРУЖЕНИЯ

OJ 2290-250

SOTR

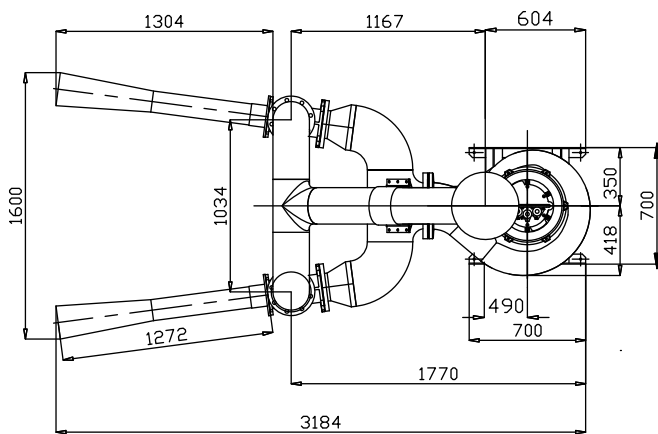
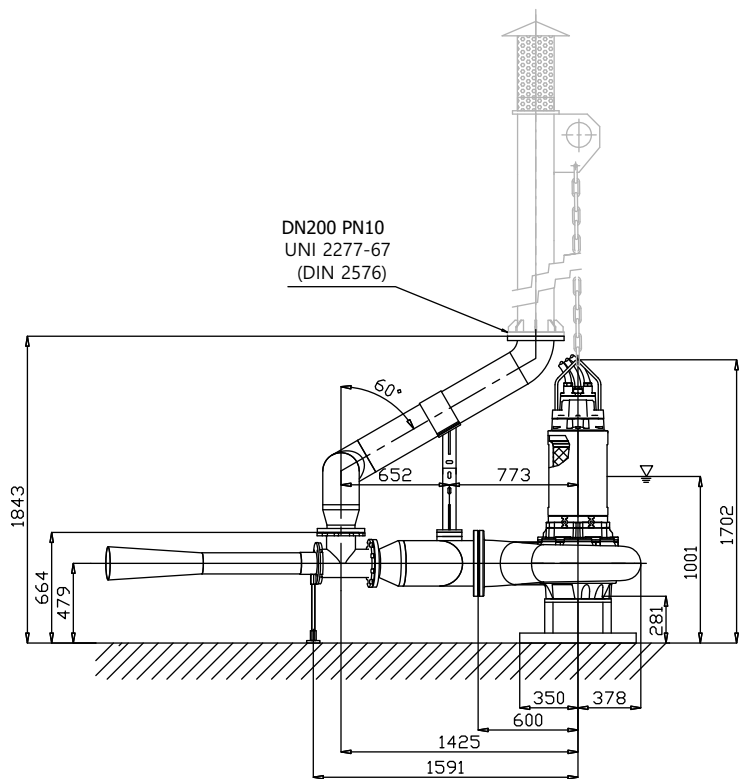


Battente idraulico -Hydraulic head - Charge hydraulique- Hydraulischen Belastung
Cabezal hidráulico -Аспирированный воздух

Code	4004883
Type	OJ2290-250
Rated Power P2 (kW)	29
Rated Current I (A)	52,8
Starting Current Is (A)	311
Pump type	G618R3C3-V105AA2
Power supply	3ph 400/690V 50Hz
R.P.M.	960
Free passage (mm)	105
Suction (mm)	DN 250
Weight (Kg)	1020
Cable	H07RN/F 2x4G10+4G2,5

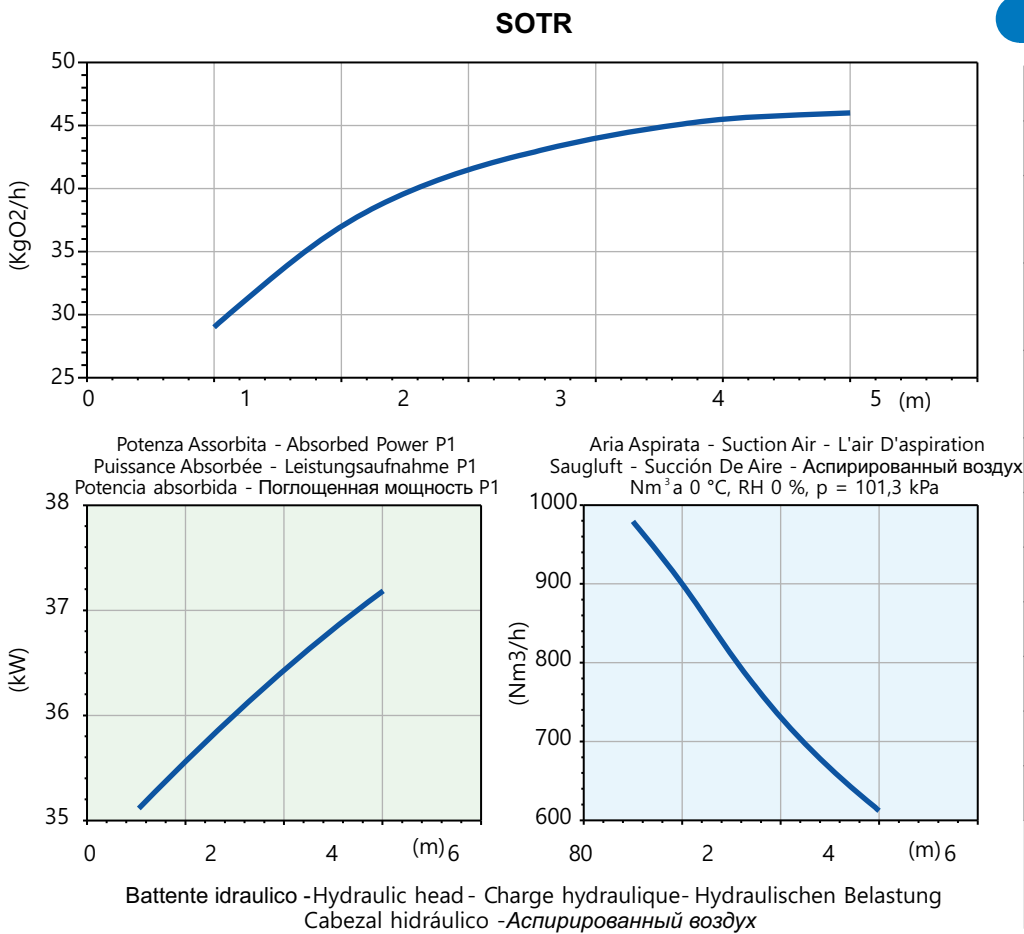
⁸SOTR OBTAINED FOLLOWING
STANDARD UNI EN 12255-15:2004

Dimensioni - Dimensions - Dimensions - Abmessungen Dimensiones Габариты (mm)



LIVELLO MINIMO DI SOMMERGIBILITÀ -MINIMUM SUBMERSIBLE LEVEL - NIVEAU MINIMUM D'IMMERSION
MINDESTWASSERSTAND - NIVEL SUMERGIBLE MÍNIMO - МИНИМАЛЬНАЯ ГЛУБИНА ПОГРУЖЕНИЯ

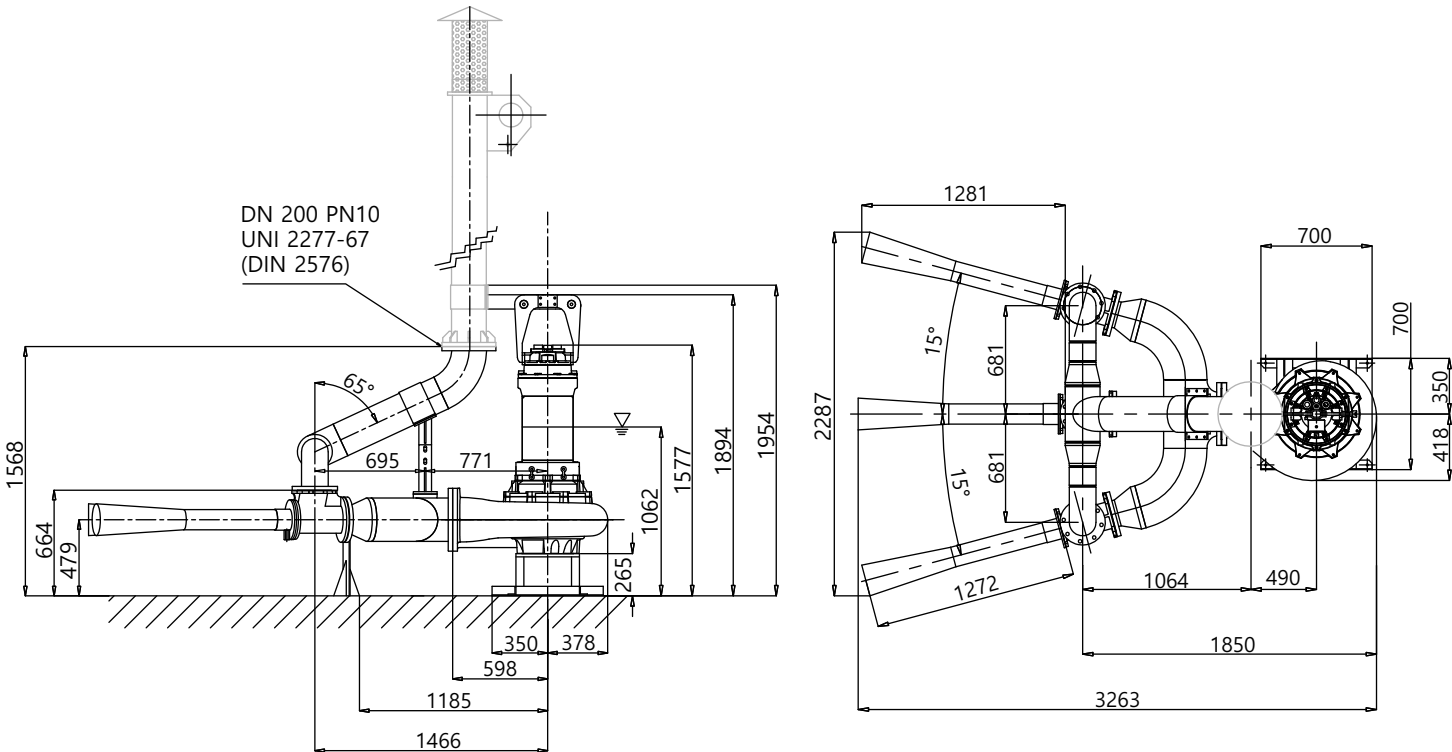
OJ 3400-250



Code	4008213
Type	OJ3400-250
Rated Power P2 (kW)	39,2
Rated Current I (A)	71
Starting Current Is (A)	419
Pump type	G620R3C2-V105AA2
Power supply	3ph 400/690V 50Hz
R.P.M.	965
Free passage (mm)	105
Suction (mm)	DN 200
Weight (Kg)	1380
Cable	H07RN/F 2x4G10+4G2,5

⁸SOTR OBTAINED FOLLOWING
STANDARD UNI EN 12255-15:2004

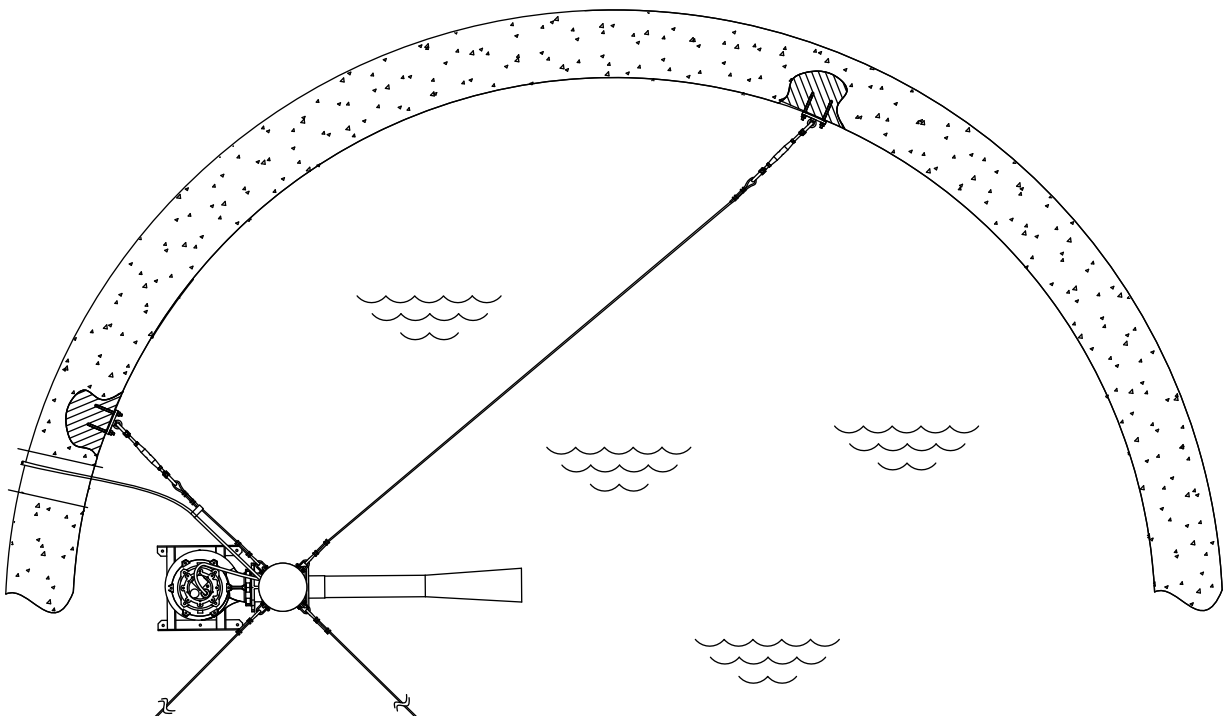
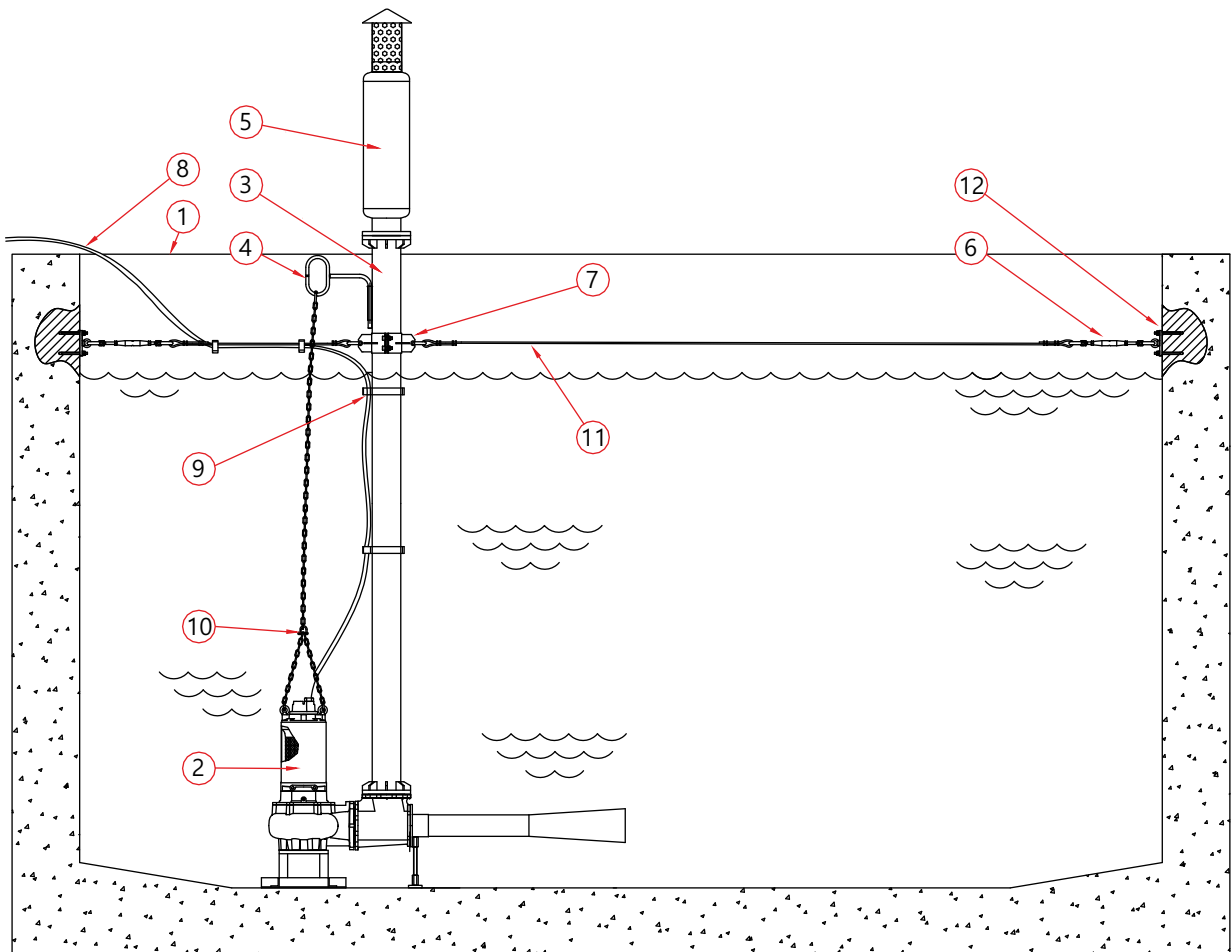
Dimensioni - Dimensions - Dimensions - Abmessungen Dimensiones Габариты (mm)



LIVELLO MINIMO DI SOMMERGIBILITÀ - MINIMUM SUBMERSIBLE LEVEL - NIVEAU MINIMUM D'IMMERSION
MINDESTWASSERSTAND - NIVEL SUMERGIBLE MÍNIMO - МИНИМАЛЬНАЯ ГЛУБИНА ПОГРУЖЕНИЯ

Esempio di installazione - Installation example- Exemple d'installation
Installationsbeispiel- Ejemplo de instalaciónПример установки

- | | | |
|-------------------------|---------------------|-------------------------|
| 1 - Oxidation tank | 5 - Silencer | 9 - Cable Suporter |
| 2 - Submersible aerator | 6 - Tightener | 10 - Lifting chain |
| 3 - Suction pipe | 7 - Mooring bracket | 11 - Mooring rope |
| 4 - Lifting Hook | 8 - Electric cable | 12 - System wall Fixing |



REF.	Description							
A	Submersible Pump							
B	Suction pipe							
C	Lifting hook							
D	Leaf-screen protection							
E	Flanged suction pipe							
F	Silencer							
G	Support foot							
H	Coupling foot							
I	Coupling extension							
L	Ejector							
M	Mooring bracket							
N	Guide rail 2"							
O	Ejector discharge pipe							
REF.	Description	Suction DN	Galvanized steel code	h1 [mm]	Øt [mm]	H1 [mm]	ØD [mm]	Weight [kg]
B+C	Suction pipe	G1" 1/4	TA1" 1/4Z	5000	42,4	-	-	10
		DN80 PN10	TA80Z	5000	88,9	-	-	33
		DN100 PN10	TA100Z	5000	114,3	-	-	42
		DN125 PN10	TA125Z	5000	141,3	-	-	50
		DN150 PN10	TA150Z	5000	168,3	-	-	62
B **	DN200 PN10	TA200Z	5000	219,1	-	-	115	
REF.	Description	Suction DN	AISI 304 code	h1 [mm]	Øt [mm]	H1 [mm]	ØD [mm]	Weight [kg]
B+C+D	Suction pipe	G1" 1/4	TA1" 1/4X	5000	42,4	-	-	10
		DN80 PN10	TA80X	5000	88,9	5437	300	33
		DN100 PN10	TA100X	5000	114,3	5437	300	42
		DN125 PN10	TA125X	5000	141,3	5437	300	50
		DN150 PN10	TA150X	5000	168,3	5457	356	65
B+D **	DN200 PN10	TA200X	5000	219,1	5500	356	115	
REF.	Description	Suction DN	Galvanized steel code	AISI 304 code	h2 [mm]	Øt [mm]	Weight [kg]	
E+C	Flanged suction pipe	DN80 PN10	TAF80Z	TAF80X	5000	88,9	37	
		DN100 PN10	TAF100Z	TAF100X	5000	114,3	47	
		DN125 PN10	TAF125Z	TAF125X	5000	141,3	57	
		DN150 PN10	TAF150Z	TAF150X	5000	168,3	73	
E**	DN200 PN10	TAF200Z	TAF200X	5000	219,1	126		
** In suction pipe DN200 the component "C" is integrated								
REF.	Description	Suction DN	Painted steel code	AISI 304 code	Hs [mm]	ØS [mm]	Øs [mm]	Weight [kg]
F	Silencer	DN80 PN10	SIL80AV	SIL80X	1097	200	168	25
		DN100 PN10	SIL100AV	SIL100X	1143	220	204	32
		DN125 PN10	SIL125AV	SIL125X	1250	250	219	37
		DN150 PN10	SIL150AV	SIL150X	1333	285	273	44
		DN200 PN10	SIL200AV	SIL200X	1762	450	324	74
REF.	Description	Suction pump DN	Code	a [mm]	b [mm]	Weight [kg]		
G	Support skid	DN80 PN10	PAPDN080SP07	400	400	15		
		DN100 PN10	PAPDN100SP07	500	500	23		
		DN125 PN10	PAPDN125SP07	500	500	26		
		DN150 PN10	PAPDN150SP07	700	700	32		
		DN200 PN10	PAPDN200SP07	700	700	42		
REF.	Description	Suction pump DN	Code	c [mm]	d [mm]	Øi [mm]	Weight [kg]	
H+N	Coupling system	DN80	GPADN80	120	154	18	25	
		DN100	GPADN100	120	154	18	40	
		DN150	GPADN150	170	208	18	65	
REF.	Description	Code	Suction pump DN	Lt [mm]			Weight [kg]	
I	Coupling extension	TR080L200P01	DN80	200			10	
		TR100L200P01	DN100	200			13	
		TR1500L250P01	DN150	250			19	
REF.	Description	OJ Type	Code	Quantity	Suction DN	Le [mm]	Weight [kg]	
L+O	Ejector + discharge pipe	OJ128-80	VENT100-50	1	DN80	1028	10	
		OJ146-100	VENT100-55	1	DN100	1028	13	
		OJ172-100	VENT100-55	1	DN100	1028	13	
		OJ1129-150	VENT150-95	1	DN150	1492	19	
		OJ2230-200	VENT200-80	2	DN150	1492	19	
		OJ2290-250	VENT250-95	2	DN150	1492	19	
		OJ3400-250	VENT250-95	3	DN150	1492	19	
REF.	Description	Suction DN	Galvanized steel code	AISI 304 code	Øt [mm]	Weight [kg]		
M	Mooring bracket + tightener	DN80 PN10	SO80Z	SO80X	88,9	4		
		DN100 PN10	SO100Z	SO100X	114,3	5		
		DN125 PN10	SO125Z	SO125X	141,3	5.5		
		DN150 PN10	SO150Z	SO150X	168,3	6		
		DN200 PN10	SO200Z	SO200X	219,1	8		

