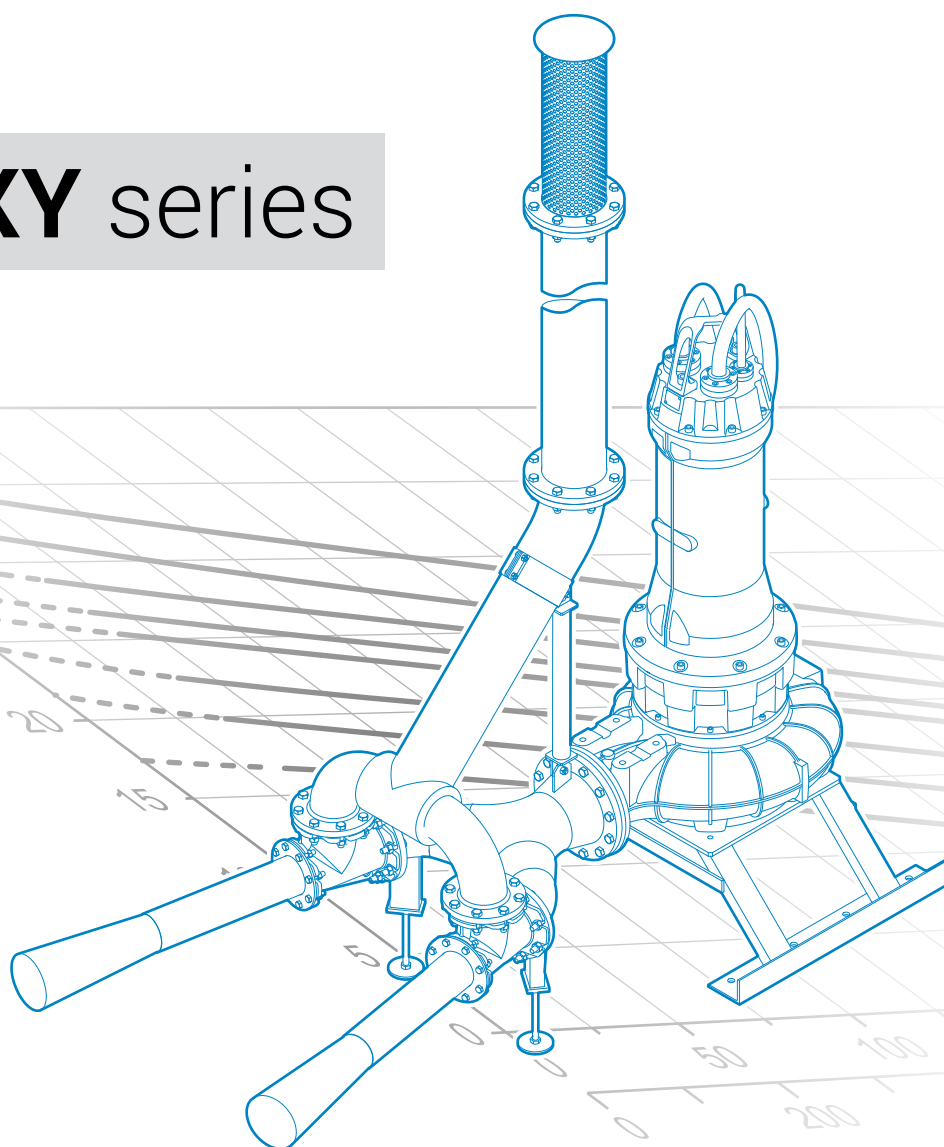




water solutions

50Hz

JET OXY series



D A T A B O O K L E T

zenit.com

EN



water solutions

JET OXY series



D A T A B O O K L E T

JET OXY series

JET OXY submerged oxygenation systems are used in industrial and other wastewater and sludge treatment plants, or whenever combined oxygenation and mixing are required. They consist of submersible pumps with power levels up to 30 kW and channel impellers with large free passage combined with "OXY" series ejectors.



JET OXY 50

pag. 5

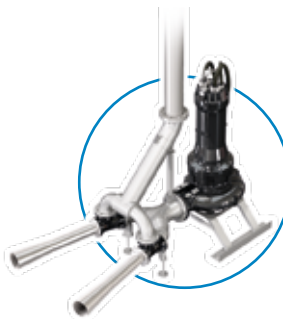
- Suitable for use with DRO (open channel impeller) and DGO (vortex impeller) pumps
- Three-phase motor 400V 50Hz 2 poles
- 0.37 ÷ 1.5 kW power
- Ø27 mm diaphragm
- Ø3/4" air intake pipe
- Cast iron OXY body (cone + integral diaphragm)



JET OXY 80 ÷ 150

pag. 8

- UNIQA series (channels impeller) or MAN series (single channel impeller) pumps
- Three-phase motor 400V 50Hz 4 poles
- 2.2 ÷ 15 kW power
- Ø55/95 mm diaphragm
- DN100/150 air intake pipe with flue filter
- Stainless steel diffuser cone



JET OXY 2x150

pag. 16

- UNIQA series (channels impeller)
- Three-phase motor 400V 50Hz 4 poles
- 15 ÷ 30 kW power
- Ø95 mm diaphragm
- DN200 air intake pipe
- Stainless steel double diffuser cone

Key to product code

J-OXY 2/35 ZUG OC 250H 30/4 AW 315 SA

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- ① Product name
J-OXY = aeration system
- ② Nr of ejectors
1 = 1 eiettore
2 = 2 eiettori
- ③ Air intake pipe lenght
35 = 3.5 m
50 = 5.0 m

- ④ Product name
ZUG = Zenit UNIQA
- ⑤ Type of impeller
OC = open channel

- ⑥ Discharge port diameter in mm
- ⑦ Hydraulic variant
- ⑧ Power in kW

- ⑨ Motor poles
- ⑩ Motor variant
- ⑪ Operating mode
D = Dry
W = Wet
- ⑫ Nominal diameter of impeller (in mm)
- ⑬ Holes for installation/accessories

JET OXY 50

J/OXY 1 DRO

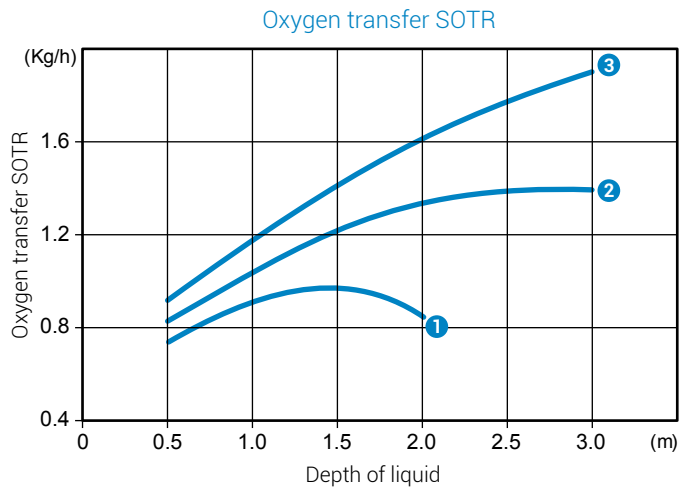
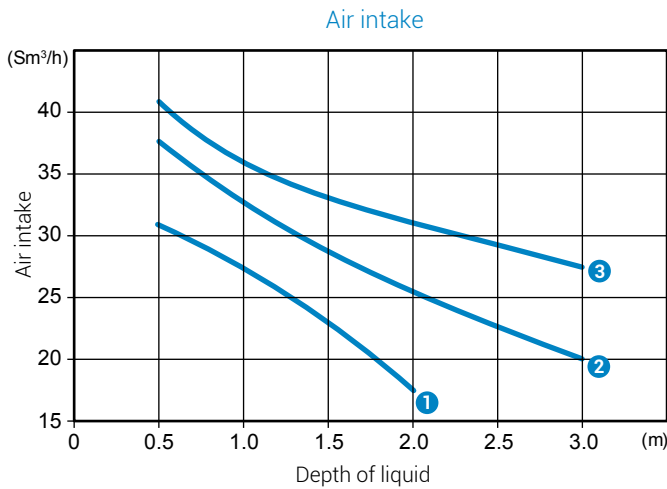
Models with DR hydraulic units for clean water

Characteristics

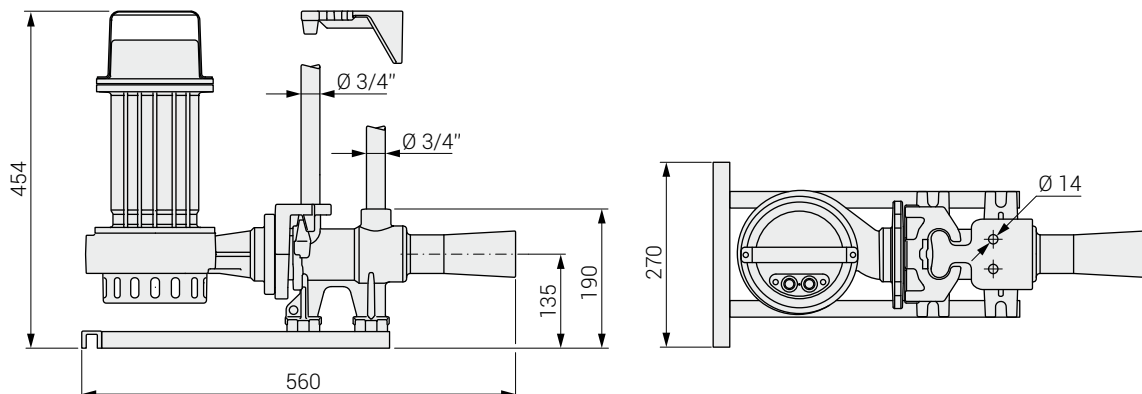
Curve	Model	EJECTOR			PUMP			
		nr.	Type	Ø diaphragm (mm)	Model	P2 (kW)	Poles	A
1	J/OXY 1 DRO 100/2	1	5027	27	DRO 100/2/G50H A	0.88	2	2.3
2	J/OXY 1 DRO 150/2	1	5027	27	DRO 150/2/G50H A	1.1	2	2.7
3	J/OXY 1 DRO 200/2	1	5027	27	DRO 200/2/G50H A	1.5	2	3.6

Power supply voltage 400V/3/50Hz

Performances



Dimensions



J/OXY 1 DGO

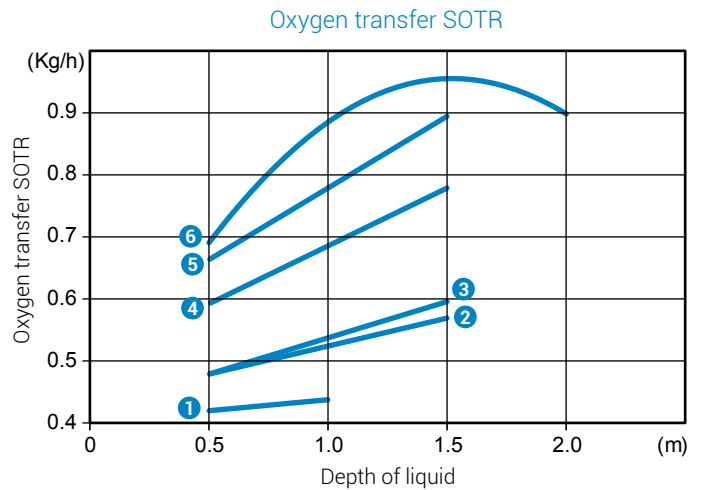
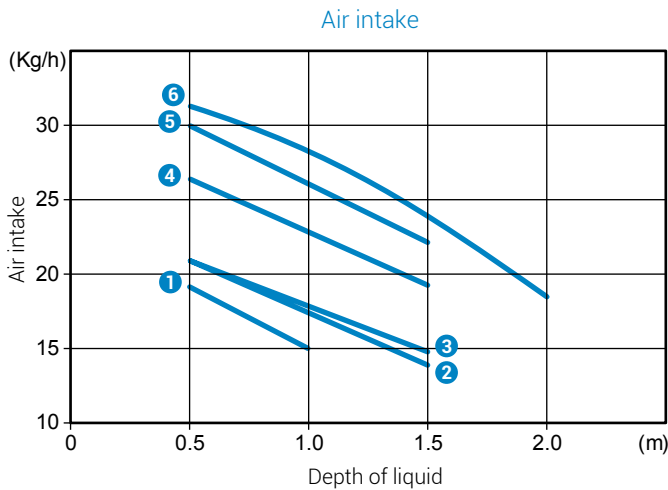
Models with DG hydraulic units for sewage liquids

Characteristics

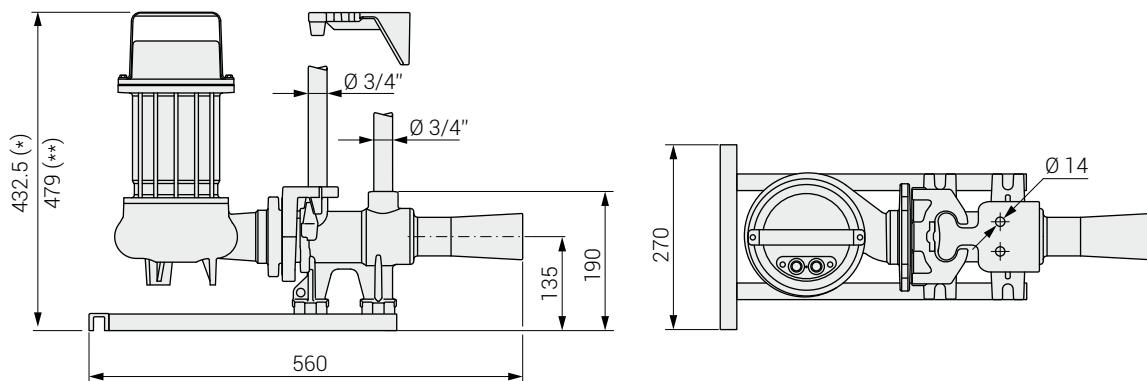
Curve	Model	EJECTOR			PUMP			
		nr	Type	Ø diaphragm (mm)	Model	P2 (kW)	Poles	A
1	J/OXY 1 DGO 50/2	1	5027	27	DGO 50/2/G50H A	0.37	2	1.1
2	J/OXY 1 DGO 75/2	1	5027	27	DGO 75/2/G50H A	0.55	2	1.4
3	J/OXY 1 DGO 100/4	1	5027	27	DGO 100/4/G50H A	0.7	4	2.2
4	J/OXY 1 DGO 100/2	1	5027	27	DGO 100/2/G50H A	0.88	2	2.3
5	J/OXY 1 DGO 150/2	1	5027	27	DGO 150/2/G50H A	1.1	2	2.5
6	J/OXY 1 DGO 200/2	1	5027	27	DGO 200/2/G50H A	1.5	2	3.6

Power supply voltage 400V/3/50Hz

Performances



Dimensions

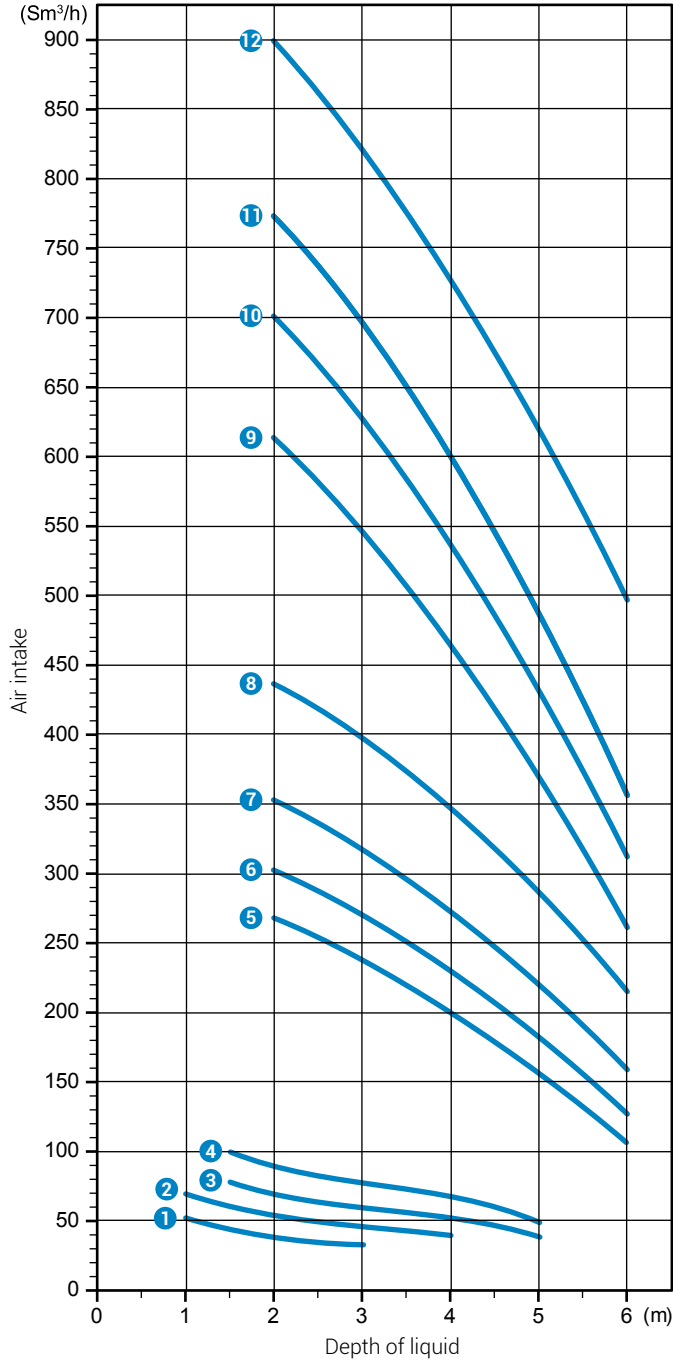


(*) DGO 50 - 75

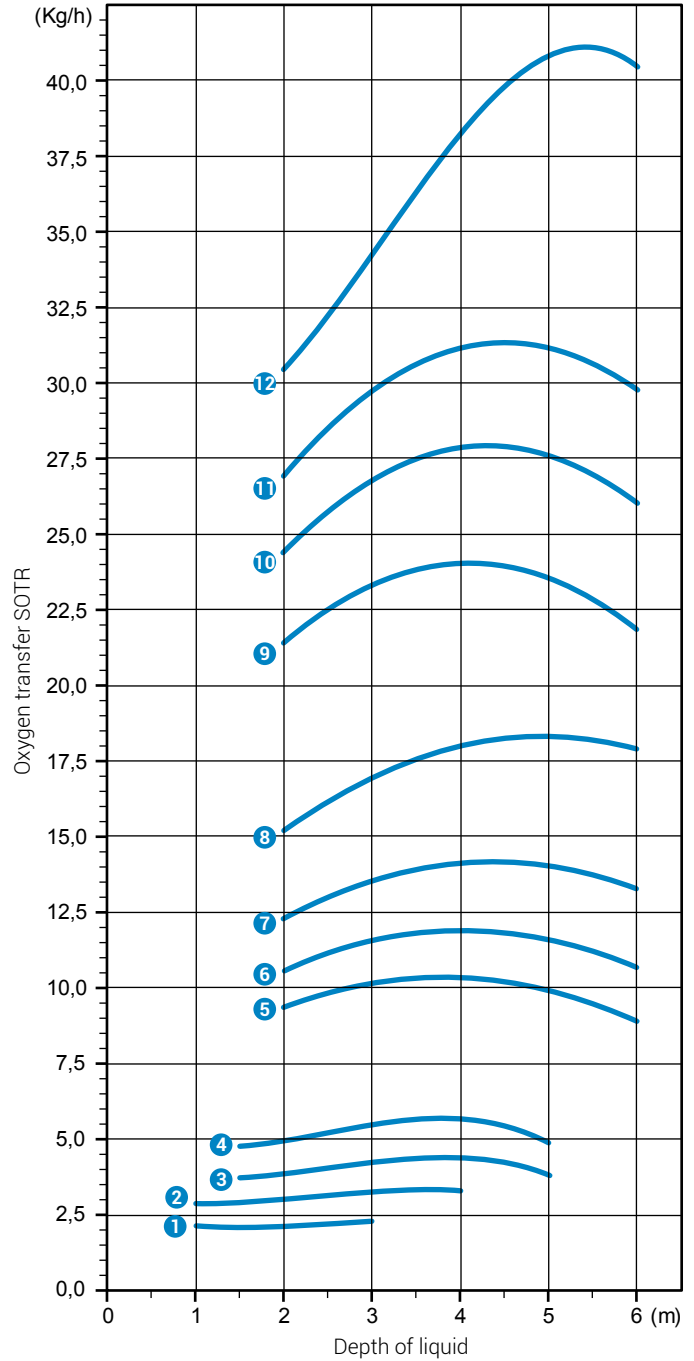
(**) DGO 100 - 150 - 200

JET OXY 80 ÷ 150 and JET OXY 2x150

Air intake



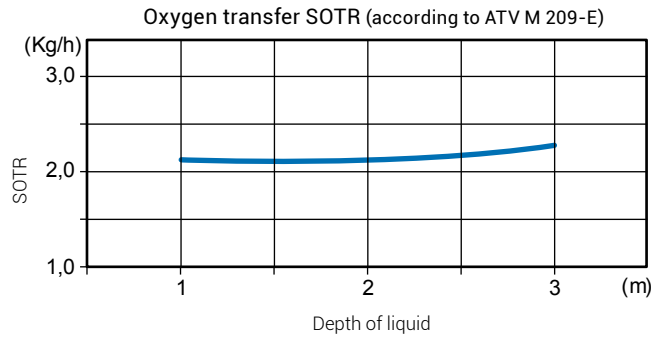
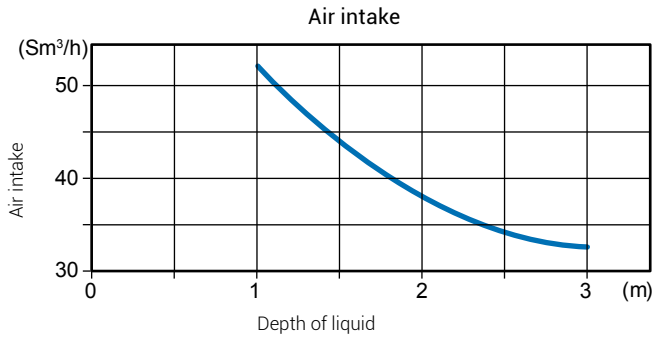
Oxygen transfer SOTR



Curve	Model
1	J-OXY 1/35 MAN 300/4
2	J-OXY 1/35 MAN 400/4
3	J-OXY 1/35(50) ZUG OC 100J 5.5/4 AW 210 SA
4	J-OXY 1/35(50) ZUG OC 100H 7.5/4 AW 255 SA
5	J-OXY 1/35(50) ZUG OC 150A 7.5/4 AW 230 SA
6	J-OXY 1/35(50) ZUG OC 150A 9/4 AW 235 SA

Curve	Model
7	J-OXY 1/35(50) ZUG OC 150A 11/4 AW 245 SA
8	J-OXY 1/35(50) ZUG OC 150A 15/4 AW 270 SA
9	J-OXY 2/35(50) ZUG OC 250H 15/4 AW 269 SA
10	J-OXY 2/35(50) ZUG OC 250H 18.5/4 AW 275 SA
11	J-OXY 2/35(50) ZUG OC 250H 22/4 AW 290 SA
12	J-OXY 2/35(50) ZUG OC 250H 30/4 AW 315 SA

J-OXY 1/35 MAN 300/4



PUMP

MAN 300/4/80 A1FT5

Materials

Motor data

Rated voltage	400 V
Frequency	50 Hz
Motor phases	3~
Number of poles	4
Rated power P2	2.2 kW
Incoming power P1	2.9 kW
Rated current	5.8 A
rpm	1450 1/min
cos φ	0.73
Rated torque	14.7 Nm
Start	Diretto
Degree of protection	IP68
Insulation class	H

Hydraulic

Free passage	80 mm
Impeller type	Open single channel
Discharge	DN80

Case	Cast iron EN-GJL 250
Shaft	AISI 431 stainless steel
Hydraulic	Cast iron EN-GJL 250
Impeller	Cast iron EN-GJL 250
Painting	Bi-epoxy 150 μm
Screws	Stainless steel - Class A2-70
Gaskets	NBR

Characteristics

Main cable	4G1.5 + 3x1
Cable length	10 m
Mechanical seals	Nr. 2 in silicon carbide (SiC) in oil chamber

Monitoring option

Motor with thermal protection
Nr. 1 leakage sensor in mechanical seals oil chamber

BASE

-

SYSTEM OXY

S-OXY 80 1/8055 35

Characteristics

Diaphragm	55 mm
Air intake pipe	DN 100
Pipe diffuser	1 x DN 80/100

Materials

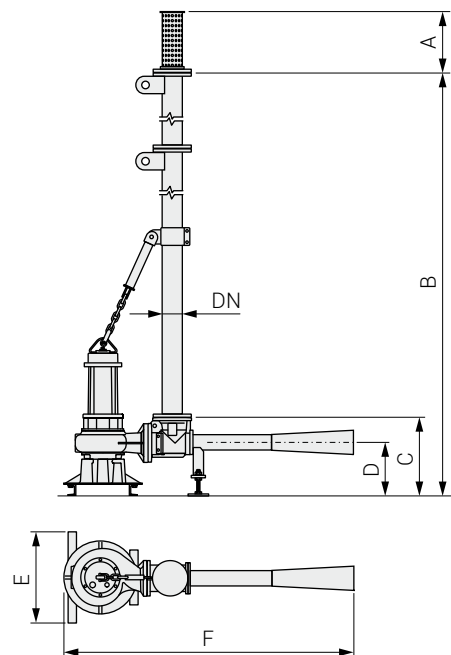
Body	Cast iron EN-GJL 250
Diffuser cone	AISI 304 stainless steel
Air intake pipe	Galvanized steel
Diaphragm coating	Vulkollan
Screws	A2 stainless steel
Painting	Environment-friendly epoxy-vinyl

Dimensions

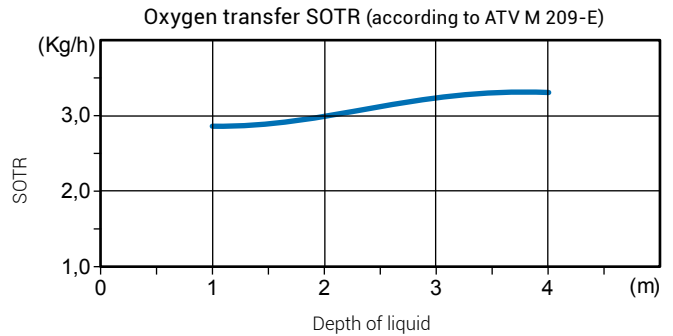
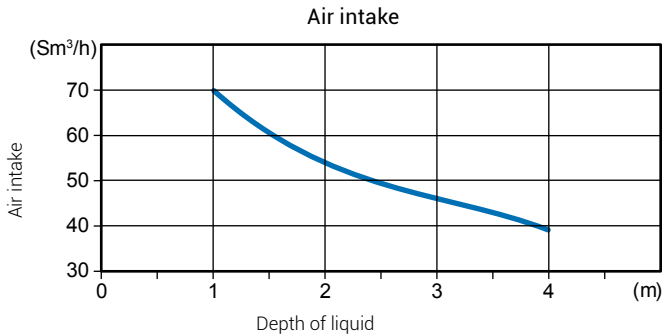
A	340	E	800
B	4050(*)	F	1470
C	450	G	-
D	300	Weight	191

(*) L = 3,5 m version (up to 3,5 m installation depth)

(**) L = 5,0 m version (up to 5,0 m installation depth)



J-OXY 1/35 MAN 400/4



PUMP

MAN 400/4/80 A1FT5

Materials

Motor data

Rated voltage	400 V
Frequency	50 Hz
Motor phases	3~
Number of poles	4
Rated power P2	3.0 kW
Incoming power P1	3.7 kW
Rated current	7.3 A
rpm	1450 1/min
cos φ	0.74
Rated torque	20.1 Nm
Start	Diretto
Degree of protection	IP68
Insulation class	H

Hydraulic

Free passage	80 mm
Impeller type	Open single channel
Discharge	DN80

Case	Cast iron EN-GJL 250
Shaft	AISI 431 stainless steel
Hydraulic	Cast iron EN-GJL 250
Impeller	Cast iron EN-GJL 250
Painting	Bi-epoxy 150 μm
Screws	Stainless steel - Class A2-70
Gaskets	NBR

Characteristics

Main cable	4G1.5 + 3x1
Cable length	10 m
Mechanical seals	Nr. 2 in silicon carbide (SiC) in oil chamber

Monitoring option

- Motor with thermal protection
- Nr. 1 leakage sensor in mechanical seals oil chamber

BASE

-

SYSTEM OXY

S-OXY 80 1/8055 35

Characteristics

Diaphragm	55 mm
Air intake pipe	DN100
Pipe diffuser	1 x DN80/DN100

Materials

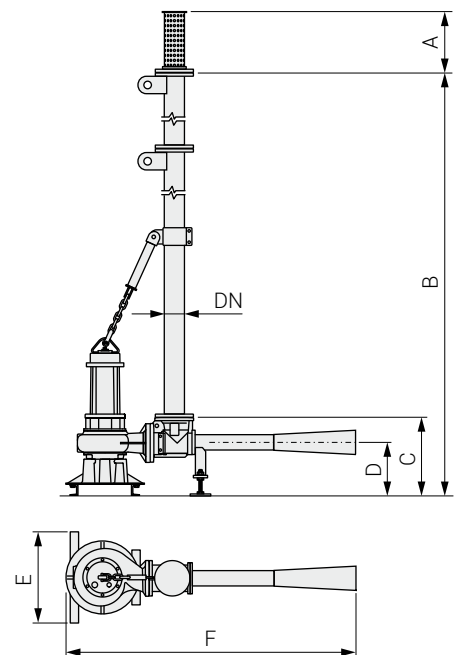
Body	Cast iron EN-GJL 250
Diffuser cone	AISI 304 stainless steel
Air intake pipe	Galvanized steel
Diaphragm coating	Vulkollan
Screws	A2 stainless steel
Painting	Environment-friendly epoxy-vinyl

Dimensions

A	340	E	800
B	4050(*)	F	1470
C	450	G	-
D	300	Weight	194

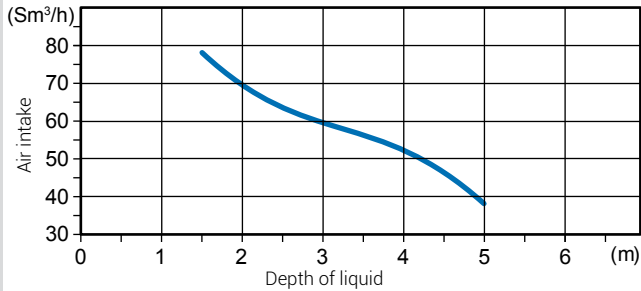
(*) L = 3,5 m version (up to 3,5 m installation depth)

(**) L = 5,0 m version (up to 5,0 m installation depth)

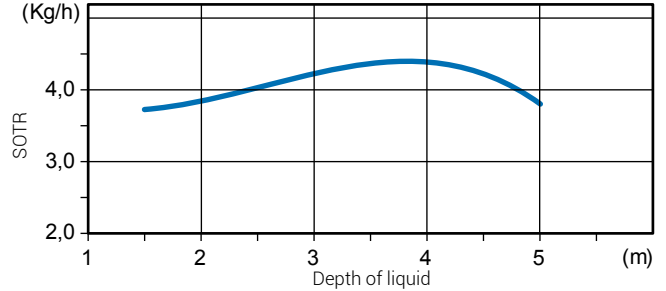


J-OXY 1/35(50) ZUG OC 100J 5.5/4 AW 210 SA

Air intake



Oxygen transfer SOTR (according to ATV M 209-E)



PUMP

ZUG OC 100J 5.5/4 AW 210 SA

Materials

Motor data

Rated voltage	400 V
Frequency	50 Hz
Motor phases	3~
Number of poles	4
Rated power P2	5.5 kW
Incoming power P1	6.1 kW
Rated current	11.7 A
rpm	1450 1/min
Efficiency	89.6 %
cos φ	0.76
Start	Y/Δ
Starting current	21.3 A
Degree of protection	IP68
Insulation class	H
Motor efficiency class ref	IE3

Hydraulic

Free passage	65 mm
Impeller type	Open channels
Discharge	DN100

Characteristics

Main cable	4G1.5 + 3x1
Cable length	10 m
Mechanical seals	Nr. 2 in silicon carbide (SiC) in oil chamber

Monitoring option

Monitoring option	BB
	- n.3 bimetal thermal protectors (Klixon)
	- n.1 double leakage sensor, mechanical seals chamber and stator housing (1 signal)

Case	Cast iron EN-GJL 250
Shaft	AISI 431 stainless steel
Hydraulic	Cast iron EN-GJL 250
Impeller	Cast iron EN-GJL 250
Painting	Bi-epoxy 200 μm
Screws	Stainless steel - Class A2-70
Gaskets	NBR

BASE

KBS 4F I345 [AZ] (S) (cod. 9024.015)

SYSTEM OXY

S-OXY 80 1/8063 35(50) NO BASE

Characteristics

Diaphragm	63 mm
Air intake pipe	DN100
Pipe diffuser	1 x DN80/DN100

Materials

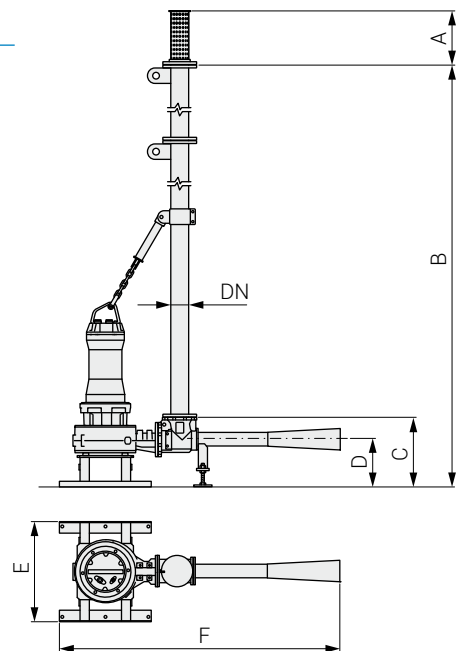
Body	Cast iron EN-GJL 250
Diffuser cone	AISI 304 stainless steel
Air intake pipe	Galvanized steel
Diaphragm coating	Vulkollan
Screws	A2 stainless steel
Painting	Environment-friendly epoxy-vinyl

Dimensions

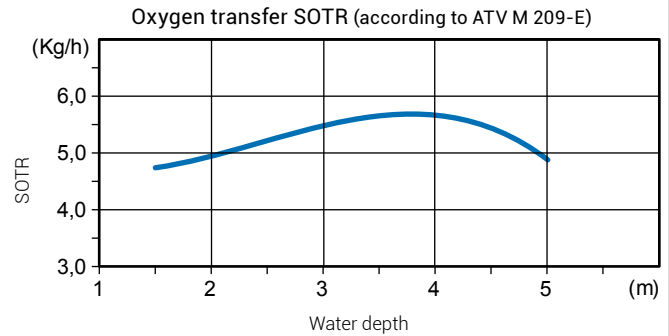
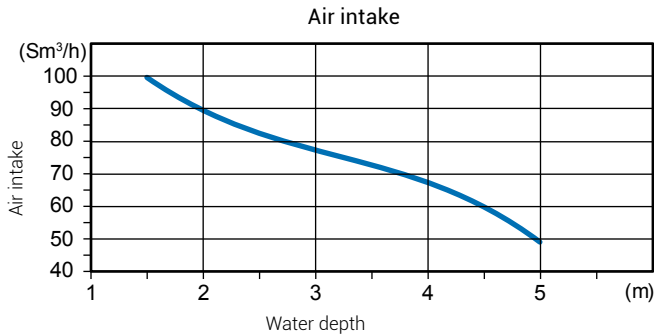
A	325	E	700
B	4090(*) / 5590(**)	F	1695
C	490	G	-
D	345	Weight	313.5(*) / 333.5(**)

(*) L = 3,5 m version (up to 3,5 m installation depth)

(**) L = 5,0 m version (up to 5,0 m installation depth)



J-OXY 1/35(50) ZUG OC 100H 7.5/4 AW 255 SA



PUMP

Motor data

Rated voltage	400 V
Frequency	50 Hz
Motor phases	3~
Number of poles	4
Rated power P2	7.5 kW
Incoming power P1	8.3 kW
Rated current	14.5 A
rpm	1460 1/min
Efficiency	90.4 %
cos φ	0.83
Start	Y/Δ
Starting current	32.2 A
Degree of protection	IP68
Insulation class	H
Motor efficiency class ref	IE3

ZUG OC 100H 7.5/4 AW 255 SA

Hydraulic

Free passage	80 mm
Impeller type	Open channels
Discharge	DN100

Characteristics

Main cable	4G1.5 + 3x1
Cable length	10 m
Mechanical seals	Nr. 2 in silicon carbide (SiC) in oil chamber

Monitoring option

Monitoring option	BB
- n.3 bimetal thermal protectors (Klixon)	
- n.1 double leakage sensor, mechanical seals chamber and stator housing (1 signal)	

Materials

Case	Cast iron EN-GJL 250
Shaft	AISI 431 stainless steel
Hydraulic	Cast iron EN-GJL 250
Impeller	Cast iron EN-GJL 250
Painting	Bi-epoxy 200 μm
Screws	Stainless steel - Class A2-70
Gaskets	NBR

BASE

KBS 4F I345 [AZ] (S) (cod. 9024.015)

SYSTEM OXY

S-OXY 80 1/8063 35(50) NO BASE

Characteristics

Diaphragm	63 mm
Air intake pipe	DN100
Pipe diffuser	1 x DN80/DN100

Materials

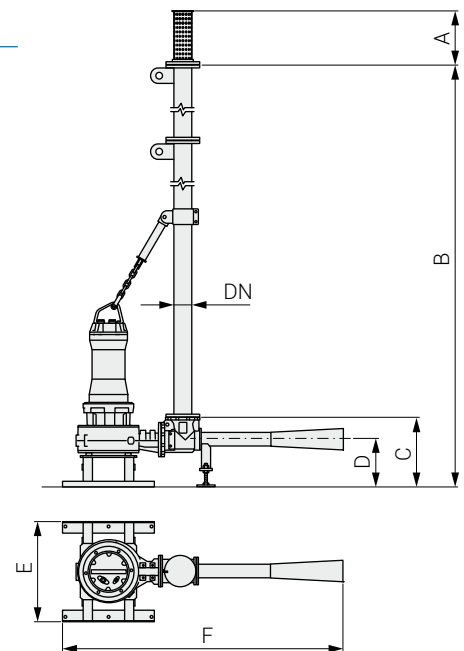
Body	Cast iron EN-GJL 250
Diffuser cone	AISI 304 stainless steel
Air intake pipe	Galvanized steel
Diaphragm coating	Vulkollan
Screws	A2 stainless steel
Painting	Environment-friendly epoxy-vinyl

Dimensions

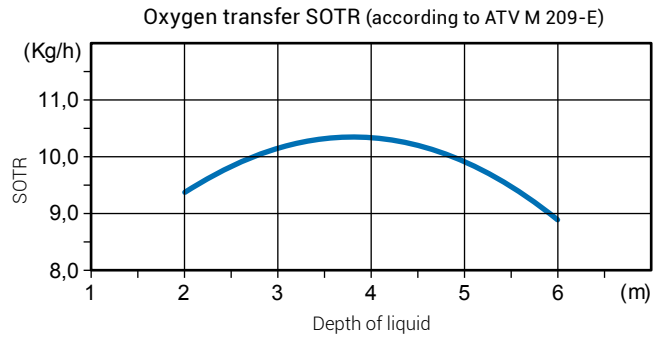
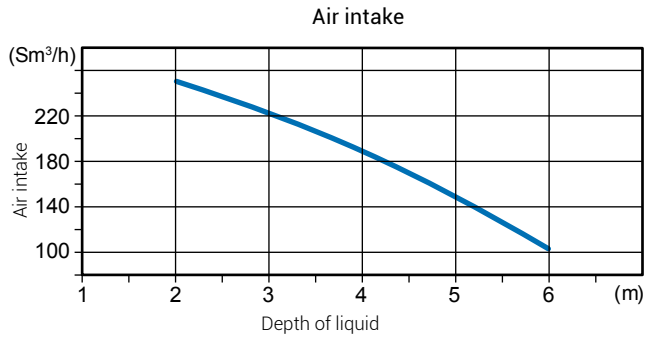
A	325	E	700
B	4090(*) / 5590(**)	F	1640.5
C	490	G	-
D	345	Weight	354.4(*) / 374.4(**)

(*) L = 3,5 m version (up to 3,5 m installation depth)

(**) L = 5,0 m version (up to 5,0 m installation depth)



J-OXY 1/35(50) ZUG OC 150A 7.5/4 AW 230 SA



PUMP ZUG OC 150A 7.5/4 AW 230 SA

Motor data

Rated voltage	400 V
Frequency	50 Hz
Motor phases	3~
Number of poles	4
Rated power P2	7.5 kW
Incoming power P1	8.3 kW
Rated current	14.5 A
rpm	1460 1/min
Efficiency	90.4 %
cos φ	0.83
Start	Y/Δ
Starting current	32.2 A
Degree of protection	IP68
Insulation class	H
Motor efficiency class ref	IE3

Hydraulic

Free passage	80 mm
Impeller type	Open channels
Discharge	DN150

Characteristics

Main cable	7G1.5 + 3x1
Cable length	10 m
Mechanical seals	Nr. 2 in silicon carbide (SiC) in oil chamber

Monitoring option

Monitoring option	BB
	- n.3 bimetal thermal protectors (Klixon)
	- n.1 double leakage sensor, mechanical seals chamber and stator housing (1 signal)

Materials

Case	Cast iron EN-GJL 250
Shaft	AISI 431 stainless steel
Hydraulic	Cast iron EN-GJL 250
Impeller	Cast iron EN-GJL 250
Painting	Bi-epoxy 200 μm
Screws	Stainless steel - Class A2-70
Gaskets	NBR

BASE KBS 4F I345 [AZ] (S) (cod. 9024.015)

SYSTEM OXY S-OXY 150 1/15095 35(50) NO BASE

Characteristics

Diaphragm	95 mm
Air intake pipe	DN150
Pipe diffuser	1 x DN150

Materials

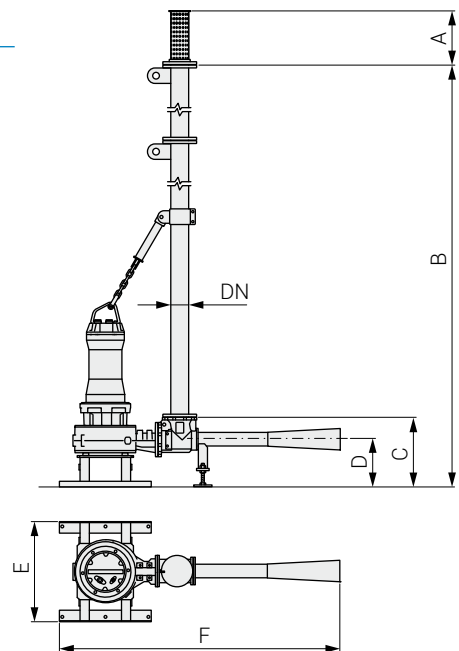
Body	Cast iron EN-GJL 250
Diffuser cone	AISI 304 stainless steel
Air intake pipe	Galvanized steel
Diaphragm coating	Vulkollan
Screws	A2 stainless steel
Painting	Environment-friendly epoxy-vinyl

Dimensions

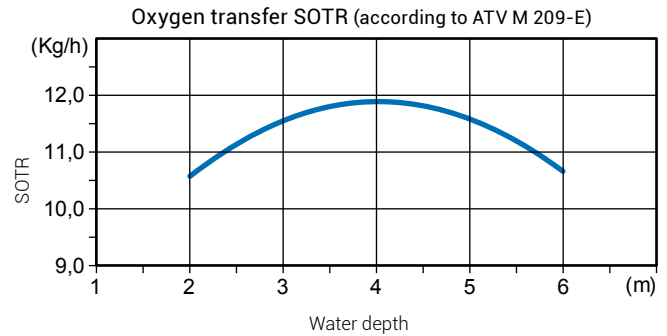
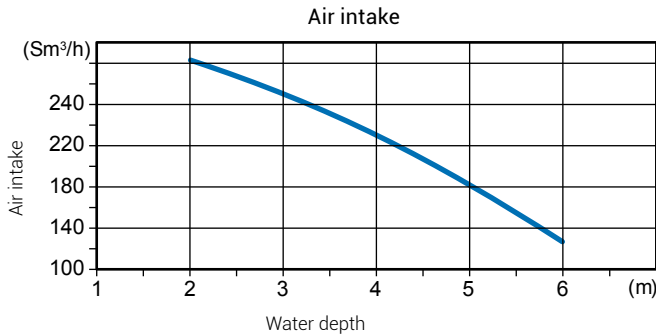
A	477	E	700
B	4140(*) / 5640(**)	F	2128
C	540	G	-
D	350	Weight	460.6(*) / 537.6(**)

(*) L = 3,5 m version (up to 3,5 m installation depth)

(**) L = 5,0 m version (up to 5,0 m installation depth)



J-OXY 1/35(50) ZUG OC 150A 9/4 AW 235 SA



PUMP

Motor data

Rated voltage	400 V
Frequency	50 Hz
Motor phases	3~
Number of poles	4
Rated power P2	9.0 kW
Incoming power P1	9.9 kW
Rated current	18.3 A
rpm	1465 1/min
Efficiency	90.8 %
cos φ	0.78
Start	Y/Δ
Starting current	44.7 A
Degree of protection	IP68
Insulation class	H
Motor efficiency class ref	IE3

ZUG OC 150A 9/4 AW 235 SA

Hydraulic

Free passage	80 mm
Impeller type	Open channels
Discharge	DN150

Characteristics

Main cable	7G1.5 + 3x1
Cable length	10 m
Mechanical seals	Nr. 2 in silicon carbide (SiC) in oil chamber

Monitoring option

Monitoring option	BB
- n.3 bimetal thermal protectors (Klixon)	
- n.1 double leakage sensor, mechanical seals chamber and stator housing (1 signal)	

Materials

Case	Cast iron EN-GJL 250
Shaft	AISI 431 stainless steel
Hydraulic	Cast iron EN-GJL 250
Impeller	Cast iron EN-GJL 250
Painting	Bi-epoxy 200 μm
Screws	Stainless steel - Class A2-70
Gaskets	NBR

BASE

KBS 4F I345 [AZ] (S) (cod. 9024.015)

SYSTEM OXY

S-OXY 150 1/15095 35(50) NO BASE

Characteristics

Diaphragm	95 mm
Air intake pipe	DN150
Pipe diffuser	1 x DN150

Materials

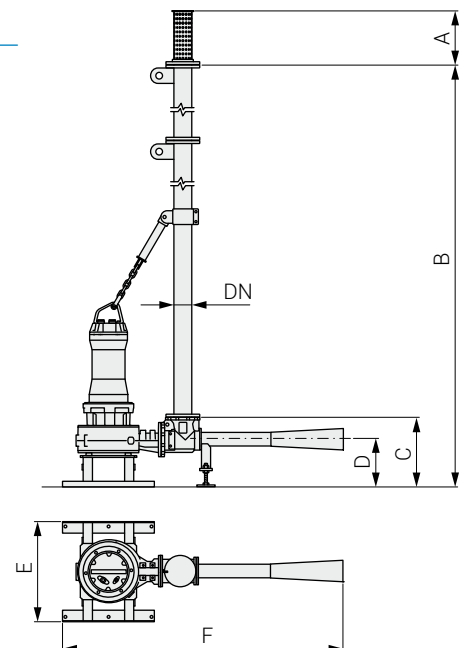
Body	Cast iron EN-GJL 250
Diffuser cone	AISI 304 stainless steel
Air intake pipe	Galvanized steel
Diaphragm coating	Vulkollan
Screws	A2 stainless steel
Painting	Environment-friendly epoxy-vinyl

Dimensions

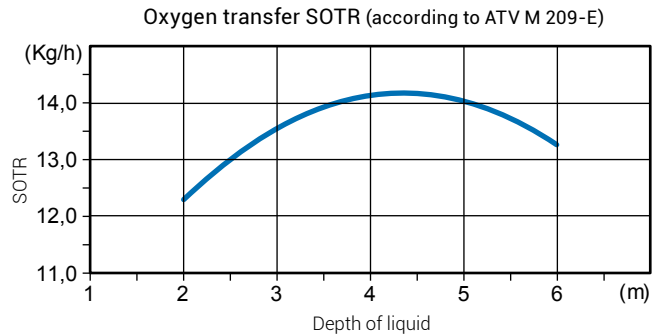
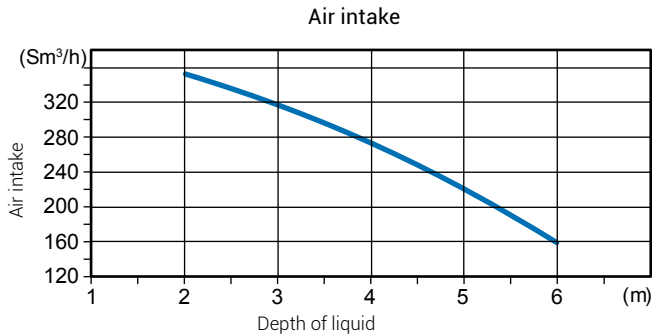
A	477	E	700
B	4140(*) - 5640(**)	F	2128
C	540	G	-
D	350	Weight	481.6(*) / 558.6(**)

(*) L = 3,5 m version (up to 3,5 m installation depth)

(**) L = 5,0 m version (up to 5,0 m installation depth)



J-OXY 1/35(50) ZUG OC 150A 1 1/4 AW 245 SA



PUMP

ZUG OC 150A 1 1/4 AW 245 SA

Materials

Motor data

Rated voltage	400 V
Frequency	50 Hz
Motor phases	3~
Number of poles	4
Rated power P2	11.0 kW
Incoming power P1	12.0 kW
Rated current	21.3 A
rpm	1475 1/min
Efficiency	91.4 %
cos φ	0.81
Start	Y/Δ
Starting current	52.0 A
Degree of protection	IP68
Insulation class	H
Motor efficiency class ref	IE3

Hydraulic

Free passage	80 mm
Impeller type	Open channels
Discharge	DN150

Characteristics

Main cable	7G1.5 + 3x1
Cable length	10 m
Mechanical seals	Nr. 2 in silicon carbide (SiC) in oil chamber

Monitoring option

Monitoring option	BB
	- n.3 bimetal thermal protectors (Klixon)
	- n.1 double leakage sensor, mechanical seals chamber and stator housing (1 signal)

Case	Cast iron EN-GJL 250
Shaft	AISI 431 stainless steel
Hydraulic	Cast iron EN-GJL 250
Impeller	Cast iron EN-GJL 250
Painting	Bi-epoxy 200 μm
Screws	Stainless steel - Class A2-70
Gaskets	NBR

BASE

KBS 4F I345 [AZ] (S) (cod. 9024.015)

SYSTEM OXY

S-OXY 150 1/15095 35(50) NO BASE

Characteristics

Diaphragm	95 mm
Air intake pipe	DN150
Pipe diffuser	1 x DN150

Materials

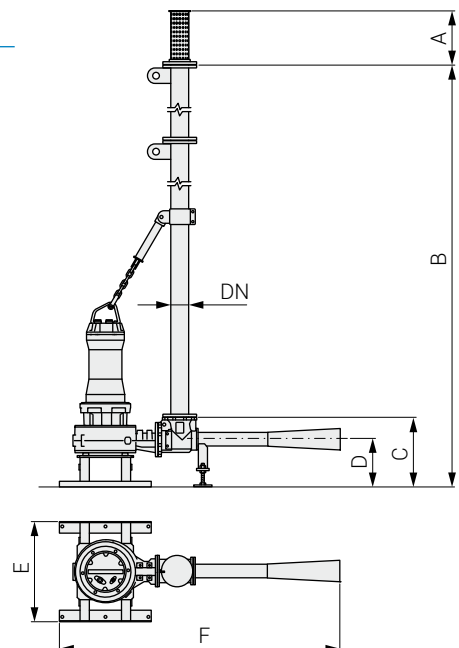
Body	Cast iron EN-GJL 250
Diffuser cone	AISI 304 stainless steel
Air intake pipe	Galvanized steel
Diaphragm coating	Vulkollan
Screws	A2 stainless steel
Painting	Environment-friendly epoxy-vinyl

Dimensions

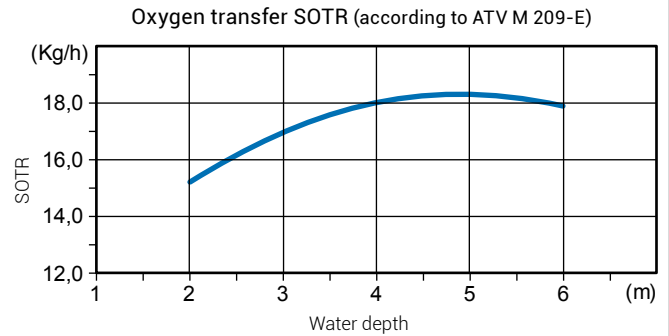
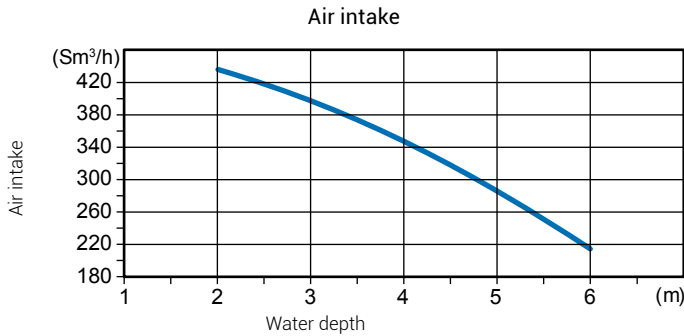
A	477	E	700
B	4140(*) - 5640(**)	F	2128
C	540	G	-
D	350	Weight	532.8(**) / 609.8(**)

(*) L = 3,5 m version (up to 3,5 m installation depth)

(**) L = 5,0 m version (up to 5,0 m installation depth)



J-OXY 1/35(50) ZUG OC 150A 15/4 AW 270 SA



PUMP

ZUG OC 150A 15/4 AW 270 SA

Materials

Motor data

Rated voltage	400 V
Frequency	50 Hz
Motor phases	3~
Number of poles	4
Rated power P2	15.0 kW
Incoming power P1	16.3 kW
Rated current	28.2 A
rpm	1470 1/min
Efficiency	91.9 %
cos φ	0.84
Start	Y/Δ
Starting current	59.4 A
Degree of protection	IP68
Insulation class	H
Motor efficiency class ref	IE3

Hydraulic

Free passage	80 mm
Impeller type	Open channels
Discharge	DN150

Case	Cast iron EN-GJL 250
Shaft	AISI 431 stainless steel
Hydraulic	Cast iron EN-GJL 250
Impeller	Cast iron EN-GJL 250
Painting	Bi-epoxy 200 μm
Screws	Stainless steel - Class A2-70
Gaskets	NBR

Characteristics

Main cable	7G1.5 + 3x1
Cable length	10 m
Mechanical seals	Nr. 2 in silicon carbide (SiC) in oil chamber

Monitoring option

Monitoring option	BB
- n.3 bimetal thermal protectors (Klixon)	
- n.1 double leakage sensor, mechanical seals chamber and stator housing (1 signal)	

BASE

KBS 4F I345 [AZ] (S) (cod. 9024.015)

SYSTEM OXY

S-OXY 150 1/15095 35(50) NO BASE

Characteristics

Diaphragm	95 mm
Air intake pipe	DN150
Pipe diffuser	1 x DN150

Materials

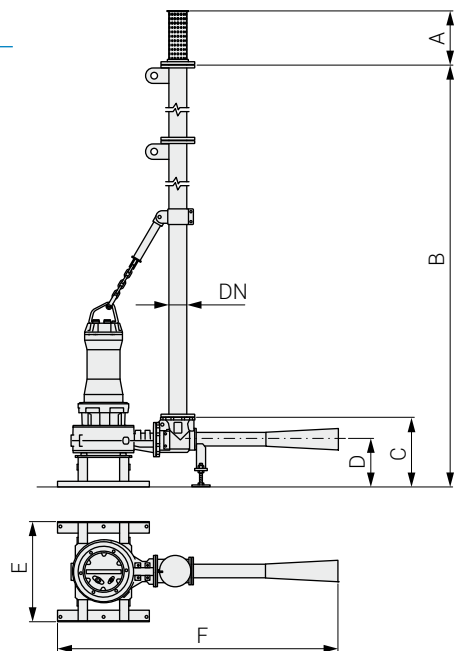
Body	Cast iron EN-GJL 250
Diffuser cone	AISI 304 stainless steel
Air intake pipe	Galvanized steel
Diaphragm coating	Vulkollan
Screws	A2 stainless steel
Painting	Environment-friendly epoxy-vinyl

Dimensions

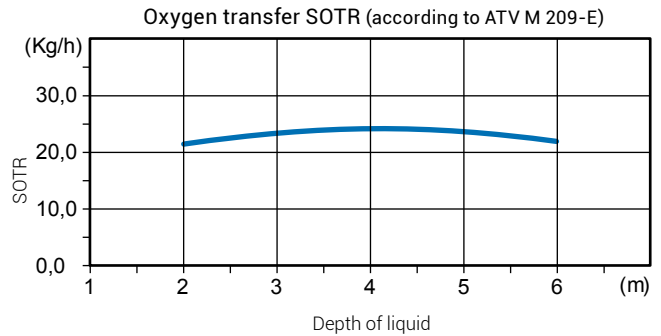
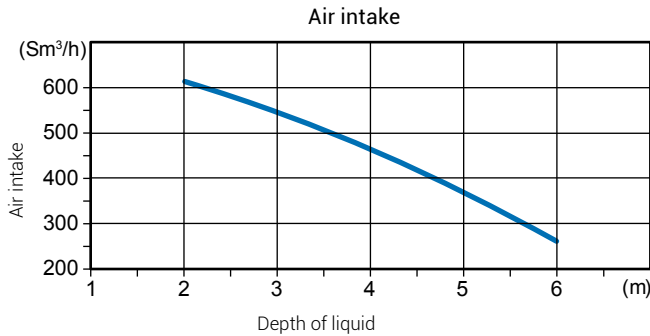
A	477	E	700
B	4140(*) - 5640(**)	F	2128
C	540	G	-
D	350	Weight	546.5(*) / 623.5(**)

(*) L = 3,5 m version (up to 3,5 m installation depth)

(**) L = 5,0 m version (up to 5,0 m installation depth)



J-OXY 2/35(50) ZUG OC 250H 15/4 AW 269 SA



PUMP

ZUG OC 250H 15/4 AW 269 SA

Materials

Motor data

Rated voltage	400 V
Frequency	50 Hz
Motor phases	3~
Number of poles	4
Rated power P2	15.0 kW
Incoming power P1	16.3 kW
Rated current	28.2 A
rpm	1470 1/min
Efficiency	91.9 %
cos φ	0.84
Start	Y/Δ
Starting current	59.4 A
Degree of protection	IP68
Insulation class	H
Motor efficiency class ref	IE3

Hydraulic

Free passage	80 mm
Impeller type	Open channels
Discharge	DN250

Characteristics

Main cable	7G1.5 + 3x1
Cable length	10 m
Mechanical seals	Nr. 2 in silicon carbide (SiC) in oil chamber

Monitoring option

Monitoring option	BB
	- n.3 bimetal thermal protectors (Klixon)
	- n.1 double leakage sensor, mechanical seals chamber and stator housing (1 signal)

Case	Cast iron EN-GJL 250
Shaft	AISI 431 stainless steel
Hydraulic	Cast iron EN-GJL 250
Impeller	Cast iron EN-GJL 250
Painting	Bi-epoxy 200 μm
Screws	Stainless steel - Class A2-70
Gaskets	NBR

BASE

KBS 4F I480 [AZ]+SUP 200 (S) (cod. 9024.032)

SYSTEM OXY

S-OXY 250 2/15095 35(50) NO BASE

Characteristics

Diaphragm	2 x 95mm
Air intake pipe	DN200
Pipe diffuser	2 x DN150

Materials

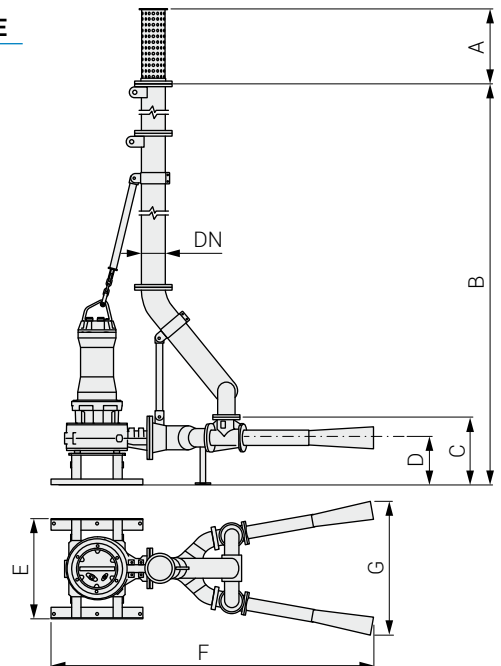
Body	Cast iron EN-GJL 250
Diffuser cone	AISI 304 stainless steel
Air intake pipe	Galvanized steel
Diaphragm coating	Vulkollan
Screws	A2 stainless steel
Painting	Environment-friendly epoxy-vinyl

Dimensions

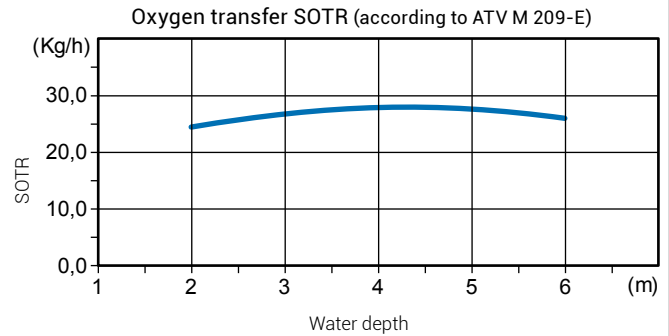
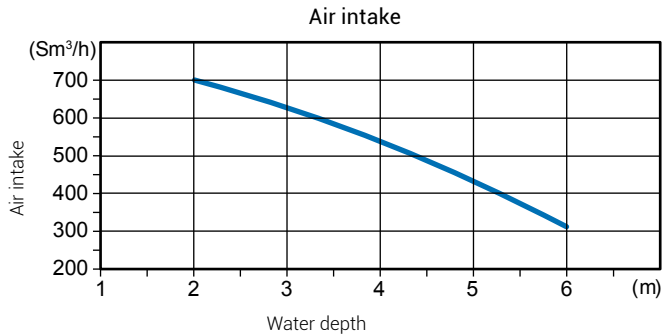
A	687	E	932
B	4295(*) - 5790(**)	F	2957
C	613	G	1360
D	425		Weight 801.8(*) / 845.8(**)

(*) L = 3,5 m version (up to 3,5 m installation depth)

(**) L = 5,0 m version (up to 5,0 m installation depth)



J-OXY 2/35(50) ZUG OC 250H 18.5/4 AW 275 SA



PUMP

Motor data

Rated voltage	400 V
Frequency	50 Hz
Motor phases	3~
Number of poles	4
Rated power P2	18.5 kW
Incoming power P1	20.0 kW
Rated current	35.2 A
rpm	1469 1/min
Efficiency	92.6 %
cos φ	0.82
Start	Y/Δ
Starting current	78.6 A
Degree of protection	IP68
Insulation class	H
Motor efficiency class ref	IE3

ZUG OC 250H 18.5/4 AW 275 SA

Hydraulic

Free passage	80 mm
Impeller type	Open channels
Discharge	DN250

Characteristics

Main cable	7G4 + 3x1
Cable length	10 m
Mechanical seals	Nr. 2 in silicon carbide (SiC) in oil chamber

Monitoring option

Monitoring option	BB
- n.3 bimetal thermal protectors (Klixon)	
- n.1 double leakage sensor, mechanical seals chamber and stator housing (1 signal)	

Materials

Case	Cast iron EN-GJL 250
Shaft	AISI 431 stainless steel
Hydraulic	Cast iron EN-GJL 250
Impeller	Cast iron EN-GJL 250
Painting	Bi-epoxy 200 μm
Screws	Stainless steel - Class A2-70
Gaskets	NBR

BASE

KBS 4F I480 [AZ]+SUP 200 (S) (cod. 9024.032)

SYSTEM OXY

S-OXY 250 2/15095 35(50) NO BASE

Characteristics

Diaphragm	2 x 95mm
Air intake pipe	DN200
Pipe diffuser	2 x DN150

Materials

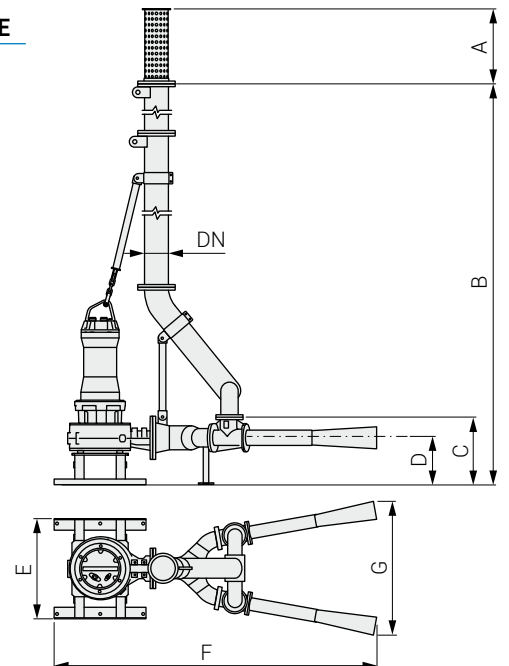
Body	Cast iron EN-GJL 250
Diffuser cone	AISI 304 stainless steel
Air intake pipe	Galvanized steel
Diaphragm coating	Vulkollan
Screws	A2 stainless steel
Painting	Environment-friendly epoxy-vinyl

Dimensions

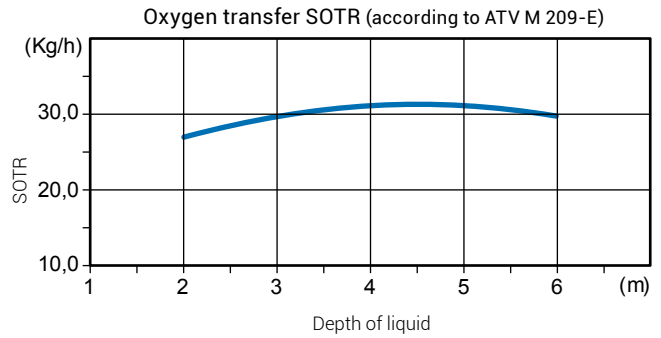
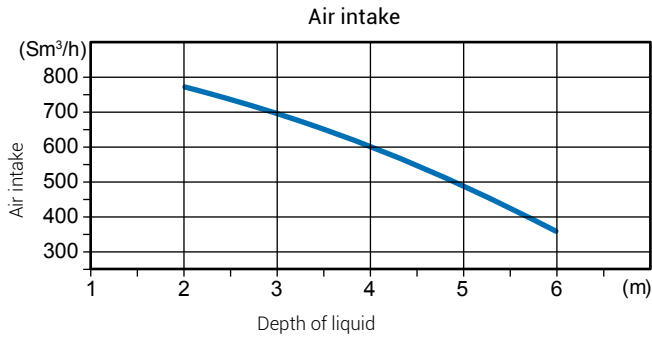
A	687	E	932
B	4295(*) - 5790(**)	F	2957
C	613	G	1360
D	425	Weight	886.4(*) / 930.4(**)

(*) L = 3,5 m version (up to 3,5 m installation depth)

(**) L = 5,0 m version (up to 5,0 m installation depth)



J-OXY 2/35(50) ZUG OC 250H 22/4 AW 290 SA



PUMP

ZUG OC 250H 22/4 AW 290 SA

Materials

Motor data

Rated voltage	400 V
Frequency	50 Hz
Motor phases	3~
Number of poles	4
Rated power P2	22.0 kW
Incoming power P1	23.6 kW
Rated current	40.6 A
rpm	1470 1/min
Efficiency	93.1 %
cos φ	0.84
Start	Y/Δ
Starting current	89.1 A
Degree of protection	IP68
Insulation class	H
Motor efficiency class ref	IE3

Hydraulic

Free passage	80 mm
Impeller type	Open channels
Discharge	DN250

Characteristics

Main cable	7G4 + 3x1
Cable length	10 m
Mechanical seals	Nr. 2 in silicon carbide (SiC) in oil chamber

Monitoring option

Monitoring option	BB
	- n.3 bimetal thermal protectors (Klixon)
	- n.1 double leakage sensor, mechanical seals chamber and stator housing (1 signal)

Case	Cast iron EN-GJL 250
Shaft	AISI 431 stainless steel
Hydraulic	Cast iron EN-GJL 250
Impeller	Cast iron EN-GJL 250
Painting	Bi-epoxy 200 μm
Screws	Stainless steel - Class A2-70
Gaskets	NBR

BASE

KBS 4F I480 [AZ]+SUP 200 (S) (cod. 9024.032)

SYSTEM OXY

S-OXY 250 2/15095 35(50) NO BASE

Characteristics

Diaphragm	2 x 95mm
Air intake pipe	DN200
Pipe diffuser	2 x DN150

Materials

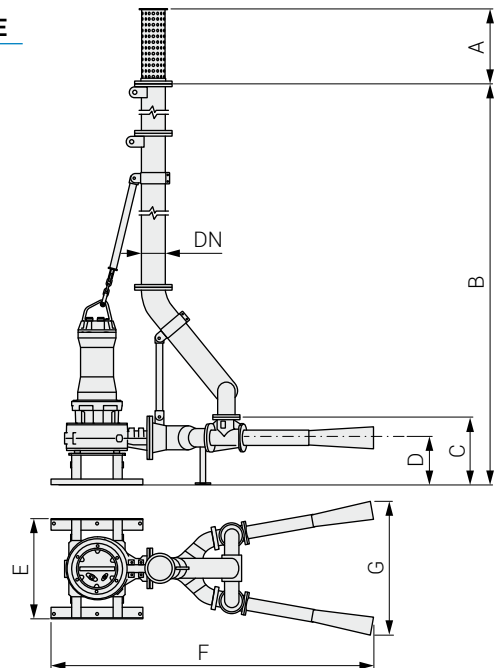
Body	Cast iron EN-GJL 250
Diffuser cone	AISI 304 stainless steel
Air intake pipe	Galvanized steel
Diaphragm coating	Vulkollan
Screws	A2 stainless steel
Painting	Environment-friendly epoxy-vinyl

Dimensions

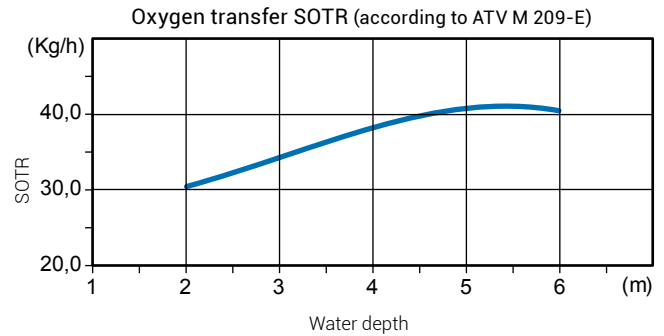
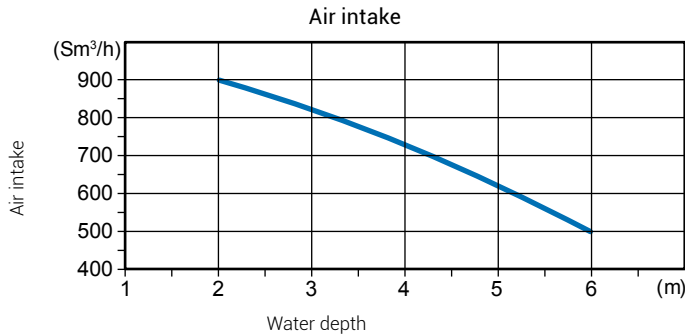
A	687	E	932
B	4295(*) - 5790(**)	F	2957
C	613	G	1360
D	425		Weight 903.3(*) / 947.3(**)

(*) L = 3,5 m version (up to 3,5 m installation depth)

(**) L = 5,0 m version (up to 5,0 m installation depth)



J-OXY 2/35(50) ZUG OC 250H 30/4 AW 315 SA



PUMP

ZUG OC 250H 30/4 AW 315 SA

Materials

Motor data

Rated voltage	400 V
Frequency	50 Hz
Motor phases	3~
Number of poles	4
Rated power P2	30.0 kW
Incoming power P1	32,1 kW
Rated current	55.7 A
rpm	1470 1/min
Efficiency	93.6 %
cos φ	0.83
Start	Y/Δ
Starting current	120.7 A
Degree of protection	IP68
Insulation class	H
Motor efficiency class ref	IE3

Hydraulic

Free passage	80 mm
Impeller type	Open channels
Discharge	DN250

Case	Cast iron EN-GJL 250
Shaft	AISI 431 stainless steel
Hydraulic	Cast iron EN-GJL 250
Impeller	Cast iron EN-GJL 250
Painting	Bi-epoxy 200 μm
Screws	Stainless steel - Class A2-70
Gaskets	NBR

Characteristics

Main cable	2 x 4G6
Cable length	10 m
Mechanical seals	Nr. 2 in silicon carbide (SiC) in oil chamber

Monitoring option

Monitoring option	BB
- n.3 bimetal thermal protectors (Klixon)	
- n.1 double leakage sensor, mechanical seals chamber and stator housing (1 signal)	

BASE

KBS 4F I480 [AZ]+SUP 200 (S) (cod. 9024.032)

SYSTEM OXY

S-OXY 250 2/15095 35(50) NO BASE

Characteristics

Diaphragm	2 x 95mm
Air intake pipe	DN200
Pipe diffuser	2 x DN150

Materials

Body	Cast iron EN-GJL 250
Diffuser cone	AISI 304 stainless steel
Air intake pipe	Galvanized steel
Diaphragm coating	Vulkollan
Screws	A2 stainless steel
Painting	Environment-friendly epoxy-vinyl

Dimensions

A	687	E	932
B	4295(*) - 5790(**)	F	2957
C	613	G	1360
D	425	Weight	941.3(*) / 985.3(**)

(*) L = 3,5 m version (up to 3,5 m installation depth)

(**) L = 5,0 m version (up to 5,0 m installation depth)

