ensavior

LOWARA
a xylem brand

DL Series

www.ensavior.com

xylem
Let's Solve Water

Xylem is a leading water technology company committed to solving the world's water, wastewater, and energy needs by creating innovative and smart technology solutions. Their technological strength across the life cycle of water is second-to-none, from collection and distribution to reuse and return to nature. **Xylem's** highly efficient water technologies, pumps, and application solutions promote sustainability by using less energy and reducing life-cycle costs.

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Ensavior is proudly associated as Channel partner with Xylem water Solutions. Our experienced team is equipped with the technical know-how to provide comprehensive support and product demonstrations to meet all your water, wastewater, and energy needs. Whether you have questions or require complete technical support, **Ensavior** is here to assist you every step of the way. Join forces with **Ensavior** and **Xylem** Water Solutions to create a sustainable future today!"

Submersible pumps for solid-laden wastewater. Made in cast iron and stainless steel, with mechanical seal and versions with single-channel impeller and Vortex impeller.

Specifications

Delivery: up to 42 m^3/h
Head: up to 22 m
Power supply: three-phase and single-phase 50 and 60 Hz
Power: 0.6 kW to 1.5 kW
Maximum immersion depth: 5 m
Temperature of pumped liquid:
0°C to +50°C (with pump totally immersed)
0°C to +25°C (with pump partially immersed)
Liquids with suspended solids:
up to 45 mm (DL80-90-105 Minivortex-Vortex)
up to 50 mm (DL109-125, DLV100-115)
Protection: IP68
Length of cable: 5 m

Materials

Pump body: Cast iron
Suction flange, feet, shaft extension, motor casing, impeller: Stainless steel
Elastomers: NBR
Mechanical seal: Carbon/Ceramic/NBR
Discharge elbow: Cast iron

Applications

Pumping of sewage with suspended solids and filaments

Draining of septic tanks, sumps and wastewater discharge tanks

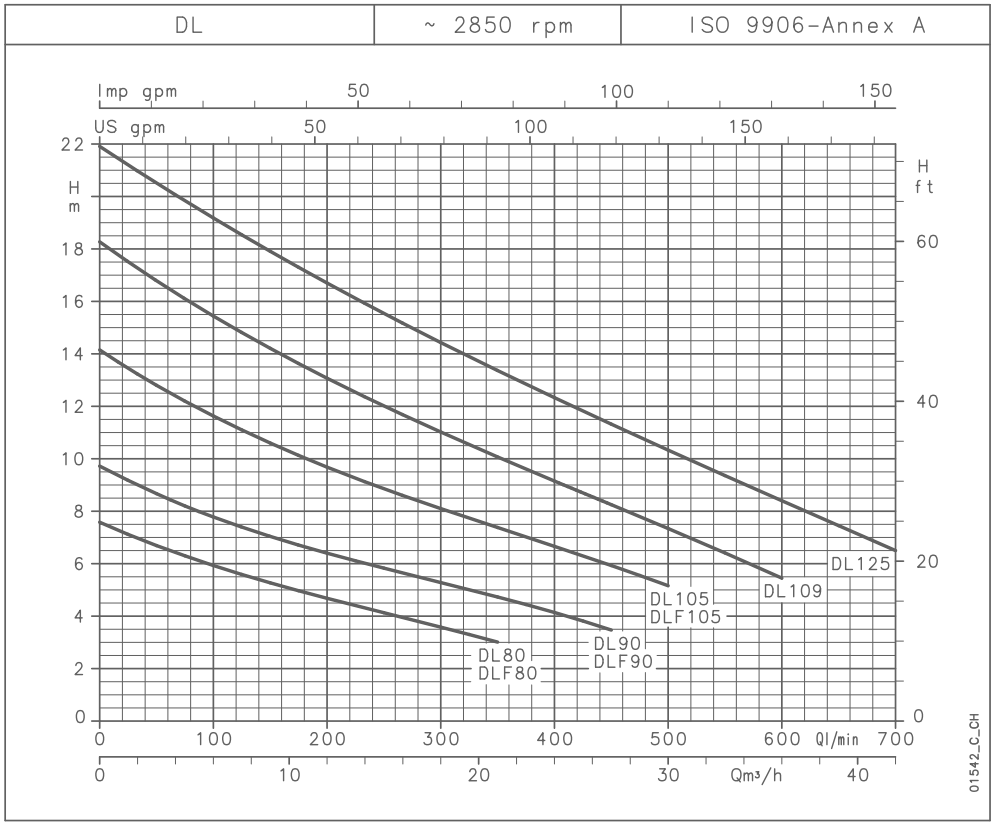
Emptying of drains and tanks in industrial and ecological applications

Emptying of tanks or reservoirs

Emergency draining in flooded areas

For a complete list of technical information, consult www.lowara.com

DL SERIES
Operating characteristics at 50 Hz, 2 poles



DL SERIES
Hydraulic performance table

PUMP TYPE	RATED POWER		Q = DELIVERY											
			l/min	0	100	150	200	250	300	350	400	450	500	600	700
			m^3/h	0	6	9	12	15	18	21	24	27	30	36	42
	kW	HP	H = TOTAL HEAD METRES COLUMN OF WATER												
DL(M) 80-DLF(M) 80	0,6	0,8	7,6	5,9	5,3	4,7	4,1	3,6	3,0						
DL(M) 90-DLF(M) 90	0,6	0,8	9,7	7,8	7,0	6,4	5,8	5,3	4,7	4,1	3,5				
DL 105 - DLF105	1,1	1,5	14,1	11,6	10,6	9,7	8,9	8,1	7,4	6,7	5,9	5,2			
DL(M) 109	1,1	1,5	18,3	15,4	14,2	13,1	12,0	11,0	10,1	9,2	8,2	7,3	5,4		
DL 125	1,5	2	21,9	19,2	17,9	16,7	15,5	14,4	13,4	12,3	11,3	10,3	8,4	6,5	

These performances are valid for liquids with density l = 1,0 kg/dm³ and kinematic viscosity i = 1 mm²/s.

dl-2p50-en_b_th

Electrical data

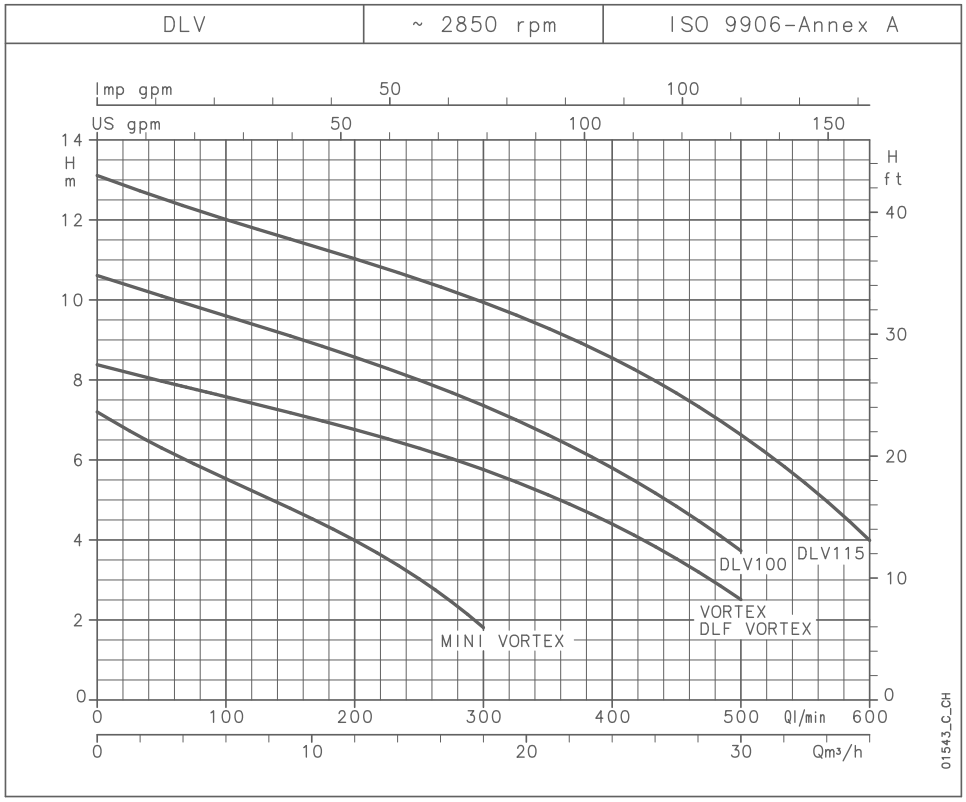
PUMP TYPE SINGLE-PHASE	ABSORBED POWER* kW	ABSORBED CURRENT* 220-240 V A	CAPACITOR µF / 450 V
DLM80-DLFM80	0,79	3,91	25
DLM90-DLFM90	0,89	4,27	25
-	-	-	-
DLM109	1,55	6,87	35
-	-	-	-

PUMP TYPE THREE-PHASE	ABSORBED POWER* kW	ABSORBED CURRENT* 220-240 V A	ABSORBED CURRENT* 380-415 V A
DL80-DLF80	0,8	-	2,09
DL90-DLF90	0,92	3,81	2,2
DL105-DLF105	1,43	4,66	2,69
DL109	1,54	5,44	3,14
DL125	2,14	6,58	3,8

*Maximum values within operating range.

dl-2p50-en_b_te

DLV SERIES
Operating characteristics at 50 Hz, 2 poles



DLV SERIES
Hydraulic performance table

PUMP TYPE	RATED POWER		Q = DELIVERY											
			l/min	0	50	100	150	200	250	300	350	400	450	500	600
			m³/h	0	3	6	9	12	15	18	21	24	27	30	36
	kW	HP	H = TOTAL HEAD METRES COLUMN OF WATER												
MINI VORTEX(M)	0,6	0,8	7,2	6,3	5,5	4,8	4,0	3,0	1,8						
VORTEX-DLF VORTEX	1,1	1,5	8,4	8,0	7,6	7,2	6,8	6,3	5,8	5,1	4,4	3,5	2,5	
DLV(M) 100	1,1	1,5	10,6	10,1	9,6	9,1	8,6	8,0	7,4	6,6	5,8	4,8	3,7	
DLV 115	1,5	2	13,1	12,5	12,0	11,5	11,0	10,5	9,9	9,3	8,5	7,7	6,6	4,0

These performances are valid for liquids with density l = 1,0 kg/dm³ and kinematic viscosity i = 1 mm²/s.

dlv-2p50-en_b_th

Electrical data

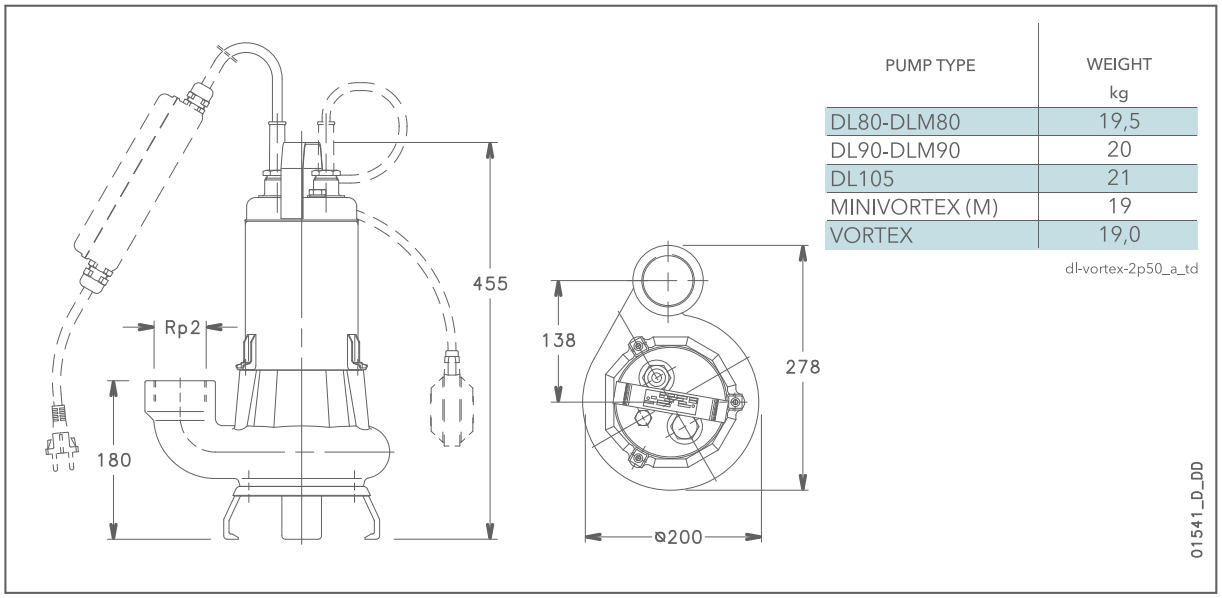
PUMP TYPE SINGLE-PHASE	ABSORBED POWER* kW	ABSORBED CURRENT* 220-240 V A	CAPACITOR µF / 450 V
MINI VORTEX M	1,05	4,82	25
-	-	-	-
DLVM100	1,64	7,30	35
-	-	-	-

PUMP TYPE THREE-PHASE	ABSORBED POWER* kW	ABSORBED CURRENT* 220-240 V A	ABSORBED CURRENT* 380-415 V A
MINI VORTEX	1,10	-	2,36
VORTEX-DLF VORTEX	1,66	5,11	2,95
DLV 100	1,65	5,63	3,25
DLV 115	2,25	6,81	3,93

*Maximum values within operating range.

dlv-2p50-en_b_te

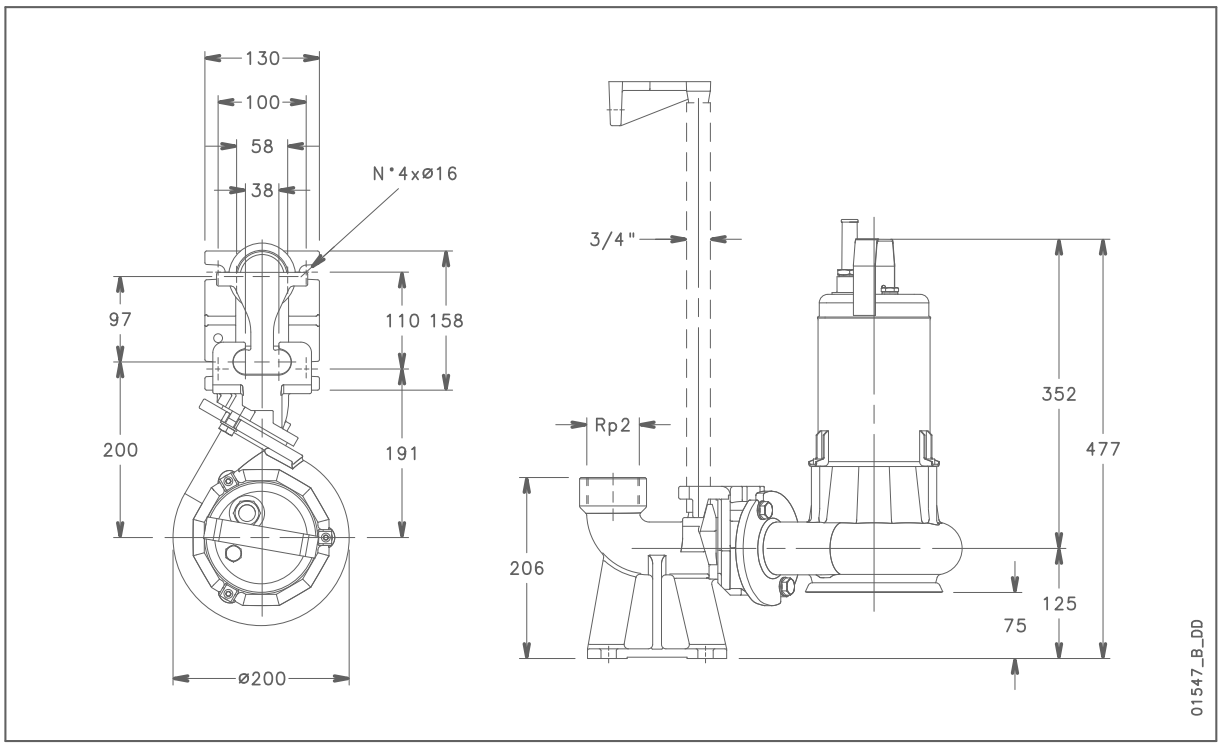
DL - VORTEX SERIES
Dimensions and weights



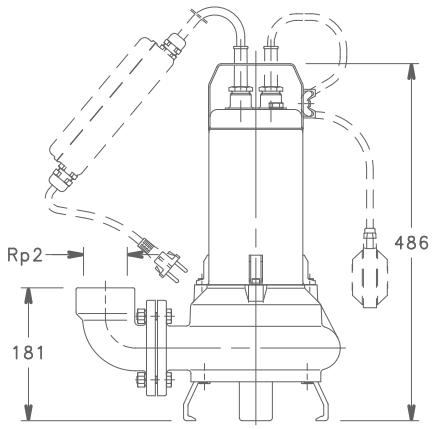
PUMP TYPE	WEIGHT kg
DL80-DLM80	19,5
DL90-DLM90	20
DL105	21
MINIVORTEX (M)	19
VORTEX	19,0

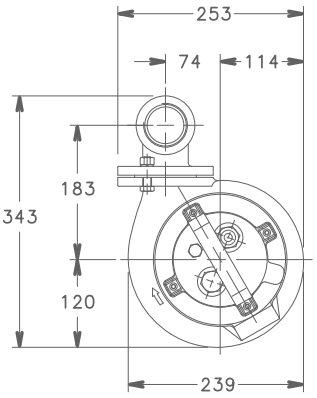
dl-vortex-2p50_a_td

DLF SERIES
Installations examples



DL - VORTEX SERIES
Dimensions and weights





PUMP TYPE	WEIGHT kg
DL109-DLM109	27
DL125	27
DLV100-DLVM100	27
DLV115	27

dl-dlv-2p50_a_td

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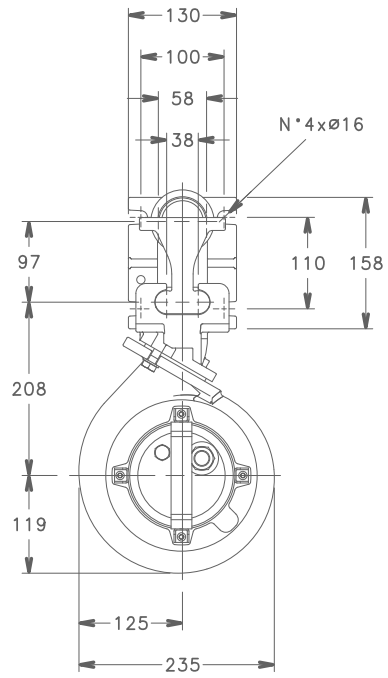
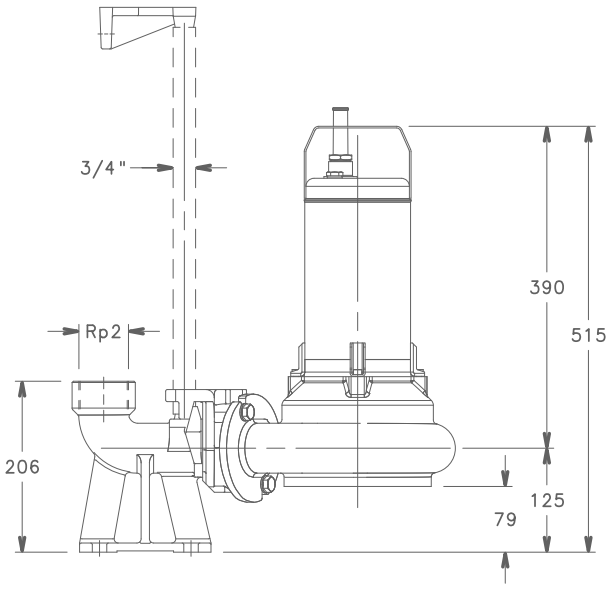
DL - VORTEX SERIES
Installations examples





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