

English

TECHNICAL PRODUCT INFORMATION

ISSUED 20 MAY 2026 BY LB

Jets® 999999 / Q-31254-26
Impexron GmbH
FW: Request for quotation 1924925

Disclaimer: The information contained in this document is general in nature and provided as reference material only. This information is not specific to any order/installation, nor does it replace (or purport to replace) any requirement for Jets® official order specific documentation. If you require specific documentation for your order/installation, that documentation should always be obtained via an approved Jets® sales agent or via an order placement.

Every effort has been made to ensure that the information contained in the document is accurate at the time of creation, however, the Information may not be complete or accurate for your purposes and no representation or warranty is given as to the accuracy of any of the information provided. Jets Vacuum AS reserves the right to make changes without notification.

Copyright is the property of Jets Vacuum AS. For more information go to www.jetsgroup.com.

Table of Contents

	Table of Contents.....	2
	Product Specification.....	3
200015003	Jets® Edge S01D Vacuumarator® pump.....	4
031001501	Motor.....	9

Product Specification

200015003 Jets Edge S01D Vacuumator Pump

031001501 Motor



Example image only.

Vacuumator® pumps are the most compact, efficient, and reliable pumps available for vacuum wastewater systems. Jets® Edge S01D Vacuumator® pump is designed for optimal performance in more demanding installations with high water-to-air ratios and increased discharge back pressure. The pump can also be installed as a pure discharge pump for emptying a tank or similar.

Features:

- Small physical footprint and low weight allows quick and flexible installation
- In line installation - direct discharge to sewer, STP (Sewage Treatment Plant) or collecting tank
- Multiphase design - pumps combinations of air, black and grey water
- Low energy consumption
- High quality – extended pump life

Technical Data



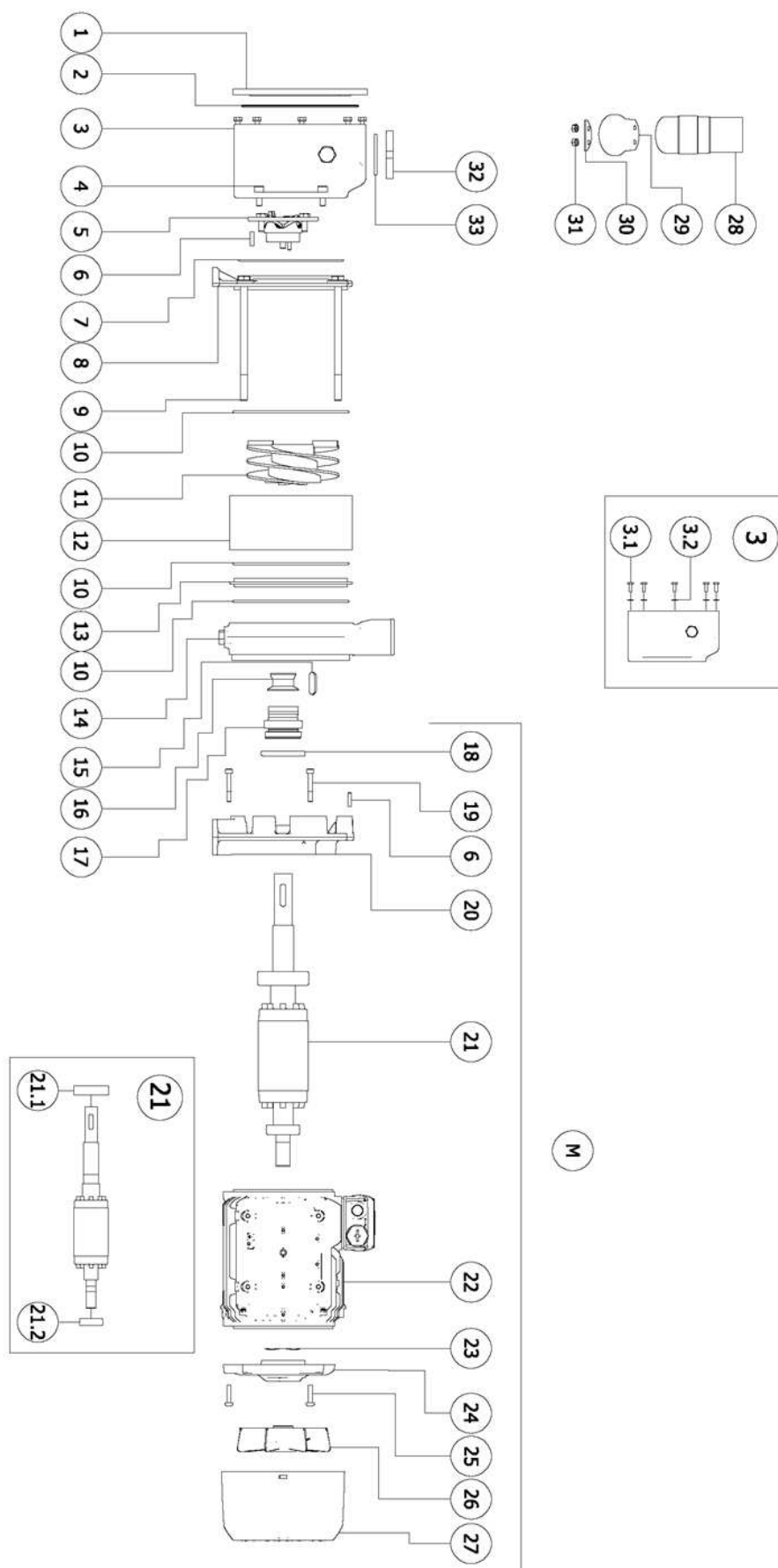
Pump Type.....	Multiphase ①
	Discharge Pump ②
Capacity.....	10 m³/h (ACMH) at 500 mbar abs. (50% vac.) 50 Hz ①
	14 m³/h (ACMH) at 500 mbar abs. (50% vac.) 60 Hz ①
	Refer to the capacity curves ②
Back Pressure.....	Max. 0.3 bar ①
	Refer to the capacity curves ②
Outside Dimensions.....	561 x 214 x 273 mm (LxWxH)
Connection Inlet.....	Ø 50 mm
Connection Outlet.....	Ø 50 mm
Protection Class.....	IP 55
Insulation Class.....	155(F) to 130(B)
Duty.....	S1-100%
Ambient Temperature Range.....	+0 °C - 55 °C
Net Weight.....	37.00 kg

Operating Data

Frequency.....	50 // 60 Hz
Voltage.....	Y380-420/Δ220-240 // Y440-480/Δ N/A V
Nominal Current.....	4.7/8.2 // 4.55/ N/A A
Speed.....	CCW 2855 // 3450 rpm
Power Output.....	2.2 // 2.55 kW
Power Factor.....	0.85 // 0.86 cos φ
Efficiency.....	79.7 // 81.5%
Heat Dissipation.....	Approx. 0.6 kW

Disclaimer

Note: Our products and services are offered and sold subject to Jets Vacuum AS' General Sales Conditions, copies of which will be furnished upon request. Information provided herein is solely for information purposes, does not constitute any warranty or representation of any kind and is subject to change without notice. We strive to reproduce product colors reasonably accurate. Without prior written approval, this document or any part of may not be reproduced in any form. Jets®, Vacuumator®, RagBox®, Helivac™, VC™, VOD™, CVS™ and Softsound™ are trademarks and/or registered trademarks of Jets. © Jets AS. All rights reserved.



Components

1	Cover	029150310*
2	O-ring	037219210*
3	Suction Chamber, Complete	029150321*
4	Screw, M8x20	036207620*
5	Macerator	029150450*
6	Split Sleeve, ø5x20mm	020207800*
7	O-ring	037219220*
8	End Flange 15MB	029150601*
9	Bolt, M10x170	029152401*
10	O-ring	037219200*
11	Rotor	029150701*
12	Rotor Housing	029150800*
13	Flange	029150391*
14	Pressure Chamber w/plug	029150903*
15	Key	021201800*
16	Spacer Sleeve	029151800*
17	Shaft Seal ø30mm	038201501*
18	Sealing Ring	037219240*
19	Screw, M6x40	036532016*
20	Motor Flange	031150253*
21	Shaft with Rotor and Ball Bearing	031150271*
22	Stator	031000311*
@ 50 // 60 Hz @ Y380-420/Δ220-240 // Y440-480/Δ N/A V		
23	Spacer Sleeve	036291501*
24	Cover	031150231*
25	Screw, M6x25	036532019*
26	Fan	031150211*
27	Fan Cover	031150221*
28	Flap valve	029151001*
29	Rubber Flap	037302200*
30	Plate for flap valve	029151003*
31	Lock nut, M6	036232920*
32	Nut for flap valve	029151900*
33	O-ring	037219250*

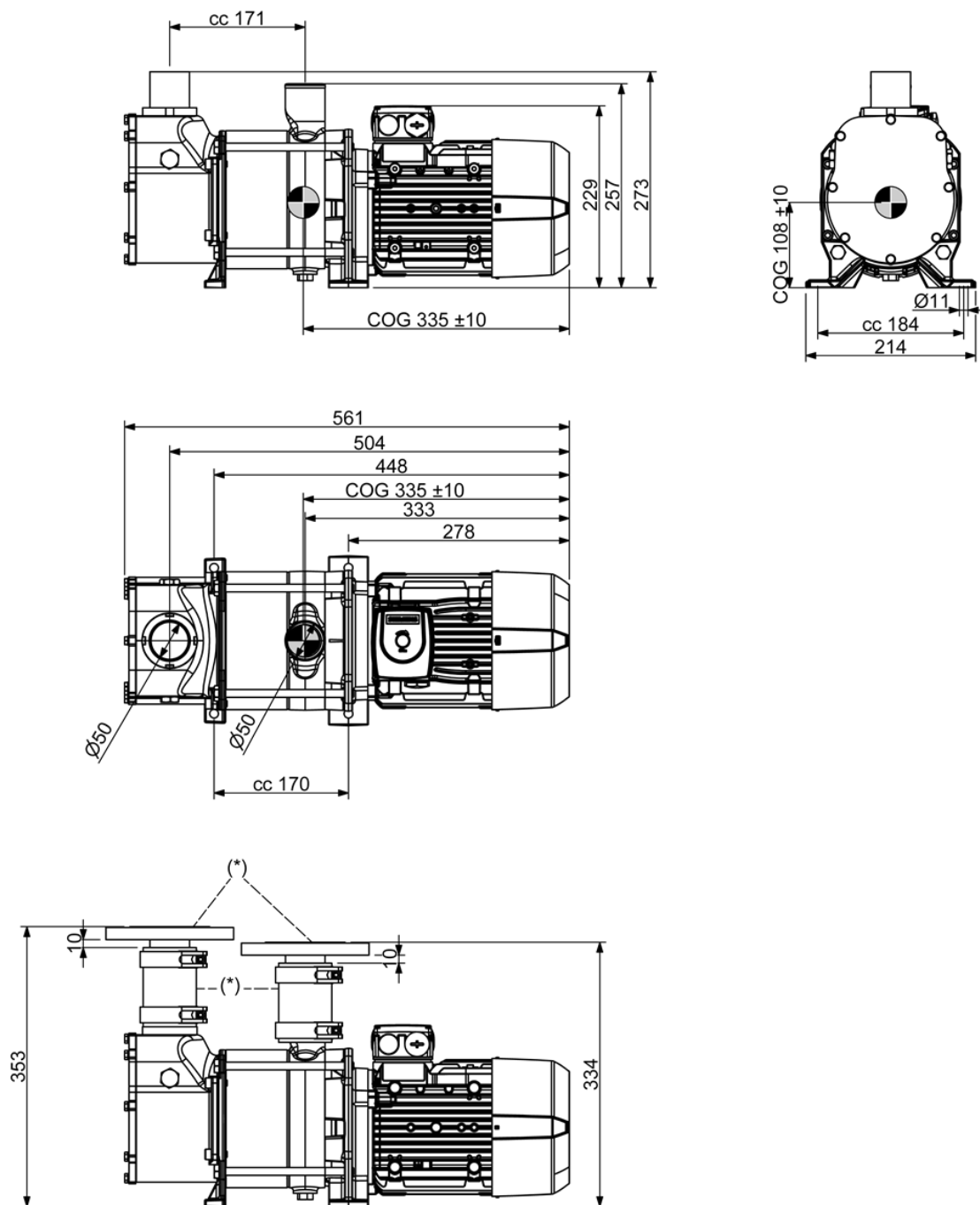
Vibration absorber M8	030303400
Overhaul Kit Edge S Pump	998001501
O-Ring Kit Edge S Pump	998001551

* Component/s available as replacement parts.

Additional Components

3.1	Bolt, M6x16	036305000
3.2	Washer, M6	036304901
21.1	Ball Bearing	038201710
21.2	Ball Bearing	038201720
M	Motor	031001501
@ 50 // 60 Hz @ Y380-420/Δ220-240 // Y440-480/Δ N/A V		
	Compensator, ø50mm w/Hose Clip	034307100
	Flange w/connecting pipe DN50	029152100
	Macerator Alignment Tool 15MB/S	816100117

Dimension Drawings



- 1 meter vertical pipe on the Vacuumator® pump outlet must be provided in order to avoid dry running of the pump.
- If pipe volume is less than 180 L it is recommended to install an accumulating tank close to the Vacuumator® pump inlet.
- Measurements given in mm.
- (*) Compensator and flange available as additional components.

Function and Principle

Description

Flap Valve: Facilitates flow into the pump, seals vacuum in the pipes and prevents backflow.

Macerator: The macerator grinds any solids to a fine pulp.

Helical Screw: The helical screw uses liquid to create a seal facilitating vacuum in the pump housing.

Shaft: The shaft is the connecting factor between the macerator, helical screw and motor. It supports and rotates the helical screw and macerator.

Motor: Supplies power to support pump function.

Fan: The fan provides cooling for the motor.

Inlet: Flow inlet from the source into the pump.

Outlet: Flow outlet from the pump to the pipe connection/discharge.

Explanation of the Vacuumator® Pump Function

- ① Inlet
- ② Flap Valve
- ③ Macerator
- ④ Helical Screw

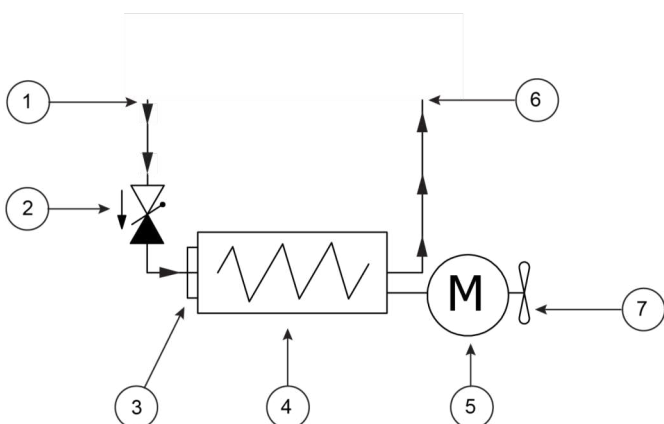
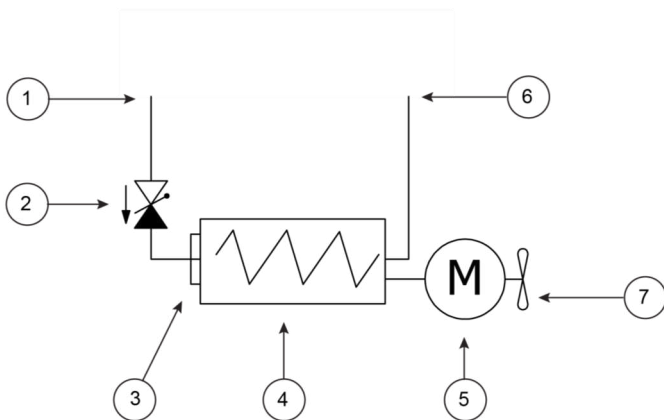
- ⑤ Motor
- ⑥ Outlet
- ⑦ Fan

Normal Position - Pump Inactive

- Motor ⑤ - INACTIVE
Fan ⑦ - INACTIVE
- Helical Screw ④ - INACTIVE
Macerator ③ - INACTIVE
- Flap Valve ② - CLOSED

Running Conditions - Activated Sequence

- Motor ⑤ - ACTIVATED
Fan ⑦ - ACTIVATED
- Helical Screw ④ - ACTIVATED
Macerator ③ - ACTIVATED
- Inlet ① - FLOWS
- Flap Valve ② - OPENS
- Outlet ⑥ - FLOWS
- Motor ⑤ - DEACTIVATED
Fan ⑦ - DEACTIVATED
- Helical Screw ④ - DEACTIVATED
Macerator ③ - DEACTIVATED
- Flap Valve ② - CLOSES
- Inlet ① - FLOW STOPS
Outlet ⑥ - FLOW STOPS





The precision engineered industrial motor is designed to provide optimal performance and reliability over an extended lifetime.

Disclaimer

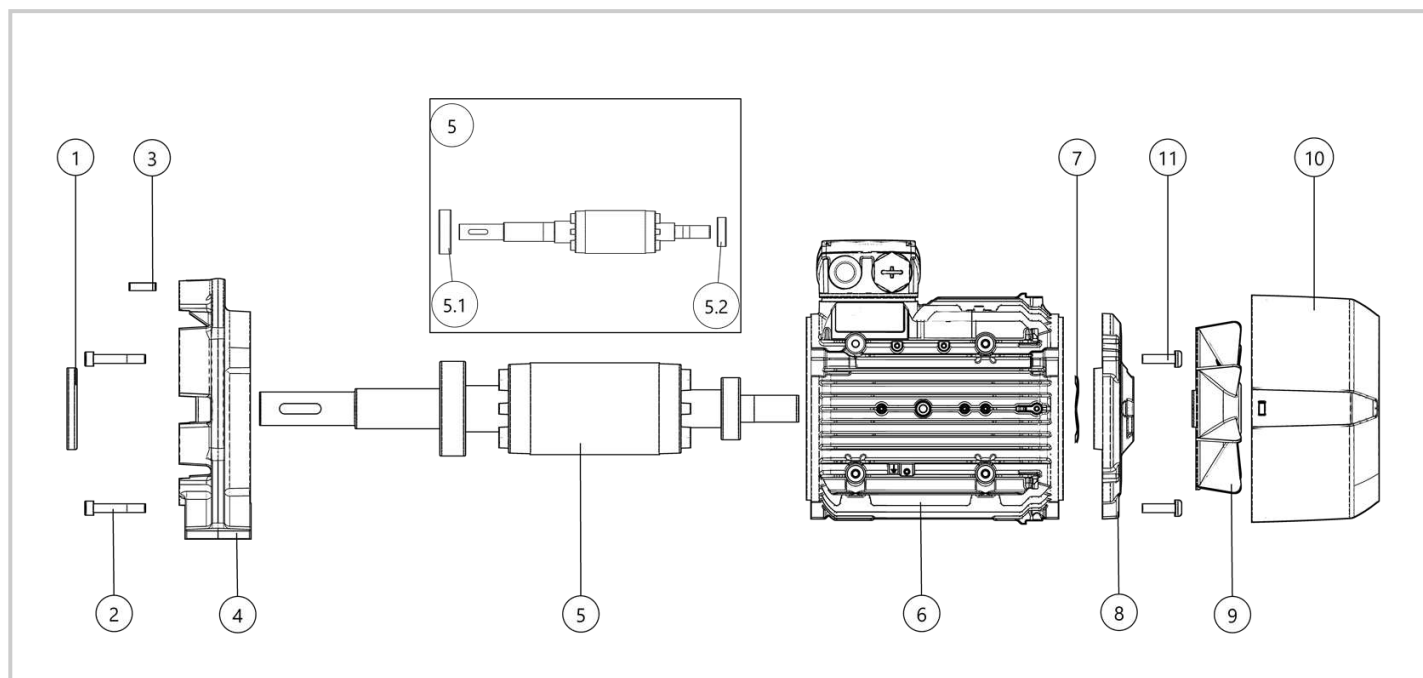
Note: Our products and services are offered and sold subject to Jets Vacuum AS' General Sales Conditions, copies of which will be furnished upon request. Information provided herein is solely for information purposes, does not constitute any warranty or representation of any kind and is subject to change without notice. We strive to reproduce product colors reasonably accurate. Without prior written approval, this document or any part of may not be reproduced in any form. Jets®, Vacuumarator®, RagBox®, Helivac™, VC™, VOD™, CVS™ and Softsound™ are trademarks and/or registered trademarks of Jets. © Jets AS. All rights reserved.

Technical Data

Mark.....	M90-51
Motor Type.....	1TZ9 A 90L-2
Number of Poles.....	2 Poles
Protection Class.....	IP 55
Insulation Class.....	155(F) to 130(B)
Duty.....	S1-100%
Outside Dimensions.....	420 x 214 x 230 mm (LxWxH)
Generic Material.....	Aluminium
Ambient Temperature Range.....	+20 °C - 55 °C
Humidity.....	Class F / 95%
Coating.....	Standard paint finish C2
Color Specification.....	RAL 7030
Net Weight.....	18.60 kg

Operating Data

Frequency.....	50 // 60 Hz
Power Output.....	2.2 // 2.55 kW
Speed.....	CCW 2855 // 3450 rpm
Voltage.....	Y380-420/Δ220-240 // Y440-480/Δ N/A V
Nominal Current.....	4.7/8.2 // 4.55/ N/A A
Power Factor.....	0.85 // 0.86 cos φ
Efficiency.....	79.7 // 81.5%
Suitability - Jets®.....	200015001 Jets Edge S01 200015003 Jets Edge S01D 200015005 Jets 15 Feed 200015007 Jets 15 Sludge Return



Components

1	Sealing Ring	037219240*
2	Screw, M6x40	036532016*
3	Split Sleeve, $\varnothing 5 \times 20 \text{ mm}$	020207800*
4	Motor Flange	031150253*
5	Shaft with Rotor and Ball Bearing	031150271*
6	Stator	031000311*
	$\varnothing 50 // 60 \text{ Hz}$ $\varnothing Y380-420/\Delta 220-240 //$ $Y440-480/\Delta \text{ N/A}$ V	
7	Spacer Sleeve	036291501*
8	Cover	031150231*
9	Fan	031150211*
10	Fan Cover	031150221*
11	Screw, M6x25	036532019*

Additional Components

5.1	Ball Bearing	038201710
5.2	Ball Bearing	038201720

* Component/s available as replacement parts.



Jets Vacuum AS | Myravegen 1 | NO-6060 Hareid | Norway
Tel: (+47) 70 03 91 00 | E-mail: post@jetsgroup.com

www.jetsgroup.com