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**Customer**

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## Tender text

Project name: Untitled project 2015-12-21 20:08:13.183  
Project ID: E423C401-E8C4-46C1-B742-0F104CE7102A  
Installation location:  
Customer pos.no:

Date: 2015-12-21

Pos.no	Quant.	Description	PG
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1		<p><b>Description: Submersible sewage pump</b></p> <p>Rexa FIT V05DA-224/EAD1-2-T0025-540-0</p> <p>Fully submersible submersible sewage pump for stationary and transportable glandless operation for pumping waste water and sewage containing faecal matter (within the area of application of EN 12050). Hydraulics housing and impeller made of cast iron, motor housing made of stainless steel. Dry motor in three-phase version with sealing chamber and thermal motor monitoring. 10-metre connection cable with bare cable ends. The medium-sided and motor-sided sealing is performed by two rotation-independent mechanical shaft seals.</p> <p><b>Operating data</b></p> <p>Fluid to be pumped : Water 100 % Fluid temperature : 20 °C Volume flow : Delivery head : Delivery head at Q=0 : 18,88 m</p> <p><b>Unit</b></p> <p>Type of impeller : Vortex impeller Free ball passage : 50 mm Maximum operating pressure : 2 bar Max. immersion depth : 20 m Min. fluid temperature : 3 °C Max. fluid temperature : 40 °C</p> <p><b>Motor</b></p> <p>Mains connection : 3~400V/50 Hz Permitted voltage tolerance : ±10 % % Rated power P<sub>2</sub> : 2,5 kW Power consumption P<sub>1</sub> : 3,2 kW Rated current : 5,5 A Starting current : 31 A Activation type : Direct starting Operating mode (immersed) : S1 Operating mode (non-immersed) : S2-15 min, S3-10% Rated speed : 2848 1/min Power factor : 0,84 Protection class : IP 68 Insulation class : F Max. switching frequency : 20</p> <p><b>Equipment/function</b></p> <p>Explosion protection : - Motor protection : WSK Float switch : no Macerator : no Motor leakage detection : no Sealing chamber leakage detection : Leakage chamber leakage detection : no</p> <p><b>Cable</b></p> <p>Length of connecting cable : 10 m Cable type : H07RN-F Cable cross-section : 6G1 Type of connecting cable : Detachable Mains plug : CEE / no</p> <p><b>Materials</b></p> <p>Static seal : NBR Impeller : EN-GJL-250</p>	PG7
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Pos.no	Quant.	Description	PG
		Mechanical seal Sealing on motor side Pump housing Motor housing Pump shaft	: SiC/SiC : Carbon/steatite : EN-GJL-250 : 1.4301 : 1.4021 [AISI420]
		<b>Fitting dimensions</b> Pipe connection on the suction side Pipe connection on the pressure side	: DN 50 : DN 50/Rp 2
		<b>Information for order placements</b> Make Type Weight approx.	: Wilo : Rexa FIT V05DA-224/EAD1-2-T0025-540-O : 41,1 kg
		<b>Item number</b>	: <b>6064591</b>

**Customer**

## Technical data

### Submersible sewage pump

Rexa FIT V05DA-224/EAD1-2-T0025-540-O

Project name Untitled project 2015-12-21 20:08:13.183

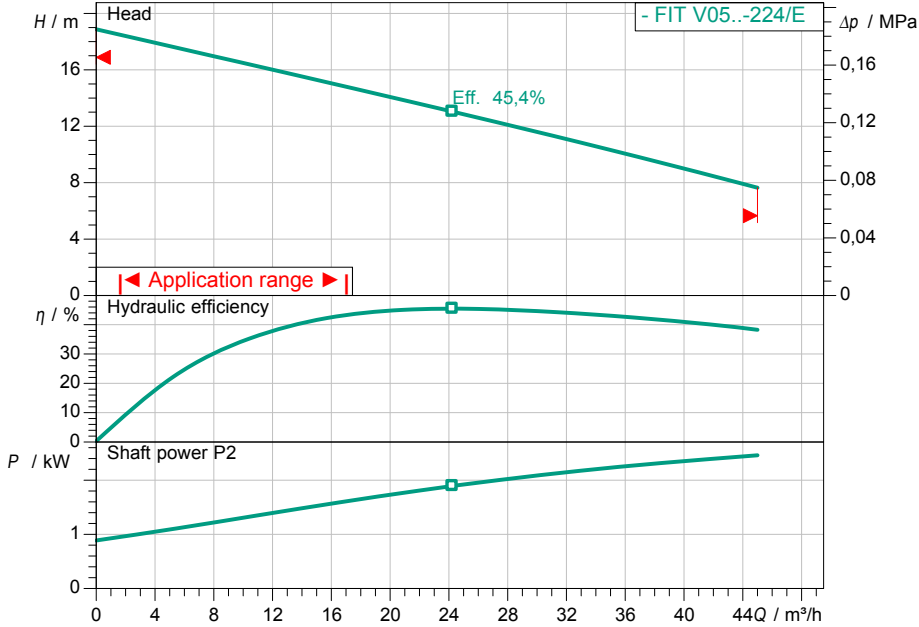
Project ID E423C401-E8C4-46C1-B742-0F104CE7102A

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#### Duty chart



#### Requested data

Flow	
Head	
Media	Water 100 %
Fluid temperature	20,00 °C
Density	998,30 kg/m³
Kin. viscosity	1,00 mm²/s

#### Hydraulic data (Duty point)

Flow	
Head	
Power input P1	
Total efficiency	

#### Product data

Submersible sewage pump	
Rexa FIT V05DA-224/EAD1-2-T0025-540-O	
Max. operating pressure	0,2 MPa
Fluid temperature	3 °C ... +40 °C
Maximum submergence depth	20 m
Free ball passage	50 mm

#### Motordata per Motor/Pump

Mains connection	3~ 400 V / 50 Hz
Permitted voltage tolerance	±10 %
Nominal speed	2848 1/min
Rated power P2	2,50 kW
Power input P1	3,2 kW
Rated current	5,50 A
Activation type	Direct starting
Degree of protection	IP 68
Float switch	no
Motor protection	WSK
Insulation class	F
Operating mode (immersed)	S1
Operating mode	S2-15 min, S3-10%
Max. operating rate	20 1/h

#### Cable

Length of connecting cable	10 m
Cable type	H07RN-F
Cable cross section	6G1
Type of connecting cable	Detachable
Mains plug	CEE / no

#### Fitting dimensions

Pipe connection on the suction side	DN 50, PN 10
Pipe connection on the pressure side	DN 50/Rp 2, PN 10

#### Materials

Static seal	NBR
Impeller	EN-GJL-250
Mechanical seal	SIC/SiC
Sealing on motor side	Carbon/steatite
Pump housing	EN-GJL-250
Motor housing	1.4301
Pump shaft	1.4021 [AISI420]

#### Information for order placements

Weight approx.	41,1 kg
Item number	6064591

