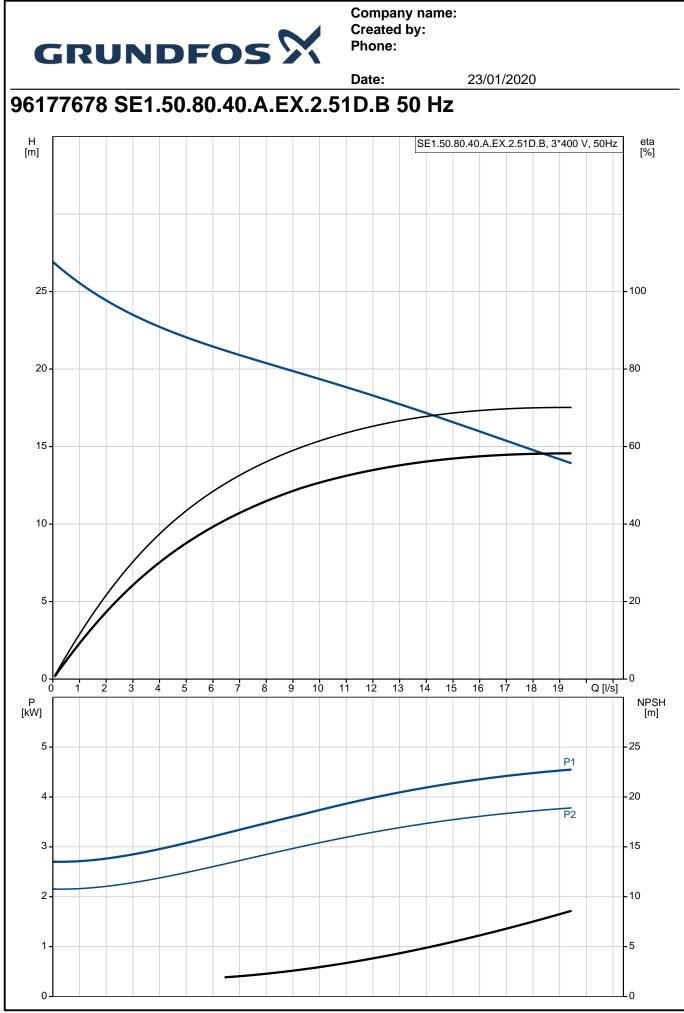


Date: 23/01/2020 Qty. Description SE1.50.80.40.A.EX.2.51D.B 1 Note! Product picture may differ from actual product Product No.: 96177678 Non-self-priming, single-stage, centrifugal pump designed for handling wastewater, process water and unscreened raw sewage. The pump is designed for intermittent and continous operation. The liquidless and maintenance free cooling system ensures that the pump can be used for submerged or dry installation. The revolutionary S-tube® impeller provides free spherical passage of solids up to 50 mm and is suitable for wastewater with a dry matter content of up to 3 %. A unique stainless-steel clamp assembling system enables quick and easy disassembly of the pump from the motor unit for service and inspection. No special tools are required. Pipework connection is via a DIN flange. The pump is explosion-proof. **Controls:** Moisture sensor: with moisture sensors Water-in-oil sensor: with water-in-oil sensor Temp. sensor: Y Liquid: Pumped liquid: Any Newtonian liquid Liquid temperature range: 0..40 °C Density: 998.2 kg/m³ **Technical:** Type of impeller: S-TUBE Maximum particle size: 50 mm Primary shaft seal: SIC/SIC Secondary shaft seal: CARBON/CERAMICS Max. hydraulic efficiency: 68 % Approvals on nameplate: EN12050-2 Curve tolerance: ISO9906:2012 3B2 Materials: Pump housing: EN 1561 EN-GJL-250 Impeller: Cast iron Installation: Maximum operating pressure: 6 bar Flange standard: DIN Pump outlet: **DN 80** Pressure rating: **PN 10** Maximum installation depth: 20 m **Electrical data:** Power input - P1: 4.8 kW Rated power - P2: 4 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-415 V Voltage tolerance: +6/-10 %



		Date:	23/01/2020	
Description				
Max starts per. hour: Rated current: Rated current at 3/4 load: Rated current at 3/4 load: Starting current at 1/2 load: Starting current: Rated current at no load: Cos phi - power factor: Cos phi - p.f. at no load: Cos phi - p.f. at 3/4 load: Cos phi - p.f. at 3/4 load: Cos phi - p.f. at 1/2 load: Rated speed: Locked-rotor torque: Breakdown torque: Moment of inertia: Motor efficiency at full load: Motor efficiency at 3/4 load: Motor efficiency at 1/2 load: Number of poles:	20 8.7-8.5 A 6.7 A 5.4 A 71 A 3.9 A 0.84 0.15 0.78 0.68 2925 rpm 40 Nm 54 Nm 0.019 kg m ² 83.3 % 82.4 % 79.2 % 2			
Start. method: Enclosure class (IEC 34-5): Insulation class (IEC 85): Explosion proof: Ex-protection standard: Length of cable: Cable type: Type of cable plug:	z star/delta IP68 F yes Ex cd mb IIB T4,T3 10 m LYNIFLEX NO PLUG			
Others: Net weight: Country of origin: Custom tariff no.:	124 kg HU 84137021			





		Date:	23/01/2020
Description	Value	H [m]	SE1.50.80.40.A.EX.2.51D.B, 3*400 V, 50Hz [%]
Description General information:	value	[111]	
Product name:			
	SE1.50.80.40.A.EX.2.51D.B	_	
Product No:	96177678	_	
EAN number:	5700830442944 5700830442944	25 -	100
Price:	4.461,00 GBP	_	
Technical:		20 -	80
Max flow:	19.4 l/s	20 -	
Head max:	26.9 m	-	
Type of impeller:	S-TUBE	15 -	60
Maximum particle size:	50 mm	-	
Primary shaft seal:	SIC/SIC	-	
Secondary shaft seal:	CARBON/CERAMICS	10 -	40
Max. hydraulic efficiency:		_	
	68 % EN12050-2	_ //	
Approvals on nameplate:		5-	
Curve tolerance:	ISO9906:2012 3B2	_ //	
Cooling jacket:	with cooling jacket		
Materials:		0 2	4 6 8 10 12 14 16 18 Q [l/s]
Pump housing:	EN 1561 EN-GJL-250	P [kW]	NPSH
Impeller:	Cast iron	[kW] 5 -	[m]
Installation:		0	P1 23
Maximum operating pressure:	6 bar	4 -	- 20
Flange standard:	DIN		P2
Pump outlet:	DN 80	3-	15
Pressure rating:	PN 10	2	- 10
Maximum installation depth:	20 m	2-	
Inst dry/wet:	DRY/SUBMERGED	1 -	5
Installation:	horizontal or vertical	_	
Liquid:		- ₀	
Pumped liquid:	Any Newtonian liquid		
Liquid temperature range:	0 40 °C		
Density:	998.2 kg/m ³	200 1 / / / /	245- -
Electrical data:	555.2 kg/m		50 879
Power input - P1:	4.8 kW		
Rated power - P2:	4 kW	<u>M16</u>	
Mains frequency:	50 Hz		Д
	3 x 380-415 V	/#	
Rated voltage:		- / !	
Voltage tolerance:	+6/-10 %	_ / /	836
Max starts per. hour:	20	_	
Rated current:	8.7-8.5 A		
Rated current at 3/4 load:	6.7 A	100	
Rated current at 1/2 load:	5.4 A	227	
Starting current:	71 A	407	_
Rated current at no load:	3.9 A		
Cos phi - power factor:	0.84	Hlow/Gi	reen
Cos phi - p.f. at no load:	0.15	(Carlow) G	
Cos phi - p.f. at 3/4 load:	0.78	at a	, () ()
Cos phi - p.f. at 1/2 load:	0.68		
Rated speed:	2925 rpm		$\overline{\mathbf{z}}$
Locked-rotor torque:	40 Nm		
Breakdown torque:	54 Nm		<i>b</i> ²
Moment of inertia:	0.019 kg m ²		
Motor efficiency at full load:	83.3 %		1
Motor efficiency at 3/4 load:	82.4 %		⊕ L1 L2 L3 Y
Motor efficiency at 1/2 load:	79.2 %		
-		13154622 V1_V1_W1_U2_V2_W2	⊕1131514162171819 □u1v1v1w1u2v2w2
Number of poles:	2 stor/dolta		╎╎╽╷╽╷╷╷╷╴┥╸╎
Start. method:	star/delta		
Enclosure class (IEC 34-5):	IP68		

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		Date:	23/01/2020	
Description	Value			
Insulation class (IEC 85):	F			
Explosion proof:	yes			
Ex-protection standard:	Ex cd mb IIB T4,T3			
Motor protec:	THERMAL SWITCH			
Thermal protec:	internal			
Length of cable:	10 m			
Cable type:	LYNIFLEX			
Type of cable plug:	NO PLUG			
Controls:				
Control box:	not included			
Moisture sensor:	with moisture sensors			
Water-in-oil sensor:	with water-in-oil sensor			
Temp. sensor:	Y			
Others:				
Net weight:	124 kg			
Country of origin:	HU			
Custom tariff no .:	84137021			

