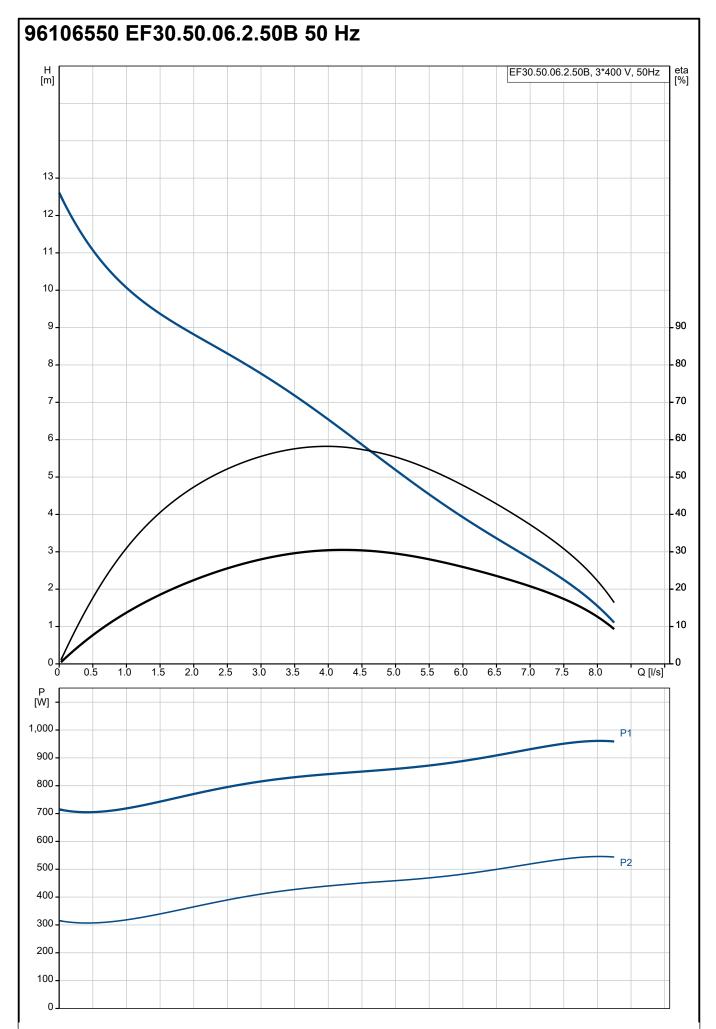
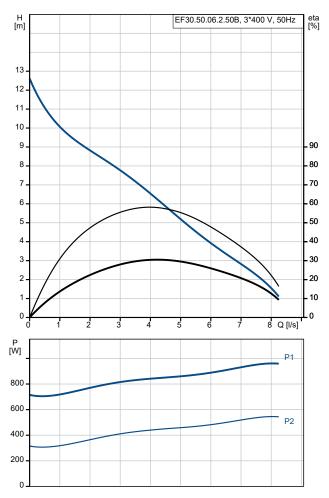
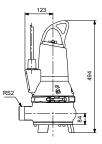
Qty.	Description					
1	EF30.50.06.2.50B					
		Note! Product picture may differ from actual product				
	Product No.: 96106550					
	GRUNDFOS EF pump is a porta	ble pump for both domestic and industrial applications.				
	<ul> <li>drainage and surface water with</li> <li>wastewater with fibres, e.g. fror</li> <li>wastewater without discharge fit</li> </ul>	e pump has a single-vane, semi-open impeller for 30mm free passage and is suitable for pumping rainage and surface water with small impurities vastewater with fibres, e.g. from laundries vastewater without discharge from toilets vastewater from commercial buildings without discharge from toilets.				
	The compact design makes the p	oump suitable for both temporary and permanent installation.				
	The pump is a cast iron submers	ible pump with integrated submersible 3-phase motor. Approvals: LGA				
	The pump has an intermediate o	il chamber pre-filled with non-toxic special oil.				
	The pump is fitted with a cable pl prevent water from penetrating th	ug for easy dismantling. This plug is hermetically sealed with polyurethane to prough the cable into the motor.				
	A clamp between pump housing done in the field without any spec	and motor ensures easy and safe dismantling and assembly. Inspection can be cial tools.				
	The pump is fitted with a double very quickly in the field without a	shaft seal in the unique cartridge design. This makes it easy to replace the shaft seal ny special tools. It also eliminates the risk of faulty installation.				
	The motor is insulation class F a	nd has long-life, deep-groove, greased-for-life ball bearings.				
	The pump has R 2 discharge port and is ready for installation either free-standing or on an auto-coupling system.					
	Controls: Moisture sensor: Water-in-oil sensor: AUTOADAPT with/without (Yes/I	without moisture sensors without water-in-oil sensor No): NO				
	Liquid: Liquid temperature range: Density:	0 40 °C 998.2 kg/m³				
	Technical: Max flow: Type of impeller: Maximum particle size: Primary shaft seal: Max. hydraulic efficiency: Approvals on nameplate: Curve tolerance:	9.11 I/s SEMI OPEN 30 mm SIC/SIC 60 % LGA ISO9906:2012 3B2				
	Materials: Pump housing: Impeller:	Cast iron EN-GJL-250 Cast iron EN-GJS-500-7				

Qty.	Description	
1	Installation:	
1'	t max amb:	40 °C
	Maximum operating pressure:	6 bar
	Pump outlet:	R 2
	Maximum installation depth:	10 m
	Auto-coupling:	Y
	Electrical data:	
	Power input - P1:	1 kW
	Rated power - P2:	0.6 kW
	Mains frequency:	50 Hz
	Rated voltage:	3 x 400-415 V
	Voltage tolerance:	+6/-10 %
	Max starts per. hour: Rated current:	30 2.3/2.3 A
	Rated current at 3/4 load:	2.5/2.5 A 2.1 A
	Rated current at 1/2 load:	2 A
	Starting current:	21 A
	Rated current at no load:	1.9 A
	Cos phi - power factor:	0.65
	Cos phi - p.f. at 3/4 load:	0.58
	Cos phi - p.f. at 1/2 load:	0.50
	Rated speed:	2920 rpm
	Locked-rotor torque:	11 Nm
	Breakdown torque:	12 Nm
	Moment of inertia:	0.0035 kg m²
	Motor efficiency at full load:	59 %
	Motor efficiency at 3/4 load:	53 %
	Motor efficiency at 1/2 load:	43 %
	Number of poles:	2
	Start. method:	direct-on-line
	Enclosure class (IEC 34-5):	IP68
	Insulation class (IEC 85):	F
	Explosion proof:	no
	Length of cable:	10 m
	Cable type:	H07RN-F
	Type of cable plug:	No plug
	Others:	
	Net weight:	41 kg
	Danish VVS No.:	391293112
	Swedish RSK No.:	5885873
	Finnish LVI No.:	4822599
	Country of origin:	DE
	Custom tariff no.:	84137021

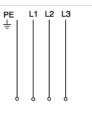


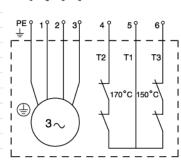
Description	Value
General information:	
Product name:	EF30.50.06.2.50B
Product No:	96106550
EAN number:	5700396853970
Technical:	0.44.1/-
Max flow:	9.11 l/s
Head max:	13.7 m
Type of impeller:	SEMI OPEN
Maximum particle size:	30 mm SIC/SIC
Primary shaft seal:	60 %
Max. hydraulic efficiency:	LGA
Approvals on nameplate: Curve tolerance:	ISO9906:2012 3B2
Materials:	1309900.2012 3B2
	Cast iron
Pump housing:	EN-GJL-250
Pump housing: Impeller:	Cast iron
Impeller:	EN-GJS-500-7
Installation:	EN-GJ3-500-7
t max amb:	40 °C
	40 °C 6 bar
Maximum operating pressure: Pump outlet:	6 bar R 2
•	R 2 10 m
Maximum installation depth: Inst dry/wet:	10 m S
Installation:	vertical
	Y
Auto-coupling:	ř
Liquid: Liquid temperature range:	0 40 °C
Density:	998.2 kg/m <sup>3</sup>
Electrical data:	996.2 Kg/III-
Power input - P1:	1 kW
Rated power - P2:	0.6 kW
Mains frequency:	50 Hz
Rated voltage:	3 x 400-415 V
Voltage tolerance:	+6/-10 %
Max starts per. hour:	30
Rated current:	2.3/2.3 A
Rated current at 3/4 load:	2.1 A
Rated current at 1/2 load:	2.1 A 2 A
Starting current:	21 A
Rated current at no load:	1.9 A
Cos phi - power factor:	0.65
Cos phi - p.f. at 3/4 load:	0.58
003 pm - p.i. al 0/4 10au.	0.00
	0.50
Cos phi - p.f. at 1/2 load:	0.50 2920 rpm
Cos phi - p.f. at 1/2 load: Rated speed:	2920 rpm
Cos phi - p.f. at 1/2 load: Rated speed: Locked-rotor torque:	2920 rpm 11 Nm
Cos phi - p.f. at 1/2 load: Rated speed: Locked-rotor torque: Breakdown torque:	2920 rpm 11 Nm 12 Nm
Cos phi - p.f. at 1/2 load: Rated speed: Locked-rotor torque: Breakdown torque: Moment of inertia:	2920 rpm 11 Nm 12 Nm 0.0035 kg m <sup>2</sup>
Cos phi - p.f. at 1/2 load: Rated speed: Locked-rotor torque: Breakdown torque: Moment of inertia: Motor efficiency at full load:	2920 rpm 11 Nm 12 Nm 0.0035 kg m <sup>2</sup> 59 %
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:	2920 rpm 11 Nm 12 Nm 0.0035 kg m <sup>2</sup> 59 % 53 %
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:	2920 rpm 11 Nm 12 Nm 0.0035 kg m <sup>2</sup> 59 % 53 % 43 %
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:	2920 rpm 11 Nm 12 Nm 0.0035 kg m <sup>2</sup> 59 % 53 % 43 % 2
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: Start. method:	2920 rpm 11 Nm 12 Nm 0.0035 kg m <sup>2</sup> 59 % 53 % 43 % 2 direct-on-line
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: Start. method: Enclosure class (IEC 34-5):	2920 rpm 11 Nm 12 Nm 0.0035 kg m <sup>2</sup> 59 % 53 % 43 % 2 direct-on-line IP68
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: Start. method: Enclosure class (IEC 34-5): Insulation class (IEC 85):	2920 rpm 11 Nm 12 Nm 0.0035 kg m <sup>2</sup> 59 % 53 % 43 % 2 direct-on-line IP68 F
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: Start. method: Enclosure class (IEC 34-5): Insulation class (IEC 85): Explosion proof:	2920 rpm 11 Nm 12 Nm 0.0035 kg m <sup>2</sup> 59 % 53 % 43 % 2 direct-on-line IP68 F no
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: Start. method: Enclosure class (IEC 34-5): Insulation class (IEC 85): Explosion proof: Built-in motor protection:	2920 rpm 11 Nm 12 Nm 0.0035 kg m <sup>2</sup> 59 % 53 % 43 % 2 direct-on-line IP68 F no THERMAL SWITCH
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: Start. method: Enclosure class (IEC 34-5): Insulation class (IEC 35): Explosion proof: Built-in motor protection: Thermal protec:	2920 rpm 11 Nm 12 Nm 0.0035 kg m <sup>2</sup> 59 % 53 % 43 % 2 direct-on-line IP68 F no THERMAL SWITCH internal
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: Start. method: Enclosure class (IEC 34-5): Insulation class (IEC 85): Explosion proof: Built-in motor protection: Thermal protec: Length of cable:	2920 rpm 11 Nm 12 Nm 0.0035 kg m <sup>2</sup> 59 % 53 % 43 % 2 direct-on-line IP68 F no THERMAL SWITCH internal 10 m
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: Start. method: Enclosure class (IEC 34-5): Insulation class (IEC 34-5): Insulation class (IEC 85): Explosion proof: Built-in motor protection: Thermal protec: Length of cable: Cable type:	2920 rpm 11 Nm 12 Nm 0.0035 kg m <sup>2</sup> 59 % 53 % 43 % 2 direct-on-line IP68 F no THERMAL SWITCH internal 10 m H07RN-F
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: Start. method: Enclosure class (IEC 34-5): Insulation class (IEC 85): Explosion proof: Built-in motor protection: Thermal protec: Length of cable: Cable type: Type of cable plug:	2920 rpm 11 Nm 12 Nm 0.0035 kg m <sup>2</sup> 59 % 53 % 43 % 2 direct-on-line IP68 F no THERMAL SWITCH internal 10 m
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 3/4 load: Motor efficiency at 1/2 load: Number of poles: Start. method: Enclosure class (IEC 34-5): Insulation class (IEC 85): Explosion proof: Built-in motor protection: Thermal protec: Length of cable: Cable type: Type of cable plug: <b>Controls:</b>	2920 rpm 11 Nm 12 Nm 0.0035 kg m <sup>2</sup> 59 % 53 % 43 % 2 direct-on-line IP68 F no THERMAL SWITCH internal 10 m H07RN-F No plug
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: Start. method: Enclosure class (IEC 34-5): Insulation class (IEC 35): Explosion proof: Built-in motor protection: Thermal protec: Length of cable: Cable type: Type of cable plug: <b>Controls:</b> Control box: Additional I/O:	2920 rpm 11 Nm 12 Nm 0.0035 kg m <sup>2</sup> 59 % 53 % 43 % 2 direct-on-line IP68 F no THERMAL SWITCH internal 10 m H07RN-F





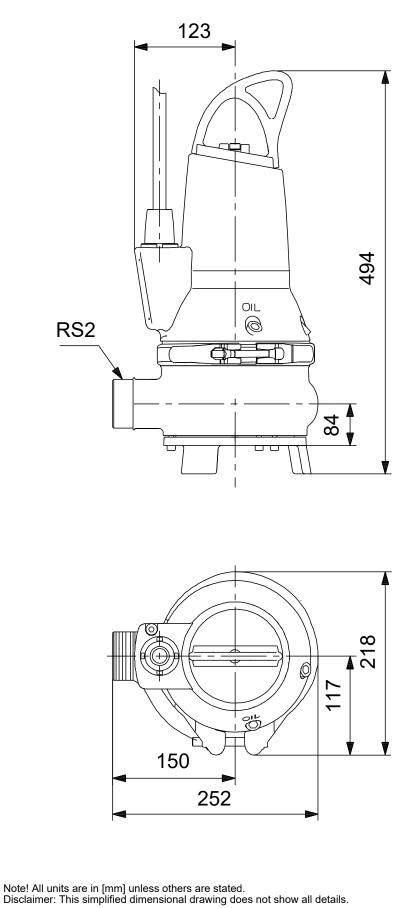


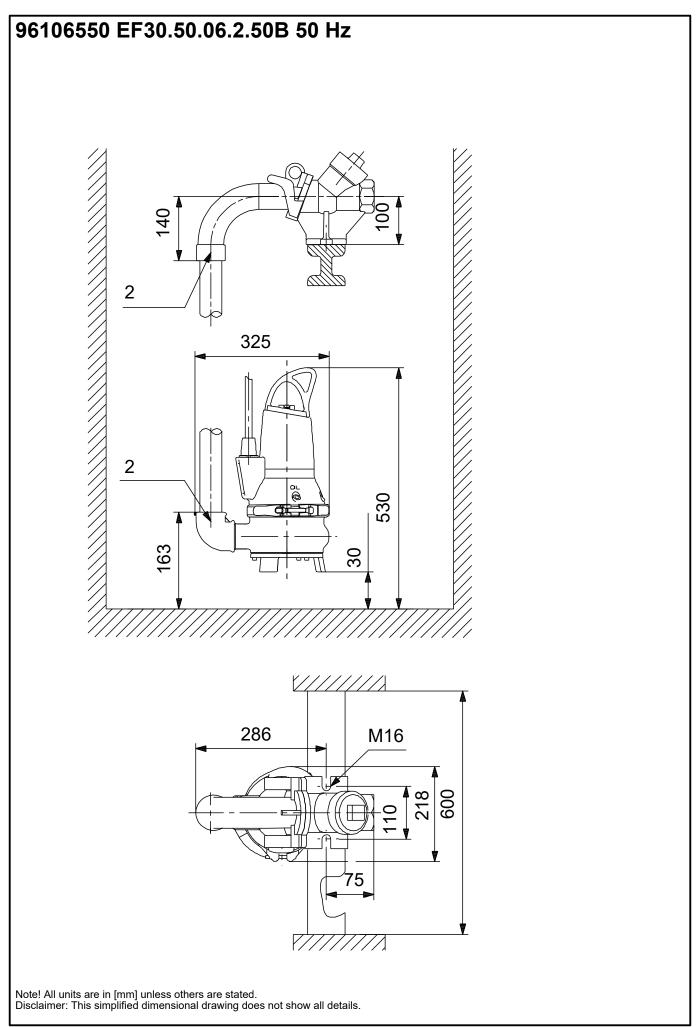




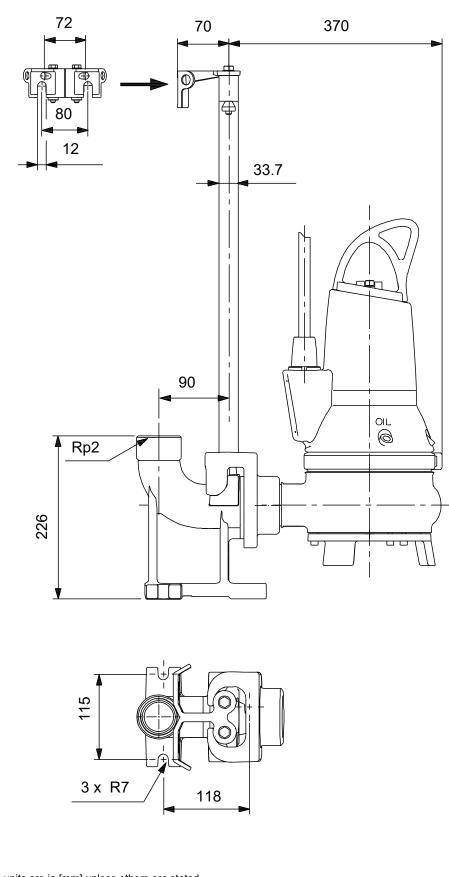
Description	Value
Moisture sensor:	without moisture sensors
Water-in-oil sensor:	without water-in-oil sensor
AUTOADAPT with/without (Yes/No):	NO
Others:	
Net weight:	41 kg
Danish VVS No.:	391293112
Swedish RSK No.:	5885873
Finnish LVI No.:	4822599
Country of origin:	DE
Custom tariff no.:	84137021

## 96106550 EF30.50.06.2.50B 50 Hz

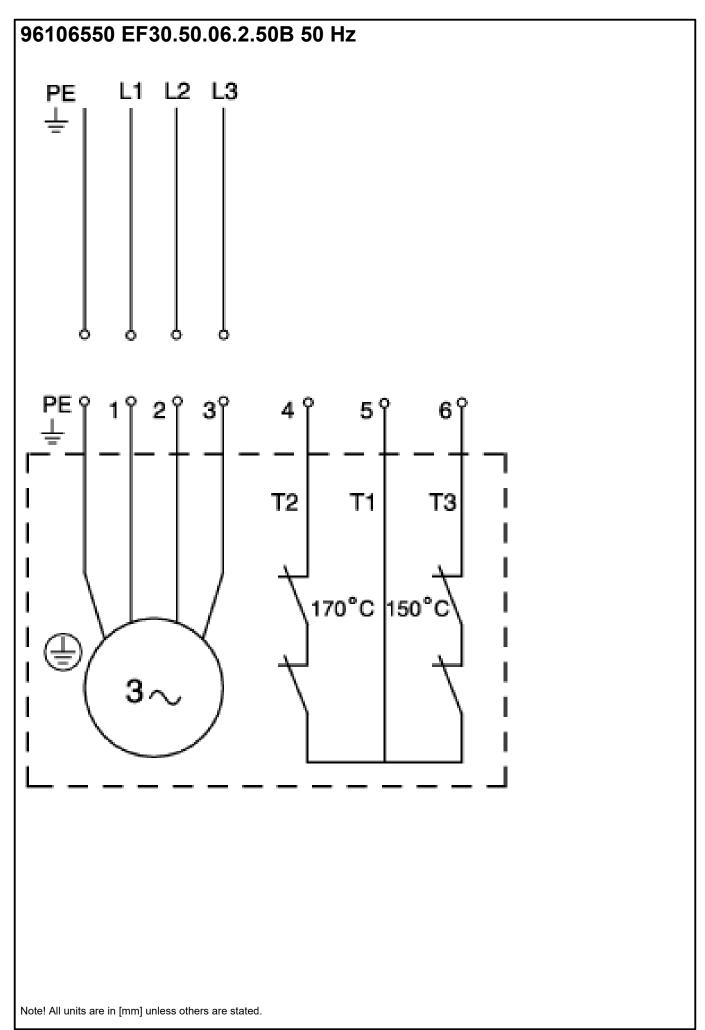




## 96106550 EF30.50.06.2.50B 50 Hz



Note! All units are in [mm] unless others are stated. Disclaimer: This simplified dimensional drawing does not show all details.



pos.         Produ           EF30.50.06.2.5	JCT NAME	Amount 1	Product No           96106550	Total Price o reques
	50B	1	96106550	Price o reques
				reques