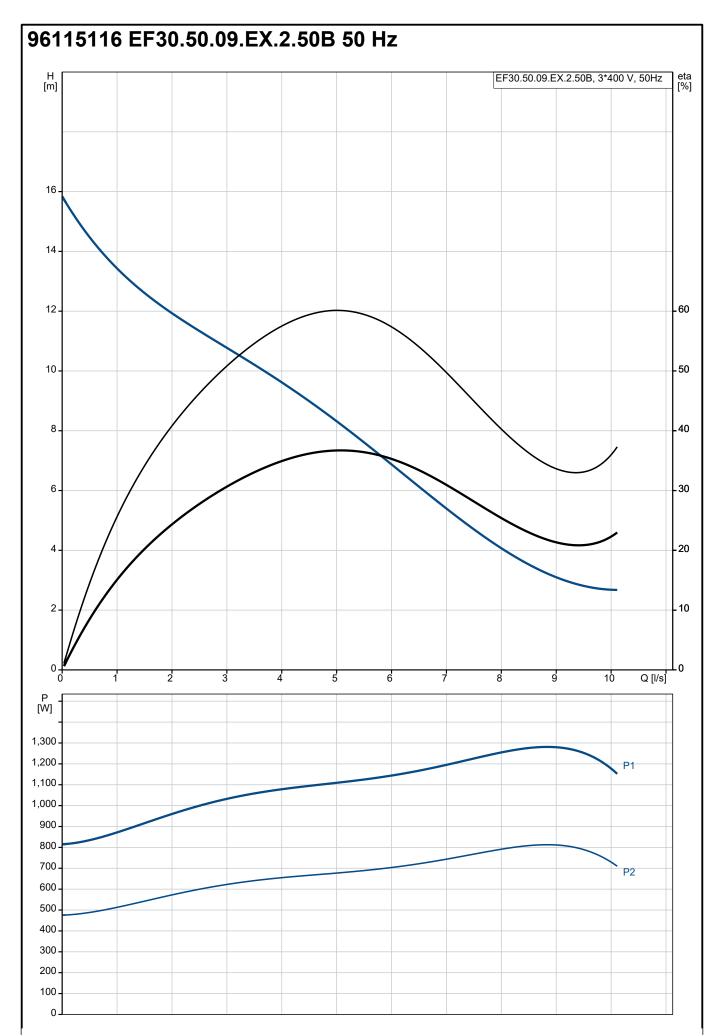
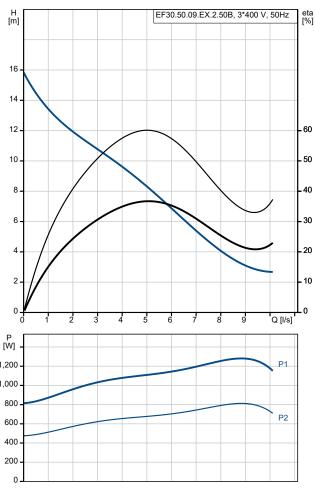
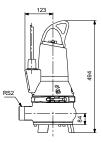
		-
EF30.50.09.EX.2.50B		
	Notel Duoduct nicture mou differ from octual meduct	
Product No.: 96115116	Note! Product picture may differ from actual product	
GRUNDFOS EF pump is a po	rtable pump for both domestic and industrial applications.	
 drainage and surface water water wastewater with fibres, e.g. f wastewater without discharge 	rom laundries	
The compact design makes th	e pump suitable for both temporary and permanent installation.	
The compact design makes in	e pump suitable for both temporary and permanent installation.	
The pump is a cast iron submo	ersible pump with integrated submersible explosion-proof 3-phase motor. Approvals:	LGA,
The pump has an intermediate	e oil chamber pre-filled with non-toxic special oil.	
The pump is fitted with a cable prevent water from penetrating	e plug for easy dismantling. This plug is hermetically sealed with polyurethane to g through the cable into the motor.	
A clamp between nump bousi	ng and motor ensures easy and safe dismantling and assembly. Inspection can be	
done in the field without any s	pecial tools.	
done in the field without any s The pump is fitted with a doub	pecial tools. Ie shaft seal in the unique cartridge design. This makes it easy to replace the shaft seal t any special tools. It also eliminates the risk of faulty installation.	
done in the field without any s The pump is fitted with a doub very quickly in the field withou	pecial tools. le shaft seal in the unique cartridge design. This makes it easy to replace the shaft seal	
done in the field without any s The pump is fitted with a doub very quickly in the field withou The motor is insulation class F	pecial tools. le shaft seal in the unique cartridge design. This makes it easy to replace the shaft seal t any special tools. It also eliminates the risk of faulty installation.	
done in the field without any s The pump is fitted with a doub very quickly in the field withou The motor is insulation class F	pecial tools. le shaft seal in the unique cartridge design. This makes it easy to replace the shaft seal t any special tools. It also eliminates the risk of faulty installation.	
done in the field without any s The pump is fitted with a doub very quickly in the field withou The motor is insulation class F The pump has R 2 discharge p Controls: Moisture sensor:	pecial tools. le shaft seal in the unique cartridge design. This makes it easy to replace the shaft seal t any special tools. It also eliminates the risk of faulty installation. and has long-life, deep-groove, greased-for-life ball bearings. port and is ready for installation either free-standing or on an auto-coupling system. without moisture sensors	
done in the field without any s The pump is fitted with a doub very quickly in the field withou The motor is insulation class F The pump has R 2 discharge p Controls: Moisture sensor: Water-in-oil sensor:	pecial tools. le shaft seal in the unique cartridge design. This makes it easy to replace the shaft seal t any special tools. It also eliminates the risk of faulty installation. and has long-life, deep-groove, greased-for-life ball bearings. bort and is ready for installation either free-standing or on an auto-coupling system. without moisture sensors without water-in-oil sensor	
done in the field without any s The pump is fitted with a doub very quickly in the field withou The motor is insulation class F The pump has R 2 discharge p Controls: Moisture sensor:	pecial tools. le shaft seal in the unique cartridge design. This makes it easy to replace the shaft seal t any special tools. It also eliminates the risk of faulty installation. and has long-life, deep-groove, greased-for-life ball bearings. bort and is ready for installation either free-standing or on an auto-coupling system. without moisture sensors without water-in-oil sensor	
done in the field without any s The pump is fitted with a doub very quickly in the field withou The motor is insulation class F The pump has R 2 discharge p Controls: Moisture sensor: Water-in-oil sensor: AUTOADAPT with/without (Ye Liquid:	 pecial tools. le shaft seal in the unique cartridge design. This makes it easy to replace the shaft seal t any special tools. It also eliminates the risk of faulty installation. and has long-life, deep-groove, greased-for-life ball bearings. bort and is ready for installation either free-standing or on an auto-coupling system. without moisture sensors without water-in-oil sensor es/No): NO 	
done in the field without any signature of the pump is fitted with a doub very quickly in the field without. The motor is insulation class F The pump has R 2 discharge processor: Controls: Moisture sensor: Water-in-oil sensor: AUTOADAPT with/without (Yee Liquid: Liquid temperature range:	 pecial tools. le shaft seal in the unique cartridge design. This makes it easy to replace the shaft seal t any special tools. It also eliminates the risk of faulty installation. and has long-life, deep-groove, greased-for-life ball bearings. bort and is ready for installation either free-standing or on an auto-coupling system. without moisture sensors without water-in-oil sensor es/No): NO 0 40 °C 	
done in the field without any s The pump is fitted with a doub very quickly in the field withou The motor is insulation class F The pump has R 2 discharge p Controls: Moisture sensor: Water-in-oil sensor: AUTOADAPT with/without (Ye Liquid:	 pecial tools. le shaft seal in the unique cartridge design. This makes it easy to replace the shaft seal t any special tools. It also eliminates the risk of faulty installation. and has long-life, deep-groove, greased-for-life ball bearings. bort and is ready for installation either free-standing or on an auto-coupling system. without moisture sensors without water-in-oil sensor es/No): NO 	
done in the field without any signature of the pump is fitted with a doub very quickly in the field without. The motor is insulation class F The pump has R 2 discharge provide the pump has R	 pecial tools. le shaft seal in the unique cartridge design. This makes it easy to replace the shaft seal t any special tools. It also eliminates the risk of faulty installation. and has long-life, deep-groove, greased-for-life ball bearings. port and is ready for installation either free-standing or on an auto-coupling system. without moisture sensors without water-in-oil sensor es/No): NO 040 °C 998.2 kg/m³ 	
done in the field without any signature of the pump is fitted with a doub very quickly in the field without. The motor is insulation class F The pump has R 2 discharge provide the pump has R	 pecial tools. le shaft seal in the unique cartridge design. This makes it easy to replace the shaft seal t any special tools. It also eliminates the risk of faulty installation. and has long-life, deep-groove, greased-for-life ball bearings. bort and is ready for installation either free-standing or on an auto-coupling system. without moisture sensors without water-in-oil sensor es/No): NO 040 °C 998.2 kg/m³ 10.9 l/s 	
done in the field without any s The pump is fitted with a doub very quickly in the field withou The motor is insulation class F The pump has R 2 discharge p Controls: Moisture sensor: Water-in-oil sensor: AUTOADAPT with/without (Ye Liquid: Liquid temperature range: Density: Technical: Max flow: Type of impeller:	 pecial tools. le shaft seal in the unique cartridge design. This makes it easy to replace the shaft seal tany special tools. It also eliminates the risk of faulty installation. and has long-life, deep-groove, greased-for-life ball bearings. bort and is ready for installation either free-standing or on an auto-coupling system. without moisture sensors without water-in-oil sensor es/No): NO 040 °C 998.2 kg/m³ 10.9 l/s SEMI OPEN 	
done in the field without any signature field without any	 pecial tools. le shaft seal in the unique cartridge design. This makes it easy to replace the shaft seal t any special tools. It also eliminates the risk of faulty installation. and has long-life, deep-groove, greased-for-life ball bearings. bort and is ready for installation either free-standing or on an auto-coupling system. without moisture sensors without water-in-oil sensor es/No): NO 040 °C 998.2 kg/m³ 10.9 l/s SEMI OPEN 30 mm 	
done in the field without any signature field without any signature field without any signature field without and the pump has R 2 discharge for the pump has R 2 discharge for Controls: Moisture sensor: Water-in-oil sensor: AUTOADAPT with/without (Yee Liquid: Liquid temperature range: Density: Technical: Max flow: Type of impeller: Maximum particle size: Primary shaft seal:	 pecial tools. le shaft seal in the unique cartridge design. This makes it easy to replace the shaft seal t any special tools. It also eliminates the risk of faulty installation. and has long-life, deep-groove, greased-for-life ball bearings. bort and is ready for installation either free-standing or on an auto-coupling system. without moisture sensors without water-in-oil sensor tes/No): NO 040 °C 998.2 kg/m³ 10.9 l/s SEMI OPEN 30 mm SIC/SIC 	
done in the field without any signature field without any	 pecial tools. le shaft seal in the unique cartridge design. This makes it easy to replace the shaft seal t any special tools. It also eliminates the risk of faulty installation. and has long-life, deep-groove, greased-for-life ball bearings. bort and is ready for installation either free-standing or on an auto-coupling system. without moisture sensors without water-in-oil sensor es/No): NO 040 °C 998.2 kg/m³ 10.9 l/s SEMI OPEN 30 mm 	
done in the field without any signature field without any	 pecial tools. le shaft seal in the unique cartridge design. This makes it easy to replace the shaft seal t any special tools. It also eliminates the risk of faulty installation. F and has long-life, deep-groove, greased-for-life ball bearings. port and is ready for installation either free-standing or on an auto-coupling system. without moisture sensors without water-in-oil sensor es/No): NO 0 40 °C 998.2 kg/m³ 10.9 l/s SEMI OPEN 30 mm SIC/SIC 59 % 	
done in the field without any signature field without any signature field without any signature quickly in the field without. The motor is insulation class F The pump has R 2 discharge for Controls: Moisture sensor: Water-in-oil sensor: AUTOADAPT with/without (Yee Liquid: Liquid temperature range: Density: Technical: Max flow: Type of impeller: Maximum particle size: Primary shaft seal: Max. hydraulic efficiency: Approvals on nameplate: Curve tolerance:	 pecial tools. le shaft seal in the unique cartridge design. This makes it easy to replace the shaft seal t any special tools. It also eliminates the risk of faulty installation. F and has long-life, deep-groove, greased-for-life ball bearings. port and is ready for installation either free-standing or on an auto-coupling system. without moisture sensors without water-in-oil sensor es/No): NO 0 40 °C 998.2 kg/m³ 10.9 l/s SEMI OPEN 30 mm SIC/SIC 59 % LGA, ATEX 	
done in the field without any signature field without any signature provide the field without and the pump is fitted without. The motor is insulation class F The pump has R 2 discharge provide the pump has R 2 discharge provid	 pecial tools. le shaft seal in the unique cartridge design. This makes it easy to replace the shaft seal t any special tools. It also eliminates the risk of faulty installation. F and has long-life, deep-groove, greased-for-life ball bearings. port and is ready for installation either free-standing or on an auto-coupling system. without moisture sensors without water-in-oil sensor es/No): NO 0 40 °C 998.2 kg/m³ 10.9 l/s SEMI OPEN 30 mm SIC/SIC 59 % LGA, ATEX 	
done in the field without any signature field without any signature field without any signature quickly in the field without. The motor is insulation class F The pump has R 2 discharge for Controls: Moisture sensor: Water-in-oil sensor: AUTOADAPT with/without (Yee Liquid: Liquid temperature range: Density: Technical: Max flow: Type of impeller: Maximum particle size: Primary shaft seal: Max. hydraulic efficiency: Approvals on nameplate: Curve tolerance:	 pecial tools. le shaft seal in the unique cartridge design. This makes it easy to replace the shaft seal t any special tools. It also eliminates the risk of faulty installation. and has long-life, deep-groove, greased-for-life ball bearings. port and is ready for installation either free-standing or on an auto-coupling system. without moisture sensors without water-in-oil sensor es/No): NO 040 °C 998.2 kg/m³ 10.9 l/s SEMI OPEN 30 mm SIC/SIC 59 % LGA, ATEX ISO9906:2012 3B2 	
done in the field without any signature field without any signature provide the field without and the pump is fitted without. The motor is insulation class F The pump has R 2 discharge provide the pump has R 2 discharge provid	 pecial tools. le shaft seal in the unique cartridge design. This makes it easy to replace the shaft seal t any special tools. It also eliminates the risk of faulty installation. and has long-life, deep-groove, greased-for-life ball bearings. bort and is ready for installation either free-standing or on an auto-coupling system. without moisture sensors without water-in-oil sensor ss/No): NO 040 °C 998.2 kg/m³ 10.9 l/s SEMI OPEN 30 mm SIC/SIC 59 % LGA, ATEX ISO9906:2012 3B2 Cast iron 	

Qty.	Description	
1	Installation:	
	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:	1.4 kW
	Rated power - P2:	0.9 kW
	Mains frequency:	50 Hz
	Rated voltage:	3 x 400-415 V
	Voltage tolerance:	+6/-10 %
	Max starts per. hour:	30
	Rated current:	2.8/2.8 A
	Rated current at 3/4 load:	2.5 A 2.1 A
	Rated current at 1/2 load: Starting current:	2.1 A 21 A
	Rated current at no load:	1.9 A
1	Cos phi - power factor:	0.76
1	Cos phi - p.f. at 3/4 load:	0.68
1	Cos phi - p.f. at 1/2 load:	0.58
1	Rated speed:	2870 rpm
	Locked-rotor torque:	11 Nm
	Breakdown torque:	12 Nm
	Moment of inertia:	0.0037 kg m²
	Motor efficiency at full load:	65 %
	Motor efficiency at 3/4 load:	61 %
	Motor efficiency at 1/2 load:	58 %
	Number of poles:	2
	Start. method:	direct-on-line
	Enclosure class (IEC 34-5):	IP68
	Insulation class (IEC 85): Explosion proof:	F
	Exprotection standard:	yes EN50014/EN50018, class EEx d IIB T4
	Length of cable:	10 m
	Cable type:	H07RN-F
	Type of cable plug:	No plug
	Others:	
	Net weight:	42 kg
	Danish VVS No.:	391293532
	Country of origin:	HU
	Custom tariff no.:	84137021
1		
1		
1		
1		
1		
1		
1		
1		

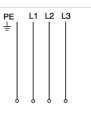


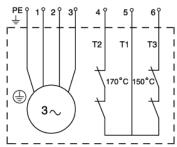
Description	Value
General information:	
Product name:	EF30.50.09.EX.2.50B
Product No:	96115116
EAN number:	5700396854113
Technical:	
Max flow:	10.9 l/s
Head max:	16.8 m
Type of impeller:	SEMI OPEN
Maximum particle size:	30 mm
Primary shaft seal:	SIC/SIC
Max. hydraulic efficiency:	59 %
Approvals on nameplate:	LGA, ATEX
Curve tolerance:	ISO9906:2012 3B2
Materials:	
Pump housing:	Cast iron
Pump housing:	EN-GJL-250
Impeller:	Cast iron
Impeller:	EN-GJS-500-7
İnstallation:	
max amb:	40 °C
Maximum operating pressure:	6 bar
Pump outlet:	R 2
Maximum installation depth:	10 m
Inst dry/wet:	S
Installation:	vertical
	Y
Auto-coupling:	Ť
Liquid:	0 10 *0
Liquid temperature range:	040°C
Density:	998.2 kg/m³
Electrical data:	
Power input - P1:	1.4 kW
Rated power - P2:	0.9 kW
Mains frequency:	50 Hz
Rated voltage:	3 x 400-415 V
Voltage tolerance:	+6/-10 %
Max starts per. hour:	30
Rated current:	2.8/2.8 A
Rated current at 3/4 load:	2.5 A
Rated current at 1/2 load:	2.1 A
Starting current:	21 A
Rated current at no load:	1.9 A
Cos phi - power factor:	0.76
Cos phi - p.f. at 3/4 load:	0.68
Cos phi - p.f. at 1/2 load:	0.58
Rated speed:	2870 rpm
Locked-rotor torque:	11 Nm
Breakdown torque:	12 Nm
Moment of inertia:	0.0037 kg m ²
	0
Motor efficiency at full load:	65 %
Motor efficiency at 3/4 load:	61 %
Motor efficiency at 1/2 load:	58 %
Number of poles:	2
Start. method:	direct-on-line
Enclosure class (IEC 34-5):	IP68
nsulation class (IEC 85):	F
Explosion proof:	yes
Ex-protection standard:	EN50014/EN50018, class EEx d IIB T4
Built-in motor protection:	THERMAL SWITCH
Thermal protec:	internal
Length of cable:	10 m
Cable type:	H07RN-F
	No plug
Type of cable plug:	





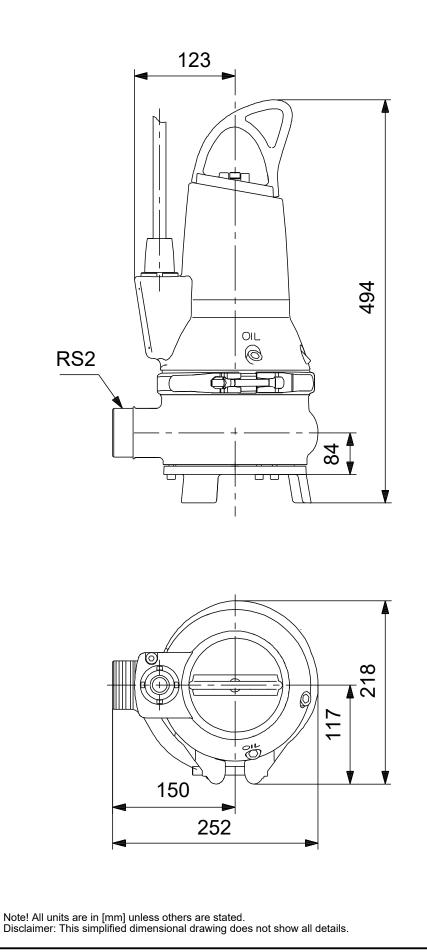


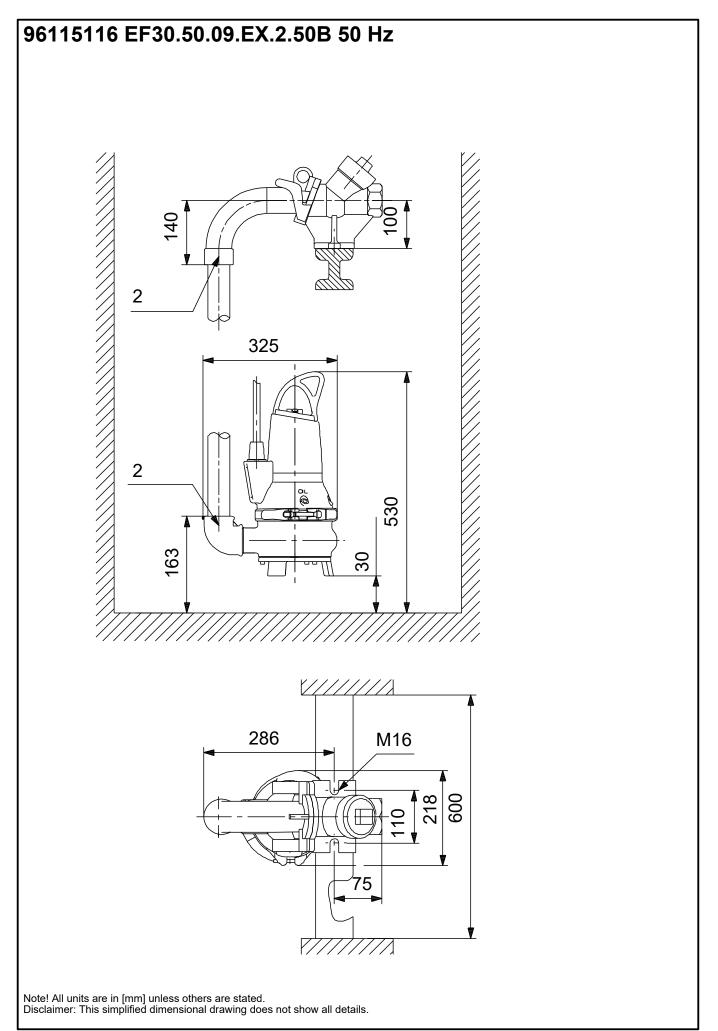




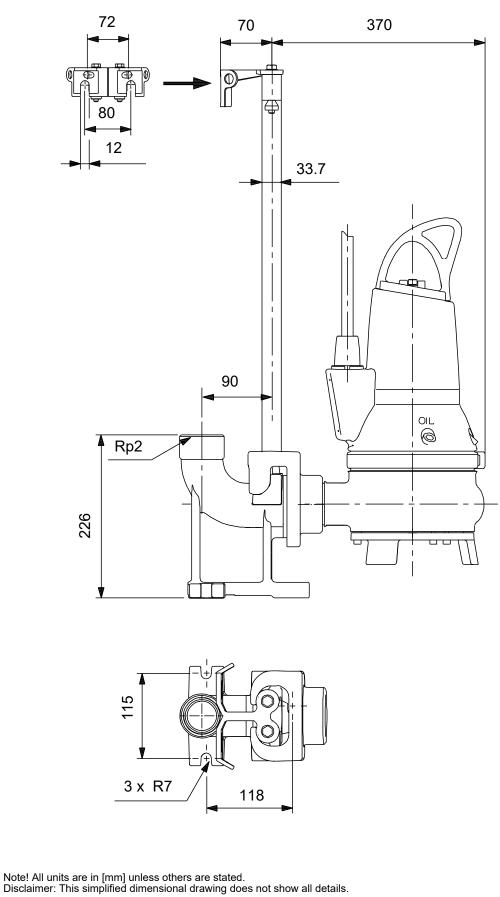
Description	Value
Control box:	not included
Additional I/O:	External
Moisture sensor:	without moisture sensors
Water-in-oil sensor:	without water-in-oil sensor
AUTOADAPT with/without (Yes/No):	NO
Others:	
Net weight:	42 kg
Danish VVS No.:	391293532
Country of origin:	HU
Custom tariff no.:	84137021

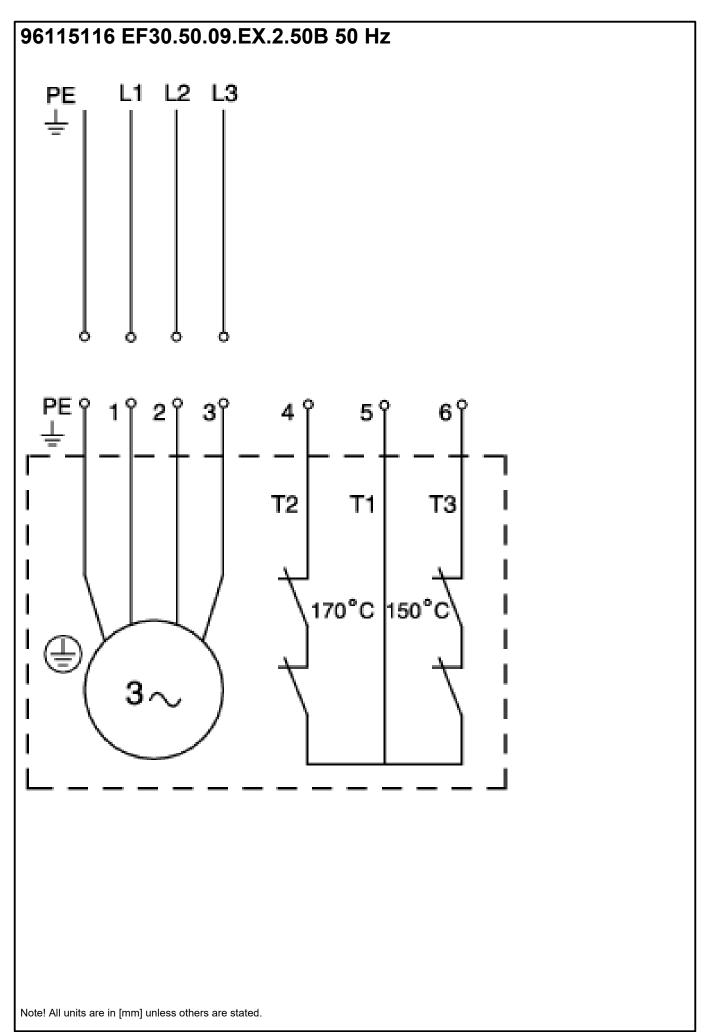
96115116 EF30.50.09.EX.2.50B 50 Hz





96115116 EF30.50.09.EX.2.50B 50 Hz





Order Data:							
Position	Your pos.	Product name	Amount	Product No	Total		
		EF30.50.09.EX.2.50B	1	96115116	Price or		
					reques		