



		Date: 15/08/2022			
Qty.	Description				
1	The motor is a totally enclosed, fan-cooled motor with principal dimensions to IEC and DIN standards. Electrical tolerances comply with IEC 60034.				
	The motor efficiency is classified as IE3 in accordance with IEC 60034-30-1.				
	The motor has thermistors (PTC sensors) in the windings in accordance with DIN 44081/DIN 44082. The protection reacts to both slow- and quick-rising temperatures, e.g. constant overload and stalled conditions.				
	Thermal switches must be connected to an external control circuit in a way which ensures that the automatic reset cannot cause accidents. The motors must be connected to a motor-protective circuit breaker according to local regulations.				
	The motor can be connected to a variable speed drive for adjustment of pump performance to any duty point. Grundfos CUE offers a range of variable speed drives. Please find more information in Grundfos Product Center.				
	Further product details				
	Cast-iron parts have an epoxy-b high-quality dip-painting process a thin, well-controlled layer on th	ased coating made in a cathodic electro-deposition (CED) process. CED is a where an electrical field around the products ensures deposition of paint particles as le surface.			
	Technical data				
	recinical data				
	Controls:				
	Frequency converter:	NONE			
	Pressure sensor:	N			
	Liquid:				
	Pumped liquid:	Water			
	Liquid temperature range:	-25 120 °C			
	Selected liquid temperature:	20 °C			
	Density:	998.2 kg/m³			
	Technical:				
	Pump speed on which pump da Rated flow:	ta are based: 1460 rpm 40.48 m³/h			
	Rated head:	40.46 m / 16.83 m			
	Actual impeller diameter:	241 mm			
	Nominal impeller diameter:	250			
	Shaft seal arrangement:	Single			
	Code for shaft seal:	BQQE			
	Curve tolerance:	ISO9906:2012 3B2			
	Bearing design:	Standard			
	Materials:				
	Pump housing:	Cast iron			
		EN-GJL-250			
		ASTM class 35			
	Wear ring:	Brass			
	Impeller:	Cast iron EN-GJL-200			
		ASTM class 30			
	Internal pump house coating:	CED			
	Shaft:	Stainless steel			
		EN 1.4301			
		AISI 304			

Maximum operating pressure:

Pipe connection standard:

Size of inlet connection:

Installation:

t max amb:

AISI 304

55 °C

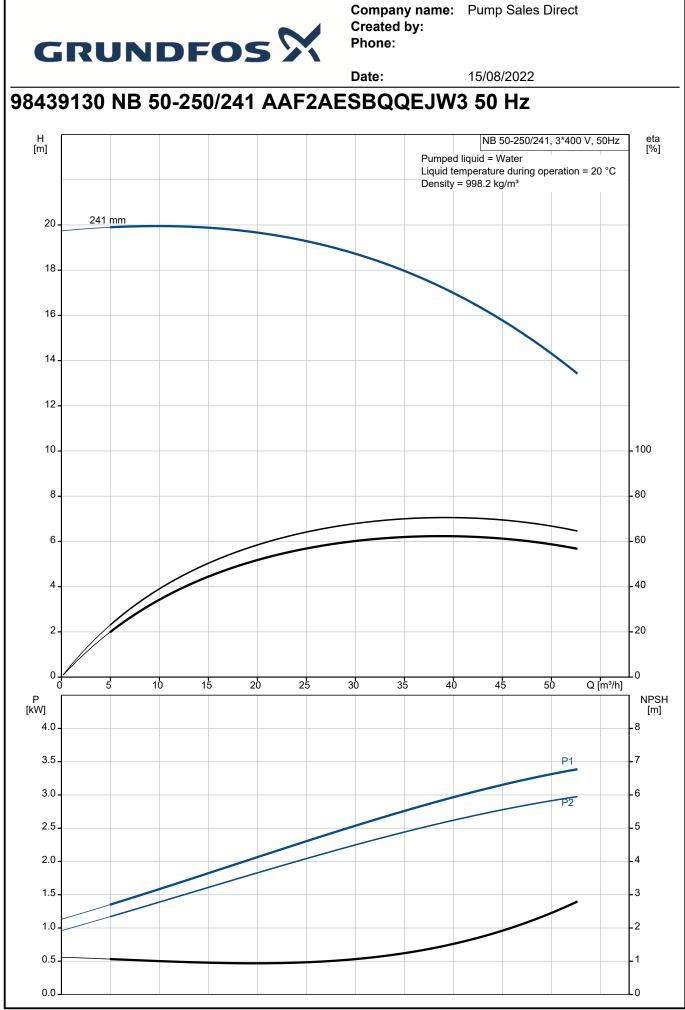
16 bar

DN 65

EN 1092-2



			Date:	15/08/2022
ty.	Description			
1	Size of outlet connection:	DN 50		
	Pressure rating for connection:	PN 16		
	Bearing lubrication:	Grease		
	Pump housing with feet:	Yes		
	Support block (Yes/No):	Ν		
	Electrical data:			
	Motor type:	SIEMENS		
	IE Efficiency class:	IE3		
	Rated power - P2:	3 kW		
	Mains frequency:	50 Hz		
	Rated voltage:	3 x 220-240D/380	-420Y V	
	Rated current:	10.3/5.9 A		
	Starting current:	730-730 %		
	Cos phi - power factor:	0.83		
	Rated speed:	1460 rpm		
	Efficiency:	IE3 87,7%		
	Motor efficiency at full load:	87.7-87.7 %		
	Motor efficiency at 3/4 load:	88.4-88.4 %		
	Motor efficiency at 1/2 load:	88.2-88.2 %		
	Number of poles:	4		
	Enclosure class (IEC 34-5):	IP55		
	Insulation class (IEC 85):	F		
	Motor No:	83V05210		
	Bearing insulation type N-end:	N		
	Others:			
	Minimum efficiency index, MEI ≥:	0.70		
	Net weight:	74 kg		
	Gross weight:	91 kg		
	Shipping volume:	0.315 m ³		
	Danish VVS No.:	386062255		
	Country of origin:	HU		
	Custom tariff no.:	84137051		





		Date: 15/08/2022	
Description	Value	H [m] NB 50-250/24	eta [%]
General information:	TUIMU	Pumped liquid = Water	
Product name:	NB 50-250/241	20 241 mm Liquid temperature during c Density = 998.2 kg/m ³	peration = 20 °C
	AAF2AESBQQEJW3	20	
Product No:	98439130	18	
EAN number:	5711495034207		
Technical:		16-	
Pump speed on which pump data a based:	are 1460 rpm	14	
Rated flow:	40.48 m³/h	12-	
Rated head:	16.83 m		
Actual impeller diameter:	241 mm	10-	- 100
Nominal impeller diameter:	250	8	80
Shaft seal arrangement:	Single		
Shaft diameter:	24 mm	6-	- 60
Code for shaft seal:	BQQE	4	- 40
Curve tolerance:	ISO9906:2012 3B2		
Pump version:	A	2-	- 20
Bearing design:	Standard		0
Materials:		0 5 10 15 20 25 30 35 40	
Pump housing:	Cast iron	P [kW]	NPSI [m]
Pump housing:	EN-GJL-250		
Pump housing:	ASTM class 35	3.5	P1 7
Wear ring:	Brass	3.0	P2 6
Impeller:	Cast iron	2.5	-5
Impeller:	EN-GJL-200	2.0	4
Impeller:	ASTM class 30	1.5	3
Internal pump house coating:	CED	1.0	2
Material code:	A	0.5	
Code for rubber:	E	0.0	0
Shaft:	Stainless steel		 0
Shaft:	EN 1.4301		
Shaft:	AISI 304		+ 22
Installation:			
t max amb:	55 °C		No 18
Maximum operating pressure:	16 bar		
Pipe connection standard:	EN 1092-2		
Size of inlet connection:	DN 65	125 320	
Size of outlet connection:	DN 50	164	
Pressure rating for connection:	PN 16	- ²⁸	<u>.</u>
Bearing lubrication:	Grease		
Pump housing with feet:	Yes		
Support block (Yes/No):	N		
Connect code:	F2		
Liquid:	• -		
Pumped liquid:	Water		
Liquid temperature range:	-25 120 °C		
Selected liquid temperature:	20 °C	Ť	
Density:	998.2 kg/m ³		
Electrical data:	000.2 Ng/III		
Motor type:	SIEMENS		
IE Efficiency class:	IE3		
Rated power - P2:	3 kW	TO AMPLIFIER	
Mains frequency:	50 Hz		
	50 HZ 3 x 220-240D/380-420Y V		
Rated voltage:			
Rated current:	10.3/5.9 A		
Starting current:	730-730 %		
Cos phi - power factor:	0.83		
Rated speed:	1460 rpm	RELAY	
Efficiency:	IE3 87,7%		

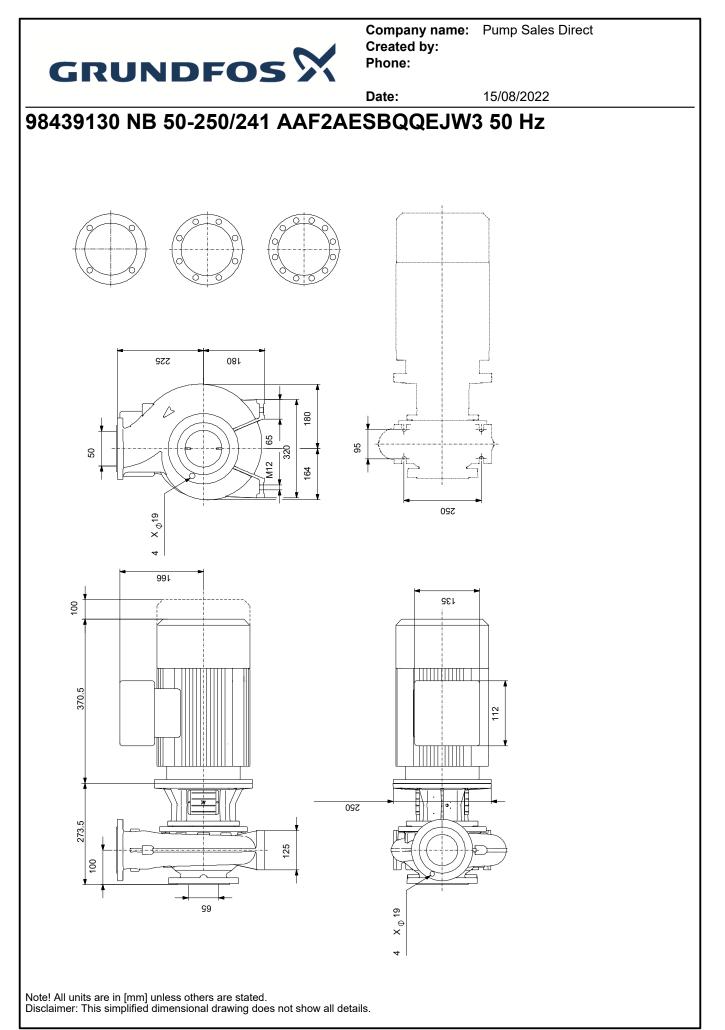
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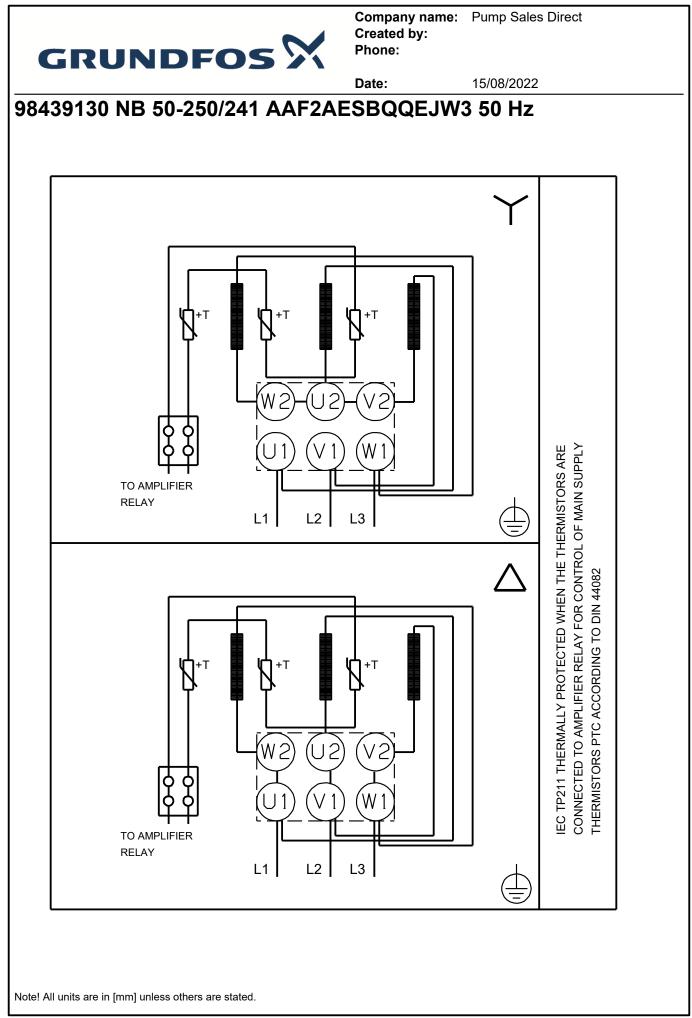


Date:

15/08/2022

Description	Value
Motor efficiency at full load:	87.7-87.7 %
Motor efficiency at 3/4 load:	88.4-88.4 %
Motor efficiency at 1/2 load:	88.2-88.2 %
Number of poles:	4
Enclosure class (IEC 34-5):	IP55
Insulation class (IEC 85):	F
Built-in motor protection:	PTC
Motor No:	83V05210
Mount. design. acc. IEC 34-7:	IM V1
Bearing insulation type N-end:	Ν
Controls:	
Frequency converter:	NONE
Pressure sensor:	Ν
Others:	
Minimum efficiency index, MEI ≥:	0.70
Net weight:	74 kg
Gross weight:	91 kg
Shipping volume:	0.315 m³
Danish VVS No.:	386062255
Country of origin:	HU
Custom tariff no.:	84137051







Date: 15/08/2022 Order Data:							
Position							
		NB 50-250/241	1	98439130	Price or		
					reques		