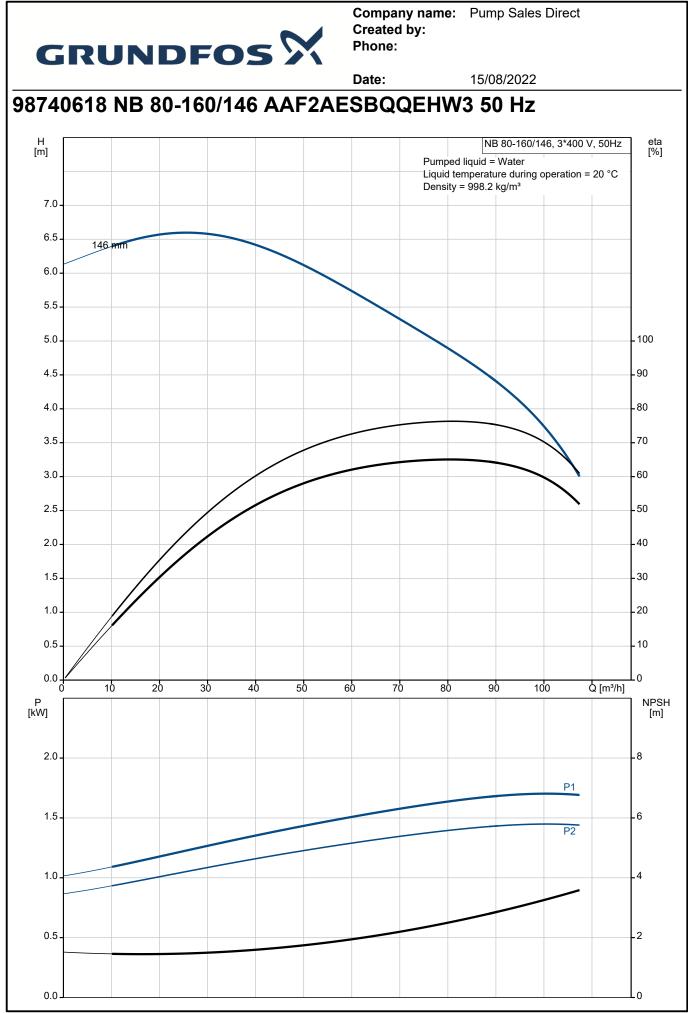




<i>'</i> .	Description						
	The motor is a totally enclosed, fan-cooled motor with principal dimensions to IEC and DIN standards. Electrical tolerances comply with IEC 60034.						
	The motor efficiency is classified as IE3 in accordance with IEC 60034-30-1.						
	The motor does not incorporate can be manually reset. The moto (11/1).	motor protection protective ci	n and m cuit brea	ust be coni ker must b	nected to a motor-protective circuit breaker whic be set according to the rated current of the motor		
	The motor can be connected to a Grundfos CUE offers a range of	a variable spee variable speec	d drive fo drives. F	or adjustme Please find	ent of pump performance to any duty point. more information in Grundfos Product Center.		
	Further product details Cast-iron parts have an epoxy-based coating made in a cathodic electro-deposition (CED) process. CED is a						
	high-quality dip-painting process a thin, well-controlled layer on th	where an elec	trical field	d around th	he products ensures deposition of paint particles		
	Technical data						
	Controls:						
	Frequency converter:	NONE					
	Pressure sensor:	Ν					
	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 dat Rated flow:	a are based: 85.01 m³/h	1445 rp	m			
	Rated head:	4.866 m					
	Actual impeller diameter:	146 mm					
	Nominal impeller diameter:	160					
	Shaft seal arrangement:	Single					
	Code for shaft seal:	BQQE					
	Curve tolerance:	ISO9906:20 ²	2 3B2				
	Bearing design:	Standard					
	Materials:						
	Pump housing:	Cast iron					
		EN-GJL-250	<u>э</u> Е				
	Woor ring:	ASTM class	50				
	Wear ring:	Brass Cast iron					
	Impeller:	EN-GJL-200					
		ASTM class	30				
	Internal pump house coating:	CED					
	Shaft:	Stainless ste	el				
		EN 1.4301					
		AISI 304					
	Installation:						
	t max amb:	55 °C					
	Maximum operating pressure:	16 bar					
	Pipe connection standard:	EN 1092-2					
	Size of inlet connection:	DN 100					
	Size of outlet connection:	DN 80					
,							



Date: 15/08/2022 Qty. | Description 1 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: 1.5 kW Mains frequency: 50 Hz Rated voltage: 3 x 220-240D/380-420Y V Rated current: 5.5/3.15 A Starting current: 730-730 % Cos phi - power factor: 8.0 Rated speed: 1445 rpm Efficiency: IE3 85,3% Motor efficiency at full load: 85.3-85.3 % Motor efficiency at 3/4 load: 86-86 % Motor efficiency at 1/2 load: 85.2-85.2 % Number of poles: 4 IP55 Enclosure class (IEC 34-5): Insulation class (IEC 85): F Motor No: 83V02206 Bearing insulation type N-end: Ν Others: Minimum efficiency index, MEI ≥: 0.70 Net weight: 60 kg Gross weight: 77 kg Shipping volume: 0.315 m³ Danish VVS No.: 386064161 Country of origin: ΗU Custom tariff no.: 84137051



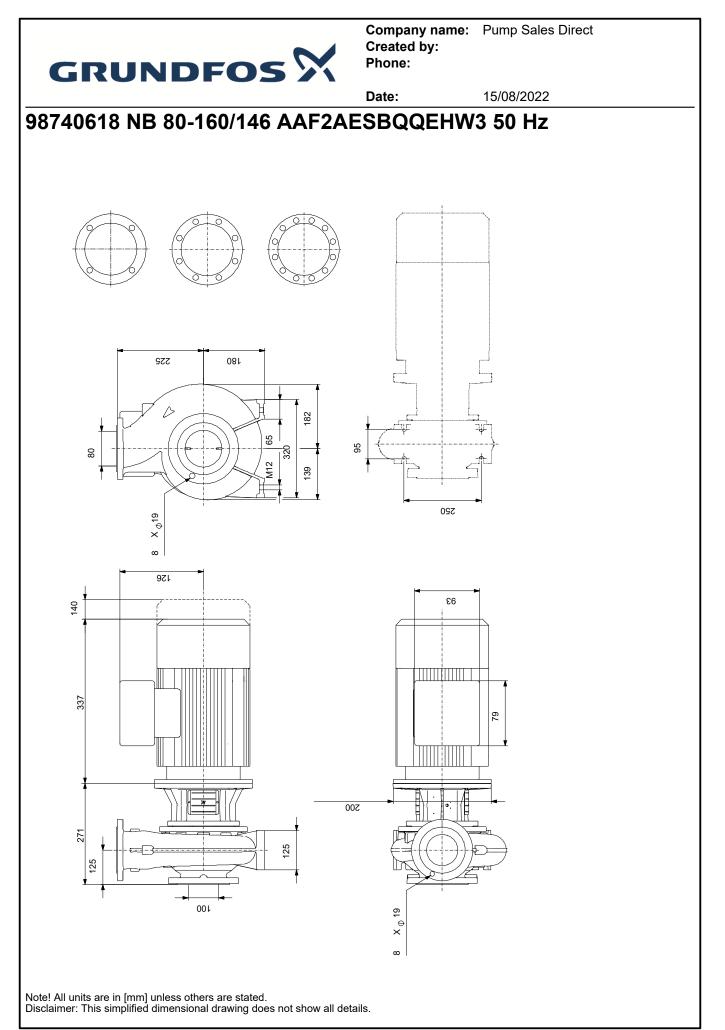


		н	NB 80-160/146, 3*400 V, 50Hz	eta
Description	Value	[m]	NB 80-160/146, 3*400 V, 50Hz Pumped liquid = Water	[%]
General information:		7.0	Liquid temperature during operation = 20 °C	
Product name:	NB 80-160/146 AAF2AESBQQEHW3	6.5 - 146 -	Density = 998.2 kg/m ³	
Product No:	98740618	6.0		
EAN number:	5712600781276	5.5 -		
Technical:				00
Pump speed on which pump data a based:	are 1445 rpm	5.0 - 4.5 -	9	00 90
Rated flow:	85.01 m³/h	4.0	8	0
Rated head:	4.866 m	3.5	77	0
Actual impeller diameter:	146 mm			
Nominal impeller diameter:	160	3.0 -	6	
Shaft seal arrangement:	Single	2.5 -	5	0
Shaft diameter:	24 mm	2.0 -	4	0
	BQQE	1.5	3	0
Code for shaft seal:				
Curve tolerance:	ISO9906:2012 3B2	1.0	2	
Pump version:	A	0.5 -	1	0
Bearing design:	Standard	0.0	20 40 60 80 Q [m³/h]	i
Materials:		P [NPSH
Pump housing:	Cast iron	[kŴ]		[m]
Pump housing:	EN-GJL-250	2.0		1
Pump housing:	ASTM class 35		P1	
Wear ring:	Brass	1.5 -	-6	;
Impeller:	Cast iron		P2	
Impeller:	EN-GJL-200	1.0	4	ļ
Impeller:	ASTM class 30			
Internal pump house coating:	CED	0.5 -	2	,
Material code:	A	····		
Code for rubber:	E)
Shaft:	Stainless steel	0.0 -	L 0	
Shaft:	EN 1.4301			
Shaft:	AISI 304	125	337 140	R
Installation:				IJ
	55 °C			\$
t max amb:		₽ 		Ð
Maximum operating pressure:	16 bar			Ï
Pipe connection standard:	EN 1092-2	125		D
Size of inlet connection:	DN 100			Ð
Size of outlet connection:	DN 80	8	- ²⁵ -	/
Pressure rating for connection:	PN 16	ਤੀਙ⊾ੀ		_
Bearing lubrication:	Grease			
Pump housing with feet:	Yes			T
Support block (Yes/No):	Ν	- Ur H		
Connect code:	F2			
Liquid:				
Pumped liquid:	Water			
Liquid temperature range:	-25 120 °C		LOW VOLTAGE TION OF ROTATION	
Selected liquid temperature:	20 °C			
Density:	998.2 kg/m ³		-]	
Electrical data:		- 🖬 🖬 🗰		
Motor type:	SIEMENS			
IE Efficiency class:	IE3	─│ ┦╹┸┦		
Rated power - P2:	1.5 kW			
			H VOLTAGE	
Mains frequency:	50 Hz		N OF ROTATION	
Rated voltage:	3 x 220-240D/380-420Y V			
Rated current:	5.5/3.15 A			
Starting current:	730-730 %		[wzhuzh(vz]	
Cos phi - power factor:	0.8	│ ▌▌▋		
Rated speed:	1445 rpm			
Efficiency:	IE3 85,3%	— T '		

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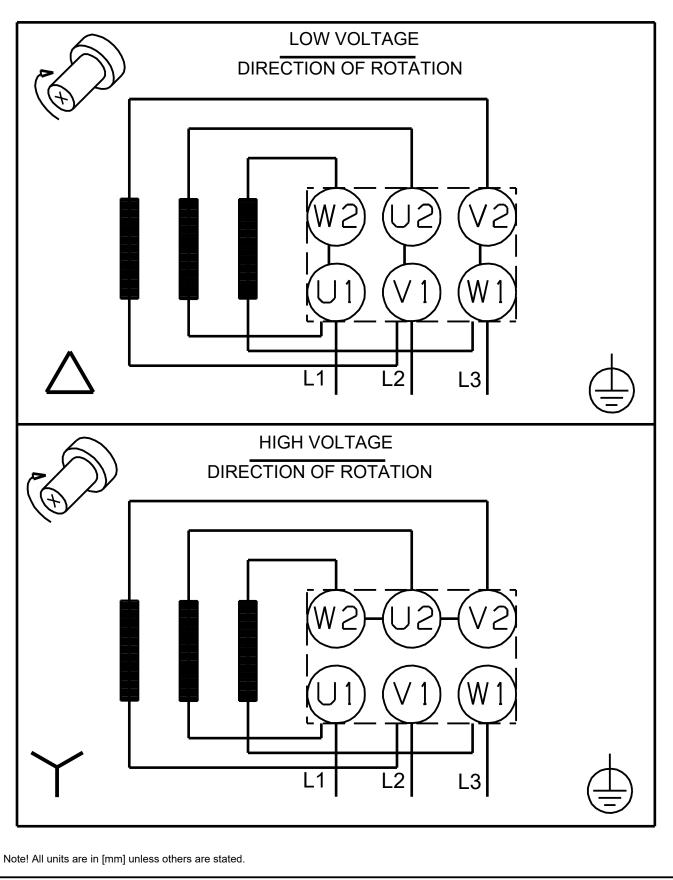
		Date:	15/08/2022
Description	Value		
Motor efficiency at full load:	85.3-85.3 %		
Motor efficiency at 3/4 load:	86-86 %		
Motor efficiency at 1/2 load:	85.2-85.2 %		
Number of poles:	4		
Enclosure class (IEC 34-5):	IP55		
Insulation class (IEC 85):	F		
Built-in motor protection:	NONE		
Motor No:	83V02206		
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:	60 kg		
Gross weight:	77 kg		
Shipping volume:	0.315 m³		
Danish VVS No.:	386064161		
Country of origin:	HU		
Custom tariff no.:	84137051		





15/08/2022

98740618 NB 80-160/146 AAF2AESBQQEHW3 50 Hz





Date: 15/08/2022							
Order Data:							
Position	Your pos.	Product name	Amount	Product No	Total		
		NB 80-160/146	1	98740618	Price or reques		