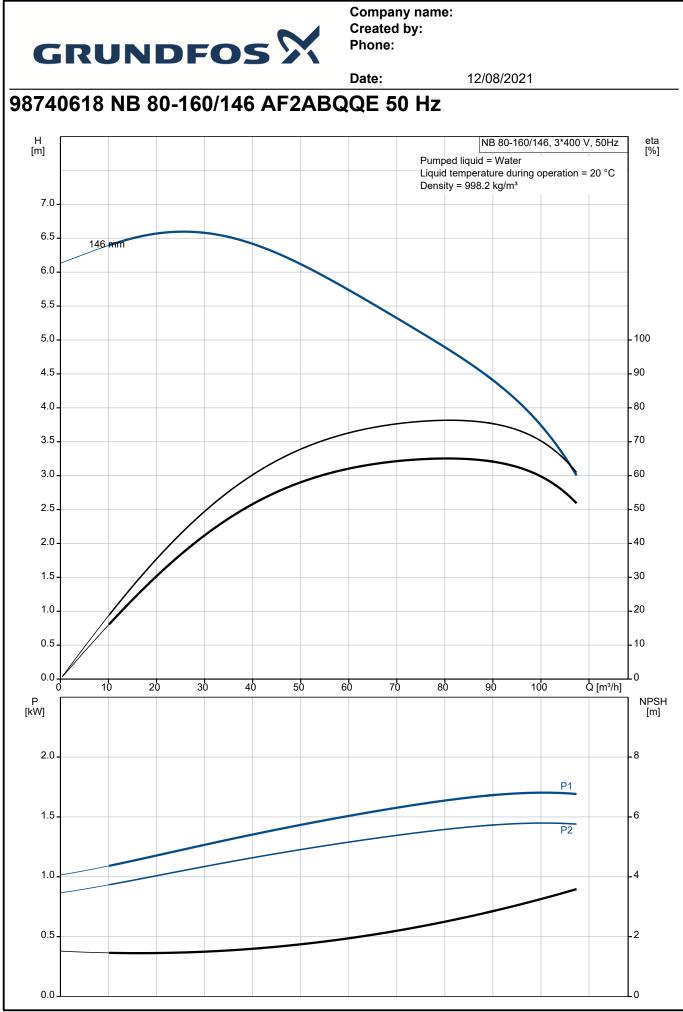


-									
	Description								
	The motor is a totally enclosed, fan-cooled motor with principal dimensions to IEC and DIN standards. Electrical tolerances comply with IEC 60034.								
The motor efficiency is classified as IE3 in accordance with IEC 60034-30-1.									
The motor does not incorporate motor protection and must be connected to a motor-protective circuit breaker which									
	can be manually reset. The moto	r-protective ci	rcuit	breaker m	ust be set	according to the rated cur	rent of the moto		
	(11/1).	. p				according to the rated out			
	The motor can be connected to a Grundfos CUE offers a range of v								
				50. T 10000					
	Further product details								
Technical data									
	Controls:								
	Frequency converter:	NONE							
	Pressure sensor:	N							
	Liquidu								
	Liquid:								
	Pumped liquid:	Water							
	Liquid temperature range:	-25 120 °C							
	Selected liquid temperature:	20 °C							
	Density:	998.2 kg/m ³							
	Technical:								
	Pump speed on which pump data	a are based:	144	5 rpm					
I	Rated flow:	85.01 m³/h							
I	Rated head:	4.866 m							
	Actual impeller diameter:	146 mm							
1	Nominal impeller diameter:	160							
1									
I	Shaft seal arrangement:	Single							
	Code for shaft seal:	BQQE		0					
I	Curve tolerance:	ISO9906:20	12 3B	2					
	Bearing design:	Standard							
	Materials:								
	Pump housing:	Cast iron							
		EN-GJL-250							
		ASTM class	35						
	Wear ring:	Brass							
I	Impeller:	Cast iron							
	·	EN-GJL-200							
l		ASTM class							
l	Shaft:	Stainless ste							
	Shart.	EN 1.4301	51						
ļ		AISI 304							
	Internal pump house coating:	CED							
1	Installation:								
	Maximum ambient temperature:	55 °C							
	Maximum operating pressure:	16 bar							
	Pipe connection standard:	EN 1092-2							
	Size of inlet connection: Size of outlet connection:	DN 100 DN 80							



Date: 12/08/2021 Qty. Description Bearing lubrication: Grease Pump housing with feet: Yes Support block: Ν Electrical data: SIEMENS Motor type: 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: 5,78-5,23/3,31-2,99 A Starting current: 720-720 % 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: 86.0-86.0 % Motor efficiency at 1/2 load: 85.2-85.2 % Number of poles: 4 IP55 Enclosure class (IEC 34-5): F Insulation class (IEC 85): Motor No: 83V02206 Others: Minimum efficiency index, MEI ≥: 0.70 Net weight: 60 kg Gross weight: 77 kg Shipping volume: 0.315 m³ Country of origin: ΗU Custom tariff no.: 84137051



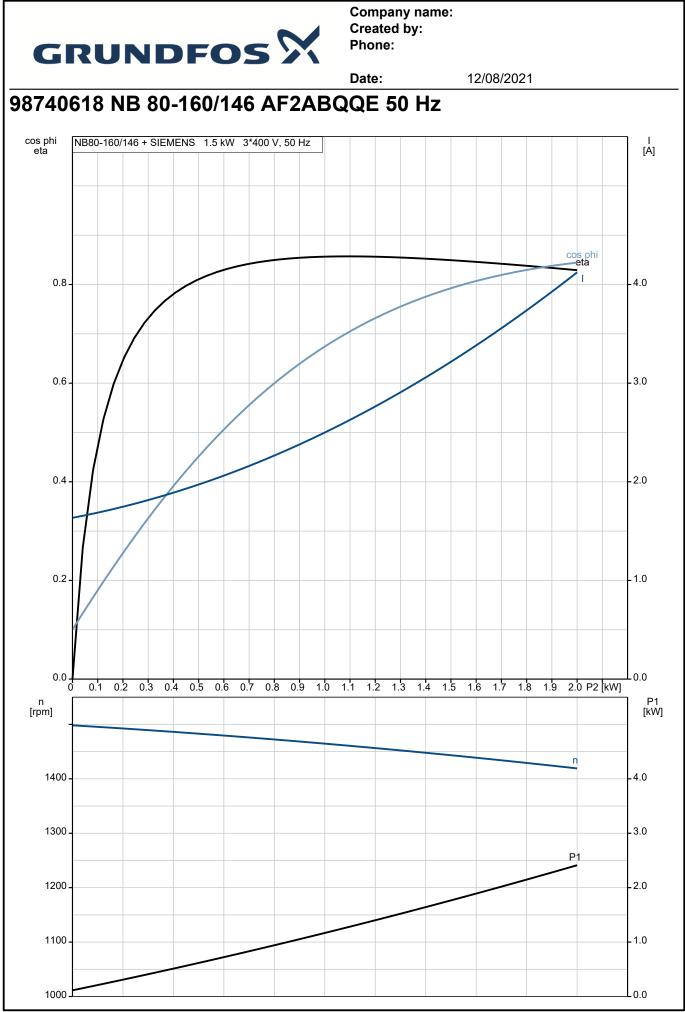


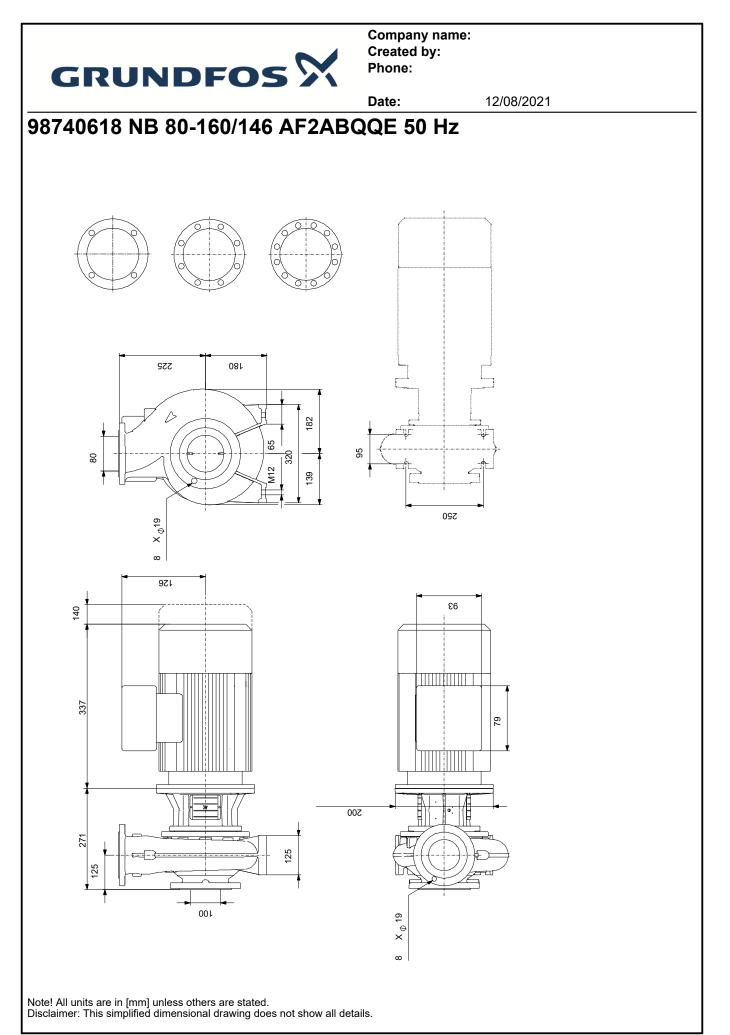
		Date: 12/08/2021
Description Value		H [m] NB 80-160/146, 3*400 V, 50Hz
General information:		Pumped liquid = Water
Product name:	NB 80-160/146 AF2ABQQE	7.0 Liquid temperature during operation = 20 °C Density = 998.2 kg/m³ 6.5 146 mm
Product No:	98740618	6.0
EAN number:	5712600781276	5.5
Price:	GBP 1794	
Fechnical:		
Pump speed on which pump data are based:	1445 rpm	4.5 90
Rated flow:	85.01 m³/h	3.5
Rated head:	4.866 m	3.0 60
Actual impeller diameter:	146 mm	
Nominal impeller diameter:	160	2.5
Shaft seal arrangement:	Single	2.0 40
Shaft diameter:	24 mm	- 1.5 - 30
Code for shaft seal:	BQQE	1.0 20
Curve tolerance:	ISO9906:2012 3B2	0.5 - 10
Pump version:	A	$0.0 \frac{1}{0} \frac{1}{20} \frac{1}{40} \frac{1}{60} \frac{1}{80} \frac{1}{9} \frac{1}{9} \frac{1}{9} \frac{1}{10} \frac$
Bearing design:	Standard	
Materials:		P [kW] [
Pump housing:	Cast iron	2.0 - 8
Pump housing:	EN-GJL-250	P1
Pump housing:	ASTM class 35	1.5 - 6
Wear ring:	Brass	P2
Impeller:	Cast iron	1.0 4
mpeller:	EN-GJL-200	
mpeller:	ASTM class 30	0.5
Shaft:	Stainless steel	
Shaft:	EN 1.4301	
Shaft:	AISI 304	
Internal pump house coating:	CED	_
Material code:	A	
Code for rubber:	E	
Installation:	-	
Maximum ambient temperature:	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	
Pressure rating for connection:	PN 16	
Bearing lubrication:	Grease	
Pump housing with feet:	Yes	
Support block:	Ν	
Connect code:	F2	
Liquid:		
Pumped liquid:	Water	LOW VOLTAGE DIRECTION OF ROTATION
Liquid temperature range:	-25 120 °C	
Selected liquid temperature:	20 °C	
Density:	998.2 kg/m ³	
Electrical data:	J.	-
Motor type:	SIEMENS	
E Efficiency class:	IE3	
Rated power - P2:	1.5 kW	HIGH VOLTAGE DIRECTION OF ROTATION
Mains frequency:	50 Hz	
Rated voltage:	3 x 220-240D/380-420Y V	
Rated current:	5,78-5,23/3,31-2,99 A	
Starting current:	720-720 %	
Cos phi - power factor:	0.8	

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		Date:	12/08/2021	
Description	Value			
Rated speed:	1445 rpm			
Efficiency:	IE3 85,3%			
Motor efficiency at full load:	85.3-85.3 %			
Motor efficiency at 3/4 load:	86.0-86.0 %			
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			
Motor protec:	NONE			
Motor No:	83V02206			
Mount. design. acc. IEC 34-7:	IM V1			
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			
Country of origin:	HU			
Custom tariff no.:	84137051			







Date: 12/08/2021 98740618 NB 80-160/146 AF2ABQQE 50 Hz

