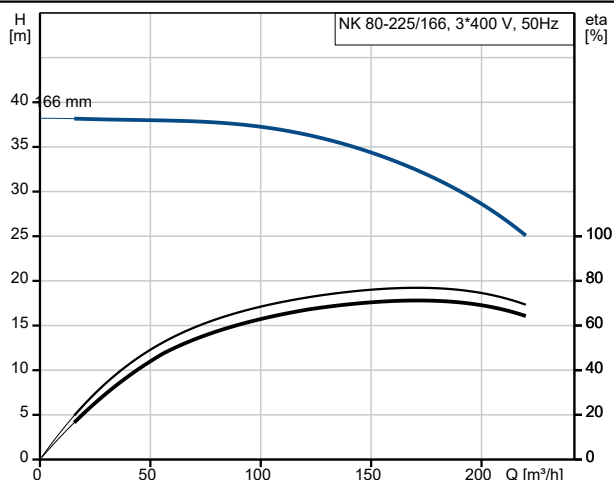
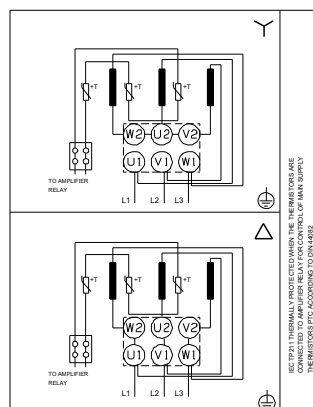
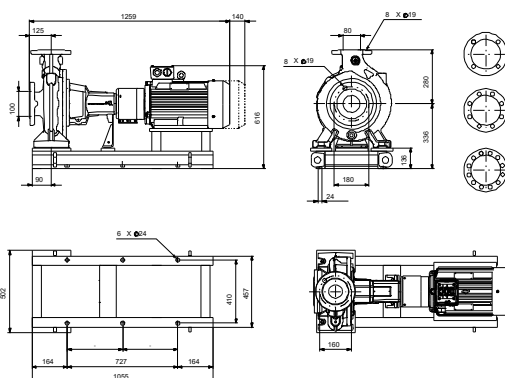
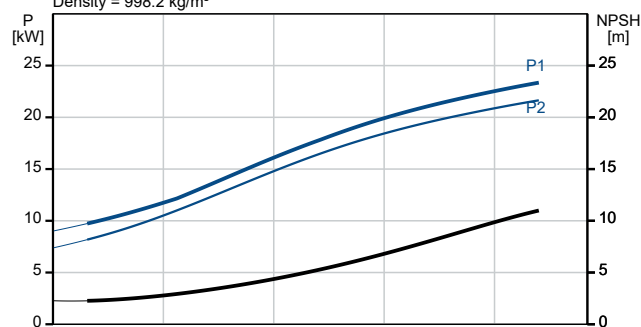


Description	Value
General information:	
Product name:	NK 80-225/166 AA1F1S3ESBQQEQW1
Product No:	On request
EAN number:	On request
Technical:	
Pump speed on which pump data are based:	2940 rpm
Rated flow:	170.6 m³/h
Pump with motor (Yes/No):	Y
Rated head:	32.27 m
Actual impeller diameter:	166 mm
Nominal impeller diameter:	225
Primary shaft seal:	BQQE
Shaft diameter:	32 mm
Code for shaft seal:	BQQE
Mechanical seal type:	Single
Curve tolerance:	ISO9906:2012 2B
Pump version:	A1
Bearing design:	Standard
Materials:	
Type key, code for materials:	S3
Type key, code for rubber components. E = EPDM, V=FKM:	E
Pump housing:	Cast iron EN 1561 EN-GJL-250 ASTM A48-35
Impeller:	Stainless steel EN 1.4308 ASTM A351 CF8
Pump house, internal coating:	Painting
Material code:	S3
Code for rubber:	E
Shaft:	Steel EN 1.0503/1.4301 AISI 1045/304
Installation:	
Maximum ambient temperature:	40 °C
Maximum operating pressure:	10 bar
Type key, code for pipework connection:	F
Pipe connection standard:	EN 1092-2
Type of inlet connection:	DIN
Type of outlet connection:	DIN
Size of inlet connection:	DN 100 4 inch
Size of outlet connection:	DN 80 3 inch
Pressure rating for connection:	PN 10
Coupling type:	Flexible w/o spacer
Base frame design:	C-channel
Code for base frame:	311
Grouting (Yes/No):	N
Connect code:	F
Liquid:	
Pumped liquid:	Water
Liquid temperature range:	-25 .. 120 °C
Selected liquid temperature:	20 °C



Pumped liquid = Water
Liquid temperature during operation = 20 °C
Density = 998.2 kg/m³





Company name:

Created by:

Phone:

Date:

12/01/2026

Description	Value
Density:	998.2 kg/m ³
Electrical data:	
Motor type:	180M
Rated power - P2:	22 kW
Mains frequency:	50 Hz
Rated voltage:	3 x 380-400D/660-690Y V
Rated current:	40,5-38,5/23,3-22,3 A
Starting current:	820 %
Cos phi - power factor:	0.89
Rated speed:	2940 rpm
IE efficiency:	IE3 92,7%
IE Efficiency class:	IE3
Motor efficiency at full load:	92.7 %
Motor efficiency at 3/4 load:	92.5 %
Motor efficiency at 1/2 load:	90.5 %
Number of poles:	2
Enclosure class (IEC 34-5):	55 (Protect. water jets/dust)
Insulation class (IEC 85):	F
Built-in motor protection:	PTC
Motor No:	99546148
Bearing insulation type N-end:	Steel bearing
Controls:	
Frequency converter:	None
Pressure sensor:	N
Others:	
Minimum efficiency index, MEI ≥:	0.70
DOE Pump Energy Index CL:	0.00
DOE Pump Energy Index VL:	0.00
Net weight:	357 kg
Gross weight:	398 kg
Shipping volume:	0.827 m ³
Language on pump nameplate:	CN

