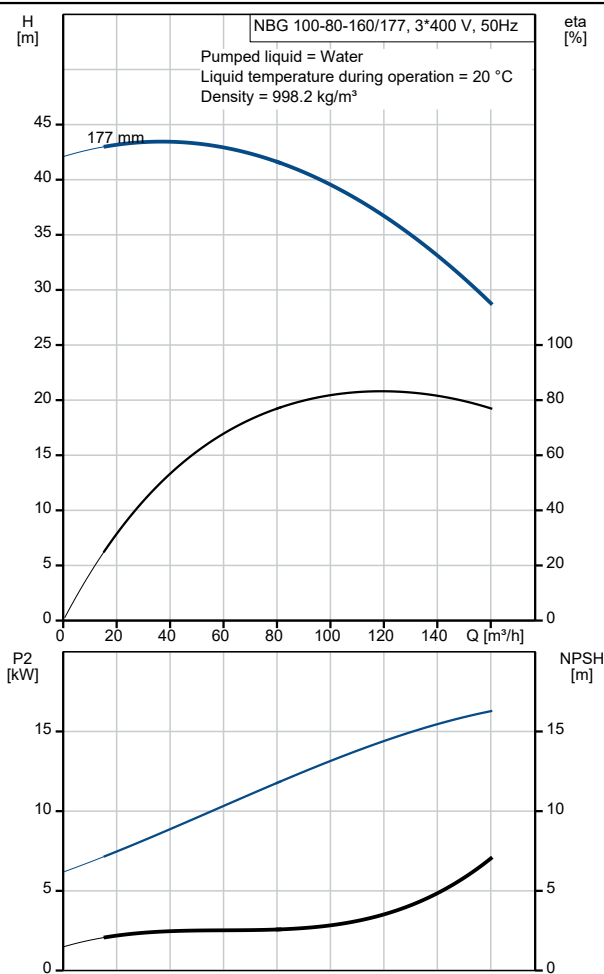


Description	Value
General information:	
Product name:	NBG 100-80-160/177 AAFE2CESBQQEPW1
Product No:	On request
EAN number:	On request
Technical:	
Pump speed on which pump data are based:	2940 rpm
Rated flow:	118.6 m ³ /h
Rated head:	36.49 m
Actual impeller diameter:	177 mm
Nominal impeller diameter:	160
Shaft seal arrangement:	Single
Shaft diameter:	32 mm
Code for shaft seal:	BQQE
Curve tolerance:	ISO9906:2012 3B
Pump version:	AF
Bearing design:	Standard
Materials:	
Pump housing:	Cast iron
Pump housing:	EN-GJL-250
Pump housing:	ASTM class 35
Wear ring:	Bronze
Impeller:	Cast iron
Impeller:	EN-GJL-200
Impeller:	ASTM class 30
Internal pump house coating:	CED
Material code:	C
Code for rubber:	E
Shaft:	Stainless steel
Shaft:	EN 1.4401
Shaft:	AISI 316
Installation:	
t max amb:	40 °C
Maximum operating pressure:	16 bar
Pipe connection standard:	AS2129 table E
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 (Yes/No):	N
Connect code:	E2
Liquid:	
Pumped liquid:	Water
Liquid temperature range:	-25 .. 120 °C
Selected liquid temperature:	20 °C
Density:	998.2 kg/m ³
Electrical data:	
Motor type:	WEG
IE Efficiency class:	IE3
Rated power - P2:	18.5 kW
Mains frequency:	50 Hz
Rated voltage:	3 x 380-415 V
Rated current:	35.3-33.1 A
Starting current:	900-900 %
Cos phi - power factor:	0.86/0.83
Rated speed:	2945/3540 rpm
Efficiency:	IE3 92.6%
Motor efficiency at full load:	92.6-92.6 %



Description	Value
Motor efficiency at 3/4 load:	92.6-92.6 %
Number of poles:	2
Enclosure class (IEC 34-5):	IP55
Insulation class (IEC 85):	F
Built-in motor protection:	PTC
Motor No:	99174341
Mount. design. acc. IEC 34-7:	IM B35
Controls:	
Frequency converter:	NONE
Pressure sensor:	N
Others:	
Minimum efficiency index, MEI ≥:	0.70
Net weight:	178 kg
Gross weight:	200 kg
Shipping volume:	0.509 m³