

Cos phi - power factor:

Motor efficiency at full load:

Rated speed:

Efficiency:

GRUNDF	osX	Company name: Created by: Phone: Email: Date:			NTD Pumps And Mechanical Construction Co.,LTD Tien Nguyen Van 0949570529 tien.nv@ntdpumps.com 20/05/2022						
Description	Value	H [m]					NBG 80-5	50-250/26	63, 50Hz	eta [%]	
General information:	Value				Pumpeo	liquid = \	Vater		1	[,0]	
Product name:	NBG 80-50-250/263	26			Liquid te Density	mperatur = 998.2 k	e during o g/m³	peration	= 20 °C		
Floduct hame.	AAJ2AESBQQEKW3	24.	263 mm								
Product No:	On request										
EAN number:	On request	22 -								-	
Technical:		20 -								100	
Pump speed on which pump data are based:	1470 rpm	18.						\setminus		- 90	
Rated flow:	47.45 m³/h	16								- 80	
Rated head:	19.94 m	14.								70	
Actual impeller diameter:	263 mm	10									
Nominal impeller diameter:	250	12.								- 60	
Shaft seal arrangement:	Single	10.								- 50	
Shaft diameter:	32 mm	8.	/							40	
Code for shaft seal:	BQQE			/							
Curve tolerance:	ISO9906:2012 3B2	6.								- 30	
Pump version:	A	4.								- 20	
Bearing design:	Standard	2.								10	
Materials:											
Pump housing:	Cast iron	0.	0 10	2	0 ;	30	40 4	50	Q [m³/h]	L 0	
Pump housing:	EN-GJL-250	P [kW]								NPSH [m]	
Pump housing:	ASTM class 35	[XVV] 5.								10	
Wear ring:	Bronze								P1		
Impeller:	Cast iron	4.							00	- 8	
Impeller:	EN-GJL-200								12		
Impeller:	ASTM class 30	3.					1			- 6	
Internal pump house coating:	CED			/							
Material code:	A	2.							/	- 4	
Code for rubber:	E	1.								2	
Shaft:	Stainless steel							1			
Shaft:	EN 1.4301	0.								Lo	
Shaft:	AISI 304										
Installation:											
t max amb:	60 °C										
Maximum operating pressure:	16 bar										
Pipe connection standard:	JIS B 2239										
Size of inlet connection:	DN 80										
Size of outlet connection:	DN 50										
Pressure rating for connection:	PN 16										
Bearing lubrication:	Grease										
Pump housing with feet:	Yes										
Support block (Yes/No):	N										
Connect code:	J2										
Liquid:											
Pumped liquid:	Water										
Liquid temperature range:	-25 120 °C										
Selected liquid temperature:	20 °C										
Density:	998.2 kg/m³										
Electrical data:	440140										
Motor type:	112MC										
IE Efficiency class:	IE3										
Rated power - P2:	4 kW										
Mains frequency:	50 Hz										
Rated voltage:	3 x 200-220D/346-380Y V										
Rated current:	17-18,8/9,85-10,8 A										
Starting current	1020-1050 %										

1020-1050 %

IE3 88,6% - IE3 88,6%

0.76-0.64

1470 rpm

88.6 %



Company name:	NTD Pumps And Mechanical Construction Co.,LTD
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Date:	20/05/2022

Description	Value
Motor efficiency at 3/4 load:	88.9 %
Motor efficiency at 1/2 load:	88.3 %
Number of poles:	4
Enclosure class (IEC 34-5):	55 Dust/Jetting
Insulation class (IEC 85):	F
Built-in motor protection:	PTC
Motor No:	98718338
Mount. design. acc. IEC 34-7:	IM V1/B5
Bearing insulation type N-end:	STEEL BEARING
Controls:	
Frequency converter:	NONE
Pressure sensor:	Ν
Others:	
Minimum efficiency index, MEI ≥:	0.70
Net weight:	99 kg
Gross weight:	116 kg
Shipping volume:	0.315 m³