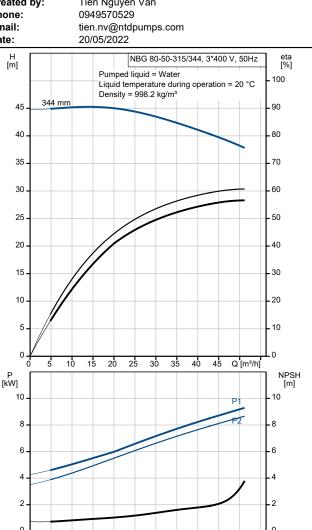


Rated voltage: Rated current: Starting current: Cos phi - power Rated speed:

Efficiency:

Motor efficiency at full load:

GRUNDF	osX	Company name: Created by: Phone: Email: Date:	NTD Pumps And Mechanical Construction Tien Nguyen Van 0949570529 tien.nv@ntdpumps.com 20/05/2022	Co.,LTD
Description	Value	H [m]	NBG 80-50-315/344, 3*400 V, 50Hz	eta [%]
General information:	value		Pumped liquid = Water	- 100
Product name:	NBG 80-50-315/344 AASJ2AESBQQENW3	45 344 mm	Liquid temperature during operation = 20 °C Density = 998.2 kg/m ³	- 90
Product No:	On request			
EAN number:	On request	40 -		- 80
Technical:	onrequeet			
Pump speed on which pump data are based:	1480 rpm	35 -		- 70
Rated flow:	51.03 m³/h	30 -		- 60
Rated head:	37.51 m			
Actual impeller diameter:	344 mm	25 -		- 50
Nominal impeller diameter:	315			10
Shaft seal arrangement:	Single	20 -		- 40
Shaft diameter:	32 mm	15 -		- 30
Code for shaft seal:	BQQE			- 50
Curve tolerance:	ISO9906:2012 3B	10-		- 20
Pump version:	AS	//		
Bearing design:	Standard	5-		- 10
Materials:	otandard			
Pump housing:	Cast iron		0 15 20 25 30 35 40 45 Q [m³/h]	Lo
Pump housing:	EN-GJL-250		0 15 20 25 30 35 40 45 Q [m ³ /h]	NPSH
Pump housing:	ASTM class 35	P [kW]		[m]
Wear ring:	Bronze	10 -	P1	- 10
Impeller:	Cast iron		P2	- 8
Impeller:	EN-GJL-200	8 -		-8
Impeller:	ASTM class 30	6 -		-6
Internal pump house coating:	CED			-
Material code:	A	4-		- 4
Code for rubber:	E			
Shaft:	L Stainless steel	2-		-2
Shaft:	EN 1.4301			
Shaft:	AISI 304	0 –		L 0
Installation:	AI3I 304			
· · · · · ·	60 °C			
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: Bearing lubrication:	PN 16			
	Grease			
Pump housing with feet: Support block (Yes/No):	Yes Y			
Connect code:				
Liquid:	J2			
-	Matar			
Pumped liquid:	Water			
Liquid temperature range:	-25 120 °C 20 °C			
Selected liquid temperature:				
Density: Electrical data:	998.2 kg/m³			
Electrical data:	160M			
Motor type:	160M			
IE Efficiency class:	IE3			
Rated power - P2:	11 kW			
Mains frequency:	50 Hz			
Rated voltage:	3 x 200DD/400D V			
Rated current:	41.7/20.8 A			
Starting current:	830-830 %			
Cos phi - power factor:	0.82			



1480 rpm

IE3 93,2%

93.2-93.2 %



Company name:	NTD Pumps And Mechanical Construction Co.,LTD
Created by:	Tien Nguyen Van
Phone:	0949570529
Email:	tien.nv@ntdpumps.com
Date:	20/05/2022

Description	Value	
Motor efficiency at 3/4 load:	93.2-93.2 %	
Motor efficiency at 1/2 load:	92.0-92.0 %	
Number of poles:	4	
Enclosure class (IEC 34-5):	55 (Protect. water jets/dust)	
Insulation class (IEC 85):	F	
Built-in motor protection:	PTC	
Motor No:	98787188	
Mount. design. acc. IEC 34-7:	IM B35	
Bearing insulation type N-end:	STEEL BEARING	
Controls:		
Frequency converter:	NONE	
Pressure sensor:	N	
Others:		
Minimum efficiency index, MEI ≥:	0.70	
Net weight:	270 kg	
Gross weight:	295 kg	
Shipping volume:	0.707 m ³	