## 8104.181 Major H 3~

Grindex drainage pumps are designed for professional use in tough applications like mines, construction sites, tunnel sites and other demanding industries. They are designed for pumping water that may contain solids

 up to the size of the strainer holes. Grindex drainage pumps are designed for continuous, unattended operation. They have proven their reliability and dependable performance in demanding areas like building and construction, mining, tunnelling, quarries, industries and rental applications.

### **Technical specification**





**6** grindex

### Configuration

Motor number B8104.181 15-14-2BB-W 5.6KW Impeller diameter 183 mm

#### Installation type S - Portable Semi permanent, Wet Discharge diameter 75 mm

Pump information
Impeller diameter
183 mm

Discharge diameter 75 mm

Inlet diameter

72 mm

Maximum operating speed 2880 rpm

Number of blades 2

Z

### Materials

**Impeller** Hard-Iron

**Stator housing material** Aluminium

ProjectCreated byLast updateBlock0Created on5/13/2020

# 8104.181 Major H 3~

### Technical specification

### Motor - General

3~ <b>Number of poles</b> 2	2880 rpm <b>Rated current</b> 19 A	5.6 kW Stator variant 5	
Number of poles 2	Rated current 19 A	<b>Stator variant</b> 5	
2	19 A	5	
Rated voltage	Insulation class	Type of Duty	
220 V	Н	S1	

#### Motor - Technical

Power factor - 1/1 Load 0.93

Power factor - 3/4 Load 0.89

Power factor - 1/2 Load 0.81 Motor efficiency - 1/1 Load 84.0 % Motor efficiency - 3/4 Load 85.9 %

Motor efficiency - 1/2 Load 86.1 % Total moment of inertia 0.0217 kg m<sup>2</sup>

Starting current, direct starting 123 A

**G**grindex

Starts per hour max.

30

Starting current, star-delta 41 A

 Project
 Created by
 Last update

 Block
 0
 Created on
 5/13/2020



# 8104.181 Major H 3~



**Duty Analysis**