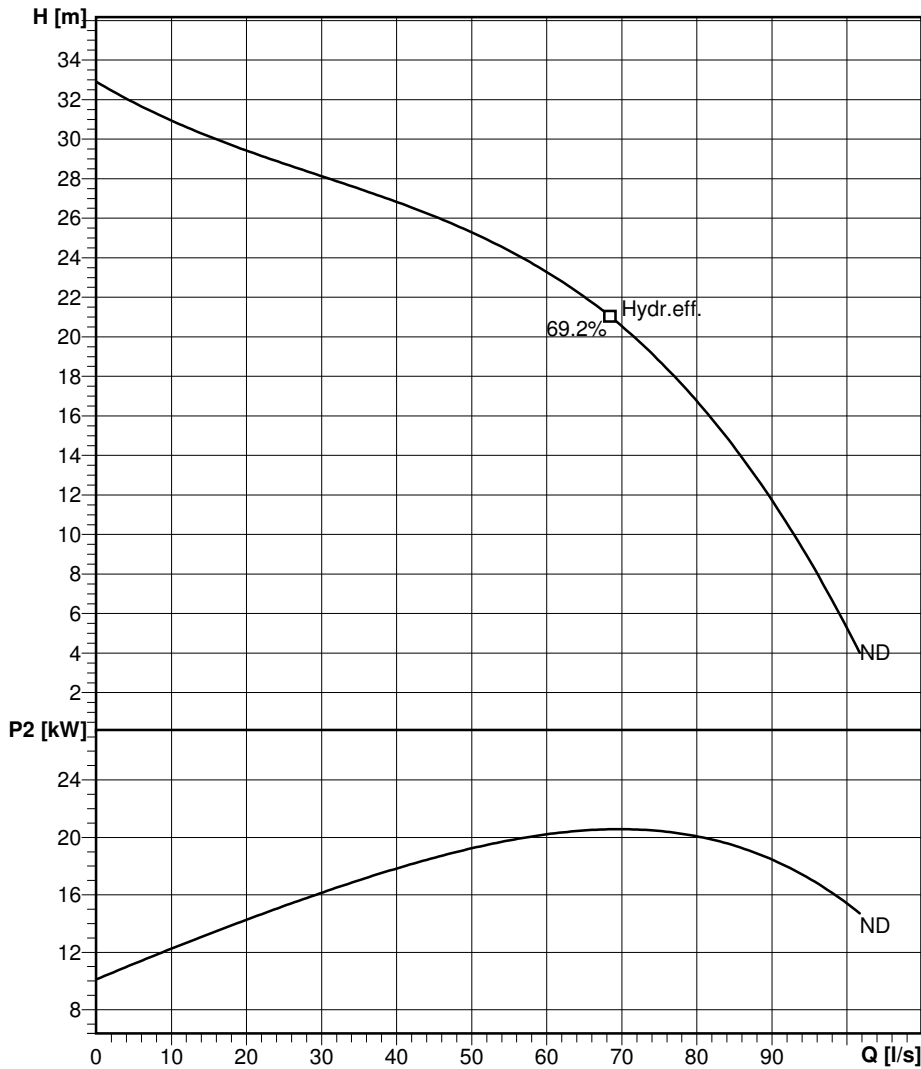


# J 205 ND 50HZ

Testnorm  
ISO 2548C



2008-11-19

<b>Operating data specification</b>			
Flow	68.4 l/s	Head	21 m
Efficiency	69.2 %	Shaft power	20.6 kW
Fluid	Water	Temperature	277 K
Nature of system	Single head pump	No. of pumps	1
<b>Pump data</b>			
Type	J 205 ND 50HZ	Make	ABS
Series	J 205-604	Impeller	Semi-open impeller
Impeller size	175 mm	Free passage	
Suction port	--	Discharge port	6"
<b>Motor data</b>			
Rated voltage	400 V	Frequency	50 Hz
Rated power P2	21 kW	Nominal speed	2930 1/min
Number of poles	2	Efficiency	90.5 %
Power factor	0.9	Rated current	39 A
Rated torque	68.4 Nm	Starting torque	
Degree of protection	IP68	Insulation class	F

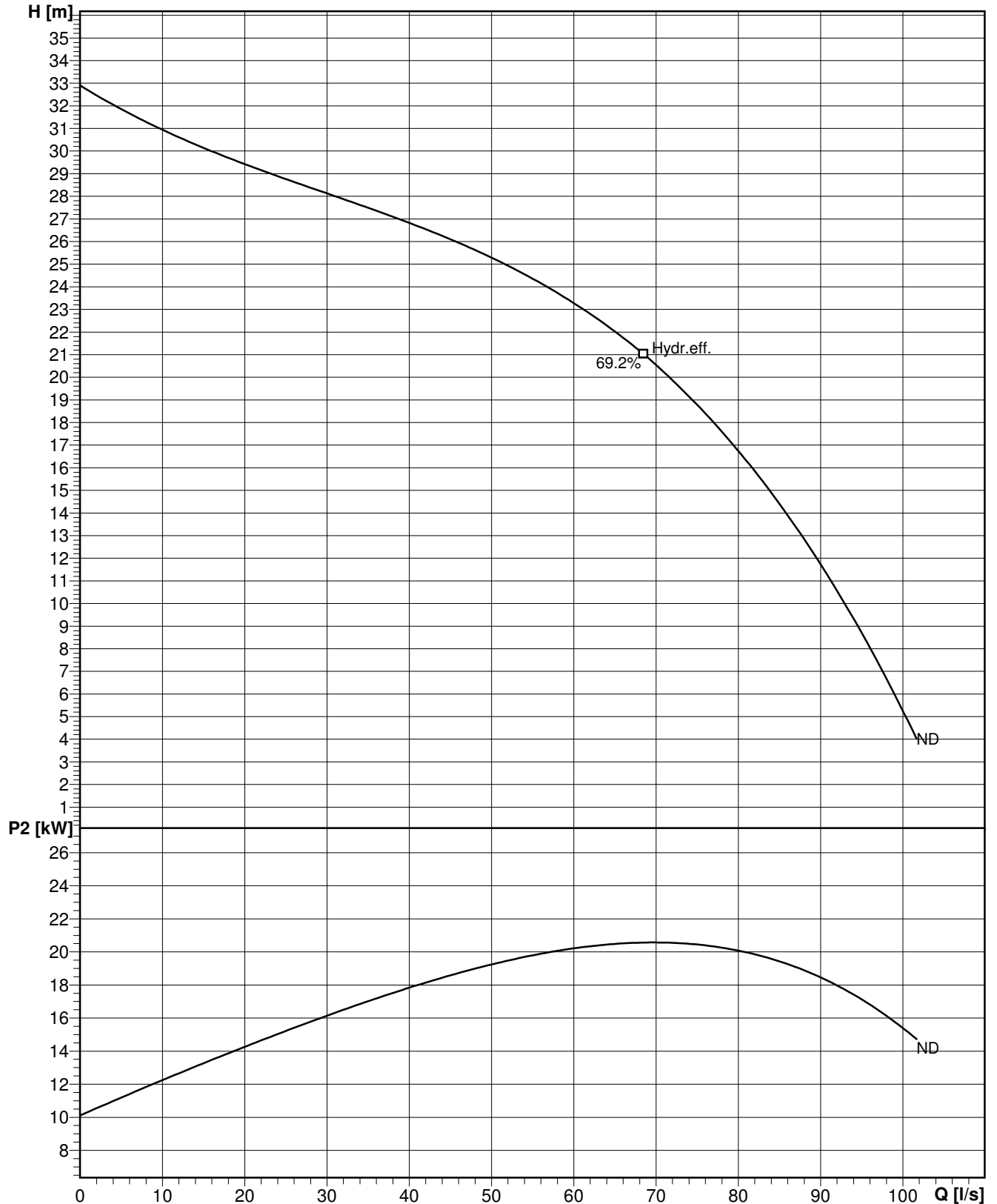


# Pump performance curves

## J 205 ND 50HZ

Curve number  
Reference curve  
J205ND

			Discharge 6"	Frequency 50 Hz
Density 1000 kg/m <sup>3</sup>	Viscosity 1.562 mm <sup>2</sup> /s	Testnorm ISO 2548C	Rated speed 2930 1/min	Date 2009-08-05
Flow 68.4 l/s	Head 21 m	Rated power 20.6 kW	Hydraulic efficiency 69.2 %	NPSH



Impeller size 175 mm	N° of vanes	Impeller Semi-open impeller	Solid size	Revision 2008-11-19 J205 ND-50Hz-AC
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ABS reserves the right to change any data and dimensions without prior notice and can not be held responsible for the use of information contained in this software.

ABSEL PRO 1.7.2 / 2006-12-21

## J 205 ND 50HZ

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J 205-604

Type: J 205 ND 50HZ

Powerful submersible drainage pumps designed for dewatering abrasive water from construction sites, mines, ships, docks and flooded areas. The pump has excellent performance capacity with high motor power combined with compact light weight design. A robust cooling jacket gives optimal cooling for the motor. The hydraulic section has stainless steel strainer, adjustable rubber lined wear parts and open multi-vane impeller in hardened chromed iron. All to ensure long life duty. High head performance can easily be converted into high volume. A starter box with monitoring features such as thermal sensors and seal probe ensure safe duty in abrasive environments. Environmentally friendly white oil is used in the pump.

Capacity up to        1220 m<sup>3</sup>/h  
Head, max.            103 m

#### Technical data

Delivery rate	: 68.4 l/s
Delivery head	: 21 m
Hydr. efficiency	: 69.2 %
Shaft power	: 20.6 kW
Speed	: 2930 1/min
Impeller type	: Semi-open impeller
Motor output	: 21 kW
Voltage	: 400 V
Frequency	: 50 Hz
Discharge outlet	: 6" PN 6