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ROBOT PUMPS

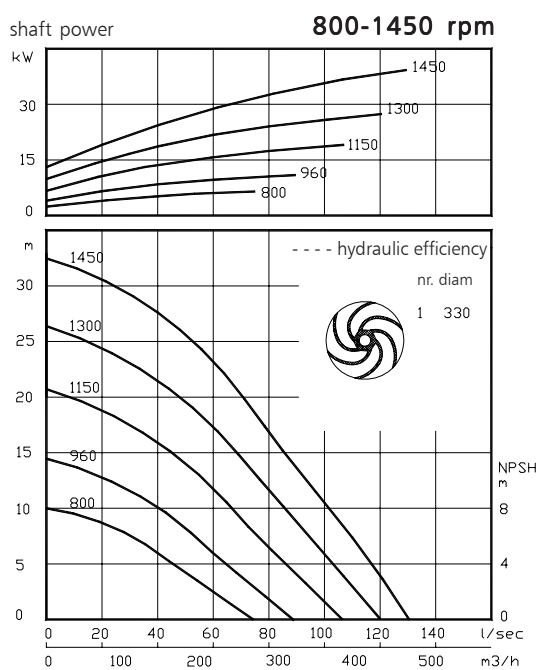
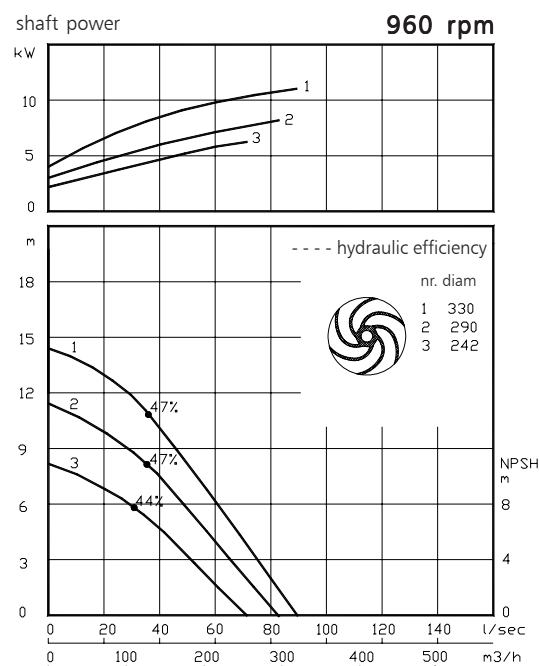
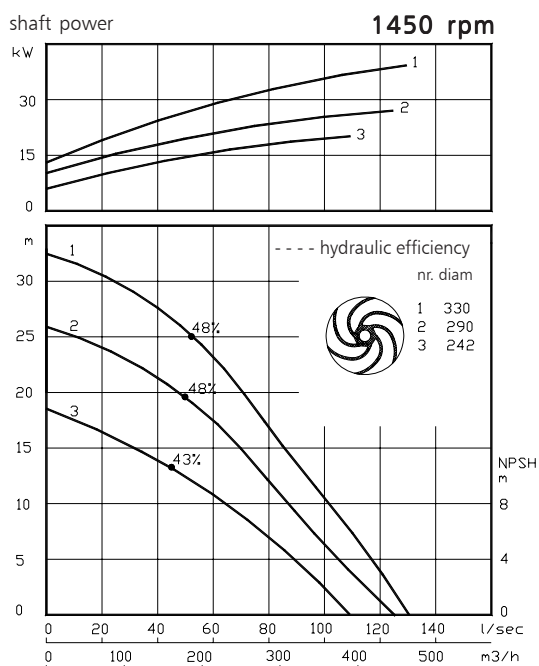
Dry Installed Vortex Slurry Pump

BD6040

The Vortex impeller pumps in wear resistant Nihard 4 are designed to pump a wide variety of highly abrasive solids contaminated liquids in many applications. These pumps are designed for a stationary dry installation of pump and motor.

solids passage : 100 mm **50 Hz**
 discharge flange : NW 150
 suction flange : NW 150
 impeller diameter : 330/290/242 mm
 recommended min. flow : 13 l/s (47 m³/h)

hydraulic characteristics in clean cold water according to ISO 9906 grade 2



Available electric motors
Degree of protection IP55

Class	kW	[rpm]
IEC 160M	7.5	960
IEC 160L	11	960
	15	1450
IEC 180M	18.5	1450
IEC 180L	15	960
	22	1450
IEC 200L	30	1450
IEC 225S	37	1450
IEC 225M	45	1450

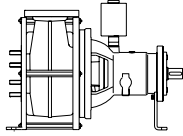
www.robotpumps.com

Engineered for life



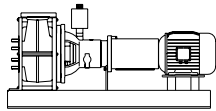
Installation options

BD6040



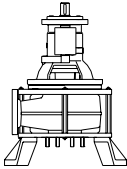
H

Horizontal installation:
Bare shaft



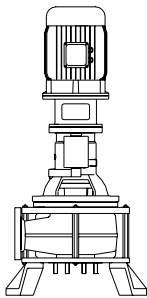
HM

Horizontal installation:
With foundation plate
and electric motor.



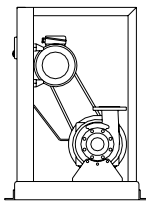
V

Vertical installation:
Bare shaft



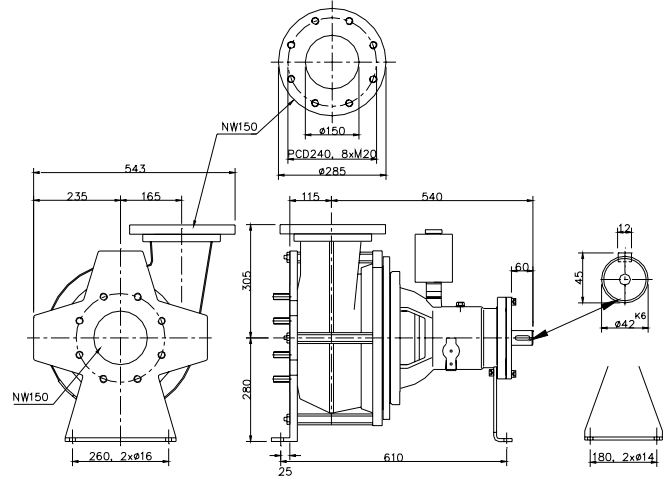
VM

Vertical installation:
With support and electric
motor.



K

V-belt driven:
Frame construction.
For motors IEC100L-200L.



Flange connections

Standard

DIN 2501 PN10/PN16

p.c.d. Number of holes

Discharge NW 150 240 8x M20

Suction NW 150 240 8x M20

Weight (H version): 160 kg.

Optional:

- seal flushing

Other options and materials upon request

Materials

sealhousing	: 1
wear plate	: 6
pump casing	: 6
impeller	: 6
pump shaft	: 3 5
bearing housing	: 1
bolts	: 4 5
elastomer	: 8+9 10
seal lubrication	: oil
pump seal	: silicon carbide-ceramic
secondary seal	: carbon - ceramic
primer	: alkyd primer
top coating	: two components high-build polyurethane coating

1	cast iron	EN-GJL-250
2	sg cast iron	EN-GJS-400-15
3	stainless steel 431	X20 CrNi 17 2
4	stainless steel 304	X5 CrNi 18 10
5	stainless steel 316	X5 CrNiMo 17 12 2
6	Nihard 4	G-X300CrNiSi 9 5 2
7	wear resistant sg iron	HB 500
8	nitrile	(NBR)
9	neoprene	(CR)
10	viton	(FPM)

We reserve the right to alter specifications without prior notice.