



ITT

ROBOT PUMPS

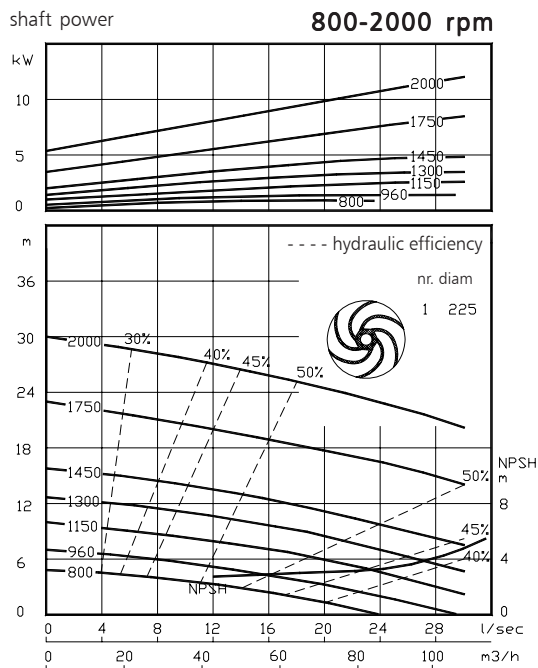
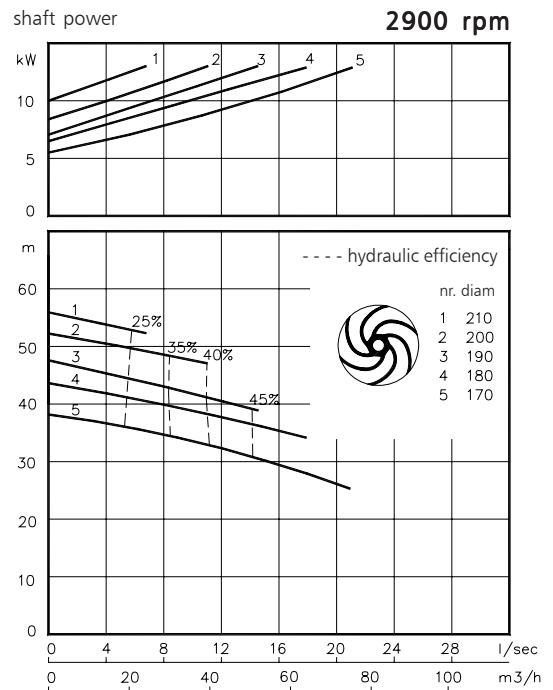
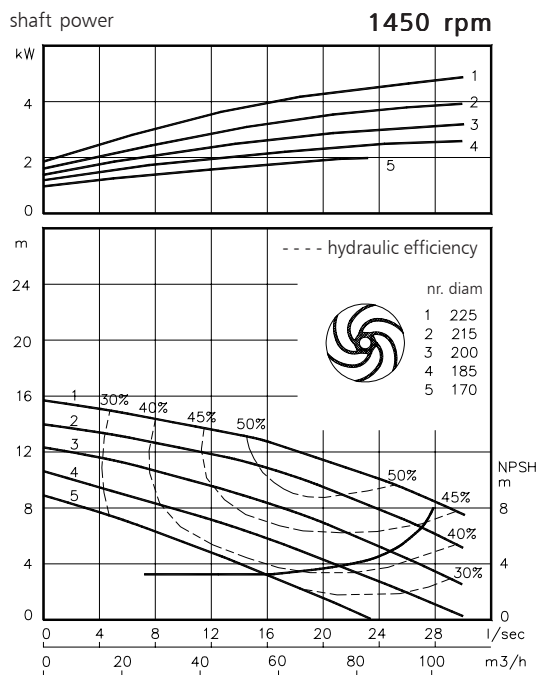
Dry installed vortex pump

BW4020

The dry installed vortex pumps are designed to pump a wide variety of solids contaminated liquids. They are used for sewage and other waste water applications. These pumps are designed for a stationary dry installation of pump and motor.

solids passage : 65 mm **50 Hz**
 discharge flange : NW 80
 suction flange : NW 80
 impeller diameter : 225-170 mm
 recommended min. flow : 3.5 l/s (13 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 132S	5.5	1450
	5.5	2900
	7.5	2900
IEC 132M	7.5	1450
IEC 160M	11.0	1450
	11.0	2900
	15.0	2900

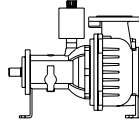
www.robotpumps.com

Engineered for life



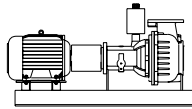
Installation options

BW4020



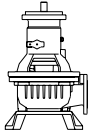
H

Horizontal installation:
Bare shaft



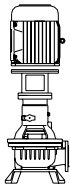
HM

Horizontal installation:
With foundation plate
and electric motor.



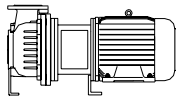
V

Vertical installation:
Bare shaft



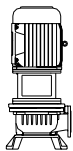
VM

Vertical installation:
With support and electric
motor.



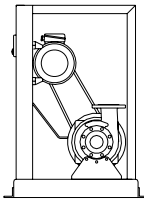
HS

Short coupled:
Horizontal installation.



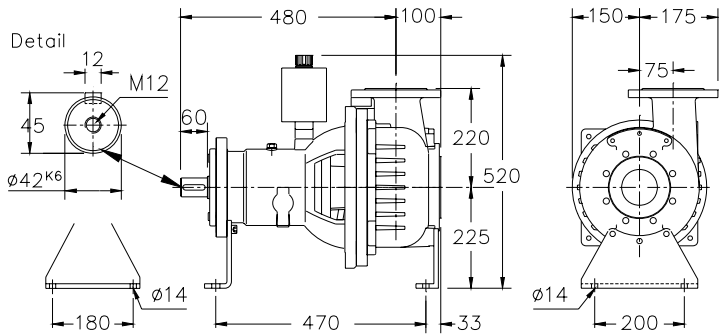
VS

Short coupled:
Vertical installation.



K

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



Flange connections

	Standard	DIN 2501	PN10/PN16	Number x holes
Discharge	NW 80	160	8x ø19	
Suction	NW 80	160	8x M16	

Weight (H version): 100 kg.

Optional:
- seal flushing

Other options and materials upon request

Materials

sealhousing	: 1
pump casing	: 1
impeller	: 2 5 6 7
pump shaft	: 3 5
bearing housing	: 1
bolts	: 4 5
elastomer	: 8+9 10
seal lubrication	: oil
pump seal	: silicon carbide-silicon carbide
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	stainless steel 329	X4 CrNiMoN 27 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.