

wilo Pump Data Sheet

Sheet No.	
Customer	
Item No.	
Date	2017-03-24

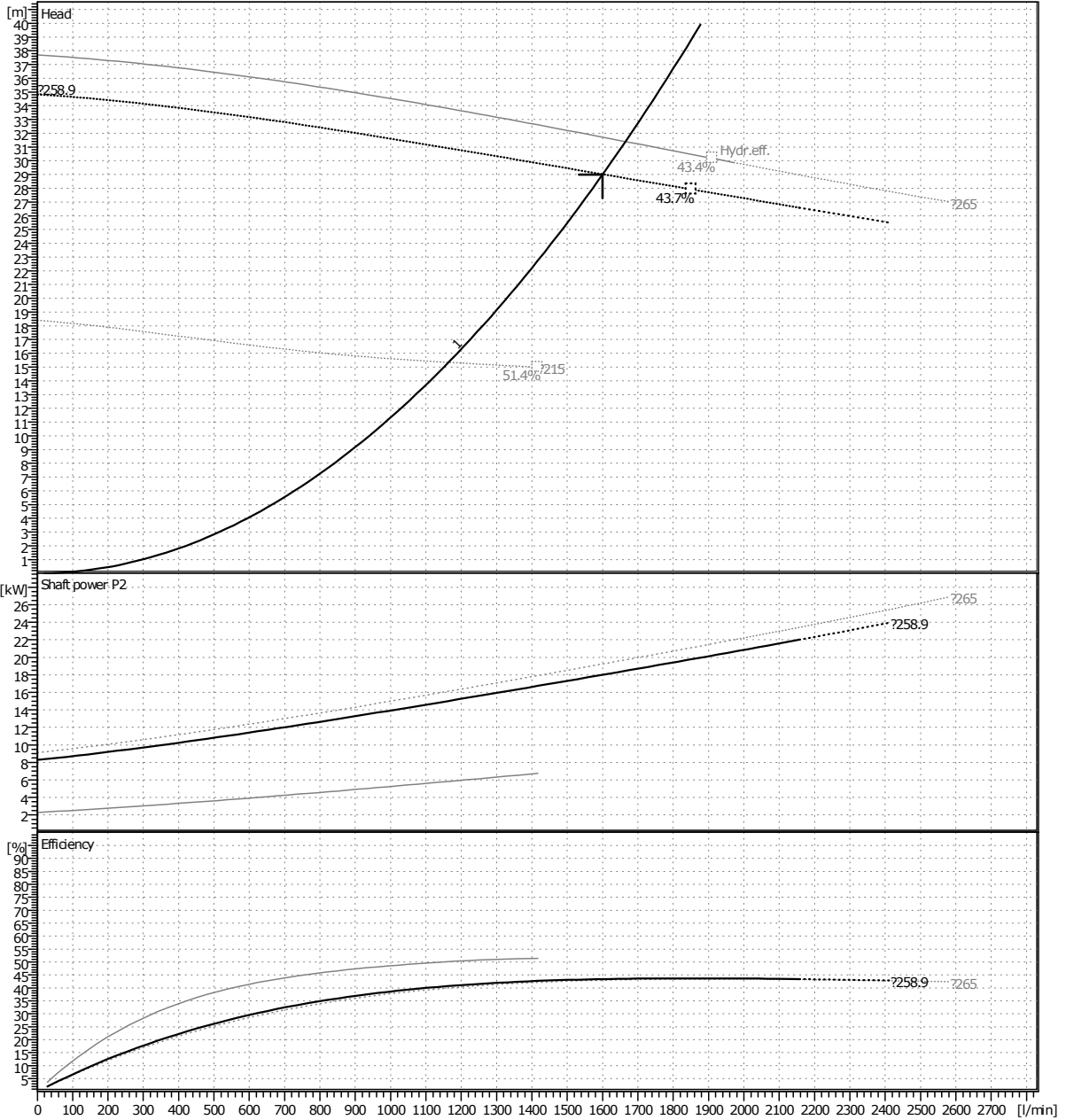
1	MODEL	PVH-1080D_IE2		Title		
2	Location			Agent		
3	Service			Plant Name		
4	Quantity	Set(s)		Installation	<input checked="" type="checkbox"/> Indoor <input type="checkbox"/> Outdoor	
5	OPERATING CONDITION					
6	Liquid	Water		Flow	1600 l/min	
7	Pumping Temp.	Ambient		Suc. Pressure		
8	S.G.	1		Dis. Pressure		
9	Vap. Pressure	0.03kg/cm2A at 24?		Diff. Pressure		
10	Viscosity	1 cP		Total Head	29 m	
11	PERFORMANCE AND CONSTRUCTION				MATERIAL	
12	Horizontal		Efficiency	43.4 %	Part Name	Symbol
13	No. of Stages	1	Rated Power	18 kW	Casing&Cover	GC200
14	Speed	1750 rpm	NPSHre	0 m	Impeller	GC200
15	Rotation	CW (view from drive end)			Shaft	SM45C
16	BORE	Size(Dia)	Rating	Face	Position	Sleeve
17	Suction	100 mm	10kgf/cm2	FF	End	B/R Housing
18	Discharge	80 mm	10kgf/cm2	FF	Top	Casing Ring
19	Impeller Type	Semi Open	Single Stage Vortex		HYDROSTATIC	
20	Flow Direction	Radial		Casing		3 min
21	Shaft Seal	M/Seal	Shaft Sleeve	Yes	Jacket	3 min
22	Mounting	Foot		TESTING		
23	Lubrication	<input checked="" type="checkbox"/> Grease <input type="checkbox"/> Oil Bath		Items		Witness
24	Cooling	<input type="checkbox"/> Stuff.Box <input type="checkbox"/> B/R Housing <input checked="" type="checkbox"/> No Cooling		Run Perform.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
25	Radial Bearing	6307zzC3	Thrust Bearing	6308zzC3	Hydrostatic(Air Press.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
26	MOTOR SPECIFICATION				SPARE PART	
27	Maker	HIGEN	Phase / V / Hz	3~ <input checked="" type="checkbox"/> 380V <input type="checkbox"/> ~60 Hz		Set(s)
28	Type	TEFC	Motor Frame No.	180 M		Set(s)
29	Power	22 kW	Furnished by	<input checked="" type="checkbox"/> WILO <input type="checkbox"/> Customer		Set(s)
30	No. of Pole	4 P	Mounted by	<input checked="" type="checkbox"/> WILO <input type="checkbox"/> Customer		Set(s)
31	Insulation	<input checked="" type="checkbox"/> F <input type="checkbox"/>	Enclosure	<input checked="" type="checkbox"/> IP 54 <input type="checkbox"/>		Set(s)
32	ACCESSORY(<input checked="" type="checkbox"/>Supplied : WILO)					Set(s)
33	<input checked="" type="checkbox"/> Common Base	Steel Channel				Set(s)
34	<input type="checkbox"/> Foundation Bolts & Nuts					Set(s)
35	<input checked="" type="checkbox"/> Coupling	<input checked="" type="checkbox"/> Flange <input type="checkbox"/>	<input checked="" type="checkbox"/> Coupling Guard			Set(s)
36	<input type="checkbox"/> Pressure Guage					Set(s)
37	<input type="checkbox"/> Plug for Drain & Air vent.					Set(s)
38	<input type="checkbox"/> Seal Flushing					Set(s)
39	M/Seal	Maker	KSM	Model & Size	S1A /	Set(s)
40		Type	Unbalanced	Cooler	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Set(s)
41		API 610 Plan				
42		Material Code	SiC/SiC,Viton		WEIGHT	
43	<input type="checkbox"/> Companion Flanges			Pump	136 kg	
44	<input type="checkbox"/> Special Tool			Bed	66 kg	
				Motor	185 kg	
				Total wt.	272 kg	

*Pump test acceptance grade in accordance with ISO 9906:2012, Grade 2B.

Estimated Performance Curve

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SPECIFICATION			
PUMP	CAPACITY	1600 l/min	MOTOR
	TOTAL HEAD	29 m	
	SUCTION BORE	100 mm	
	DISCHARGE BORE	80 mm	
	LIQUID	WATER	
	MAKER	WILO	
OUTPUT		22 kW	
VOLTAGE		<input checked="" type="checkbox"/> 380V <input type="checkbox"/>	
FREQUENCY		60 Hz	
SPEED		1750 1/min	
TYPE		TEFC	
MAKER		HIGEN	



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* Subject to change without prior notice.

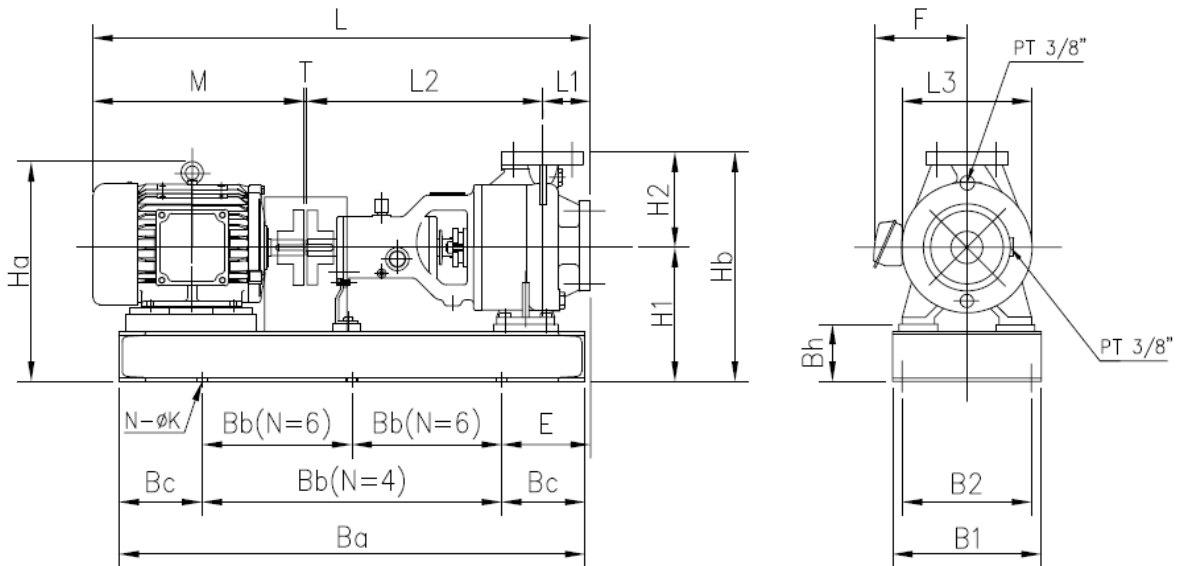
TYPE	Single Stage Vortex
MODEL	PVH-1080D_IE2
SERVICE	

Outline Drawing

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SPECIFICATION

PUMP	CAPACITY	1600 l/min	MOTOR	OUTPUT	22 kW
	TOTAL HEAD	29 m		VOLTAGE	<input checked="" type="checkbox"/> 380V <input type="checkbox"/>
	SUCTION BORE	100 mm		FREQUENCY	60 Hz
	DISCHARGE BORE	80 mm		SPEED	1750 1/min
	LIQUID	WATER		TYPE	TEFC
	MAKER	WILO		MAKER	HIGEN

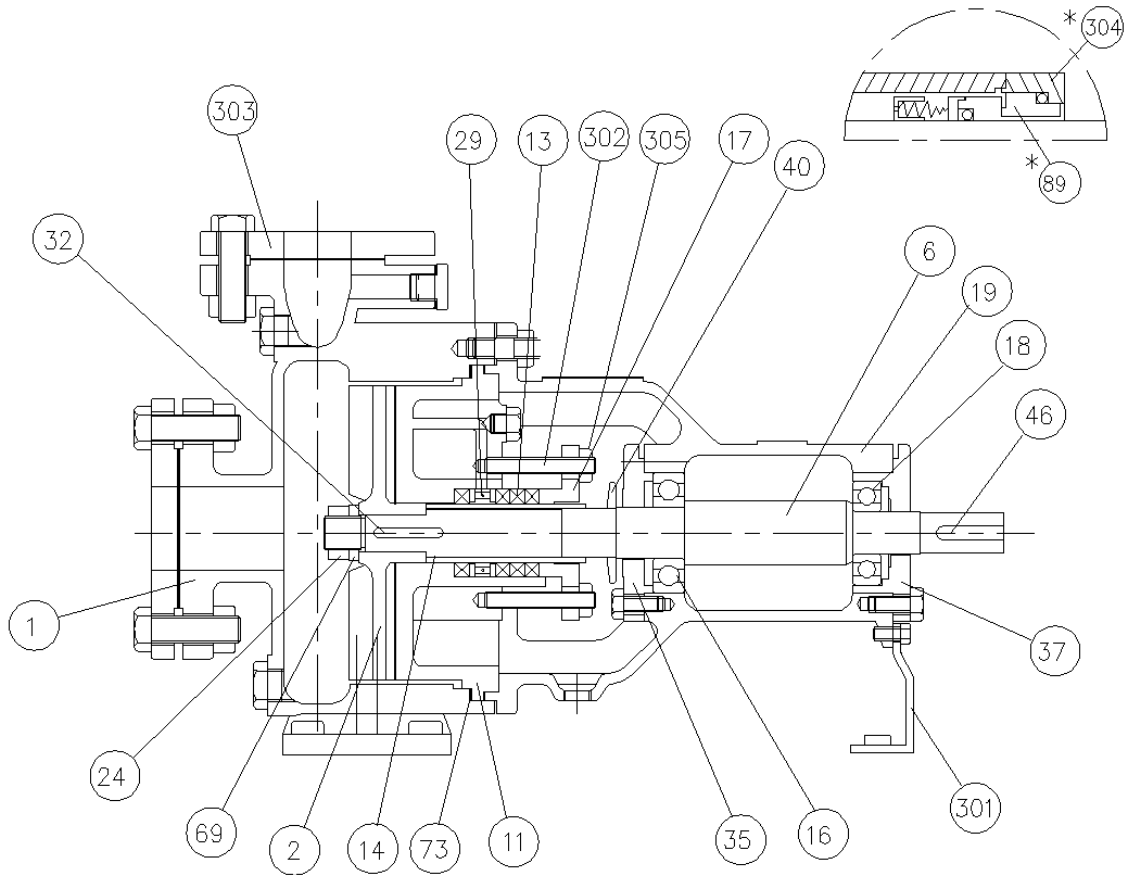


L1	125	Hb	590	E	266
L2	568	Ha	556	B1	440
L3	346	Bh	110	B2	395
L	1341	T	3	N	6
M	645	Ba	1100	K	19
H1	310	Bb	400	F	286
H2	280	Bc	100		

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Sectional Drawing

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* : Option Parts

No.	Part Name	Material	Qt'y	No.	Part Name	Material	Qt'y
1	Casing	GC200	1	35	Bearing Cover(A)	GC200	1
2	Impeller	GC200	1	37	Bearing Cover(B)	GC200	1
6	Shaft	SM45C	1	40	Deflector	NR610	3
11	Casing Cover	GC200	1	46	Coupling Key	SM45C	4
13	Gland Packing	Fabric	4	69	Impeller Washer	STS304	1
14	Sleeve	STS304	1	73	Casing Gasket	NBR	1
16	Ball Bearing(A)	STB2	1	*89	Mechanical Seal		1
17	Gland	GC200	1	301	Support	SCP1	1
18	Ball Bearing(B)	STB2	1	302	Gland Bolt	STS304	2/4
19	Bearing Housing	GC200	1	303	Companion Flange	SM45C	2
24	Impeller Nut	STS304	1	*304	M/Seal Cover	GC200	1
29	Lantern Ring	NORYL/HBsC1	1	305	Nut	C3602BD	2/4
32	Impeller Key	SM45C	1				

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