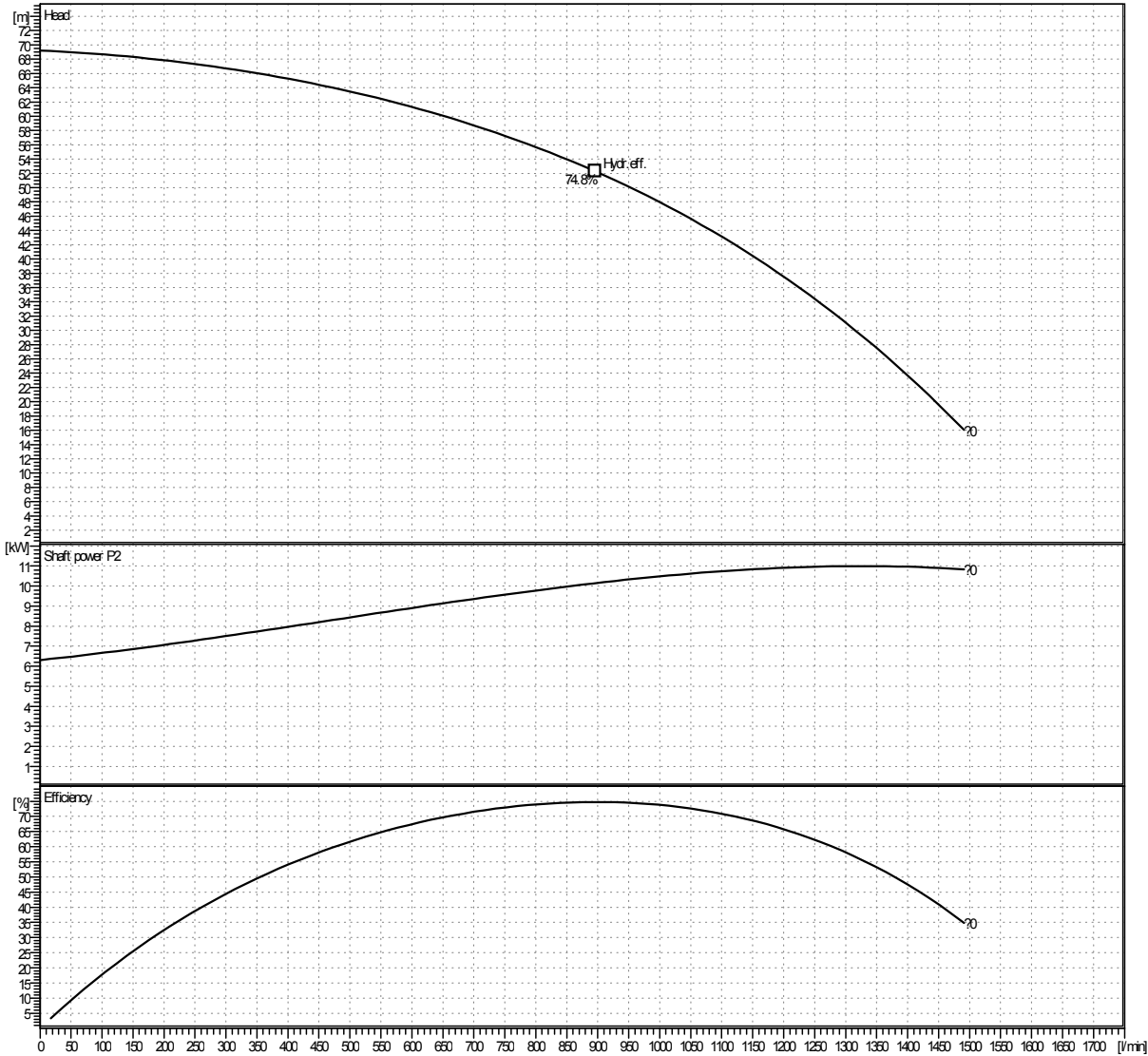


					Sheet No.		
					Customer		
					Item No.		
					Date	2017-02-27	
1	MODEL		Helix V5202/1 / PN16		Title		
2	Location				Agent		
3	Service				Plant Name		
4	Quantity		Set(s)		Installation		☒ Indoor ☐ Outdoor
5	OPERATING CONDITION						
6	Liquid		Water		Flow		0 l/min
7	Pumping Temp.		Ambient		Suc. Pressure		
8	S.G.		1		Dis. Pressure		
9	Vap. Pressure		0.03kg/cm2A at 24?		Diff. Pressure		
10	Viscosity		1 cP		Total Head		0 m
11	PERFORMANCE AND CONSTRUCTION					MATERIAL	
12	Vertical		Efficiency		%		Part Name Symbol
13	No. of Stages		2		Rated Power		Casing GC250
14	Speed		3550 rpm		NPSHre		Impeller STS304L
15	Rotation		CW		(view from drive end)		Shaft STS431
16	Bore		Size(Dia)		Rating		Face Position Tube STS304
17	Suction		80 mm		PN 16		RF Side Diffuser STS304L
18	Discharge		80 mm		PN 16		RF Side End Shield GC250
19	Impeller Type		Closed		Vertical Multi-Stage		HYDROSTATIC
20	Flow Direction		Radial		Casing		3 min
21	Shaft Seal		M/Seal		Shaft Sleeve		No Jacket 3 min
22	Mounting		Foot		TESTING		
23	Lubrication		☒ Grease		Items		Witness
24	Cooling		☒ No Cooling		Run Perform.		☒ Yes ☐ No ☐ Yes ☒ No
25	Radial Bearing		-		Thrust Bearing		- Hydrostatic(Air Press.) ☒ Yes ☐ No ☐ Yes ☒ No
26	MOTOR SPECIFICATION					SPARE PART	
27	Supplier		WILO		Phase / V / Hz		3~ 380V ~ 60 Hz Set(s)
28	Type		TEFC		Furnished by		☒ WILO ☐ Customer Set(s)
29	Power		11 kW		Mounted by		☒ WILO ☐ Customer Set(s)
30	No. of Pole		2 P		Enclosure		☒ IP 55 ☐ Set(s)
31	Insulation		☒ F ☐				Set(s)
32	ACCESSORY(☒ Supplied : WILO)					Set(s)	
33	☐ Common Base					Set(s)	
34	☐ Foundation Bolts & Nuts					Set(s)	
35	☒ Coupling		Half (Rigid & Split Type)		☒ Coupling Guard		Set(s)
36	☐ Pressure Guage					Set(s)	
37	☒ Plug for Drain & Air vent.					Set(s)	
38	☐ Seal Flushing					Set(s)	
39	M/Seal		Maker		Eagle-Burgmann		Model & Size MG12 Set(s)
40			Type		Unbalanced		Cooler ☐ Yes ☒ No Set(s)
41			API 610 Plan		WEIGHT		
42			Material Code		SiC/Carbon,EPDM		Pump 161 kg
43	☐ Companion Flanges						
44	☐ Special Tool						
					Total wt.		161 kg
*Pump test acceptance grade in accordance with ISO 9906:2012, Grade 2B.							

Estimated Performance Curve

Sheet No.	
Customer	
Item No.	
Date	2017-02-27

SPECIFICATION					
PUMP	CAPACITY	0 l/min	MOTOR	OUTPUT	11 kW
	TOTAL HEAD	0 m		VOLTAGE	380V
	SUCTION BORE	80 mm		FREQUENCY	60 Hz
	DISCHARGE BORE	80 mm		SPEED	3550 1/min
	LIQUID	WATER		TYPE	TEFC
	MAKER	WILO		SUPPLIER	WILO



A/B Efficiency	Capacity	Efficiency(%)
A Efficiency	896.55 l/min	74.8
B Efficiency		

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

* Subject to change without prior notice.

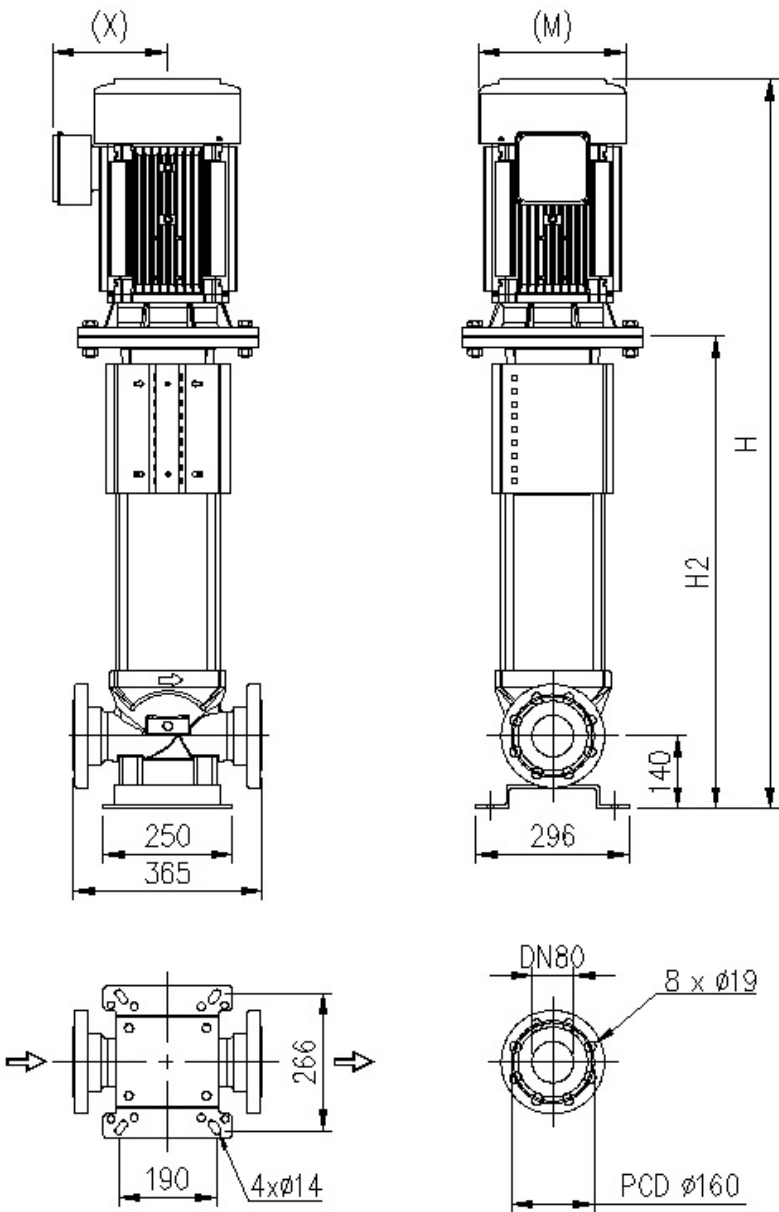
TYPE	Vertical Multi-Stage
MODEL	Helix V5202/1 / PN16
SERVICE	

Outline Drawing

Sheet No.	
Customer	
Item No.	
Date	2017-02-27

SPECIFICATION

PUMP	CAPACITY	0 l/min	MOTOR	OUTPUT	11 kW
	TOTAL HEAD	0 m		VOLTAGE	380V
	SUCTION BORE	80 mm		FREQUENCY	60 Hz
	DISCHARGE BORE	80 mm		SPEED	3550 1/min
	LIQUID	WATER		TYPE	TEFC
	MAKER	WILO		SUPPLIER	WILO

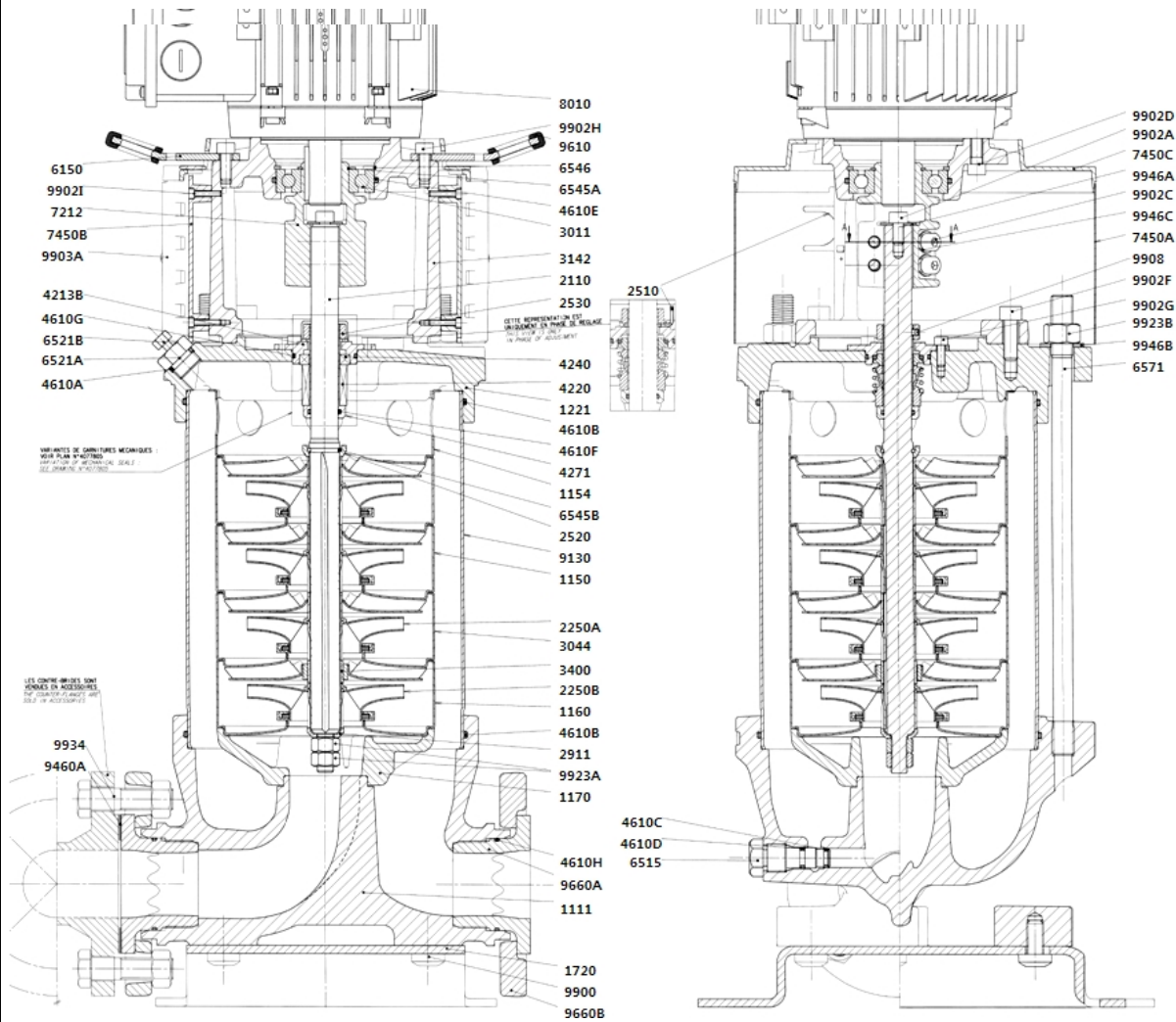


* Dimension of outline drawing subjects to change without prior notice.

H	1309	H2	813	M	284	X	206
TYPE		Vertical Multi-Stage					
MODEL		Helix V5202/1 / PN16					
SERVICE							

Sectional Drawing

Sheet No.	
Customer	
Item No.	
Date	2017-02-27

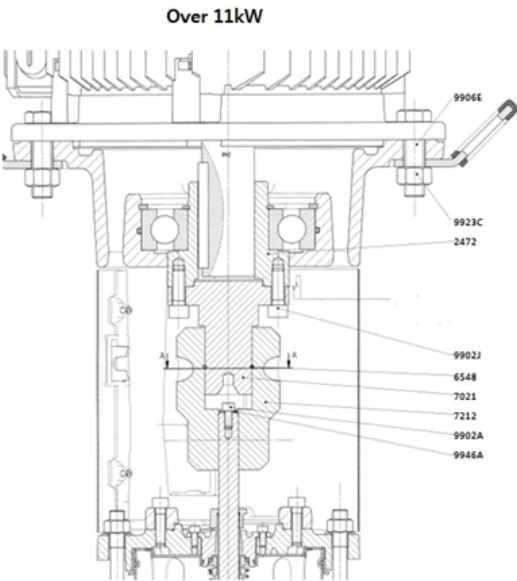
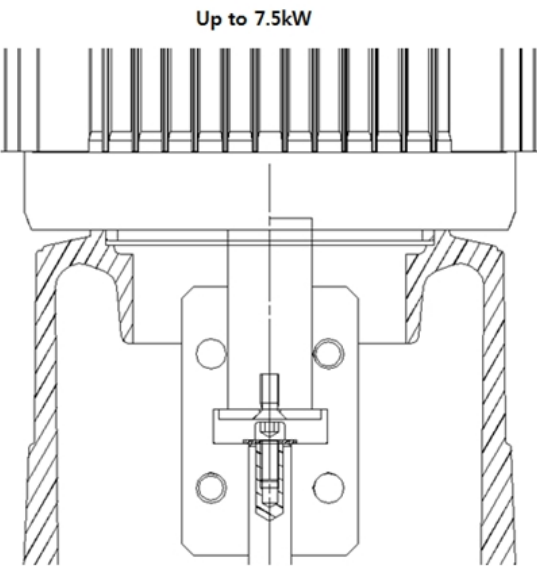


No	Description	No	Description
1111	Pump casing	9923 A	Shaft end nut
1150	stage casing with return guides vanes and neck ring	9923 B	Installation tie rod nut
1154	Centering end stage with return guides vanes	9946 A	Washer under 9902A screw
1160	Stage casing without return guides vanes with neck ring	9946 B	Washer under 9923B screw
2110	Pump shaft	9946 C	Washer under 9902C screw
2250A	Impeller with spacer	1170	Hydraulic support
2250B	Impeller without spacer	7450C	coupling guard top cover
2520	Back-up ring (or Thrust ring)	7450A	Sheet coupling protector
2911	Shaft end washer	9908	Screw
3011	Lantern ball bearing	9902F	Screw fix.lantern/end shield
3044	Stage casing with r.g.vanes and intermediat bearing and neck ring	9902G	Screw
3400	sleeve	9610	Protector ring of handling
4213B	Mechanical seal Ø22 ring holder	4610E	O'ring FOR ball bearing
4220	Rotating part - mechanical seal	3142	Machining lantern
4240	Stationary part - mechanical seal	2530	Drive ring for mechanical seal
4610 A	O'ring for filling plug	2510	Setting shim shaft
4610 B	O'ring for tube	1221	End shield
4610 C	O'ring drain and Priming plug	4610F	O'ring
4610 D	O'ring drain and Priming plug	4271	Sleeve under mechanical seal
6515	Draining and priming plug	4610H	O'ring
6521	Filling and venting plug	9660A	Gasket holder
6545 A	Circlip (lantern ball bearing)	1720	Base
6545 B	Half keeper (thrust ring)	9900	Screw fix. Base/housing
6546	Circlip (lantern ball bearing)	9660B	flange
6571	Tie bolt	6150	Platinize handling FT
7212	Coupling	4610G	O'ring
7450 B	Coupling guard support	9906E	Screw fix. motor
8010	Motor	9923C	Motor fastening nut
9130	Tube	2472	Hub
9902 A	Shaft end upper screw	9902J	Screw for spacer
9902 C	Coupling fastening screw	6548	Stop-rush
9902 D	Screw fastening Motor	7021	Spacer
9902 H	Screw fastening platinize handling	7212	Coupling
9902 I	Plastic support screw	9929E	Nut

TYPE	Vertical Multi-Stage
MODEL	Helix V5202/1 / PN16
SERVICE	

Sectional Drawing

Sheet No.	
Customer	
Item No.	
Date	2017-02-27



No.	Description
9906E	Screw fix. Motor
9923C	Motor fastening nut
2472	Hub
9902J	Screw for spacer
6548	Stop-rush
7021	Spacer
7212	Coupling

TYPE	Vertical Multi-Stage
MODEL	Helix V5202/1 / PN16
SERVICE	