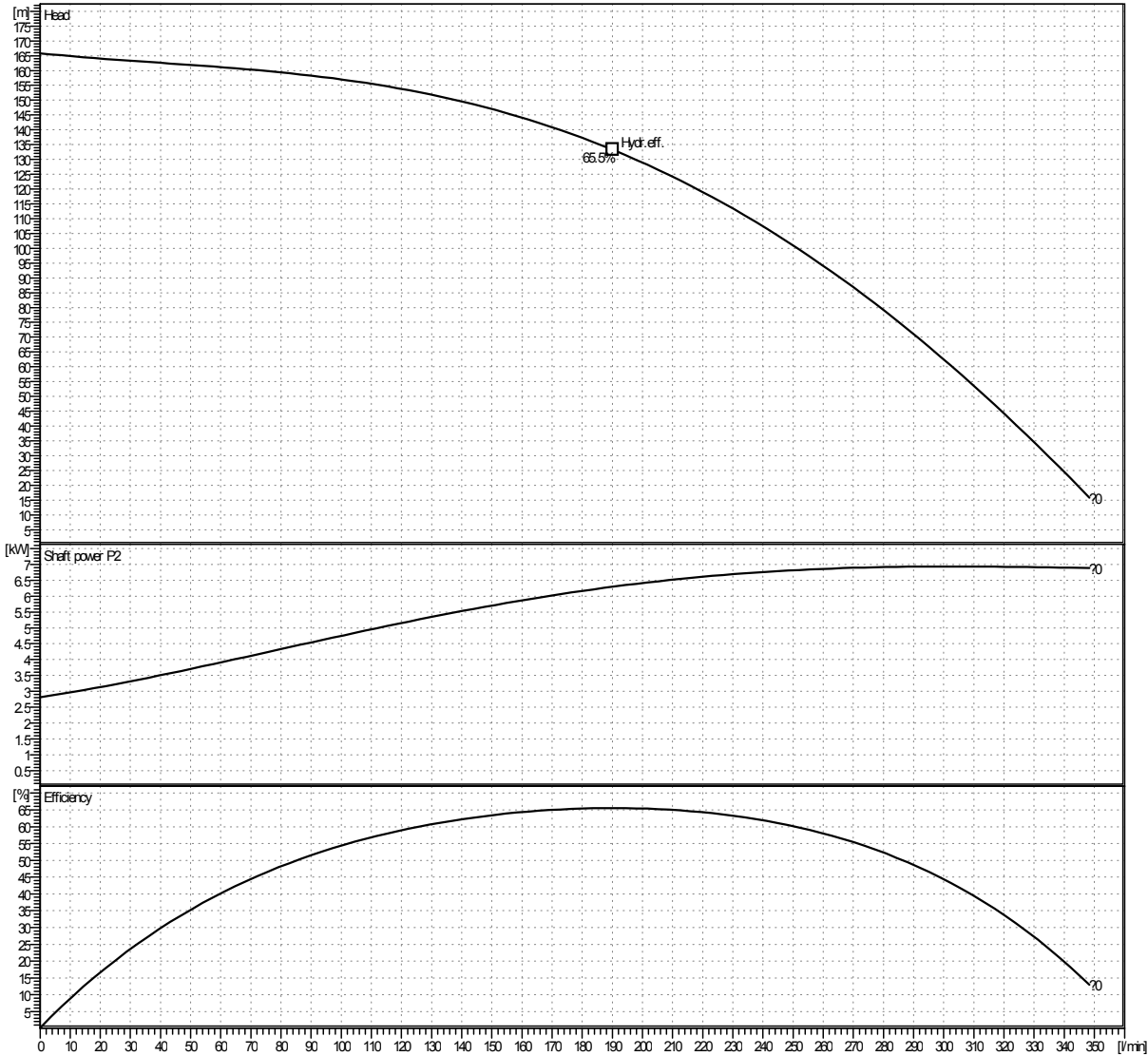


					Sheet No.		
					Customer		
					Item No.		
					Date	2017-02-09	
1	MODEL		Helix V1011 / PN25		Title		
2	Location				Agent		
3	Service				Plant Name		
4	Quantity		Set(s)		Installation		☒ Indoor ☐ Outdoor
5	OPERATING CONDITION						
6	Liquid		Water		Flow		0 l/min
7	Pumping Temp.		Ambient		Suc. Pressure		
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		11		Rated Power		Casing STS304
14	Speed		3550 rpm		NPSHre		Impeller STS304L
15	Rotation		CW		(view from drive end)		Shaft STS304
16	Bore		Size(Dia)		Rating		Face Position Tube STS304
17	Suction		40 mm		PN 25		RF Side Diffuser STS304L
18	Discharge		40 mm		PN 25		RF Side Top Cover STS304
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		7.5 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 RMG12 Set(s)
40			Type		Unbalance		Cooler ☐ Yes ☒ No Set(s)
41			API 610 Plan		WEIGHT		
42			Material Code		TC/Carbon,EPDM		Pump 97.7 kg
43	☐ Companion Flanges						
44	☐ Special Tool						
					Total wt.		97.7 kg
*Pump test acceptance grade in accordance with ISO 9906:2012, Grade 2B.							

Estimated Performance Curve

Sheet No.	
Customer	
Item No.	
Date	2017-02-09

SPECIFICATION					
PUMP	CAPACITY	0 l/min	MOTOR	OUTPUT	7.5 kW
	TOTAL HEAD	0 m		VOLTAGE	380V
	SUCTION BORE	40 mm		FREQUENCY	60 Hz
	DISCHARGE BORE	40 mm		SPEED	3550 1/min
	LIQUID	WATER		TYPE	TEFC
	MAKER	WILO		SUPPLIER	WILO



A/B Efficiency	Capacity	Efficiency(%)
A Efficiency	190.27 l/min	65.5
B Efficiency		

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

* Subject to change without prior notice.

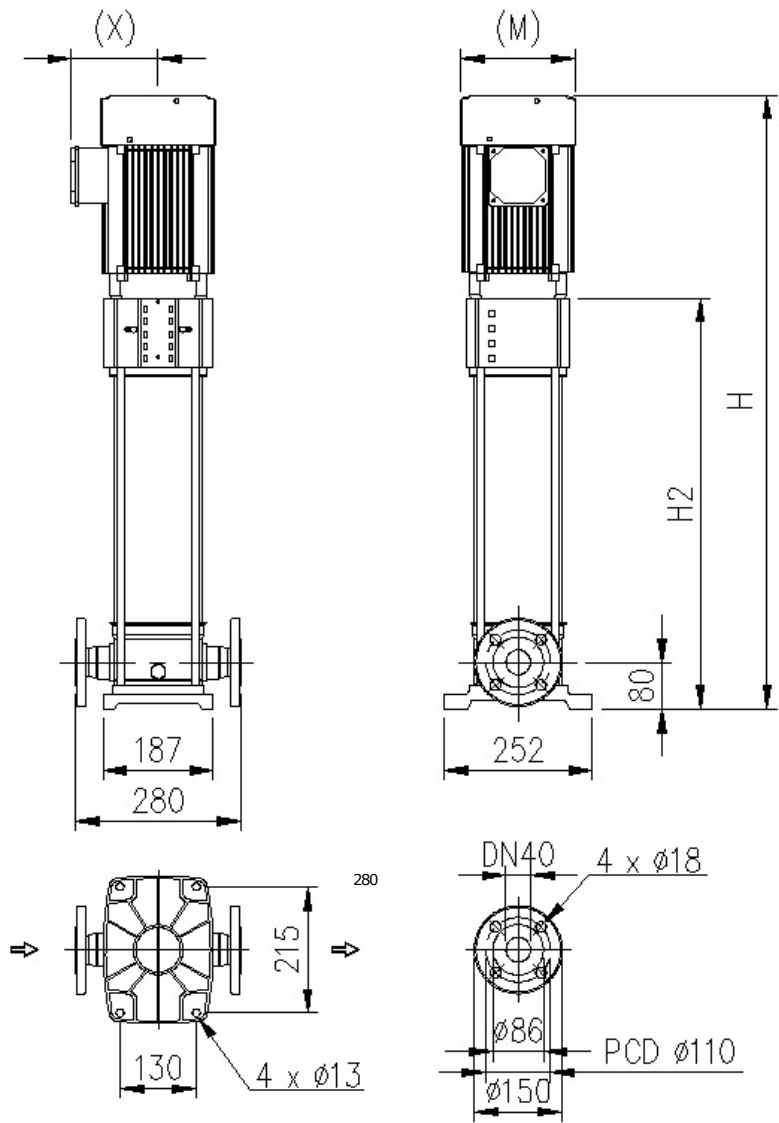
TYPE	Vertical Multi-Stage
MODEL	Helix V1011 / PN25
SERVICE	

Outline Drawing

Sheet No.	
Customer	
Item No.	
Date	2017-02-09

SPECIFICATION

PUMP	CAPACITY	0 l/min	MOTOR	OUTPUT	7.5 kW
	TOTAL HEAD	0 m		VOLTAGE	380V
	SUCTION BORE	40 mm		FREQUENCY	60 Hz
	DISCHARGE BORE	40 mm		SPEED	3550 1/min
	LIQUID	WATER		TYPE	TEFC
	MAKER	WILO		MAKER	WILO

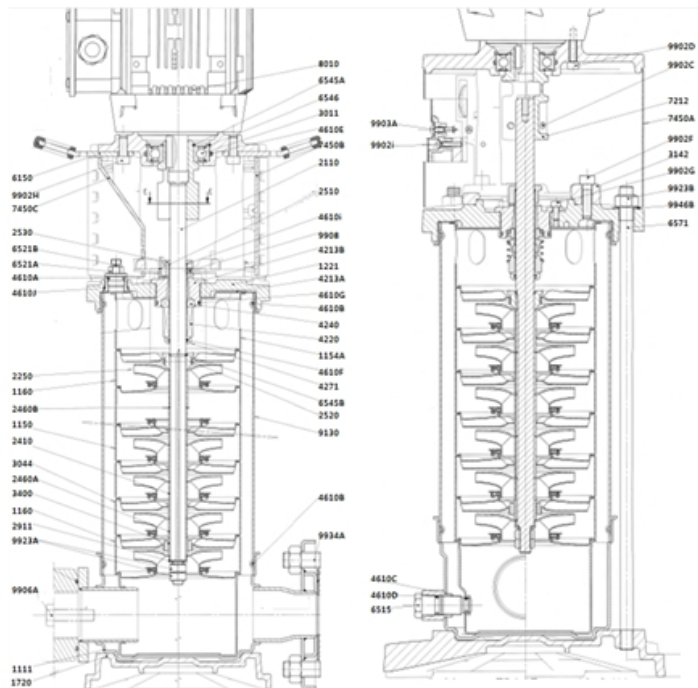


* Dimension of outline drawing subjects to change without prior notice.

H	1329	H2	932	M	253	X	194
TYPE		Vertical Multi-Stage					
MODEL		Helix V1011 / PN25					
SERVICE							

Sectional Drawing

Sheet No.	
Customer	
Item No.	
Date	2017-02-09

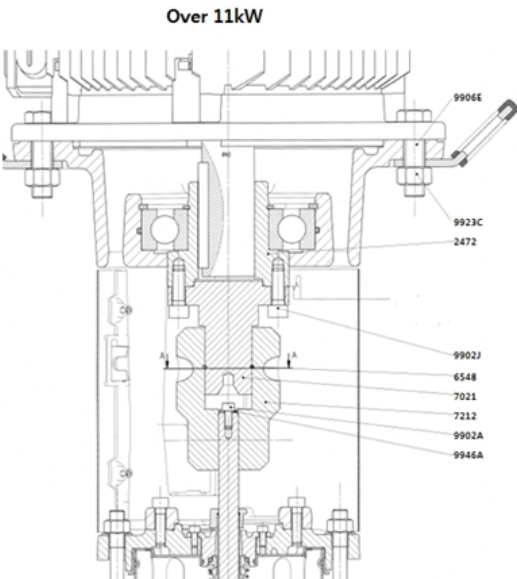
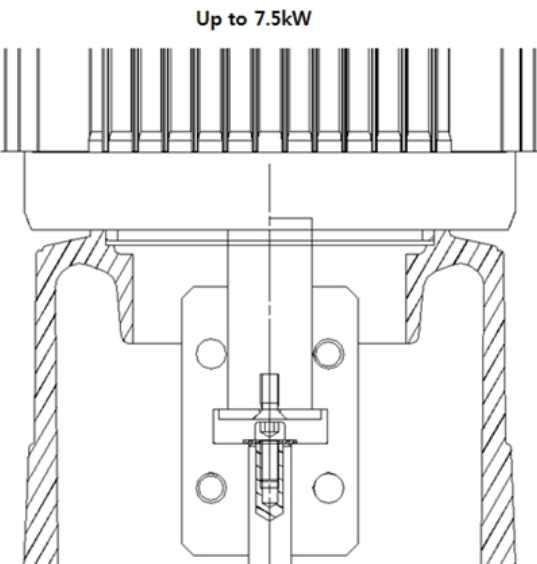


No.	Description	No.	Description
1111	Pump casing	2472	Hub
1150	Stage casing with return guide vane serial 10	654B	Stop-rush
1160	Stage casing without return guide vane serial 10	7021	Spacer
1160	Stage casing without return guide vane serial 10	7212	Coupling
1221	End shield	9902A	Shaft end upper screw
1720	Base	9902J	Screw for spacer
2110	Pump shaft aisi 316l-ø16 length = 255 mm	9906E	Screw fix. motor
2250	Impeller m+10	9946A	Washer under 9902A screw
2410	Spacer	9923C	Nut for fixing motor
2510	Setting shim shaft	4610A	O'ring for filling and venting plug
2520	Back-up ring(or Thrust ring)	4610B	O'ring
2530	Drive ring for mechanical seal	4610C	O'ring drain and priming plug
2911	Shaft end washer	4610D	O'ring drain and priming plug
3011	Lantern ball bearing	4610E	O'ring ø63,10xø3,53 for ball bearing
3044	Bearing stage casing with return guide vane serial 10	4610F	O'ring
3142	Lantern	4610G	O'ring
4271	Shaft sleeve	4610I	O'ring
6150	Platinize handling	4610J	O'ring
6515	Drain and priming plug	4610K	O'ring
6521	Filling and venting plug	6545A	Circlip shaft for ball bearing
6546	Circlip(lantern ball bearing)	6545B	Half keeper(thrust ring)
6571	Tie bolt	7450A	Sheet coupling protector
8010	Motor	7450	Coupling guard support
9130	Tube	9902C	Screw for coupling
9908	Screw	9902D	Screw fix. motor
1154A	Discharge chamber with return guide vane serial 10	9902F	Screw fix. lantern/end shield
2460A	Sleeve spacer	9902G	Screw
2460B	Flat washer	9902H	Screw fix. Platinize handling
3400	Shaft sleeve	9902I	Plastic support screw
4213A	Assembled ring cover of mechanical seal	9906A	Screw
4213B	Mechanical seal ø18 ring holder	9923A	Shaft end nut
4220	Rotating part-mechanical seal	9923B	Nut for tie bolt
4240	Stationary part-mechanical seal	9934A	Bolt
		9946B	Washer under 9923B nut

TYPE	Vertical Multi-Stage
MODEL	Helix V1011 / PN25
SERVICE	

Sectional Drawing

Sheet No.	
Customer	
Item No.	
Date	2017-02-09



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 V1011 / PN25
SERVICE	