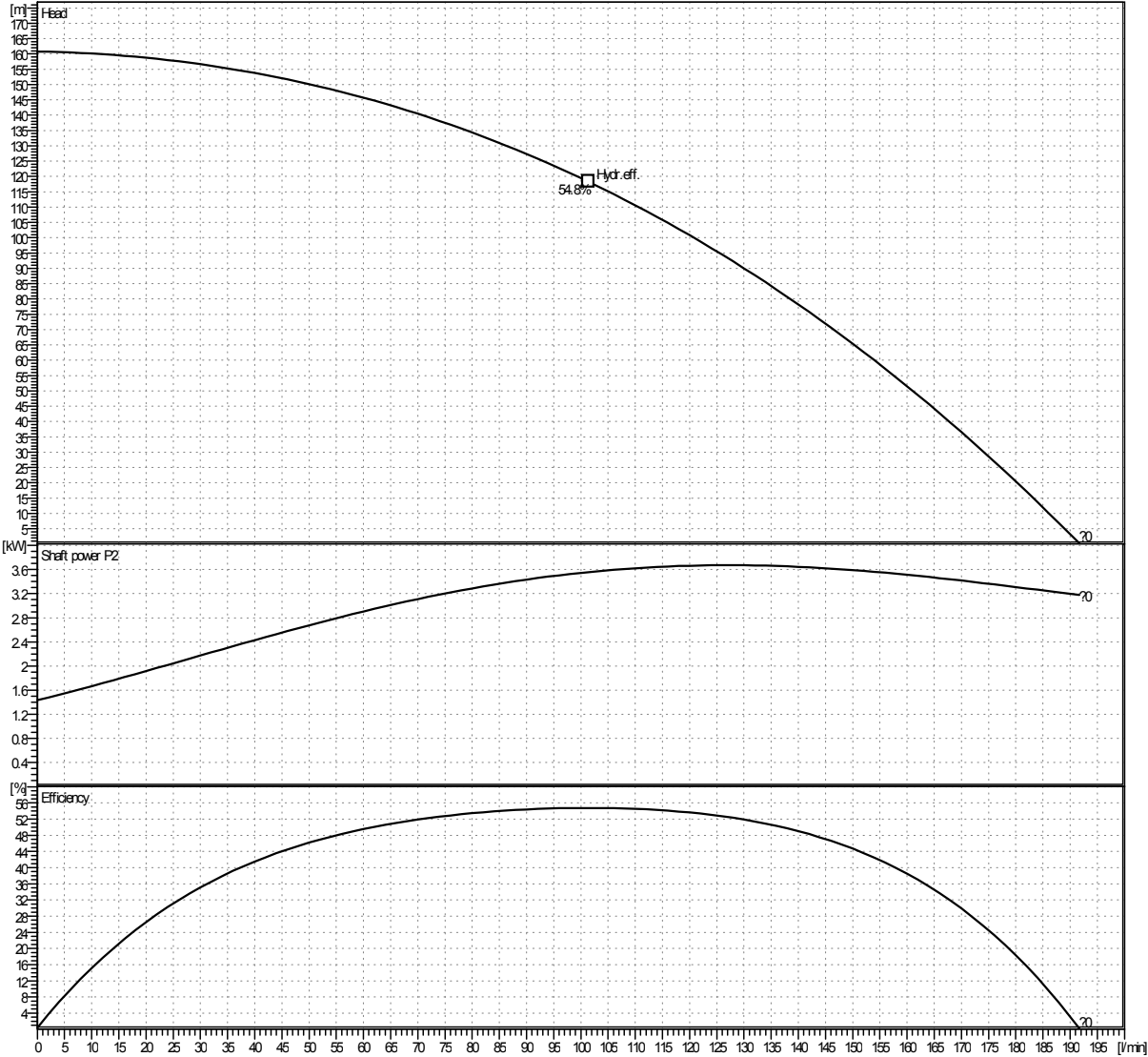


					Sheet No.		
					Customer		
					Item No.		
					Date	2017-03-03	
1	MODEL		MVI 410 / PN25		Title		
2	Location				Agent		
3	Service				Plant Name		
4	Quantity		Set(s)		Installation		☒ Indoor ☐ Outdoor
5	OPERATING CONDITION						
6	Liquid		Water		Flow		0 l/min
7	Pumping Temp.		Ambient		Suc. Pressure		
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		10		Rated Power		Casing STS304
14	Speed		3550 rpm		NPSHre		Impeller STS304
15	Rotation		CW		(view from drive end)		Shaft STS304
16	BORE		Size(Dia)		Rating		Face Position Tube STS304
17	Suction		32 mm		PN 25		RF Side Diffuser STS304
18	Discharge		32 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		3.7 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 45.3 kg
43	☐ Companion Flanges						
44	☐ Special Tool						
					Total wt.		45.3 kg
*Pump test acceptance grade in accordance with ISO 9906:2012, Grade 2B.							

Estimated Performance Curve

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

SPECIFICATION					
PUMP	CAPACITY	0 l/min	MOTOR	OUTPUT	3.7 kW
	TOTAL HEAD	0 m		VOLTAGE	380V
	SUCTION BORE	32 mm		FREQUENCY	60 Hz
	DISCHARGE BORE	32 mm		SPEED	3550 1/min
	LIQUID	WATER		TYPE	TEFC
	MAKER	WILO		SUPPLIER	WILO



A/B Efficiency	Capacity	Efficiency(%)
A Efficiency	101.45 l/min	54.8
B Efficiency		

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

* Subject to change without prior notice.

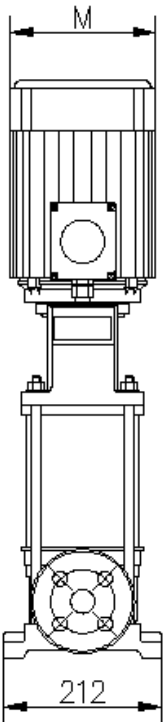
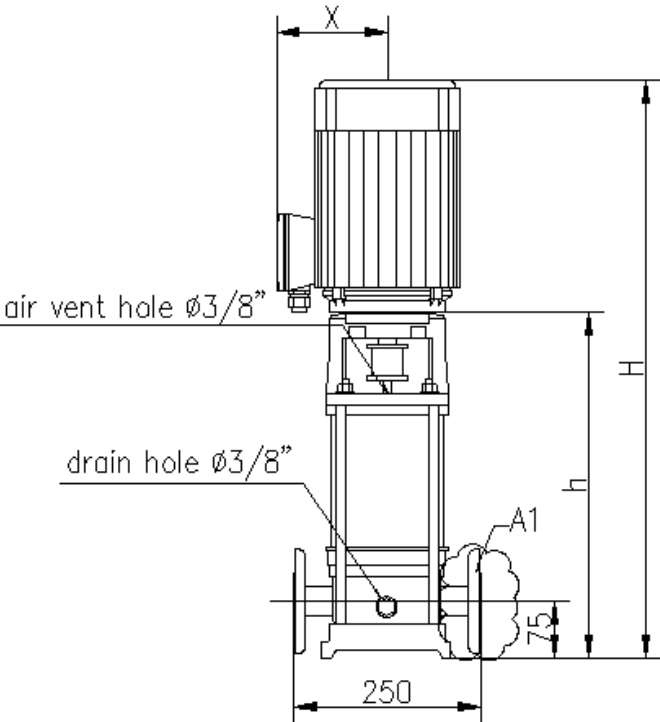
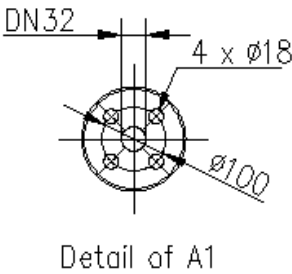
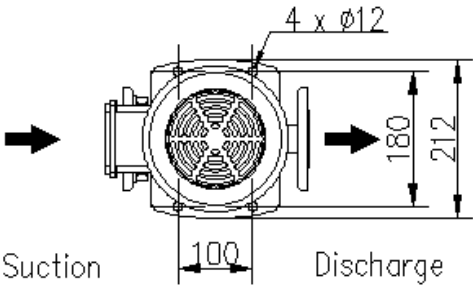
TYPE	Vertical Multi-Stage
MODEL	MVI 410 / PN25
SERVICE	

Outline Drawing

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

SPECIFICATION

PUMP	CAPACITY	0 l/min	MOTOR	OUTPUT	3.7 kW
	TOTAL HEAD	0 m		VOLTAGE	380V
	SUCTION BORE	32 mm		FREQUENCY	60 Hz
	DISCHARGE BORE	32 mm		SPEED	3550 1/min
	LIQUID	WATER		TYPE	TEFC
	MAKER	WILO		SUPPLIER	WILO

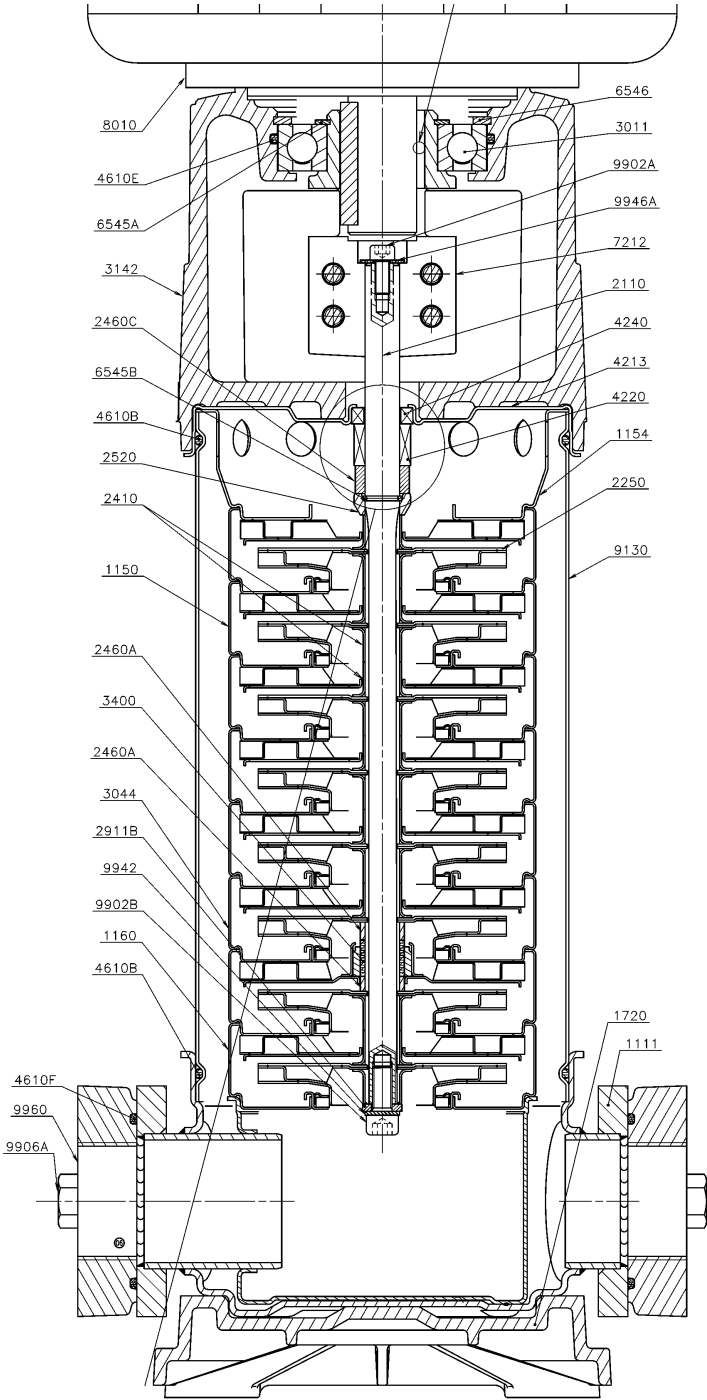


* Dimension of outline drawing subjects to change without prior notice.

h	520	H	847	M	195	X	147
TYPE		Vertical Multi-Stage					
MODEL		MVI 410 / PN25					
SERVICE							

Sectional Drawing

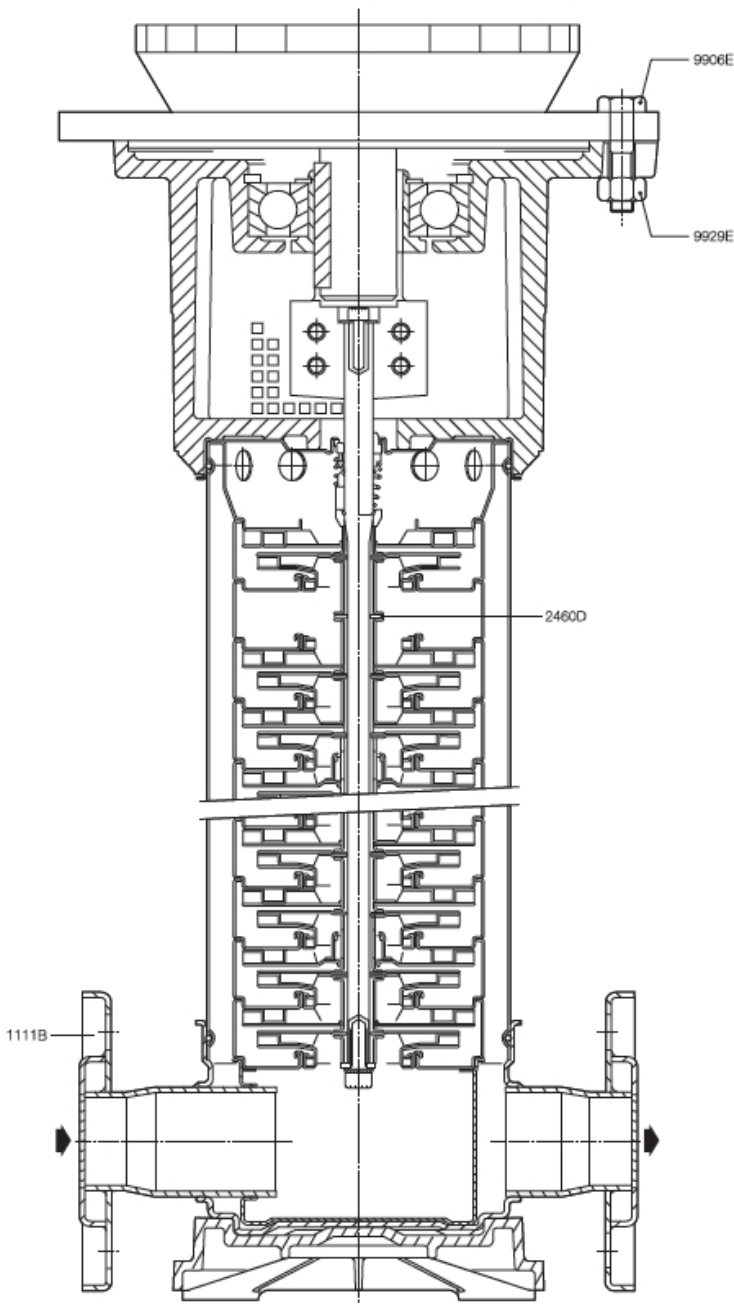
Sheet No.	
Customer	
Item No.	
Date	2017-03-03



TYPE	Vertical Multi-Stage
MODEL	MVI 410 / PN25
SERVICE	

Sectional Drawing

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



No	Description
1111	Pump Casing
1150	Stage casing with return channel
1154	Stage centering device
1160	Stage casing without return channel
1720	Pump fixing plate
2110	Pump shaft
2250	impeller
2410	impeller spacer
2460 A	Shaft sleeve adjustment spacer
2460 C	Mechanical seal keeper ring
2520	Back-up ring
2911B	Bottom shaft end washer
3011	Lantern ball bearing
3044	Stage casing with intermediate bearing
3142	Lantern
3400	Sleeve
4213	Stationary ring holder
4220	Rotating part - mechanical seal
4240	Stationary part - mechanical seal
4610 B	O-RING
4610 E	O-RING
4610 F	O-RING
6545 A	Circlip
6545 B	Half keeper
6546	Circlip
7212	Coupling
8010	Motor
9130	Tube
9902 A	Shaft end upper screw
9902 B	Shaft end lower screw
9906 A	Bolt
9942	Lock washer
9946 A	Washer
9960	Counter Flange

*PN 25Bar Round Type은 Counter Flange 공급 불가

TYPE	Vertical Multi-Stage
MODEL	MVI 410 / PN25
SERVICE	