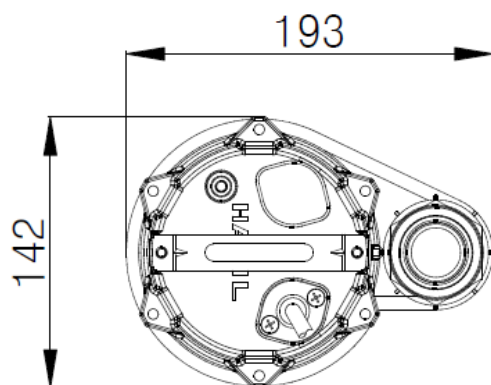


# HANIL

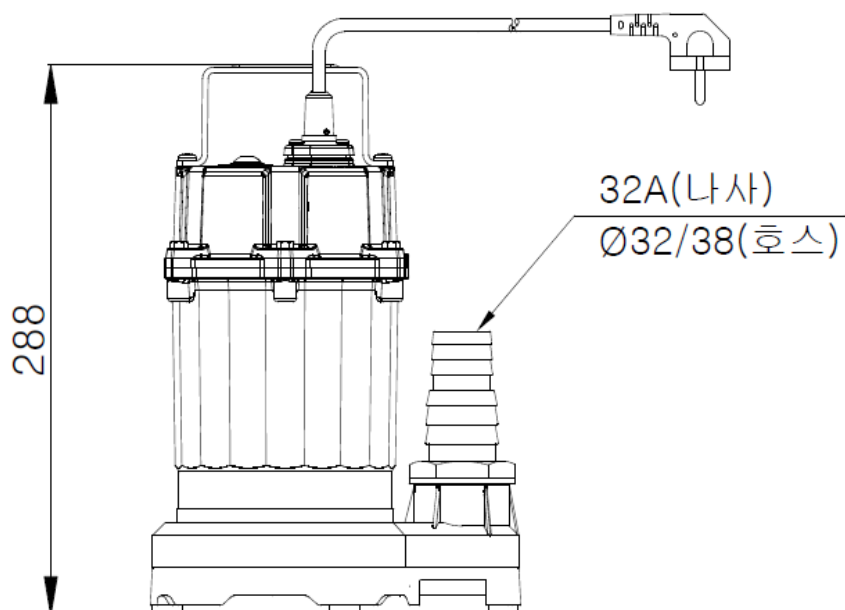
## 펌 프 외 형 도

### 펌 프 사 양

펌 프 부	정격 성능 (LPM)	145(3m)	모 터 부	정 격 출 력 (kW)	0.25
	전 양 정 (m)	9.5		정 격 전 압 (V)	220
	토 출 경 (mm)	32A, ø32,38(호스)		정 격 주 파 수 (Hz)	60
				회 전 수 (rpm)	3,400
				모 터 Type	단상 2극



(단위 : mm)



PUMP Type

볼류우트형

형 식

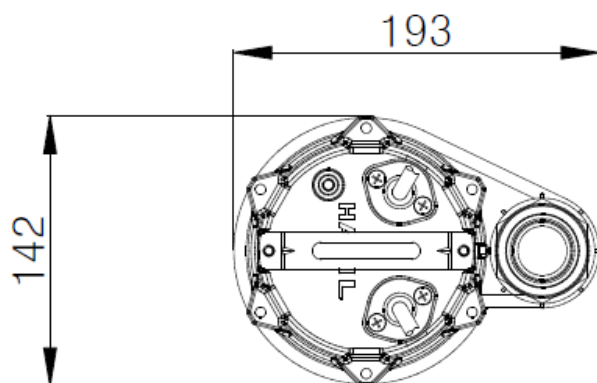
IP-317

# HANIL

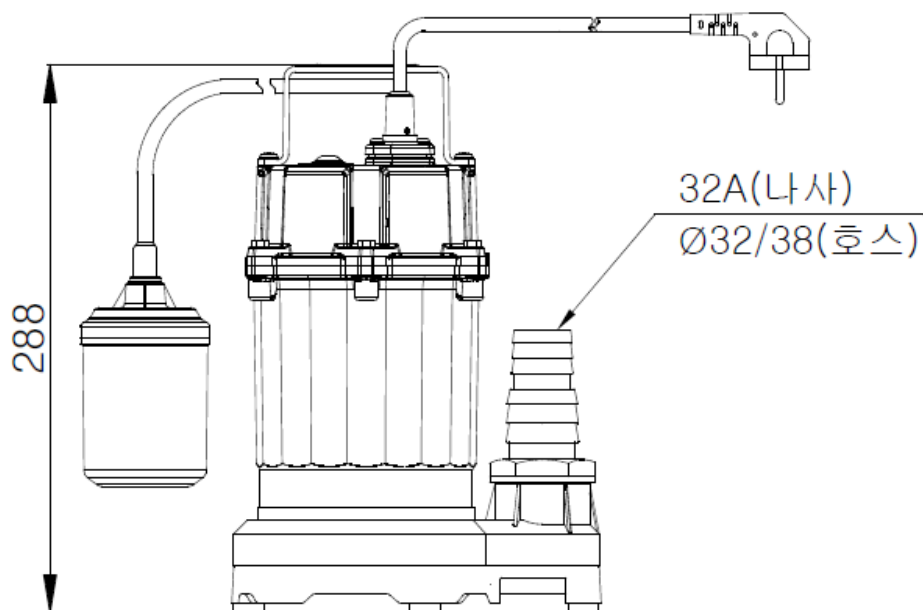
## 펌 프 외 형 도

### 펌 프 사 양

펌 프 부	정격 성능 (LPM)	145(3m)	모 터 부	정 격 출 력 (kW)	0.25
	전 양 정 (m)	9.5		정 격 전 압 (V)	220
	토 출 경 (mm)	32A, ø32,38(호스)		정 격 주 파 수 (Hz)	60
				회 전 수 (rpm)	3,400
				모 터 Type	단상 2극



(단위 : mm)



PUMP Type

볼류우트형

형 식

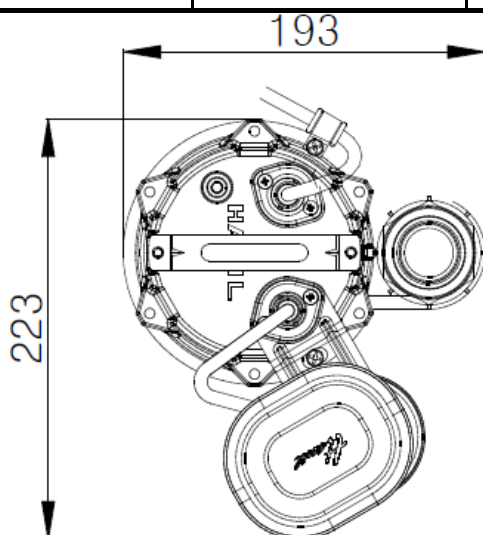
IP-317-F

# HANIL

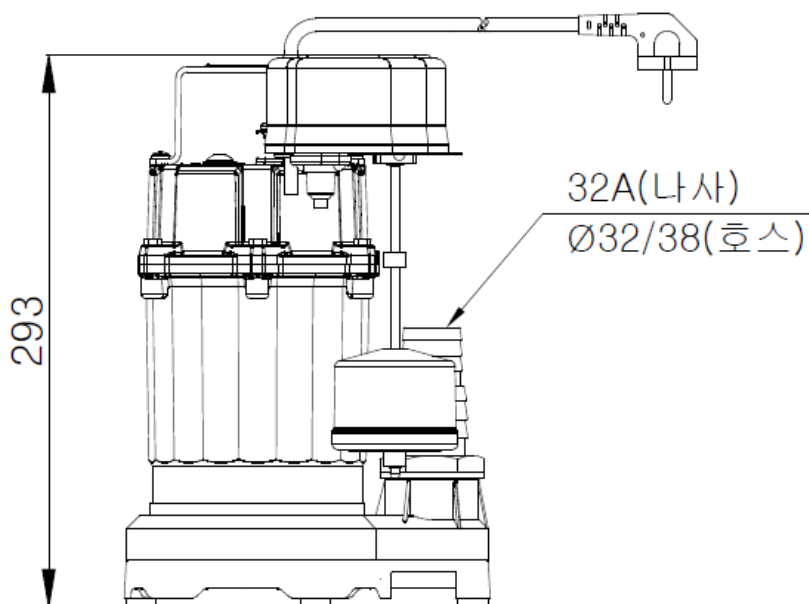
## 펌 프 외 형 도

### 펌 프 사 양

펌 프 부	정격 성능 (LPM)	145(3m)	모 터 부	정 격 출 력 (kW)	0.25
	전 양 정 (m)	9.5		정 격 전 압 (V)	220
	토 출 경 (mm)	32A, ø32,38(호스)		정 격 주 파 수 (Hz)	60
				회 전 수 (rpm)	3,400
				모 터 Type	단상 2극



(단위 : mm)



PUMP Type

볼류우트형

형 식

IP-317-NFL

# PUMP DATA SHEET

Model	IP-317(-F,-NFL)	Title			Sheet No.		
Customer				Agent No.			
Location				Date Issued			
Item No.				Plant Name			
Service				Quantity			
<b>OPERATING CONDITION</b>							
Liquid	Water	Flow	145 L/min at Ht=3m				
Pumping Temp	0°C ~ 40°C	Suct. Head	0m				
Specific Gravity	1	Disch. Head	9.5m				
Vapor Pressure	kg/cm <sup>2</sup> A	Total Head	9.5m				
Viscosity	5 cP						
<b>PERFORMANCE AND CONSTRUCTIONS</b>						<b>MATERIALS</b>	
<input type="checkbox"/> Horizontal <input checked="" type="checkbox"/> Vertical	Efficiency				(Parts' Name)	Symbol <sup>Ⓔ</sup>	
Number of Stages	1 Stage	Rated Power	250W			Impeller	NYLON
Speed	3,400	NPSHre	mAq			Shaft	STS316
Rotation	<input checked="" type="checkbox"/> CW, <input type="checkbox"/> CCW (viewed from pump head)			Casing		PA66+GF25	
Flange	Size(Dia)	Rating	Face	Position	Frame	ALDC	
Suction	-	-	<input type="checkbox"/> FF, <input type="checkbox"/> RF	<input type="checkbox"/> TOP <input type="checkbox"/> Side	Head	PA66+GF25	
Discharge	32A, 38A	-	<input type="checkbox"/> FF, <input type="checkbox"/> RF	<input type="checkbox"/> TOP <input checked="" type="checkbox"/> Side			
Impeller Type	Semi-Open	<input checked="" type="checkbox"/> Single Suct <input type="checkbox"/> Double Suct	<b>HYDROSTATIC</b>				
Flow Direction	<input checked="" type="checkbox"/> Radial <input type="checkbox"/> Mixed <input type="checkbox"/> Axial			Casing	kg/cm <sup>2</sup>	Min	
Shaft Seal	<input type="checkbox"/> G/Packing <input checked="" type="checkbox"/> M/Seal			Frame	kg/cm <sup>2</sup>	Min	
Shaft Sleeve	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No						
Discharge Type	<input checked="" type="checkbox"/> Hose Connection <input type="checkbox"/> Flange Connection			<b>TESTING</b>			
Struction of Inlet	<input type="checkbox"/> Stand <input checked="" type="checkbox"/> Strainer			(Items)	(self test)	(Witness)	
Struction of outlet	<input type="checkbox"/> Elbow <input checked="" type="checkbox"/> Hose Coupling <input type="checkbox"/> Flange Coupling			Run Perform	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Bearing(Upper)	6000 zz	Bearing(Lower)	6000 zz	Hydrostatic	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
<b>PUMP DRIVER</b>						<b>SPARE PARTS</b>	
Motor	V/Phase/Hz	220	1	60	Impeller		
Maker	HANIL				Shaft		
Type	INDUCTION MOTOR				Shaft Sleeve		
Power	250W				Casing		
Pole&Speed	2P 3400rpm	Insulation Class	<input checked="" type="checkbox"/> E <input type="checkbox"/> B		Bearing		
Mechanical Seal	Maker	EAGLE	Model & Size	φ10	M/Seal		
	Type	EA560-010	Cooler	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Name Plate		
<b>ACCESSORIES</b>							
<input type="checkbox"/> Companion Flange							
<input type="checkbox"/> Guide Pipe						<b>WEIGHT</b>	
<input type="checkbox"/> Special Tools						Pump	5.1 Kg
<input type="checkbox"/> Spare Parts						Adapter	Kg
<input checked="" type="checkbox"/> Hose Coupling						Total Wt	5.1 Kg

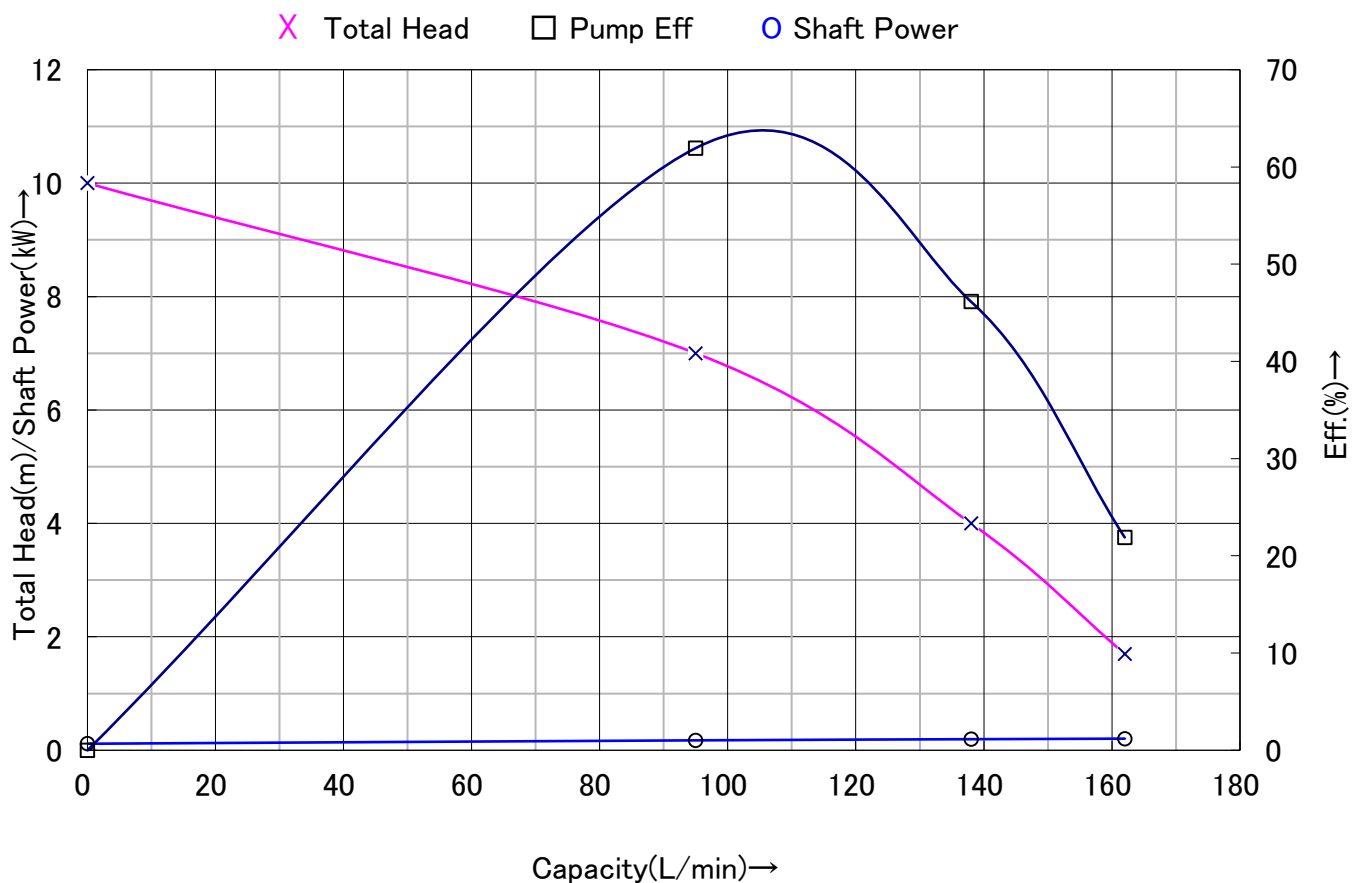
※ SPECIFICATION FOR PUMP & MOTOR

PUMP SPECIFICATION			MOTOR SPECIFICATION		
Capacity(L/min)	145(3m)	Phase(φ)	1	Out Put(kW)	0.25
Total Head(m)	9.5	Pole(p)	2	Freq(Hz)	60
disch(mm)	32A	Volt(V)	220	Maker	HANIL
Model	IP - 317(-F,-NFL)	Customer			

※ PERFORMANCE DATA (Test by Ks B 6301)

Capacity(L/min)	Total Head(m)	Shaft Power(kW)	Water Power(kW)	Pump Eff(%)	In put(kW)	Vol tage(V)	Current(A)
0	10	0.12	0.000	0.00	0.23	220	1.07
95	7	0.18	0.108	61.94	0.35	220	1.62
138	4	0.20	0.090	46.14	0.39	220	1.79
162	1.7	0.21	0.045	21.90	0.41	220	1.85

※ PERFORMANCE CURVE



**한 일 전 기 주 식 회 사**  
**신한일전기주식회사**