



### Model

HCP - □ - □ / □ - □

- Terminal Block
- L: 90° Direction
- R: 180° Direction
- Impeller Stage □
- Casing Stage □
- Pump Type □ : 750EMS
- : 1100EMS

### Structure

- 동일한 펌프 취부자리로 교체가 용이함
- 사용 TANK 깊이에 따라 다양한 침수 깊이로 제작이 가능함
- 다단펌프로 광범위한 성능 구현이 가능
- Easy to replace it with identical pump attachment area.
- Depending on tank depth, it can be manufactured with various immersion depth.
- A multi-stage pump capable of a wide range of performances.

### Feature

1. 주요 구동부가 Stainless로 제작되어 내구성 및 내식성이 우수함
  2. 소형으로 설치공간의 제약이 있는 경우 사용
  3. 압력형과 유량형 펌프로 구분되며 다양한 성능 범위를 갖고 있음
1. The main drive parts are made with stainless materials, which increase durability and corrosion resistance.
  2. It is compact, and can be used when there are limitations on instillation space.
  3. It is separated into a pressure type and a oil quantity type, and has a wide range of performances.

### Pump Spec.

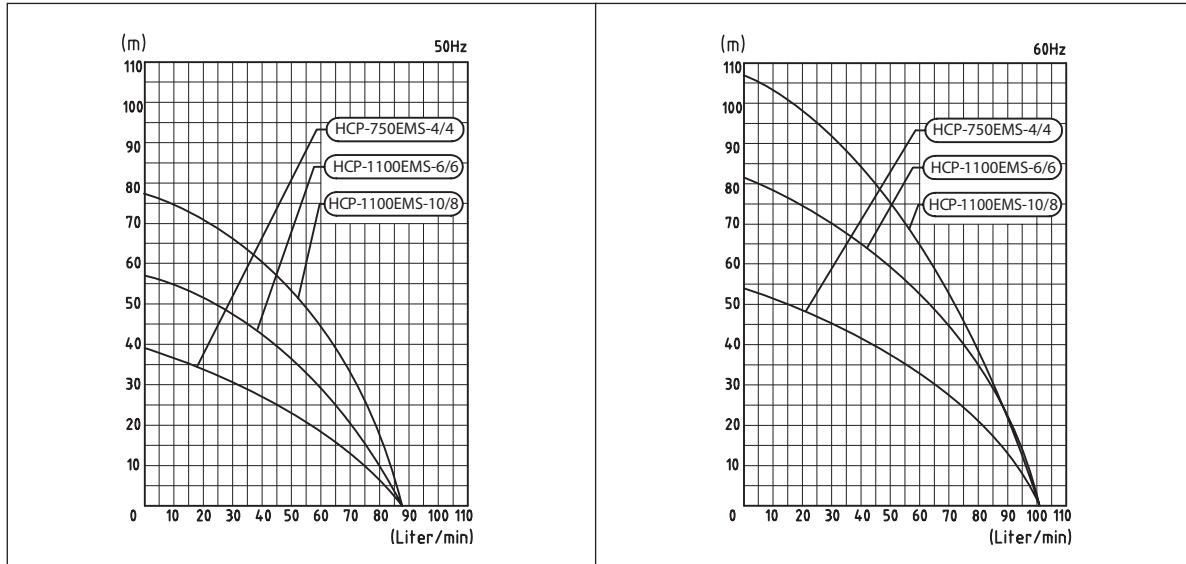
Specification Type	MOTOR						PUMP		
	OUTPUT (W)	FREQUENCY (Hz)	VOLTAGE (V)	CURRENT (A)	PHASE	POLES	TOTALHEAD (m)	DIS. VOL (l/min)	PIPE SIZE (PT)
HCP-550EMS-4/3	550	50	220 380	2.5 1.5	3	2	23	30	3/4"
		60	220 380	2.2 1.3			35		
HCP-750EMS-4/4	750	50	220 380	3.2 2.0	3	2	30	35	3/4"
		60	220 380	3.4 2.2			45		
HCP-1100EMS-6/6	1100	50	220 380	4.2 2.5	3	2	45	30	3/4"
		60	220 380	4.6 3.0			70		
HCP-1100EMS-10/8	1100	50	220 380	5.4 3.0	3	2	75	20	3/4"
		60	220 380	6.1 5.5			100		

### Packing Spec.

MODEL NAME	PACKING SIZE(cm)	WEIGHT(kg)	
		PUMP	PACKING
HCP-550EMS-4/3	51(W) x 28(L) x 26(D)	11.5	12.3
HCP-750EMS-4/4	51(W) x 28(L) x 26(D)	12	12.8
HCP-1100EMS-6/6	51(W) x 28(L) x 26(D)	15.6	16.4
HCP-1100EMS-10/8	58(W) x 28(L) x 26(D)	17.5	18.5

Performance Curve

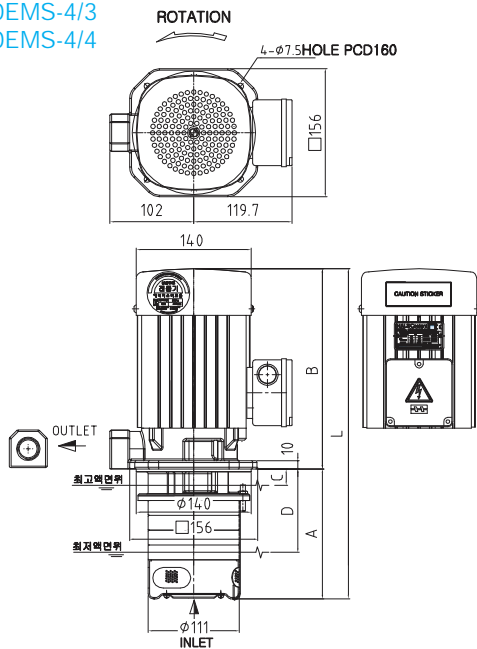
Oil for testing: ISO-VG2, Temperature 20°C



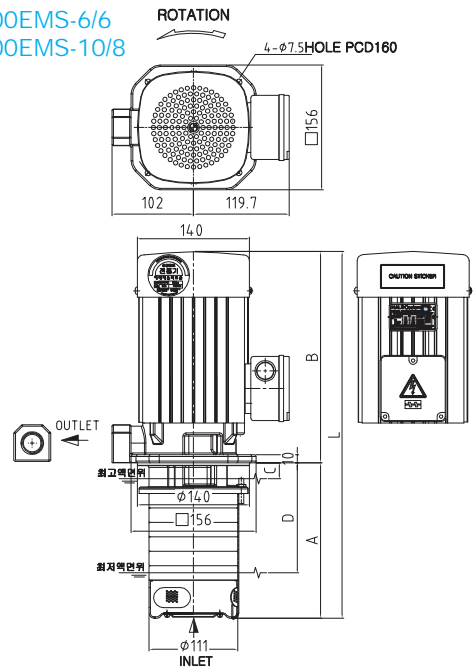
- 비수용성 절삭유 사용시 32cSt 이하의 점도를 사용하여야 하며, 수용성 절삭유에 비하여 펌프성능(압력·유량)이 저하됨.
- When using non water-soluble cutting fluid, Viscosity must be under 32cSt, Pump performance (pressure and quantity) will decrease compared to water-soluble cutting fluid.

External Figure

HCP-550EMS-4/3  
HCP-750EMS-4/4



HCP-1100EMS-6/6  
HCP-1100EMS-10/8



Dimension

Type	Item	A	B	C	D	L
HCP-550EMS-4/3		160	244	20	102	404
HCP-750EMS-4/4		160	244	20	102	404
HCP-1100EMS-6/6		196	264	20	138	460
HCP-1100EMS-10/8		267	264	20	210	531

Technical Data

Model	No. of Casing	No. of Impeller	FREQUENCY (Hz)	VOLTAGE (V)	CURRENT(A)		TOTAL HEAD(M)		DIS.VOL (ℓ/min)	Immersion Depth (mm)	Total Height (mm)	Remarks
					50Hz	60Hz	50Hz	60Hz				
					220V/380V	220V/380V						
HCP-550EMS-	3	1	50Hz/60Hz	220V/380V	2.5/1.5	2.2/1.3	8	12	30	142	386	
	3	2	50Hz/60Hz	220V/380V	2.5/1.5	2.2/1.3	16	23	30	142	386	
	3	3	50Hz/60Hz	220V/380V	2.5/1.5	2.2/1.3	23	35	30	142	386	
	4	1	50Hz/60Hz	220V/380V	2.5/1.5	2.2/1.3	8	12	30	160	404	
	4	2	50Hz/60Hz	220V/380V	2.5/1.5	2.2/1.3	16	23	30	160	404	
	4	3	50Hz/60Hz	220V/380V	2.5/1.5	2.2/1.3	23	35	30	160	404	
	5	1	50Hz/60Hz	220V/380V	2.5/1.5	2.2/1.3	8	12	30	178	422	
	5	2	50Hz/60Hz	220V/380V	2.5/1.5	2.2/1.3	16	23	30	178	422	
	5	3	50Hz/60Hz	220V/380V	2.5/1.5	2.2/1.3	23	35	30	178	422	
	6	1	50Hz/60Hz	220V/380V	2.5/1.5	2.2/1.3	8	12	30	196	440	
	6	2	50Hz/60Hz	220V/380V	2.5/1.5	2.2/1.3	16	23	30	196	440	
	6	3	50Hz/60Hz	220V/380V	2.5/1.5	2.2/1.3	23	35	30	196	440	
	7	1	50Hz/60Hz	220V/380V	2.5/1.5	2.2/1.3	8	12	30	214	458	
	7	2	50Hz/60Hz	220V/380V	2.5/1.5	2.2/1.3	16	23	30	214	458	
	7	3	50Hz/60Hz	220V/380V	2.5/1.5	2.2/1.3	23	35	30	214	458	
	8	1	50Hz/60Hz	220V/380V	2.5/1.5	2.2/1.3	8	12	30	232	476	
	8	2	50Hz/60Hz	220V/380V	2.5/1.5	2.2/1.3	16	23	30	232	476	
	8	3	50Hz/60Hz	220V/380V	2.5/1.5	2.2/1.3	23	35	30	232	476	
	9	1	50Hz/60Hz	220V/380V	2.5/1.5	2.2/1.3	8	12	30	250	494	
	9	2	50Hz/60Hz	220V/380V	2.5/1.5	2.2/1.3	16	23	30	250	494	
	9	3	50Hz/60Hz	220V/380V	2.5/1.5	2.2/1.3	23	35	30	250	494	
10	1	50Hz/60Hz	220V/380V	2.5/1.5	2.2/1.3	8	12	30	268	512		
10	2	50Hz/60Hz	220V/380V	2.5/1.5	2.2/1.3	16	23	30	268	512		
10	3	50Hz/60Hz	220V/380V	2.5/1.5	2.2/1.3	23	35	30	268	512		
11	1	50Hz/60Hz	220V/380V	2.5/1.5	2.2/1.3	8	12	30	286	530		
11	2	50Hz/60Hz	220V/380V	2.5/1.5	2.2/1.3	16	23	30	286	530		
11	3	50Hz/60Hz	220V/380V	2.5/1.5	2.2/1.3	23	35	30	286	530		
HCP-750EMS-	4	4	50Hz/60Hz	220V/380V	3.2/2.0	3.4/2.2	30	45	30	160	404	
	5	4	50Hz/60Hz	220V/380V	3.2/2.0	3.4/2.2	30	45	30	178	422	
	5	5	50Hz/60Hz	220V/380V	3.6/2.5	4.0/3.0	37	55	30	178	422	
	6	4	50Hz/60Hz	220V/380V	3.2/2.0	3.4/2.2	30	45	30	196	440	
	6	5	50Hz/60Hz	220V/380V	3.6/2.5	4.0/3.0	37	55	30	196	440	
	7	4	50Hz/60Hz	220V/380V	3.2/2.0	3.4/2.2	30	45	30	214	458	
	7	5	50Hz/60Hz	220V/380V	3.6/2.5	4.0/3.0	37	55	30	214	458	
	8	4	50Hz/60Hz	220V/380V	3.2/2.0	3.4/2.2	30	45	30	232	476	
	8	5	50Hz/60Hz	220V/380V	3.6/2.5	4.0/3.0	37	55	30	232	476	
	9	4	50Hz/60Hz	220V/380V	3.2/2.0	3.4/2.2	30	45	30	250	494	
	9	5	50Hz/60Hz	220V/380V	3.6/2.5	4.0/3.0	37	55	30	250	494	
	10	4	50Hz/60Hz	220V/380V	3.2/2.0	3.4/2.2	30	45	30	268	512	
10	5	50Hz/60Hz	220V/380V	3.6/2.5	4.0/3.0	37	55	30	268	512		
11	4	50Hz/60Hz	220V/380V	3.2/2.0	3.4/2.2	30	45	30	286	530		
11	5	50Hz/60Hz	220V/380V	3.6/2.5	4.0/3.0	37	55	30	286	530		
HCP-1100EMS-	6	6	50Hz/60Hz	220V/380V	4.2/2.5	4.6/3.0	50	70	30	196	460	
	7	6	50Hz/60Hz	220V/380V	4.2/2.5	4.6/3.0	50	70	30	214	478	
	7	7	50Hz/60Hz	220V/380V	4.5/3.0	5.0/3.5	53	77	30	214	478	
	8	6	50Hz/60Hz	220V/380V	4.2/2.5	4.6/3.0	50	70	30	232	496	
	8	7	50Hz/60Hz	220V/380V	4.5/3.0	5.0/3.5	53	77	30	232	496	
	8	8	50Hz/60Hz	220V/380V	4.7/3.2	6.0/4.0	75	100	20	232	496	
	9	6	50Hz/60Hz	220V/380V	4.2/2.5	4.6/3.0	50	70	30	250	513	
	9	7	50Hz/60Hz	220V/380V	4.5/3.0	5.0/3.5	53	77	30	250	513	
	9	8	50Hz/60Hz	220V/380V	4.7/3.2	6.0/4.0	75	100	20	250	513	
	10	6	50Hz/60Hz	220V/380V	4.2/2.5	4.6/3.0	50	70	30	268	531	
	10	7	50Hz/60Hz	220V/380V	4.5/3.0	5.0/3.5	53	77	30	268	531	
	10	8	50Hz/60Hz	220V/380V	4.7/3.2	6.0/4.0	75	100	20	268	531	
11	6	50Hz/60Hz	220V/380V	4.2/2.5	4.6/3.0	50	70	30	286	550		
11	7	50Hz/60Hz	220V/380V	4.5/3.0	5.0/3.5	53	77	30	286	550		
11	8	50Hz/60Hz	220V/380V	4.7/3.2	6.0/4.0	75	100	20	286	550		

● MOTOR 출력은 550W, 750W, 1100W 세가지 종류이며 IE-3등급 모터임. Three types of motors of Class IE-3 are used (550W, 750W, 1100W)  
 ● Pipe Size는 PT 3/4" 로 공통임. Pipe Size is common as PT 3/4"