

HCP

EHMF-S Series Hansung
Automatic Lubrication
System



HCP EHMF-S Series Hansung Automatic Lubrication System Owner's Manual

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HCP EHMF-S Series Hansung Automatic Lubrication System



Specifications

- **Pump Spec.**
 - **Voltage:** 200V, 220V, 380V
 - **Pump Type:** HCP series
 - **Output (W):** Various outputs ranging from 900W to 2500W
- **Packing Spec.**
 - **Model Name:** Various models with different specifications
 - **Packing Size (cm):** Varies for each model

Feature

HCP-DHMF(S)

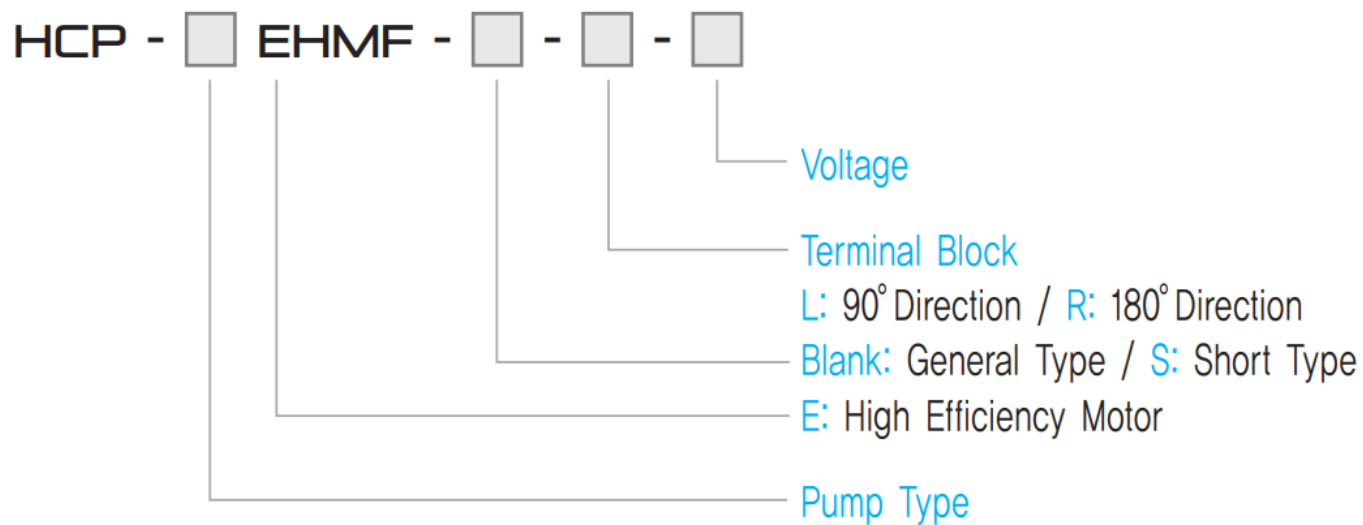
- Identical pump spray areas make exchanges easy.
- Probnge idling is prohibited due to the installed mechanical seal (Idling for more than 10 seconds is prohibited)
- It is produced with a single-unit shaft, which increases durability and makes management easy.

HCP-DEHMF(S)

- High efficiency motor is installed in HCP-HMF(S) Type.

- Excellent electricity savings and high economic return on investment through optimized efficiency.
- Increase in life-time use through slow temperature increase and use of highly energy-efficient energy materials.
- Acquired high efficiency energy equipment mark.

Model



Pump Spec.

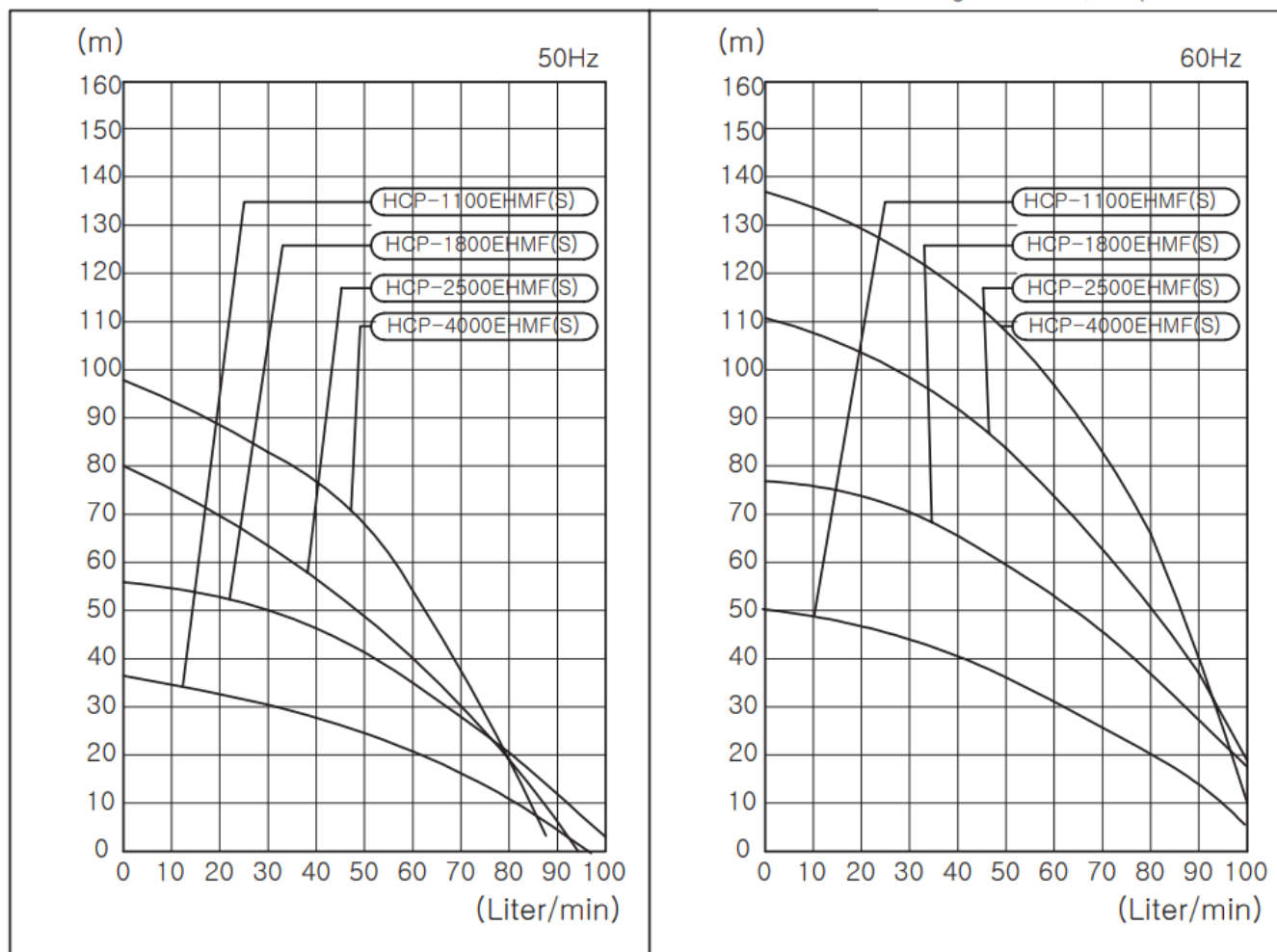
Specification Type	MOTOR						PUMP		
	OUTPUT(W)	FREQUENCY(Hz)	VOLTAGE(V)	CURRENT(A)	PHASE	POLES	TOTAL HEAD(m)	DIS. VOL(I / min)	PIPE SIZE(PT)
HCP-1100EHMF(S)	1100	50	220 380	4.3 2.5	3	2	30	30	3/4"
		60	200/220 380	5.1 3.0			45		
HCP-1800EHMF(S)	1800	50	200 380	6.5 3.8	3	2	50	30	3/4"
		60	200/220 380	7.0 4.1			70		
HCP-2500EHMF(S)	2500	50	200 380	8.7 5.2	3	2	70	30	3/4"
		60	200/220 380	9.7 5.6			100		
HCHPC-P37- 0400(0E0)EHHMMF(FS(S))	4000	50	200 380	16.0 8.5	3	2	90	20	3/4"
		60	200/220 380	18.0 10.7			130		

Packing spec.

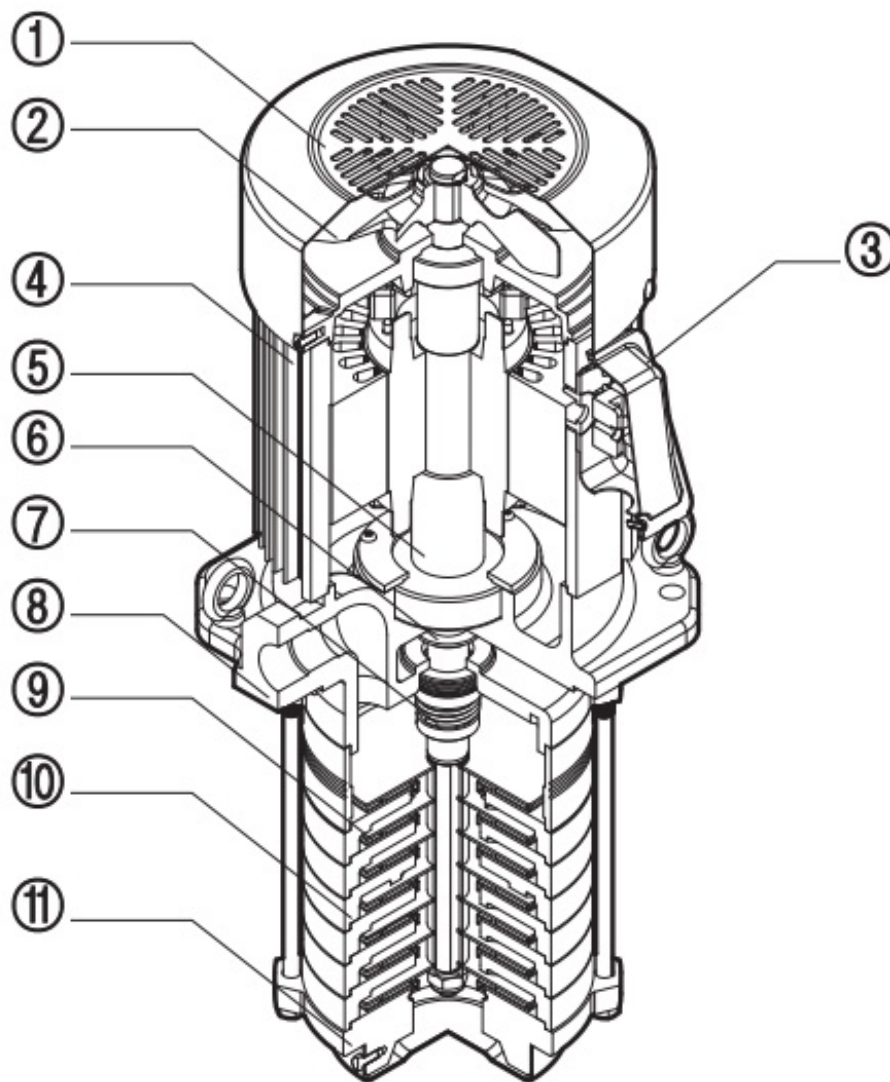
MODEL NAME	PACKING SIZE(cm)	WEIGHT(kg)	
		PUMP	PACKING
HCP- 1100EHMF	50(W) x 30(L) x 27(D)	26	27
HCP- 1100EHMFS		25	27
HCP- 1800EHMFS		28	29
HCP- 1800EHMF	63(W) x 29(L) x 30(D)	29	30
HCP- 2500EHMF		39	40
HCP- 2500EHMFS		38	39
HCP- 4000EHMF		45	46
HCP- 4000EHMFS		44	45

Performance Curve

Oil for testing: ISO-VG32, Temperature 20°C



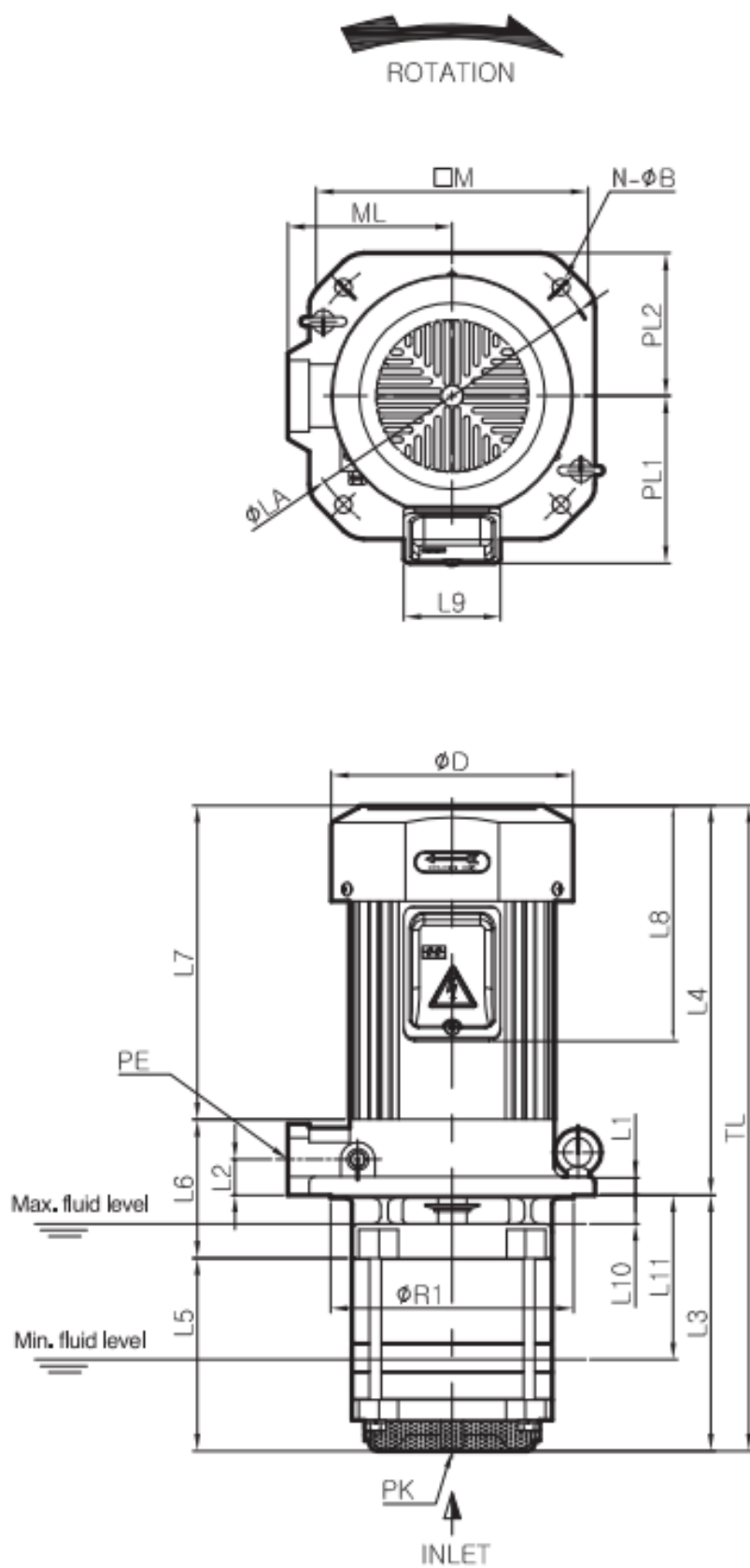
When using non water-soluble cutting fluid, Viscosity must be under 32cSt, Pump performance (pressure and quantity) will decrease compared to water-soluble cutting fluid.



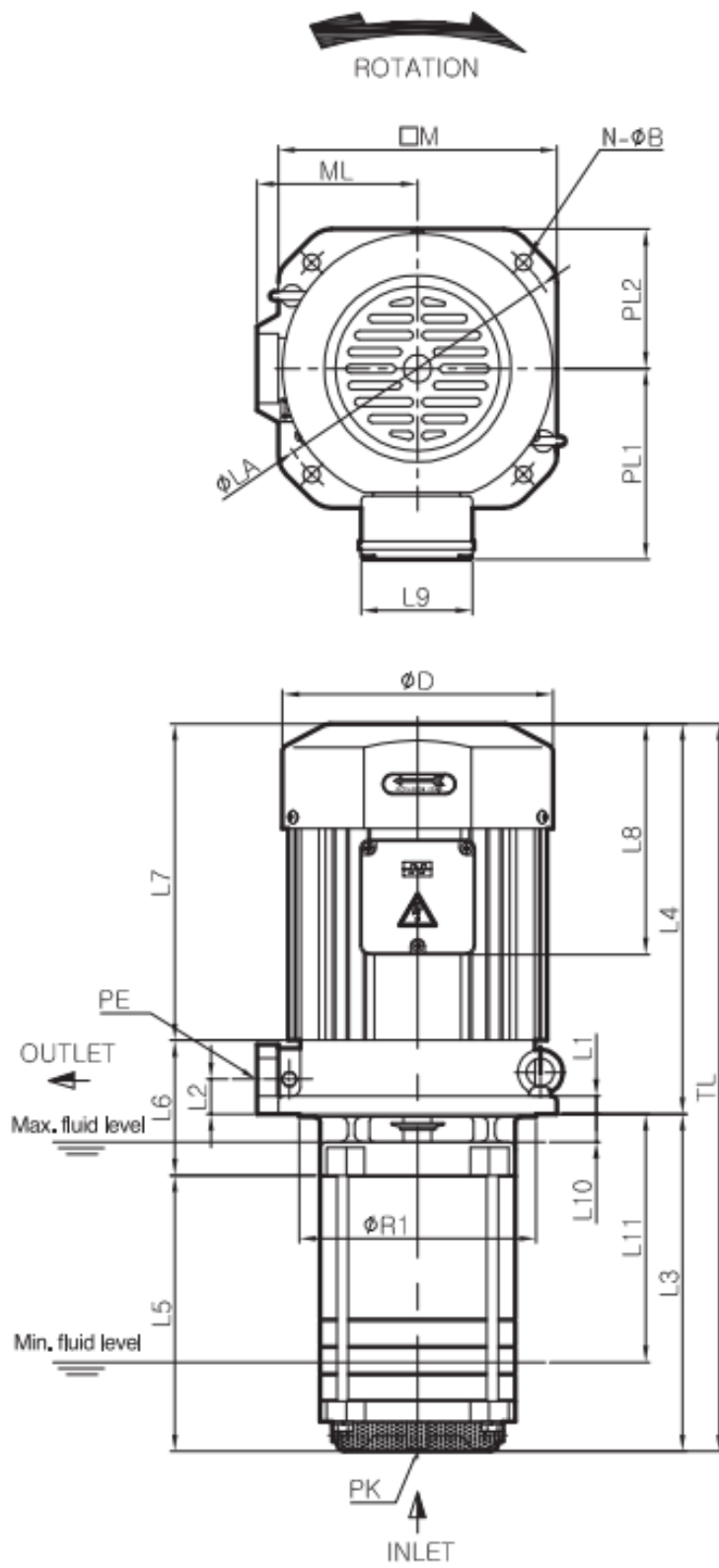
No	PART NAME	No	PART NAME	No	PART NAME
1	FAN COVER	5	SHAFT	9	IMPELLER
2	FAN	6	STOPPER	10	IMPELLER CASING
3	TERMINAL BLOCK	7	IMPELLER SEAL	11	INLET COVER
4	MOTOR	8	BODY	—	—

External Figure

HCP-1100EHMF(S)~HCP-2500EHMF(S)



HCP-4000EHMF(S)



Dimension

Type Item	ø D	L 1	L 2	L3	L4	L 5	L 6	L 7	L 8	L9	L 1 0	L 1 1	PE (P T)	T L	R 1	L A	N- ø B	PL 1	P L 2	M	M L	PK (P F)
HCP-110 0EHMF	16 9	1 3	2 5	17 9	27 2. 5	1 3 6	9 7	2 1 9. 5	1 6 4	68	2 0	1 1 5	3/4 "	45 1	17 0	2 1 5	4- 12	11 9	1 0 0	20 0	11 5	1 1/2"
HCP-110 0EHMFS	16 2. 5	1 3	2 5	15 4	27 2. 5	1 1 1	9 7	2 1 9. 5	1 6 4	68	2 0	9 0	3/4 "	42 6	17 0	2 1 5	4- 12	11 9	1 0 0	20 0	11 5	1 1/2"
HCP-180 0EHMF	86	1 3	2 5	24 3	28 0	1 9 9	9 7	2 2 7	1 6 4	83	2 0	1 7 8	3/4 "	52 3	17 0	2 1 5	4- 12	13 7	1 0 0	20 0	11 5	1 1/2"
HCP-180 0EHMFS	18 6	1 3	2 5	19 5	28 0	1 5 1	9 7	2 2 7	1 6 4	83	2 0	1 3 0	3/4 "	47 5	17 0	2 1 5	4- 12	13 7	1 0 0	20 0	11 5	1 1/2"
HCP-250 0EHMF	18 6	1 3	2 5	29 0	30 6	2 4 6	9 7	2 5 3	1 6 4	83	2 0	2 2 4	3/4 "	59 6	17 0	2 1 5	4- 12	13 7	1 0 0	20 0	11 5	1 1/2"
HCP-250 0EHMFS	18 6	1 3	2 5	25 0	30 6	2 0 6	9 7	2 5 3	1 6 4	83	2 0	1 8 4	3/4 "	55 6	17 0	2 1 5	4- 12	13 7	1 0 0	20 0	11 5	1 1/2"
HCP-400 0EHMF	18 6	1 3	2 5	35 9	32 6	3 1 6	9 7	2 7 3	1 7 0	95	2 0	3 0 2	3/4 "	68 7	17 0	2 1 5	4- 12	15 4	1 0 0	20 0	11 5	1 1/2"
HCP-400 0EHMFS	18 6	1 3	2 5	31 2	32 6	2 6 9	9 7	2 7 3	1 7 0	95	2 0	2 5 5	3/4 "	63 8	17 0	2 1 5	4- 12	15 4	1 0 0	20 0	11 5	1 1/2"

Installation

1. Ensure the power supply matches the voltage requirements of the pump.
2. Place the pump in a suitable location with proper ventilation.
3. Connect the pump to the coolant system using appropriate pipe sizes and fittings.

Operation

1. Turn on the power supply to the pump.
2. Monitor the pump performance and coolant flow rate.
3. Maintain proper coolant levels in the system to ensure efficient operation.

Maintenance

1. Regularly check for any leaks or unusual noises coming from the pump.
2. Clean the pump and surrounding area to prevent debris from affecting performance.

3. Follow the recommended maintenance schedule outlined in the user manual.

FAQs

Q: What should I do if the pump is making unusual noises?

A: If you hear unusual noises coming from the pump, immediately turn it off and inspect for any blockages or mechanical issues. Contact customer support if problems persist.

Q: How often should I replace the coolant in the system?

A: The coolant should be replaced according to the manufacturer's recommendations or if you notice a decrease in cooling performance. Regular maintenance is key to optimal pump operation.

Documents / Resources



[HCP EHM-F-S Series Hansung Automatic Lubrication System](#) [pdf] Owner's Manual
EHMF-S Series, EHMF-S Series Hansung Automatic Lubrication System, Hansung Automatic Lubrication System, Automatic Lubrication System, Lubrication System

References

- [User Manual](#)

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