CONDENSATE RECOVERY PUMP

MODEL CP-N

LOW NPSHr PUMP WITH HIGH DISCHARGE HEAD AND HIGH INLET TEMPERATURE CAPABILITY

Benefits

Ejector type pumps deliver reliable and economical high temperature condensate recovery.

1. Ability to return condensate generated in steam equipment directly to the boiler lowers radiant losses and provides maximum energy gain.
2. Eliminates need for a separate condensate recovery tank, thus lowers installation costs.
3. Low NPSHr pumps do not require high fill head, thereby enabling usage in virtually all applications near grade level.
4. High temperature condensate return up to 355 °F minimizes the operating costs normally associated with heating and deaeration of colder boiler feed water.
5. Pumps high temperature condensate at high discharge pressures without cavitation thus solving many severe service application requirements.
6. High discharge capacities avert the need for multiple pumps.
7. Pump provides continuous operation without cavitation in low NPSHa installations.

⚠ CAUTION DO NOT DISASSEMBLE OR REMOVE THIS PRODUCT WHILE IT IS UNDER PRESSURE. Allow internal pressure of this product to equal atmospheric pressure and its surface to cool to room temperature before disassembling or removing. Failure to do so could cause burns or other injury. READ INSTRUCTION MANUAL CAREFULLY.

Specifications

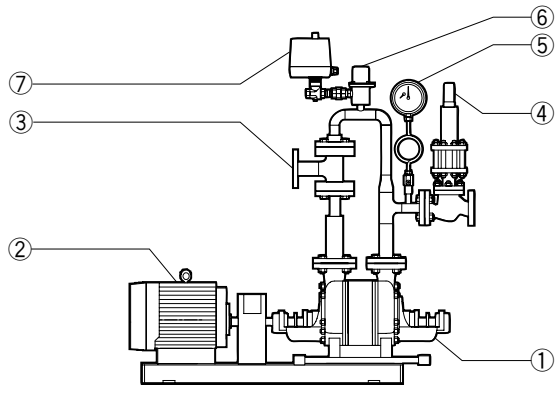
Model	CP-N
Maximum Operating Temperature (°F)	356
Motor Power Source (V)	240/480 3 phase
Frequency (Hz)	60
Programmable Controller Power Source (V)	100/200
Shaft Seal	Mechanical
Pump Discharge Head (ft)	165–655
Pump Discharge Capacity (ft^3/h)	105–530

Note: For NEMA/UL standards, contact TLV

⚠ CAUTION To avoid abnormal operation, accidents or serious injury, DO NOT use this product outside of the specification range. Local regulations may restrict the use of this product to below the conditions quoted.

No.	Description	Material*	ASTM/AISI**	JIS
①	Pump Unit	Steel/Cast Iron	—	—
②	Motor	—	—	—
③	Ejector	Carbon Steel	A53 Gr.A	STPG37
④	Pressure Control Valve	Cast Steel	A216 Gr.WCB	—
⑤	Pressure Switch	—	—	—
⑥	Water Level Detector	Carbon Steel	AISI1025	S25C
⑦	Air Release Valve	Stainless Steel	A351 Gr.CF8	SCS13

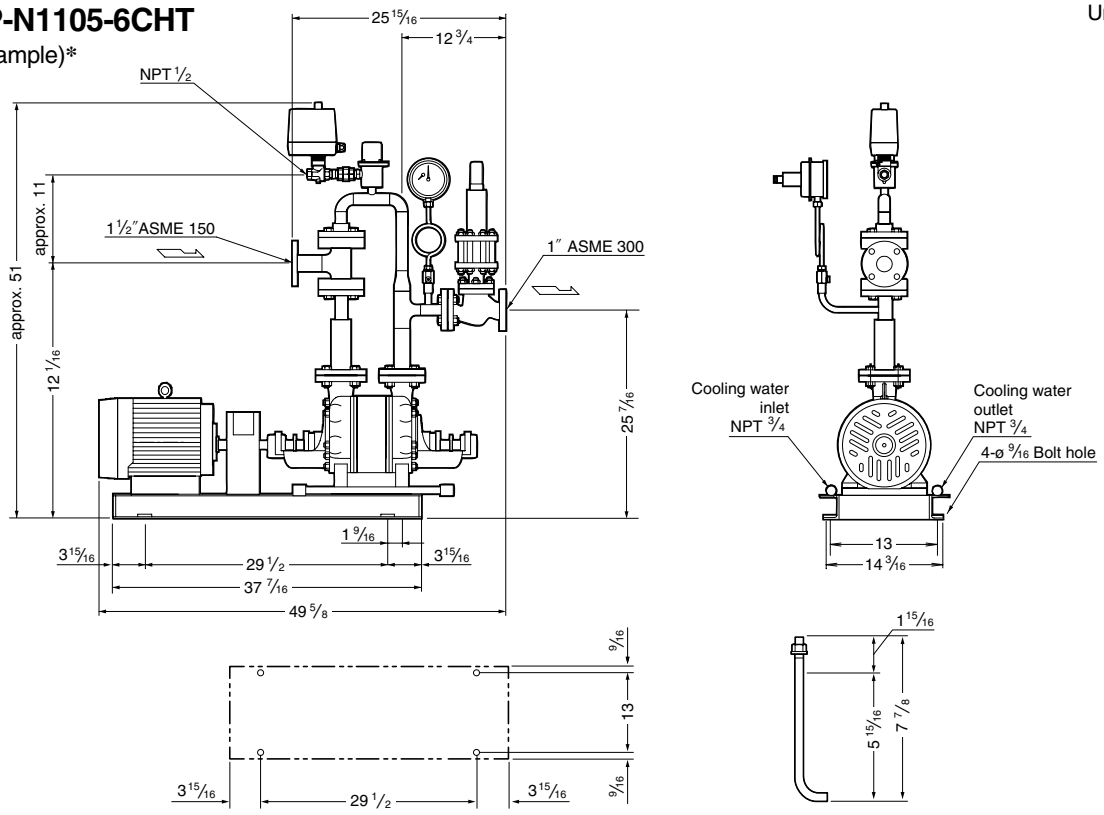
* Material may change according type of CPN ** Equivalent



Dimensions

● **CP-N1105-6CHT**
(Example)*

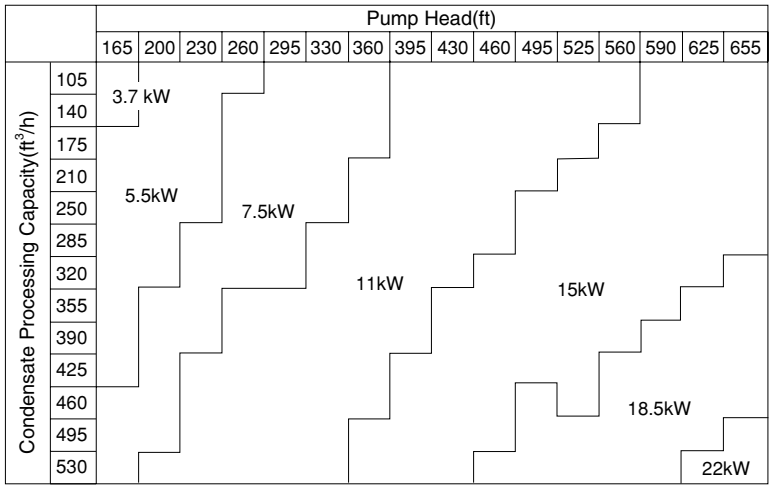
Units: inch



* Pump Head 360 ft, Pumping Capacity 175 ft³/h. For dimensions of other CP-N types, contact TLV. Both vertical and horizontal types are available.

Pump Motor Capacity

AC 60 Hz



* This chart is for high temperature (355 °F) types, for low temperature types, please contact TLV.

TLV CORPORATION
13901 South Lakes Drive, Charlotte, NC 28273-6790
Phone: 704-597-9070 Fax: 704-583-1610
E-mail: tlv@tlvengineering.com
For Technical Service 1-800 "TLV TRAP"
Member of FCI FLUID CONTROLS INSTITUTE

Manufacturer
TLV CO., LTD.
Kakogawa, Japan
is approved by LRQA Ltd. to ISO 9001/14001

ISO 9001/ISO 14001