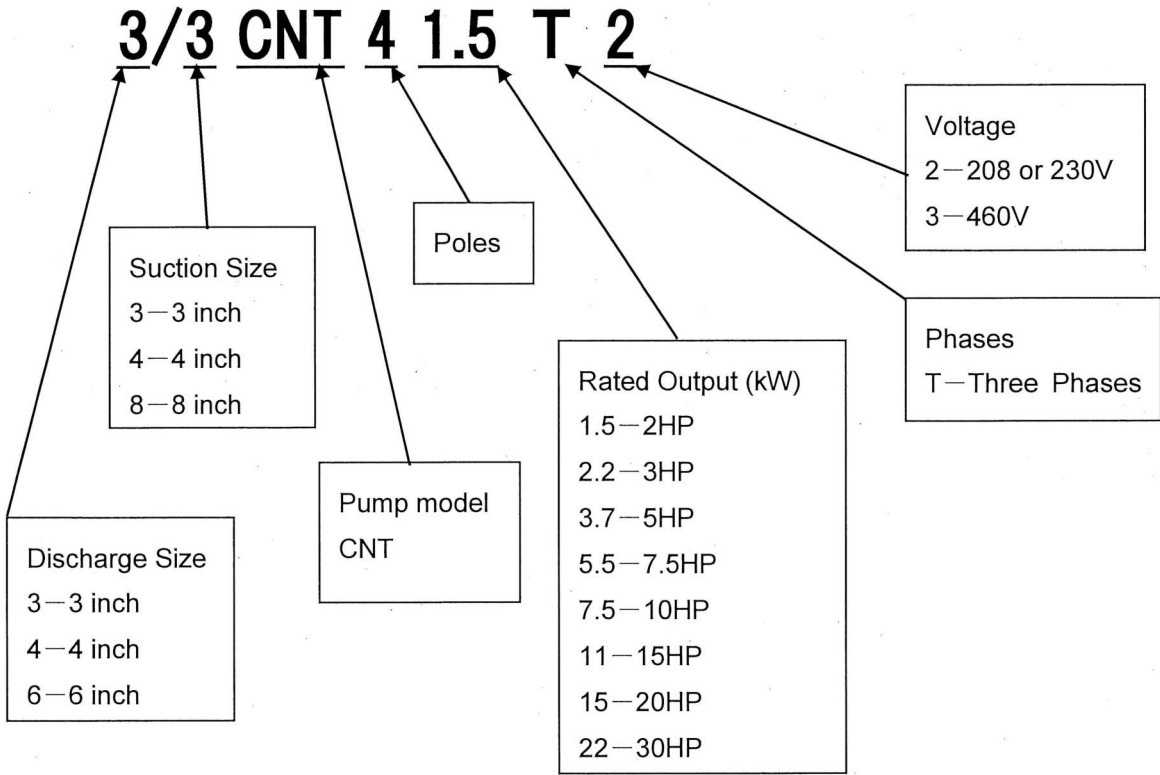
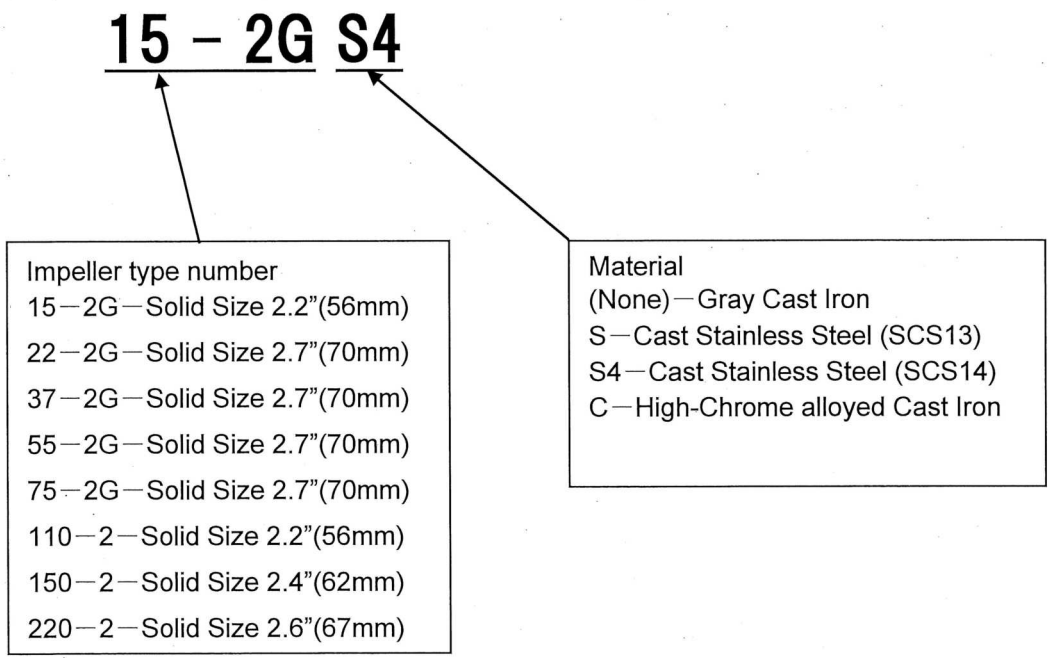


1 Product Information

◆MODEL



◆Impeller No.



◆ Combined Code List

Discharge	Suction Side	Solid Size	Model	Impeller No.
3"	3"	2.2" (56mm)	3/3CNT41.5T	15-2G
	4"	2.7" (70mm)	3/4CNT42.2T	22-2G
			3/4CNT43.7T	37-2G
4"	4"	4/4CNT45.5T	55-2G	
6"	8"	2.2" (57mm)	6/8CNT411T	110-2
		2.4" (62mm)	6/8CNT415T	150-2
		2.6" (67mm)	6/8CNT422T	220-2

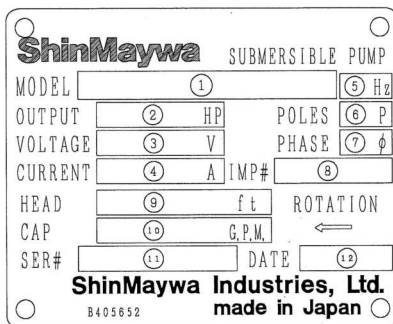
Combined Code Example

3/3CNT41.5T2 15-2G

The code specified,

4 poles, rated 2HP, 208/230V motor—2.2" passage—3inch Suction Side—3inch discharge size.

◆ Nameplate



- ① Pump Model
- ② Output
- ③ Voltage
- ④ Rated Current
- ⑤ Frequency
- ⑥ Poles
- ⑦ Phase
- ⑧ Impeller Number
- ⑨ Total Head
- ⑩ Capacity
- ⑪ Serial Number
- ⑫ Manufacturing Code


Fig.1-1 Pump Nameplate

a) Major Standard Specification


Liquid handled	Type	Sewage, Waste water
	Temperature	32~140 °F (0~60°C)
Ambient Temperature		-28~104 °F (-20~40°C)
Relative humidity		0~100%
Pump	Impeller	Non-clog channel impeller
	Shaft Seal	One coil double design mechanical seal
Materials	Casing	Gray cast iron
	Impeller	Gray cast iron
	Shaft	Stainless steel
Motor	Specification	Air filled, submersible motor
	Protection System	THERMALLY PROTECTED: Micro Thermal Protector
Shaft seal lubrication oil		Turbine No.32 ISO VG-32
Maximum water depth		16ft (5m)
Installation		Stand Alone Installation

2 Restrictions on Use

DANGER

 Do not pump oil, organic solvents, chemicals or any other flammable or explosive liquids as they can cause a fire or explosion.

CAUTION

 Do not use pump with liquids containing significant amounts of solids of sizes larger than those which pump is designed. Please consult specifications.

a) Applicable Fluids

Use the pump for water that complies with the conditions described on the right. **Do not use the pump for seawater as this will damage the pump.** When intending to use the pump for water that does not comply with the conditions specified in the table, consult with the distributor from which you purchased the pump beforehand.

Water Temperature	32-140°F (0 – 60°C)
Ambient Temperature	-28~104 °F (-20~40°C)
Relative humidity	0~100%
pH	6.0–9.0
Electrical conductivity	100 mS/m or less
DO (Dissolved Oxygen)	1–4 mgO ₂ /l
Chloride ion concentration	1,000 mg/l or less
SS	3,000 mg/l or less
BOD, COD	1,000 mg/l or less

b) Applicable Operating Environment

CNT series pumps are stationary type sewage pump to be installed outside the tank.

Since the Pump is equipped with a submersible motor that features complete watertight construction, the Pump can be used as it is even if the pump room is flooded with water.

c) Operation Time

To avoid damage to the pump, do not operate more than 12 hours in any 24-hour period and do not operate for more than 4,000 hours in any 12-month period.

The pump should not be started more than 6 times per hour.

d) Pump operating point

Shutoff operation shall never be done.

In addition, the Pump shall be used at a point within 90% of shutoff head (when discharge = 0m³/min)

e) Maximum Water Depth

The pump can be used at a maximum depth of 16ft (5m). Before using the pump at greater depths, consult the distributor from which you purchased the pump.