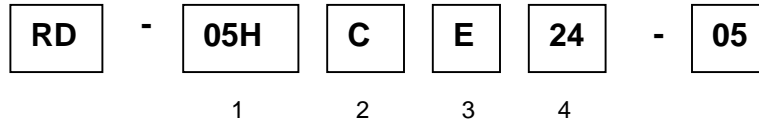




## RD Model Identification Guide

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- 1 Pump size**      05  
                          05H  
                          12  
                          12Z  
                          20  
                          30
  
- 2 Bearing material**  
     No symbol:    PPS (with filler) for RD-05 & 05H  
                          PTFE for RD-20 & 30  
     C:                Carbon
  
- 3 O ring material**  
     V:                FKM  
     E:                EPDM
  
- 4 Power source voltage**    24:    24V  
     12VDC option available for OEM applications, contact Iwaki America for details.
  
- 5 Fluid Temperature Rating**      No Symbol: 40 °C    05: 60°C

## Specifications

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Model	Bore (mm)		Max flow (L/min)	Max head (m)	Max Specific Gravity	Motor		Mass (kg)
	Suction	Discharge				Power (V)	Rated output (W)	
RD-05	14	8	4	3	1.0	DC24	3.5	0.4
RD-05H	14	8	6	9	1.0	DC24	17	0.5
RD-12	18/ 3/8 NPT	18/ 3/8 NPT	10	6	1.0	DC24	12	0.6
RD-12Z	18/ 3/8 NPT	10/ 1/4 NPT	3	9	1.0	DC24	14	0.6
RD-20	18	18	15	8	1.0	DC24	28	1.3
RD-30	18	18	20	10	1.0	DC24	45	1.3

**Notes:**

1. Performance data is based on pumping clear water at ambient temperature.
2. Max. flow based on discharge pressure of 0 psi and max. head based on operating pump at shut-off.
3. Max. allowable viscosity of liquid (at specific gravity 1.0): 1 cP (1mPa-s).
4. Ambient installed temperature range: 32 – 104 °F (0 - 40 °C).
5. Max. specific gravity is the value at maximum flow.

6. Motor specifications:

Pumps use a DC brushless motor equipped with the following protective functions in drive circuitry:

- a. Protection against jammed impeller.  
Drive circuitry will detect locked impeller and stop the pump.
- b. Excessive temperatures.  
The pump will stop when the motor temperature increases beyond rated temperature as a result of elevated fluid temperature or installed environment temperature.
- c. Over current protection.  
The drive circuitry is protected against excessive current ( Note, RD-05 has no over current protection because of its low output).
- d. Fuse  
RD's are equipped with internal fuse to protect pump form overheating or causing damage to system when drive circuit has been damaged. The built-in fuse cannot be replaced, so, we recommend use of an external fuse.

(1) Performance and dimensions of pumps may be changed without prior notice.