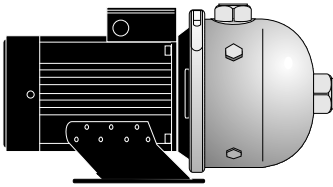


# Submittal Data

**3450 RPM**

**60 Hertz**



JOB or CUSTOMER:

ENGINEER:

CONTRACTOR:

SUBMITTED BY:

DATE:

APPROVED BY:

DATE:

ORDER NO:

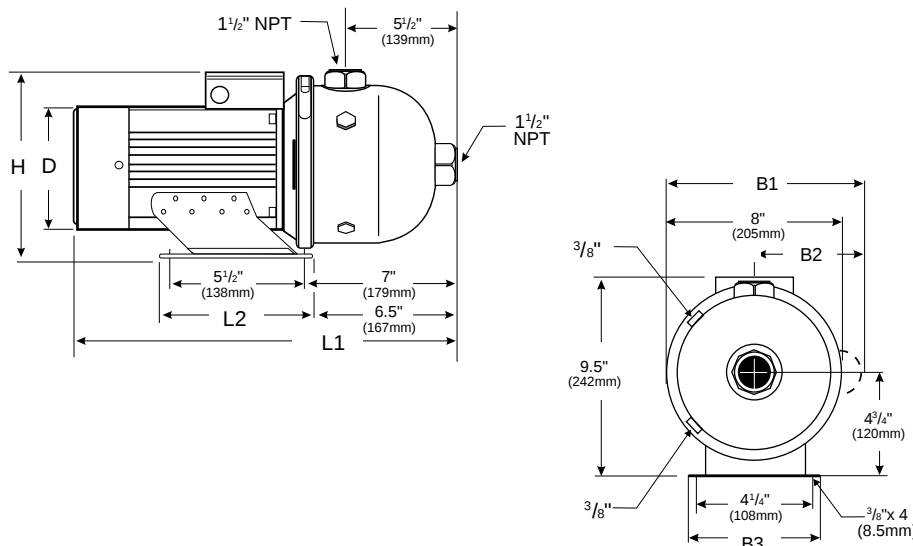
DATE:

SPECIFICATION REF:

| QUANTITY | TAG NO. | MODEL NO. | GPM | FEET | VOLT | PHASE | COMMENTS |
|----------|---------|-----------|-----|------|------|-------|----------|
|          |         |           |     |      |      |       |          |
|          |         |           |     |      |      |       |          |

Repair Kit P/N:

## Dimensions



## Technical Data

(based on airfree water at 68°F [20°C])

**MIN. FLOW RATE:** 6.0 GPM

**FLOW RANGE:** 6.0 - 70 GPM

**HEAD RANGE:** 10-184 Ft.(4-80 PSI)

**MAXIMUM WORKING PRESSURE:** 145 PSI (10 Bars)

**LIQUID TEMPERATURE:**  
(5°- 230° F)  
(-15°-110°C)

Request Carbon/Tungsten Carbide for temperature > 176°.

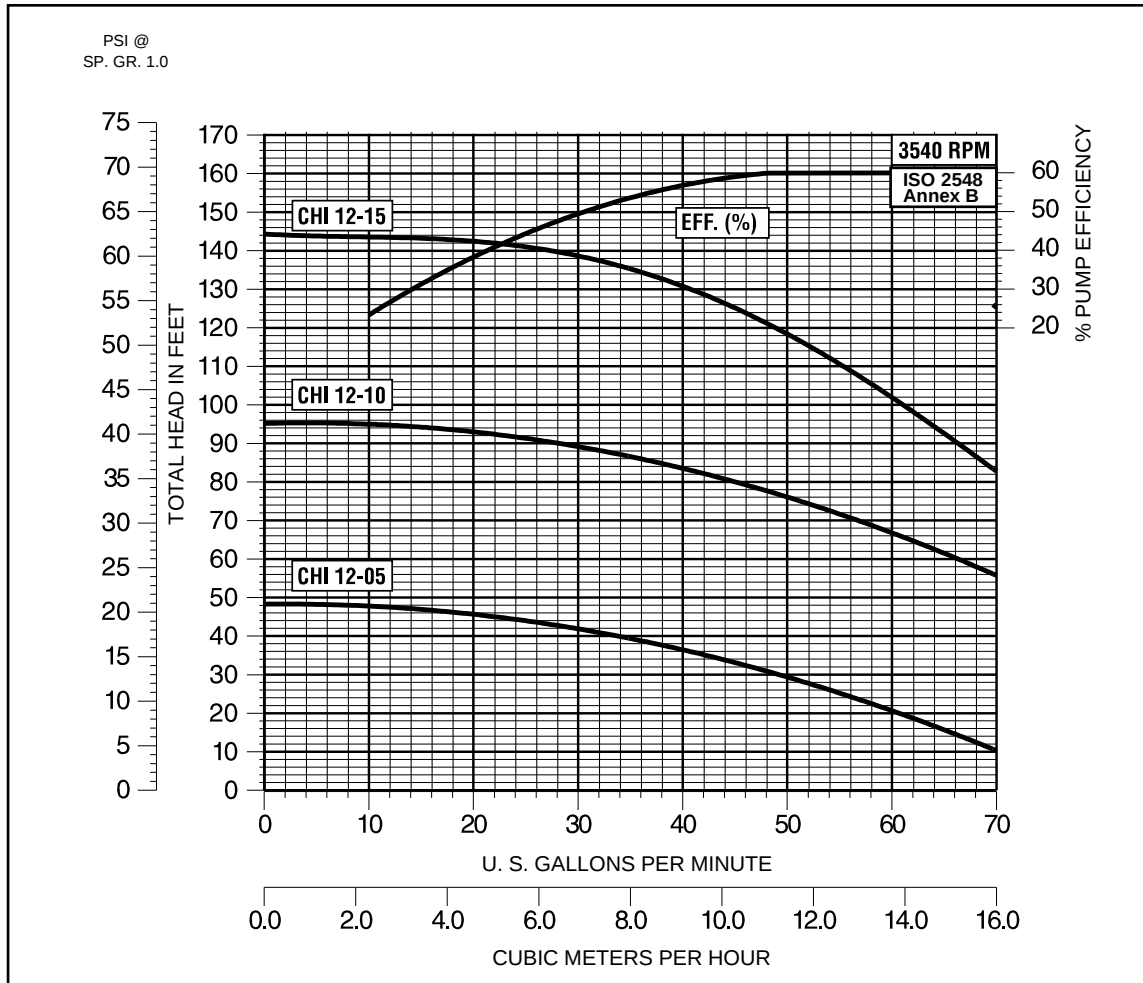
**CAN BE USED TO PUMP:** Cold and hot water; mixtures of water, other thin, clean, non-explosive liquids, and some mild chemicals (consult factory.)

## Electrical Data, Dimensions and Weights

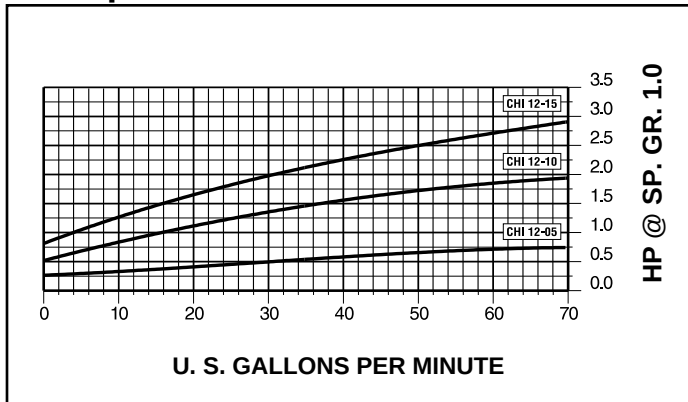
| Pump Type | HP    | Motor S.F. | PH  | Volts                  | Suct. Size | Disch. Size | DIMENSIONS IN INCHES (mm) |              |                   |               |              |              |              | Net Wt. (Lbs.) | Ship Wt. (Lbs.) | Ship Vol. (Cu. Ft.) |
|-----------|-------|------------|-----|------------------------|------------|-------------|---------------------------|--------------|-------------------|---------------|--------------|--------------|--------------|----------------|-----------------|---------------------|
|           |       |            |     |                        |            |             | L1                        | L2           | B1                | B2            | B3           | H            | D            |                |                 |                     |
|           |       |            |     |                        |            |             |                           |              | SINGLE PHASE ONLY |               |              |              |              |                |                 |                     |
| CHI 12-05 | 1/2   | 1.60       | 1 3 | 115/230<br>208-230/460 | 1½"        | 1½"         | 15⅝"<br>(397)             | 6⅜"<br>(161) | -                 | -             | 5¼"<br>(131) | 9"<br>(229)  | 5½"<br>(131) | 26             | 32              | 1.73                |
| CHI 12-10 | 1 1/2 | 1.50       | 1 3 | 115/230<br>208-230/460 | 1½"        | 1½"         | 18⅞"<br>(479)             | 6⅞"<br>(173) | 10½"<br>(268)     | 6.5"<br>(166) | 5¼"<br>(131) | 9⅝"<br>(245) | 7"<br>(178)  | 51             | 57              | 2.25                |
| CHI 12-15 | 2     | 1.50       | 3   | 208-230/460            | 1½"        | 1½"         | 18⅞"<br>(437)             | 6⅞"<br>(173) | -                 | -             | 5⅞"<br>(130) | 9⅝"<br>(245) | 7"<br>(178)  | 45             | 52              | 2.25                |

# Performance Curves (based on airfree water at 68°F [20°C])

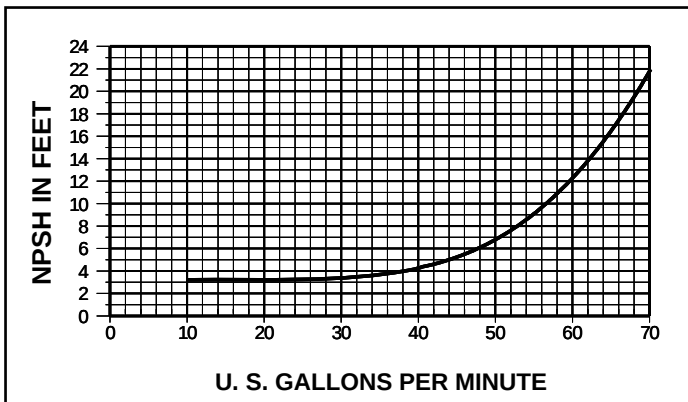
# CHI 12



## Horsepower Curve



## NPSH Curve



## Materials of Construction

| DESCRIPTION                                                               | MATERIAL         |
|---------------------------------------------------------------------------|------------------|
| Suction/Discharge Cap, Impellers                                          | 316 SS           |
| Intermediate Chambers, Spacing Pipes                                      |                  |
| Suction Interconnector, Pump Shaft                                        |                  |
| Shaft Seals - Bellows Type *                                              |                  |
| Stationary Face                                                           | Silicon Carbon   |
| Rotating Face                                                             | Silicon Carbide  |
| Secondary Seal                                                            | FPM              |
| Seal Drivers                                                              | 316 SS           |
| Spring                                                                    | 316 SS           |
| Bellows                                                                   | FPM              |
| * Optional materials available                                            |                  |
| Intermediate Chamber Bearings                                             | Aluminum Oxide   |
| Ceramics                                                                  |                  |
| Intermediate Bearing Journals                                             | Tungsten Carbide |
| O-Rings                                                                   | FPM              |
| Neck Rings                                                                | Teflon®          |
| <b>Recommended Spare Parts: Repair Kit (including shaft seal/gaskets)</b> |                  |

NOTE: ® Registered trademark of DuPont

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