

# CORAL IRRIGATION PUMP

**GB** INSTRUCTIONS FOR USE

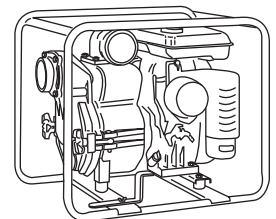
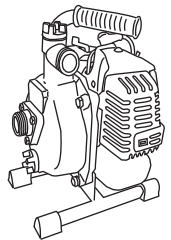
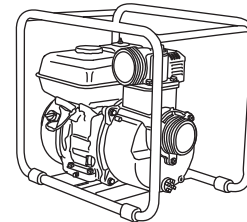
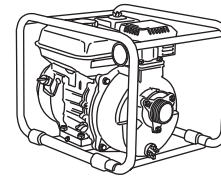
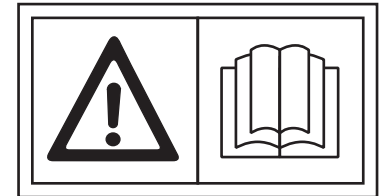
**FR** MANUEL D'UTILISATION

**DE** BEDIENUNGSANLEITUNG

**ES** MANUAL DE INSTRUCCIONES

**IT** MANUAL D'USO E MANUTENZIONE

**PT** MANUAL DE INSTRUÇÕES



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**DAISHIN**

Thank you very much for purchasing our pump.

This Operation Manual tells you how to operate and service your pump. Please read carefully before using the pump to ensure proper handling and operation.

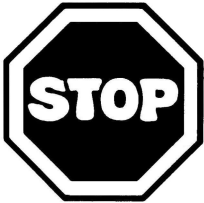
Follow the instructions carefully to keep your pump in the best running condition. If you have any questions concerning this manual, or any suggestions, please contact your nearest dealer for assistance.

#### IMPORTANT MESSAGE TO THE CONSUMER AND/OR OPERATOR



### CAUTION

This symbol of safety will be found throughout this manual alerting you to the possibility of injury. Do not expose yourself or others to danger. Carefully read each message that follows this safety symbol.



### WARNING

This symbol of safety will be found throughout this manual alerting you to the possibility of severe personal injury or loss of life if instructions are not followed.



### SAFETY PRECAUTIONS

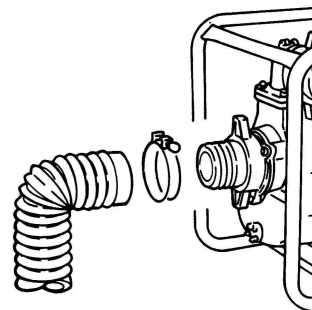
1. Before starting the pump, study all of the instructions in this booklet. Make sure you thoroughly understand how to operate the machine. Proper preparation, operation and maintenance will result in operator safety, optimum performance and long unit life.
2. Be sure each person who operates the machine is properly instructed as to its safe operation.
3. This pump is designed to give safe and dependable service, if operated according to the instructions.
4. Always keep the machine and associated equipment clean, properly serviced and maintained.
5. Observe all safety regulations for safe handling of fuel. Handle fuel in safety containers. Do not refill engine while it is running or hot. Carefully clean up any spilled fuel before starting.
6. Never operate the machine in an explosive atmosphere, near combustible materials or where ventilation is not sufficient to carry away the exhaust fumes.
7. Always be sure that the machine is on secure footing and cannot shift around and injure someone. Remember that the suction hose on a pump tends to pull the pump down when it is filled with water.

8. Keep the immediate working area free from all bystanders.
9. When starting the machine, be sure that nothing is in a position to be hit by the operator's hand or arms.
10. Avoid contacting the hot exhaust manifold, muffler or cylinder. Keep clear of all rotation parts.
11. Stop the engine and disconnect the spark plug wire before working on any part of the machine to prevent accident at starting.



## SETTING UP THE PUMP

Before starting the engine, sufficiently fill engine oil and fuel in the engine. All connections on the suction side of the pump must be air tight, so air cannot leak into the suction. In addition, the suction hose or pipe must be non-collapsible. If a pipe is to be used with an engine-driven pump, always connect a short piece of flexible hose between the pump and the pipe, so the pump will be free to float on its springs.



**PUT THE SUCTION STRAINER  
ONTO THE END OF THE SUCTION HOSE AND  
NEVER USE PUMP WITHOUT IT**



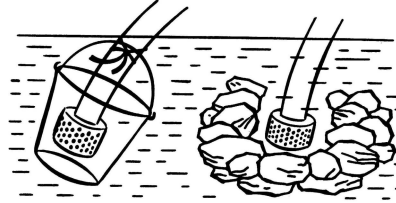
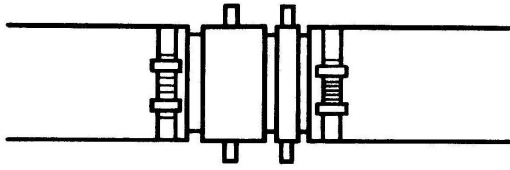
## FILL PUMP WITH CLEAN WATER

CENTRIFUGAL PUMPS can prime only when they contain water. USE CLEAN WATER for priming. Nevertheless, contaminated and extremely muddy liquids can be pumped satisfactorily provided clean water is used for priming.

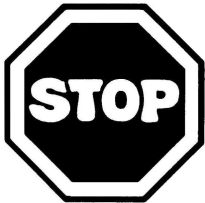
Self priming is not instantaneous. The pump needs 60 to 150 seconds to prime, according to the length of the suction hose, size of suction diameter.

It is best if the discharge hose is laid out straight. If it is necessary to curve the hose, be sure there are no sharp bends or kinks, as such restrictions reduce the flow.

Locate the suction strainer over as firm a bottom as can be found. Clogging of the strainer with a muck, roots, debris or leaves can be a problem.



## PROTECT PUMP FROM BEING DAMAGED

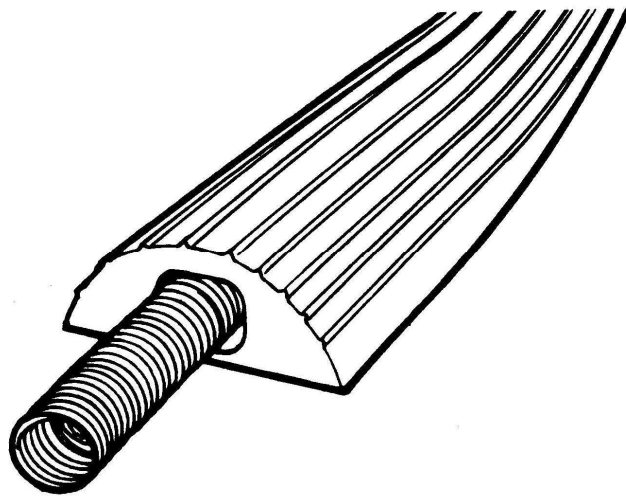
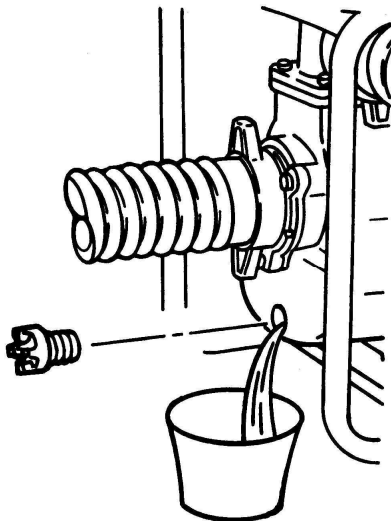


Whenever hose must be laid across a roadway, lay planking along side of it so vehicles cannot cut off the flow as they cross the hose. A vehicle running over an unprotected discharge hose while the pump is operating might not only damage the hose, but also crack the pump. It will cause pressure in the reverse direction three times greater than before, known as "water hammer". Avoid the water hammer for long life operation.



Whenever stopping to use the pump, drain out the water from the pump casing.

Because the water makes the impeller rust, especially in the winter season, it will freeze and cause damage to them.



## TROUBLE-SHOOTING CHART

| PROBLEM                         | CAUSE AND TREATMENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|---------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ENGINE CANNOT BE STARTED        | Follow instruction in engine manual.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| THE PUMP CANNOT PRIME           | <p><u>THE PUMP NEED WATER.</u><br/>Fill with clean water.</p> <p><u>WATER INSIDE THE PUMP CONTAMINATED WITH WATER.</u><br/>Drain pump and fill with clean, cold water. Even though the pump can use dirty water, clean water may be needed for priming.</p> <p><u>LEAKING HOSE OR CONNECTIONS ON SUCTION OF THE PUMP.</u><br/>Make coupling tighter.</p> <p><u>STRAINER CLOGGED.</u><br/>Clean strainer, use mean of keeping the strainer from clogging.</p> <p><u>SYSTEM CLOGGED</u><br/>Clean hoses. If necessary disassemble and clean out pump.</p>                                                                                                                                                 |
| FLOW IS SCANTY                  | <p><u>THE PUMP IS O.K., BUT TOO SMALL FOR JOB.</u><br/>Install larger pump fitted with larger diameter hoses. Just try larger hoses with the same pump.</p> <p><u>TOTAL HEAD INCLUDING FRICTION TOO GREAT.</u><br/>Do everything possible to decrease the head, eliminate unneeded elbows, adapters, and reducers. If possible, move the pump closer to the water and shorten suction hoses. Increase size of hose, especially with high suction lift and long discharge hose.</p> <p><u>PUMP LEAKING OR WORN</u><br/>Overhaul the pump. Have worn seals, gaskets, impeller or housing parts replaced as necessary; or shim to reduce clearance between impeller and the wear plate or the housing.</p> |
| VOLUME DECREASES DURING PUMPING | <p><u>CLOGGED STRAINER.</u><br/>Clean the strainer.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| THE PUMP IS "FROZEN"FAST        | <p><u>ICE INSIDE PUMP.</u><br/>Turn the pump shaft a little way by hand. Warm the pump slowly until the ice melts.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

EC- DECLARATION OF CONFORMITY  
EG- KONFORMITÄTSEKLRÄUNG  
DÉCLARATION DE CONFORMITÉ ÆCÒ  
EC-UYGUNLUK BEYANNAMESİ

DICHIARAZIONE DI CONFORMITÀ EC  
DECLARACIÓN DE CONFORMIDAD E LA CE  
CE-DECLARAÇÃO DE CONFORMIDADE

|              |            |                                                    |
|--------------|------------|----------------------------------------------------|
| Manufacturer |            | DAISHIN INDUSTRIES LTD.                            |
| Hersteller   | Fabricante | 1520-1, Funatsuke, Yoro-Cho                        |
| Fabricant    | Fabricante | Yoro-Gun, Gifu 503-1382 Japan                      |
| Costruttore  | URETİCİ    | Phone: 81-(0)584-36-0501<br>Fax: 81-(0)584-36-0504 |

|                                                                                    |                             |
|------------------------------------------------------------------------------------|-----------------------------|
| Name and address of the person who keeps the Technical Documentation               | DAISHIN INDUSTRIES LTD.     |
| Name und Anschrift der Person, die für technische Dokumentation verantwortlich ist | 1520-1, Funatsuke, Yoro-Cho |
| Nom et address de la personne qui garde la Documentation Technique                 | Yoro-Gun, Gifu 503-1382     |
| Nome e indirizzo della persona che conserva la documentazione tecnica              | Japan                       |
| Nombre y dirección del encargado de la documentación técnica                       | Y. Sadaka                   |
| Nome e endereço do responsável pela conservação da Documentação Técnica            |                             |
| Teknik dokumantasyondan sorumlu kisinin ismi ve adresi                             |                             |

|                              |                                  |
|------------------------------|----------------------------------|
| Description of the equipment | Descrizione dell'apparecchiatura |
| Beschreibung des Geräts      | Descripción del equipo           |
| Description de l'équipement  | Descrição do equipamento         |
| CIHAZIN TANIMI               |                                  |

|                            |                           |            |            |            |
|----------------------------|---------------------------|------------|------------|------------|
| Product : Water Pump       | Trade name                | SCR252M2   | SCR252M3   | SCR254HX   |
| Produkt : Wasserpumpe      | Handelsbezeichnung        | SCR252K2   | SCR252R5   | SCR-25GM   |
| Produit : Pompe à eau      | Marque déposée            | SCR-25RH   | SCR-40GM   | SCR-50GM   |
| Prodotto : Pompa acqua     | Denominazione commerciale | SCR-50HX   | SCR-50RX   | SCE-50HX   |
| Producto : Bomba de agua   | Nombre comercial          | SCR-80GM   | SCR-80HX   | SCR-80RX   |
| Produto : Bomba Hidráulica | Nome comercial            | SCR-100HX  | SST-50GM   | SST-50HX   |
| Urun : Su Motoru           | Urun TANIMI               | SST-50RX   | SST-80GM   | SST-80HX   |
|                            |                           | SST-80RX   | SWT-50RX   | SWT-50HX   |
|                            |                           | SWT-100RX  | SWT-80RX   | SWT-80HX   |
|                            |                           | SMD-50HXW  | SWT-80GM   | SWT-100HX  |
|                            |                           | SMD-50HX   | SMD-50RX   | SMD-80HX   |
|                            |                           | SMD-80RX   | SCH-5050GM | SCH-4070HX |
|                            |                           | SCH-4070GM | SCH-5050HX | SCH-5050RX |

The undersigned, Y.Sadaka, representing the manufacturer, herewith declares that the product is in conformity with the provisions of the following EC-directives:

Der Unterzeichnende, Y.Sadaka, den Hersteller repräsentierend, erklärt hiermit, daß das Produkt mit den Forderungen der folgenden EG-Amtsblattsverfügungen übereinstimmt:

Le soussigné, Y.Sadaka, représentant le Fabricant, déclare que le produit est en conformité avec les Directives EC suivantes:

Il sottoscritto Y.Sadaka, in rappresentanza del costruttore con il presente documento dichiara che il prodotto è conforme alle norme delle sequenti direttive EC:

EL firmante, Y.Sadaka, representando al fabricante, declara que el producto conforma las provisiones de las siguientes normativas de la CE:

O abaixo assinado, Y.Sadaka, representando o fabricante, declara por meio desta que o produto está em conformidade com as disposições das seguintes directives da CE:

Ureticiyi temsilen ismi belirtilen kisi Y.Sadaka, urunun EC SARTLARINA uygun oldugunu beyan eder:

| References                                               | Références  | Referências | Zur Bezugnahme |           |         |            |     |
|----------------------------------------------------------|-------------|-------------|----------------|-----------|---------|------------|-----|
| Riferimenti                                              | Referencias | REFERANSLAR |                |           |         |            |     |
| 98/37/EC,98/79/EC                                        |             |             |                |           |         |            |     |
| 89/336/EEC,93/68/EEC                                     |             |             |                |           |         |            |     |
| 2000/14/EC,2005/88/EC                                    |             |             |                |           |         |            |     |
| Measured Sound Power Level                               |             | SCR252M2    | 101            | SCR-80HX  | 104     | SWT-80RX   | 104 |
| Gemessener Schalldruckpegel                              |             | SCR252M3    | 100            | SCR-80RX  | 104     | SWT-100HX  | 107 |
| Niveau de puissance acoustique mesurée                   |             | SCR252R5    | 100            | SCR-100HX | 107     | SWT-100RX  | 106 |
| Livello di rumore misurato                               |             | SCR252K2    | 101            | SST-50HX  | 102     | SMD-50HX   | 101 |
| Nivel de potencia sonora medido                          |             | SCR254HX    | 98             | SST-50GM  | 98      | SMD-50HXW  | 101 |
| Nivel de potência sonora medido                          |             | SCR-25GM    | 102            | SST50RX   | 101     | SMD-50RX   | 101 |
| Olculen Ses seviyesi                                     |             | SCR-25RH    | 98             | SST-80HX  | 104     | SMD-80HX   | 104 |
|                                                          |             | SCR-40GM    | 102            | SST-80GM  | 101     | SMD-80RX   | 104 |
|                                                          |             | SCR-50GM    | 98             | SST-80RX  | 104     | SCH-4070HX | 104 |
|                                                          |             | SCR-50HX    | 102            | SWT-50HX  | 104     | SCH-4070GM | 101 |
|                                                          |             | SCR-50RX    | 101            | SWT-50RX  | 102     | SCH-5050HX | 104 |
|                                                          |             | SCE-50HX    | 102            | SWT-80HX  | 107     | SCH-5050GM | 101 |
|                                                          |             | SCR-80GM    | 101            | SWT-80GM  | 107     | SCH-5050RX | 104 |
| Guaranteed Sound Power level:                            |             | SCR252M2    | 104            | SCR-80HX  | 106     | SWT-80RX   | 106 |
| Garantierter Schalldruckpegel:                           |             | SCR252M3    | 102            | SCR-80RX  | 105     | SWT-100HX  | 110 |
| Niveau de puissance acoustique garantie:                 |             | SCR252R5    | 102            | SCR-100HX | 110     | SWT-100RX  | 108 |
| Livello di rumore garantito:                             |             | SCR252K2    | 103            | SST-50HX  | 103     | SMD-50HX   | 103 |
| Nivel de potencia sonora garantizado:                    |             | SCR254HX    | 100            | SST-50GM  | 99      | SMD-50HXW  | 103 |
| Nivel de potência sonora garantido:                      |             | SCR-25GM    | 103            | SST50RX   | 103     | SMD-50RX   | 103 |
| Garanti edilen Ses seviyesi:                             |             | SCR-25RH    | 99             | SST-80HX  | 106     | SMD-80HX   | 105 |
|                                                          |             | SCR-40GM    | 103            | SST-80GM  | 103     | SMD-80RX   | 105 |
|                                                          |             | SCR-50GM    | 99             | SST-80RX  | 105     | SCH-4070HX | 106 |
|                                                          |             | SCR-50HX    | 103            | SWT-50HX  | 106     | SCH-4070GM | 103 |
|                                                          |             | SCR-50RX    | 103            | SWT-50RX  | 103     | SCH-5050HX | 106 |
|                                                          |             | SCE-50HX    | 103            | SWT-80HX  | 110     | SCH-5050GM | 103 |
|                                                          |             | SCR-80GM    | 103            | SWT-80GM  | 110     | SMD-5050RX | 106 |
| Conformity Assessment Procedure                          |             |             |                |           | Annex V |            |     |
| Bewertungsverfahren zur Feststellung der Übereinstimmung |             |             |                |           |         |            |     |
| Procédé d'évaluation de conformité                       |             |             |                |           |         |            |     |
| Procedura di valutazione di conformità                   |             |             |                |           |         |            |     |
| Procedimiento de evaluación de conformidad               |             |             |                |           |         |            |     |
| Procedimento de avaliação da conformidade                |             |             |                |           |         |            |     |
| Uygunluk deęerlendirme proseduru                         |             |             |                |           |         |            |     |

Reference to harmonized standards:  
Verweis auf harmonisierte Normen:  
Référence pour harmoniser les norms:  
Riferimento alle normstive armonizzate:  
Referencia a normas relacionadas:  
Referência para harmonizar standards:  
UYUMLU OLDUGU STANDARTLAR

EN292-1  
EN292-2  
EN809

Other national standards or specifications used:  
Andere angewandte nationale Normen oder Spezifikationen:  
Autres normes nationales ou specifications utilisées:  
Altre normative nazionali o specifiche impiegate:  
Otras normas nacionales o especificaciones utilizadas:  
Outros padrões ou especificações nacionais utilizados:  
KULLANILAN diger ulusal standartlar veya spesifikasyonlar:

ISO 3744

Signature:



|               |             |            |                   |                                            |
|---------------|-------------|------------|-------------------|--------------------------------------------|
| Done at:      | Yoro, Japan | Date:      | 1. May. 2007      | Development department manager             |
| Ort:          | Yoro, Japan | Datum:     | 1. Mai. 2007      | Entwicklungsabteilungsmanager              |
| Fait à:       | Yoro, Japan | Date:      | 1 Mai 2007        | Directeur du département du développement  |
| Firma:        | Yoro, Japan | Preparato: | 1 Maggio 2007     | Capo servizio di sviluppo                  |
| Hecho en:     | Yoro, Japan | Fecha:     | 1 mayo 2007       | Gerente de departamento de desarrollo      |
| Preparado em: | Yoro, Japan | Data:      | 1 de maio de 2007 | Gerente de departamento de desenvolvimento |
| Yapı:         | Yoro, Japan | Veriler:   | 1 Mayıs 2007      | Development department manager             |