



GSA INTERNATIONAL

Certificate of Compliance

Certificate: 208361-1148030

Project: 1148030

Date Issued: August 6, 2001

Issued to: Taiwan Chang Steel Electronic & Machine Tools Co., Ltd.
No 36, Sanfeng Road,
Houli, Taichung,
Taiwan

The products listed below are eligible to bear the CSA Mark shown, with adjacent indicator "C" and "US".



Issued by: Sebastian George, P. Eng.
FOR Vancouver, BC Canada

Signature

PRODUCTS

CLASS 3851 01 - LIQUID PUMPS

CLASS 3851 81 - LIQUID PUMPS - CERTIFIED TO U.S. STANDARDS

Component type coolant pumps, permanently connected, 120 V, 240 V, 480 V, or 600 V, single or three phase, 60 Hz, Series MC. Model Nos and rating are as follows:

| Model | 120/240 V, single phase | 240/480 V, 3 phase | 600 V, 3 phase | HP Rating | RPM |
|-------|-------------------------|--------------------|----------------|-----------|------|
| 8000 | 1.30/0.65 A | 0.36/0.18 A | 0.14 A | 1/8 hp | 3400 |
| 8130 | 1.30/0.65 A | 0.36/0.18 A | 0.13 A | 1/8 hp | 3430 |
| 8150 | 1.30/0.65 A | 0.36/0.18 A | 0.13 A | 1/8 hp | 3430 |
| 8180 | 1.30/0.65 A | 0.36/0.18 A | 0.13 A | 1/8 hp | 3420 |
| 8220 | 1.30/0.65 A | 0.36/0.18 A | 0.13 A | 1/8 hp | 3420 |
| 4000 | - | 0.70/0.35 A | 0.3 A | 1/4 hp | 3400 |
| 4180 | - | 0.70/0.35 A | 0.3 A | 1/4 hp | 3420 |
| 4220 | - | 0.70/0.35 A | 0.3 A | 1/4 hp | 3430 |
| 4270 | - | 0.70/0.35 A | 0.3 A | 1/4 hp | 3420 |
| 2000 | - | 1.6/0.8 A | 0.7 A | 1/2 hp | 3400 |
| 2180 | - | 1.6/0.8 A | 0.7 A | 1/2 hp | 3430 |
| 2330 | - | 1.6/0.8 A | 0.7 A | 1/2 hp | 3420 |
| 1180 | - | 2.8/1.4 A | 1.2 A | 1 hp | 3420 |
| 1330 | - | 2.8/1.4 A | 1.2 A | 1 hp | 3420 |

The "C" and "US" indicator adjacent to the CSA Mark signifies that the product has been evaluated to the applicable ANSI/UL and CSA Standards, for use in the U.S. and Canada. This includes products eligible to bear the NRTL indicator. NRTL, i.e. Nationally Recognized Testing Laboratory, is a designation granted by the U.S. Occupational Safety and Health Administration (OSHA) to laboratories which have been recognized to perform certification to U.S. Standards.