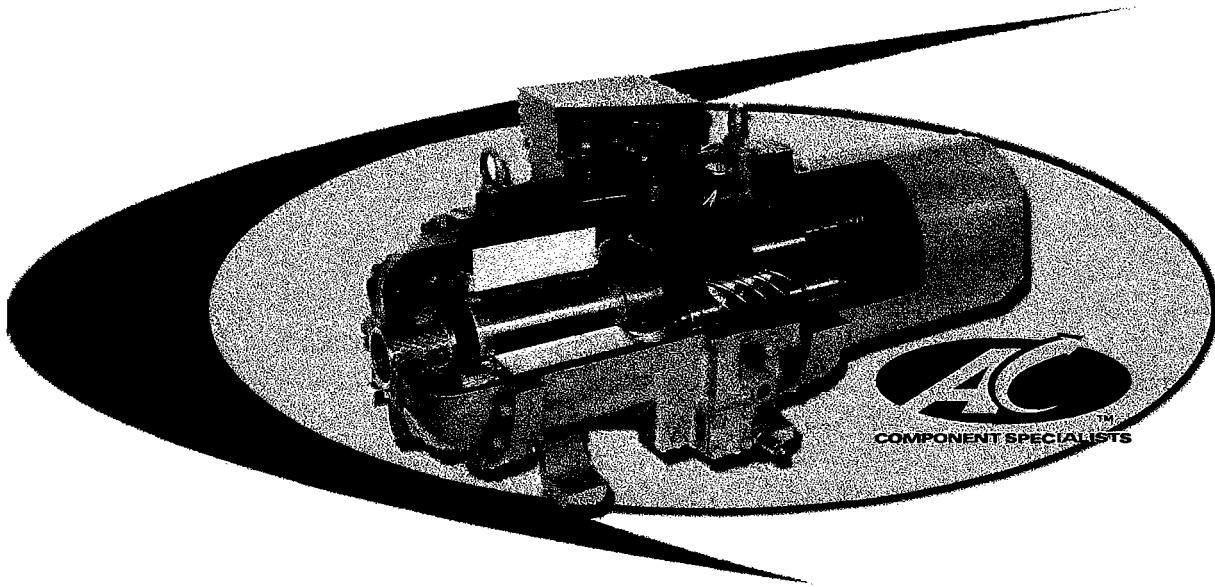


HITACHI

SRM SEMI-HERMETIC HORIZONTAL SCREW COMPRESSOR



SERVICE and OPERATION INFORMATION

AC Component Specialists, Inc.

**Remanufactured Models:
4002SC-H, 5002SC-H and 6002SC-H**

Nationwide Sales and Service Center

**899 South Prairie Lane
P.O. Box 500**

Marshfield, Missouri 65706

Phone: (417) 859-6067 Fax: (417) 859-2109

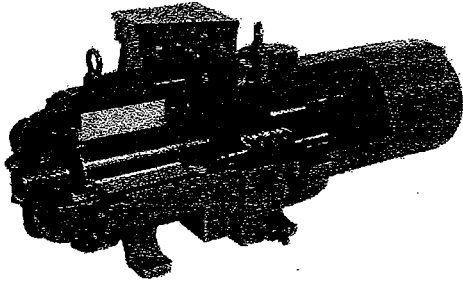
NOTICE

SAFETY PRECAUTIONS

In performing any work on the compressor or the associated refrigeration equipment, proper safety procedures must **ALWAYS** be observed. Procedures include, but may not be limited to, the following:

- 1) Only qualified refrigeration mechanics familiar with the HITACHI compressor maintenance procedures should attempt any service to the HITACHI compressor.
- 2) The compressor may be hot from operation and the oil contained therein will also be hot, allow the compressor and the oil to cool to room temperature before beginning any service to prevent burns.
- 3) Remove and lockout all sources of power from the compressor to prevent accidental restart.
- 4) Isolate the compressor from the refrigeration system.
- 5) Recover the refrigerant from the compressor.
- 6) Check to confirm that the pressure within the compressor is at no more than 2 or 3 psig above atmospheric pressure before any service is begun.
- 7) Adherence to all national environmental requirements and local codes and ordinances is vital. It is not the intent of this bulletin to supercede any governing codes or safety practices while performing the service outlined herein.

NOTICE



HITACHI

SRM Semi-Hermetic Screw Compressor General Product Information

MODEL		4002SC - H	5002SC - H	6002SC - H
COOLING CAPACITY				
50 Hz Operation	kcal/h	111,500	138,000	170,000
60 Hz Operation		134,500	166,000	204,500
50 Hz Operation	Btu/h	442,500	547,500	674,500
60 Hz Operation		533,500	658,500	811,500
MOTOR INPUT				
50 Hz Operation	kW	32.5	40.0	49.5
60 Hz Operation		39.0	48.0	59.5
OVERALL DIMENSIONS				
Height	mm (ft. - in.)	572 (1-10-1/2)	597 (1-11-1/2)	597 (1-11-1/2)
Width	mm (ft. - in.)	437 (1-5-1/4)	465 (1-6-1/4)	465 (1-6-1/4)
Length	mm (ft. - in.)	1,117 (3-8)	1,203 (3-11-3/8)	1,233 (4-0-1/2)
Net Weight	kg (lbs.)	320 (710)	430 (950)	450 (995)
Shipping Weight	kg (lbs.)	427 (940)	482 (1060)	527 (1160)
DISPLACEMENT				
50 Hz Operation	m/h (cfm)	137.4 (80.9)	169.5 (99.8)	208.7 (122.8)
60 Hz Operation	m/h (cfm)	165.6 (97.5)	204.2 (120.2)	251.5 (148.0)
PIPING CONNECTING				
Suction Piping O.D.	mm	54.0	54.0	54.0
Suction Piping O.D.	(in.)	(2-1/8)	(2-1/8)	(2-1/8)
Discharge Piping O.D.	mm	35.0	41.0	41.0
Discharge Piping O.D.	(in.)	(1-3/8)	(1-5/8)	(1-5/8)

The cooling capacity and the motor input are based on the following conditions:

Condensing Temperature:	40.6° C (105° F)
Leaving Liquid Temperature from Condenser:	40.6° C (105° F)
Evaporating Temperature:	4.4° C (40° F)
Suction Gas Temperature to Compressor:	12.8° C (55° F)