

INTRODUCTION

CGEE offers a variety of chiller options to best fit the facility design needs from 10 tons to a 4,000 ton air and water cooled options. Most manufacturers only provide standard chillers and accessories, CGEE offers a variety of custom changes to best fit the commercial indoor garden's needs. Innovation is unmatched in the industry and CGEE chillers are able to operate at low and sub-freezing water conditions to offer the most effective dehumidification.

From smaller to larger chillers, a variety of compressor options are available: Single & Variable Speed Scroll, Single & Variable Speed Screw, Single & Variable Speed Centrifugal and Variable Speed Magnetic Bearing Compressors.

In all options of compressor, the designer has the choice of initial cost effective standard efficiency chiller or a more investment driven, high efficiency chiller.



MAG Bearing Chiller

CHILLERS 10 TO 4,000 TONS		
TYPE	COMPRESSOR(S) / CIRCUITS	TONNAGE
Air Cooled Scroll (10-170 Tons)	(2) Compressor → Single Circuit	10-30 Tons
	(4) Compressors → Dual Circuit	40-95 Ton
	(6) Compressors → Dual Circuit	105-170 Tons
Air Cooled Screw (130-470 Tons)	(1) Compressor → Variable Speed	115-300 Tons
	(2) Compressor → Variable Speed	225-470 Tons
Water Cooled Screw (70-747 Tons)	(1) Compressor → Single Speed	70-332 Tons
	(2) Compressor → Single Speed	142-582 Tons
	(3) Compressor → Single Speed	600-634 Tons
	(1) Compressor → Variable Speed	133-376 Tons
	(2) Compressor → Variable Speed	270-747 Tons
Water Cooled Centrifugal (300-4,000 Tons)	(1) Compressor → Single Stage	300-,2000 Tons
	(1) Compressor → Dual Stage	500-1,600 Tons
	(2) Compressors → Dual Stage	2,000-4,000
Water Cooled Mag Bearing Centrifugal (90—680 Tons)	(1) Compressor → Variable Speed	90-190 Tons
	(2) Compressors → Variable Speed	210-370 Tons
	(3) Compressors → Variable Speed	390-570 Tons
	(4) Compressors → Variable Speed	600-680 Tons



ASHRAE 90.1 COMPLIANT



CHILLERS AND COMPRESSOR TYPES



R410A

Air Cooled Scroll
10-170 Ton



R134a

Water Cooled Vertical Screw
70-747 Ton



R134a

Air Cooled Screw
(133-470 Ton)



R134a

Water Cooled Vertical Screw
70-747 Ton (Multi-Compressor)



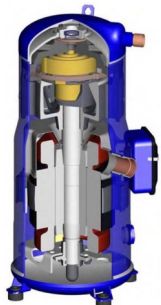
R134a

Water Cooled Centrifugal
300-4,000 Ton



R134a

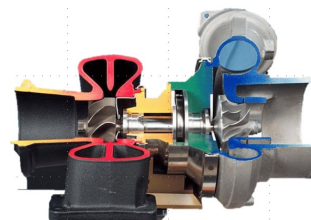
Water Cooled Mag Bearing Centrifugal
90-680 Ton



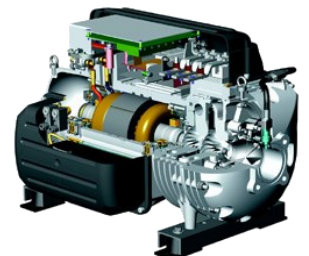
SCROLL



VETICAL SCREW



CENTRIFUGAL



MAG BEARING
CENTRIFUGAL