



ACP AIRCONDITIONING

AMBASSADOR

A RANGE OF

SUPER QUIET EQUIPMENT

AIR COOLED WATER CHILLERS

‘SUPER QUIET’ EQUIPMENT INTRODUCTION

Optimum design dictates that two important considerations are addressed when selecting cooling products, these are minimum noise level and maximum equipment efficiency. Additionally a trend away from wet heat rejection systems has dictated that dry cooling equipment has an increasingly important role in today’s environment.

To meet these challenges ACP have developed the Super Quiet range of equipment as a modular concept to be applied as Air Cooled Condensers, Dry Air Coolers, and Air Cooled Condensing Units, as well as Air Cooled Fluid Chillers. The strategy applied to the

range is for air to be passed very slowly at the lowest possible resistance over finned tube heat exchangers with wide fin spacing using low speed fans. In the Chiller Range compressors are housed in acoustically treated and ventilated compartments.

If your noise limitations are less critical than the standard product can achieve, we can fit smaller, higher speed fans to reduce size and cost.

Users can be confident that continued spares availability is assured as all component parts are selected from leading manufacturers standard range

with distribution and stockists across Europe.

Operating and maintenance literature details major parts for each item of equipment supplied.

Many options can be incorporated into this range of equipment please contact ACP for details.

The Super Quiet range product codes are:

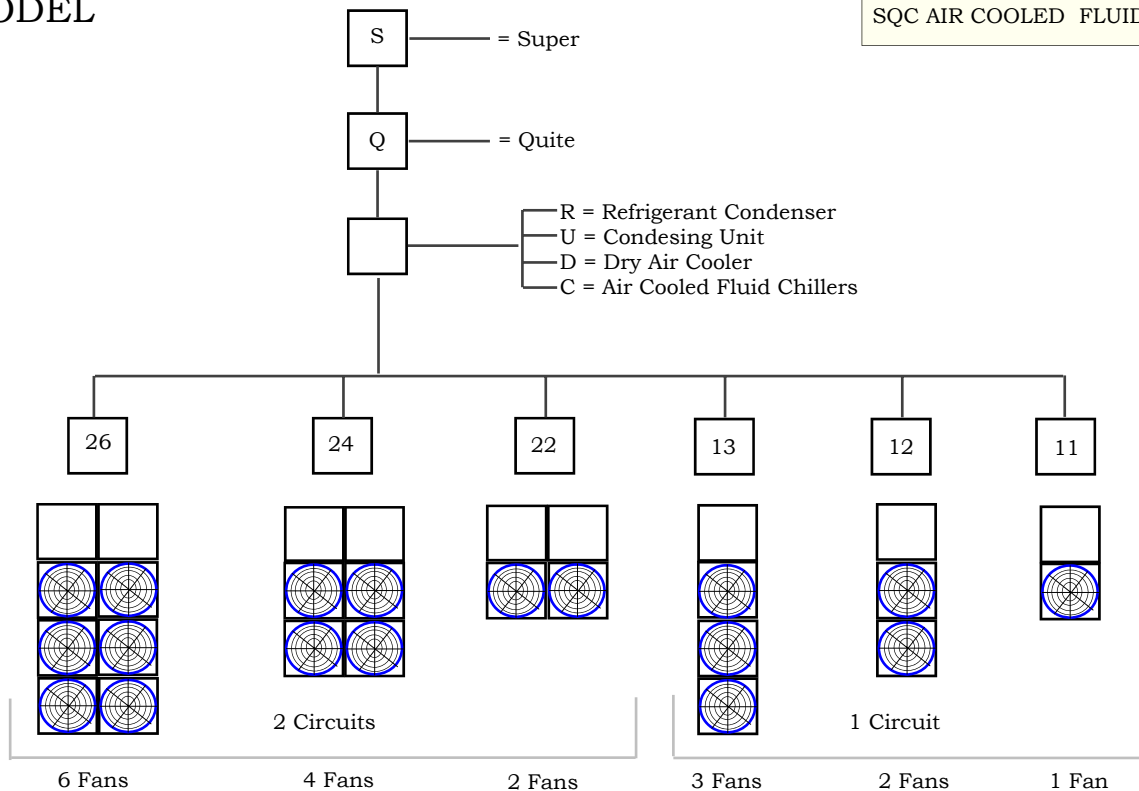
SQR REFRIGERANT AIR CONDENSERS

SQU AIR COOLED CONDENSING UNITS

SQD DRY AIR BLAST COOLERS

SQC AIR COOLED FLUID CHILLERS

MODEL



SQC 'SUPER-QUIET' CHILLERS

A continuous under frame is fitted beneath the assembly with the compressor, enclosed and all condenser supports fitted to form a complete unit for sling lifting.

The compressor section is formed from our standard anodised aluminium frame with double skinned acoustic enclosure panels.

High efficiency compressors are mounted on anti-vibration fittings and are complete with crankcase heater, isolating valves and (where stated) cylinder

unloading equipment.

All refrigeration circuits are brazed with best quality seamless copper tube and include all safety and ancilliary components.

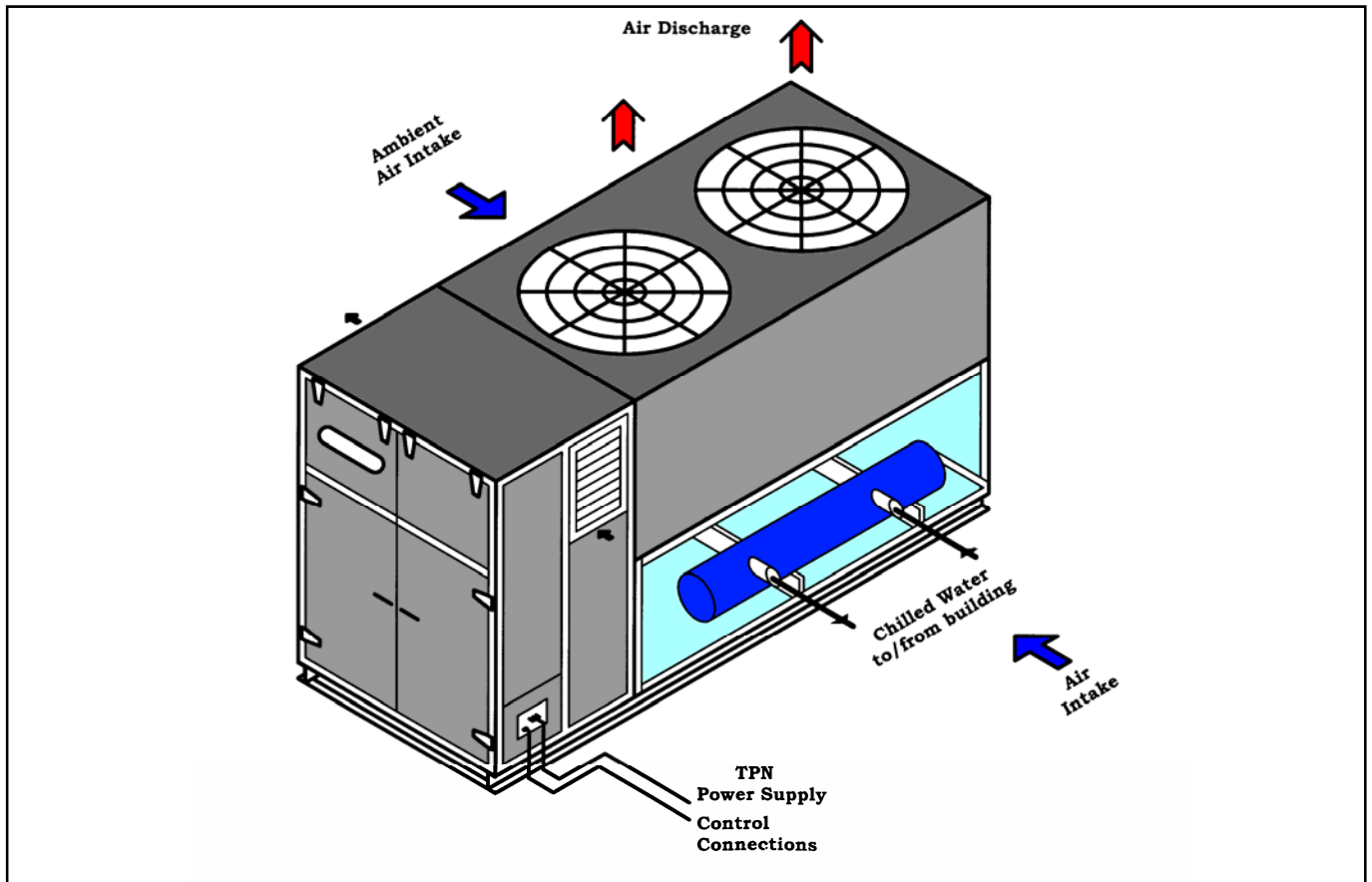
Hot gas injection can be included for supplementary capacity control and anti-freeze protection.

Evaporators are either the shell and tube or brazed plate type dependent on specification requirements and are fitted

with trace heating as necessary, controlled by an ambient temperature sensor.

The evaporator is insulated. Chilled water pipe connections terminate on the evaporator with BSP screwed connections. Condenser coils are constructed from copper tubes and headers with aluminium plate fins mechanically bonded to the tubes.

Fans are slow speed, weather protected and fitted with safety guards.



MODEL SELECTION

	SQC Model	Cooling Duty KW	Nominal Weight KG	Electrical 400/3/50	
				F.L.C a/p	Start C.* a/p
1 Circuit	11	44	1250	32	155
	12	88	1700	76	174
	13	132	2100	210	287
2 Circuit	22	88	2100	63	184
	24	176	3300	160	259
	26	264	4300	252	420

Table is based on C.W 5.5/11°C operating in an ambient temperature of 30°C.
 * Data for standard starting method - Reduced starting currents available.

**THE ABOVE TABLE GIVES
 NOMINAL MAXIMUM DATA
 FOR EACH MODEL SIZE.**

Many intermediate duties available for a particular application, advise ACP of full design requirements and a detailed estimate can then be provided.