



AC350

The new powerful heat exchanger with single and double circuit solution

Brazed plate DX evaporator from Alfa Laval

Alfa Laval has introduced a new size of plate heat exchanger, the AlfaChill 350. It is a brazed plate evaporator and condenser optimized for air conditioning and refrigeration. The new plate has been designed and tested with both HCFC and HFC at a capacity range of 200 to 620 kW (60-180 RT). AC350 is available both in dual and single circuit versions and is compatible with the widely used R407C, R410A, R134A, R22 and R404A refrigerants.

New patented technology

AlfaChill 350 integrates a new, patented distribution system that significantly improves the distribution of refrigerants inside the heat exchanger. This allows AC350 to satisfactorily maintain a very high specific performance with a large number of plates and then to reach very high capacity. This was only a dream with others brazed heat exchangers on the market. Thus, with AC350, it is possible to benefit from all the generic characteristics connected to brazed heat exchangers to a greater degree.

Existing patented technology

AC350 integrates all the best Alfa Laval technology specifically developed for the air conditioning and refrigeration market. Of the above-mentioned newly patented distribution systems, AC350 integrates both the well-known Equalancer and Dualancer technology. This ensures a very low risk of freezing and allows our customers to reach high evaporation temperatures (and subsequently high COP) even at high capacity.

Other advantages of AlfaChill 350

Partial load – Thanks to the new improved distributor implemented into AC350 EQ and AC350 DQ consistent improvements are shown even at partial load with all common refrigerants.

Multi-scroll – AC350 can reach a very high capacity and is equally suitable to work with the latest developed compressors (6 x 30 HP).



Special
innovations
of Alfa Laval

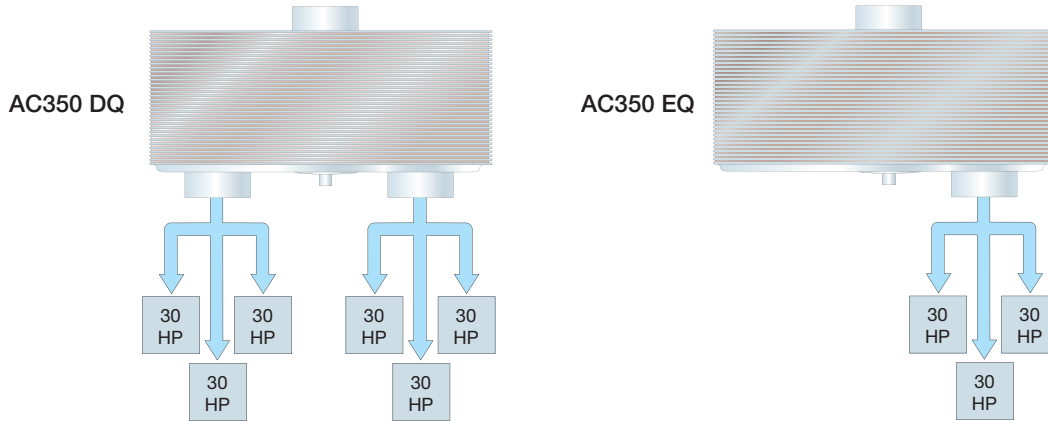


Dualaced System An advanced dual circuitry integrated in the plate

Equalancer System The integrated refrigerant distribution system that increases performance

Diagonal Refrigerant flow Improves performance in the plate

Example of installations with scroll compressors



General data

Working temperature min.	-160°C (-256°F)
Working temperature max.	+150°C (+302°F)
Working pressure min.	Vacuum
Working pressure max. (Ref.)	3.2 MPa (465 psig)
Working pressure max. (Water)	3.2 MPa (465 psig)
Dual circuit system	Dualaced

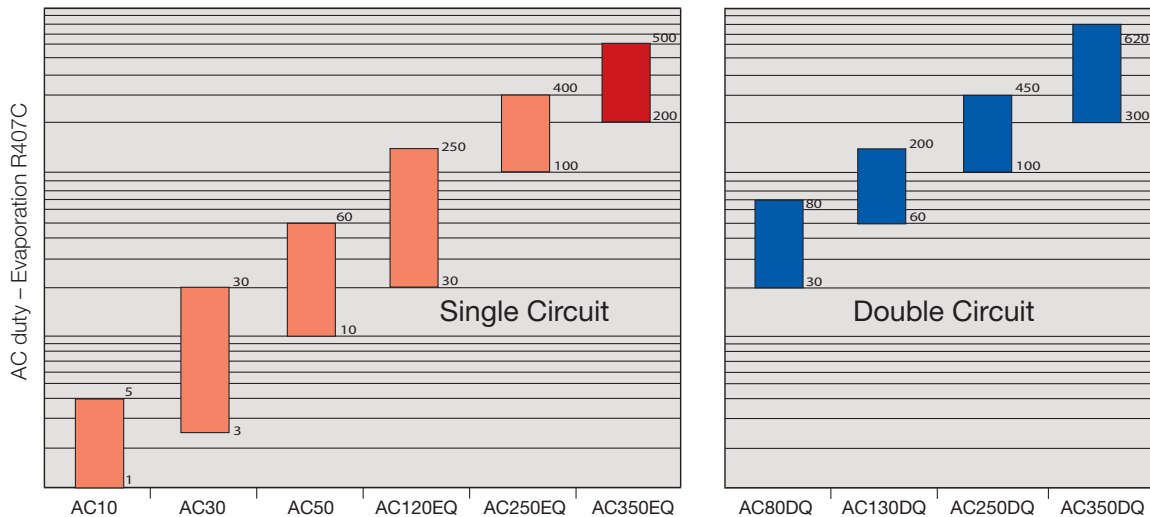
Dimensions

$A = 13 + n \times 2.82$ (mm)
$A = 0.51 + n \times 0.11$ (in)
Weight = $13 + 0.84 \times n$ (kg)
Weight = $28.66 + 1.85 \times n$ (lb)
n = number of plates

Standard connections

Water/Brine side	3" Victaulic
Refrigerant side (Ref. in)	1"3/8 in S3
Refrigerant side (Ref. out)	3"1/8, 2"5/8 in S4

Alfa Laval brazed plate heat exchanger range



How to contact Alfa Laval

Up-to-date Alfa Laval contact details for all countries are always available on our website at www.alfalaval.com