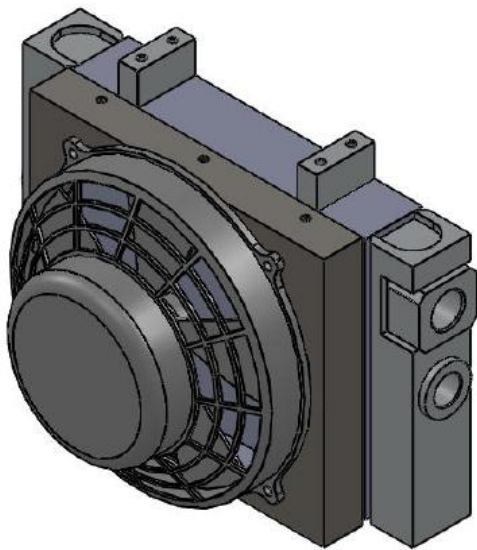


AmberLine Hydraulics

Охладители



IOW Bulgaria Ltd.

Smrekata 3, German, 1186 Sofia

Tel. +359 2 9928443; fax +359 2 9928447

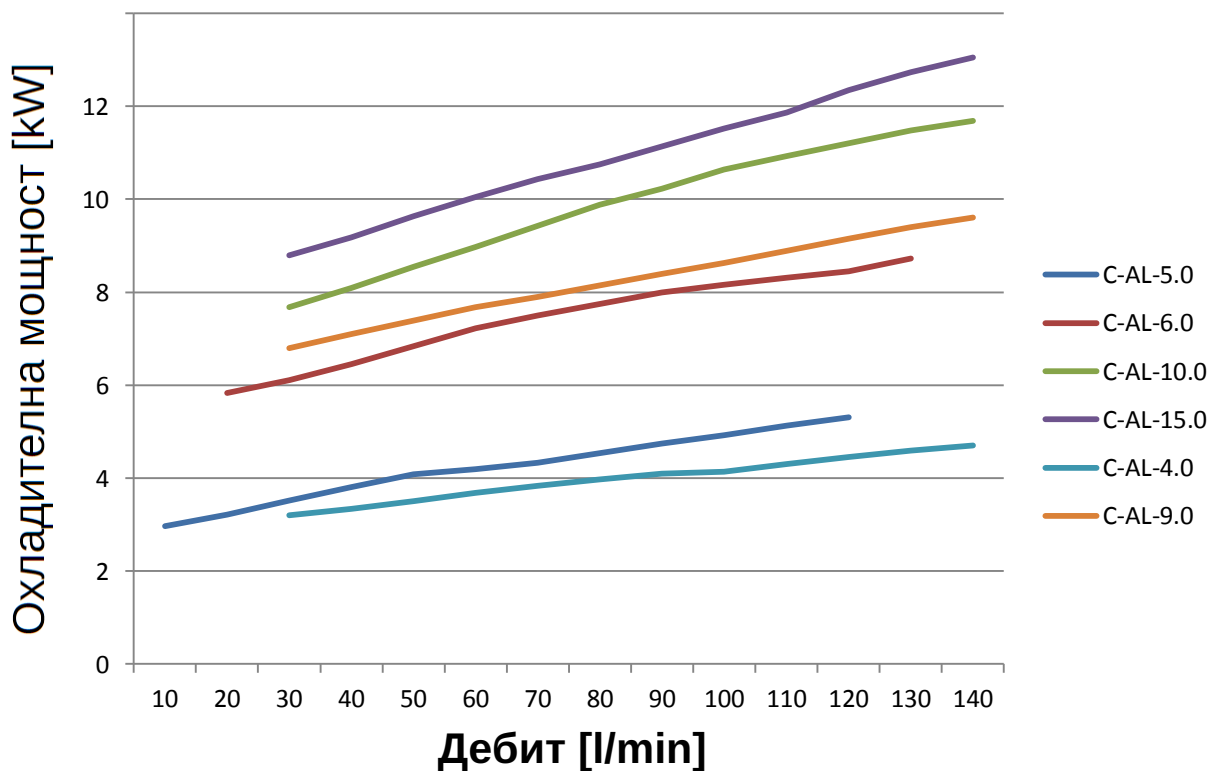
iow@iow.bg www.iow.bg

Информация

Серията Amberline охладители се състои от различни модели за мобилни и стационарни приложения. Тази линия продукти обхваща универсални цялостни охлаждателни системи, които отговарят на европейски и американски стандарти. Подходящи са за нормални и тежки условия на работа. Вентилаторите се захранват от електромотори с постоянно или променливо напрежение, както и с хидравлични мотори. Охладителните тела са изработени от алуминий и са защитени със допълнителен слой боя. Приложими са за тежка механизация, минни машини, агромашини и стационарни системи (напр. хидравлични преси, компресори и тн.). Серията включва 6 модела:

- C-AL-4.0
- C-AL-5.0
- C-AL-6.0
- C-AL-9.0
- C-AL-10.0
- C-AL-15.0

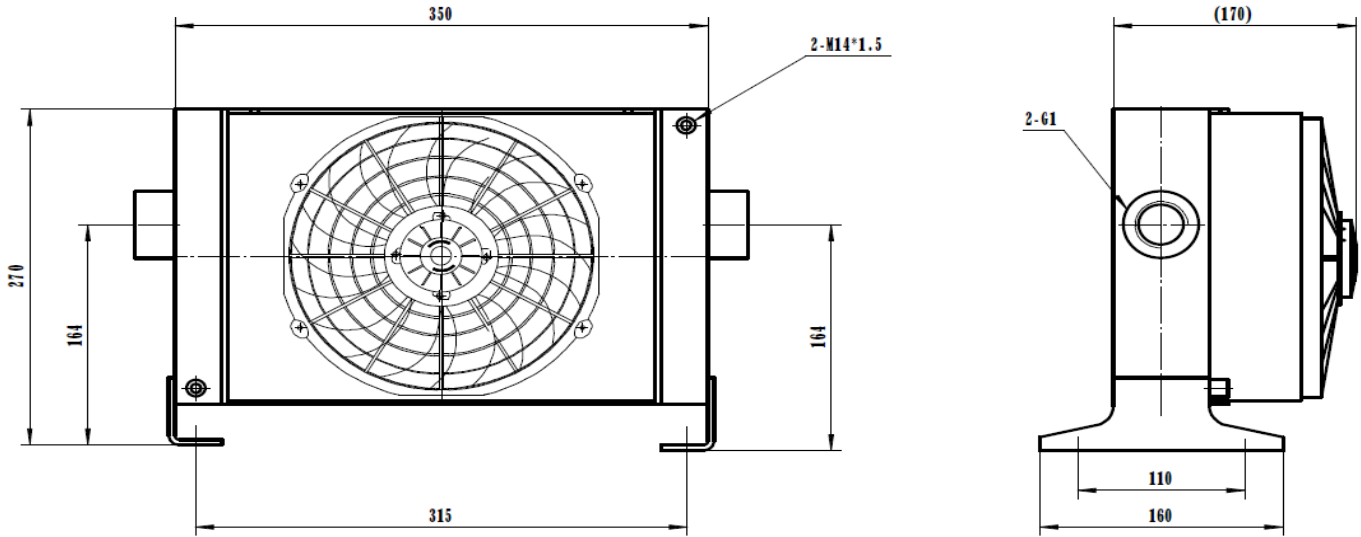
Диаграма на охлаждаща мощност
За разлика във входящата температура в размер на 30°C



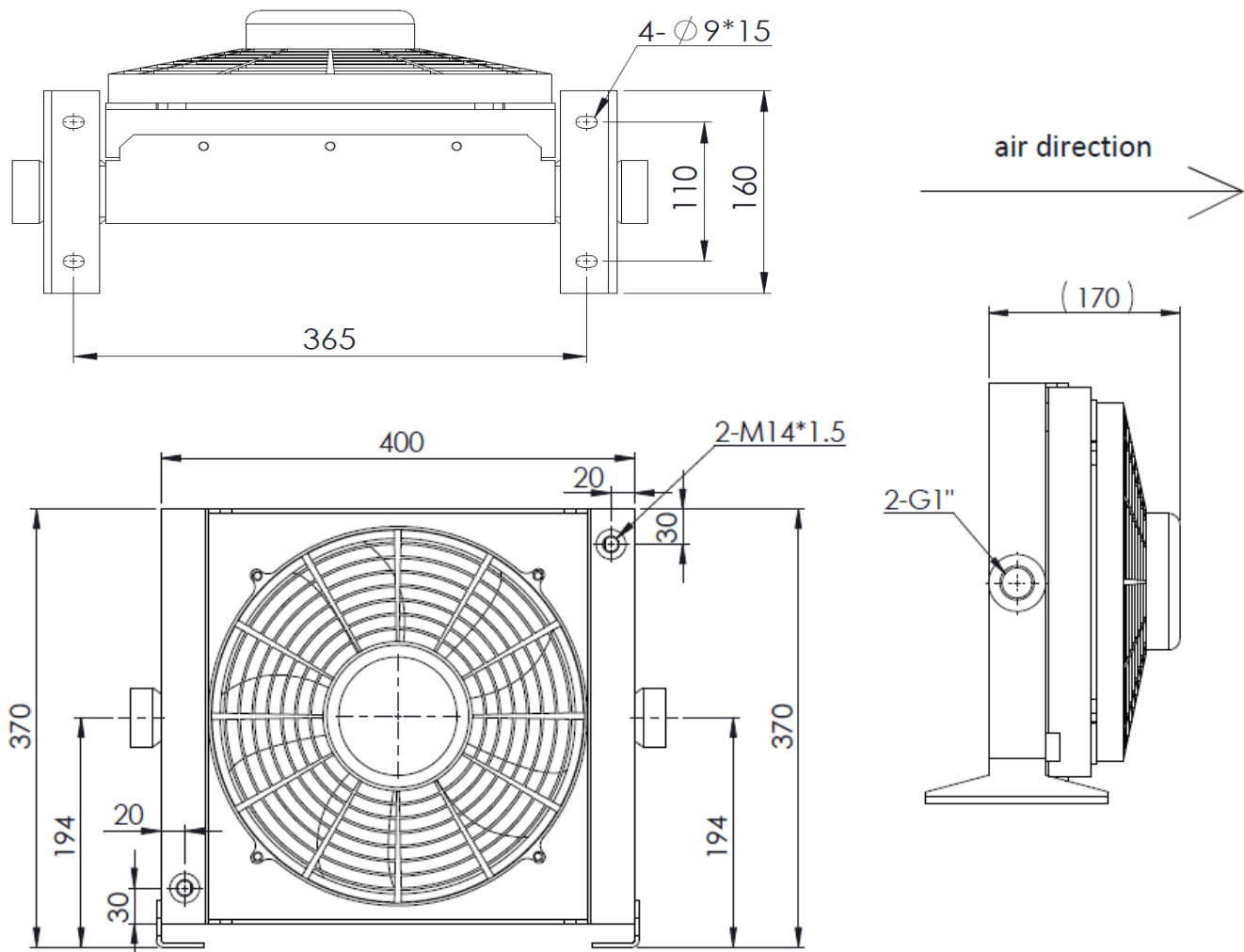
Selection by Specific Heat Rejection

1. Input Data:		
Required Heat Rejection	P =	Example 30 kW
Oilflow through Cooler	V =	150 l/min
Oil Inlet Temperature	T _{Oil}	70 °C
Cooling Airflow Temperature	T _{CAF}	30 °C
2. Determination of Specific Heat Rejection:		
Entering-Temperature-Difference	ETD =	70 °C - 30 °C = 40 K
Required Specific Heat Rejection	P/ETD	30 kW/40 K = 0,75 kW/K
3. Select According to Diagram and Result:		
		Next higher curve D 35

C-AL-4.0



C-AL-9.0



Технически характеристики

Данни за радиационната маса

Материал	Aluminium
Номинално налягане	25 bar
Тестово налягане	35 bar
Макс. температура	120°C

Съвместимост с течности

Минерални масла- hl, hlp, водно-маслена емулсия.

Инсталация

Препоръчваме инсталирането на байпас клапан в паралелна връзка с охладителя, за да го предпази по време на стартирането.

Уверете се, че няма пречки на въздушния поток.

Поддръжка

Почистване на маслената част

Промиването с почистващ препарат или обезмасляващ продукт, съвместим с алуминий, елиминира замърсяването. За да премахнете остатъчните замърсявания, използвайте сгъстен въздух.

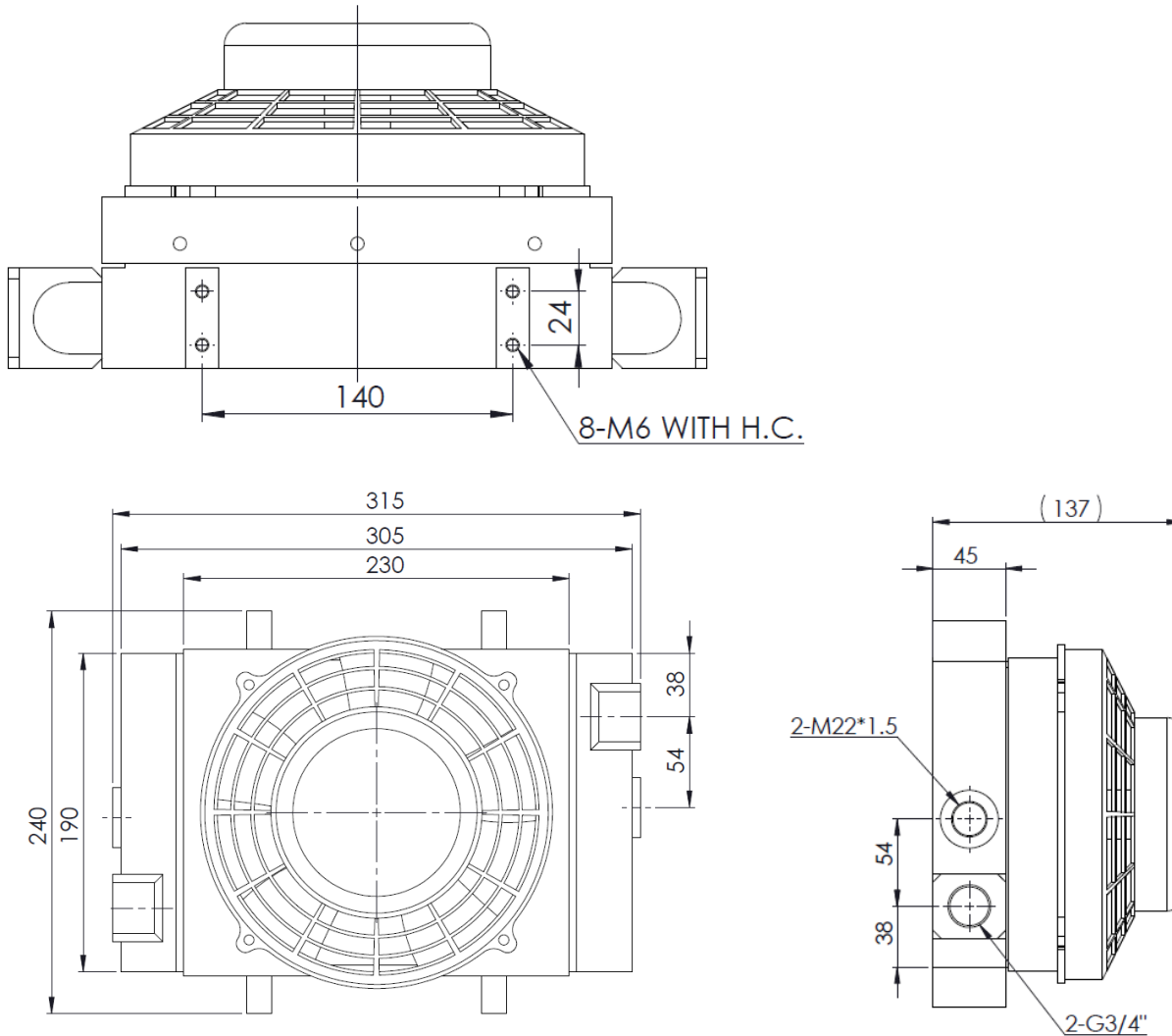
Почистване на въздушната част

Може да се използва сгъстен въздух или вода, като се внимава да не се наранят ламелите.

За премахването на масло или грес използвайте струя пара или гореща вода.

Уверете се че електромотора е изключен и добре защитен.

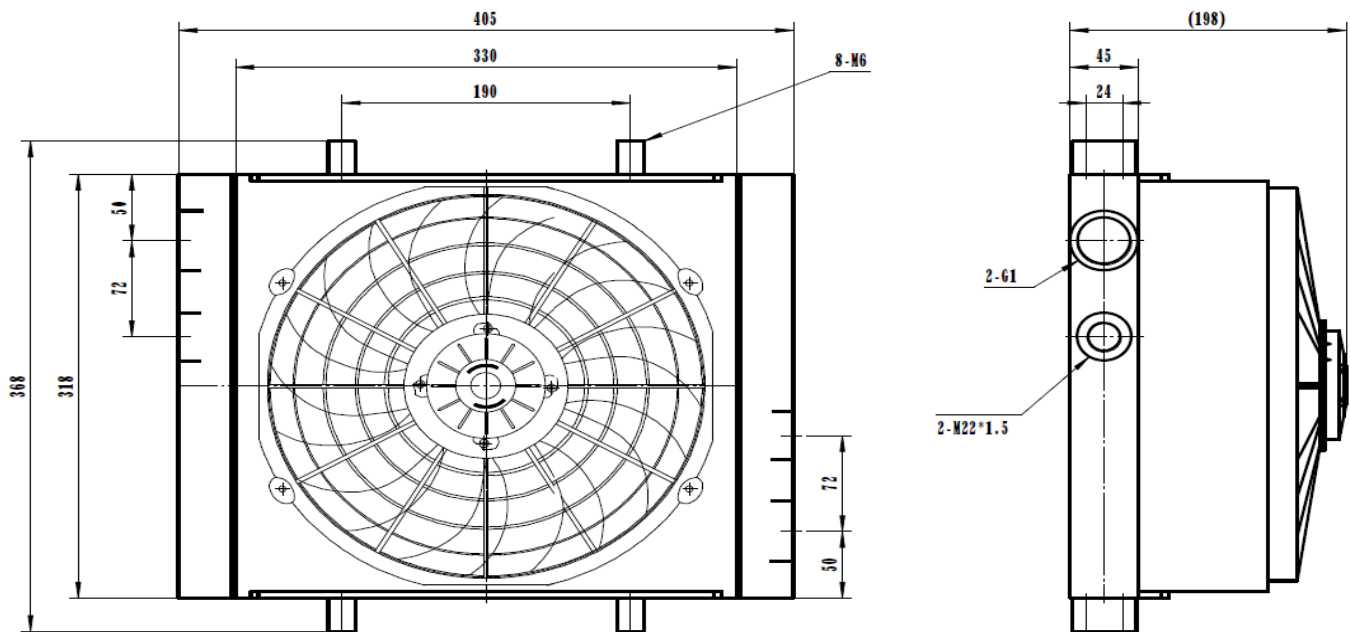
C-AL-5.0



Technical specification:

1. The cooler should be design, manufacturing & testing according to the standard <<NB/T47006-2009>> & the confirmed drawing by customer;
2. Shaping the core before assembling and welding, chamfering the welding place (4x45°), diagonal errors≤2mm, warping errors≤0.5mm;
3. Welding seam should be smooth & straight, no defect, penetration bead, after welding, should pledge the perpendicularity;
4. Shaping again before pressure test, diagonal errors≤2mm, warping errors≤0.5mm;
5. Air leakage test pressure 35 Bar for 5minutes in water; should there be not any leakage for cooler;
6. After test clean the inner and outer channels using compress air until no water residual;
7. All drillings closed with plastic stoppers; threads with finish cut and planed; adjust the shape of outside fin; paint RAL9005.
8. electronic fan; voltage: 12VDC/24VDC.

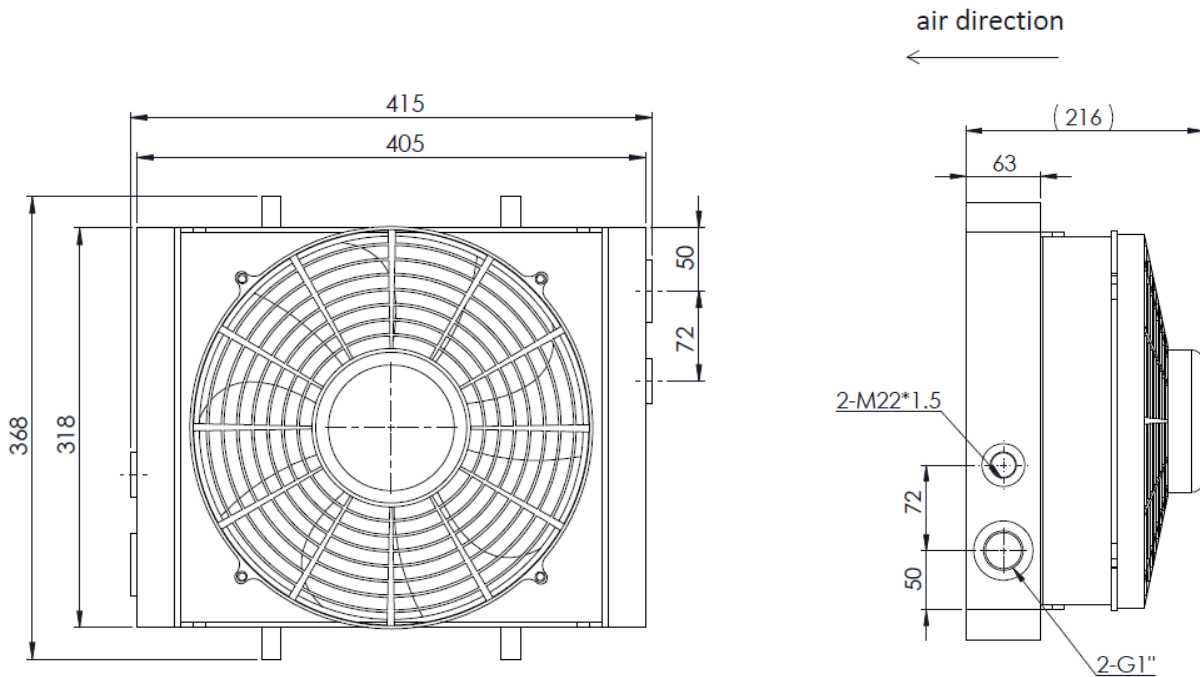
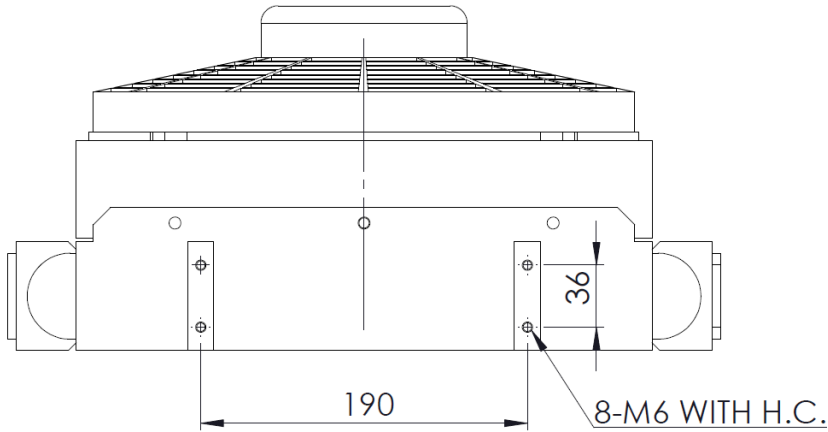
C-AL-6.0



Technical specification:

1. The cooler should be design, manufacturing & testing according to the standard <<NB/T47006-2009>> & the confirmed drawing by customer;
2. Shaping the core before assembling and welding, chamfering the welding place (4x45 °), diagonal errors≤2mm, warping errors≤0.5mm;
3. Welding seam should be smooth & straight, no defect, penetration bead, after welding, should pledge the perpendicularity;
4. Shaping again before pressure test, diagonal errors≤2mm, warping errors≤0.5mm;
5. Air leakage test pressure 3 Bar for 5minutes in water; should there be not any leakage for cooler;
6. After test clean the inner and outer channels using compress air until no water residual;
7. All drillings closed with plastic stoppers; threads with finish cut and planed; adjust the shape of outside fin; paint RAL9005.

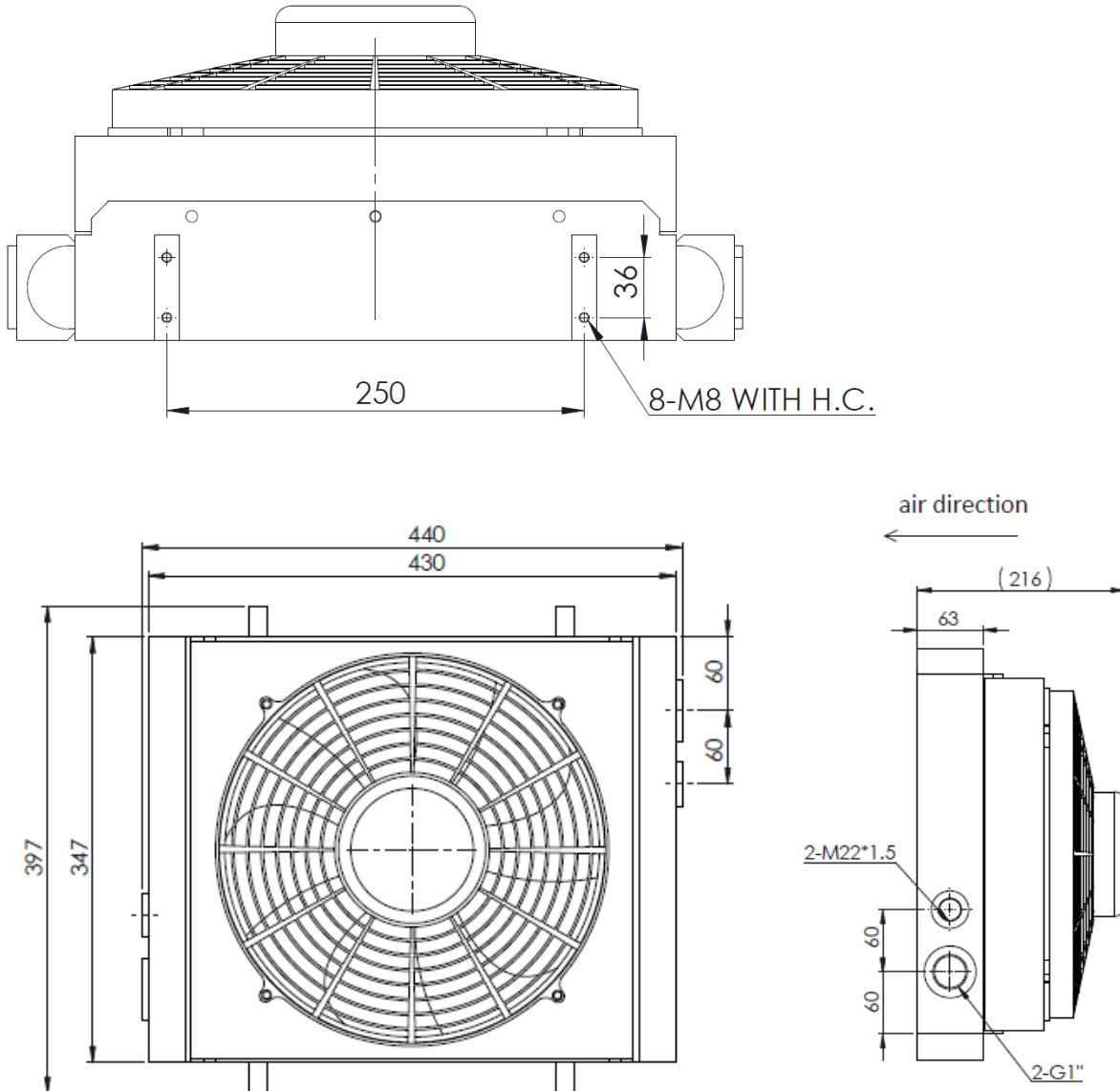
C-AL-10.0



Technical specification:

1. The cooler should be design, manufacturing & testing according to the standard <<NB/T47006-2009>> & the confirmed drawing by customer;
2. Shaping the core before assembling and welding, chamfering the welding place (4x45°), diagonal errors ≤ 2mm, warping errors ≤ 0.5mm;
3. Welding seam should be smooth & straight, no defect, penetration bead, after welding, should pledge the perpendicularity;
4. Shaping again before pressure test, diagonal errors ≤ 2mm, warping error ≤ 0.5mm;
5. Air leakage test pressure 35 Bar for 5 minutes in water; should there be not any leakage for cooler;
6. After test clean the inner and outer channels using compress air until no water residual;
7. All drillings closed with plastic stoppers; threads with finish cut and planed; adjust the shape of outside fin; paint RAL9005.
8. electronic fan: voltage: 12VDC/24VDC.

C-AL-15.0



Technical specification:

1. The cooler should be design, manufacturing & testing according to the standard <<NB/T47006-2009>> & the confirmed drawing by customer;
2. Shaping the core before assembling and welding, chamfering the welding place (4x45°), diagonal error ≤ 2mm, warping error ≤ 0.5mm;
3. Welding seam should be smooth & straight, no defect, penetration bead, after welding, should pledge the perpendicularity;
4. Shaping again before pressure test, diagonal error ≤ 2mm, warping error ≤ 0.5mm;
5. Air leakage test pressure 35 Bar for 5minutes in water; should there be not any leakage for cooler;
6. After test clean the inner and outer channels using compress air until no water residual;
7. All drillings closed with plastic stoppers; threads with finish cut and planed; adjust the shape of outside fin; paint RAL9005.
8. electronic fan; voltage: 12VDC/24VDC.