AKG CD1-143 case-drain oil cooler

Manufacturer: AKG

Manufacturer part number / published order designation: CD1-143

Published model: CD1-143

About this compilation

Prepared by Hydmaster from selected manufacturer documentation. Original technical pages follow without cropped drawings, rewritten data or altered units. This cover and index are Hydmaster editorial material, not a manufacturer-issued exact-execution datasheet.

Coverage: selected pages relevant to the identified size and configuration. Other options or neighbouring models retained on an original page apply only where explicitly identified.

Execution notes and conditions

Performance is motor-dependent; the drawing illustrates series construction rather than an exact motor-equipped delivery.

Motor frame suffix is explicitly published; no optional AD NPT adapter inferred.

Shared dimensional rows are retained as printed, not substituted from another frame row.

Source-page index

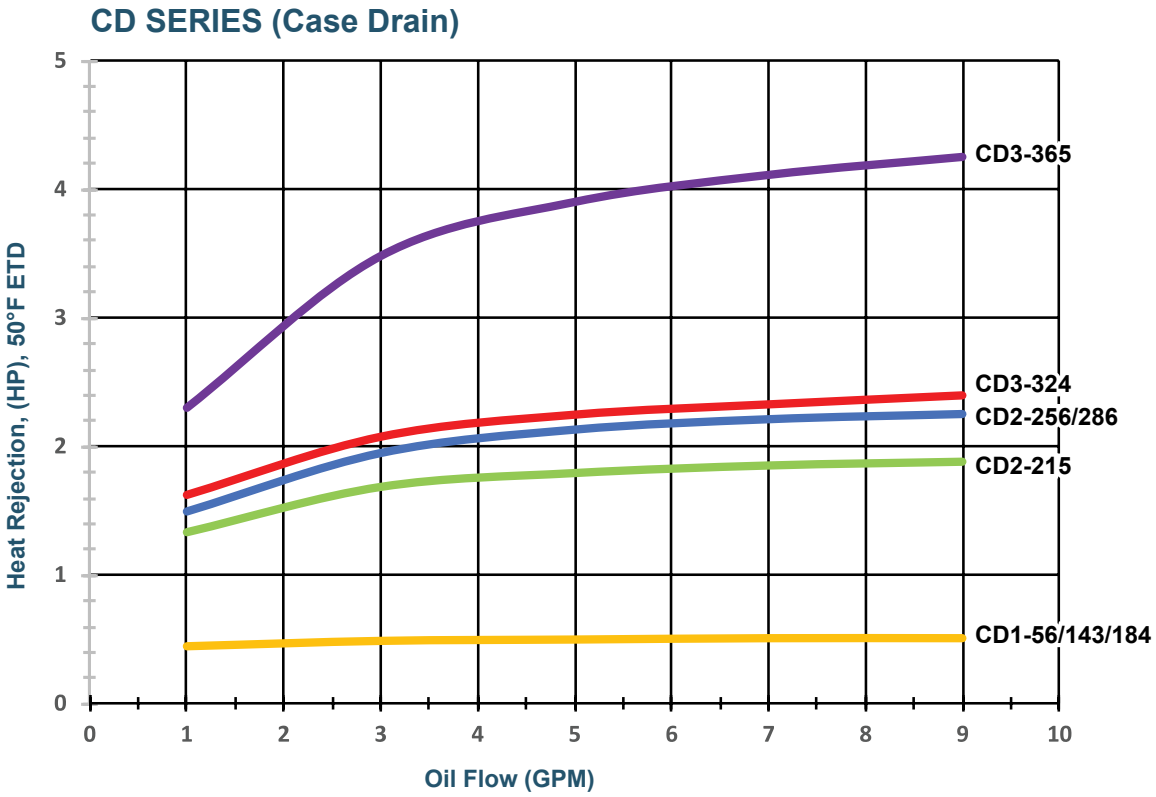
Source page numbers below are physical pages of each complete original PDF. The original printed page labels and technical content remain unchanged. Compiled page numbers count this cover/index.

Source A: Akg Cd Series Case Drain Oil Coolers

Original pages	Compiled pages	Relevant content
2-3	2-3	Exact CD1-143 external airflow row and corresponding performance curve (shared curve where explicitly labelled). Conditions include 50 F ETD, typical 1800 rpm TEFC motor, viscosity and pressure-drop notes.; Applicable dimensional row CD1-56/143/184, dimensioned drawing, aluminium cooler/steel shroud, 232 psi/250 F limits, SAE ORB oil/vent ports, mounting requirements and C dimension tolerance.

CD SERIES CASE DRAIN COOLERS

PRODUCTS PERFORMANCE



Model	External Air Flow (cfm)
CD1-56	35
CD1-143	34
CD1-184	35
CD2-215	50
CD2-256	199
CD2-286	216
CD3-324	165
CD3-365	400

Pressure drop with 50 SUS oil at 10 gpm is less than 5 psig, 1-2 psi with typical case drain flow of 2-3 gpm. Performance based on typical 1800 rpm TEFC motor and it may vary in the field depending upon motor manufacturer, speed and hp.

PRODUCT HIGHLIGHTS

AKG Thermal Systems can match or out perform competitors with similar product offerings.



Standard Delivery in 1-2 weeks

Durable

No Questions ask Warranty Policy*

American Made

A CooL-Line Selection Software, which is available free of charge will guide you through the cooler model selection process in simple steps and will recommend the optimal AKG cooling package for your application: www.akgts.com

CD SERIES CASE DRAIN COOLERS

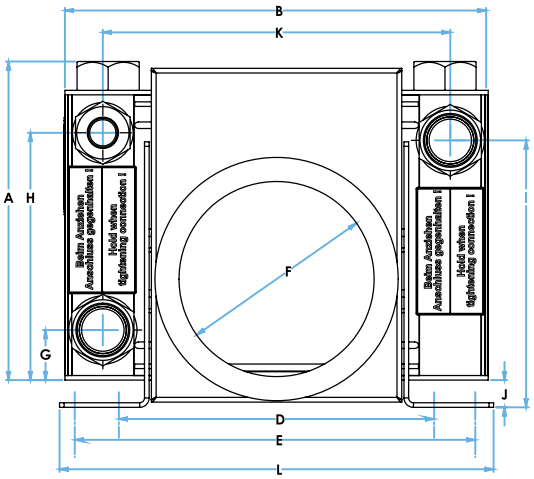
The AKG CD series is designed to fit behind TEFC motors to provide cooling for pump case drain lines. The adjustable feet and multiple motor plate options allow for easy installation. AKG tube fin design offers state of the art fin technology for effective cooling.

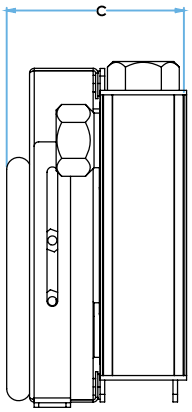


SPECIFICATION	
Maximum Working Pressure	232 psi
Maximum Working Temperature	250 °F

MATERIALS	
Cooler	Aluminum
Shroud	Steel







CD SERIES DIMENSIONS

Model	A	B	C	D	E	F	G	H	I	J	K	L	Volume (gal.)	Dry Weight (lbs.)
CD1-56/143/184	8.3	11.0	4.6	8.5	10.5	5.7	1.3	6.4	6.9	0.7	9.0	11.3	0.26	4.5
CD2-215	11.7	14.9	5.4	13.6	15.5	9.1	3.9	9.8	10.3	0.6	13.0	16.7	0.62	8.5
CD2-256/286	11.7	14.9	5.4	13.6	15.5	8.7	3.9	9.8	10.4	0.7	13.0	16.7	0.62	8.5
CD3-324/365	15.7	18.9	5.4	19.4	19.4	12.1	3.9	13.9	14.3	0.7	16.9	20.6	0.67	12.0

All dimensions are in inches
Inlet/Outlet Ports SAE-16 ORB 1-5/16-12-UN-2B Threads (4X)
Vent Port SAE-8 ORB 3/4-16 UNF (1X)
Mounting Hole Diameter 9mm (4X)

C* Dimension +/- 1.0“ inch
Use of a backup wrench is strongly recommended
Hold fitting when tightening the hose connection

ORDERING INFORMATION

MODEL CODE: — MOTOR FRAME: — FEATURE OPTIONS:

CD1
CD2
CD3

56 / 143 / 184
215 or 256 / 286
324 / 365

AD = NPT adapters

ORDER EXAMPLE: CD2-256-AD

A CooL-Line Selection Software, which is available free of charge will guide you through the cooler model selection process in simple steps and will recommend the optimal AKG cooling package for your application: www.akgts.com