



HYD RANGE AIR BLOWN OIL COOLERS



A Leading Manufacturer in Heat Transfer Technology



A Cool Solution Every Time....

GDM's hydraulic range of air blown oil coolers (GDHY) are fitted with a simple 2 port aluminium motor as standard, with the outlet returning to the tank unrestricted. The Hydraulic motors are selected to minimise loss of power so the flow and pressure can be drawn from the main power line. Other motor options can be manufactured including ATEX and Cast iron versions.

Note:

All dimensions are in Millimetres and are for reference only and drawings should be obtained for installation purposes. Certified Dim, Drgs, are available if required. Technical information sheets are sent with each cooler, or earlier if requested. We reserve the right to change details with out prior notice.

NOTES ON AIR FLOW

Air flow direction is generally pushing (type "A") from fan, through radiator. Pulling (type "B") versions are available. If critical please consult GDM (Heat Transfer) Ltd.

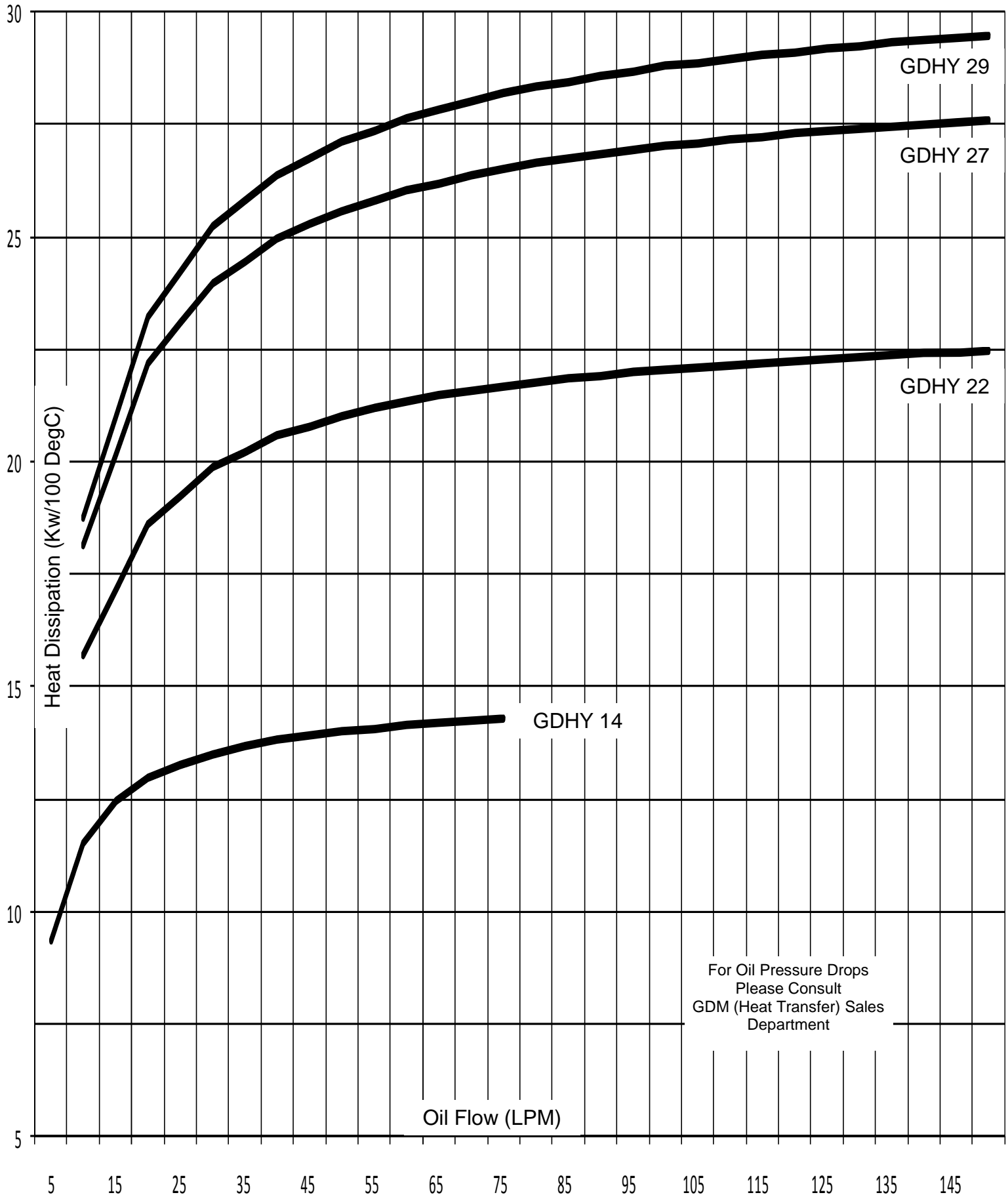
CAUTION - NOISE DATA

The noise values are given by the fan manufacturers in dBa and apply to 'free field' conditions. In practice different conditions lead to sound reflection reverberation and resonance, dependent on insulation details. The resulting actual noise levels can be in excess of the nominal figure shown.

Please note: Fan powers and amps are for guidance only:

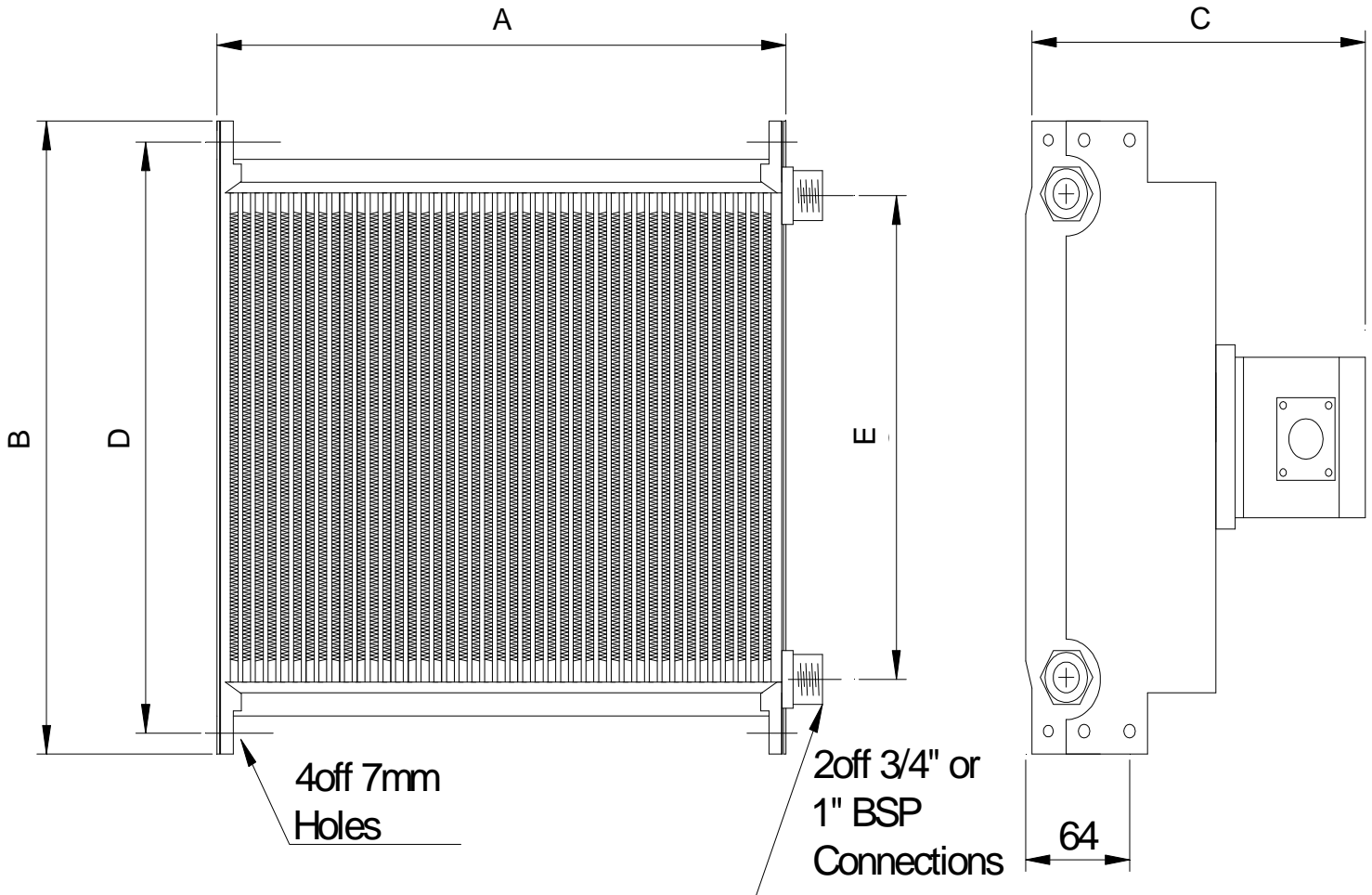
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Cooler size	Cooling at 100°C ΔT KW	Radiator Pressure Rating	Noise level dBA x 1 MTR	Radiator Ports Sizes	Max Oil Flow Rate LPM	Hyd Motor Flow LPM #	Hyd Motor Pressure BAR #	Approx KG (dry)
GDHY 14	14	7 Bar	68	¾" Bsp	75	10	34	5.0
GDHY 22	22	7 Bar	72	¾" Bsp	150	10	34	5.0
GDHY 27	27	7 Bar	72	¾" Bsp	150	10	34	6.0
GDHY 29	29	7 Bar	79	¾" Bsp	150	10	34	7.5
GDHY 31	31	20 Bar	79	½" Bsp	130	10	34	
GDHY 39	39	20 Bar	79	½" Bsp	150	10	34	
GDHY 48	48	20 Bar	81	½" Bsp	150	10	60	
GDHY 57	57	20 Bar	81	¾" Bsp	230	10	60	
GDHY 66	66	20 Bar	81	¾" Bsp	240	10	60	
GDHY 79	79	20 Bar	81	1" Bsp	380	10	60	
GDHY 98	98	20 Bar	83	¾" Bsp	240	20	90	
GDHY 105	105	20 Bar	83	¾" Bsp	190	20	90	
GDHY 124	124	20 Bar	83	1½" Bsp	260	20	90	
GDHY 172	172	20 Bar	83	1½" Bsp	400	20	90	
GDHY 185	185	20 Bar	83	1" Bsp	400	20	90	
GDHY 212	212	20 Bar	86	1" Bsp	400	13	115	
GDHY 272	272	20 Bar	86	2" Bsp	400	13	115	
GDHY 284	284	20 Bar	86	2" Bsp	400	13	115	
GDHY 292	292	20 Bar	86	2" Bsp	400	13	115	



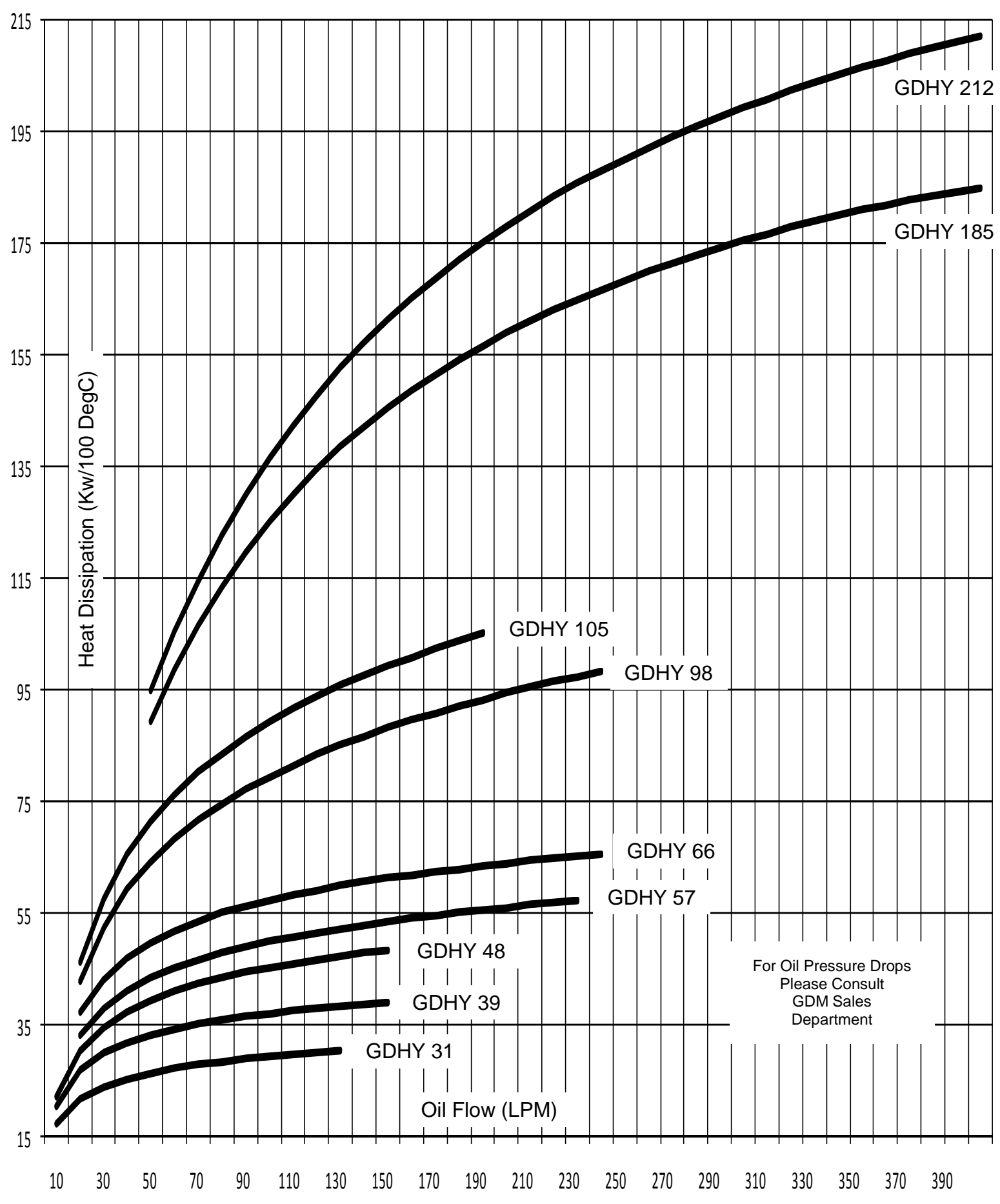
For Oil Pressure Drops
Please Consult
GDM (Heat Transfer) Sales
Department

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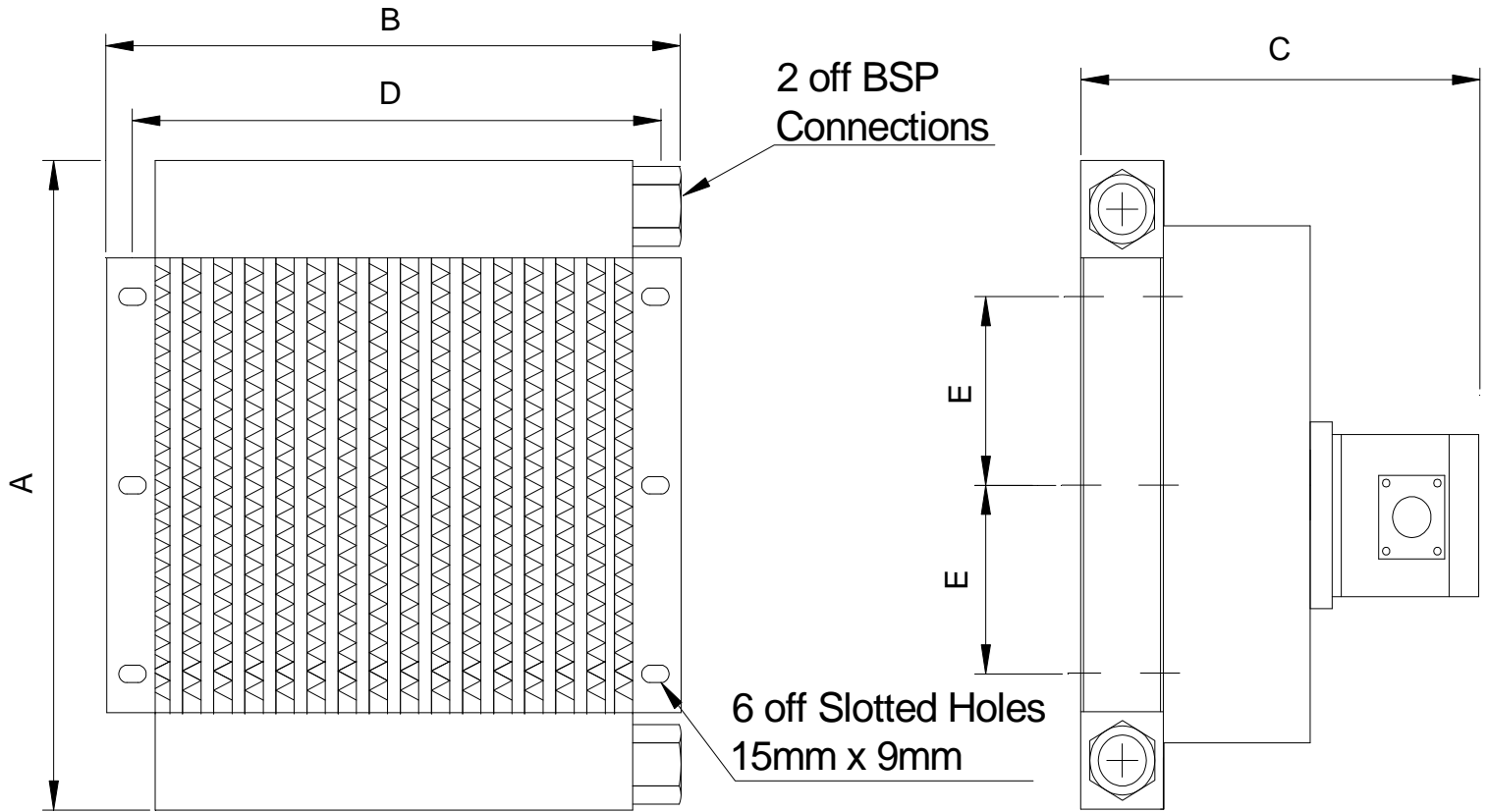
Cooler size
GDHY 14
GDHY 22
GDHY 27
GDHY 29

A	B	C	D	E
205	330	210	308	252
275	330	210	308	252
350	330	210	308	252
350	330	210	318	252

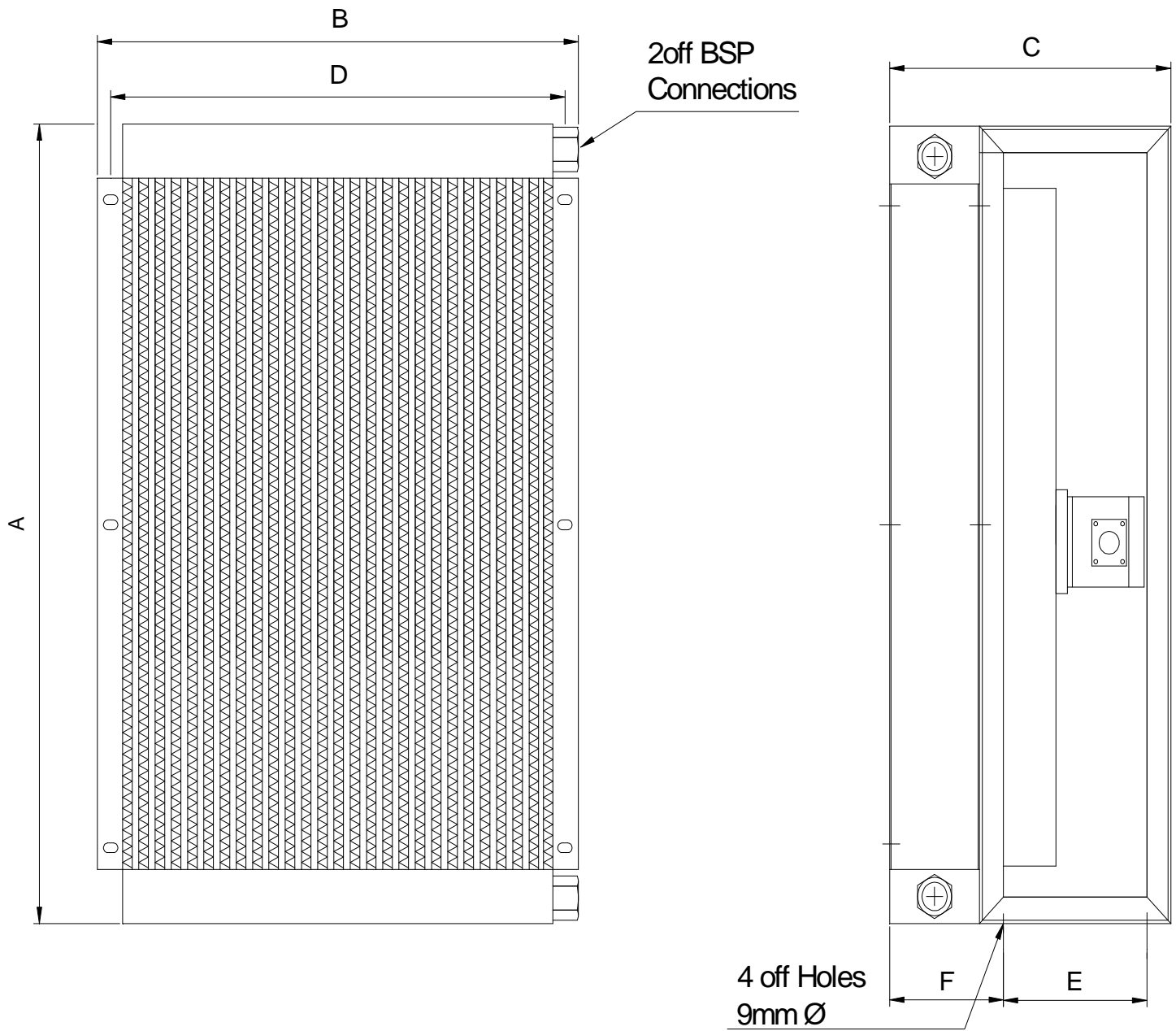


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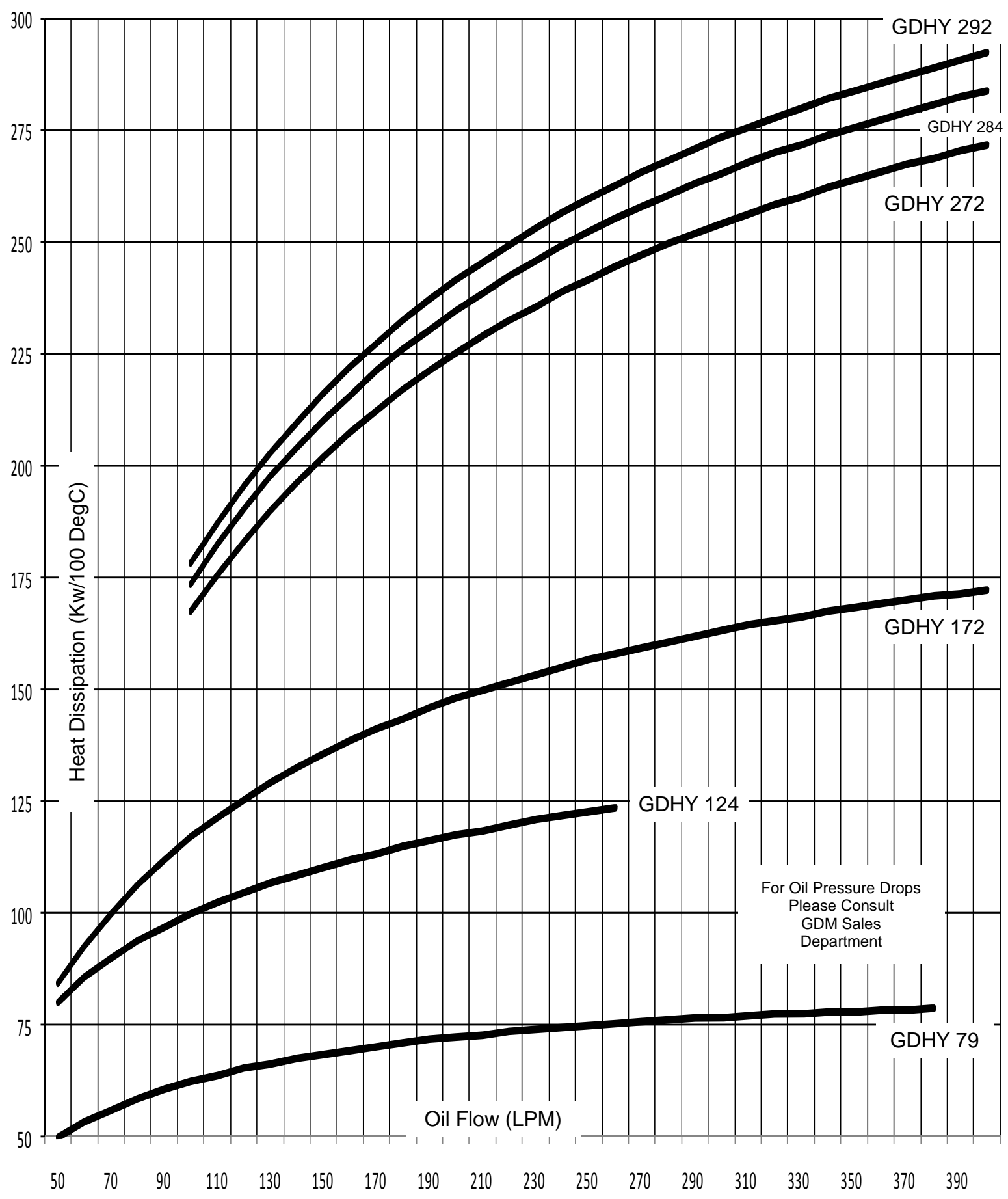
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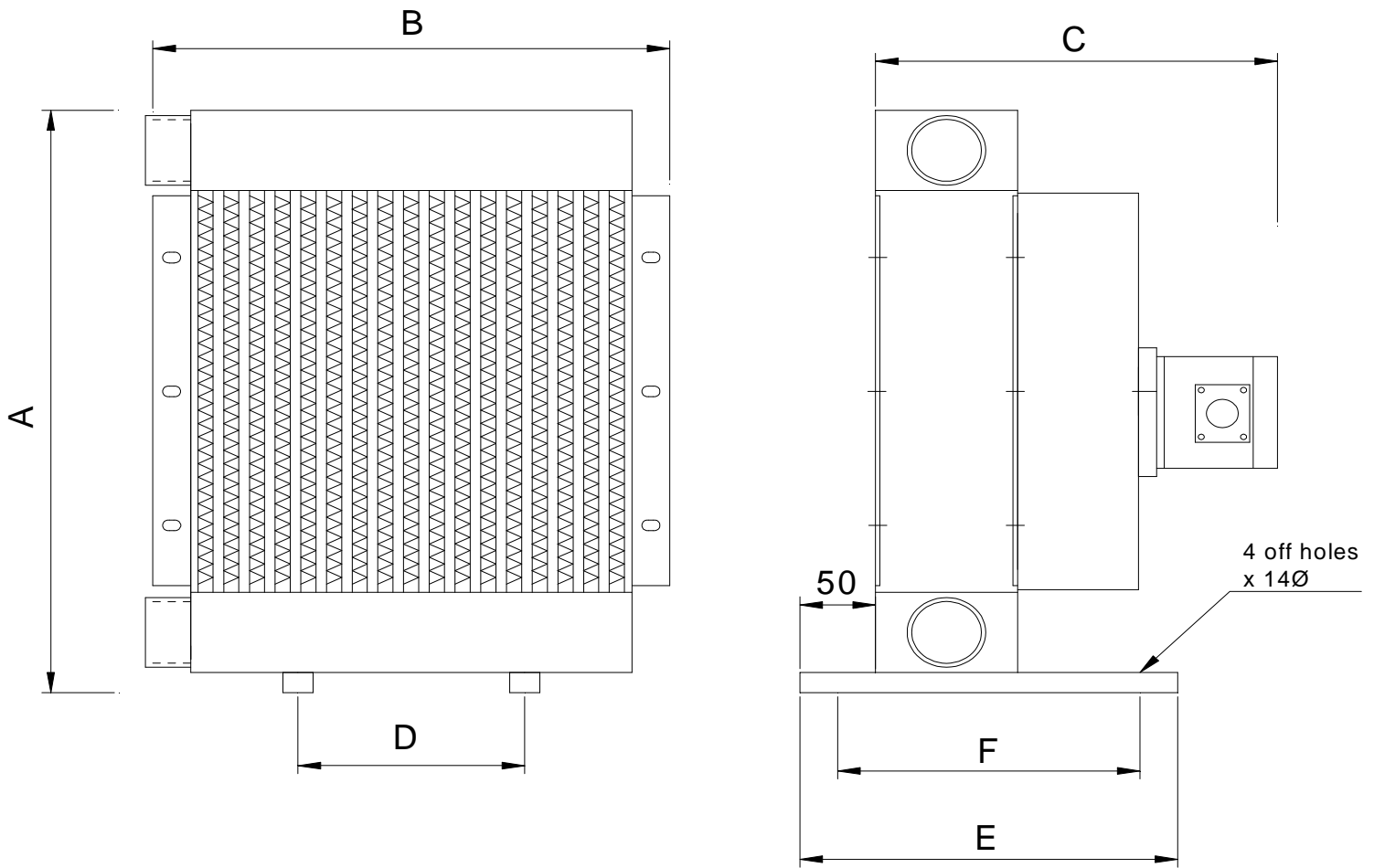
Cooler size	A	B	C	D	E
GDHY 31	444	343	250	318	147
GDHY 39 & 48	494	429	250	404	172
GDHY 57	502	443	250	418	176
GDHY 66 & 98	552	500	250	475	201
GDHY 105	652	486	250	461	251



Cooler size	A	B	C	D	E	F
GDHY 185	747	689	486	664	270	121
GDHY 212	747	689	486	664	270	121



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Cooler size	A	B	C	D	E	F
GDHY 79	540	480	266	200	300	250
GDHY 124	690	652	266	400	300	250
GDHY 172	690	652	266	400	300	250
GDHY 272	960	898	305	500	300	250
GDHY 284	1060	998	305	550	400	350
GDHY 292	1160	1065	305	600	400	350

Also Available From G.D.M (Heat Transfer) Ltd

AIR BLOWN OIL COOLERS

Ranges include Fan Drives with AC motors (Including integral Pumps) DC motors and Hydraulic Motors. Other options (e.g. Air Motors) can be fitted.

AIR BLOWN WATER COOLERS

Copper Tubes/Aluminium Fins as standard. Options include all Stainless construction. Also available Self-contained water recirculators - Fill them up and plug them in.

AIR and GAS COOLERS

For Blowers and Compressors. 'Sour' Biogas - No problem. Water Cooled or Air cooled types Available, in Aluminium, Steel and Stainless Steel.

HEAT EXCHANGERS: For LIQUIDS/GASES/VAPOUR

All types available, such as "Tube-in-Tube" "Plate Type" "Shell & Tube" "Co-Axial" and "Rolled Plate". All available in a wide variety of different materials.

CHILLERS

Oil chillers and Water Chillers, both Air or Water cooled are available. With a wide range of options available including. Heat Recovery, Fine Temperature Control, Remote Control, Alarms and many other options.

COMBINATION SYSTEMS

Air Blown Water Coolers combined with Liquid/Liquid Heat Exchangers and Thermostatic Water Valves for close approach temperatures with out the need for expensive Refrigeration Systems.

THERMOSTATS, CONTROLS & PUMPS

Cooling accessories include Fixed and Variable thermostats. Heaters for oil and water. Fan speed controllers, and a complete range of pumps for all types of fluids.

TEST AND REPAIR

All coolers can be hydraulically tested with the possibility of repair. Cleaning and flushing is also available on the premises.

SPECIAL COOLING SYSTEMS

Design, Development and Manufacture of Specialised cooling Systems. From one off to Series Production.

INTERCALLARY OIL RADIATORS

Lightweight, high performance, all aluminium oil radiators. Made from Pressed Plates and interspaced with corrugated fins.

OIL COOLERS

With a diverse range of materials available (Aluminium, Stainless Steel and Copper amongst others). G.D.M can serve most oil cooling requirements and environments. One off special designs are available with also the flexibility to allow series production.

WATER COILS

Standard units are copper tubes with aluminium fins. Options include all Stainless construction

INTERCOOLERS

High quality intercoolers with heavy gauge tube construction. All makes and models with the most popular models held in stock.

CHARGE AIR COOLER

Bespoke charge air coolers can be designed and manufactured thanks to the expertise of our resident engineers and R&D Department.

RECORES

Some coolers can be utilised and recored. A new core matrix coincided with the use of existing header tanks and sides can prove to be very cost effective and reduce down time dramatically.

BARRIER COOLERS

Provide a clean flow of temperature controlled cooling water to a wide variety of equipment. Units include a Liquid/Liquid heat exchanger, Pump and Tank. With a wide range of options to meet your ideal cooling requirements.



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