

## Integrated Drive Systems, LLC

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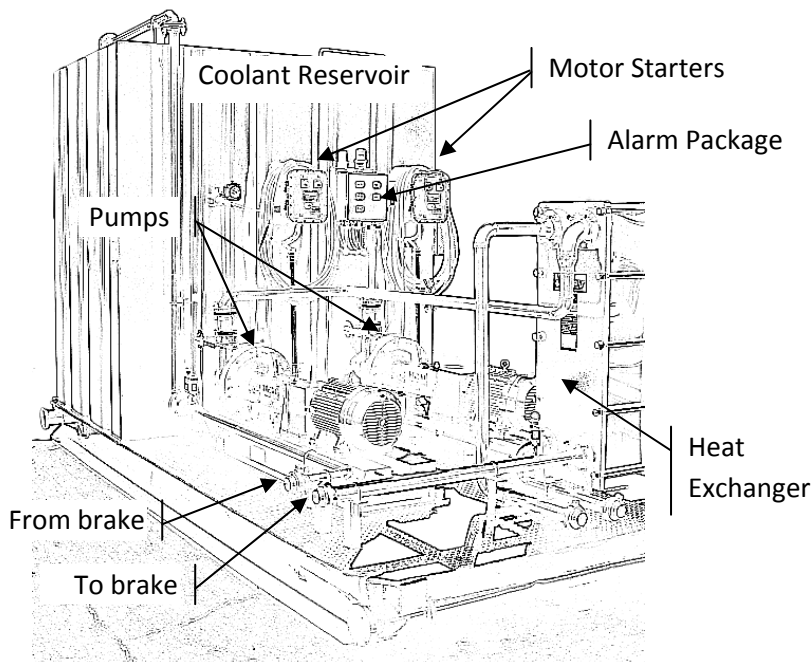
# Brake Cooling Packages

Integrated Drive Systems offers two styles of cooling packages:

- Radiator style, and
- Heat Exchanger style.

The closed-loop design of an IDS cooling package provides the following benefits:

- corrosion protection\*,
- freeze protection\*,
- contaminant protection, and
- engineered to match your cooling requirements.



The IDS cooling package is skid-mounted with an epoxy-coated, 50bbl coolant reservoir, sight glass, vent, ladder, redundant centrifugal pumps with 460v, 3 $\phi$ , 60hz, AC motors, single stainless, plate-type heat exchanger or (optional radiator) valves & plumbing, NEMA-4 motor starters, and alarm package.

The typical alarm package includes:

- Alarm Lamp Pressure Loss
- Alarm Lamp Over Temperature
- Alarm Lamp Reservoir Low Level
- Alarm Strobe
- Alarm Horn
- Reset/Alarm Ack. Push Button
- Lamp Test Push Button
- Remote XP Station  
(to mount in driller's area) with
- Alarm Lamp
- Reset/Alarm Acknowledge Push Button

Cooling packages are rated for 40°C maximum operating temperature, de-rated up to 50°C. Minimum temperatures are limited to the freezing point of the cooling mixture.

Standard models available:

<u>Model</u>	<u>GPM</u>	<u>Type</u>	<u>Recommended for Wichita Brake Size</u>	<u>List Price</u>
CPS170D50X075A	170	Heat Exchanger <sup>1</sup>	324	\$58,750
CPS170D50RD24A	170	Radiator <sup>2</sup>	324	\$73,438
CPS240D50X086A	240	Heat Exchanger <sup>1</sup>	236	\$66,094
CPS240D50RD30A	240	Radiator <sup>2</sup>	236	\$82,618
CPS360D50X096A	360	Heat Exchanger <sup>1</sup>	336	\$74,355
CPS360D50RD36A	360	Radiator <sup>2</sup>	336	\$92,944
CPS480D50X120A	480	Heat Exchanger <sup>1</sup>	436	\$83,650
CPS480D50RD48A	480	Radiator <sup>2</sup>	436	\$104,563

<sup>1</sup> Heat exchanger-style units MUST have adequate secondary water flow to drill water tank or other large body of water to dissipate the heat generated by the load.

<sup>2</sup> Radiator-style units must be de-rated over 40°C ambient temperatures.

Specifications are subject to change without notice. Special sizes and/or configurations are available upon request. Consult IDS for inclusion of band brake cooling.

☞ IDS offers alarm packages and installation services for your existing cooling system. Call or email IDS-Houston at 713-462-1400 or sales@drivesystems.net for more information.