R.W. Fernstrum & Company 1716 11th Avenue Menominee MI 49858 Phone: 906-863-5553

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## BAY DIESEL CORP SPIRIT OF WASHINGTON

Date: 08/27/19

Rec #: BN082719A

QUOTE: 13693

Engine Make	Engine Model	HP & RPM (KW & RPM)	Engine Duty	Sea Water Temperature	Minimum Speed at Full Power	Heat Rejection BTU/MIN	Fresh Water Flow Rate G P M		GRIDCOOLER® Keel Cooler Model	Net Wt. Pounds Each	Fluid Capacity US Gallons Each
JOHN DEERE	6135 AFM85	500 HP 2,000 RPM	PROPULSION	90 °F	0 & <mark>2KNOTS</mark>	k .	w				
	JACKETWATER & GEAR CIRCUIT : Temperature into JW and gear circuit: 170°F						93	1 OR 1	D28135W-Z 0 KNOTS D28135W	633 558	17 17.69
								1	0 KNOTS D2481W-Z	351	9.54
								OR 1	2 KNOTS D2481W 2 KNOTS	313	10.05
JOHN DEERE	6135 AFM85	300 EKW 1,800 RPM	GENERATOR	90 °F	0 KNOTS						
			JACKET	VATER & GEA	AR CIRCUIT :	20,605	85	1 OR	D24147W-Z	548	15.67
Temperature into JW circuit 170° F.								1	D24147W	509	16.18

50% Ethylene glycol included in the cooling system.

Flanged coolers

Recommendations are based on full rated power in still water (0 knot hull speed), but with a thermal or convection current flow past the cooler tubes of 1/2 mile per hour. The keel cooler should be installed so as to permit free circulation of water past the cooler tubes. We do not recommend recessing units on the bottom of a flat bottom boat, unless that section of the hull where the keel cooler is to be mounted is at a minimum of 20 degrees (from forward to aft).

Note: When pressure testing the GRIDCOOLER unit, do not exceed 35 psi, or 2.41 bar.

For more information on the FERNSTRUM® GRIDCOOLER Keel Cooler visit our website at www.fernstrum.com.



