



**DIMENSIONAL TABLE:**

A	B	C	D	E	F	G	H	J	K	L	M
45.00	22.50	15.88	31.75	20.88	22.00	29.62	18.00	13.12	7.88	26.24	14.88

N	P	Q	R	S	T	U	V	W	X	Y	Z
29.75	11.62	36.00	23.24	--	--	2.63	--	1.50	4.00	0.88	--

- All dimensions are in inches
- All dimensions are for new OEM supplied units

**STANDARD INCLUDED OPTIONS:**

a

- Magnetic Pickup and 60-tooth Gear
- Constant Level Oilers

**SPECIFICATIONS**

Model Number	DM8123HS
Construction Type	Wet Gap
Maximum Horsepower	800 Hp
Base Speed	2,700 rpm
Maximum Speed	7,000 rpm
Maximum Torque at Base Speed	1,556 lb ft
Rotor Inertia	37.0 lb ft <sup>2</sup>
Coolant GPM Required @ Max Hp	80.0 gpm
Coolant Inlet PSI (Min/Max)	55-100 psi
Coolant Inlet Temperature (Max)	90°F
Water Inlet Size	1.50 NPT
Water Outlet Size	4.00 NPT
Shipping Weight (estimate)	3000 lbs
Overhung Weight Load @ Max Speed	lbs

**OPTIONS**

Coil Specifications: 90 Volts / 11.1 Amps
Shaft End (Taper or Straight (Key or Keyless))
Load Cell and Linkage
Cooling Safety Package which includes the following:
- Solenoid Valve
- Y-Strainer
- Modulating Valve & Constant Flow Valve
- Water Flow Switch
- Exit Water Temperature Switch
- Water Pressure Switch & Gauge
Calibration Arm and Standard Weight Hanger
Calibration Weights
Shaft Hub
Manual Shaft Lock
Pressurized Re-Circulating Oil System