



Air Drilling Specialties  
 6750 South Hwy 87  
 Duchesne UT 84021  
 Office: 435-738-2517  
 Fax: 435-738-2527  
 Email: [airdrilling@sbt.net](mailto:airdrilling@sbt.net)  
[www.airdrillingspecialties.com](http://www.airdrillingspecialties.com)

## **IR-XHP1170FSCAT Compressor with AFTERCOOLER**

### **ENGINE**

<b>Make</b>	<b>Caterpillar</b>
<b>Model</b>	<b>C-15 (Tier 3 Compliant)</b>
<b># of Cylinders</b>	<b>6</b>
<b>Cylinder Bore (in/mm)</b>	<b>5.4 / 137</b>
<b>Cylinder Stroke (in/mm)</b>	<b>6.5 / 165</b>
<b>Displacement (cu in/l)</b>	<b>893 / 14.6</b>
<b>Rated Speed (rpm)</b>	<b>1800</b>
<b>Idle Speed (rpm)</b>	<b>1350</b>
<b>BHP @ Rated Speed</b>	<b>525</b>
<b>Fuel/Cooling</b>	<b>DIESEL/WATER</b>
<b>Electrical Volts/Batteries, CCA</b>	<b>24 / (2) 1400 CCA</b>
<b>Engine Oil Capacity US Quarts/Liters</b>	<b>40 / 3709</b>
<b>Radiator Coolant Capacity US Gal/Liters</b>	<b>16 / 60.6</b>
<b>Altitude Capability (Feet/Meters)</b>	<b>16000 / 4876</b>
<b>Fuel: GPH/LPH</b>	
<b>75% Load</b>	<b>21.1 / 79.9</b>
<b>100% Load</b>	<b>23 / 87.1</b>

### **COMPRESSOR**

<b>Type</b>	<b>ROTARY SCREW</b>
	<b>TWO STAGE</b>
<b>Free-Air Delivery (cfm/M3min)</b>	<b>1170 / 33.13</b>
<b>Rated Operating Press (psig/bar)</b>	<b>350 / 24.1</b>
<b>Pressure Range (psig/bar)</b>	<b>150 to 375 / 10.3 to 25.9</b>
<b>Air Discharge Outlet Size (in/mm)</b>	<b>3.0/76.2</b>
<b>Air Discharge Outlet Quantity</b>	<b>1</b>
<b>Separator Tank Volume (US Gal/Liters)</b>	<b>92 / 350</b>
<b>Oil Capacity (US Gal/Liters)</b>	<b>62 / 234.7</b>

### **DIMENSIONS WITHOUT RUNNING GEAR**

<b>Overall Length (feet/inches)</b>	<b>17' - 1"</b>
<b>Overall Width (feet/inches)</b>	<b>7' - 11"</b>
<b>Overall Height (feet/inches)</b>	<b>8' - 0"</b>
<b>Weight (lbs.)</b>	<b>16,850 Est.</b>

**\*Approach temperature of compressor equipped with air cooled aftercooler is 25° F over ambient.**

Designs and specifications are subject to change without notice or obligation.