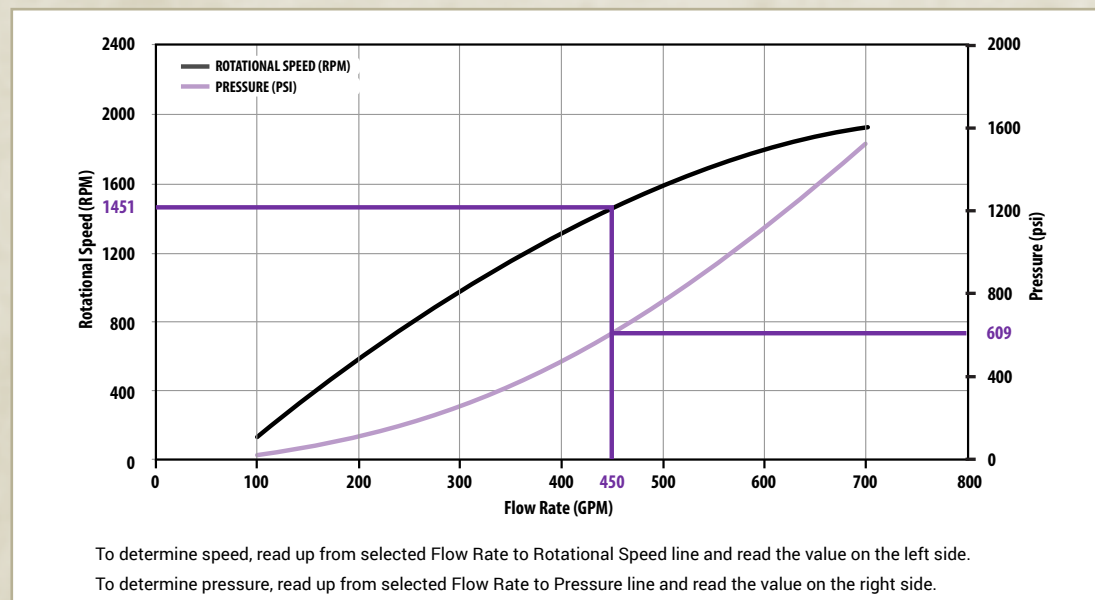


	Imperial	Metric
Overall Length ¹	48.50 in	1232 mm
Maximum Tool Body Diameter	11.250 in	286 mm
Blade / Nominal Diameter ²	11.750 in	299 mm
	12.000 in	305 mm
Maximum Temperature ³	302°F	150°C
Maximum On-Bottom Bearing Load ⁴	157600 lbf	70104 daN
Maximum Off-Bottom Bearing Load ⁴	103300 lbf	45950 daN
Maximum Overpull ⁵	501200 lbf	222945 daN
Nose Total Flow Area	21.99 in ²	14188 mm ²
Minimum Internal Port Size ⁶	0.25 in	6.4 mm
Burst Pressure	4730 psi	32.6 MPa
Collapse Pressure	4730 psi	32.6 MPa
Maximum Drillout ⁷	8.660 in	220.0 mm
Peak Power ⁷	117 HP	87 kW
Top Connection	Blank, VAM, BTC, LTC, or other	
Top Sub Options	Burst Disc available	
Top Sub Length	11.880 in	302 mm
Minimum Recommended Hole Size	12.000 in	305 mm



To determine speed, read up from selected Flow Rate to Rotational Speed line and read the value on the left side.
 To determine pressure, read up from selected Flow Rate to Pressure line and read the value on the right side.

Operational specifications are for reference only. Actual tool performance may vary depending on a variety of downhole conditions. Performance data is subject to change without notice.



¹ - Overall length does not include length of additional top sub required for casing connection.
² - Minimum clearance of 0.25 inches is recommended between blade nominal diameter and hole diameter. Additional blade / gauge configurations are available upon request.
³ - Specified ratings are not applicable at temperatures exceeding this value. Contact IFES for ratings at elevated temperatures.
⁴ - Specified load ratings are based upon onset of bearing damage.
⁵ - Specified load rating is based upon tool separation.
⁶ - Using LCM particles larger than specified minimum internal port size is not recommended and may cause tool plug-off.
⁷ - Maximum drillout is based upon tool internal geometry and may be additionally limited by Top Sub casing connection.
⁸ - Peak power is dependent on a variety of operational parameters and true performance may vary based on downhole conditions.



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