

**Moyno® ERT™  
Power Section**



**475ERT6727**

October 2008

Moyno® Even Rubber Thickness (ERT™) power sections dramatically improve motor ROP by providing over 100% more power to the drill bit than conventional power sections of the same length. High power outputs are achieved by applying an even thickness of rubber to an internally machined, one-piece stator contour.

**Performance Summary**

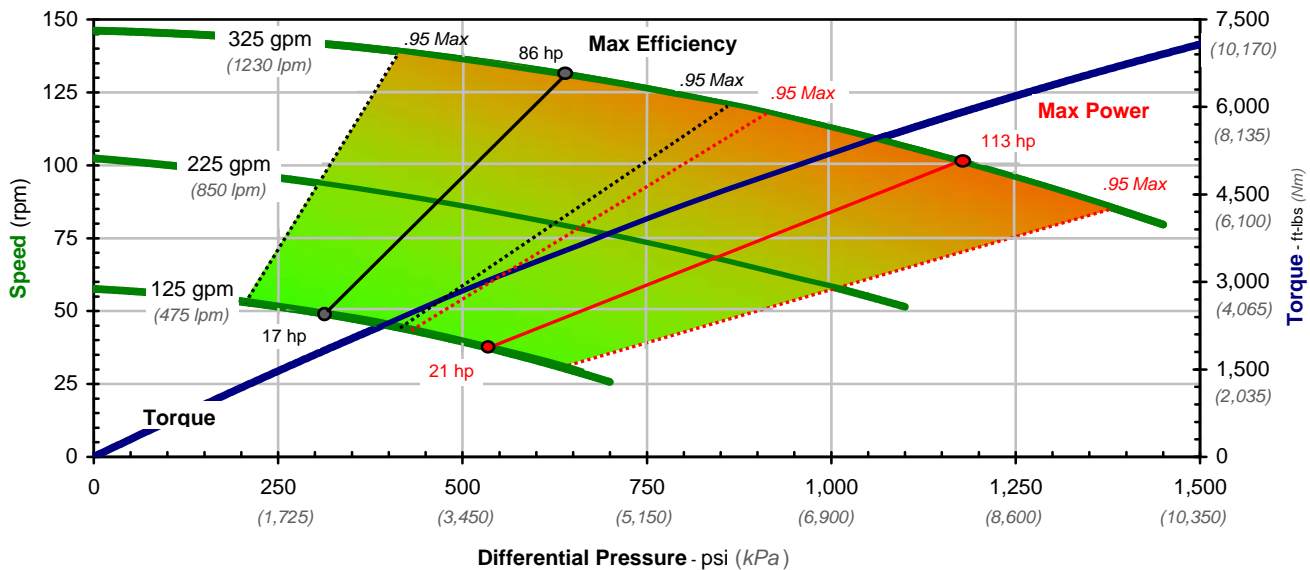
<b>Torque</b>	At max power	<b>5,960 ft-lbs</b>	(8,080 Nm)
	Stall	<b>8,770 ft-lbs</b>	(11,890 Nm)
<b>Power</b>	Max	<b>113 hp</b>	(84 Kw)
<b>Speed</b>	No load	<b>55-145 rpm</b>	-
	Rev/unit volume	<b>0.45 rev/gal</b>	(0.114 rev/liter)
<b>Flow</b>	Range	<b>125-325 gpm</b>	(475-1,230 lpm)
	No load - mid flow	<b>190 psi</b>	(1,310 kPa)
<b>Pressure</b>	At max power	<b>1,190 psi</b>	(8,205 kPa)
	Stall max	<b>2,200 psi</b>	(15,170 kPa)

**SPECIFICATIONS**

	Configuration			Lengths			Diameters				General Data		
	Stages	Lobes	Fit at 75°F	Contour	Overall	Rubber Cutback	Tube OD	Tube ID	Major	Minor	Material	Weight	Thread
<b>Stator</b>	2.5	7	0.010 (0.25)	166.0 (4216)	182.0 (4623)	Top 8 (203) Btm 8 (203)	4.75 (121)	3.75 (95.3)	3.25 (82.7)	2.528 (64.2)	4142 HR Tube Ultra-Flex® Insert	379 lbs (172 kg)	Customer Specified
<b>Rotor</b>	0.181 (4.6)	6		168.0 (4267)	174.0 (4420)	6.00 (152)	2.75 (69.9)	1 (25.4)	2.899 (73.6)				
	Eccentricity			Head Length			Head OD	Rotor Bore					

**Note:** All dimensions are in inches (mm) unless otherwise noted and are subject to change without notice.

**PERFORMANCE**



**Notes:** Performance curves based on dyno testing at 150°F. Actual field performance will vary based on fit and operational conditions.

.95 max highlights ranges in which 95% of max efficiency and power are obtained.

Higher differential pressures and flow rates reduce stator life.

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