

6 3/4 in. HY-PERFORM XL Motors

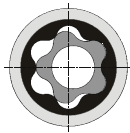
	US Units	SI Units
Length	31.7 ft	9.65 m
Weight Range	2,750-2,860 lbs	1,250-1,300 kg
Bit Size Range	8 3/8 in. – 9 7/8 in.	
Top Connection (Optional)	NC 50 (NC46, 4 1/2 in. Reg., 4 1/2 in. H90)	
Bit Connection (Optional)	4 1/2 in. API Reg. Box (6 5/8 in. API Reg. Box)	
Max. Slick OD at Wear Ring	7.36 in.	187 mm
AKO Angle Range	0° - 2.75°	
Rotor Nozzle	Yes	
Max. Flow Rates w/Nozzle	725 gpm	2,750 l/min
Ball Bearings		
WOB and Backreaming Weight	40,5 klbs	180 kN
Rerun Pull and Set-down Weight*	81 k lbs	360 kN
Ultimate Pull to Failure*	765 klbs	3,400 kN
Diamond Bearings		
WOB and Backreaming Weight	63 klbs	280 kN
Rerun Pull and Set-down Weight*	125 klbs	560 kN
Ultimate Pull to Failure*	765 klbs	3,400 kN

* While motor is not operating

Build-up Rate Capabilities*

Hole Size		Slick			Partial			Full		
		AKO	BUR	RPM	AKO	BUR	RPM	AKO	BUR	RPM
8 1/2 in.	A1	0.5	0.8	125	0.3	1.8	134	0.3	0.9	128
	A2	1.8	8.8	60	1.7	9.2	60	1.2	5.4	60
	A3	2	10.1	30						
	A4									
8 3/4 in.	A1	0.6	0.9	122	0.3	1.8	134	0.3	0.9	131
	A2	1.9	8.9	60	1.7	9.3	60	1.4	6.4	60
	A3	2.2	10.8	30						
	A4	2.3	11.4	0	2.0	10.9	0			
9 7/8 in.	A1	0.9	0.4	118	0.3	2.5	135	0.3	0.9	134
	A2	2.5	10.2	60	1.8	10.4	60	1.7	7.9	60
	A3	2.75	11.8	30						
	A4				2.75	15.4	0	2.2	9.9	0

* Refer to DMS Online for BUR charts with Half Shell type AKO.



6 3/4 in. HY-PERFORM XL

5/6 – 6.0 stages

US Units

SI Units

Flow Rate	265-660 gpm	1000-2500 l/min
Speed	90-220 rpm	
Speed to Flow Ratio	0.33 rev/gal	0.09 rev/l
No Load Pressure Drop	350 psi	24 bar

Standard or High Temperature elastomer

Operational Limits

Differential Pressure	870 psi	60 bar
Torque	5,050 ft-lbs	6,850 Nm
Power Output	210 hp	160 kW

Maximum Operational

Differential Pressure	1,400 psi	96 bar
Torque	8,100 ft-lbs	11,000 Nm

DuraMax elastomer

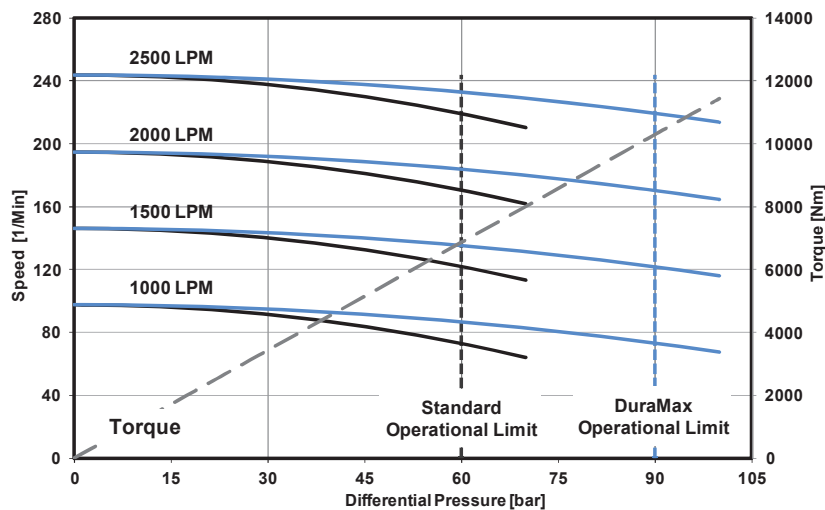
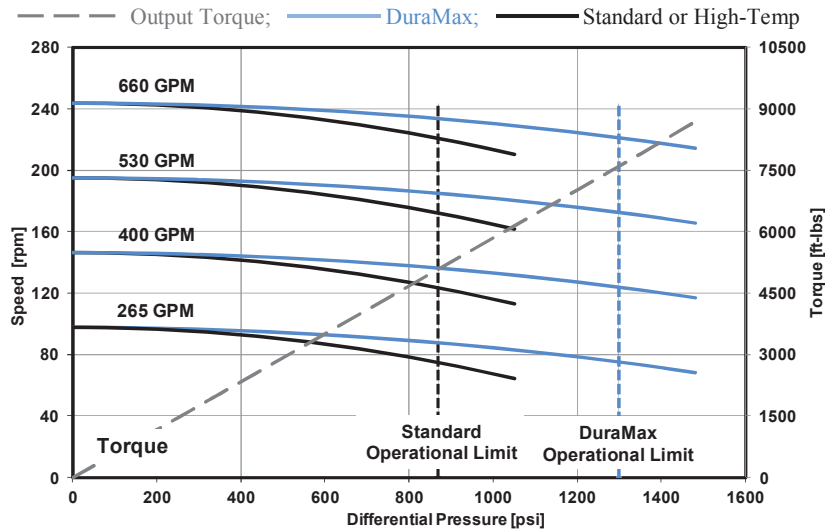
Operational Limits

Differential Pressure	1300 psi	90 bar
Torque	7,600 ft-lbs	10,500 Nm
Power Output	315 hp	225 kW

Maximum Operational

Differential Pressure	1,750 psi	120 bar
Torque	10,000 ft-lbs	13,500 Nm

Performance Charts



Actual surface and downhole operational performance may vary.