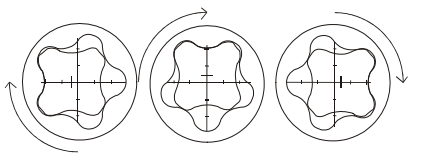
www.dyna-drill.com
USA: 23400 Colonial Parkway, Katy, TX 77493
Canada: Bay E.; 2802- 5th Street, Nisku, Alberta T9E-0H1 Tel: (780) 955-7711, Fax: (780) 955-7833
Dubai: Oilfields Supply Center, Bldg B-30, P.O. Box 261039, Dubai, UAE, Tel: 011-971-4-8100310

Model No.: DD675786.0

6.75" 7/8 Lobes 6.0 Stages



POWER SECTION

FIT INFORMATION - MINOR DIAMETER (in)				
	DynaPower			
Stator Size	HR	XR	XP	XE
1 Undersize				
Standard	3.995	3.995*	3.992	3.995*
1 Oversize	4.023	4.023*	4.023*	4.023*
2 Oversize				
Nominal Fit at 75˚F				
1 Undersize				
Standard	0.013	0.013*	0.016	0.013*
1 Oversize	-0.015	-0.015*	-0.015*	-0.015*
2 Oversize				

*Pending production measurements

ROTOR SPECIFICATIONS		STATOR SPECIFICATIONS	
Overall Length** (in)	223.0	Overall Length (in)	232.0
Contour Length** (in)	217.0	Cutback #1** (in)	8.0
Eccentricity (in)	0.256	Cutback #2** (in)	8.0
Major Diameter (in)	4.520	Tube O.D. (in)	6.75
Weight (lb)	723	Tube I.D. (in)	5.50
Head Diameter*** (in)	4.50	Weight (lb)	884
Material**	17-4SS		
Thread Form***	2 7/8 API REG		

**Representative options given. Verify specific requirements before placing order.
***Customer specified

PERFORMANCE SPECIFICATIONS						
			HR	XR	XP	XE
Torque Slope	9.300 ft-lb/psi	Max. Diff. Press. (psi)	1350	1350	1500	1650
Flow Range	300 to 650 GPM	Max. Torque (ft-lb)	12560	12560	13950	15350
RPG	0.288 rev/gal	Stall Diff. Press. (psi)	2030	2030	2250	2480
Speed Range	86 to 187 RPM	Stall Torque (ft-lb)	18830	18830	20930	23020
Off Bottom Press.	134 psi	Max. Recommended (HP)	410	398	406	441
		PSI Per Stage	225	225	250	275
		PSI Per Cavity	33	33	37	40
		Temperature Slope (in/˚F)	0.000267	0.000252	0.000267	0.000275

TEMPERATURE RECOMMENDATIONS BASED ON FIT

Most Optimal — Least Optimal

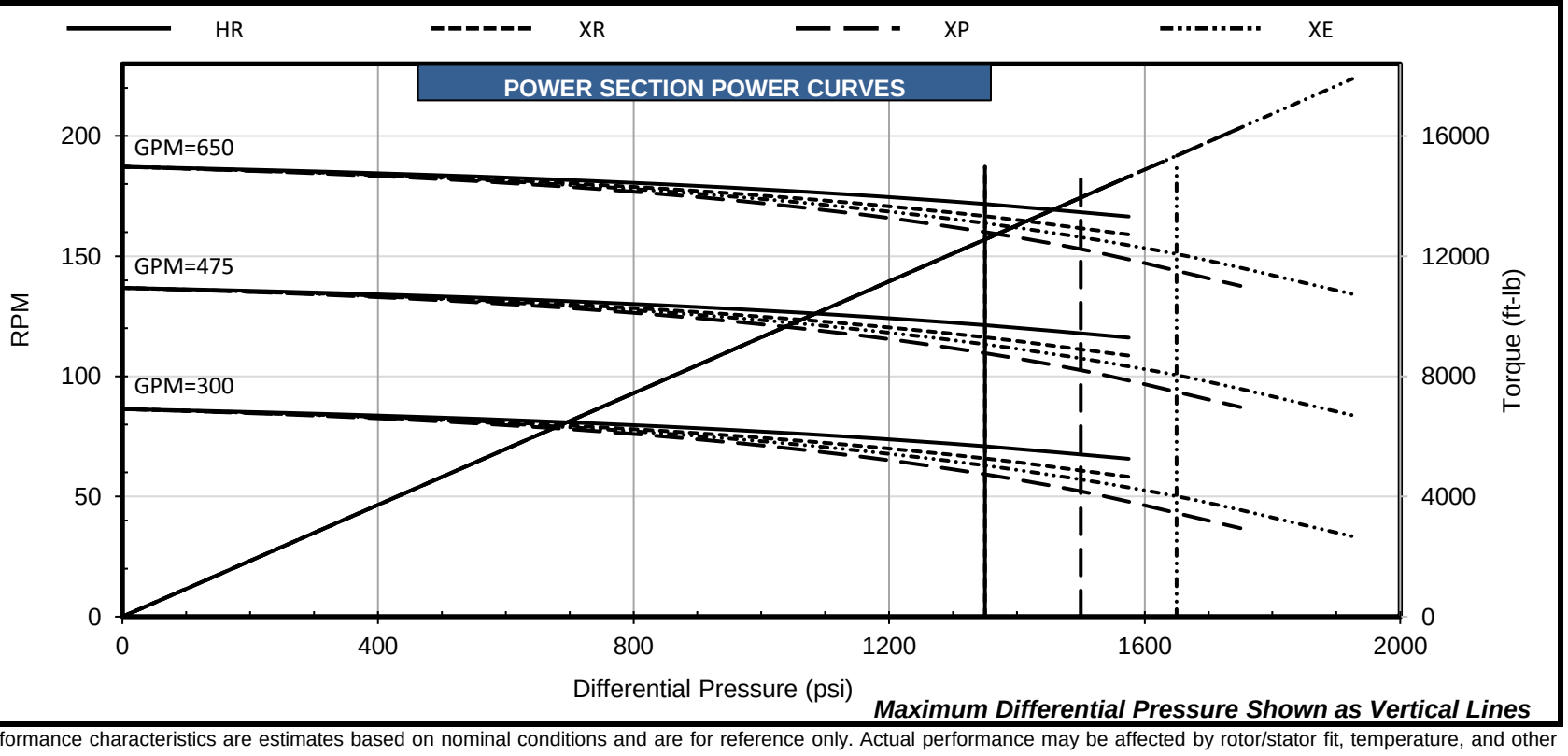
HR	Temperature [°F]									
Fit	150	175	200	225	250	275	300	325	350	375
0.016										
0.000										
-0.008										
-0.016										
-0.032										
-0.048										

XR	Temperature [°F]									
Fit	150	175	200	225	250	275	300	325	350	375
0.016										
0.000										
-0.008										
-0.016										
-0.032										
-0.048										

XP	Temperature [°F]									
Fit	150	175	200	225	250	275	300	325	350	375
0.016										
0.000										
-0.008										
-0.016										
-0.032										
-0.048										

XE	Temperature [°F]									
Fit	150	175	200	225	250	275	300	325	350	375
0.016										
0.000										
-0.008										
-0.016										
-0.032										
-0.048										

Fit / temperature guidance assumes run conditions and mud compatibility effects from global data analysis at max flow and recommended differential pressure for maximum life.



Maximum Differential Pressure Shown as Vertical Lines

Performance characteristics are estimates based on nominal conditions and are for reference only. Actual performance may be affected by rotor/stator fit, temperature, and other operating conditions. The torque may exceed the capacity of connected components and threads. Operating above the recommended limits of either the power section or connected components may reduce product life and result in damage to the power section and connected components. Data is subject to change without notice.

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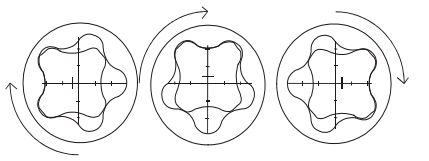

POWER SECTION

FIT INFORMATION - MINOR DIAMETER (mm)				
	DynaPower			
Stator Size	HR	XR	XP	XE
1 Undersize				
Standard	101.47	101.47*	101.40	101.47*
1 Oversize	102.18	102.18*	102.18*	102.18*
2 Oversize				
Nominal Fit at 75˚F				
1 Undersize				
Standard	0.33	0.33*	0.41	0.33*
1 Oversize	-0.38	-0.38*	-0.38*	-0.38*
2 Oversize				

*Pending production measurements

ROTOR SPECIFICATIONS	
Overall Length** (mm)	5664.2
Contour Length** (mm)	5511.8
Eccentricity (mm)	6.50
Major Diameter (mm)	114.81
Weight (kg)	328
Head Diameter*** (mm)	114.30
Material**	17-4SS
Thread Form***	2 7/8 API REG

STATOR SPECIFICATIONS	
Overall Length (mm)	5892.8
Cutback #1** (mm)	203.2
Cutback #2** (mm)	203.2
Tube O.D. (mm)	171.5
Tube I.D. (mm)	139.7
Weight (kg)	401

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***Customer specified

PERFORMANCE SPECIFICATIONS						
			HR	XR	XP	XE
Torque Slope	1.829 Nm/kPa	Max. Diff. Press. (kPa)	9308	9308	10342	11376
Flow Range	1136 to 2461 Litre/min	Max. Torque (Nm)	17029	17029	18914	20812
RPG	0.076 rev/litre	Stall Diff. Press. (kPa)	13996	13996	15513	17099
Speed Range	86 to 187 RPM	Stall Torque (Nm)	25530	25530	28377	31211
Off Bottom Press.	924 kPa	Max. Recommended (kW)	306	297	303	329
		kPa Per Stage	1551	1551	1724	1896
		kPa Per Cavity	228	228	255	276
		Temperature Slope (mm/˚C)	0.0122	0.0115	0.0122	0.0126

TEMPERATURE RECOMMENDATIONS BASED ON FIT

Most Optimal — Least Optimal

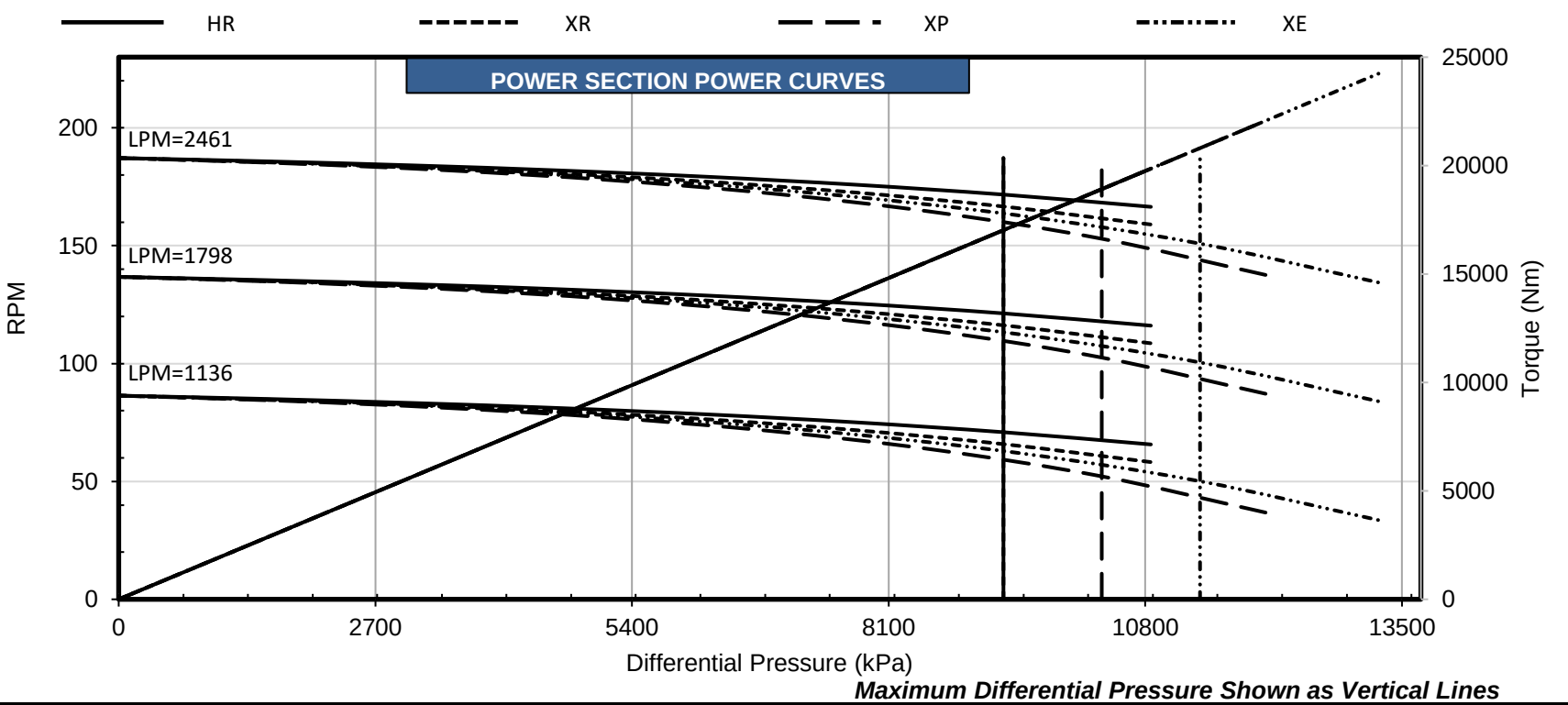
HR	Temperature [°C]									
Fit	66	79	93	107	121	135	149	163	177	191
0.41										
0.00										
-0.20										
-0.41										
-0.81										
-1.22										

XR	Temperature [°C]									
Fit	66	79	93	107	121	135	149	163	177	191
0.41										
0.00										
-0.20										
-0.41										
-0.81										
-1.22										

XP	Temperature [°C]									
Fit	66	79	93	107	121	135	149	163	177	191
0.41										
0.00										
-0.20										
-0.41										
-0.81										
-1.22										

XE	Temperature [°C]									
Fit	66	79	93	107	121	135	149	163	177	191
0.41										
0.00										
-0.20										
-0.41										
-0.81										
-1.22										

Fit / temperature guidance assumes run conditions and mud compatibility effects from global data analysis at max flow and recommended differential pressure for maximum life.



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