



Martec Solutions

Downhole Tools & Accessories

**MOTOR MANUAL
SPECIFICATIONS
AND
PERFORMANCE CURVES**

MARTEC SOLUTIONS LLC

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MARTEC SOLUTIONS designs, manufactures, and assembles JTEC brand mud-lube motors in Houston, Texas for a wide variety of thru-tubing, workover, and intervention applications. Our motors come with conventional and all-metal power sections providing high performance for use in demanding operations including those in corrosive and high-temperature environments. Our goal is to meet customer's motor requirements with high quality, robust and durable motor solutions for intervention operations such as thru-tubing, coiled-tubing, fishing, and clean-outs in an efficient, cost-effective manner. MARTEC's cutting-edge organization is uniquely positioned to meet our client's most demanding motor requirements in the USA and international markets.

MARTEC's JTEC mud-lube motors are based on a proven design with thousands of hours of successful service operation in active basins in the USA, Mexico, South America, Africa, and the Middle East. Our continuous design improvements provide for superior catch system, roller ball or flex transmission, and bearing assembly allowing for easy tool maintenance.

Our mud lube motors are manufactured in sizes ranging from 1½" to 5" OD and come with US or European manufactured conventional and all-metal power sections capable of meeting many demanding service environments. MARTEC's conventional power mud lube motors employ the latest power section designs incorporating superior wear resistant hard rubber-NBR elastomers, and 17-4 PH stainless steel chrome coated rotors. Our motors come with standard or oversize fit configurations as well as with straight or adjustable bend housings.

Our JTEC Metal2Metal NITRALLOY power section motor is used in demanding, high temperature, and corrosive well environments. The JTEC Metal2Metal motor comes with all-metal nitride treated NITRALLOY rotor and stator and is available with no rubber seals or components, eliminating all susceptible rubber failures and the need for stator relines. JTEC Metal2Metal motors are available in 1¹¹/₁₆", 2¹/₈", 2⁷/₈", 3¹/₈", 3¹/₂", 3³/₄" and 5" OD sizes.

We listen carefully to our customers considering their many operating parameters such as, but not limited to, speed, torque, flow rate, and temperature to effectively provide specific motor and spare part options. We look forward to meeting our clients' mud-lube and all-metal motor solutions.

COMPANY MISSION

Deliver high quality, durable and cost-effective JTEC motors on a timely basis to ensure customers meet their service, operational and production objectives.

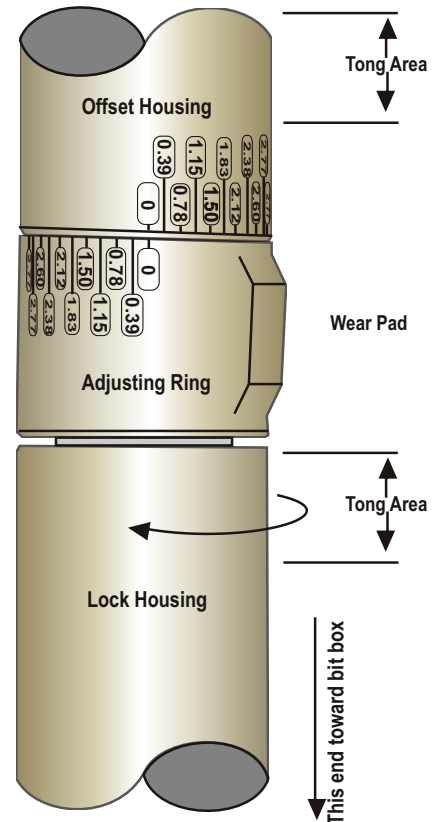
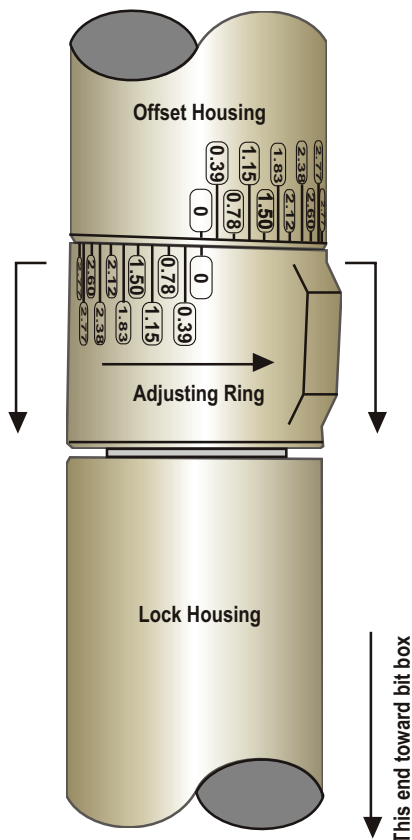


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ADJUSTABLE BEND HOUSING OPERATION

The J-TEC motor adjustable bend housing (ABH) allows for quick and easy bend angle adjustments from zero (0) to three (3) degrees. Below is the procedure for setting the J-TEC motor ABH.

1. Place the jaws of tongs in the tong areas shown and break the tool joint.
2. While keeping the Adjusting Ring teeth engaged with the mated slots in the offset housing, unscrew the lock housing two to four complete turns in the clockwise direction (unthread).



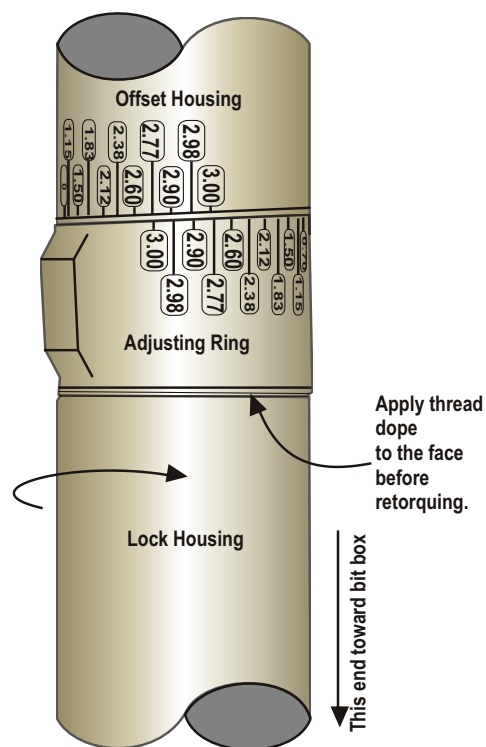
3. Slide the Adjusting Ring down to disengage the teeth in the ring and the Offset Housing.
4. To adjust the bend angle of the bent housing, rotate the Adjusting Ring clockwise until the desired bend-angle marking matches the bend angle marking on the Offset Housing.



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ADJUSTABLE BEND HOUSING OPERATION (continued)

5. Engage the teeth of the Adjusting Ring and the Offset Housing at the desired bend angle.
6. Apply thread dope to the mated faces of the lock housing and the Adjusting Ring.
7. Screw the Lock Housing and the Adjusting Ring together and apply the torque value listed in the chart below. The matching markings on the OD of the Offset Housing and the Adjusting Ring indicate the bend angle selected as well as the high side marks to identify the high side of the tool.



ADJUSTABLE TORQUE GUIDE TABLE

MOTOR SIZE	TORQUE AMOUNT	TORQUE AMOUNT (METRIC)
2-7/8" (287)	3,650 lbs - ft	4,950 N-m
3-1/8" (312)	3,650 lbs - ft	4,950 N-m
3-1/2" (350)	4,100 lbs - ft	5,560 N-m
3-3/4" (375)	4,800 lbs - ft	6,300 N-m
0 - 1.00 DEG	50 RPM No Greater	
1.00 - 2.00 DEG	Short Period 40 RPM or less	
2.00 - 3.00 DEG	Not Recommended	

Rotating the rotary higher than the specified recommendations may result in damage to motor or failure.



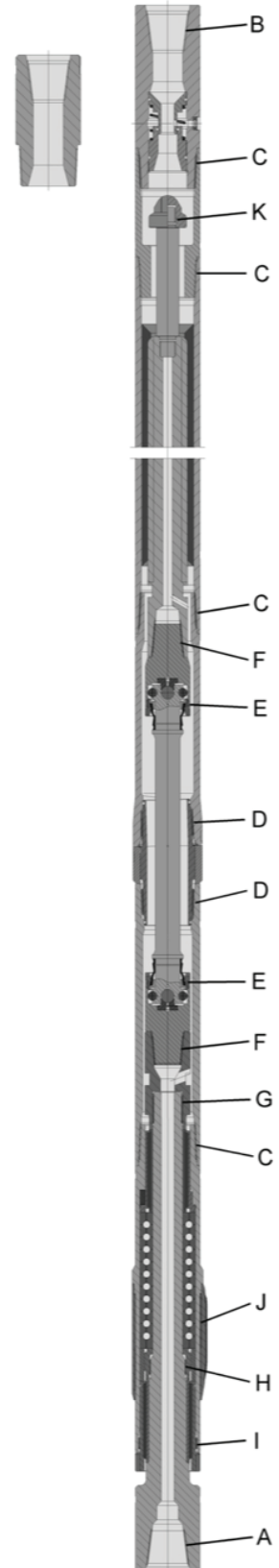
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MOTOR ASSEMBLY

- J-TEC motors and components are produced in USA and Europe
- OD range from 1½” to 5”
- J-TEC motors are compatible with WBM, OBM, and can be operated with acids, nitrogen, solvents, and high chloride fluids at various levels depending on specific power section configuration, stator selection, temperature, and well environment.
- Motor assembly options include:
 - Conventional, all-metal power, or even-wall power sections
 - Straight, ABH, or Fixed Housings
 - Slick or Stabilized (for larger ODs) Bearing
- Maintenance redress training is available with purchase of motors

NOTE: OPERATION OF CONVENTIONAL POWER SECTION MOTOR ASSEMBLIES WITH OBM OR NITROGEN REQUIRE POST RUN STATOR REPLACEMENT

	THREAD CONNECTION
A	Bit Box Connection
B	Upper Box Connection
C	Stator / Outer Housings
D	ABH
E	Upper lock ring Lower lock ring – <i>left hand</i>
F	Coupling
G	Diverter cap (or) Integrated diverter cap
H	Safety retention nut – <i>left hand</i>
I	Lower stationary bearing – <i>left hand</i>
J	Changeable stabilizer
K	Catch Nut – <i>left Hand</i>

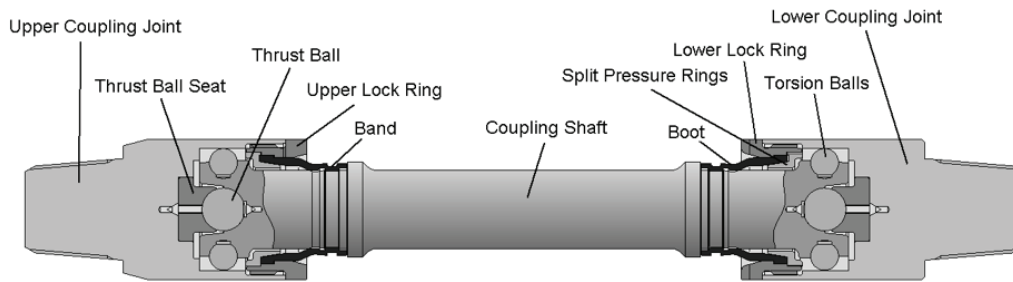




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ROLLER BALL or FLEX SHAFT TRANSMISSION

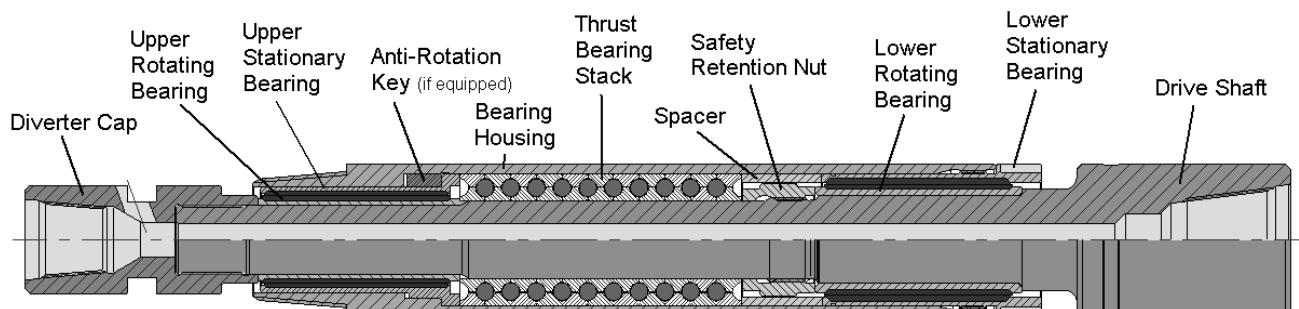
- J-TEC motor transmission employs ROLLER BALL or FLEX SHAFT technology



BEARING ASSEMBLY DETAILS

- Bearing assembly consists of S2 tool steel thrust stack and tiled carbide radial bearings.
- The bearing assembly is a proven design concept with tens of thousands of successful run hours.
- Most other components are manufactured from 4145 and/or 4330 v mod materials.
- Transmission components are a heat treated 4340.

BEARING ASSEMBLY





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**MARTEC'S J-TEC MUD LUBE MOTOR
SPECIFICATIONS
AND
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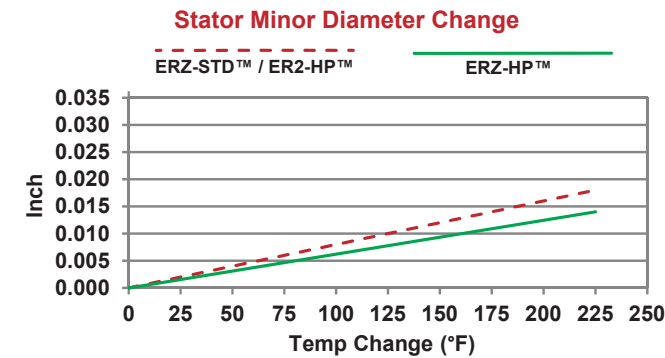
Model No. **150JTEC5632**

POWER SECTION 5:6 LOBES – 3.2 STAGES

Email: sales@martecsolutions.com

Rotor Specifications	
Overall Length	79.75 in.
Profile Length	75.75 in.
Major Diameter	0.99 in.
Eccentricity	0.064 in.
Head Diameter	1 in.
Thread Form	N/A
Weight	15 lbs.
Material	17-4 PH

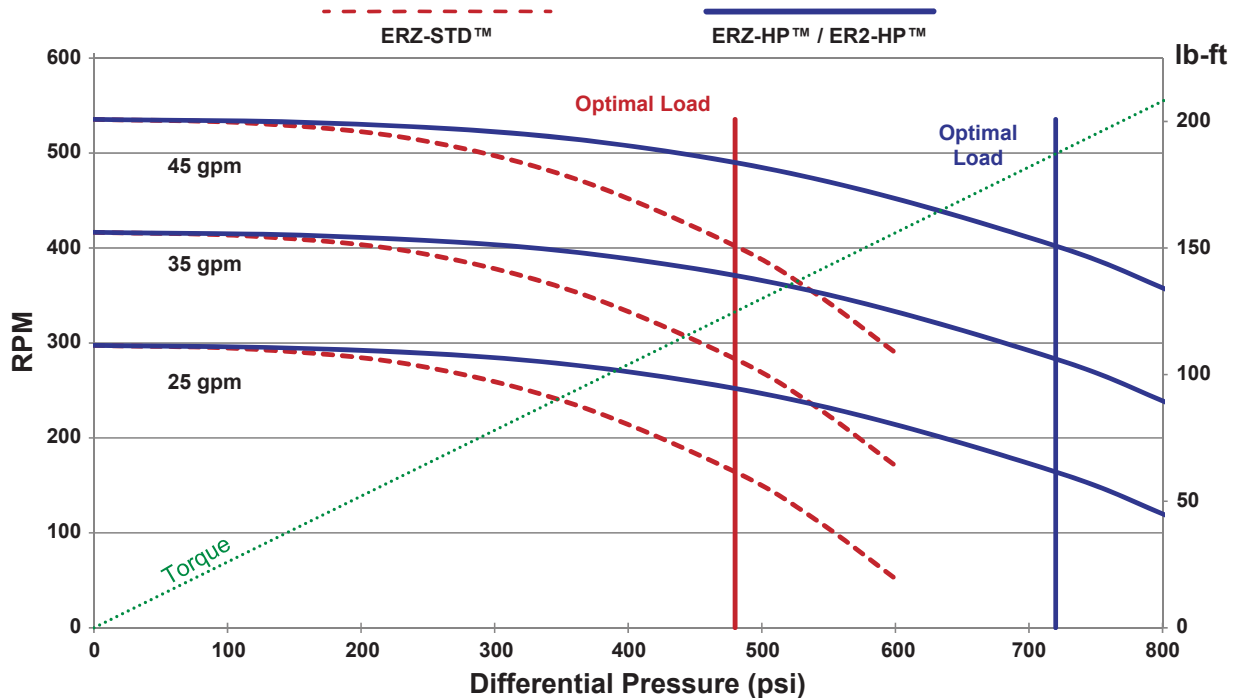
Stator Specifications	
Overall Length	86.8 in.
Tube OD	1.5 in.
Tube ID	1.25 in.
Rubber Cutback Top/End	4/9 in.
Weight	21 lbs.
Number of Stages	3.2
Tube Material	4140HT
Rubber Options	N/A



Stator Minor Dimensions		
STD	0.85	2x OS
OD	0.864	3x OS

Performance Specifications	
Flow Range	25 - 45 GPM
Speed Range	300 - 540 RPM
Torque Slope	0.26 ft-lb./psi
Rotation	11.9 rev/gal
Off Bottom Pressure	75 psi

Performance Details		
	STD	HP
Max Diff. Press.	480 psi	720 psi
Stall Diff. Press.	720 psi	1080 psi
Max Torque	120 ft-lb.	190 ft-lb.
Stall Torque	190 ft-lb.	280 ft-lb.
Max WOB		3,000 lb.
Max Pull to Re-Run		6,000 lb.
Pull to Yield		35,000 lb.



Custom lengths and materials are available upon request. Performance data is for reference only and is subject to change without notice. Footnotes about coating options, vector gauge readings, and temperature limits as well as other warranty information about performance curves, power section fit, and optimal operating limits, appear on the inside back cover of this brochure.

Model No. **169JTEC5623**

POWER SECTION 5:6 LOBES – 2.3 STAGES

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Rotor Specifications	
Overall Length	55.00 in.
Contour Length	51.00 in.
Major Diameter	1.063 in.
Eccentricity	0.076 in.
Head Diameter	1.000 in.
Thread Form	N/A
Weight	11 lbs.
Material	17-4 PH ¹

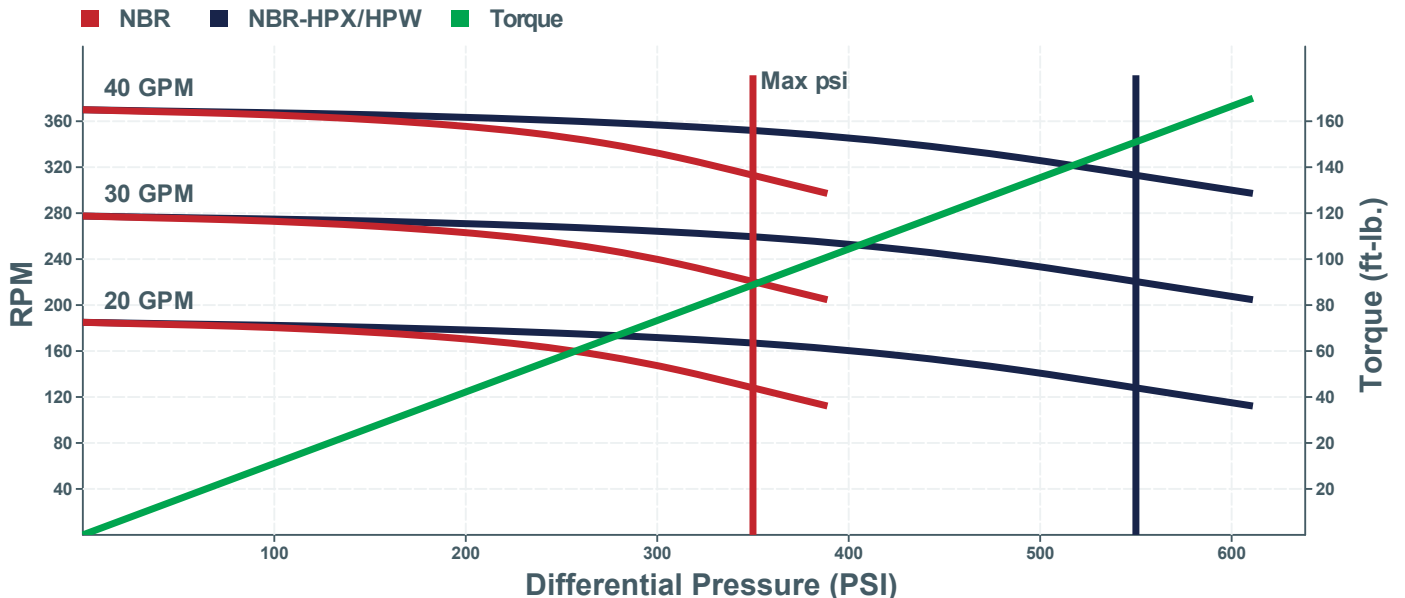
Stator Specifications	
Overall Length	60.00 in.
Tube OD	1.69 in.
Tube ID	1.38 in.
Rubber Cutback Top/End	4/4 in.
Weight	15 lbs.
Number of Stages	2.3
Tube Material	4140/4142 Alloy Steel
Rubber Options	NBR, NBR-HPX/HPW

NBR (in.)		Fits (+Compression / -Loose)				
Size	Minor ²	75°F	125°F	175°F	250°F	300°F ³
0.5 US	--	--	--	--	--	--
STD	0.909	0.003	0.008	0.012	0.019	0.024
0.5 OS	--	--	--	--	--	--
1 OS	--	--	--	--	--	--
1.5 OS	--	--	--	--	--	--
2 OS	--	--	--	--	--	--
2.5 OS	--	--	--	--	--	--

NBR-HPX/HPW (in.)		Fits (+Compression / -Loose)				
Size	Minor ²	75°F	125°F	175°F	250°F	300°F ³
0.5 US	--	--	--	--	--	--
STD	0.909	0.003	0.008	0.012	0.019	0.024
0.5 OS	--	--	--	--	--	--
1 OS	--	--	--	--	--	--
1.5 OS	--	--	--	--	--	--
2 OS	--	--	--	--	--	--
2.5 OS	--	--	--	--	--	--

Performance Specifications	
Flow Range	20 - 40 GPM
Speed Range	190 - 370 RPM
Torque Slope	0.29 ft-lb./psi
Rotation	9.250 rev/gal
Off Bottom Pressure	30 psi

Performance Details		
	NBR	NBR-HPX/HPW
Max Diff. Press.	350 psi	550 psi
Stall Diff. Press.	520 psi	860 psi
Max Torque	100 ft-lb.	160 ft-lb.
Stall Torque	150 ft-lb.	250 ft-lb.
Max WOB		4,000 lb.
Max Pull to Re-Run		7,000 lb.
Pull to Yield		40,000 lb.



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Model No. **169JTEC5650**

POWER SECTION 5:6 LOBES – 5.0 STAGES

Email: sales@martecsolutions.com

Rotor Specifications	
Overall Length	93.00 in.
Contour Length	87.00 in.
Major Diameter	0.990 in.
Eccentricity	0.069 in.
Head Diameter	1.100 in.
Thread Form	N/A
Weight	16 lbs.
Material	17-4 PH ¹

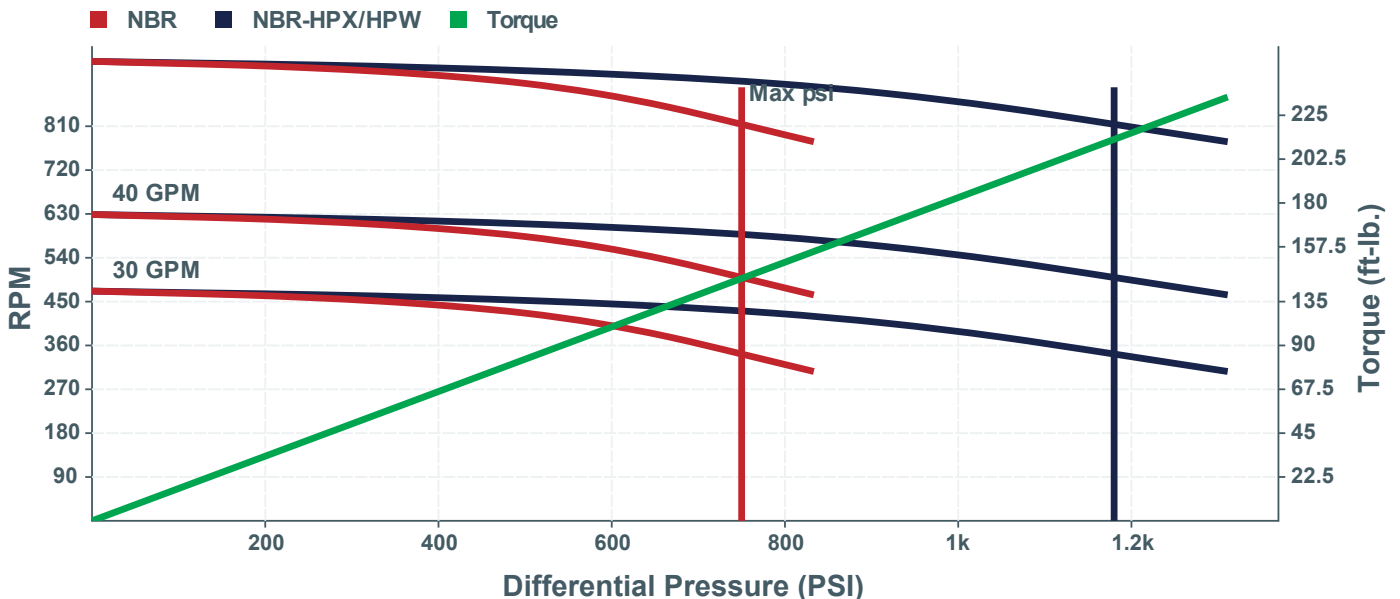
Stator Specifications	
Overall Length	99.00 in.
Tube OD	1.69 in.
Tube ID	1.38 in.
Rubber Cutback Top/End	4/4 in.
Weight	27 lbs.
Number of Stages	5.0
Tube Material	4140/4142 Alloy Steel
Rubber Options	NBR, NBR-HPX/HPW

NBR (in.)		Fits (+Compression / -Loose)				
Size	Minor ²	75°F	125°F	175°F	250°F	300°F ³
0.5 US	--	--	--	--	--	--
STD	0.851	0.001	0.006	0.011	0.018	0.023
0.5 OS	--	--	--	--	--	--
1 OS	0.861	-0.009	-0.004	0.000	0.008	0.012
1.5 OS	--	--	--	--	--	--
2 OS	--	--	--	--	--	--
2.5 OS	--	--	--	--	--	--

NBR-HPX/HPW (in.)		Fits (+Compression / -Loose)				
Size	Minor ²	75°F	125°F	175°F	250°F	300°F ³
0.5 US	--	--	--	--	--	--
STD	0.851	0.001	0.006	0.011	0.018	0.023
0.5 OS	--	--	--	--	--	--
1 OS	0.861	-0.009	-0.004	0.000	0.008	0.012
1.5 OS	--	--	--	--	--	--
2 OS	--	--	--	--	--	--
2.5 OS	--	--	--	--	--	--

Performance Specifications	
Flow Range	30 - 60 GPM
Speed Range	390 - 860 RPM
Torque Slope	0.19 ft-lb./psi
Rotation	15.720 rev/gal
Off Bottom Pressure	70 psi

Performance Details		
	NBR	NBR-HPX/HPW
Max Diff. Press.	750 psi	1180 psi
Stall Diff. Press.	1130 psi	1860 psi
Max Torque	150 ft-lb.	230 ft-lb.
Stall Torque	220 ft-lb.	360 ft-lb.
Max WOB		4,000 lb.
Max Pull to Re-Run		7,000 lb.
Pull to Yield		40,000 lb.



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Model No. 169JTEC5653

POWER SECTION 5:6 LOBES – 5.3 STAGES

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Rotor Specifications	
Overall Length	56 in.
Profile Length	≈ 50 in.
Major Diameter	1.02 in.
Eccentricity	0.068 in.
Head Diameter	1.0 in.
Thread Form	N/A
Weight	10 lbs.
Material	17-4 PH

Stator Specifications	
Overall Length	62 in.
Tube OD	1.688 in.
Tube ID	1.375 in.
Rubber Cutback Top/End	4.5/10 in.
Weight	15 lbs.
Number of Stages	5.3
Tube Material	4140/4142 Alloy Steel
Rubber Options	NBR-HP

Stator Minor Diameter Change	
Stator Minor	0.886 (22.5)
Minor Fit @ 75°F	-0.006 (-0.15)
Temperature Change Factor*	25
* For every 25°F change in temperature, the minor will inversely change 0.003" in diameter.	

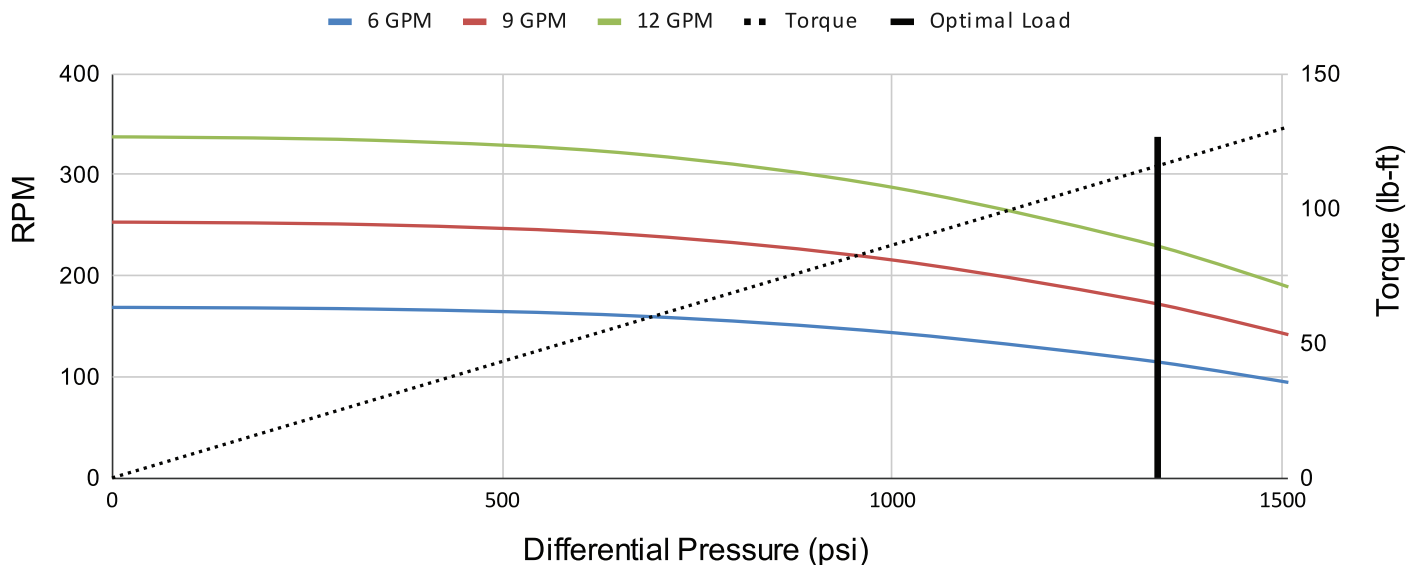
Stator Minor Dimensions		
STD	0.981	OVS
UNS		2X OVS

Performance Specifications	
Flow Range	6 - 12 GPM
Speed Range	170 - 340 RPM
Torque Slope	0.09 ft-lb./psi
Rotation	28.13 rev/gal
Off Bottom Pressure	TBD

Performance Details		
	STD	HP
Max Diff. Press.	N/A	1340 psi
Stall Diff. Press.	N/A	2010 psi
Max Torque	N/A	115 ft-lb.
Stall Torque	N/A	174 ft-lb.
Max WOB		4,000 lb.
Max Pull to Re-Run		7,000 lb.
Pull to Yield		40,000 lb.

Power Section Performance Curve

Based on Fluid > 46 cST



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Model No. 213JTEC5660

POWER SECTION 5:6 LOBES – 6.0 STAGES

Email: sales@martecsolutions.com

Rotor Specifications	
Overall Length	83.13 in.
Contour Length	79.00 in.
Major Diameter	1.236 in.
Eccentricity	0.087 in.
Head Diameter	1.250 in.
Thread Form	N/A
Weight	21 lbs.
Material	17-4 PH ¹

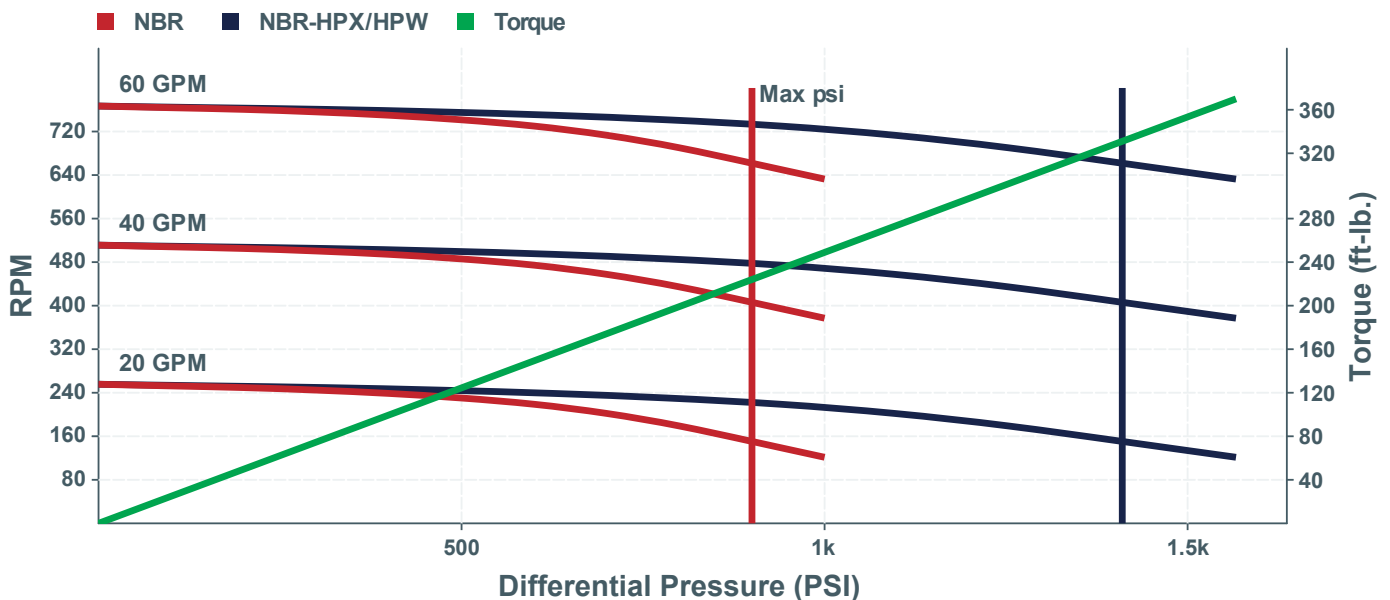
Stator Specifications	
Overall Length	88.00 in.
Tube OD	2.13 in.
Tube ID	1.75 in.
Rubber Cutback Top/End	4/4 in.
Weight	34 lbs.
Number of Stages	6.0
Tube Material	4140/4142 Alloy Steel
Rubber Options	NBR, NBR-HPX/HPW

NBR (in.)		Fits (+Compression / -Loose)				
Size	Minor ²	75°F	125°F	175°F	250°F	300°F ³
0.5 US	--	--	--	--	--	--
STD	1.059	0.003	0.008	0.013	0.021	0.026
0.5 OS	--	--	--	--	--	--
1 OS	--	--	--	--	--	--
1.5 OS	--	--	--	--	--	--
2 OS	--	--	--	--	--	--
2.5 OS	--	--	--	--	--	--

NBR-HPX/HPW (in.)		Fits (+Compression / -Loose)				
Size	Minor ²	75°F	125°F	175°F	250°F	300°F ³
0.5 US	--	--	--	--	--	--
STD	1.059	0.003	0.008	0.013	0.021	0.026
0.5 OS	--	--	--	--	--	--
1 OS	--	--	--	--	--	--
1.5 OS	--	--	--	--	--	--
2 OS	--	--	--	--	--	--
2.5 OS	--	--	--	--	--	--

Performance Specifications	
Flow Range	20 - 60 GPM
Speed Range	260 - 770 RPM
Torque Slope	0.24 ft-lb./psi
Rotation	12.780 rev/gal
Off Bottom Pressure	60 psi

Performance Details		
	NBR	NBR-HPX/HPW
Max Diff. Press.	900 psi	1410 psi
Stall Diff. Press.	1350 psi	2230 psi
Max Torque	220 ft-lb.	340 ft-lb.
Stall Torque	330 ft-lb.	540 ft-lb.
Max WOB		10,000 lb.
Max Pull to Re-Run		25,000 lb.
Pull to Yield		60,000 lb.



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Model No. 238JTEC7840

POWER SECTION 7:8 LOBES – 4.0 STAGES

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Rotor Specifications	
Overall Length	79.20 in.
Contour Length	75.00 in.
Major Diameter	1.500 in.
Eccentricity	0.082 in.
Head Diameter	1.500 in.
Thread Form	N/A
Weight	32 lbs.
Material	17-4 PH ¹

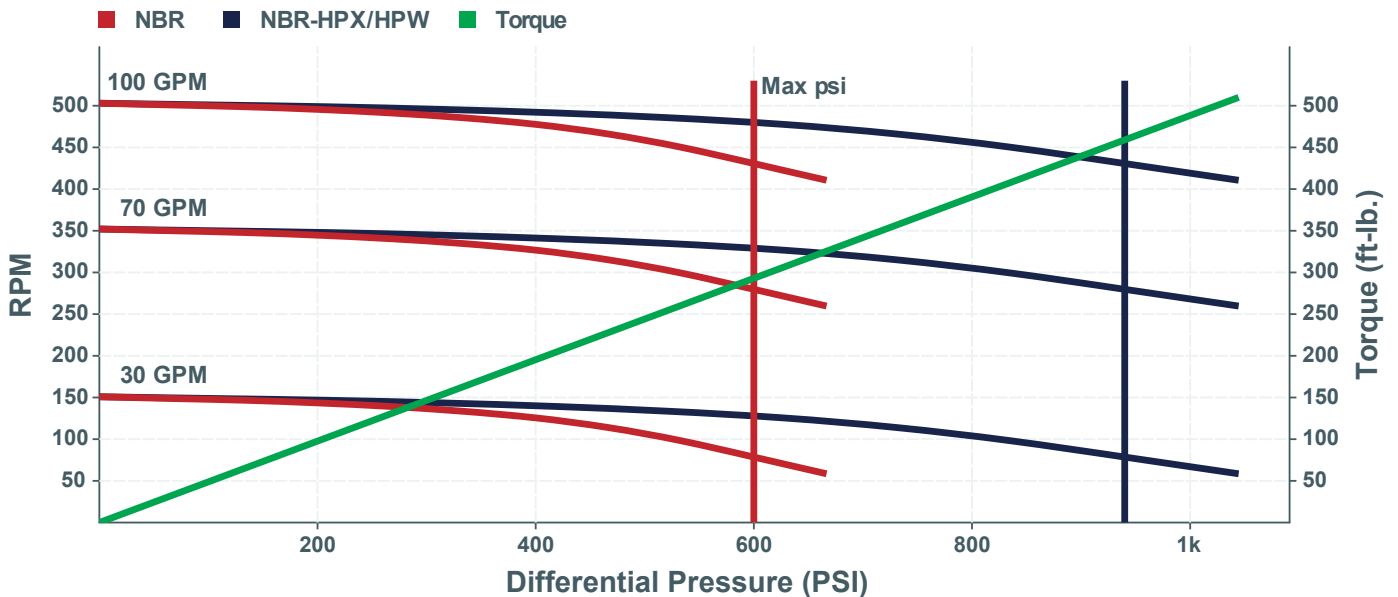
Stator Specifications	
Overall Length	82.00 in.
Tube OD	2.38 in.
Tube ID	1.88 in.
Rubber Cutback Top/End	4/4 in.
Weight	44 lbs.
Number of Stages	4.0
Tube Material	4140/4142 Alloy Steel
Rubber Options	NBR, NBR-HPX/HPW

NBR (in.)		Fits (+Compression / -Loose)				
Size	Minor ²	75°F	125°F	175°F	250°F	300°F ³
0.5 US	--	--	--	--	--	--
STD	1.336	0.000	0.005	0.010	0.018	0.023
0.5 OS	--	--	--	--	--	--
1 OS	1.348	-0.012	-0.007	-0.002	0.006	0.011
1.5 OS	--	--	--	--	--	--
2 OS	--	--	--	--	--	--
2.5 OS	--	--	--	--	--	--

NBR-HPX/HPW (in.)		Fits (+Compression / -Loose)				
Size	Minor ²	75°F	125°F	175°F	250°F	300°F ³
0.5 US	--	--	--	--	--	--
STD	1.336	0.000	0.005	0.010	0.018	0.023
0.5 OS	--	--	--	--	--	--
1 OS	1.348	-0.012	-0.007	-0.002	0.006	0.011
1.5 OS	--	--	--	--	--	--
2 OS	--	--	--	--	--	--
2.5 OS	--	--	--	--	--	--

Performance Specifications	
Flow Range	30 - 100 GPM
Speed Range	150 - 500 RPM
Torque Slope	0.50 ft-lb./psi
Rotation	5.030 rev/gal
Off Bottom Pressure	60 psi

Performance Details		
	NBR	NBR-HPX/HPW
Max Diff. Press.	600 psi	940 psi
Stall Diff. Press.	900 psi	1490 psi
Max Torque	300 ft-lb.	470 ft-lb.
Stall Torque	450 ft-lb.	750 ft-lb.
Max WOB		10,000 lb.
Max Pull to Re-Run		35,000 lb.
Pull to Yield		82,000 lb.



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Model No. 288JTEC4540

POWER SECTION 4:5 LOBES – 4.0 STAGES

Email: sales@martecsolutions.com

Rotor Specifications	
Overall Length	103.63 in.
Contour Length	99.63 in.
Major Diameter	1.843 in.
Eccentricity	0.156 in.
Head Diameter	1.800 in.
Thread Form	N/A
Weight	56 lbs.
Material	17-4 PH ¹

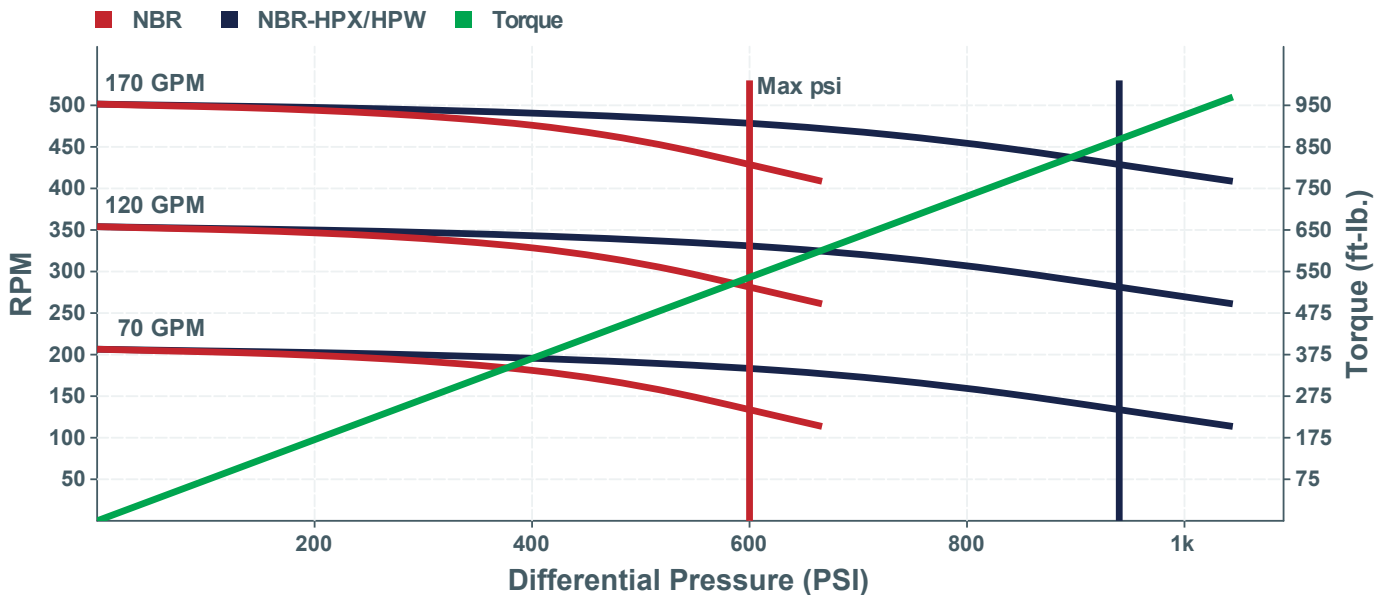
Stator Specifications	
Overall Length	105.63 in.
Tube OD	2.88 in.
Tube ID	2.38 in.
Rubber Cutback Top/End	4/4 in.
Weight	72 lbs.
Number of Stages	4.0
Tube Material	4140/4142 Alloy Steel
Rubber Options	NBR, NBR-HPX/HPW

NBR (in.)		Fits (+Compression / -Loose)				
Size	Minor ²	75°F	125°F	175°F	250°F	300°F ³
0.5 US	--	--	--	--	--	--
STD	--	--	--	--	--	--
0.5 OS	1.525	0.006	0.011	0.016	0.023	0.028
1 OS	--	--	--	--	--	--
1.5 OS	--	--	--	--	--	--
2 OS	--	--	--	--	--	--
2.5 OS	--	--	--	--	--	--

NBR-HPX/HPW (in.)		Fits (+Compression / -Loose)				
Size	Minor ²	75°F	125°F	175°F	250°F	300°F ³
0.5 US	--	--	--	--	--	--
STD	--	--	--	--	--	--
0.5 OS	1.525	0.006	0.011	0.016	0.023	0.028
1 OS	--	--	--	--	--	--
1.5 OS	--	--	--	--	--	--
2 OS	--	--	--	--	--	--
2.5 OS	--	--	--	--	--	--

Performance Specifications	
Flow Range	70 - 170 GPM
Speed Range	210 - 500 RPM
Torque Slope	0.91 ft-lb./psi
Rotation	2.950 rev/gal
Off Bottom Pressure	80 psi

Performance Details		
	NBR	NBR-HPX/HPW
Max Diff. Press.	600 psi	940 psi
Stall Diff. Press.	900 psi	1490 psi
Max Torque	550 ft-lb.	860 ft-lb.
Stall Torque	820 ft-lb.	1350 ft-lb.
Max WOB		10,000 lb.
Max Pull to Re-Run		60,000 lb.
Pull to Yield		100,000 lb.



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Model No. **288JTEC5635**

POWER SECTION 5:6 LOBES – 3.5 STAGES

Email: sales@martecsolutions.com

Rotor Specifications	
Overall Length	91.00 in.
Contour Length	86.50 in.
Major Diameter	1.675 in.
Eccentricity	0.118 in.
Head Diameter	1.800 in.
Thread Form	N/A
Weight	44 lbs.
Material	17-4 PH ¹

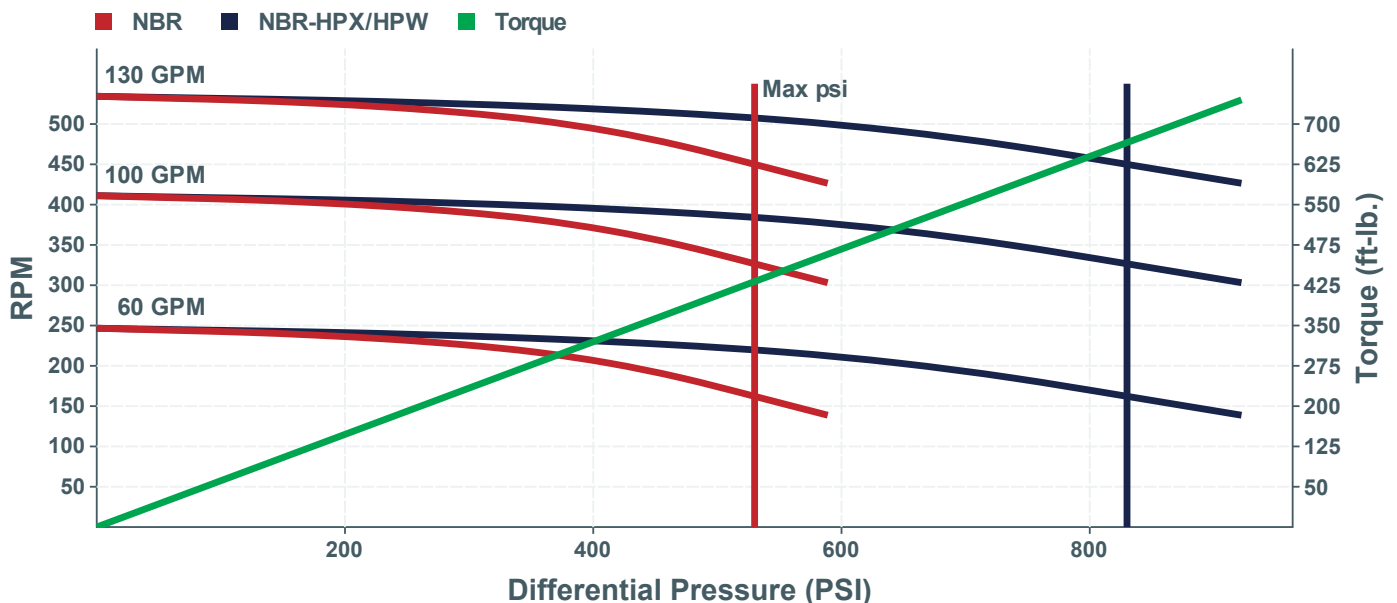
Stator Specifications	
Overall Length	98.60 in.
Tube OD	2.88 in.
Tube ID	2.38 in.
Rubber Cutback Top/End	7/7 in.
Weight	67 lbs.
Number of Stages	3.5
Tube Material	4140/4142 Alloy Steel
Rubber Options	NBR, NBR-HPX/HPW

NBR (in.)		Fits (+Compression / -Loose)				
Size	Minor ²	75°F	125°F	175°F	250°F	300°F ³
0.5 US	--	--	--	--	--	--
STD	1.432	0.007	0.012	0.017	0.025	0.030
0.5 OS	--	--	--	--	--	--
1 OS	--	--	--	--	--	--
1.5 OS	--	--	--	--	--	--
2 OS	--	--	--	--	--	--
2.5 OS	--	--	--	--	--	--

NBR-HPX/HPW (in.)		Fits (+Compression / -Loose)				
Size	Minor ²	75°F	125°F	175°F	250°F	300°F ³
0.5 US	--	--	--	--	--	--
STD	1.432	0.007	0.012	0.017	0.025	0.030
0.5 OS	--	--	--	--	--	--
1 OS	--	--	--	--	--	--
1.5 OS	--	--	--	--	--	--
2 OS	--	--	--	--	--	--
2.5 OS	--	--	--	--	--	--

Performance Specifications	
Flow Range	60 - 130 GPM
Speed Range	250 - 520 RPM
Torque Slope	0.78 ft-lb./psi
Rotation	4.111 rev/gal
Off Bottom Pressure	70 psi

Performance Details		
	NBR	NBR-HPX/HPW
Max Diff. Press.	530 psi	830 psi
Stall Diff. Press.	790 psi	1300 psi
Max Torque	410 ft-lb.	650 ft-lb.
Stall Torque	620 ft-lb.	1020 ft-lb.
Max WOB		10,000 lb.
Max Pull to Re-Run		60,000 lb.
Pull to Yield		100,000 lb.



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Model No. 288JTEC5647

POWER SECTION 5:6 LOBES – 4.7 STAGES

Email: sales@martecsolutions.com

Rotor Specifications	
Overall Length	92.00 in.
Contour Length	88.00 in.
Major Diameter	1.909 in.
Eccentricity	0.136 in.
Head Diameter	1.880 in.
Thread Form	N/A
Weight	58 lbs.
Material	17-4 PH ¹

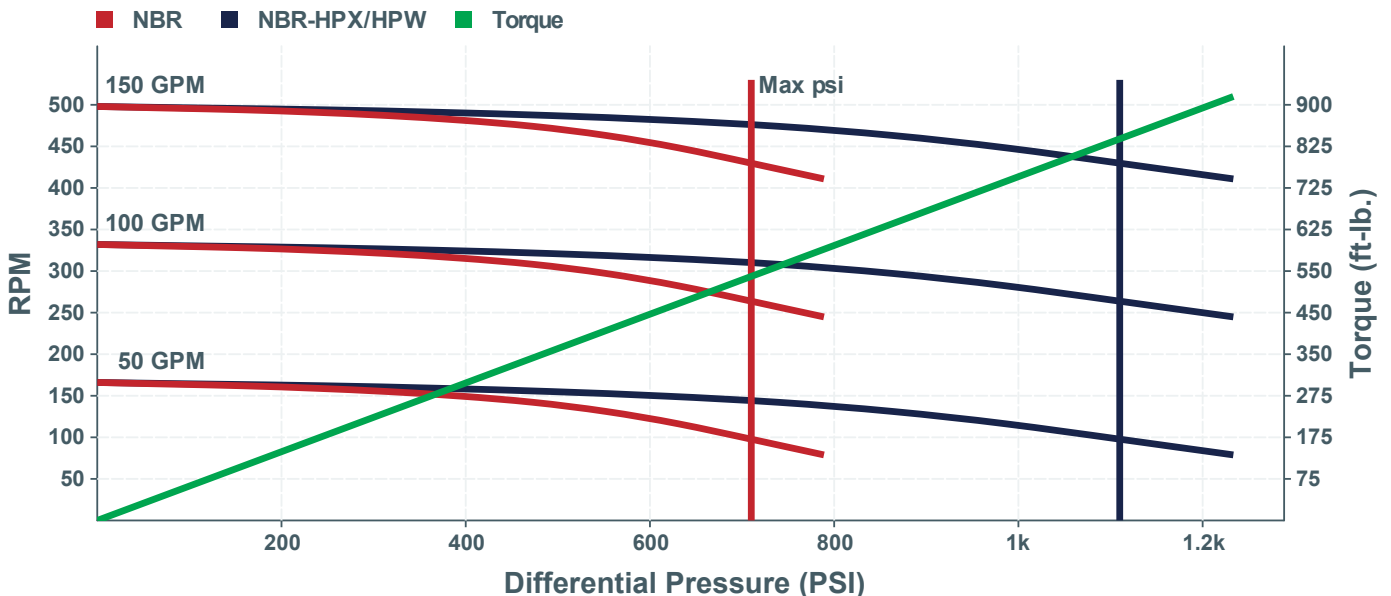
Stator Specifications	
Overall Length	105.63 in.
Tube OD	2.88 in.
Tube ID	2.38 in.
Rubber Cutback Top/End	4/16 in.
Weight	70 lbs.
Number of Stages	4.7
Tube Material	4140/4142 Alloy Steel
Rubber Options	NBR, NBR-HPX/HPW

NBR (in.)		Fits (+Compression / -Loose)				
Size	Minor ²	75°F	125°F	175°F	250°F	300°F ³
0.5 US	--	--	--	--	--	--
STD	1.640	-0.003	0.002	0.006	0.013	0.018
0.5 OS	--	--	--	--	--	--
1 OS	1.650	-0.013	-0.008	-0.004	0.003	0.007
1.5 OS	1.670	-0.033	-0.029	-0.024	-0.018	-0.013
2 OS	--	--	--	--	--	--
2.5 OS	--	--	--	--	--	--

NBR-HPX/HPW (in.)		Fits (+Compression / -Loose)				
Size	Minor ²	75°F	125°F	175°F	250°F	300°F ³
0.5 US	--	--	--	--	--	--
STD	1.636	0.001	0.006	0.010	0.017	0.022
0.5 OS	--	--	--	--	--	--
1 OS	1.646	-0.009	-0.004	0.000	0.007	0.012
1.5 OS	1.668	-0.031	-0.027	-0.022	-0.016	-0.011
2 OS	--	--	--	--	--	--
2.5 OS	--	--	--	--	--	--

Performance Specifications	
Flow Range	50 - 150 GPM
Speed Range	170 - 500 RPM
Torque Slope	0.75 ft-lb./psi
Rotation	3.320 rev/gal
Off Bottom Pressure	80 psi

Performance Details		
	NBR	NBR-HPX/HPW
Max Diff. Press.	710 psi	1110 psi
Stall Diff. Press.	1060 psi	1740 psi
Max Torque	530 ft-lb.	830 ft-lb.
Stall Torque	800 ft-lb.	1310 ft-lb.
Max WOB		10,000 lb.
Max Pull to Re-Run		60,000 lb.
Pull to Yield		100,000 lb.



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Martec Solutions

Model No. **288JTEC5670**

POWER SECTION 5:6 LOBES – 7.0 STAGES

Email: sales@martecsolutions.com

Rotor Specifications	
Overall Length	110.00 in.
Contour Length	106.00 in.
Major Diameter	1.658 in.
Eccentricity	0.122 in.
Head Diameter	1.650 in.
Thread Form	N/A
Weight	51 lbs.
Material	17-4 PH ¹

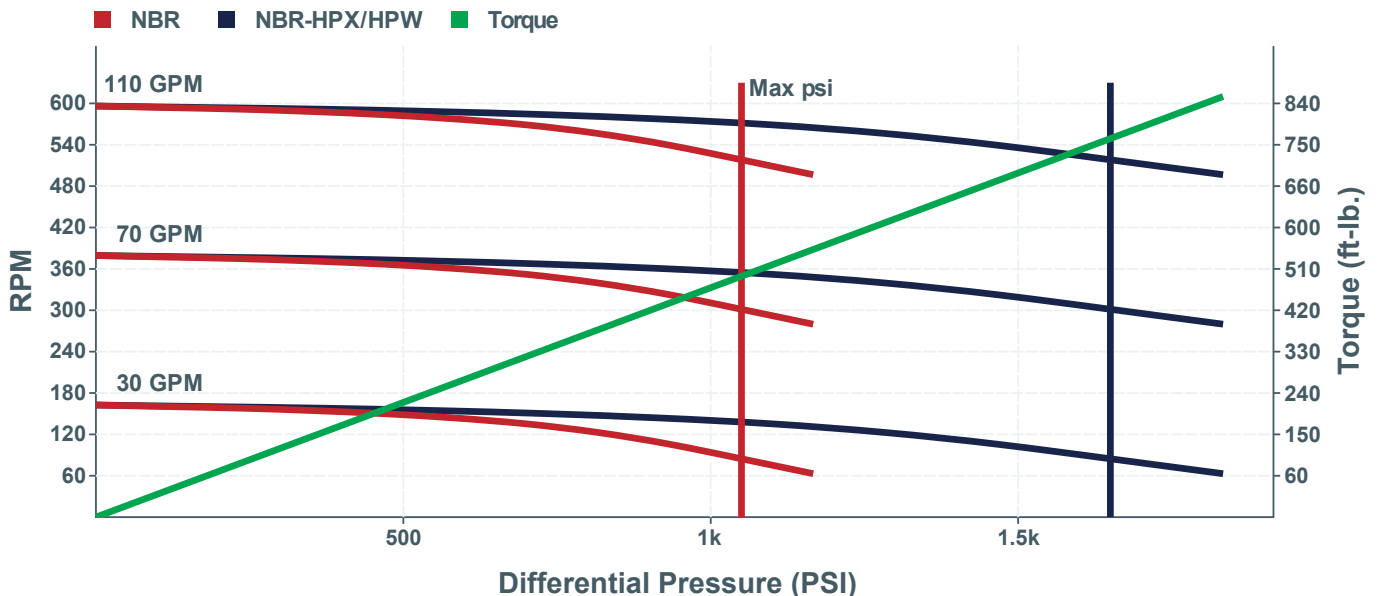
Stator Specifications	
Overall Length	117.00 in.
Tube OD	2.88 in.
Tube ID	2.38 in.
Rubber Cutback Top/End	8/8 in.
Weight	82 lbs.
Number of Stages	7.0
Tube Material	4140/4142 Alloy Steel
Rubber Options	NBR, NBR-HPX/HPW

NBR (in.)		Fits (+Compression / -Loose)				
Size	Minor ²	75°F	125°F	175°F	250°F	300°F ³
0.5 US	1.406	0.008	0.015	0.023	0.033	0.041
STD	1.412	0.002	0.009	0.016	0.027	0.035
0.5 OS	--	--	--	--	--	--
1 OS	--	--	--	--	--	--
1.5 OS	--	--	--	--	--	--
2 OS	--	--	--	--	--	--
2.5 OS	--	--	--	--	--	--

NBR-HPX/HPW (in.)		Fits (+Compression / -Loose)				
Size	Minor ²	75°F	125°F	175°F	250°F	300°F ³
0.5 US	1.406	0.008	0.015	0.023	0.033	0.041
STD	1.407	0.007	0.014	0.022	0.032	0.040
0.5 OS	--	--	--	--	--	--
1 OS	--	--	--	--	--	--
1.5 OS	--	--	--	--	--	--
2 OS	--	--	--	--	--	--
2.5 OS	--	--	--	--	--	--

Performance Specifications	
Flow Range	30 - 110 GPM
Speed Range	160 - 600 RPM
Torque Slope	0.47 ft.-lb./psi
Rotation	5.420 rev/gal
Off Bottom Pressure	80 psi

Performance Details		
	NBR	NBR-HPX/HPW
Max Diff. Press.	1050 psi	1650 psi
Stall Diff. Press.	1580 psi	2600 psi
Max Torque	500 ft.-lb.	780 ft.-lb.
Stall Torque	750 ft.-lb.	1220 ft.-lb.
Max WOB		10,000 lb.
Max Pull to Re-Run		60,000 lb.
Pull to Yield		100,000 lb.



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Model No. **313JTEC5635**

POWER SECTION 5:6 LOBES – 3.5 STAGES

Email: sales@martecsolutions.com

Rotor Specifications	
Overall Length	86.00 in.
Contour Length	82.00 in.
Major Diameter	2.174 in.
Eccentricity	0.155 in.
Head Diameter	2.175 in.
Thread Form	N/A
Weight	69 lbs.
Material	17-4 PH ¹

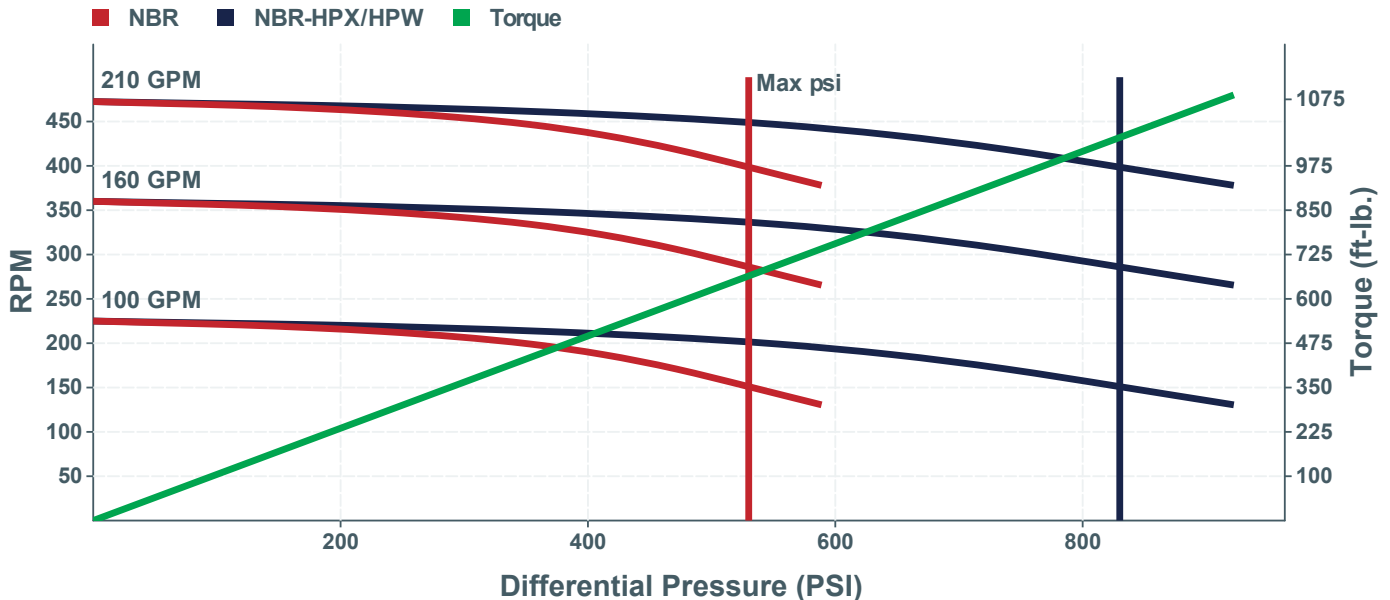
Stator Specifications	
Overall Length	88.00 in.
Tube OD	3.13 in.
Tube ID	2.63 in.
Rubber Cutback Top/End	4/4 in.
Weight	65 lbs.
Number of Stages	3.5
Tube Material	4140/4142 Alloy Steel
Rubber Options	NBR, NBR-HPX/HPW

NBR (in.)		Fits (+Compression / -Loose)				
Size	Minor ²	75°F	125°F	175°F	250°F	300°F ³
0.5 US	--	--	--	--	--	--
STD	1.870	-0.007	-0.002	0.003	0.010	0.015
0.5 OS	--	--	--	--	--	--
1 OS	1.881	-0.018	-0.013	-0.008	-0.001	0.004
1.5 OS	--	--	--	--	--	--
2 OS	--	--	--	--	--	--
2.5 OS	--	--	--	--	--	--

NBR-HPX/HPW (in.)		Fits (+Compression / -Loose)				
Size	Minor ²	75°F	125°F	175°F	250°F	300°F ³
0.5 US	--	--	--	--	--	--
STD	1.868	-0.005	0.000	0.005	0.012	0.017
0.5 OS	--	--	--	--	--	--
1 OS	1.879	-0.016	-0.011	-0.006	0.001	0.006
1.5 OS	--	--	--	--	--	--
2 OS	--	--	--	--	--	--
2.5 OS	--	--	--	--	--	--

Performance Specifications	
Flow Range	100 - 210 GPM
Speed Range	230 - 470 RPM
Torque Slope	1.20 ft-lb./psi
Rotation	2.250 rev/gal
Off Bottom Pressure	90 psi

Performance Details		
	NBR	NBR-HPX/HPW
Max Diff. Press.	530 psi	830 psi
Stall Diff. Press.	790 psi	1300 psi
Max Torque	630 ft-lb.	990 ft-lb.
Stall Torque	950 ft-lb.	1560 ft-lb.
Max WOB		15,000 lb.
Max Pull to Re-Run		80,000 lb.
Pull to Yield		120,000 lb.



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Model No. **313JTEC5650**

POWER SECTION 5:6 LOBES – 5.0 STAGES

Email: sales@martecsolutions.com

Rotor Specifications	
Overall Length	101.50 in.
Contour Length	97.00 in.
Major Diameter	2.073 in.
Eccentricity	0.148 in.
Head Diameter	1.850 in.
Thread Form	N/A
Weight	74 lbs.
Material	17-4 PH ¹

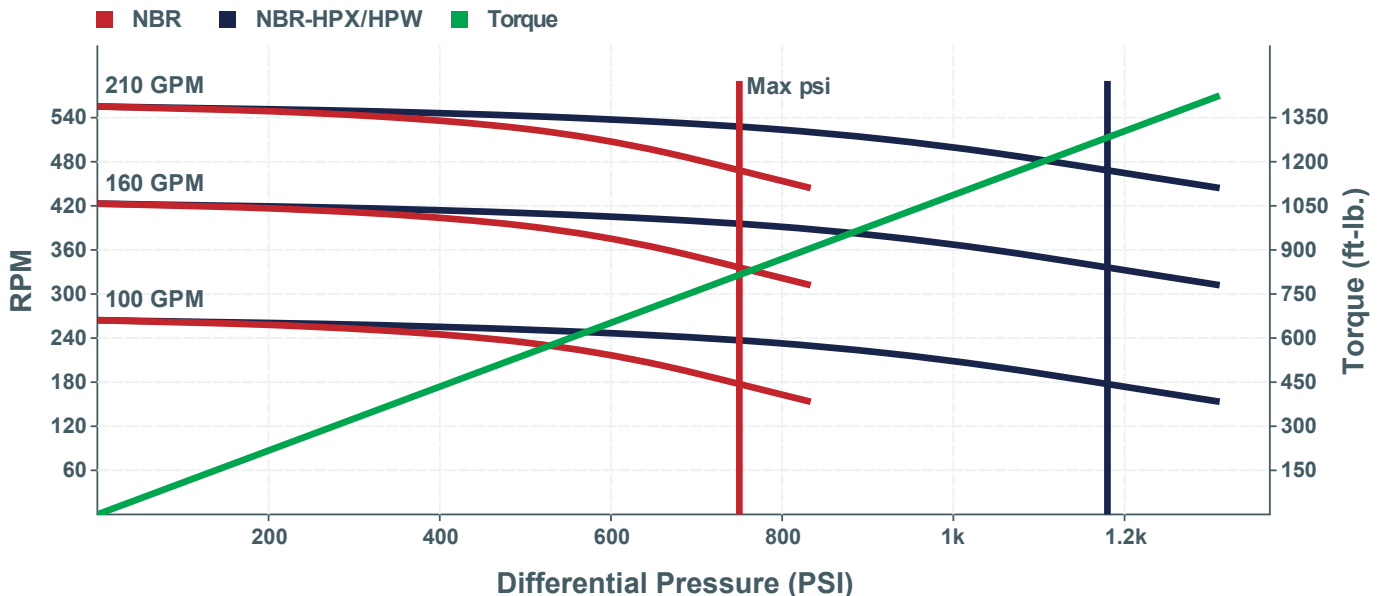
Stator Specifications	
Overall Length	106.00 in.
Tube OD	3.13 in.
Tube ID	2.63 in.
Rubber Cutback Top/End	5.63/5.63 in.
Weight	79 lbs.
Number of Stages	5.0
Tube Material	4140/4142 Alloy Steel
Rubber Options	NBR, NBR-HPX/HPW

NBR (in.)		Fits (+Compression / -Loose)				
Size	Minor ²	75°F	125°F	175°F	250°F	300°F ³
0.5 US	--	--	--	--	--	--
STD	1.782	-0.005	0.000	0.006	0.014	0.020
0.5 OS	--	--	--	--	--	--
1 OS	1.792	-0.015	-0.010	-0.004	0.004	0.009
1.5 OS	--	--	--	--	--	--
2 OS	--	--	--	--	--	--
2.5 OS	--	--	--	--	--	--

NBR-HPX/HPW (in.)		Fits (+Compression / -Loose)				
Size	Minor ²	75°F	125°F	175°F	250°F	300°F ³
0.5 US	--	--	--	--	--	--
STD	1.780	-0.003	0.002	0.008	0.016	0.022
0.5 OS	--	--	--	--	--	--
1 OS	1.790	-0.013	-0.008	-0.002	0.006	0.011
1.5 OS	--	--	--	--	--	--
2 OS	--	--	--	--	--	--
2.5 OS	--	--	--	--	--	--

Performance Specifications	
Flow Range	100 - 210 GPM
Speed Range	260 - 560 RPM
Torque Slope	1.04 ft.-lb./psi
Rotation	2.644 rev/gal
Off Bottom Pressure	110 psi

Performance Details		
	NBR	NBR-HPX/HPW
Max Diff. Press.	750 psi	1180 psi
Stall Diff. Press.	1130 psi	1860 psi
Max Torque	780 ft.-lb.	1230 ft.-lb.
Stall Torque	1170 ft.-lb.	1930 ft.-lb.
Max WOB		15,000 lb.
Max Pull to Re-Run		80,000 lb.
Pull to Yield		120,000 lb.



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Model No. **313JTEC7825**

POWER SECTION 7:8 LOBES – 2.5 STAGES

Email: sales@martecsolutions.com

Rotor Specifications	
Overall Length	93.00 in.
Contour Length	86.50 in.
Major Diameter	2.120 in.
Eccentricity	0.122 in.
Head Diameter	2.060 in.
Thread Form	N/A
Weight	75 lbs.
Material	17-4 PH ¹

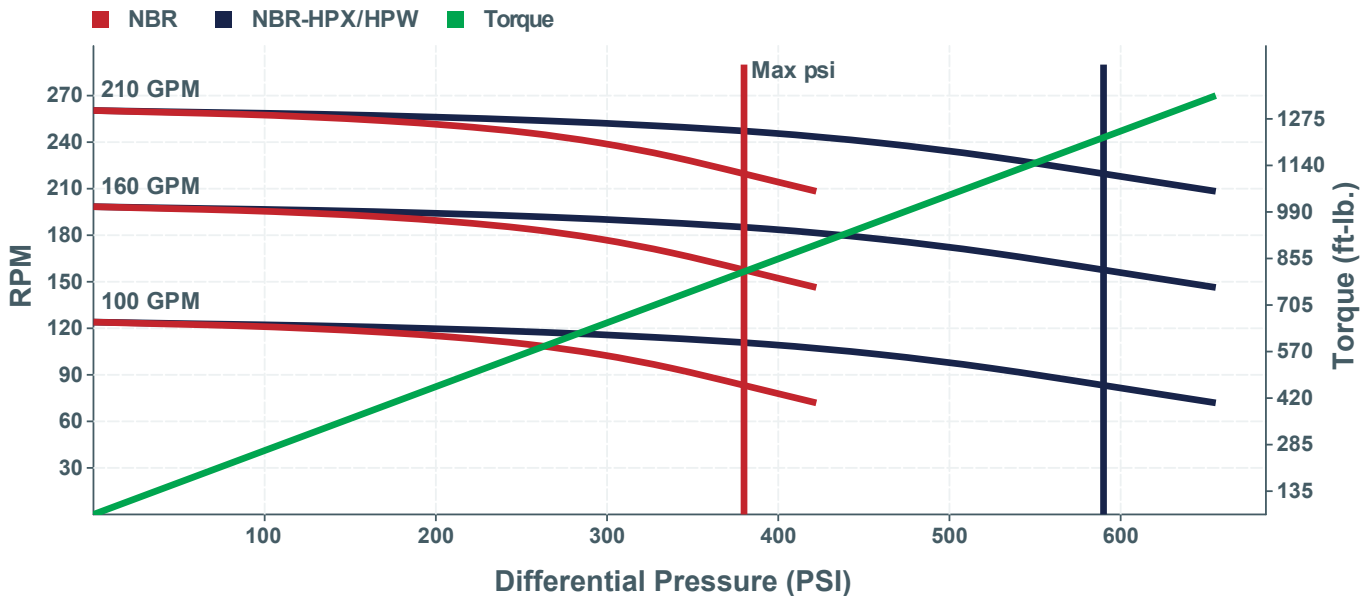
Stator Specifications	
Overall Length	99.88 in.
Tube OD	3.13 in.
Tube ID	2.63 in.
Rubber Cutback Top/End	7/7 in.
Weight	74 lbs.
Number of Stages	2.5
Tube Material	4140/4142 Alloy Steel
Rubber Options	NBR, NBR-HPX/HPW

NBR (in.)		Fits (+Compression / -Loose)				
Size	Minor ²	75°F	125°F	175°F	250°F	300°F ³
0.5 US	--	--	--	--	--	--
STD	1.882	-0.006	-0.001	0.003	0.010	0.014
0.5 OS	--	--	--	--	--	--
1 OS	1.893	-0.017	-0.013	-0.008	-0.001	0.003
1.5 OS	--	--	--	--	--	--
2 OS	--	--	--	--	--	--
2.5 OS	--	--	--	--	--	--

NBR-HPX/HPW (in.)		Fits (+Compression / -Loose)				
Size	Minor ²	75°F	125°F	175°F	250°F	300°F ³
0.5 US	--	--	--	--	--	--
STD	1.880	-0.004	0.001	0.005	0.012	0.016
0.5 OS	--	--	--	--	--	--
1 OS	1.891	-0.015	-0.011	-0.006	0.001	0.005
1.5 OS	--	--	--	--	--	--
2 OS	--	--	--	--	--	--
2.5 OS	--	--	--	--	--	--

Performance Specifications	
Flow Range	100 - 210 GPM
Speed Range	120 - 260 RPM
Torque Slope	1.97 ft-lb./psi
Rotation	1.240 rev/gal
Off Bottom Pressure	60 psi

Performance Details		
	NBR	NBR-HPX/HPW
Max Diff. Press.	380 psi	590 psi
Stall Diff. Press.	570 psi	930 psi
Max Torque	740 ft-lb.	1160 ft-lb.
Stall Torque	1110 ft-lb.	1830 ft-lb.
Max WOB		15,000 lb.
Max Pull to Re-Run		80,000 lb.
Pull to Yield		120,000 lb.



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Model No. 313JTEC7830

POWER SECTION 7:8 LOBES – 3.0 STAGES

Email: sales@martecsolutions.com

Rotor Specifications	
Overall Length	101.00 in.
Contour Length	97.00 in.
Major Diameter	1.971 in.
Eccentricity	0.109 in.
Head Diameter	2.000 in.
Thread Form	N/A
Weight	72 lbs.
Material	17-4 PH ¹

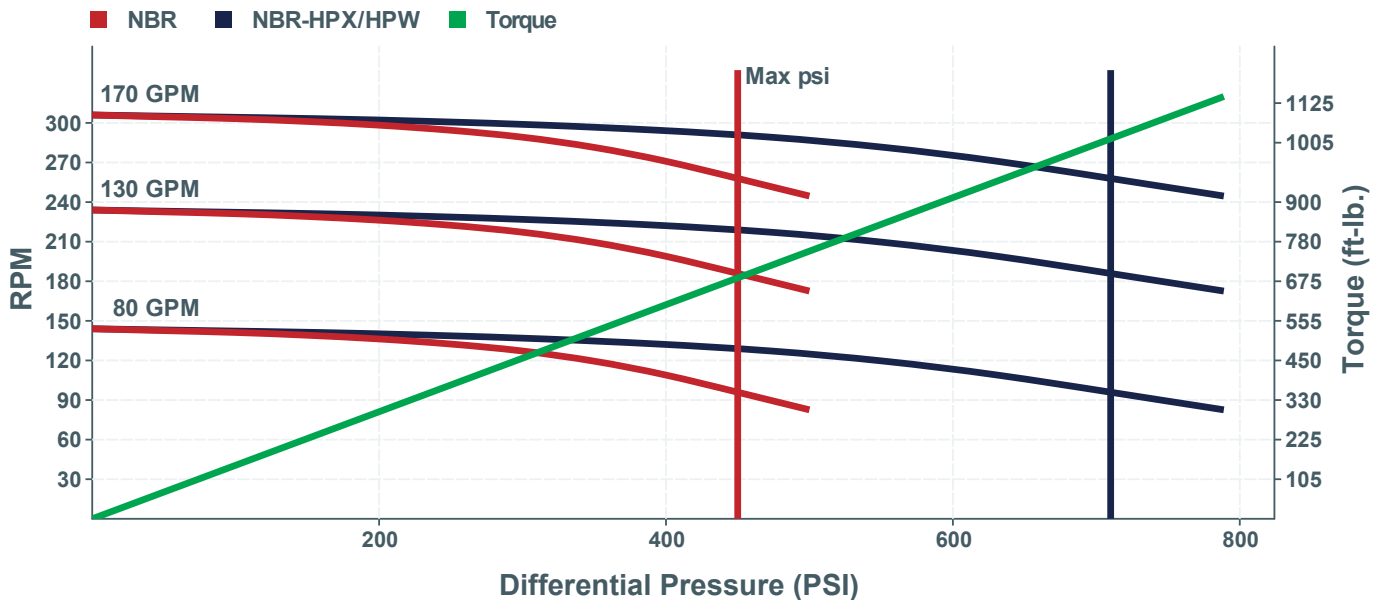
Stator Specifications	
Overall Length	106.00 in.
Tube OD	3.13 in.
Tube ID	2.63 in.
Rubber Cutback Top/End	5/5 in.
Weight	80 lbs.
Number of Stages	3.0
Tube Material	4140/4142 Alloy Steel
Rubber Options	NBR, NBR-HPX/HPW

NBR (in.)		Fits (+Compression / -Loose)				
Size	Minor ²	75°F	125°F	175°F	250°F	300°F ³
0.5 US	--	--	--	--	--	--
STD	1.750	0.003	0.008	0.013	0.020	0.025
0.5 OS	--	--	--	--	--	--
1 OS	1.759	-0.006	-0.001	0.004	0.011	0.015
1.5 OS	--	--	--	--	--	--
2 OS	--	--	--	--	--	--
2.5 OS	--	--	--	--	--	--

NBR-HPX/HPW (in.)		Fits (+Compression / -Loose)				
Size	Minor ²	75°F	125°F	175°F	250°F	300°F ³
0.5 US	--	--	--	--	--	--
STD	1.750	0.003	0.008	0.013	0.020	0.025
0.5 OS	--	--	--	--	--	--
1 OS	1.759	-0.006	-0.001	0.004	0.011	0.015
1.5 OS	--	--	--	--	--	--
2 OS	--	--	--	--	--	--
2.5 OS	--	--	--	--	--	--

Performance Specifications	
Flow Range	80 - 170 GPM
Speed Range	140 - 310 RPM
Torque Slope	1.44 ft.-lb./psi
Rotation	1.800 rev/gal
Off Bottom Pressure	60 psi

Performance Details		
	NBR	NBR-HPX/HPW
Max Diff. Press.	450 psi	710 psi
Stall Diff. Press.	680 psi	1120 psi
Max Torque	650 ft.-lb.	1020 ft.-lb.
Stall Torque	980 ft.-lb.	1600 ft.-lb.
Max WOB		15,000 lb.
Max Pull to Re-Run		80,000 lb.
Pull to Yield		120,000 lb.



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Model No. **338JTEC5632**

POWER SECTION 5:6 LOBES – 3.2 STAGES

Email: sales@martecsolutions.com

Rotor Specifications	
Overall Length	90.00 in.
Contour Length	84.00 in.
Major Diameter	2.228 in.
Eccentricity	0.161 in.
Head Diameter	2.250 in.
Thread Form	N/A
Weight	74 lbs.
Material	17-4 PH ¹

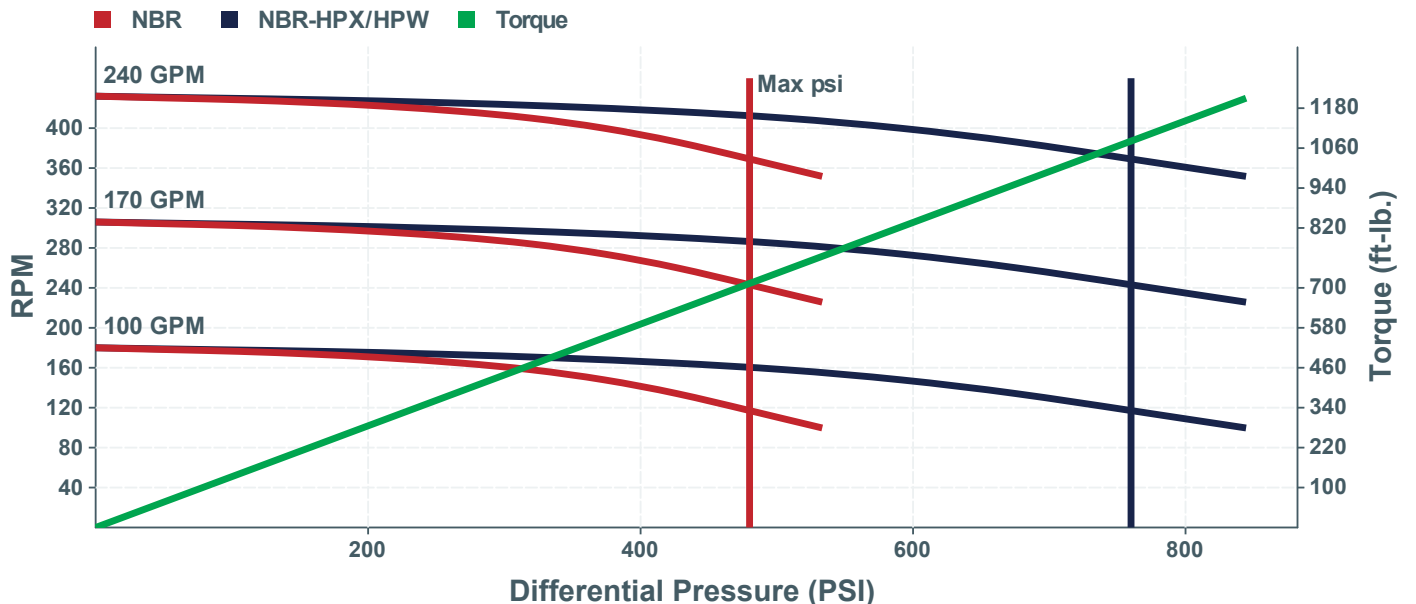
Stator Specifications	
Overall Length	94.00 in.
Tube OD	3.38 in.
Tube ID	2.75 in.
Rubber Cutback Top/End	7/7 in.
Weight	90 lbs.
Number of Stages	3.2
Tube Material	4140/4142 Alloy Steel
Rubber Options	NBR, NBR-HPX/HPW

NBR (in.)		Fits (+Compression / -Loose)				
Size	Minor ²	75°F	125°F	175°F	250°F	300°F ³
0.5 US	--	--	--	--	--	--
STD	1.904	0.002	0.007	0.013	0.021	0.027
0.5 OS	--	--	--	--	--	--
1 OS	1.911	-0.005	0.000	0.006	0.014	0.020
1.5 OS	--	--	--	--	--	--
2 OS	--	--	--	--	--	--
2.5 OS	--	--	--	--	--	--

NBR-HPX/HPW (in.)		Fits (+Compression / -Loose)				
Size	Minor ²	75°F	125°F	175°F	250°F	300°F ³
0.5 US	--	--	--	--	--	--
STD	1.902	0.004	0.010	0.015	0.023	0.029
0.5 OS	--	--	--	--	--	--
1 OS	1.909	-0.003	0.002	0.008	0.016	0.022
1.5 OS	--	--	--	--	--	--
2 OS	--	--	--	--	--	--
2.5 OS	--	--	--	--	--	--

Performance Specifications	
Flow Range	100 - 240 GPM
Speed Range	170 - 420 RPM
Torque Slope	1.40 ft.-lb./psi
Rotation	1.800 rev/gal
Off Bottom Pressure	80 psi

Performance Details		
	NBR	NBR-HPX/HPW
Max Diff. Press.	480 psi	760 psi
Stall Diff. Press.	720 psi	1190 psi
Max Torque	680 ft.-lb.	1060 ft.-lb.
Stall Torque	1010 ft.-lb.	1660 ft.-lb.
Max WOB		16,000 lb.
Max Pull to Re-Run		80,000 lb.
Pull to Yield		135,000 lb.



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Model No. **350JTEC4532**

POWER SECTION 4:5 LOBES – 3.2 STAGES

Email: sales@martecsolutions.com

Rotor Specifications	
Overall Length	97.00 in.
Contour Length	91.00 in.
Major Diameter	2.245 in.
Eccentricity	0.185 in.
Head Diameter	2.250 in.
Thread Form	N/A
Weight	78 lbs.
Material	17-4 PH ¹

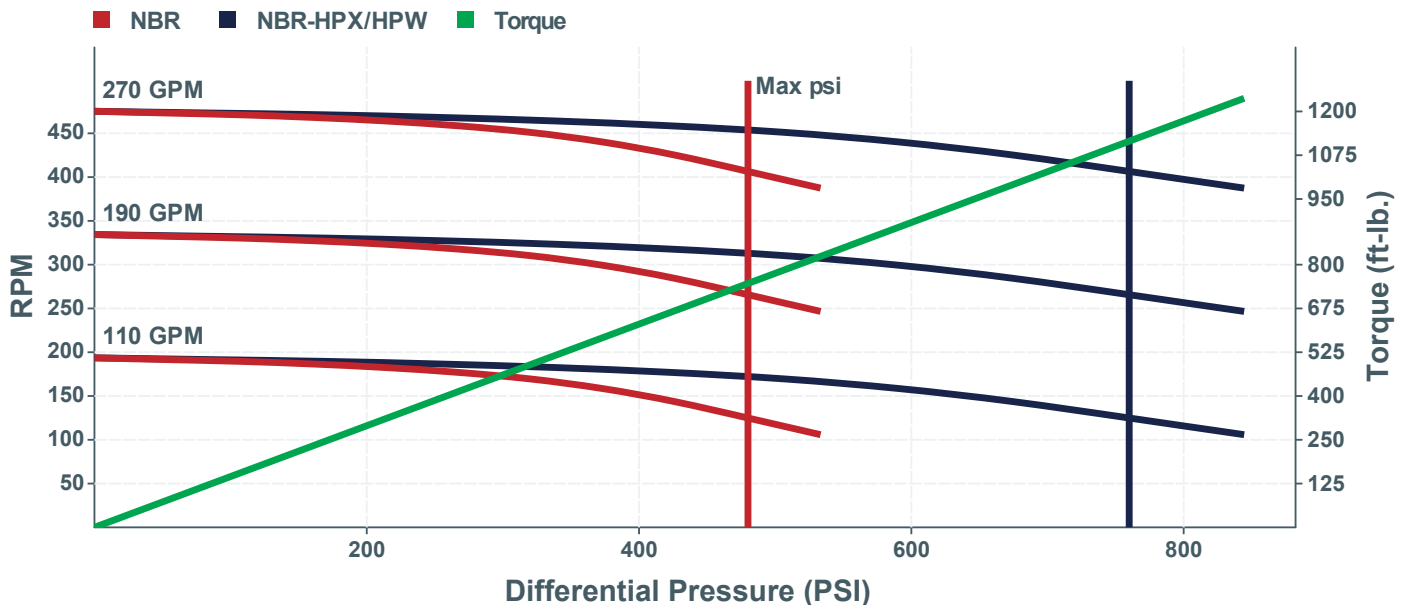
Stator Specifications	
Overall Length	100.00 in.
Tube OD	3.50 in.
Tube ID	2.88 in.
Rubber Cutback Top/End	6/6 in.
Weight	101 lbs.
Number of Stages	3.2
Tube Material	4140/4142 Alloy Steel
Rubber Options	NBR, NBR-HPX/HPW

NBR (in.)		Fits (+Compression / -Loose)				
Size	Minor ²	75°F	125°F	175°F	250°F	300°F ³
0.5 US	--	--	--	--	--	--
STD	1.874	0.002	0.011	0.021	0.035	0.044
0.5 OS	--	--	--	--	--	--
1 OS	1.884	-0.008	0.001	0.010	0.024	0.034
1.5 OS	--	--	--	--	--	--
2 OS	--	--	--	--	--	--
2.5 OS	--	--	--	--	--	--

NBR-HPX/HPW (in.)		Fits (+Compression / -Loose)				
Size	Minor ²	75°F	125°F	175°F	250°F	300°F ³
0.5 US	--	--	--	--	--	--
STD	1.872	0.004	0.013	0.023	0.037	0.046
0.5 OS	--	--	--	--	--	--
1 OS	1.882	-0.006	0.003	0.012	0.027	0.036
1.5 OS	--	--	--	--	--	--
2 OS	--	--	--	--	--	--
2.5 OS	--	--	--	--	--	--

Performance Specifications	
Flow Range	110 - 270 GPM
Speed Range	190 - 480 RPM
Torque Slope	1.46 ft.-lb./psi
Rotation	1.760 rev/gal
Off Bottom Pressure	90 psi

Performance Details		
	NBR	NBR-HPX/HPW
Max Diff. Press.	480 psi	760 psi
Stall Diff. Press.	720 psi	1190 psi
Max Torque	710 ft.-lb.	1100 ft.-lb.
Stall Torque	1060 ft.-lb.	1730 ft.-lb.
Max WOB		18,000 lb.
Max Pull to Re-Run		80,000 lb.
Pull to Yield		150,000 lb.



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Model No. 350JTEC5630

POWER SECTION 5:6 LOBES – 3.0 STAGES

Email: sales@martecsolutions.com

Rotor Specifications	
Overall Length	76.25 in.
Contour Length	72.25 in.
Major Diameter	2.157 in.
Eccentricity	0.134 in.
Head Diameter	2.000 in.
Thread Form	N/A
Weight	62 lbs.
Material	17-4 PH ¹

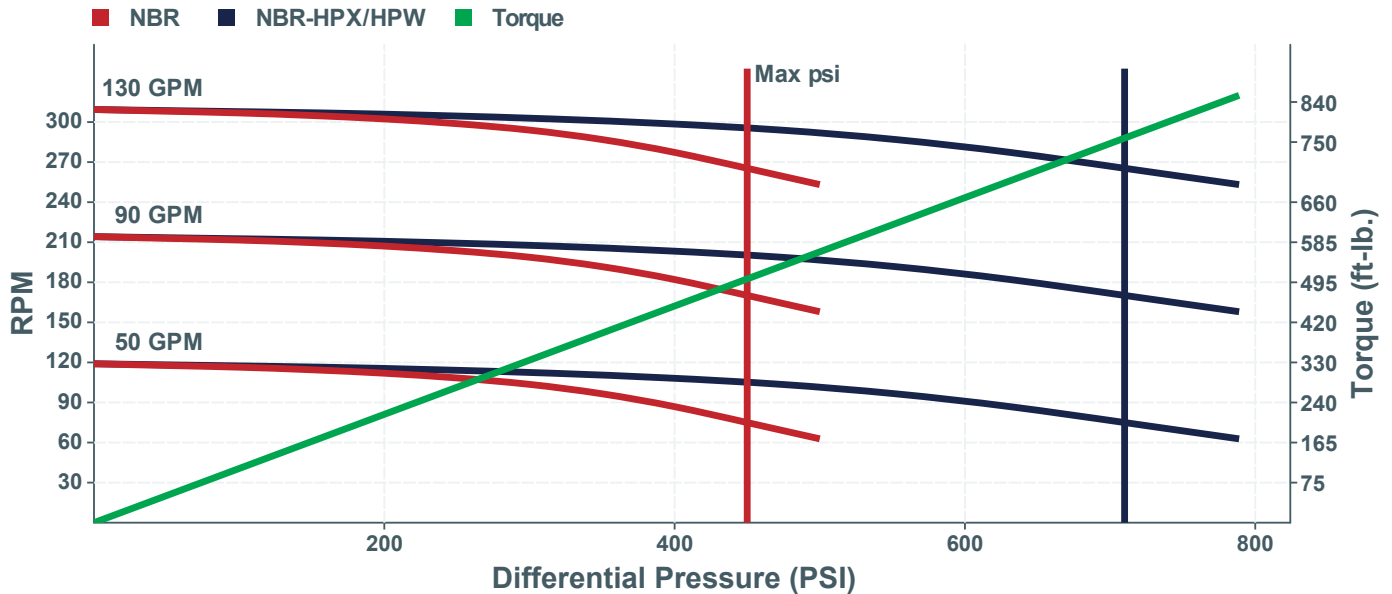
Stator Specifications	
Overall Length	80.00 in.
Tube OD	3.50 in.
Tube ID	2.75 in.
Rubber Cutback Top/End	6/6 in.
Weight	93 lbs.
Number of Stages	3.0
Tube Material	4140/4142 Alloy Steel
Rubber Options	NBR, NBR-HPX/HPW

NBR (in.)		Fits (+Compression / -Loose)				
Size	Minor ²	75°F	125°F	175°F	250°F	300°F ³
0.5 US	--	--	--	--	--	--
STD	1.895	-0.006	0.003	0.011	0.023	0.031
0.5 OS	--	--	--	--	--	--
1 OS	1.915	-0.026	-0.018	-0.010	0.002	0.010
1.5 OS	--	--	--	--	--	--
2 OS	--	--	--	--	--	--
2.5 OS	--	--	--	--	--	--

NBR-HPX/HPW (in.)		Fits (+Compression / -Loose)				
Size	Minor ²	75°F	125°F	175°F	250°F	300°F ³
0.5 US	--	--	--	--	--	--
STD	1.891	-0.002	0.007	0.015	0.027	0.035
0.5 OS	--	--	--	--	--	--
1 OS	1.911	-0.022	-0.014	-0.006	0.006	0.014
1.5 OS	--	--	--	--	--	--
2 OS	--	--	--	--	--	--
2.5 OS	--	--	--	--	--	--

Performance Specifications	
Flow Range	50 - 130 GPM
Speed Range	120 - 310 RPM
Torque Slope	1.07 ft.-lb./psi
Rotation	2.380 rev/gal
Off Bottom Pressure	50 psi

Performance Details		
	NBR	NBR-HPX/HPW
Max Diff. Press.	450 psi	710 psi
Stall Diff. Press.	680 psi	1120 psi
Max Torque	490 ft.-lb.	760 ft.-lb.
Stall Torque	730 ft.-lb.	1190 ft.-lb.
Max WOB		18,000 lb.
Max Pull to Re-Run		80,000 lb.
Pull to Yield		150,000 lb.



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Model No. 375JTEC5648

POWER SECTION 5:6 LOBES – 4.8 STAGES

Email: sales@martecsolutions.com

Rotor Specifications	
Overall Length	120.50 in.
Contour Length	116.00 in.
Major Diameter	2.432 in.
Eccentricity	0.172 in.
Head Diameter	2.400 in.
Thread Form	N/A
Weight	116 lbs
Material	17-4 PH ¹

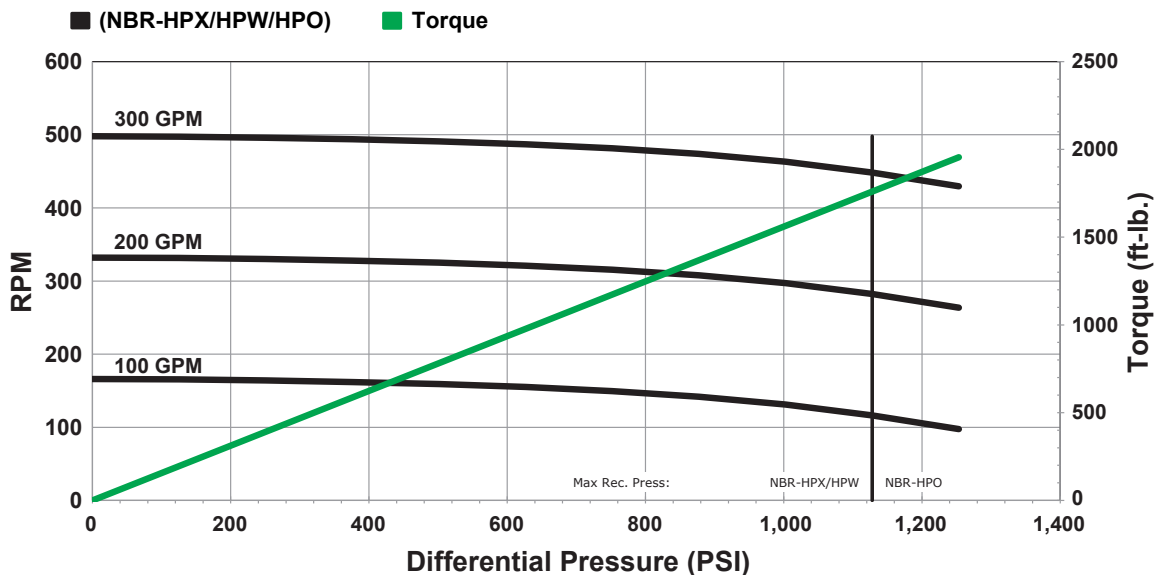
Stator Specifications	
Overall Length	124.50 in.
Tube OD	3.75 in.
Tube ID	3.13 in.
Rubber Cutback Top/End	6/6 in.
Weight	138 lbs
Number of Stages	4.8
Tube Material	4140/4142 Alloy Steel
Rubber Options	NBR, NBR-HPX/HPW, NBR-HPO

NBR-HPO (in.)		Fits (+Compression / -Loose)				
Size	Minor ²	75°F	125°F	175°F	250°F	300°F ³
0.5 US	--	--	--	--	--	--
STD	2.092	-0.004	0.006	0.016	0.031	0.041
0.5 OS	--	--	--	--	--	--
1 OS	2.106	-0.018	-0.008	0.002	0.016	0.026
1.5 OS	--	--	--	--	--	--
2 OS	--	--	--	--	--	--
2.5 OS	--	--	--	--	--	--

NBR-HPX/HPW (in.)		Fits (+Compression / -Loose)				
Size	Minor ²	75°F	125°F	175°F	250°F	300°F ³
0.5 US	--	--	--	--	--	--
STD	2.092	-0.004	0.006	0.016	0.031	0.041
0.5 OS	--	--	--	--	--	--
1 OS	2.106	-0.018	-0.008	0.002	0.016	0.026
1.5 OS	--	--	--	--	--	--
2 OS	--	--	--	--	--	--
2.5 OS	--	--	--	--	--	--

Performance Specifications	
Flow Range	100 – 300 GPM
Speed Range	170 – 500 RPM
Torque Slope	1.56 ft.-lb./psi
Rotation	1.660 rev/gal
Off Bottom Pressure	110 psi

Performance Details		
	NBR-HPX/HPW	NBR-HPO
Max Diff. Press.	1130 psi	1130 psi
Stall Diff. Press.	1780 psi	1780 psi
Max Torque	1760 ft.-lb.	1760 ft.-lb.
Stall Torque	2780 ft.-lb.	2780 ft.-lb.
Max WOB		18,000 lb.
Max Pull to Re-Run		80,000 lb.
Pull to Yield		150,000 lb.



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Model No. **475JTEC5683**

POWER SECTION 5:6 LOBES – 8.3 STAGES

Email: sales@martecsolutions.com

Rotor Specifications	
Overall Length	229.50 in.
Contour Length	223.00 in.
Major Diameter	2.916 in.
Eccentricity	0.207 in.
Head Diameter	3.125 in.
Thread Form	2.375 HEF Modified
Weight	333 lbs.
Material	17-4 PH ¹

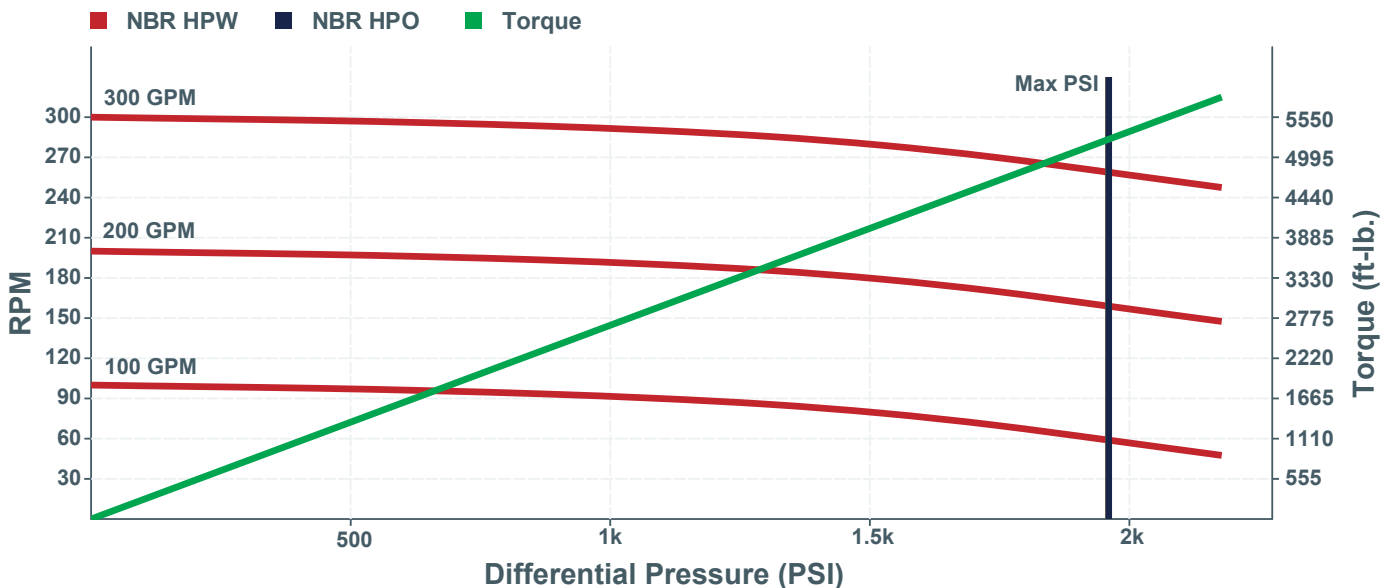
Stator Specifications	
Overall Length	242.50 in.
Tube OD	4.75 in.
Tube ID	3.75 in.
Rubber Cutback Top/End	8/8 in.
Weight	506 lbs.
Number of Stages	8.3 in.
Tube Material	4140/4142 Alloy Steel
Rubber Options	NBR HPW, NBR HPO

NBR HPW (in.)		Fits (+Compression / -Loose)				
Size	Minor ²	75°F	125°F	175°F	250°F	300°F ³
0.5 US	--	--	--	--	--	--
STD	2.488	0.014	0.027	0.041	0.060	0.074
0.5 OS	2.498	0.004	0.017	0.030	0.050	0.063
1 OS	2.509	-0.007	0.006	0.019	0.039	0.052
1.5 OS	2.524	-0.022	-0.009	0.004	0.023	0.036
2 OS	2.541	-0.039	-0.026	-0.014	0.018	
2.5 OS	2.560	-0.058	-0.046	-0.033	-0.014	-0.002

NBR HPO (in.)		Fits (+Compression / -Loose)				
Size	Minor ²	75°F	125°F	175°F	250°F	300°F ³
0.5 US	--	--	--	--	--	--
STD	2.488	0.014	0.027	0.041	0.060	0.074
0.5 OS	2.498	0.004	0.017	0.030	0.050	0.063
1 OS	2.509	-0.007	0.006	0.019	0.039	0.052
1.5 OS	2.524	-0.022	-0.009	0.004	0.023	0.036
2 OS	2.541	-0.039	-0.026	-0.014	0.018	
2.5 OS	2.560	-0.058	-0.046	-0.033	-0.014	-0.002

Performance Specifications	
Flow Range	100 - 300 GPM
Speed Range	100 - 300 RPM
Torque Slope	2.55 ft-lb./psi
Rotation	1.000 rev/gal
Off Bottom Pressure	100 psi

Performance Details		
	NBR HPW	NBR HPO
Max Diff. Press.	1960 psi	1960 psi
Stall Diff. Press.	3080 psi	3080 psi
Max Torque	4980 ft-lb.	4980 ft-lb.
Stall Torque	7840 ft-lb.	7840 ft-lb.
Max WOB		25,000 lb.
Max Pull to Re-Run		100,000 lb.
Pull to Yield		300,000 lb.



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Model No. **475JTEC7826**

POWER SECTION 7:8 LOBES – 2.6 STAGES

Email: sales@martecsolutions.com

Rotor Specifications	
Overall Length	220.00 in.
Contour Length	214.25 in.
Major Diameter	3.095 in.
Eccentricity	0.174 in.
Head Diameter	2.750 in.
Thread Form	2.375 HEF Modified
Weight	381 lbs.
Material	17-4 PH ¹

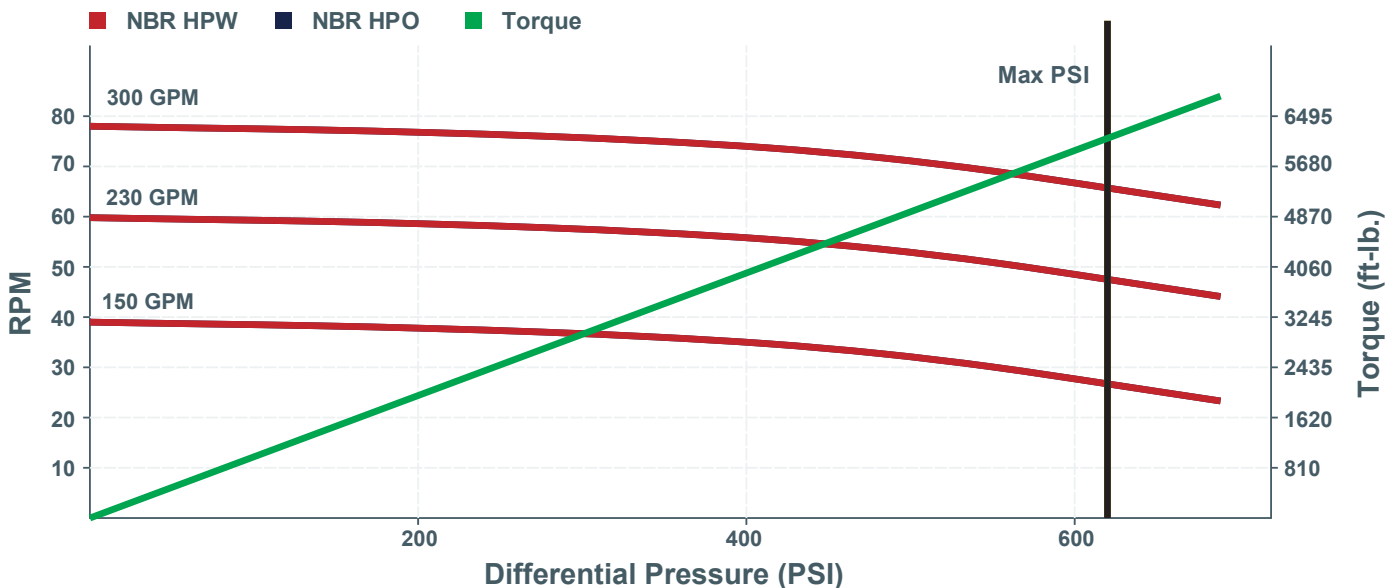
Stator Specifications	
Overall Length	229.25 in.
Tube OD	4.75 in.
Tube ID	3.75 in.
Rubber Cutback Top/End	8/8 in.
Weight	407 lbs.
Number of Stages	2.6 in.
Tube Material	4140/4142 Alloy Steel
Rubber Options	NBR HPW, NBR HPO

NBR HPW (in.)		Fits (+Compression / -Loose)				
Size	Minor ²	75°F	125°F	175°F	250°F	300°F ³
0.5 US	2.734	0.014	0.027	0.041	0.061	0.074
STD	2.750	-0.002	0.011	0.024	0.044	0.057
0.5 OS	2.762	-0.014	-0.001	0.012	0.032	0.045
1 OS	2.772	-0.024	-0.011	0.002	0.021	0.034
1.5 OS	2.782	-0.034	-0.021	-0.008	0.011	0.024
2 OS	2.789	-0.041	-0.028	-0.015	0.016	
2.5 OS	--	--	--	--	--	--

NBR HPO (in.)		Fits (+Compression / -Loose)				
Size	Minor ²	75°F	125°F	175°F	250°F	300°F ³
0.5 US	2.734	0.014	0.027	0.041	0.061	0.074
STD	2.750	-0.002	0.011	0.024	0.044	0.057
0.5 OS	2.762	-0.014	-0.001	0.012	0.032	0.045
1 OS	2.772	-0.024	-0.011	0.002	0.021	0.034
1.5 OS	2.782	-0.034	-0.021	-0.008	0.011	0.024
2 OS	2.789	-0.041	-0.028	-0.015	0.016	
2.5 OS	--	--	--	--	--	--

Performance Specifications	
Flow Range	150 - 300 GPM
Speed Range	40 - 80 RPM
Torque Slope	9.44 ft-lb./psi
Rotation	0.260 rev/gal
Off Bottom Pressure	40 psi

Performance Details		
	NBR HPW	NBR HPO
Max Diff. Press.	620 psi	620 psi
Stall Diff. Press.	970 psi	970 psi
Max Torque	5770 ft-lb.	5770 ft-lb.
Stall Torque	9090 ft-lb.	9090 ft-lb.
Max WOB		25,000 lb.
Max Pull to Re-Run		100,000 lb.
Pull to Yield		300,000 lb.



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Model No. **475JTEC7838**

POWER SECTION 7:8 LOBES – 3.8 STAGES

Email: sales@martecsolutions.com

Rotor Specifications	
Overall Length	178.00 in.
Contour Length	172.25 in.
Major Diameter	2.945 in.
Eccentricity	0.163 in.
Head Diameter	2.750 in.
Thread Form	2.375 HEF Modified
Weight	283 lbs.
Material	17-4 PH ¹

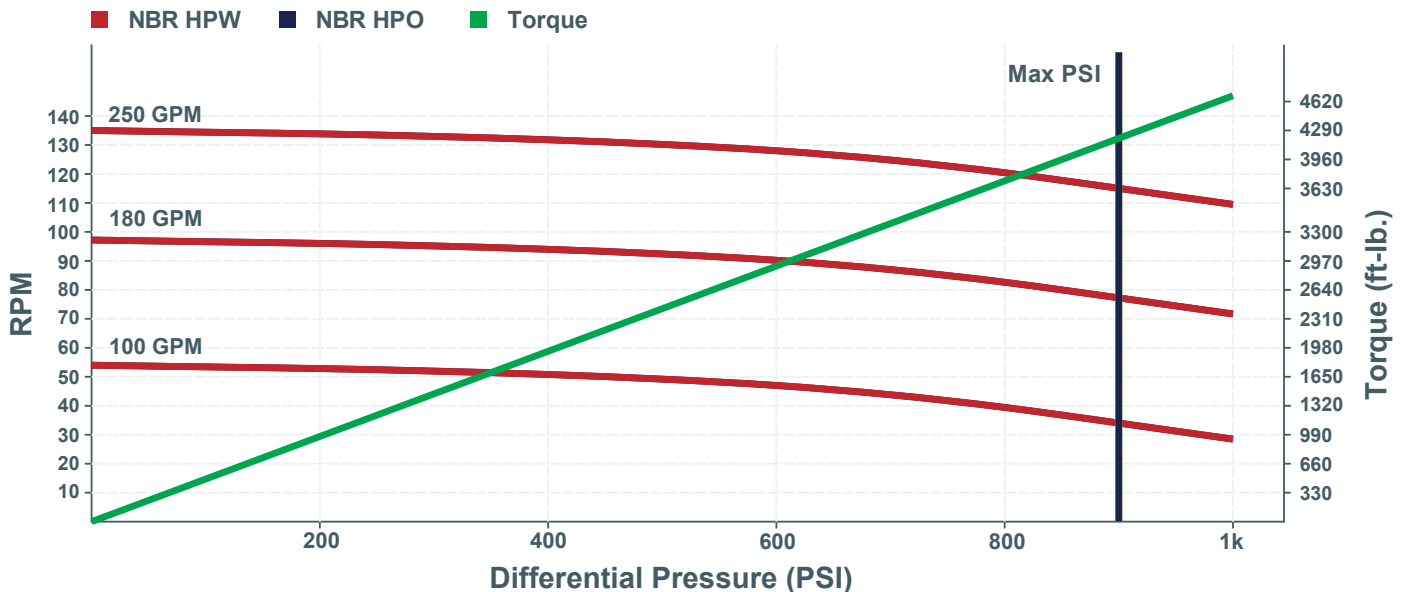
Stator Specifications	
Overall Length	187.00 in.
Tube OD	4.75 in.
Tube ID	3.75 in.
Rubber Cutback Top/End	8/8 in.
Weight	397 lbs.
Number of Stages	3.8 in.
Tube Material	4140/4142 Alloy Steel
Rubber Options	NBR HPW, NBR HPO

NBR HPW (in.)		Fits (+Compression / -Loose)				
Size	Minor ²	75°F	125°F	175°F	250°F	300°F ³
0.5 US	--	--	--	--	--	--
STD	2.600	0.019	0.031	0.044	0.062	0.074
0.5 OS	2.610	0.009	0.021	0.033	0.052	0.064
1 OS	2.620	-0.001	0.011	0.023	0.041	0.053
1.5 OS	2.631	-0.012	0.000	0.012	0.030	0.042
2 OS	2.651	-0.032	-0.020	-0.008	0.021	
2.5 OS	--	--	--	--	--	--

NBR HPO (in.)		Fits (+Compression / -Loose)				
Size	Minor ²	75°F	125°F	175°F	250°F	300°F ³
0.5 US	--	--	--	--	--	--
STD	2.600	0.019	0.031	0.044	0.062	0.074
0.5 OS	2.610	0.009	0.021	0.033	0.052	0.064
1 OS	2.620	-0.001	0.011	0.023	0.041	0.053
1.5 OS	2.631	-0.012	0.000	0.012	0.030	0.042
2 OS	2.651	-0.032	-0.020	-0.008	0.021	
2.5 OS	--	--	--	--	--	--

Performance Specifications	
Flow Range	100 - 250 GPM
Speed Range	50 - 140 RPM
Torque Slope	4.62 ft-lb./psi
Rotation	0.540 rev/gal
Off Bottom Pressure	50 psi

Performance Details		
	NBR HPW	NBR HPO
Max Diff. Press.	900 psi	900 psi
Stall Diff. Press.	1410 psi	1410 psi
Max Torque	4130 ft-lb.	4130 ft-lb.
Stall Torque	6500 ft-lb.	6500 ft-lb.
Max WOB		25,000 lb.
Max Pull to Re-Run		100,000 lb.
Pull to Yield		300,000 lb.



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Model No. **475JTEC7850**

POWER SECTION 7:8 LOBES – 5.0 STAGES

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Rotor Specifications	
Overall Length	186.00 in.
Contour Length	180.00 in.
Major Diameter	3.041 in.
Eccentricity	0.171 in.
Head Diameter	2.750 in.
Thread Form	2.375 HEF Modified
Weight	311 lbs.
Material	17-4 PH ¹

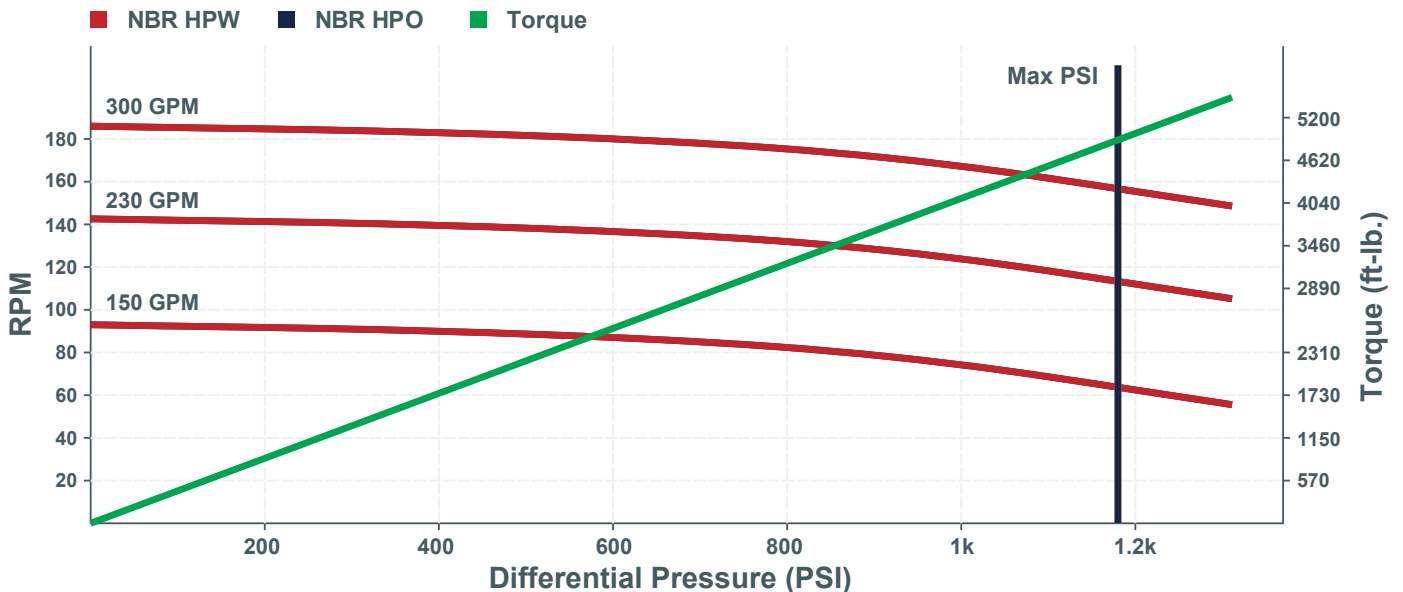
Stator Specifications	
Overall Length	198.00 in.
Tube OD	4.75 in.
Tube ID	3.88 in.
Rubber Cutback Top/End	8/8 in.
Weight	381 lbs.
Number of Stages	5.0 in.
Tube Material	4140/4142 Alloy Steel
Rubber Options	NBR HPW, NBR HPO

NBR HPW (in.)		Fits (+Compression / -Loose)				
Size	Minor ²	75°F	125°F	175°F	250°F	300°F ³
0.5 US	--	--	--	--	--	--
STD	2.694	0.005	0.018	0.032	0.052	0.065
0.5 OS	2.704	-0.005	0.008	0.021	0.041	0.054
1 OS	2.714	-0.015	-0.002	0.011	0.031	0.044
1.5 OS	2.724	-0.025	-0.012	0.001	0.020	0.033
2 OS	2.734	-0.035	-0.022	-0.009	0.023	
2.5 OS	--	--	--	--	--	--

NBR HPO (in.)		Fits (+Compression / -Loose)				
Size	Minor ²	75°F	125°F	175°F	250°F	300°F ³
0.5 US	--	--	--	--	--	--
STD	2.694	0.005	0.018	0.032	0.052	0.065
0.5 OS	2.704	-0.005	0.008	0.021	0.041	0.054
1 OS	2.714	-0.015	-0.002	0.011	0.031	0.044
1.5 OS	2.724	-0.025	-0.012	0.001	0.020	0.033
2 OS	2.734	-0.035	-0.022	-0.009	0.023	
2.5 OS	--	--	--	--	--	--

Performance Specifications	
Flow Range	150 - 300 GPM
Speed Range	90 - 190 RPM
Torque Slope	3.97 ft-lb./psi
Rotation	0.620 rev/gal
Off Bottom Pressure	80 psi

	Performance Details	
	NBR HPW	NBR HPO
Max Diff. Press.	1180 psi	1180 psi
Stall Diff. Press.	1860 psi	1860 psi
Max Torque	4670 ft-lb.	4670 ft-lb.
Stall Torque	7350 ft-lb.	7350 ft-lb.
Max WOB		25,000 lb.
Max Pull to Re-Run		100,000 lb.
Pull to Yield		300,000 lb.



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**MARTEC'S J-TEC
METAL2METAL MOTOR
SPECIFICATIONS**



Martec Solutions

Model No. 169JTEC-M2M91062
POWER SECTION 9:10 LOBES – 6.2 STAGES

All Metal Power Section
 Email: sales@martecsolutions.com

Rotor Specifications		
	Metric	Imperial
Overall Length	2067 mm	81.4 in
Profile Length	1873 mm	73.7 in
Head length	194 mm	7.6 in
Rotor eccentricity	2.9 mm	0.11 in
Major diameter	29.1 mm	1.15 in
Minor diameter	23.3 mm	0.92 in
Head diameter	32.0 mm	1.26 in
Material	NITRALLOY	
Weight	8.7 kg	19.2 lb

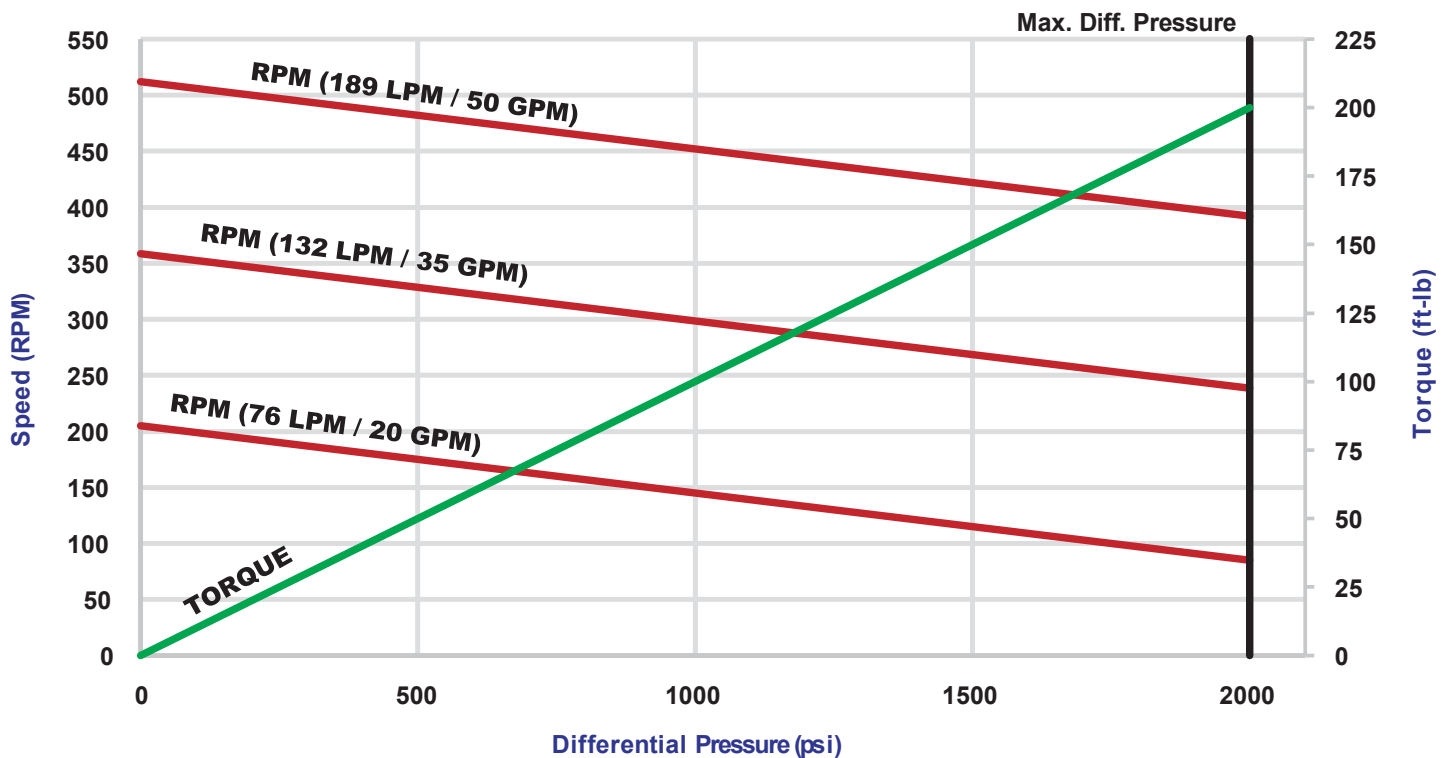
Stator Specifications		
	Metric	Imperial
Total length	2000 mm	78.7 in
Profile length	1873 mm	73.7 in
Stator outer diameter	42.9 mm	1.69 in
Major diameter	32.0 mm	1.26 in
Minor diameter	26.2 mm	1.03 in
Material	NITRALLOY	
Weight	12.7 kg	28.1 lb

Performance Specifications		
	Metric	Imperial
Flow Range	76 - 189 LPM	20 - 50 GPM
Max operating temperature	500°C	932°F
Rotation	2.71 RPL	10.24 RPG
Speed Range (No Load)	205 - 512 RPM	

Performance Details		
	Metric	Imperial
Max Diff. Press.	138 Bar	2000 PSI
Max Torque	271 Nm	200 ft-lb
Motor Power	11 Kw	15 HP
Max WOB	1,813 kg	4,000 lb
Max Pull to Re-Run	3,175 kg	7,000 lb
Pull to Yield	18,143 kg	40,000 lb

- No rubber, no reline
- Power section fit: 0.004" (0.10 mm) up to 500° C
- Power section surface hardened for increased longevity
- High corrosion resistance compatible with oil-based muds, acids, nitrogen, solvents, and high chloride fluids

Performance Curve



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Martec Solutions

Model No. 213JTEC-M2M7857

POWER SECTION 7:8 LOBES – 5.7 STAGES

All Metal Power Section

Email: sales@martecsolutions.com

Rotor Specifications		
	Metric	Imperial
Overall Length	2114 mm	83.2 in
Profile Length	1951 mm	76.8 in
Head length	163 mm	6.4 in
Rotor eccentricity	4.8 mm	0.19 in
Major diameter	38.4 mm	1.51 in
Minor diameter	28.8 mm	1.13 in
Head diameter	40.0 mm	1.57 in
Material	NITRALLOY	
Weight	14.3 kg	31.6 lb

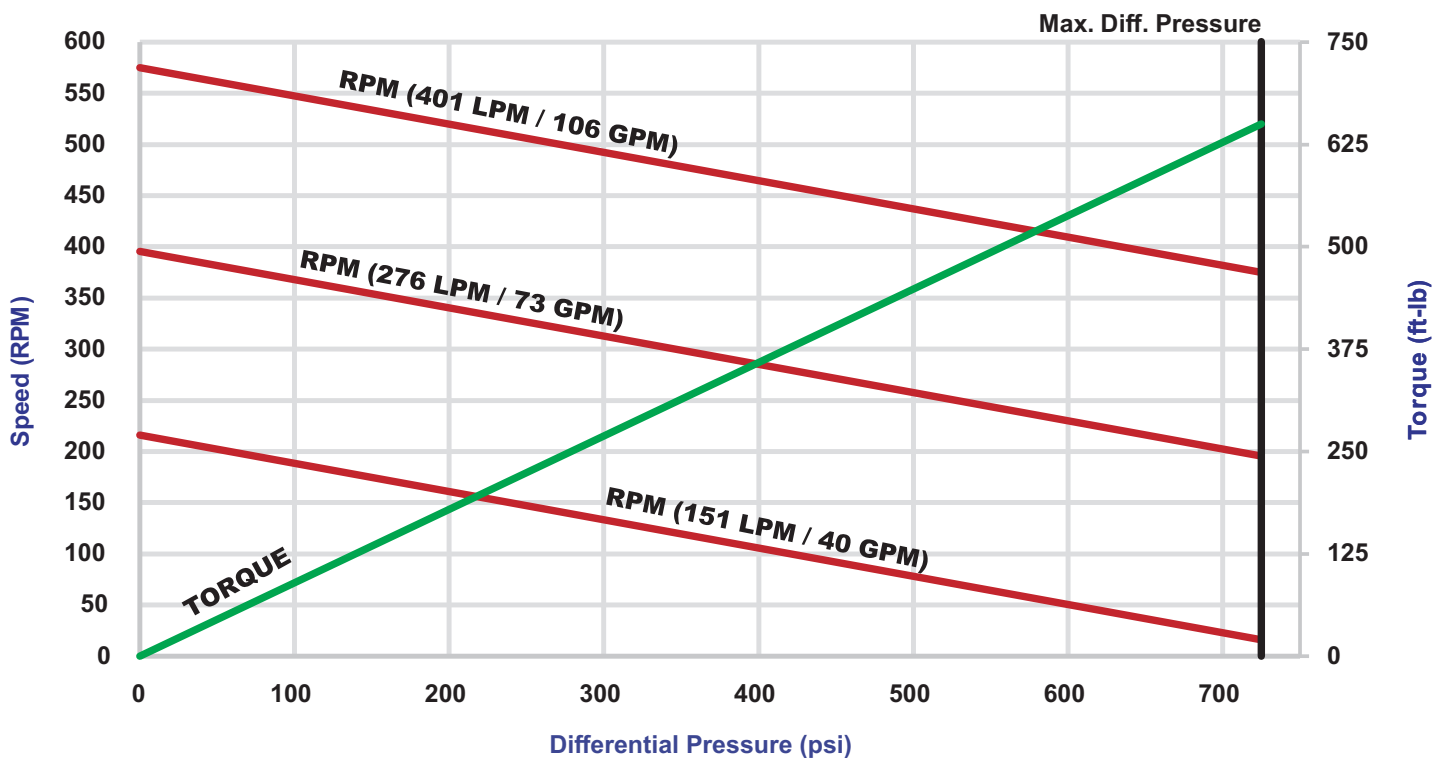
Stator Specifications		
	Metric	Imperial
Total length	2200 mm	86.6 in
Profile length	1951 mm	76.8 in
Stator outer diameter	54.0 mm	2.13 in
Major diameter	43.2 mm	1.70 in
Minor diameter	33.6 mm	1.32 in
Material	NITRALLOY	
Weight	20.9 kg	46.1 lb

Performance Specifications		
	Metric	Imperial
Flow Range	150 - 400 LPM	40 - 106 GPM
Max operating temperature	500°C	932°F
Rotation	1.44 RPL	5.44 RPG
Speed Range (No Load)	216 - 575 RPM	

Performance Details		
	Metric	Imperial
Max Diff. Press.	50 Bar	725 PSI
Max Torque	881 Nm	650 ft-lb
Motor Power	35 Kw	46 HP
Max WOB	4,536 kg	10,000 lb
Max Pull to Re-Run	11,340 kg	25,000 lb
Pull to Yield	27,216 kg	60,000 lb

- No rubber, no reline
- Power section fit: 0.004" (0.10 mm) up to 500° C
- Power section surface hardened for increased longevity
- High corrosion resistance compatible with oil-based muds, acids, nitrogen, solvents, and high chloride fluids

Performance Curve



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Martec Solutions

Model No. 288JTEC-M2M91040
POWER SECTION 9:10 LOBES – 4.0 STAGES

All Metal Power Section
 Email: sales@martecsolutions.com

Rotor Specifications		
	Metric	Imperial
Overall Length	1922 mm	75.6 in
Profile Length	1810 mm	71.3 in
Head length	100 mm	3.9 in
Rotor eccentricity	5.3 mm	0.21 in
Major diameter	53.3 mm	2.10 in
Minor diameter	42.7 mm	1.68 in
Head diameter	53.3 mm	2.10 in
Material	NITRALLOY	
Weight	26.4 kg	58.3 lb

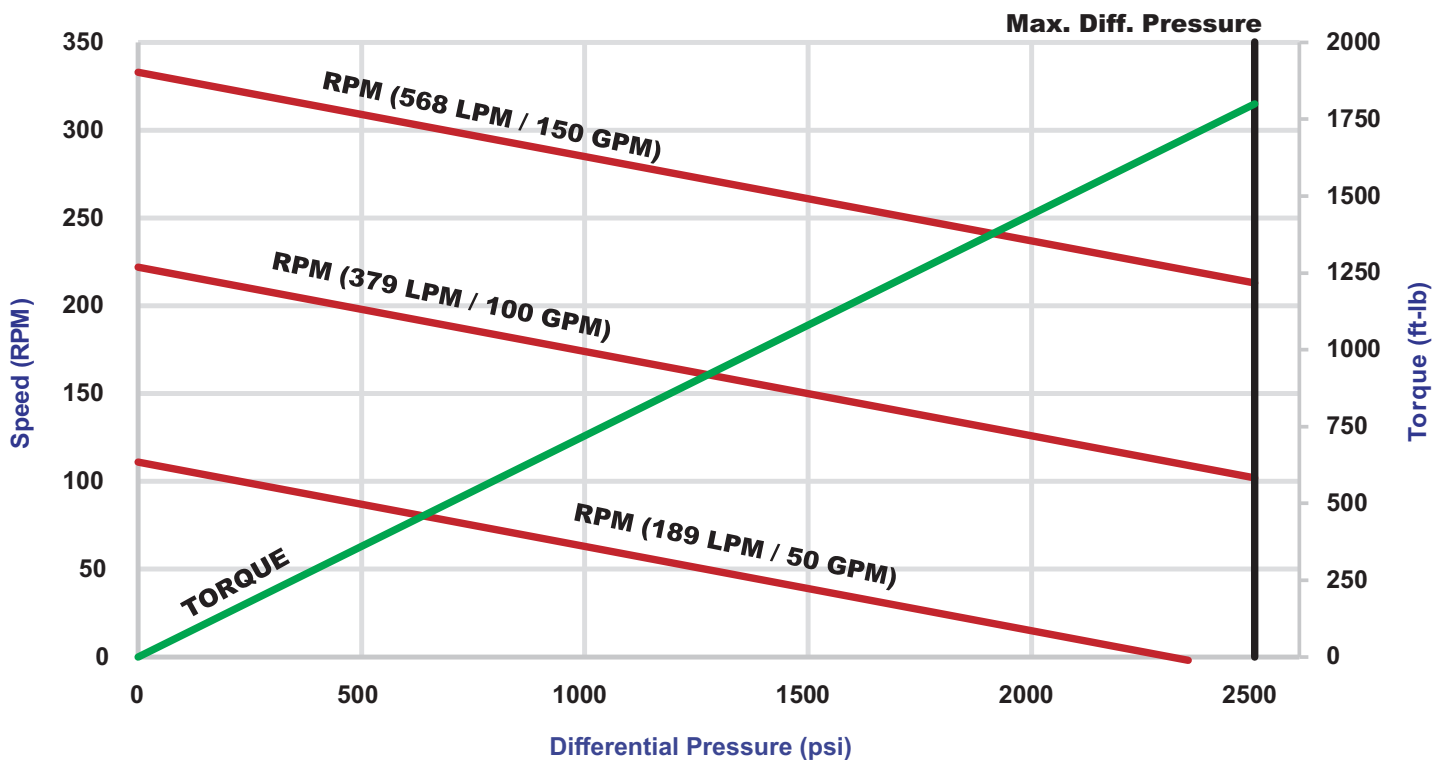
Stator Specifications		
	Metric	Imperial
Total length	2100 mm	82.7 in
Profile length	1810 mm	71.3 in
Stator outer diameter	73.6 mm	2.90 in
Major diameter	58.7 mm	2.31 in
Minor diameter	48.0 mm	1.89 in
Material	NITRALLOY	
Weight	35.7 kg	78.6 lb

Performance Specifications		
	Metric	Imperial
Flow Range	190 - 567 LPM	50 - 150 GPM
Max operating temperature	500°C	932°F
Rotation	0.59 RPL	2.22 RPG
Speed Range (No Load)	111 – 333 RPM	

Performance Details		
	Metric	Imperial
Max Diff. Press.	172 Bar	2500 PSI
Max Torque	2440 Nm	1800 ft-lb
Motor Power	54 Kw	73 HP
Max WOB	4,536 kg	10,000 lb
Max Pull to Re-Run	27,216 kg	60,000 lb
Pull to Yield	45,360 kg	100,000 lb

- No rubber, no reline
- Power section fit: 0.004" (0.10 mm) up to 500° C
- Power section surface hardened for increased longevity
- High corrosion resistance compatible with oil-based muds, acids, nitrogen, solvents, and high chloride fluids

Performance Curve



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Martec Solutions

Model No. 313JTEC-M2M91052

POWER SECTION 9:10 LOBES – 5.2 STAGES

All Metal Power Section

Email: sales@martecsolutions.com

Rotor Specifications		
	Metric	Imperial
Overall Length	1936 mm	76.2 in
Profile Length	1795 mm	70.7 in
Head length	125 mm	4.9 in
Rotor eccentricity	5.8 mm	0.23 in
Major diameter	58.3 mm	2.29 in
Minor diameter	46.6 mm	1.84 in
Head diameter	59.0 mm	2.32 in
Material	NITRALLOY	
Weight	31.9 kg	70.4 lb

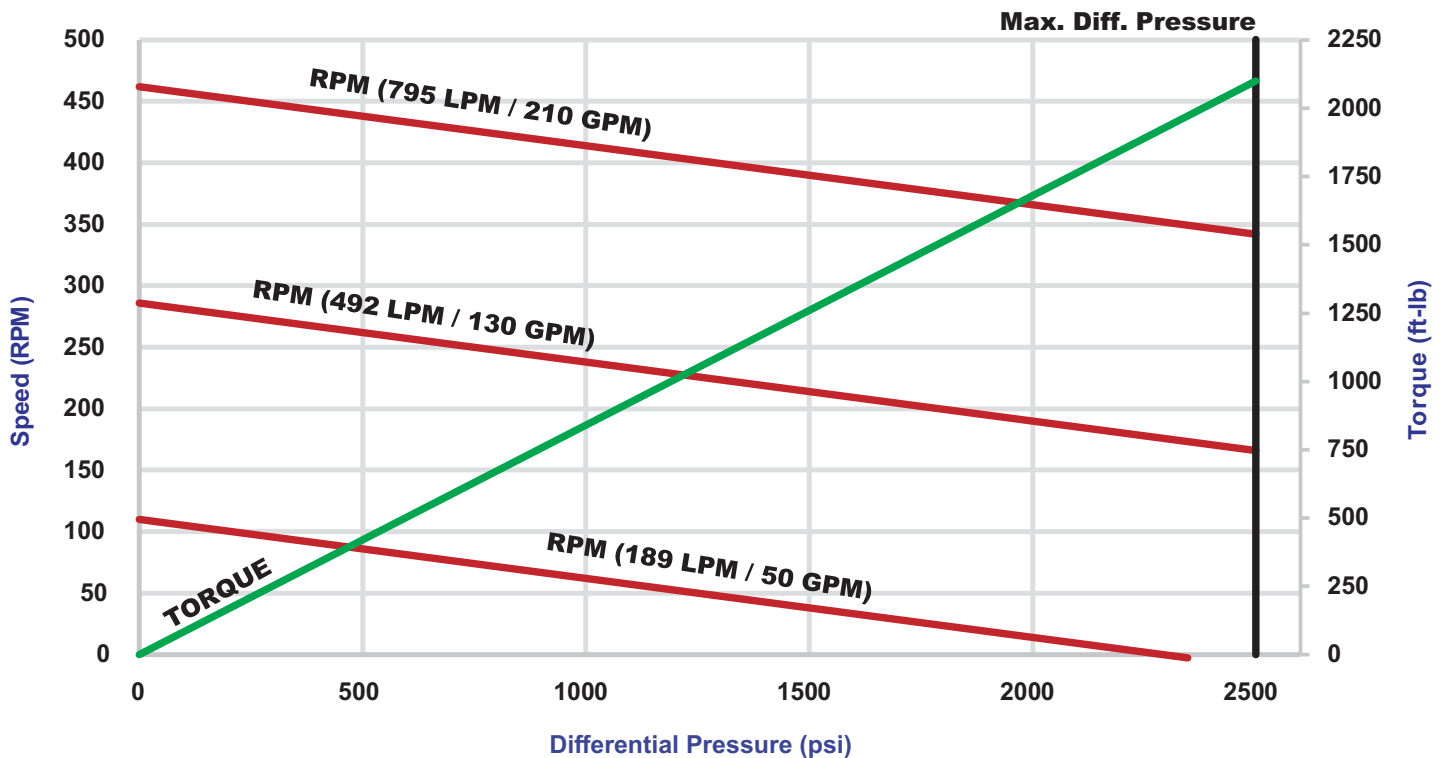
Stator Specifications		
	Metric	Imperial
Total length	2100 mm	82.7 in
Profile length	1794 mm	70.6 in
Stator outer diameter	79.4 mm	3.13 in
Major diameter	64.1 mm	2.52 in
Minor diameter	52.5 mm	2.06 in
Material	NITRALLOY	
Weight	40.8 kg	90.0 lb

Performance Specifications		
	Metric	Imperial
Flow Range	190 - 795 LPM	50 - 210 GPM
Max operating temperature	500°C	932°F
Rotation	0.58 RPL	2.2 RPG
Speed Range (No Load)	110 - 462 RPM	

Performance Details		
	Metric	Imperial
Max Diff. Press.	172 Bar	2500 PSI
Max Torque	2847 Nm	2100 ft-lb
Motor Power	102 Kw	137 HP
Max WOB	6,804 kg	15,000 lb
Max Pull to Re-Run	36,288 kg	80,000 lb
Pull to Yield	54,432 kg	120,000 lb

- No rubber, no reline
- Power section fit: 0.004" (0.10 mm) up to 500° C
- Power section surface hardened for increased longevity
- High corrosion resistance compatible with oil-based muds, acids, nitrogen, solvents, and high chloride fluids

Performance Curve



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Martec Solutions

Model No. 350JTEC-M2M91052

POWER SECTION 9:10 LOBES – 5.2 STAGES

All Metal Power Section

Email: sales@martecsolutions.com

Rotor Specifications		
	Metric	Imperial
Overall Length	1936 mm	76.2 in
Profile Length	1795 mm	70.7 in
Head length	125 mm	4.9 in
Rotor eccentricity	5.8 mm	0.23 in
Major diameter	58.3 mm	2.29 in
Minor diameter	46.6 mm	1.84 in
Head diameter	59.0 mm	2.32 in
Material	NITRALLOY	
Weight	31.9 kg	70.4 lb

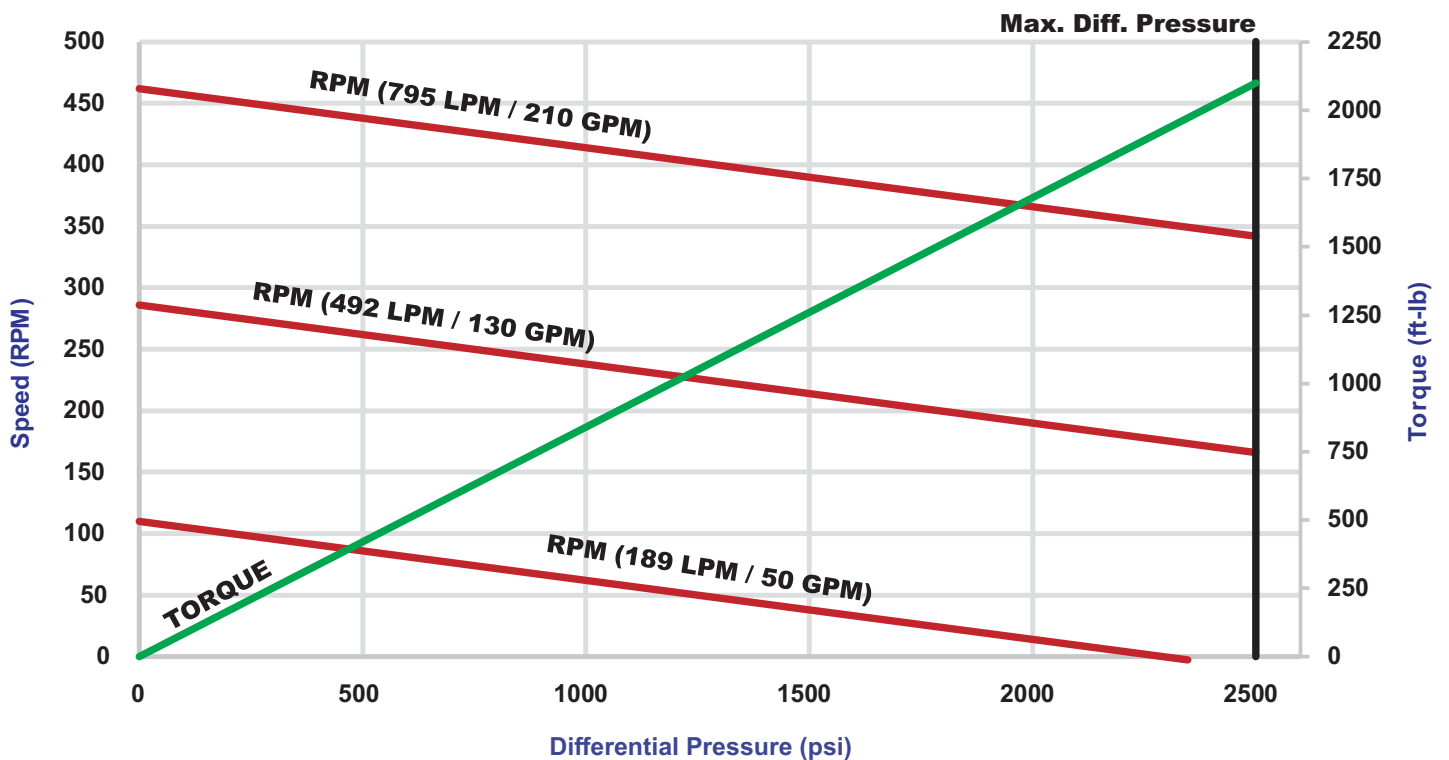
Stator Specifications		
	Metric	Imperial
Total length	2100 mm	82.7 in
Profile length	1794 mm	70.6 in
Stator outer diameter	88.9 mm	3.5 in
Major diameter	64.1 mm	2.52 in
Minor diameter	52.5 mm	2.06 in
Material	NITRALLOY	
Weight	40.8 kg	90.0 lb

Performance Specifications		
	Metric	Imperial
Flow Range	190 - 795 LPM	50 - 210 GPM
Max operating temperature	500°C	932°F
Rotation	0.58 RPL	2.2 RPG
Speed Range (No Load)	110 - 462 RPM	

Performance Details		
	Metric	Imperial
Max Diff. Press.	172 Bar	2500 PSI
Max Torque	2847 Nm	2100 ft-lb
Motor Power	102 Kw	137 HP
Max WOB	6,804 kg	15,000 lb
Max Pull to Re-Run	36,288 kg	80,000 lb
Pull to Yield	54,432 kg	120,000 lb

- No rubber, no reline
- Power section fit: 0.004" (0.10 mm) up to 500° C
- Power section surface hardened for increased longevity
- High corrosion resistance compatible with oil-based muds, acids, nitrogen, solvents, and high chloride fluids

Performance Curve



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Martec Solutions

Model No. 375JTEC-M2M91052

POWER SECTION 9:10 LOBES – 5.2 STAGES

All Metal Power Section

Email: sales@martecsolutions.com

Rotor Specifications		
	Metric	Imperial
Overall Length	1936 mm	76.2 in
Profile Length	1795 mm	70.7 in
Head length	125 mm	4.9 in
Rotor eccentricity	5.8 mm	0.23 in
Major diameter	58.3 mm	2.29 in
Minor diameter	46.6 mm	1.84 in
Head diameter	59.0 mm	2.32 in
Material	NITRALLOY	
Weight	31.9 kg	70.4 lb

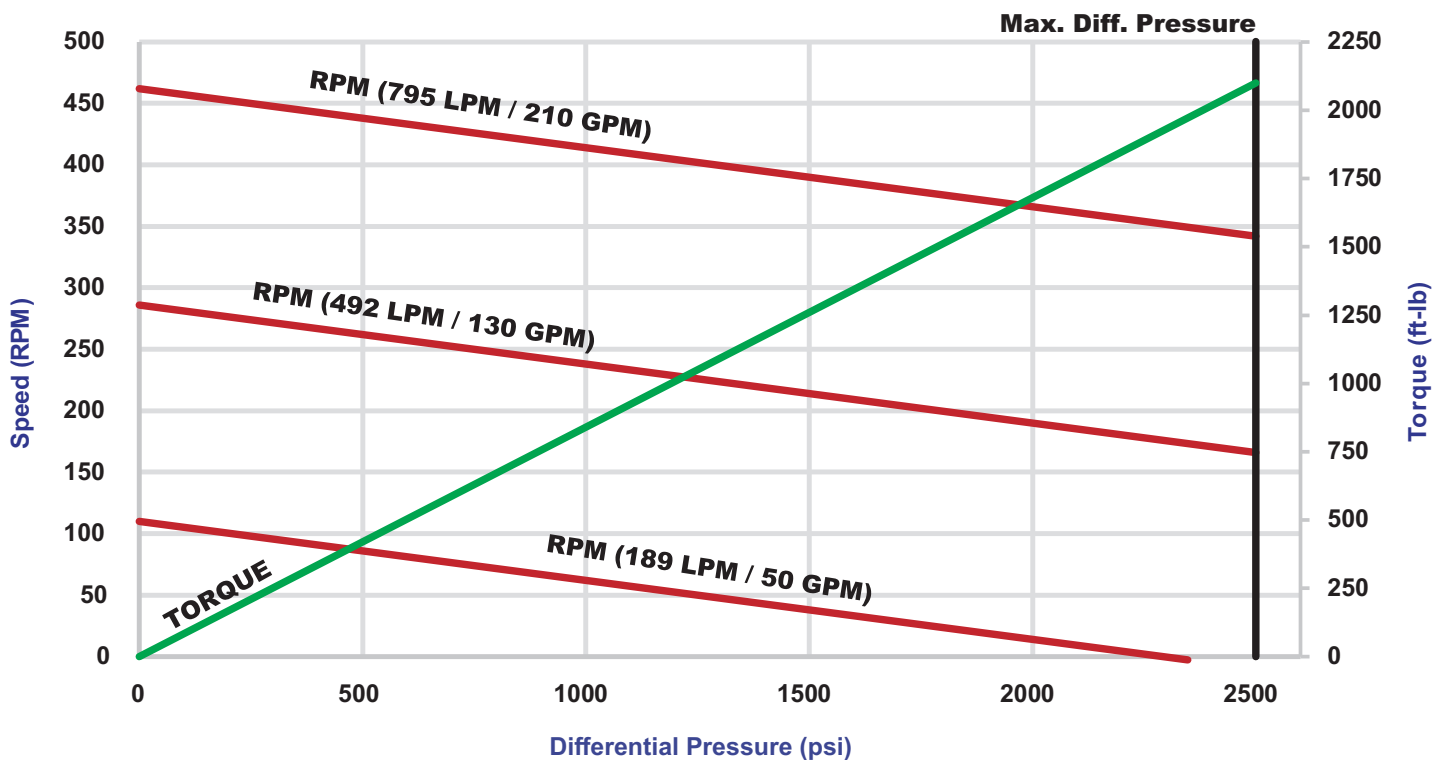
Stator Specifications		
	Metric	Imperial
Total length	2100 mm	82.7 in
Profile length	1794 mm	70.6 in
Stator outer diameter	95.25 mm	3.75 in
Major diameter	64.1 mm	2.52 in
Minor diameter	52.5 mm	2.06 in
Material	NITRALLOY	
Weight	40.8 kg	90.0 lb

Performance Specifications		
	Metric	Imperial
Flow Range	190 - 795 LPM	50 - 210 GPM
Max operating temperature	500°C	932°F
Rotation	0.58 RPL	2.2 RPG
Speed Range (No Load)	110 - 462 RPM	

Performance Details		
	Metric	Imperial
Max Diff. Press.	172 Bar	2500 PSI
Max Torque	2847 Nm	2100 ft-lb
Motor Power	102 Kw	137 HP
Max WOB	6,804 kg	15,000 lb
Max Pull to Re-Run	36,288 kg	80,000 lb
Pull to Yield	54,432 kg	120,000 lb

- No rubber, no reline
- Power section fit: 0.004" (0.10 mm) up to 500° C
- Power section surface hardened for increased longevity
- High corrosion resistance compatible with oil-based muds, acids, nitrogen, solvents, and high chloride fluids

Performance Curve



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Martec Solutions

Model No. 500JTEC-M2M91048
POWER SECTION 9:10 LOBES – 4.8 STAGES

All Metal Power Section
 Email: sales@martecsolutions.com

Rotor Specifications		
	Metric	Imperial
Overall Length	3292 mm	129.6 in
Profile Length	3142 mm	123.7 in
Head length	150 mm	5.9 in
Rotor eccentricity	4.3 mm	0.17 in
Major diameter	86.4 mm	3.40 in
Minor diameter	69.1 mm	2.72 in
Head diameter	53.3 mm	2.10 in
Material	NITRALLOY	
Weight	121.6 kg	268.1 lb

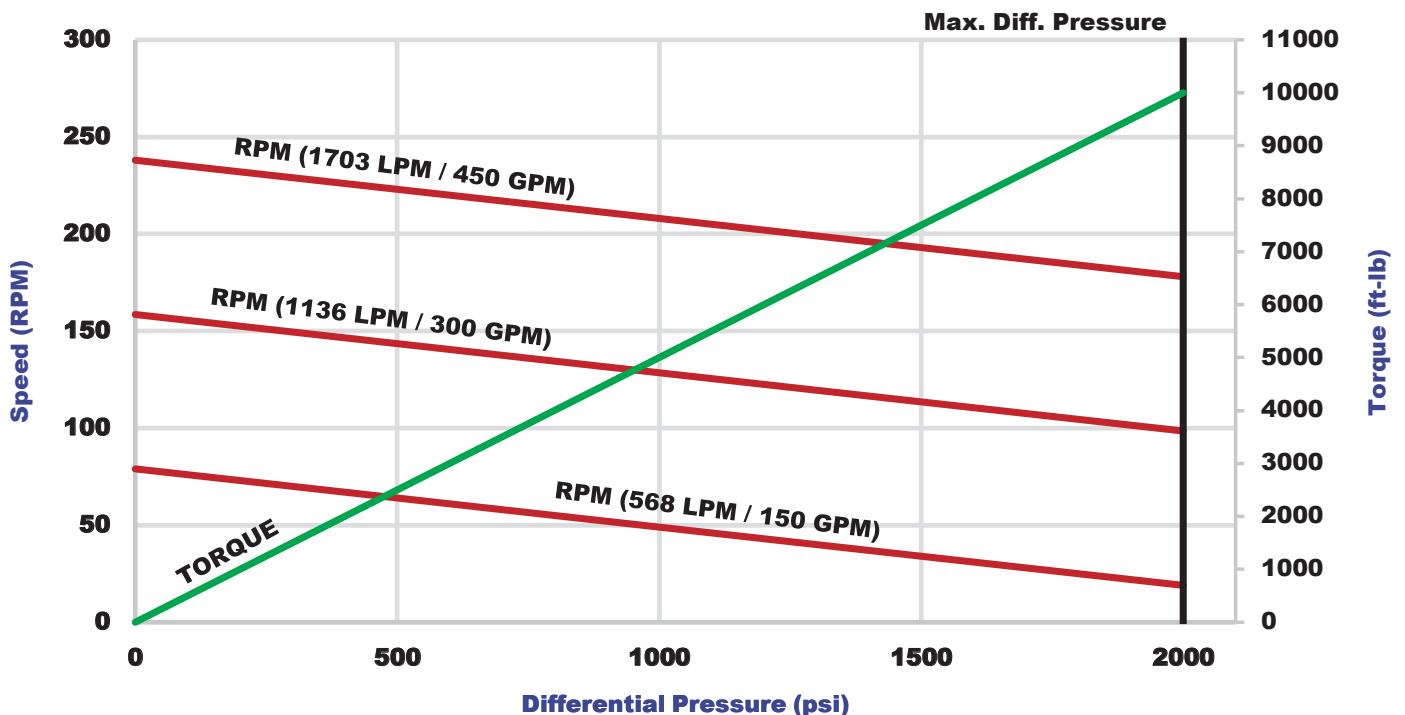
Stator Specifications		
	Metric	Imperial
Total length	3500 mm	137.8 in
Profile length	3142 mm	123.7 in
Stator outer diameter	127.0 mm	5.00 in
Major diameter	95.0 mm	3.74 in
Minor diameter	77.7 mm	3.06 in
Material	NITRALLOY	
Weight	195.9 kg	431.9 lb

Performance Specifications		
	Metric	Imperial
Flow Range	568 - 1703 LPM	150 - 450 GPM
Max operating temperature	500°C	932°F
Rotation	0.14 RPL	0.53 RPG
Speed Range (No Load)	79 - 238 RPM	

Performance Details		
	Metric	Imperial
Max Diff. Press.	138 Bar	2,000 PSI
Max Torque	13558 Nm	10,000 ft-lb
Motor Power	253 Kw	339 HP
Max WOB	11,350 kg	25,000 lb
Max Pull to Re-Run	45,400 kg	100,000 lb
Pull to Yield	136,200 kg	300,000 lb

- No rubber, no reline
- Power section fit: 0.004" (0.10 mm) up to 500° C
- Power section surface hardened for increased longevity
- High corrosion resistance compatible with oil-based muds, acids, nitrogen, solvents, and high chloride fluids

Performance Curve



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Martec Solutions

Model No. 500JTEC-M2M91068

POWER SECTION 9:10 LOBES – 6.8 STAGES

All Metal Power Section

Email: sales@martecsolutions.com

Rotor Specifications		
	Metric	Imperial
Overall Length	3360 mm	132.3 in
Profile Length	3142 mm	123.7 in
Head length	200 mm	7.9 in
Rotor eccentricity	8.6 mm	0.34 in
Major diameter	86.4 mm	3.40 in
Minor diameter	69.1 mm	2.72 in
Head diameter	87.0 mm	3.43 in
Material	NITRALLOY	
Weight	121.6 kg	268.1 lb

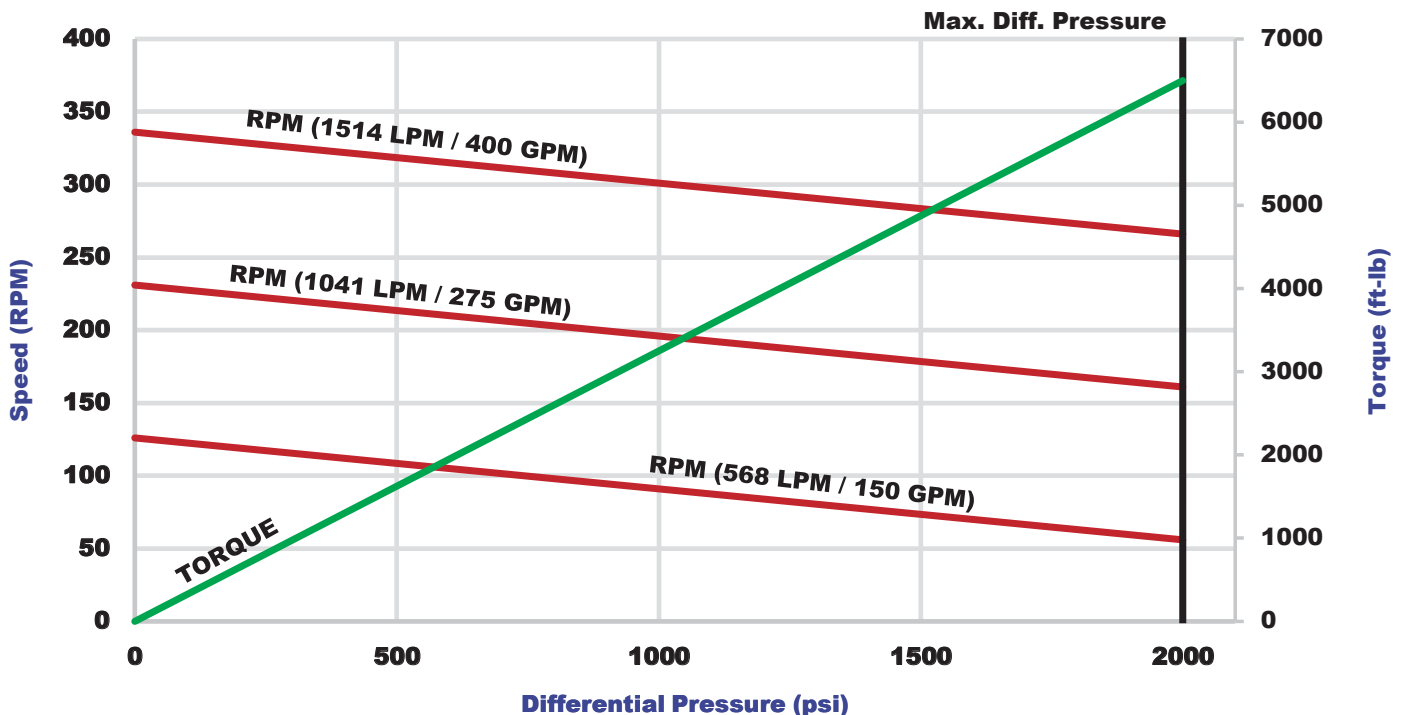
Stator Specifications		
	Metric	Imperial
Total length	3500 mm	137.8 in
Profile length	3142 mm	123.7 in
Stator outer diameter	127.0 mm	5.00 in
Major diameter	95.0 mm	3.74 in
Minor diameter	77.7 mm	3.06 in
Material	NITRALLOY	
Weight	195.9 kg	431.9 lb

Performance Specifications		
	Metric	Imperial
Flow Range	568 - 1514 LPM	150 - 400 GPM
Max operating temperature	500°C	932°F
Rotation	0.22 RPL	0.84 RPG
Speed Range (No Load)	126 - 336 RPM	

Performance Details		
	Metric	Imperial
Max Diff. Press.	138 Bar	2,000 PSI
Max Torque	8813 Nm	6,500 ft-lb
Motor Power	245 Kw	329 HP
Max WOB	11,350 kg	25,000 lb
Max Pull to Re-Run	45,400 kg	100,000 lb
Pull to Yield	136,200 kg	300,000 lb

- No rubber, no reline
- Power section fit: 0.004" (0.10 mm) up to 500° C
- Power section surface hardened for increased longevity
- High corrosion resistance compatible with oil-based muds, acids, nitrogen, solvents, and high chloride fluids

Performance Curve



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Martec Solutions


Downhole Tools & Accessories



Martec Solutions

Some factors to consider when selecting motor and configuration:

- RPM vs. Flow Rate
- Flow Rate vs. Operating Torque
- Min and Max Flow Rate
- Low Speed / High Torque vs. High Speed / Low Torque
- Lobe Configuration and Stages
- Max Pressure Drop
- Differential Pressure at Max Operating Torque
- Max Operating Torque
- Stall Pressure

	MOTOR SELECTION WORK SHEET							
	MOTOR 1		MOTOR 2		MOTOR 3		MOTOR 4	
	LOBES	STAGES	LOBES	STAGES	LOBES	STAGES	LOBES	STAGES
J-TEC MODEL NUMBER								
RPM								
FLOW RATE								
MIN FLOW RATE								
MAX FLOW RATE								
MAX PRESSURE DROP								
DIFF. PRESS. @ MAX OPERATING TORQUE								
MAX OPERATING TORQUE								
STALL PRESSURE								



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NOTES



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Downhole Tools & Accessories

MARTEC SOLUTIONS LLC

PHONE: 281-703-9655 (English) / 281-703-1563 (Spanish)

EMAIL: sales@martecsolutions.com (English or Spanish)

WEBSITE: www.martecsolutions.com

Performance curves are based on new rotor and stator dimensions and for reference only. Actual performance may vary depending on downhole conditions, rotor-stator fit, and drilling equipment performance. The stall torque may exceed that specified for the connected components. Operating over the recommended limits such as optimal differential pressure, will reduce stator life and may also result in damage to the power section and connected components. Optimal load power calculation is based on maximum RPM and optimal load torque. Information and data contained in this document and brochure are subject to change without notice.

FOOTNOTES – applicable to conventional power sections

1 Coating options of chrome or tungsten carbide are available

2 Vector Gauge Readings at Room Temp 75°F

3 BHCT Exceeding 275°F will void warranty for NBR (320°F for HPW/HPX)



Martec Solutions

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FOOTNOTES – applicable to conventional power sections

- 1 Coating options of chrome or tungsten carbide are available
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