

TECHNICAL SPECIFICATIONS

850-67-75

Publish Date 2/19/2020

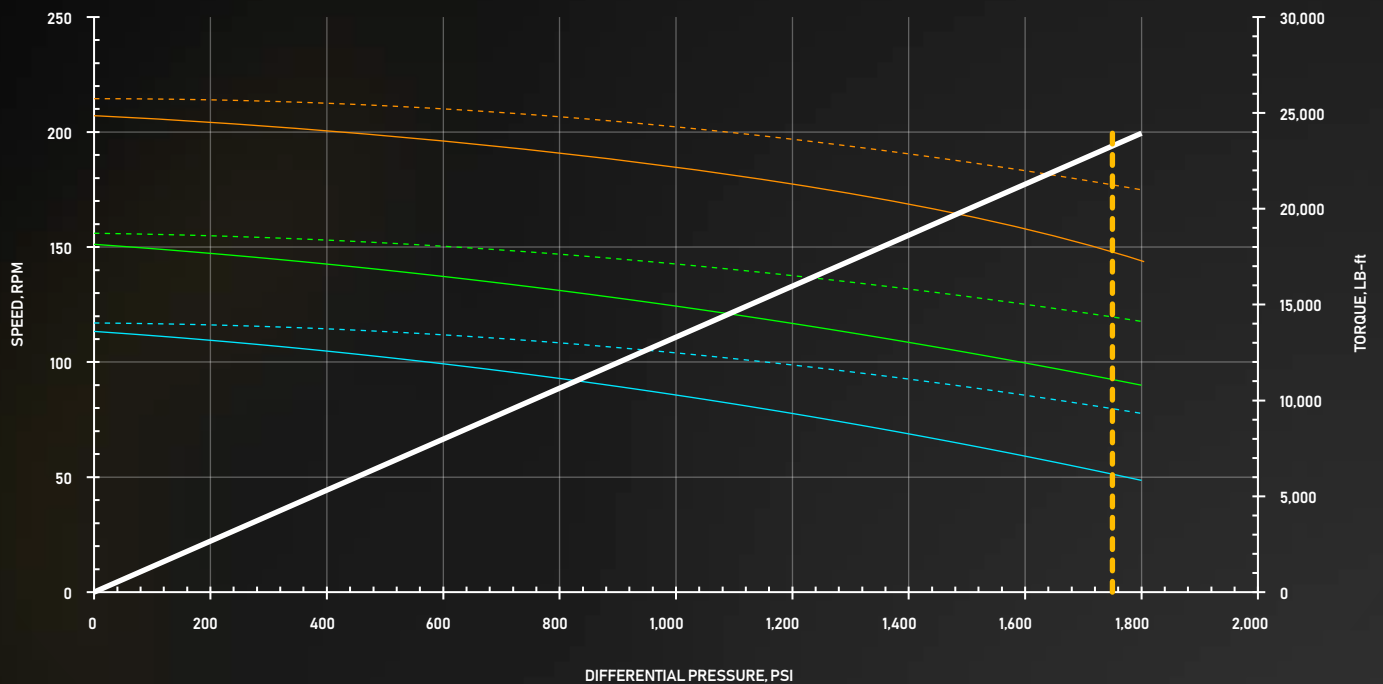
RATOR SPECIFICATION		
OVERALL LENGTH	285	IN
CONTOUR LENGTH	277	IN
HEAD LENGTH	8.00	IN
HEAD DIAMETER	5.500	IN
MAJOR DIAMETER	5.381	IN
MINOR DIAMETER	4.021	IN
C-V	SEE MAJOR	IN
ECCENTRICITY	0.340	IN
THREAD TYPE	3-1/2 HUGHES	XH

STATOR SPECIFICATION		
OVERALL LENGTH	300	IN
CONTOUR LENGTH	280	IN
TUBE OD	8.50	IN
TUBE ID	6.75	IN
CUTBACK	10.00	IN
WEIGHT	1879	LBS
MATERIAL	4140	

FITS	RD 202 FIT @ 70°	
GROUP	MINOR (IN)	FIT (IN)
T	NA	NA
STD	4.701	0.000
0.5XOS	NA	NA
1XOS	NA	NA
2XOS	NA	NA
Fit Increase / F°		0.00031
VECTORTOLERANCE IS ± 0.010"		

PERFORMANCE SPECIFICATION		
FLOW RANGE	600-1100	GPM
SPEED RANGE	117-215	RPM
REV/VOL	0.195	REV/GAL
OFF BOTTOM PRESSURE	295	PSI
TORQUE / PSI	13.30	LB-FT/PSI

ELASTOMER PERFORMANCE	RD202
MAX DIFF PRESSURE	1,750 PSI
MAX TORQUE	23,275 FT-LBS
MAX HP	789 HP
STALL DIFF PRESSURE	2,625 PSI
STALL TORQUE	34,913 FT-LBS



RPM @ 600 GPM Dyno Perf

RPM @ 600 Downhole Perf

RPM @ 800 GPM Dyno Perf

RPM @ 800 Downhole Perf

RPM @ 1100 GPM Dyno Perf

RPM @ 1100 Downhole Perf

Torque

Max Differential = 1750 psi



The performance data contained herein is for REFERENCE ONLY. Performance data and specifications for this model are generated based on shop/nominal fit between rotor and stator. DIG Motors are designed to perform optimally at the temperature range recommended for each group/fit. Downhole conditions may alter the performance. Downhole performance is included as a prediction of how the stator is expected to perform in downhole conditions for any group fit.

