



640 Nozzle/Stator Combination Performance

44 Nozzle

■ = Not recommended

	40 Stator			41 Stator			42 Stator			43 Stator			44 Stator			41F Stator			42/43F Stator		
PSI	RAD	GPM	Speed of Rotation	RAD	GPM	Speed of Rotation	RAD	GPM	Speed of Rotation	RAD	GPM	Speed of Rotation	RAD	GPM	Speed of Rotation	RAD	GPM	Speed of Rotation	RAD	GPM	Speed of Rotation
50	51	16.64	:39	56	17.71	1:09	58	17.96	1:32	60	18.04	2:06	61	17.98	2:38	47	11.02	:34	51	17.53	:53
60	53	18.13	:35	58	19.32	1:04	61	19.69	1:23	63	19.74	1:53	64	19.73	2:22	49	18.04	:31	52	19.62	:48
70	54	19.63	:32	60	20.88	:59	62	21.18	1:17	64	21.29	1:45	65	21.24	2:11	50	19.29	:29	53	20.48	:44
80	55	21.13	:30	61	22.36	:55	64	22.82	1:13	66	22.00	1:37	66	22.34	2:03	51	20.71	:27	55	22.18	:41

43 Nozzle

	40 Stator			41 Stator			42 Stator			43 Stator			44 Stator			41F Stator			42/43F Stator		
PSI	RAD	GPM	Speed of Rotation	RAD	GPM	Speed of Rotation	RAD	GPM	Speed of Rotation	RAD	GPM	Speed of Rotation	RAD	GPM	Speed of Rotation	RAD	GPM	Speed of Rotation	RAD	GPM	Speed of Rotation
50	49	13.42	:49	55	13.96	1:31	57	14.23	2:02	58	14.16	2:51	60	14.16	3:33	47	13.49	:43	51	14.06	1:08
60	50	14.68	:44	57	15.15	1:25	60	15.48	1:51	60	15.49	2:33	62	15.52	3:13	47	14.64	:40	52	15.22	1:02
70	51	15.88	:41	57	16.40	1:19	60	16.70	1:41	62	16.73	2:22	62	16.65	2:58	49	15.85	:36	53	16.46	:57
80	53	17.01	:38	60	17.76	1:13	62	17.77	1:35	64	17.94	2:13	63	17.90	2:49	50	16.88	:34	56	17.82	:52

42 Nozzle

	40 Stator			41 Stator			42 Stator			43 Stator			44 Stator			41F Stator			42/43F Stator		
PSI	RAD	GPM	Speed of Rotation	RAD	GPM	Speed of Rotation	RAD	GPM	Speed of Rotation	RAD	GPM	Speed of Rotation	RAD	GPM	Speed of Rotation	RAD	GPM	Speed of Rotation	RAD	GPM	Speed of Rotation
50	48	11.65	:59	50	12.01	1:51	53	12.10	2:36	55	12.24	3:29	56	12.19	4:22	48	11.66	:49	49	12.02	1:19
60	50	12.68	:52	53	13.23	1:40	55	13.20	2:19	56	13.37	3:07	58	13.28	3:57	50	12.71	:45	50	13.16	1:12
70	50	13.76	:50	55	14.24	1:32	56	14.40	2:05	58	14.43	2:49	58	14.46	3:34	49	13.79	:42	52	14.23	1:06
80	52	14.18	:46	56	15.21	1:26	58	15.40	1:53	59	15.42	2:36	61	15.38	3:16	49	14.65	:39	52	15.11	1:02

41 Nozzle

	40 Stator			41 Stator			42 Stator			43 Stator			44 Stator			41F Stator			42/43F Stator		
PSI	RAD	GPM	Speed of Rotation	RAD	GPM	Speed of Rotation	RAD	GPM	Speed of Rotation	RAD	GPM	Speed of Rotation	RAD	GPM	Speed of Rotation	RAD	GPM	Speed of Rotation	RAD	GPM	Speed of Rotation
50	49	9.32	1:16	52	9.51	2:34	52	9.52	3:29	53	9.55	5:04	57	9.67	6:40	49	9.32	1:05	50	9.54	1:48
60	49	10.19	1:08	53	10.44	2:18	53	10.39	3:12	55	10.51	4:34	58	10.52	6:07	48	10.23	:59	51	10.43	1:38
70	50	10.98	1:03	52	11.30	2:06	54	11.19	2:56	57	11.23	4:03	58	11.29	5:33	50	11.04	:54	53	11.18	1:31
80	51	11.69	:59	54	12.06	1:51	55	12.01	2:42	58	12.09	3:49	61	12.07	5:14	50	11.66	:51	53	11.93	1:24

40 Nozzle

	40 Stator			41 Stator			42 Stator			43 Stator			44 Stator			41F Stator			42/43F Stator		
PSI	RAD	GPM	Speed of Rotation	RAD	GPM	Speed of Rotation	RAD	GPM	Speed of Rotation	RAD	GPM	Speed of Rotation	RAD	GPM	Speed of Rotation	RAD	GPM	Speed of Rotation	RAD	GPM	Speed of Rotation
50	51	6.13	2:18	56	6.25	5:10	56	6.20	10:05	58	6.22	18:56	59	6.21	27:30	49	6.03	1:57	51	6.17	3:20
60	52	6.71	2:05	56	6.83	4:47	59	6.80	8:19	60	6.76	14:32	60	6.74	21:48	50	6.65	1:42	51	6.72	2:55
70	52	7.18	1:52	57	7.33	4:00	61	7.31	7:09	60	7.28	12:06	61	7.27	16:40	50	7.14	1:33	53	7.21	2:43
80	53	7.68	1:44	56	7.76	3:48	60	7.80	6:43	61	7.75	10:29	61	7.76	14:01	51	8.10	1:24	54	7.70	2:28