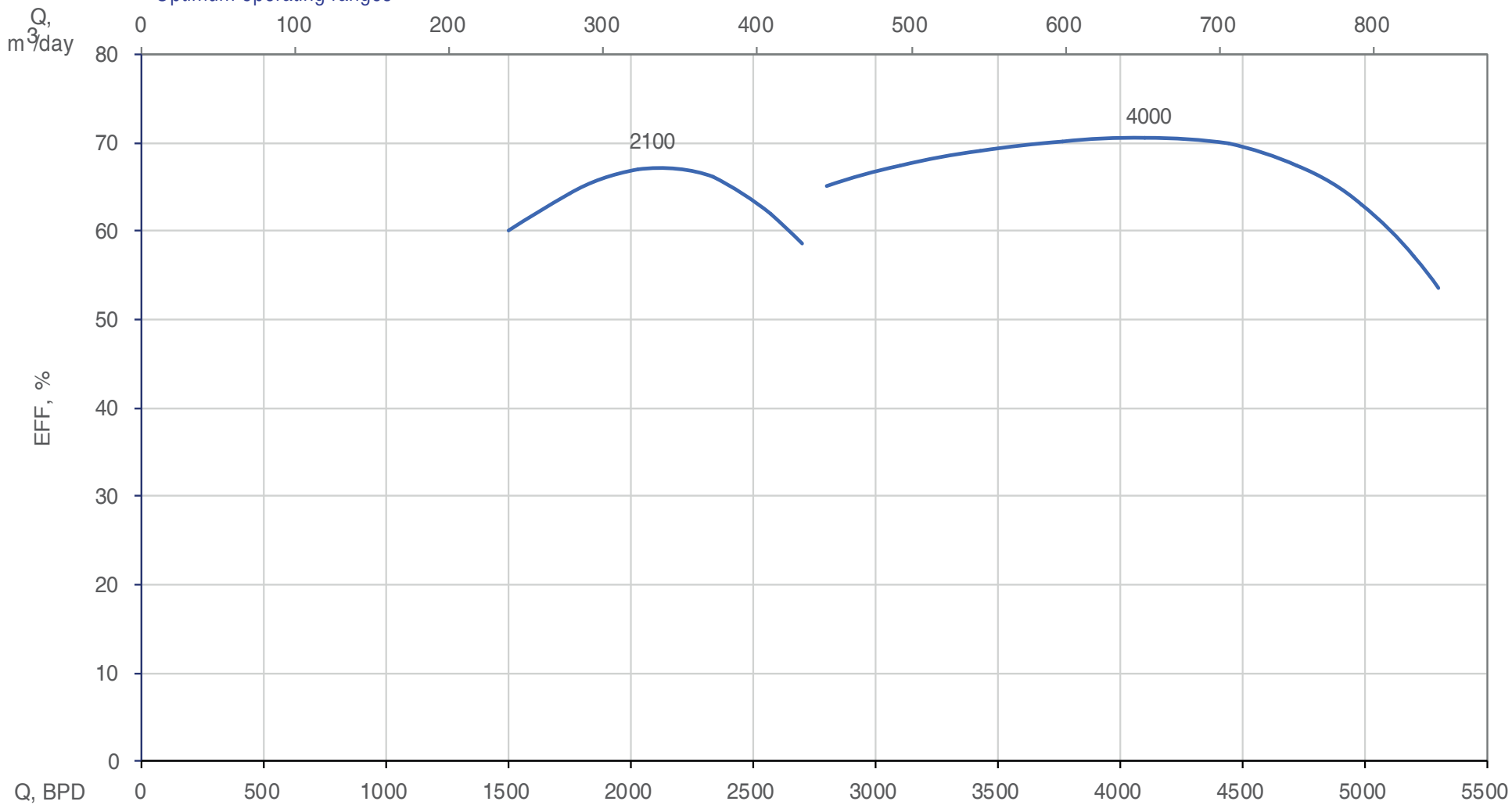


538 Series Pump Performance Curves, 1 stage, 3500RPM

Pumps 538 Series

Optimum operating ranges



Pumps 538 Series

Optimum operating ranges

Model	Hz	Construction			Stage		Optimum Operating Range BPD / m ³ /Day		BHP/Stage	Housing Pressure Limit PSI	
		FLT	PKT	CMP	Radial Flow	Mixed Flow	Std	Hi-Prs			
538-2100	60	X			X	1490	2770	1,25	6000	6000	6000
538-2100	50	X			X	1246	2314	0,72	6000	6000	6000
538-4000	60	X			X	2850	5290	1,96	6000	6000	6000
538-4000	50	X			X	2380	4420	1,14	6000	6000	6000

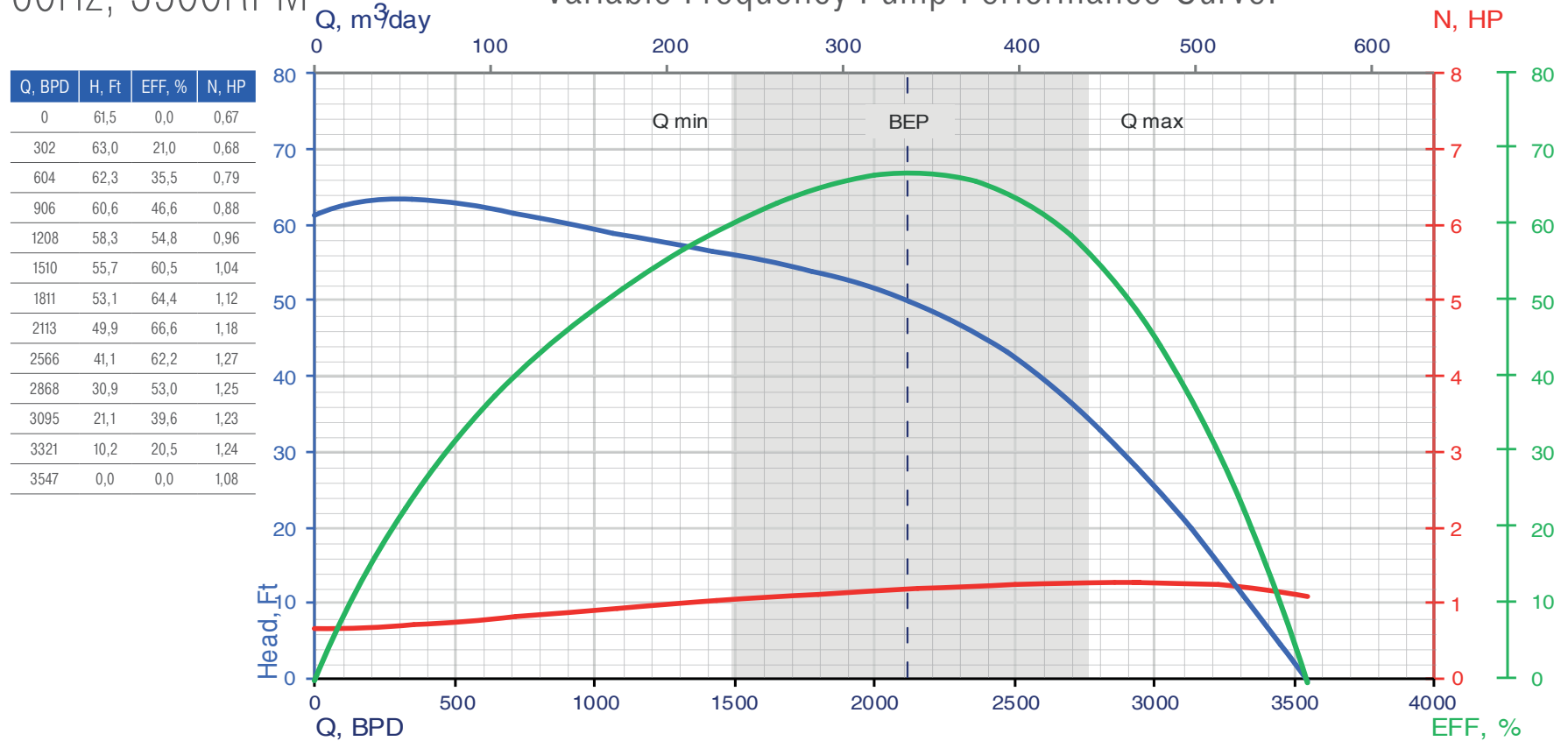


538-2100

Pumps 538 Series

60Hz, 3500RPM

Variable Frequency Pump Performance Curve.



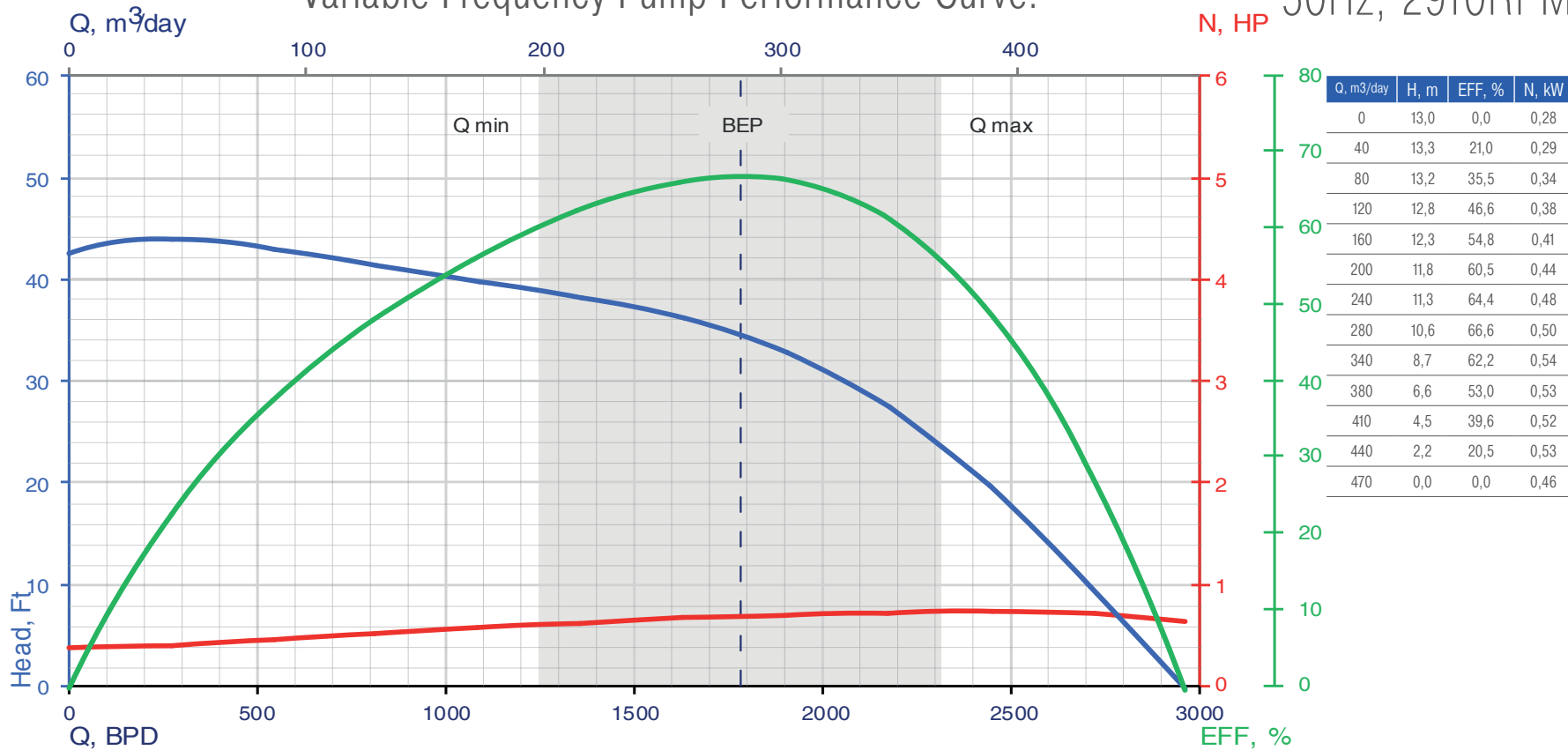
ENGINEERING DATA			
Optimum Operating Range	60 Hz	1490-2270 BPD	Shaft limit
Housing Diameter	5,38 In / 136,6 mm		Standart @ 60 Hz 387 HP
Minimum Casing Size	6,5 In / 165 mm		High Strength @ 60 Hz 534 HP
Shaft Diameter	0,866 In / 22 mm		Max Staging: Shaft
Area	0,589 Sq In / 380,13 mm ²		Standart @ 60 Hz 309 Stages
Stage Type	Radial Flow		High Strength @ 60 Hz 426 Stages
Rotational Direction	CW		Max Staging: Thrust Bearing- Floater Pump
Fluid Specific Gravity	1.0		Std (230°F BHT Max) @ 60 Hz 147 Stages
Housing Pressure Limit	6000 PSI		Hi-Ld (250°F BHT Max) @ 60 Hz 186 Stages

Pumps 538 Series

538-2100

Variable Frequency Pump Performance Curve.

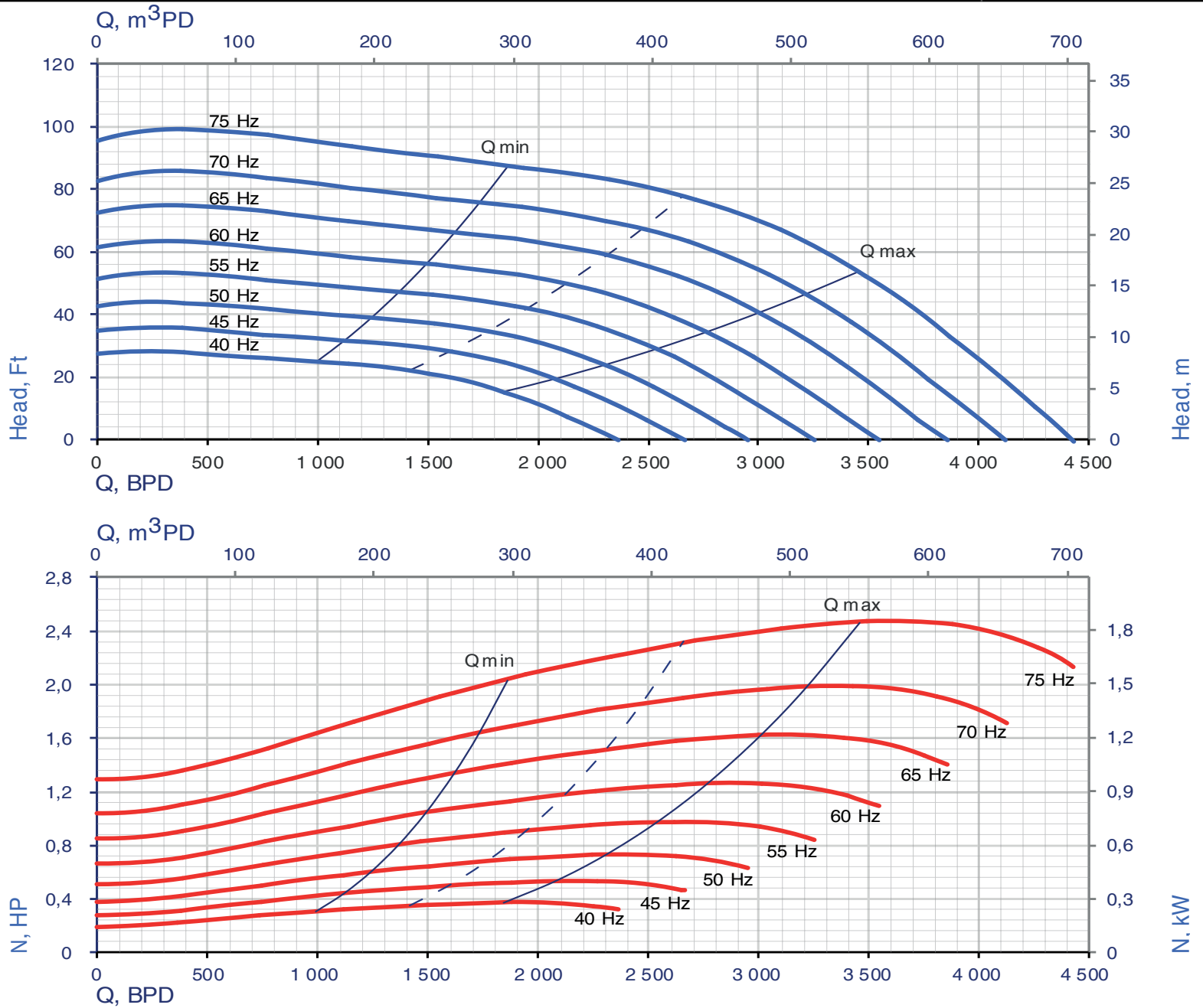
50Hz, 2910RPM



ENGINEERING DATA			
Optimum Operating Range	50 Hz	1246-2314 BPD	Shaft limit
Housing Diameter	5,38 In / 136,6 mm		Standart @ 50 Hz 322 HP
Minimum Casing Size	6,5 In / 165 mm		High Strength @ 50 Hz 445 HP
Shaft Diameter	0,866 In / 22 mm		Max Staging: Shaft
Area	0,589 Sq In / 380,13 mm ²		Standart @ 50 Hz 444 Stages
Stage Type	Radial Flow		High Strength @ 50 Hz 614 Stages
Rotational Direction	CW		Max Staging: Thrust Bearing- Floater Pump
Fluid Specific Gravity	1.0		Std (230°F BHT Max) @ 50 Hz 212 Stages
Housing Pressure Limit	6000 PSI		Hi-Ld (250°F BHT Max) @ 50 Hz 268 Stages

538-2100

Pumps 538 Series



Pumps 538 Series

538-2100

HSG	Length		Weight		Standart Pump				Abrasion resistant Pump			
	Feet	Meters	Lbs	Kgs	Floater		Packet		Floater		Packet	
					Stgs	Part No	Stgs	Part No	Stgs	Part No	Stgs	Part No
1	11,27	3,437	297,6	135	83	1227A3401			83	AR1227A3401		
2	12,91	3,937	341,7	155	97	1227A3402			97	AR1227A3402		
3	14,55	4,437	385,8	175	111	1227A3403			111	AR1227A3403		
4	16,19	4,937	432,1	196	125	1227A3404			125	AR1227A3404		
5	17,83	5,437	480,6	218	139	1227A3405			139	AR1227A3405		
6	19,47	5,937	524,7	238	153	1227A3406			153	AR1227A3406		
7	21,11	6,437	617,3	280	180	1227A3407			180	AR1227A3407		

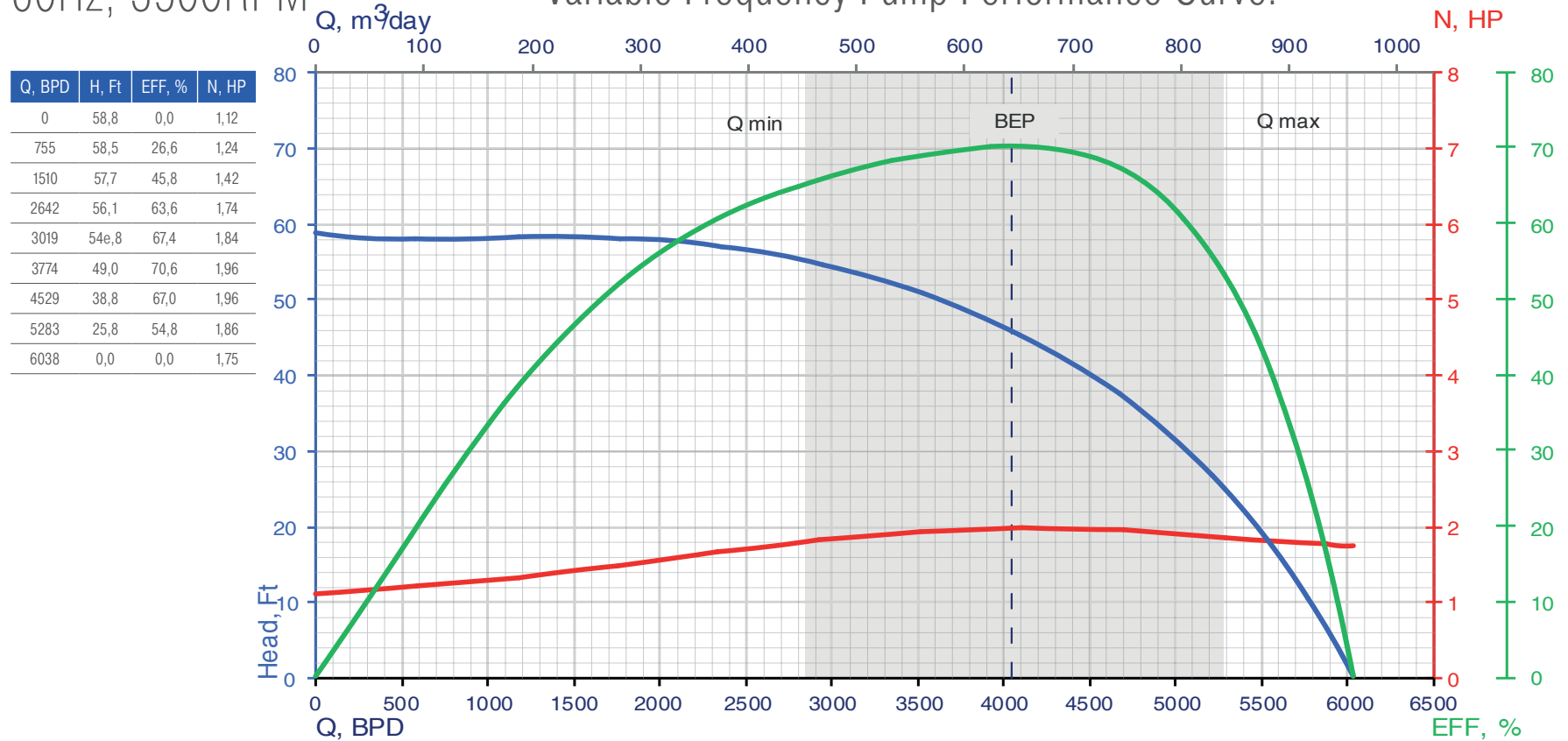
Description	Length		Weight		Standart	Corrosion-resistant
	Feet	Meters	Lbs	Kgs	Part No	Part No
Discharge Head (3-1/2" 10RD NUE)	0,66	0,2	11,2	5,1	12481027502	CR12481027502
Check valve (3-1/2" 10RD NUE)	0,71	0,215	17,9	8,1	KOSH892	CRKOSH892
Drain valve (3-1/2" 10RD NUE)	0,64	0,195	10,1	4,6	KS892	CRKS892
Bolt On Intake	0,94	0,287	27,3	12,4	17001000	CR17001000

538-4000

Pumps 538 Series

60Hz, 3500RPM

Variable Frequency Pump Performance Curve.



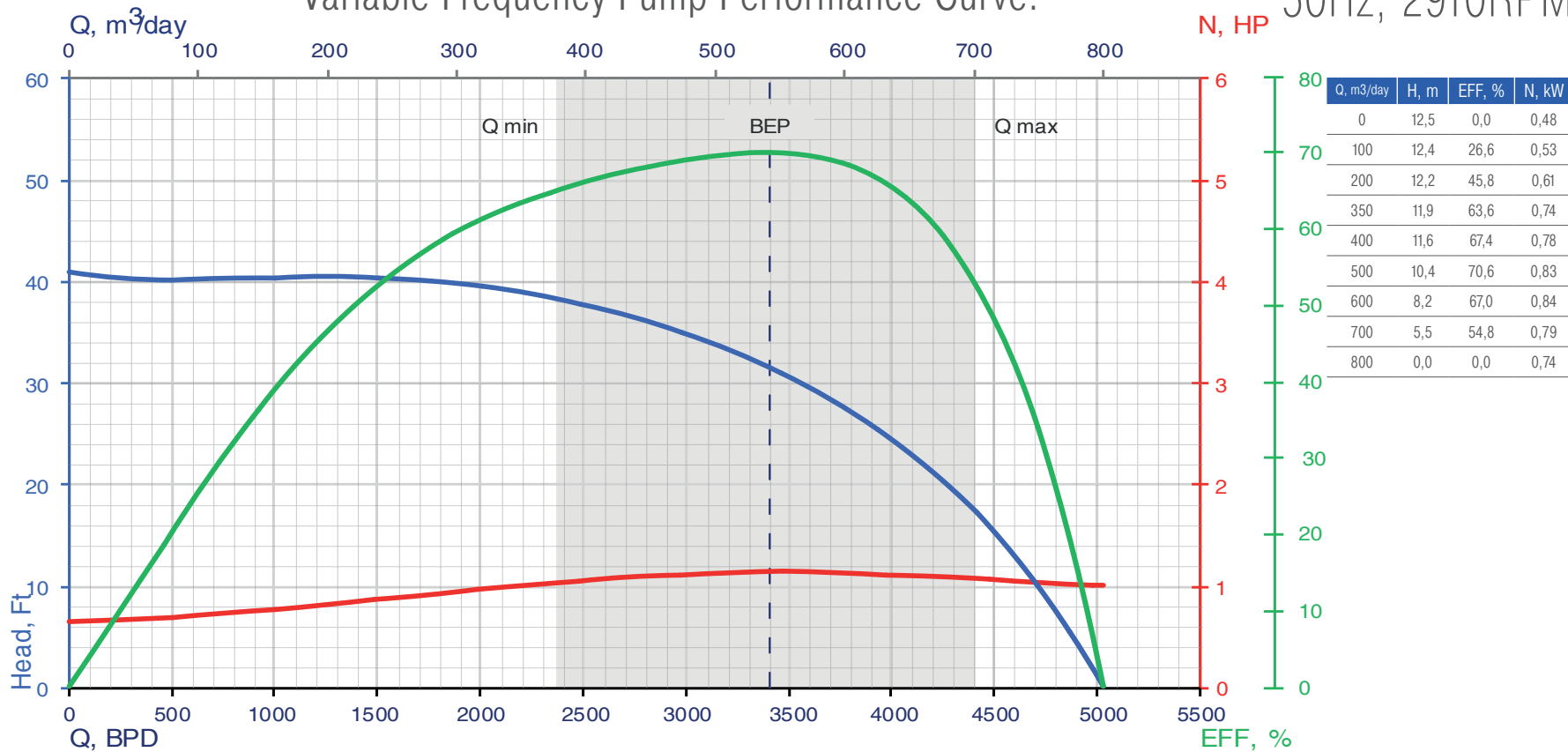
ENGINEERING DATA			
Optimum Operating Range	60 Hz	2850-5290 BPD	Shaft limit
Housing Diameter	5,38 In / 136,6 mm		Standart @ 60 Hz 387 HP
Minimum Casing Size	6,5 In / 165 mm		High Strength @ 60 Hz 534 HP
Shaft Diameter	0,866 In / 22 mm		Max Staging: Shaft
Area	0,589 Sq In / 380,13 mm ²		Standart @ 60 Hz 197 Stages
Stage Type	Radial Flow		High Strength @ 60 Hz 272 Stages
Rotational Direction	CW		Max Staging: Thrust Bearing- Floater Pump
Fluid Specific Gravity	1.0		Std (230°F BHT Max) @ 60 Hz 150 Stages
Housing Pressure Limit	6000 PSI		Hi-Ld (250°F BHT Max) @ 60 Hz 189 Stages

Pumps 538 Series

538-4000

Variable Frequency Pump Performance Curve.

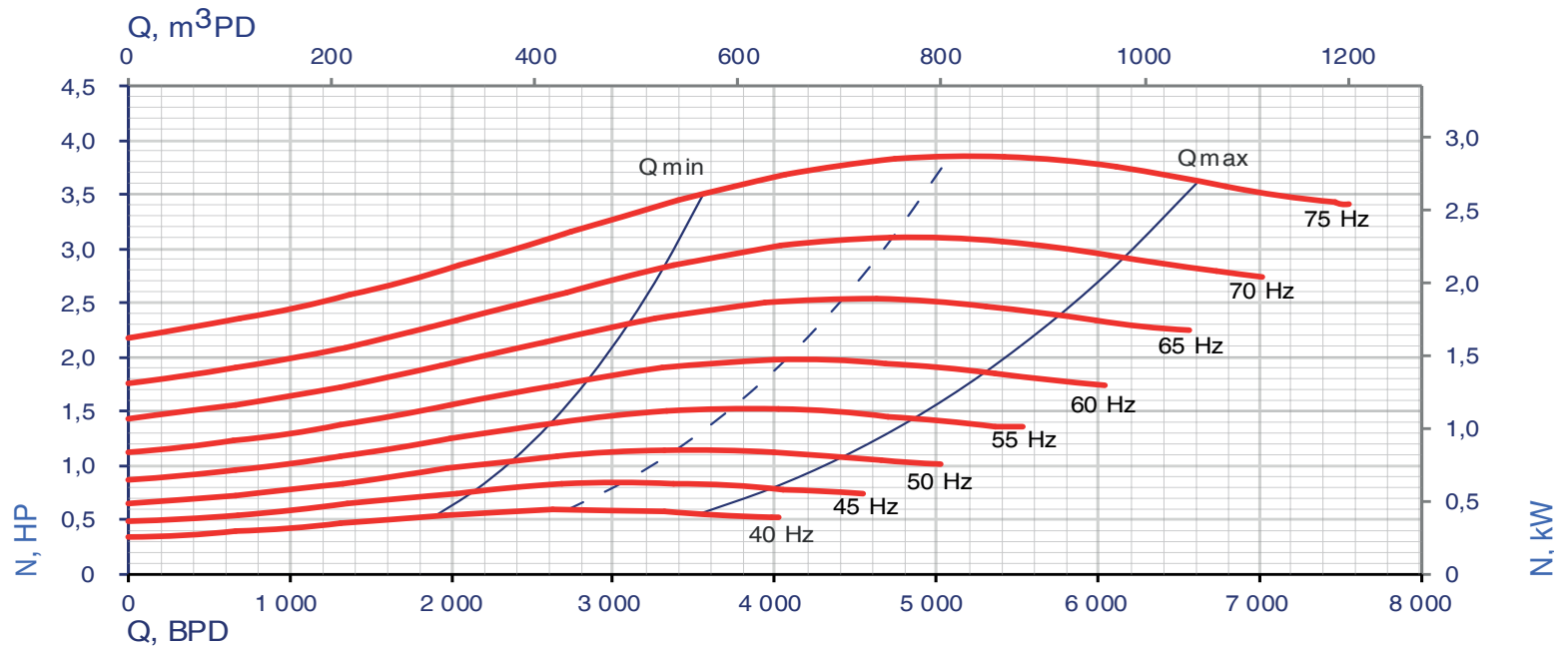
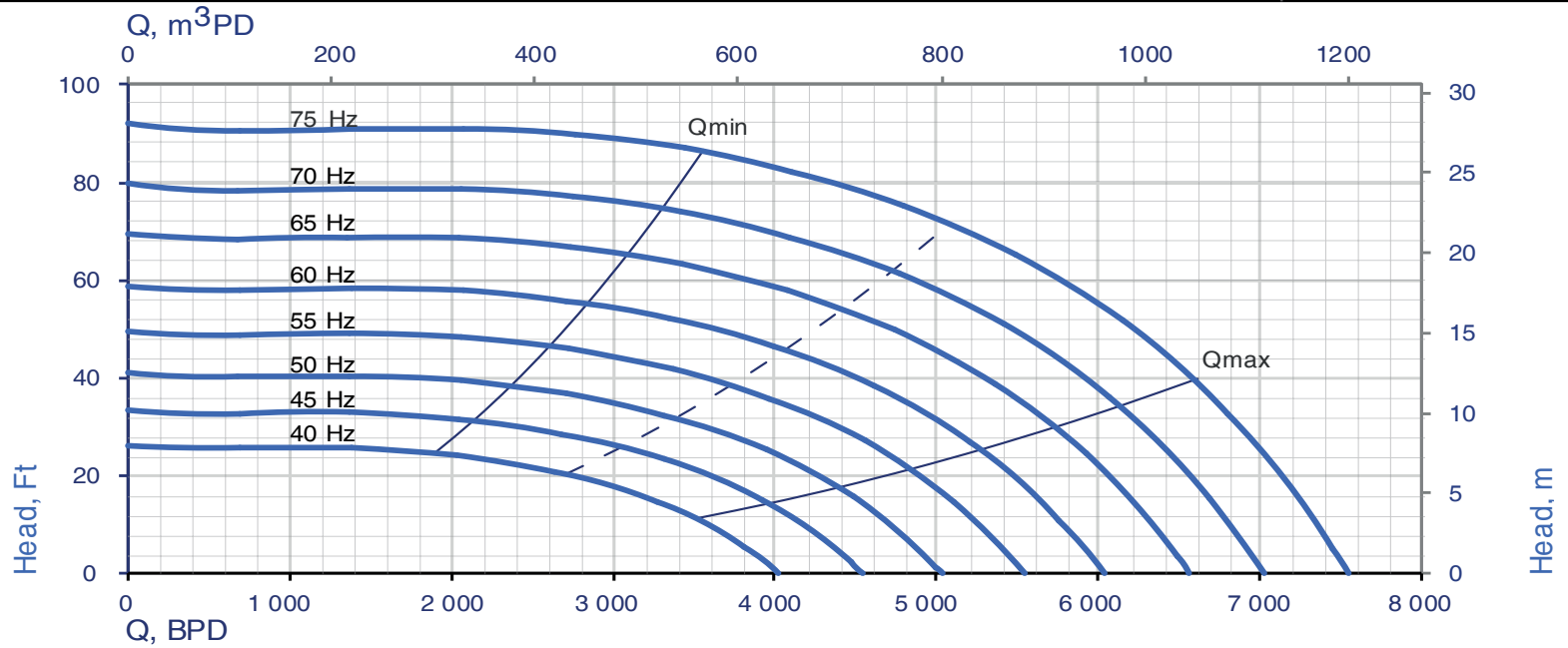
50Hz, 2910RPM



ENGINEERING DATA			
Optimum Operating Range	50 Hz	2380-4420 BPD	Shaft limit
Housing Diameter	5,38 In / 136,6 mm		Standart @ 50 Hz
Minimum Casing Size	6,5 In / 165 mm		High Strength @ 50 Hz
Shaft Diameter	0,866 In / 22 mm		Max Staging: Shaft
Area	0,589 Sq In / 380,13 mm ²		Standart @ 50 Hz
Stage Type	Radial Flow		High Strength @ 50 Hz
Rotational Direction	CW		Max Staging: Thrust Bearing- Floater Pump
Fluid Specific Gravity	1.0		Std (230°F BHT Max) @ 50 Hz
Housing Pressure Limit	6000 PSI		Hi-Ld (250°F BHT Max) @ 50 Hz

538-4000

Pumps 538 Series



Pumps 538 Series

538-4000

HSG	Length		Weight		Standart Pump				Abrasion resistant Pump			
	Feet	Meters	Lbs	Kgs	Floater		Packet		Floater		Packet	
					Stgs	Part No	Stgs	Part No	Stgs	Part No	Stgs	Part No
1	11,27	3,437	377,0	171	58	1227A5001			58	AR1227A5001		
2	12,91	3,937	429,9	195	67	1227A5002			67	AR1227A5002		
3	14,55	4,437	482,8	219	77	1227A5003			77	AR1227A5003		
4	16,19	4,937	535,7	243	87	1227A5004			87	AR1227A5004		
5	17,83	5,437	586,4	266	96	1227A5005			96	AR1227A5005		
6	19,47	5,937	641,5	291	106	1227A5006			106	AR1227A5006		
7	21,11	6,437	692,2	314	116	1227A5007			116	AR1227A5007		

Description	Length		Weight		Standart	Corrosion-resistant
	Feet	Meters	Lbs	Kgs	Part No	Part No
Discharge Head (3-1/2" 10RD NUE)	0,66	0,2	11,2	5,1	12481027502	CR12481027502
Check valve (3-1/2" 10RD NUE)	0,71	0,215	17,9	8,1	KOSH892	CRKOSH892
Drain valve (3-1/2" 10RD NUE)	0,64	0,195	10,1	4,6	KS892	CRKS892
Bolt On Intake	0,94	0,287	27,3	12,4	17001000	CR17001000