



# Double Suction Pumps DS/DSN



DS Model.



DSN Model.

## Applications

- Process
- Petrochemical industry
- Pulp & Paper
- General Industry
- Marine

## Feature

- Double suction Design.
- Assurance axial balance.
- Horizontally split casing.
- Easy inspection and repair.
- Offset axial thrust load.
- Easily replaced, protect.
- API standard 610 (API Code : BB1)

## Ratings

Capacity	Up to 400 m <sup>3</sup> /min (105,669 US GPM)
Head	Up to 400 m (1,312ft)
Discharge Pressure	Up to 40 kgf/cm <sup>2</sup> (568 PSIG)
Allowable Suction Pressure	Up to 20 kgf/cm <sup>2</sup> (284 PSIG)
Impeller Type	Enclosed
Temperature	-50°C ~ 150°C (-58°F ~ 302°F)
Flanges	ANSI, other standards also available
Materials	According th API610 Material code

## Specification

Model DSN						
Size	Model	Capacity (m <sup>3</sup> /min)	Head (m)	Power (kW)	Revolution (rpm)	
200 × 200	2020 4C 1	3.1/5.6	1 6 / 1 8	15	1750	
	2	3.4/5.6	1 8 / 1 3	18.5		
	3	3.4/5.6	19.5/15	22		
	2020 6C	2.2/3.6	8.5/6.5	7.5	1180	
	200 × 150	2015 4D 1	2.9/4.0	2 0 / 1 8	18.5	1750
		2	3.1/5.6	2 2 / 1 6	22	
3		3.2/5.6	2 8 / 2 2	30		
4		4.0/5.6	3 0 / 2 6	37		
2015 6D 1		2.1/3.8	10.7/7.5	7.5	1180	
2		2.2/4.0	14/10.5	11	1750	
2015 4E 1		2.9/3.9	3 2 / 3 0	30		
2		3.1/5.6	3 5 / 2 8	37		
3		3.4/5.6	4 1 / 3 4	45		
200 × 100		2015 6E 1	2.0/3.8	15/11.5	11	1180
		2	2.1/3.8	2 0 / 1 6	15	
		3	2.2/4.0	2 2 / 1 8	18.5	
	4	2.3/4.0	2 5 / 2 1	22		
	2015 4F 1	3.2/5.6	6 0 / 5 2	75	1750	
	2	3.2/5.6	7 7 / 6 4	93		
	3	3.4/5.2	9 2 / 8 3	110		
	2015 4G	3.5/5.6	100/90	132	1180	
	2015 6F 1	2.3/3.6	2 6 / 2 2	22		
	2	2.2/4.0	3 3 / 2 7	30		
	250 × 250	2015 6G	2.4/4.2	4 3 / 3 6	45	1750
		2525 4C 1	5.0/9.0	1 7 / 1 3	30	
		2	5.0/7.0	2 1 / 2 0	37	
		2525 6C 1	4.1/5.3	9 / 8	11	1180
		2	4.1/6.2	9 / 7 . 5	15	1750
		2520 4D 1	6 / 8	2 2 / 2 0	37	
	2	6 / 9	2 6 / 2 1	45		
	250 × 200	2520 6D 1	4 / 4 . 7	1 2 / 1 0	11	1180
2		4 / 6 . 2	1 5 / 1 2	15		
3		4.1/6.2	4 0 / 3 5	18.5		
2520 4E 1		6 / 9	5 0 / 4 5	75	1750	
2		6 / 9	6 0 / 5 2	93		
3		6.5/9	1 5 / 1 4	110		
2520 6E 1		4 / 5 . 2	1 7 / 1 5	18.5	1180	
2		4.2/6	2 2 / 1 9 . 5	22		
3		4 / 6	2 7 / 2 3	30		
250 × 150		2515 4F 1	6 / 8	7 2 / 6 2	110	1750
		2	6 / 9	8 5 / 7 5	132	
		3	6 / 9	9 8 / 8 6	160	
	2515 6F 1	4.6/6	3 3 / 2 9	37	1180	
	2	4 / 6	4 2 / 3 7	45		
	3	4 / 5 . 8	1 1 8 / 1 1 6	45		
	2515 4G 1	3.9/5.5	1 1 8 / 1 0 4	160	1750	
	2	4 / 8	1 1 8 / 1 0 2	190		
	3	4 / 9	5 0 / 4 7	220		
	2515 6G 1	2.7/4.5	5 0 / 4 2	55	1180	
	2	2.7/6.3	1 2 3 / 1 2 0	75		
	2515 4H 1	4 / 5	1 2 3 / 1 1 0	190		
	300 × 300	2	4 / 7	1 3 7 / 1 1 0	220	1750
		3	4.1/8	1 3 7 / 1 1 8	260	
		4	4.5/9	1 5 0 / 1 3 0	300	
		2515 6H 1	2.8/5.5	5 7 / 5 0	75	1180
		2	3 / 6	6 8 / 5 7	95	
		3	3.2/6.2	8 0 / 6 8	110	
3030 4C 1		9.2/13	1 8 . 5 / 1 3	45	1750	
2		9.4/13	2 2 / 1 6 . 5	55		
3030 6C 1		6.2/8.5	9 / 6 . 5	15		
300 × 250		2	6.2/8.5	9 . 5 / 7	18.5	1180
		3025 4D 1	9.3/13	2 4 / 1 7	55	
		2	9 / 1 3	3 0 / 2 4	75	
	3025 6D 1	6 / 8 . 5	1 2 / 1 0	22	1180	
	2	6 / 8 . 5	1 6 / 1 2	30		
	3	6.2/9	1 7 / 1 3	37		
	3025 4E 1	9.5/13	4 4 / 3 7	110	1750	
	2	9.5/13	5 0 / 4 4	132		
	3	9.5/13	6 0 / 5 3	160		
	4	9.5/13	6 5 / 5 8	190		

Model DSN						
Size	Model	Capacity (m <sup>3</sup> /min)	Head (m)	Power (kW)	Revolution (rpm)	
300 × 250	3025 4E 1	9.5/13	4 4 / 3 7	110	1750	
	2	9.5/13	5 0 / 4 4	132		
	3	9.5/13	6 0 / 5 3	160		
	3025 6E 1	6 / 7	6 5 / 5 8	190	1180	
	2	6 / 9	1 8 / 1 7	30		
	3	6 / 9	2 0 / 1 6	37		
300 × 200	3020 4F 1	9 / 1 3	7 0 / 6 7	190	1750	
	2	9 / 1 3	8 0 / 7 3	220		
	3	9 / 1 3	8 8 / 8 3	260		
	4	9 / 1 3	9 8 / 9 3	300		
	3020 4G 1	7.7/11	1 1 7 / 1 0 6	300	1180	
	2	7.7/13	1 1 7 / 1 0 2	350		
	3020 6G 1	5.5/8.3	4 8 / 4 5	90		
	300 × 150	2	5.8/9	4 8 / 4 3	110	1750
		3020 4H 1	9.5/12	1 1 7 / 1 1 0	300	
		2	10/13	1 2 3 / 1 1 5	400	
		3	10/13	1 4 0 / 1 3 5	450	1180
		3020 6H 1	6.5/9	5 2 / 4 7	110	
2		6.5/9	6 0 / 5 7	132		
3		5/9.6	7 5 / 6 5	160	1180	
4		5.5/10	8 7 / 7 7	190		
3535 6B 1		9 / 1 6	1 0 / 7	22		
350 × 300		2	9 / 1 6	1 2 . 5 / 9	37	1180
		3530 6D 1	9 / 1 4	1 9 / 1 5 . 5	55	
		2	9 / 1 6	2 1 / 1 6 . 5	75	
		3	9 / 1 6	2 5 / 2 0	93	1180
		3525 6E 1	9 / 1 7	2 8 / 2 4	93	
		2	9 / 1 8	2 4 / 2 8	110	
400 × 350		3525 6F 1	9 / 1 6	3 5 / 3 2	110	1180
		2	9 / 1 8	3 8 / 3 2	150	
		3	9 / 1 8	5 0 / 4 3	190	
	4035 6D 1	18/21	2 2 / 1 6	75	1180	
	2	18/21	2 6 / 2 0	93		
	3	18/21	2 8 / 2 1	110		
4030 6E 1	18/22	3 1 / 2 5	150	1180		
2	18/22	4 2 / 3 0	190			
3	16/22	4 5 / 3 3	220			
450 × 400	4540 6C 1	22/28	1 9 / 1 5	110	1180	
	2	22/28	2 2 / 1 8	150		
	4540 6D 1	22/30	2 5 / 2 0	150		
	2	22/30	3 4 / 2 5	190	1180	
	4535 6E 1	24/32	4 0 / 3 2	220		
	2	25/34	3 5 / 3 5	260		
500 × 450	3	25/34	4 7 / 3 9	300	880	
	5045 8C 1	22/34	1 5 / 9 . 5	75		
	2	22/36	1 7 / 1 1	93		
	3	24/36	2 0 / 1 4	110	1180	
	5045 8D 1	24/36	2 0 / 1 4	150		
	2	20/36	2 0 / 1 4	150		
500 × 400	5040 6C 1	30/40	2 6 / 2 0	190	1180	
	2	30/40	3 0 / 2 4	220		
	3	30/40	3 2 / 2 6	260		
	5045 6D 1	30/40	3 8 / 3 0	260	1180	
	2	30/40	4 5 / 3 6	300		
	3	30/40	5 2 / 4 3	370		

Model DS					
Size	Model	Capacity (m <sup>3</sup> /min)	Head (m)	Power (kW)	Revolution (rpm)
600	47	6	75	500	100
		8	100	580	
		12	150	580	
		14	188	700	
600 × 500	50	22	263	580	120-125
		32	375	700	
		42	525	880	
		5	75	435	
700	64	8	150	500	130
		12	225	580	
		15	263	580	
		25	450	495	
700 × 600	70	35	600	580	120-125
		45	750	700	
		5	110	385	
		8	150	435	
800	84	11	225	500	130
		14	300	585	
		25	563	435	
		35	600	580	
800 × 650	90	45	975	580	160
		5	150	330	
		8	225	380	
		10	263	420	
900	110	12	300	450	130
		14	375	480	
		6	225	320	
		8	263	370	
1000	130	10	300	400	130
		12	375	430	
		14	450	460	