



by EBARA Pumps Europe S.p.A.

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PERFORMANCE TABLE

Model (*)		P ₂		Q = Flow rate													
Single Phase	Three phase	[kW]	[HP]	l/min 0	50	100	150	200	250	300	350	400	450	480	550	600	650
				m³/h 0	3	6	9	12	15	18	21	24	27	28.8	33	36	39
H = Head [m]																	
DUMPER 10 51-S M(-NC)	DUMPER 1X 51-S T	1	1.3	16	14.8	13.6	12.5	11.3	10.2	8.5	6.7	4.5	2	0	-	-	-
-	DUMPER 1X 51.5-S T	1.5	2	16	15.5	15.1	14.4	13.7	12.7	11.9	10.6	9.2	7.7	6.5	4.3	2.2	0

Model (*)		P ₂		Q = Flow rate													
				l/min 0	200	300	400	500	600	700	800	900	1000	1100	1200	1270	1400
Single Phase	Three phase	[kW]	[HP]	m³/h 0	12	18	24	30	36	42	48	54	60	66	72	76.2	84
H = Head [m]																	
DUMPER 2X 51.5-S M-NC	DUMPER 2X 51.5-S T	1.5	2	15.3	13.5	11.9	9.8	6.7	0	-	-	-	-	-	-	-	-
DUMPER 2X 52.2-S M-NC	DUMPER 2X 52.2-S T	2.2	3	19	16.3	15.3	14.1	12.8	11.6	10.1	8.6	7.1	5.4	3.7	1.9	0	-
-	DUMPER 2X 53-S T	3	4	20.0	17.6	16.4	15.3	14	12.7	11.3	10	8.7	7.4	5.8	4.2	2.8	0

Model (*)		P ₂		Q = Flow rate													
				l/min 0	100	200	300	420	600	800	1050	1120	1150	1600	2130	2600	3000
Single Phase	Three phase	[kW]	[HP]	m³/h 0	6	12	18	25.2	36	48	63	67.2	69	96	127.8	156	180
				H = Head [m]													
-	DUMPER 3X 53.7-S T	3.7	5	51	45.5	42	32.9	0	-	-	-	-	-	-	-	-	-
-	DUMPER 3X 53.7-M T	3.7	5	22	21.5	20.7	20	18.8	16.8	14.1	8.8	4.7	0	-	-	-	-
-	DUMPER 3X 53.7-L T	3.7	5	15	14.6	14.3	14	13.6	13	12.2	11.2	10.8	10.7	8.2	0	-	-
-	DUMPER 3X 55.5-S T	5.5	7.5	47.5	46.0	43.5	41	37.1	33.5	21.8	6.5	0	-	-	-	-	-
-	DUMPER 3X 55.5-M T	5.5	7.5	28	27.1	26.2	25.3	24.1	22.7	20.6	18.2	17.5	17.2	12.4	5.9	0	-
-	DUMPER 3X 57.5-S T	7.5	10	49.0	48.5	47	46	43.5	37.9	29.4	18.2	-	-	-	-	-	-
-	DUMPER 3X 57.5-M T	7.5	10	29.5	29.1	28.2	27.7	26.8	25.3	23.8	22.1	21.2	20.9	16.8	11.5	5.7	0

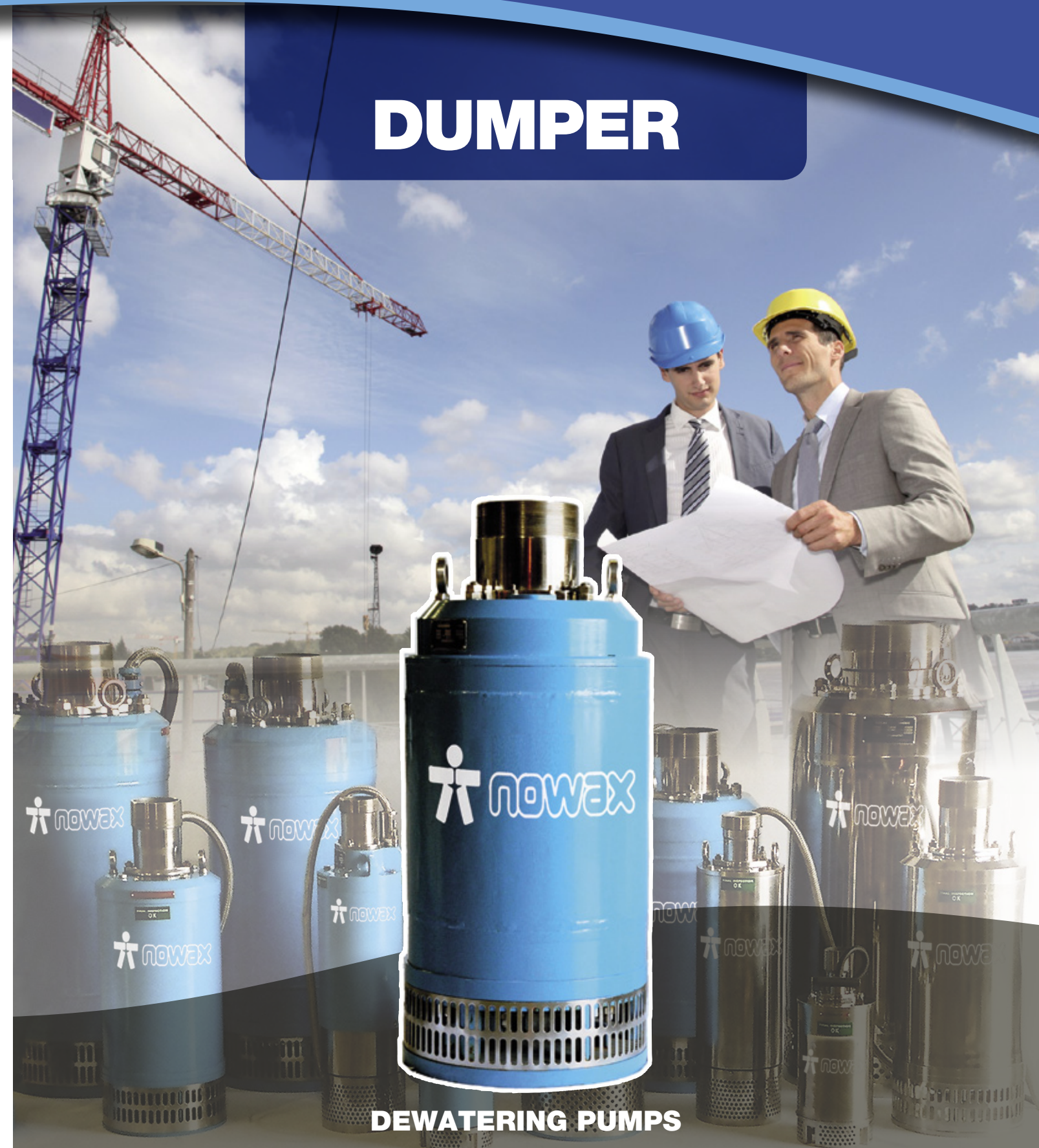
Model (*)		P ₂		Q = Flow rate													
				l/min 0	200	400	600	800	1000	1250	1600	2000	2500	3000	3500	4000	4450
Single Phase	Three phase	[kW]	[HP]	m³/h 0	12	24	36	48	60	75	96	120	150	180	210	240	267
				H = Head [m]													
				-	DUMPER 4X 512-S T-SD	12	16	72.5	66.0	60.0	53.5	45.0	35.9	0	-	-	-
-	DUMPER 4X 512-M T-SD	12	16	33.1	31.4	30.6	29.4	28	27.1	25.4	23.1	20.9	16.9	13.7	9.7	5	0

Model (*)		P ₂		Q = Flow rate													
				l/min 0	100	200	300	400	500	600	700	800	900	1000	1100	1150	1200
Single Phase	Three phase	[kW]	[HP]	m³/h 0	6	12	18	24	30	36	42	48	54	60	66	69	72
H = Head [m]																	
-	DUMPER 5X 58-ST	8	10.7	68	62.5	57.5	52.5	46.5	41.0	35.5	30	23.2	16.4	9.6	2.3	0	-

Model (*)		P ₂		Q = Flow rate													
				l/min 0	500	1000	1500	2170	2280	3000	3750	4500	5250	6000	7100	8000	8600
Single Phase	Three phase	[kW]	[HP]	m³/h 0	30	60	90	130.2	136.8	180	225	270	315	360	426	480	516
				H = Head [m]													
-	DUMPER 6X 519-S T-SD	19	25	78.5	73	63.5	45.0	0	-	-	-	-	-	-	-	-	-
-	DUMPER 6X 519-M T-SD	19	25	39	36.9	34.4	31.7	28.5	28	24.6	20	15.1	8.3	0	-	-	-
-	DUMPER 6X 526-S T-SD	26	35	83.5	75	63.5	51.0	12.5	0	-	-	-	-	-	-	-	-
-	DUMPER 6X 526-M T-SD	26	35	45	43	41	38.8	35.9	35	31.8	28.8	24.7	18.8	11.1	0	-	-
-	DUMPER 6X 537-M T-SD	37	50	47	44	41.5	39.3	37	36.3	34	31.5	29	26.3	23.3	16.3	7.3	0

Model (*)		P ₂		Q = Flow rate													
				l/min 0	400	800	1200	1500	1800	2100	2400	2700	3000	3300	3600	3900	4200
Single Phase	Three phase	[kW]	[HP]	m³/h 0	24	48	72	90	108	126	144	162	180	198	216	234	252
H = Head [m]																	
-	DUMPER 7X 537-S T-SD	37	50	88	84.5	82.5	78	74	69	64.5	58	52	47	36.3	27.9	13.7	0

(*)Replace letter "X" in pump name with:
"0" for pump with "top discharge";
"OL" for pump with "top discharge" in AISI 316;
"1" for pump with "side discharge".



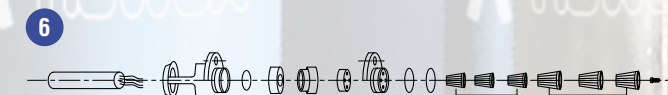
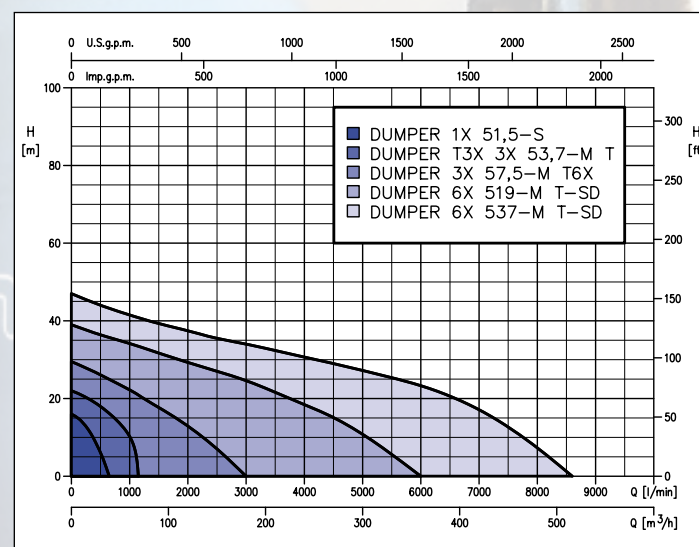
(*) Requires control panel

DUMPER pump line is the answer to dewatering problems. Its reduced diameter and side discharge option, make this pump line suitable for both contracting and industrial use. The stainless steel version allows further more extreme applications such as mining and others. Overall, the robust construction together with high quality materials, make this product a strong and reliable partner for the most demanding user.

- Flexible metal cable protection of around 1 m length
- Water isolating blocking system
- Elastic oil chamber for mechanical seal for heat dissipation on dry running
- Double, independent tandem-mechanical seal
- Sand protection for mechanical seal
- Epoxy coating for parts made of aluminium / steel

Performance chart for DUMPER models 2X through 7X. The chart plots height H [m] against discharge rate Q [m^3/h] and Q [l/min]. The chart shows performance curves for different models, with a legend box containing the following information:

- DUMPER 2X 51,5-S T
- DUMPER 3X 53,7-S T
- DUMPER 5X 58-S
- DUMPER 4X 512-S T-SD
- DUMPER 6X 526-S T-SD
- DUMPER 7X 537-S T-SD



- 1 Double mechanical seal on all pump line.
- 2 Compensating oil bag for mechanical seals.
- 3 On site adjustable efficiency compensating device.
- 4 Zinc anodes to protect casing from salty aggressive water.
- 5 Heavy duty H class insulation motors, ready for the hardest working conditions.
- 6 Double gromet water isolation for electric cable. Metal sleeve of around 1 m length (standard starting from 2.2 kW).
- 7 Built in automatic ON/OFF thermal overload copy to be connected to the control panel's contactor.

	AXIAL version	AXIAL AISI 316 version	RADIAL version
✓ available			
⊘ not available			

Pump diameter index (*)	Discharge position and Material Index		
	0	0L	1
1X	✓	✓	⊘
2X	✓	✓	⊘
3X	✓	✓	✓
4X	✓	✓	✓
5X	⊘	⊘	✓
6X	✓	✓	✓
7X	✓	✓	⊘

	AXIAL version	AXIAL AISI 316 version	RADIAL version
Outer casing	ALUM./STEEL	AISI 316	ALUM./STEEL
Stator casing	ALUM.	AISI 316	ALUM.
Strainer volume	AISI 304	AISI 316	AISI 304
Wearing plate	NBR coated	AISI 316	NBR coated
Diffuser	NBR coated	AISI 316 *	NBR coated
Impeller	AISI 410 hardened	AISI 410 hardened	AISI 410 hardened
Shaft	AISI 431	AISI 431	AISI 431
Tandem mech. seal	TUNGST./ TUNGST.	SiC/SiC	TUNGST./ TUNGST.
O-ring	NBR	FPM	NBR
Hardware	AISI 304	AISI 316	AISI 304
Cable type	H07RN-F	H07RN-F	H07RN-F
Oil	FOOD GRADE	FOOD GRADE	FOOD GRADE
Ball bearings	RADIAL/ANGULAR	RADIAL/ANGULAR	RADIAL/ANGULAR

(*) Not available in all models