

JUNG PUMPEN MULTIFREE SEWAGE PUMPS

- Connection alternatively PN6 or PN10
- Safe to run dry
- Controllable oil chamber
- Plug-in cable connection
- SiC mechanical seal independent of sense of rotation
- Moisture-sealed cable inlet
- Installed motor protection



APPLICATION

"The centrifugal submersible sewage pumps MultiFree are suitable for handling effluent or sewage in municipal and industrial pumping stations as well as in surface water drainage applications. The smaller types are also very successfully as portable units to deal with emergency situations.

The sewage pumps are suitable for handling sewage water.

In hazardous locations explosion-proof sewage pumps Ex have to be used.

MultiFree-sewage pumps are recommended for:

effluent which contains fibrous matter prone to matting / effluent which contains solids / abrasive effluent / effluent which contains trapped air or gas / mixed water / raw effluent / raw sludge / surface water / rainwater

MECHANICAL DATA

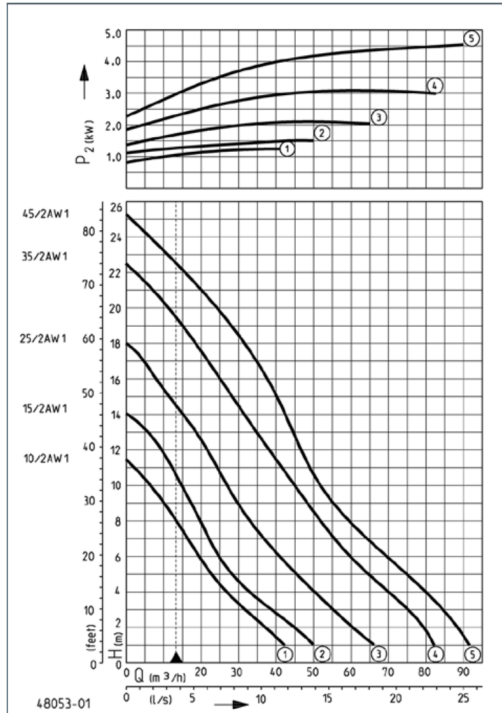
Pump	Vertical single-stage	Dry run protection	Yes
Bearing	Ball bearings, grease-packed	Impeller	Vortex impeller, spheroidal graphite iron
Seal towards the motor section	Duplex shaft seal, from 55/: mechanical seal	Motor housing	Grey cast iron
Oil chamber	Yes	Pump housing	Grey cast iron
Seal towards the medium section	SiC mechanical seal	Submersible	Yes

ELECTRICAL DATA

Voltage	3/PE~400V 3/PE~400/690V	Type of enclosure	IP 68
Power line	10m H07RN-F	Winding thermostat	Yes

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PERFORMANCE



		Single unit		Duplex unit	
Type	Art.-Nr.	Type	Art.-Nr.	Type	Art.-Nr.
Without ex-proof					
10/2 AW1	JP47280	AD 25	JP00310	BD 25	JP45737
15/2 AW1	JP47278	AD 25	JP00310	BD 25	JP45737
25/2 AW1	JP09149	AD 46	JP14353	BD 46	JP45739
35/2 AW1	JP09151	AD 610	JP14354	BD 610	JP45741
45/2 AW1	JP46796	AD 910	JP47263	BD 910	JP47264
With ex-proof					
10/2 AW1, Ex	JP47281	AD 25 Ex	JP09683	BD 25 Ex	JP09681
15/2 AW1, Ex	JP47279	AD 25 Ex	JP09683	BD 25 Ex	JP09681
25/2 AW1, Ex	JP09150	AD 46 Ex	JP14355	BD 46 Ex	JP14360
35/2 AW1, Ex	JP09152	AD 610 Ex	JP14356	BD 610 Ex	JP14361
45/2 AW1, Ex	JP46870	AD 910 Ex	JP47265	BD 910 Ex	JP47266

Additional requirements, see technical data control units

Type	Delivery head H [m]	1	2	3	4	5	6	7	8	9	10	12	14	16	18	20	22
10/2 AW1	Flow rate Q [m³/h]	45	37	31	27	22	19	16	13	10	7						
15/2 AW1		50	45	37	33	28	25	22	20	17	15	10					
25/2 AW1		68	61	55	51	46	41	37	33	30	27	22	16	9			
35/2 AW1		82	80	76	70	65	59	56	52	48	44	38	32	26	19	11	2
45/2 AW1		95	90	84	78	75	72	64	60	54	52	46	41	37	30	24	18

We reserve the right to change specifications without notice. Pump performance is subject to ISO 9906 tolerances

The minimum flow rate in the pressure pipe of $v = 0,7$ m/s is marked in the Q-H-diagram (operative limit).

MULTIFREE DN 65, N = 2900 MIN-1

Type	Motor rating		Current	Wires	Fuse	S3	Free pas- sage	Discharge branch	Weight
	P1	P2							
10/2 AW1	1.7 kW	1.4 kW	3.3 A	6G1,5	10 A	50 %	65 mm	DN 65	43 kg
15/2 AW1	2.1 kW	1.7 kW	3.8 A	6G1,5	10 A	45 %	65 mm	DN 65	43 kg
25/2 AW1	2.9 kW	2.3 kW	4.9 A	6G1,5	10 A	35 %	65 mm	DN 65	43 kg
35/2 AW1	4.05 kW	3.34 kW	7.1 A	6G1,5	10 A	35 %	65 mm	DN 65	46 kg
45/2 AW1	6 kW	5 kW	9.4 A	6G1,5	20 A	20 %	65 mm	DN 65	51 kg