

Tower components

- Compact casing made of fibreglass-reinforced polyester, with supports inlaid in the polyester. This material is highly resistant to all aggressive conditions, as well as to extreme temperatures.
- A high performance, double-action, low-noise forced draught radial fan made of galvanised steel plate. The fan is driven by a three-phase motor and V-belts. All moving parts are protected by grids.
- PVC/Polypropylene exchangeable packs (fill material), very resistant to all types of acid and oil-polluted water as well as to high temperatures. PVC is also self-extinguishable in the event of fire. This fill material is cell-shaped.
- The PVC/Polypropylene droplet separator is specially designed to prevent water loss resulting from the action of the fan.
- The water distribution system is made up of one or several polypropylene or galvanised steel pipes, with ABS water spray nozzles and waterways that are big enough to avoid the obstruction by accumulated sediments.
- This component connects the fan and the cooling tower casing and prevents the transmission of structure-borne noise.



EWK



COOLING TOWERS EWK-D

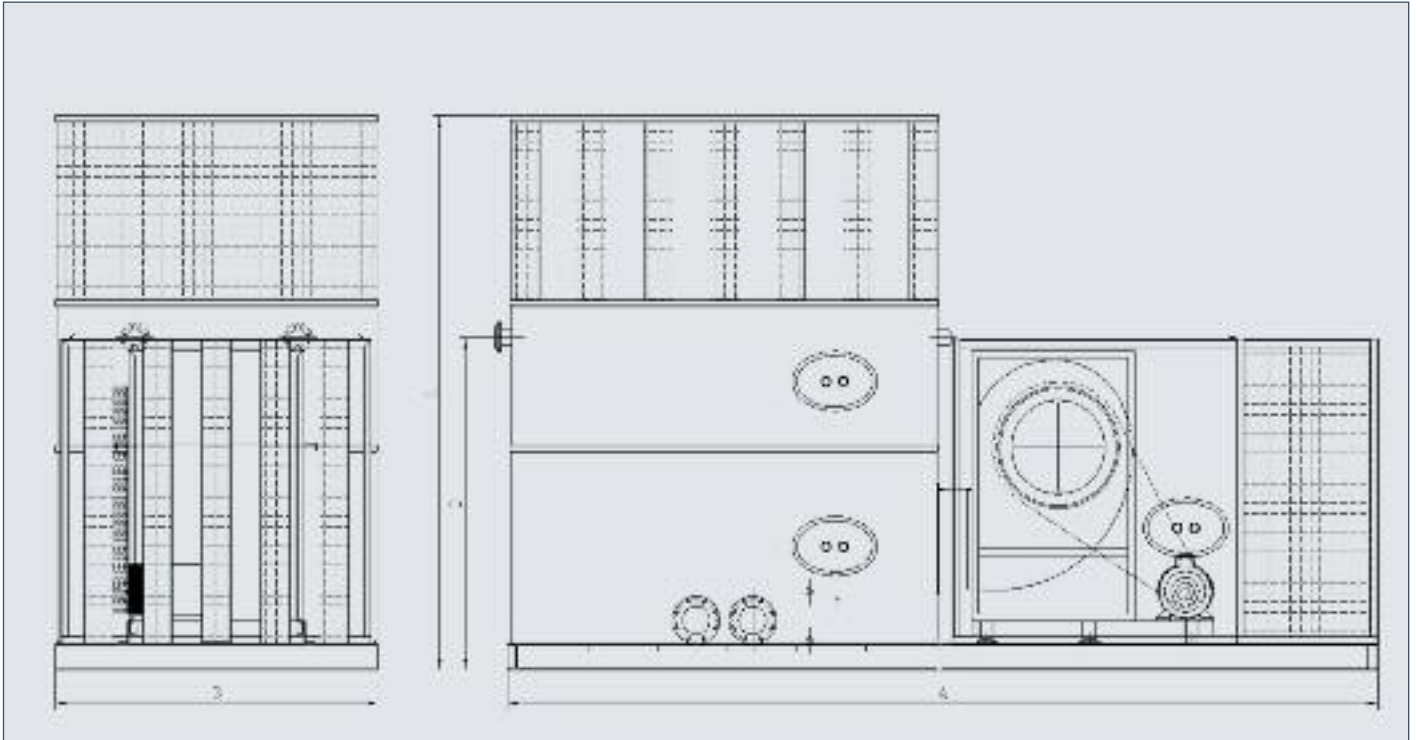


- Low noise operation
- Corrosion proof
- Easy installation and maintenance
- Low profile
- Low vibration level



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EWK



EWK - D

Note: EWK has a continuously advancing policy in the development of models. Therefore, the specifications are subject to changes without prior notice.

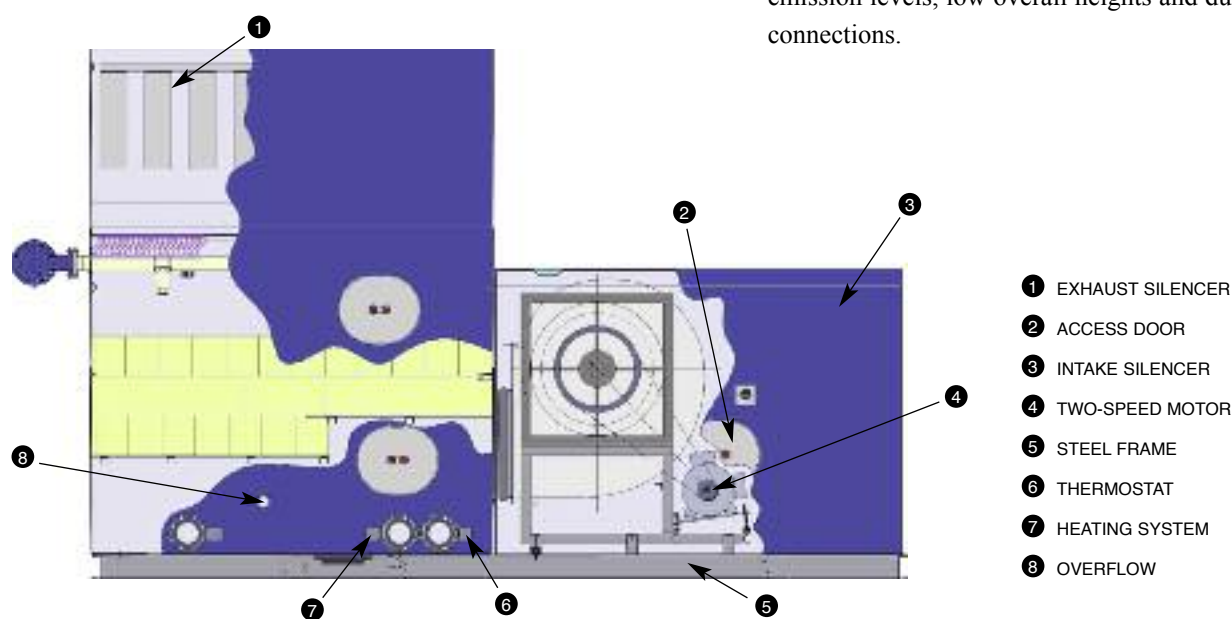
Tower type	Power in KW with wb. = 24°C		Weight empty Kg.	Weight in service Kg.	Fan power Kw.	A mm.	B mm.	C mm.	D mm.	Water inlet	Water outlet
	35/30°C	40/30°C									
WITHOUT SILENCER											
EWK-D 225/3	360	507	620	1620	5,0	2700	1520	2400	2180	1 x DN 100	1 x DN 150
EWK-D 225/4	379	537	620	1620	6,1	2700	1520	2400	2180	1 x DN 100	1 x DN 150
EWK-D 324/3	518	730	880	1760	6,1	3225	1825	2400	2180	1 x DN 100	1 x DN 150
EWK-D 324/4	546	774	880	1760	7,9	3225	1825	2400	2180	1 x DN 100	1 x DN 150
EWK-D 450/3	720	1015	770	2870	9,2	3820	2140	2452	2187	2 x DN 100	2 x DN 150
EWK-D 450/4	758	1075	770	2870	11,8	3820	2140	2452	2187	2 x DN 100	2 x DN 150
EWK-D 680/3	1088	1533	1500	4300	13,1	4930	2280	2487	2222	2 x DN 100	2 x DN 150
EWK-D 680/4	1146	1624	1500	4300	16,7	4930	2280	2487	2222	2 x DN 100	2 x DN 150
EWK-D 900/3	1392	2030	2100	5500	17,5	6125	2025	2487	2222	2 x DN 100	2 x DN 150
EWK-D 900/4	1517	2150	2100	5500	22,2	6125	2025	2487	2222	2 x DN 100	2 x DN 150
WITH SILENCER											
EWK-DA 225/3	360	507	970	1970	5,8	4110	1520	3330	2180	1 x DN 100	1 x DN 150
EWK-DA 225/4	379	537	970	1970	7,5	4110	1520	3330	2180	1 x DN 100	1 x DN 150
EWK-DA 324/3	518	730	1530	3030	9,2	4592	1825	3330	2180	1 x DN 100	1 x DN 150
EWK-DA 324/4	546	774	1530	3030	12,5	4592	1825	3330	2180	1 x DN 100	1 x DN 150
EWK-DA 450/3	720	1015	1520	2620	9,2	4970	2140	3500	2187	2 x DN 100	2 x DN 150
EWK-DA 450/4	758	1075	1520	2620	11,7	4970	2140	3500	2187	2 x DN 100	2 x DN 150
EWK-DA 680/3	1088	1533	2450	5520	13,1	6120	2280	3800	2222	2 x DN 100	2 x DN 150
EWK-DA 680/4	1146	1624	2450	5520	16,7	6120	2280	3800	2222	2 x DN 100	2 x DN 150
EWK-DA 900/3	1392	2030	3250	6650	20,0	7395	2025	3800	2222	2 x DN 100	2 x DN 150
EWK-DA 900/4	1517	2150	3250	6650	25,0	7395	2025	3800	2222	2 x DN 100	2 x DN 150

Accessories

- Intake and exhaust silencers with fibreglass reinforced polyester casing.
- Access door included.
- Hot galvanized sectional steel beams to support the entire cooling tower.
- Two-speed motors.
- Thermostat to regulate the fan speed.
- Heating system to keep water outlet zone free of ice in winter.
- Dampers and flexible connectors at intake and exhaust.

Special advantages of the EWK-D range

- Corrosion-proof, durable, light weight construction thanks to the all-plastic fibre reinforced polyester design.
- Low-noise operation through the use of radial fans.
- Low overall heights.
- Simple and inexpensive installation thanks to our factory-assembled modules or the supply of complete skid-mounted units.
- Water-proof housing thanks to the injection moulded fibreglass reinforced polyester design.
- Suitable for use in enclosed spaces due to low noise emission levels, low overall heights and duct connections.



- ❶ EXHAUST SILENCER
- ❷ ACCESS DOOR
- ❸ INTAKE SILENCER
- ❹ TWO-SPEED MOTOR
- ❺ STEEL FRAME
- ❻ THERMOSTAT
- ❼ HEATING SYSTEM
- ❽ OVERFLOW

Type	Sound Power Level (LwA)		Sound pressure level (Lp) (dB(A) Distance in meters)							
	dB(A)		5		10		20		30	
	100%	50%	100%	50%	100%	50%	100%	50%	100%	50%
WITHOUT SILENCER										
EWK-D 225	85	84	63	62	57	56	51	50	47	46
EWK-D 324	86	85	64	63	58	57	52	51	48	47
EWK-D 450	88	87	66	65	60	59	54	53	50	49
EWK-D 680	90	89	68	67	62	61	56	55	53	51
EWK-D 900	91	90	69	68	63	62	57	56	53	52
WITH SILENCER										
EWK-DA 225	73	71	51	49	45	43	39	37	35	33
EWK-DA 324	76	73	54	51	48	45	42	39	38	35
EWK-DA 450	77	73	55	51	49	45	43	39	39	35
EWK-DA 680	78	76	56	54	50	48	44	42	40	38
EWK-DA 900	80	78	58	56	52	50	46	44	42	40

Conditions: Fill height 900 mm., rain density 15 m³/h/m², standard motor speed.