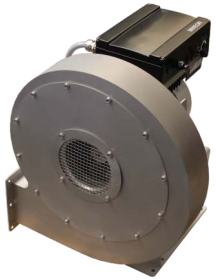
Cooling blowers - Overview

COOLING BLOWER

Blower (free blowing)		Engine				Dimensions	Hose connection		Total mass	Max. Sound pressure
Designation	Volume flow m^3/h	Performance kW	Phases	Voltage V	Frequency Hz	WxHxD mm	Diameter mm	Length m	kg	dB(A)
TB 0080	80	0.37	1	115/230	50/60	246 x 247 x 256	40	3	10	53
TB 0140	140	1.1	1	115/230	50/60	286 x 302 x 292	50	3	16	63
TB 0310	315	4.0	3	400	50/60	382 x 384 x 432	60	5	42	69
TB 9 FUK	1080	4.0	3	400	50/60	505 x 598 x 464	140	5	60	99
TB 120 FUK	1500	5.5	3	400	50/60	487 x 637 x 487	140	5	61	102
TB 7/FUK/11	1920	11	3	400	50/60	625 x 775 x 602	150	5	113	102
TB 7/FUK/20	5820	20	3	400	50/60	625 x 773 x 602	175	5	131	105
TB HR160	6600	25	3	400	50/60	672 x 760 x 730	175	5	97.5	105

Blowers are used for cooling the shakers. TIRA mainly offers side channel blowers that provide an above-average cooling performance in comparison with axial blowers. The low-maintenance blowers can also be installed outdoors.

Cooling blower TB 0140



Cooling blower TB 9 FUK

Cooling blower TB 7/FUK

TIRA GmbH Eisfelder Str. 23/25, 96528 Schalkau, Germany • Phone: +49 36766 280-0 • Fax: +49 36766 280-99 • Internet: www.tira-gmbh.de • Email: st@tira-gmbh.de

Noise reduction - Overview

NOISE REDUCTION

Blower	Acoustic enclosure				Silencer			
Designation	Designation	Dimensions LxWxH mm	Weight kg	Noise reduction* dB(A)	Designation	Dimensions LxD mm	Weight kg	Noise reduction* dB(A)
TB 0080	TB 0080-AE	860 x 650 x 760	45	15-23	TB 0080-SI	310 x 65	0.2	5
TB 0140	TB 0140-AE	860 x 650 x 760	45	15-23	TB 0140-SI	308 x 82	0.2	8
TB 0310	TB 0310-AE	860 x 650 x 760	55	15-23	TB 0310-SI	308 x 82	0.58	6
TB 9 FUK	TB 9-AE	1470 x 1250 x 1393	103	5-23	TB 9-SI	1012 x 150	1.2	3-6
TB 120 FUK	TB 120-AE	1470 x 1250 x 1393	103	5-23	TB 120-SI	1100 x 160	1.2	3-6
TB 7/FUK	TB 7/FUK-AE	1470 x 1250 x 1393	103	5-23	TB 7/FUK-SI	1120 x 280	9.2	9-15

An aerated sound-absorbing chamber is offered for installing the cooling blower in closed rooms. In addition to this, silencers for damping the blow-off noise are offered.

Blower	Air-Water-Heat exchanger			
Designation	Designation	Dimensions LxWxH mm	Weight kg	Noise reduction* dB(A)
TB 7/FUK	WWT	1200 x 1500 x 2080	800	30

Acoustic enclosure TB 7/FUK-AE

Silencer TB 0310-SI

Air-Water-Heat exchanger WWT

The newly by TIRA developed Air-Water-Heat exchanger WWT is used for cooling down the exhaust air of the vibration test system to room temperature. This allows the operation inside rooms without problems. The heat exchanger is additionally designed as a noise protection casing and therefore offers highly efficient silencing performance.

*depending on frequency

TIRA GmbH Eisfelder Str. 23/25, 96528 Schalkau, Germany • Phone: +49 36766 280-0 • Fax: +49 36766 280-99 • Internet: www.tira-gmbh.de • Email: st@tira-gmbh.de