


High pressure tunnelling & mining fans with accessories 高压轴流风机技术规格

FAN MODEL 风机型号	AVH-R63	AVH-R71	AVH-R90	AVH-R100	AVH-R112	AVH-R125	AVH-R140	AVH-R160	AVH-R180	AVH-R200	AVH-R230	
Motor 电机	F-class, IP54, 400/440 V, 50/60 Hz											
Motor support 电机支架	Flange mounted											
Nominal power 额定功率	9-25 kW	11-37 kW	37-90 kW	45-110 kW	9-37 kW	45-160 kW	45-160 kW	75-315 kW	132-500 kW	132-500 kW	250-710 kW	
Impeller speed 转速	3000/3600 rpm				1500/1780 rpm				1000/1200 rpm	1000/1200 rpm		
Bearings 轴承	SKF											
Bearing lubrication 轴承润滑	SKF "auto-lubricators system 24" on casing outside SKF自动润滑											
Impeller hub 转鼓	Ø300 mm, cast aluminium 铸铝	Ø430/510 mm, cast steel 铸钢	Ø510/560 mm, cast steel 铸钢	Ø800 mm, cast steel 铸钢	Ø800 / 900 / 1000 mm, cast steel 铸钢	Ø970-1250 mm, welded steel 焊接钢						
Impeller blades 叶片	4-12 pcs, cast aluminium, adjustable at stillstand 4-12片, 铸铝, 角度可调											
Gap between blade top and fan casing 叶片与机壳间隙	1,2 mm	1,2 mm	1,2 mm	1,2 mm	1,5 mm	1,5 mm	1,5 mm	2,0 mm	2,0 mm	2,5 mm	3,0 mm	
Casing inner Ø 风机内径	630 mm	710 mm	900 mm	1000 mm	1120 mm	1250 mm	1400 mm	1600 mm	1800 mm	2000 mm	2300 mm	
Fan casing thickness 机壳厚度	5 mm	6 mm	6 mm	6 mm	6 mm	6 mm	6 mm	8 mm	10 mm	10 mm	12 mm	
Casing anti-rust protection 机壳防锈保护	140 µ epoxy + polyurethane											
Casing flanges 机壳法兰	laser-cut, 10x60 mm, welded 激光切割焊接		laser-cut, 10x70 mm, welded 激光切割焊接		laser-cut, 10x80 mm, welded 激光切割焊接		laser-cut, 10x100 mm, welded 激光切割焊接		laser-cut, 10x120 mm, welded 激光切割焊接			
Turbulence elimination 紊流控制	Guide vanes welded to inside casing + straight longitudinal "fins" 导流叶片加纵向导流脊											
CE-marking CE 标识	yes											
Performance test 性能测试	Full test before delivery incl. capacity measurements. Test made together with frequency inverters should such be included in the delivery. 出厂前完成全部测试, 包括变频器程序匹配											
Allowed vibrations 允许抖动	ISO 1940 Level G4											

SILENCERS 消音器	MODEL 型号	GS63	GS71	GS90	GS100	GS112	GS125	GS140	GS160	GS180	GS200	GS230
	Inner Ø 内径	630 mm	710 mm	900 mm	1000 mm	1120 mm	1250 mm	1400 mm	1600 mm	1800 mm	2000 mm	2300 mm
	Outer Ø 外径	778 mm	858 mm	1088 mm	1188 mm	1308 mm	1438mm	1628 mm	1828 mm	2028 mm	2228 mm	2528 mm
	Length 长度	750mm	1000 mm	1250 mm	1500 mm	1500 mm	2000 mm	2000 mm	2400 mm	2400 mm	2400 mm	3000 mm
	Casing flanges 法兰	lasercut, 8x70 mm, welded 激光切割焊接		lasercut, 8x90 mm, welded 激光切割焊接			lasercut, 8x110 mm, welded 激光切割焊接					
	Casing thickness 外壳厚度	3 mm										
	Sound absorbing materia I 静音材料	Heavy mineral wool 70mm 重矿棉		Heavy mineral wool 95mm 重矿棉			Heavy mineral wool 120mm 重矿棉					
	Self support-ing to fan casing 与风机机壳匹配 对接	yes										
	Casing anti-rust protection 防锈保护漆	140 µ epoxy + polyurethane										
	"Super silencer" 超级消音器	centre baffle, l=silencer-50 mm, Ø380 mm 中心静噪鼓					centre baffle, l=silencer -50 mm, Ø650 mm 中心静噪鼓			centre baffle, l=silencer 50mm, Ø800 mm 中心静噪鼓		

INLET BELLS 进风口	MODEL 型号	GIB63	GIB71	GIB90	GIB100	GIB112	GIB125	GIB140	GIB160	GIB180	GIB200	GIB230
	Intake 进口	"Bell shaped", pressure turned喇叭形										
	Casing thickness 钢板厚度	3 mm										
	Protection grille "spider net model" 蜘蛛网式防护罩											

DUCTADAPTERS 风管接头	MODEL 型号	GDA63	GDA71	GDA90	GDA100	GDA112	GDA125	GDA140	GDA160	GDA180	GDA200	GDA230
	Length 长度	150 mm	150 mm	150 mm	150 mm	150 mm	150 mm	200 mm	200 mm	200 mm	200mm	200 mm
	Casing thickness 钢板厚度	3 mm										
		Ø8 mm ring welded to adapter end for securing ducting配8mm直径风筒安装防滑筋										

FREQUENCY INVERTERS 变频器	Nominal power 额定功率	11-710 kW
	Power supply 供电	400/440 V, 50/60 Hz
	Adjustable fan speed 调速范围	250 rpm up to full speed
	Protections 保护	motor current, short circuit, phase failure, over- and under voltage 电机电流、短路、相序错误、电压波动
	Operating controls 运行控制	LED-display with control buttons mounted on outside casing door LED 显示屏，柜门设控制按钮
	Cooling 降温	By cooling fan 冷却风扇
	Capsuling 防护等级	IP 54
	Standard extra protection 标准加强保护	All circuit boards laquered for protection against moisture and dust 电路板均设防潮防尘保护
	CE-marking CE 标识	yes
	Others 其他	The inverters fulfil the EU-regulations for start of electrical equipment 变频器完全符合欧盟电器设备启动规范
	Optional 可选项	Inverters built in an IP54 cabinet. Circuit breaker, automatic fuses, cabinet heater are also optional. 变频器安装在IP54型柜箱内，断路器、自动保险和柜箱加温
	Optional 可选项	EMC-filter