

Project		Ekstra fans for the Vågsbygdporten tunnel	
Position		1	
Technical data			
Static thrust in main air direction		845 N	
Air volume		≈ 16,7 m³/s	
Outlet velocity		≈ 42,2 m/s	
Designed air density		1,20 kg/m³	
Fan data			
Fan code		AJ 710-9 /xx ⁹ - 2 (K)	
Product type		Jet tunnel fan - Unidirectional	
Product code		AJ (K)	250°C/2h 2-pole
Fan diameter [mm]		710	
Absorbed power [kW]		34,0	
Sound power level [dB(A)] +/- 3dB		107,0	
Sound pressure level [dB(A)] +/- 3dB @ 10m - 45°		76 *	
* Sound data is theoretically calculated for free field conditions. Systemair will not be responsible for "in tunnel" noise generation by the fan in its final destination.			
Motor data			
Type of construction		IM B30 (PAD mounted motor)	
Temperature classification		250°C/2h	
Motor brand		ATB (Brook Crompton)	
Motor rated power [kW]		34,00	
Insulation class		ISO H	
Protection class		IP55	
Cos φ		0,90	
Rotational speed [1/min]		2.950	
Nominal current [A]		63,00	
Starting current DOL [A]		441,0	
Nominal voltage / Frequency		3 x 400V (+/- 5%) / 50Hz	
Additional notes:		Incl. 4m suitable cable directly connected to motor windings	
Components		Material specification	
Impeller (blades/hub)		Aluminium LM 13 (fixing with zinc plated bolts)	
Motor support		Bolted brackets (hot dip galvanized sheet steel, painted)	
Fan casing		Sheet steel (hot dip galvanized + painted)	
Silencer with integrated inlet cone 1 x D length		Sheet steel (Pre galvanized + painted)	
Internal perforated liner (silencer)		SS 1.4301	
Mounting feet		Sheet steel (hot dip galvanized + painted)	
Fixing components used for fan assembling		SS 1.4404	
Ancillaries		Material Code / Specification	
Anti vibration mounts		Sylodyn, Polyurethan-Elastomere	
Deflectors		Sheet steel, pre-galvanised + painted	

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