

E

AERATION SYSTEM



**TECHNICAL
DATASHEETS**

E.7 - AGI EMEA FIXED AND MOBILE FANS

AGI EMEA offer an extensive range of highly efficient backward curved centrifugal fan units, providing exceptional performance, together with a wide range of aeration systems designed specifically to suit the AGI EMEA range of FP, FH & FC storage silos. Maintaining the quality of the stored crop is a vital consideration in the design of any storage facility.

The standard AGI EMEA fan selection is based on an air volume of 7m³/h/t of product stored. Available in both fixed & mobile versions, the VFIS and VCAR fans are supplied with hot dipped galvanized mild steel casings, dynamically balanced steel impeller, direct coupled TEFC IP55 motors, inlet & outlet guards. Our fixed fans are supplied with a Ø 405mm diameter and 1 m long flexible ducting made of one silicone coated both sides with glass fabric, clamping band & outlet transition, & anti-vibration pads. The AGI EMEA range of mobile fans units is available up to 18.5 KW & are supplied mounted on wheels & equipped with handgrips for easy handling.

In addition, the fans are supplied with a mounted starter & 10m of electric cable with plug. Detailed fan curves & noise levels are available upon request.



— Fixed fan - front



— Fixed fan - back



— Mobile fan - front



— Mobile fan - back

ELECTRICAL FANS PERFORMANCES - MODEL VFIS

*CAPACITY TOLERANCE

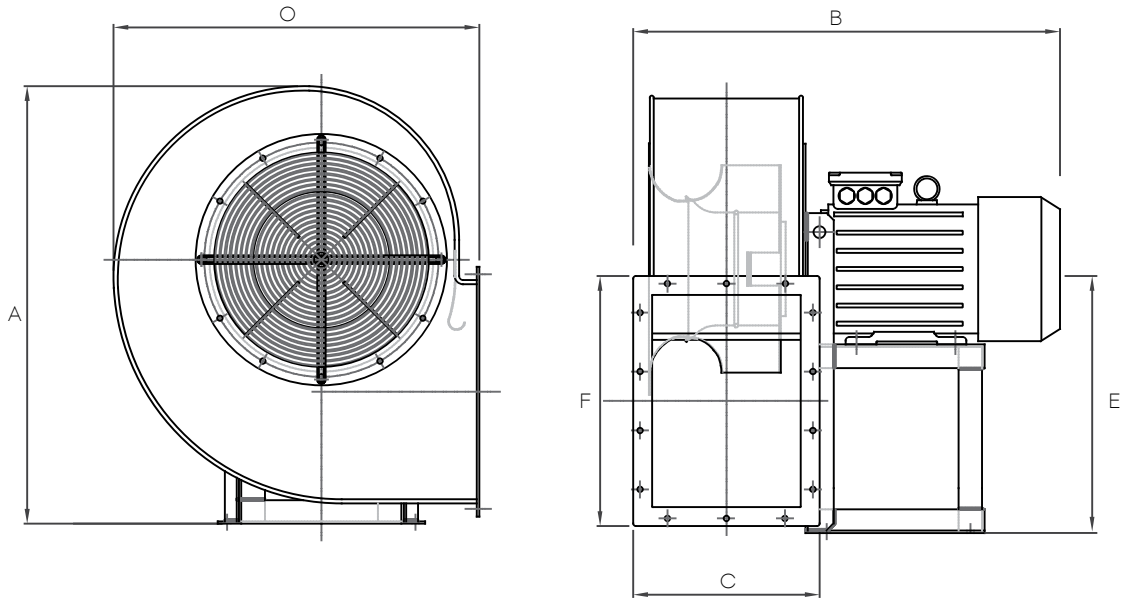
±5%

NOISE LEVEL TOLERANCE
+3 DB(A)*

AIR CAPACITY (M³/H)

Fan type	g/1' rpm	kW inst.	dB(A) 1,5 mt	2400	2700	3000	3360	3780	4260	4800	5400	6000	6720	7500	8400	9600	10800	12000	13500	15000	16800	18900	21300	27000	30000	33600	
				Total pressure (mm H ₂ O)																							
VFIS022Z	2850	2,2	77	165	162	159	150	140	125	106	82	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VFIS030Z	2900	3	78	-	190	188	185	179	170	162	152	140	125	100	-	-	-	-	-	-	-	-	-	-	-	-	-
VFIS040Z	2900	4	79	-	-	-	210	210	208	205	200	190	175	160	140	90	-	-	-	-	-	-	-	-	-	-	-
VFIS055Z	2900	5,5	82	-	-	-	-	230	230	225	220	215	200	185	165	140	110	70	-	-	-	-	-	-	-	-	-
VFIS075Z	2900	7,5	84	-	-	-	-	-	-	270	270	268	262	255	248	235	210	180	-	-	-	-	-	-	-	-	-
VFIS110Z	2930	11	85	-	-	-	-	-	-	-	300	298	292	282	275	260	238	215	190	158	100	-	-	-	-	-	-
VFIS150Z	2935	15	88	-	-	-	-	-	-	-	-	-	350	348	342	335	325	305	290	260	225	150	-	-	-	-	-
VFIS185Z	2935	18,5	89	-	-	-	-	-	-	-	-	-	-	380	377	368	360	347	335	310	280	250	205	-	-	-	-
VFIS150P4Z	1460	15	79	-	-	-	-	-	-	-	-	-	-	-	-	-	180	180	177	172	165	160	145	115	97	65	
VFIS185P4Z	1470	18,5	82	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	215	215	214	210	205	192	170	150	
VFIS220P4Z	1470	22	83	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	235	230	228	220	200	185	170	
VFIS0300P4Z	1470	30	85	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	250	250	242	232	220

BASIC DIMENSIONS



FAN MODEL	A	B	C x F	O	E
VFIS022Z	740	575	250x355	620	450
FVIS030Z	740	640	250x355	620	450
VFIS040Z	830	670	280x400	695	500
VFIS055Z	830	730	280x400	695	500
VFIS110Z	930	905	315x450	780	560
VFIS150Z	1040	945	355x500	850	630
VFS185Z	1040	945	355x500	850	630
VFIS150P4Z	1490	1100	500x710	1200	900
VFIS220P4Z	1643	1270	500x800	1338	1000
VFIS185P4Z	1643	1240	560x800	1338	1000
VFIS0300P4Z	1775	1350	630x900	1485	1060

All dimensions are in mm
Fully detailed planning in drawing available on request.