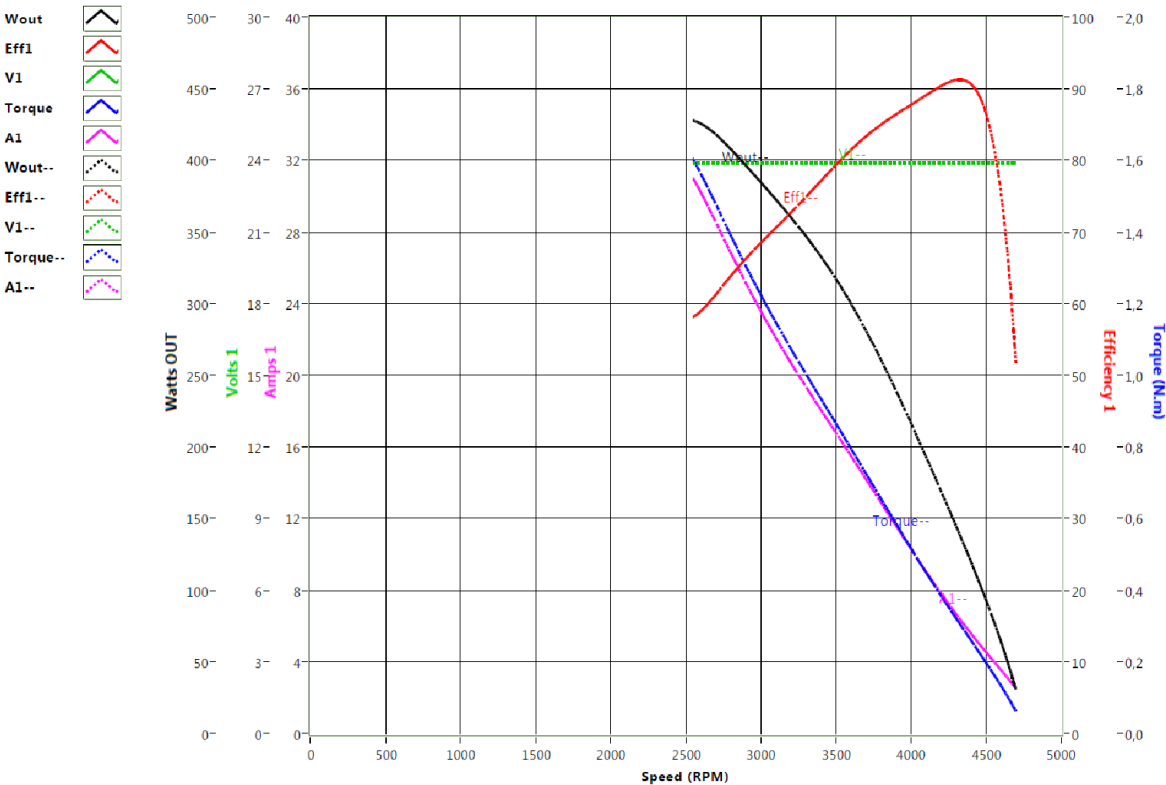


Tolerâncias quando não especificadas são conforme DIN ISO 2768-1 classe m médio									
Dimensões Longitudinais	0,5 - 3	3 - 6	6 - 30	30 - 120	120 - 400	400 - 1000	1000 - 2000	2000 - 4000	
	+0,1 -0,2	+0,1 -0,2	+0,2 -0,3	+0,3 -0,5	+0,5 -0,8	+0,8 -1,2	+1,2 -1,6	+2 -2,5	
Chanfro Râio	0,5 - 3	3 - 6	6 - 30	30 - 120	120 - 400	400 - 1000	1000 - 2000	2000 - 4000	
	+0,2 -0,1	+0,1 -0,2	+0,2 -0,3	+0,3 -0,5	+0,5 -0,8	+0,8 -1,2	+1,2 -1,6	+2 -2,5	



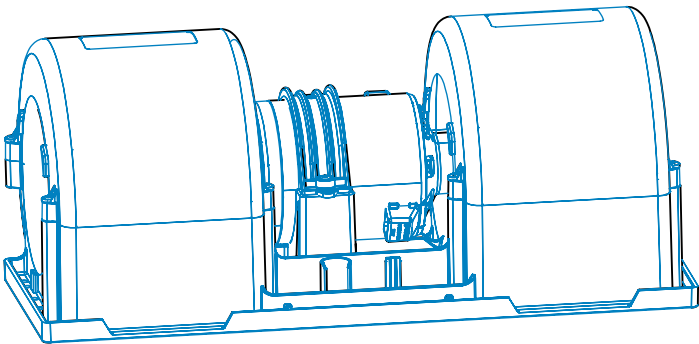
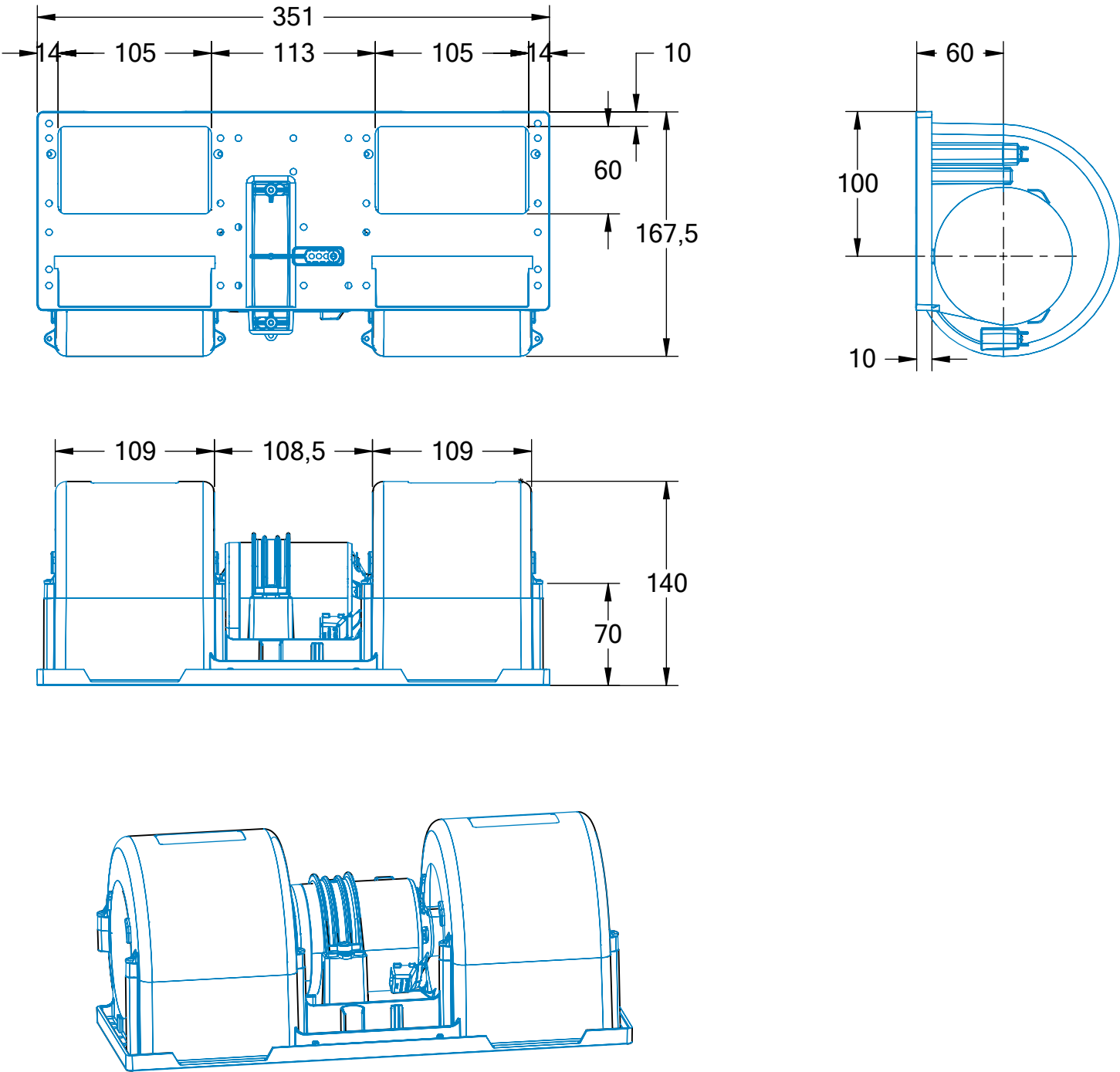
FAN specifications (to be proven by supplier documents):

- Torque: following the graph above. Tolerance of $\pm 0.2\text{Nm}$ at the speed range from 4500 to 3000rpm
- Efficiency: following the graph above. Tolerance of $\pm 2.5\%$ at the speed range from 4500 to 3000rpm
- Airflow: $>800\text{m}^3/\text{h}$, for supply voltage $>26\text{Vdc}$;
- Max. noise: $<75\text{dB}$ measured at 1m distance ;
- Included thermal protection for overload/blocked rotor;
- Lifespan: 25.000h, proven by real lifetest or accelerated test projection. Lifespan with 50% overload (0.64Nm) = 1h.

Environmental tests required (certification provided):

- Vibration (SAE J1455 section 4.9.4.2, or equivalent);
- Mechanical shock (SAE J1455 section 4.10.3.4, or equivalent);
- Thermal shock (ASAE EP455 section 5.1.3, or equivalent);
- Plastic flammability (DOT 571-302);
- Umidity (SAE J1455 section 4.2.3, or equivalent);
- Voltage range: 18-32Vdc;
- Reverse polarity: unlimited time
- All samples (minimum 3) shall pass the tests without functionality or lifetime loss.

Number	Date	Modification	E	Owner
500000285487	13/07/2017			LAURONUN
500000413244	21/05/2019	CONFIGURADO MATERIAL NO MODELO 3D.		LEONARCV



 <i>Marcopolo</i>	Scale: 1:3	Date: 21/05/2019	Denomination: MOTOR AR FORCADO FORCED AIR ENGINE MOTOR AIRE FORZADO
	View System: 	Liquid weight(Kg): 2,440	
	Origin: 99200519		
	Version: AD		
Project Office: ENO_MPIO	Use:		Code: 10079527
Reviser by SAP WorkFlow VIEW IN PLM SYSTEM			
Drawer LEONARCV			
		Class: 992059	