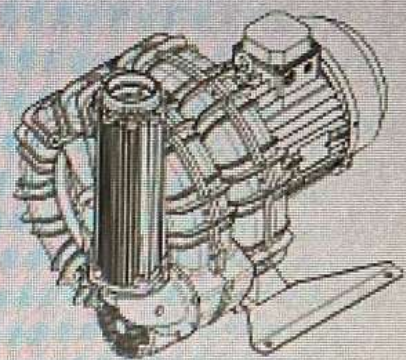


Technical Characteristics	
- Aluminum alloy construction - Smooth operation - Maintenance free	
Electric Motor	
- Motors with IP 55 protection rating, - class F insulation, suitable for operating with inverter (refer to FPZ) - Thermal Protector (PTO) as standard	
Options	
- Special voltages (IEC 60038) - Surface treatments - Increased seal version	

~S	[V] (Δ / Y)	[Hz]
IE2	400 / 690	50
	460 / 795	60
Wide Range	345 - 415 / 600 - 720	50
	380 - 480 / 660 - 830	60

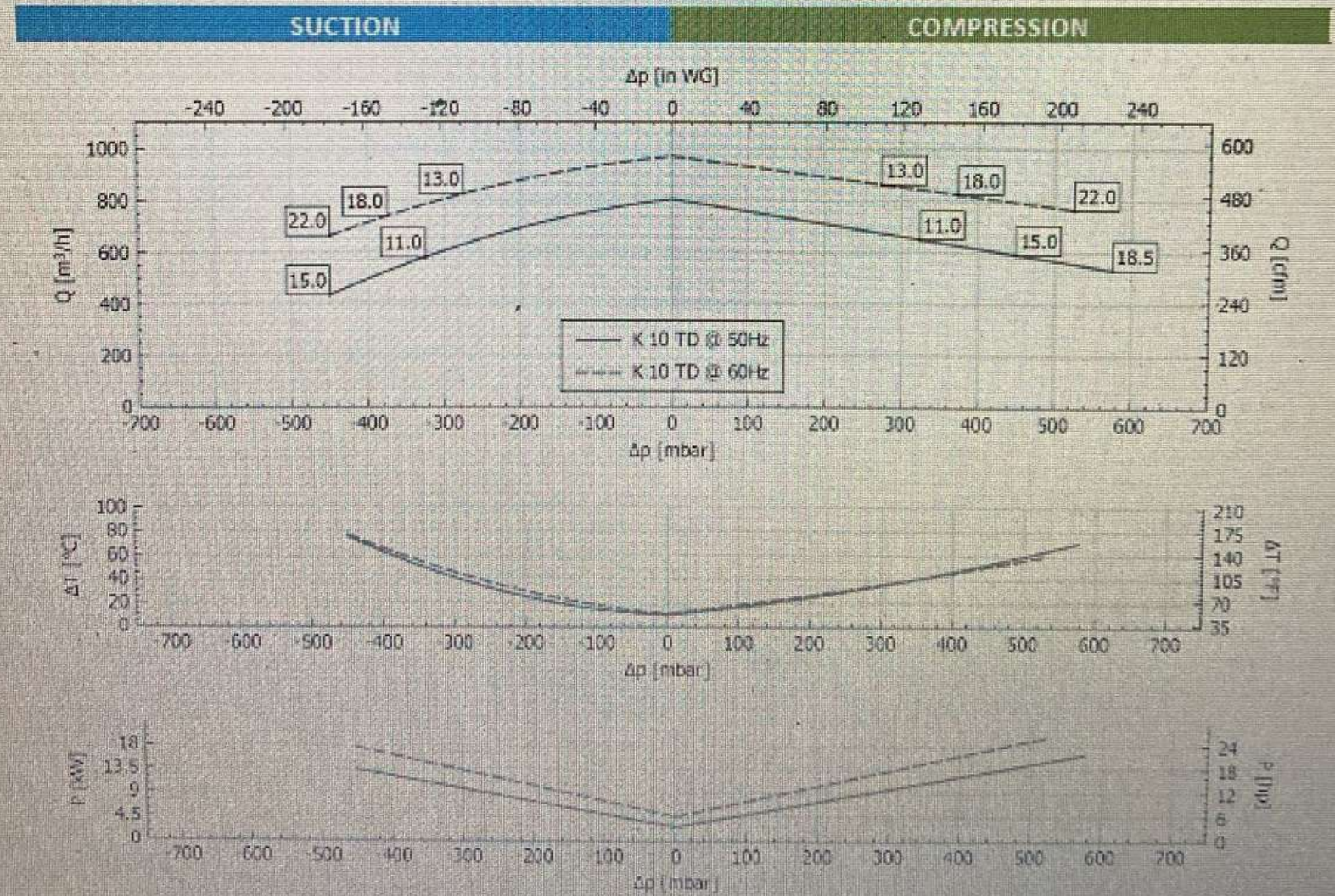
Supply voltage - IE2 only at 50 Hz - Tolerance on the fixed voltage value ± 10%, in range ± 5%.



Performance Table

P _e [kW]	Frequency [Hz]	Δp _{max} [mbar]		Q _{max} [m³/h]	Leq ² [dB(A)]	Weight [kg]	H ¹ [mm]	Current Consumption (Δ / Y) [A]		Cosφ [-]	Speed [rpm]
		Suction	Compression					IE2 ²	Range		
11	50	325	325	804	83.9	137	650	12.53 / 21.7	13.0-12.9 / 22.6-22.3	0.81	2940
13	60	275	275	970	85.9	137	650	12.2 / 21.2	13.8-12.4 / 23.9-21.4	0.84	3530
15	50	450	450	804	83.9	166	740	16.25 / 28.14	17.7-16.5 / 30.6-28.6	0.84	2950
18	60	375	375	970	85.9	166	740	15.6 / 27.0	18.2-15.5 / 31.6-26.8	0.87	3550
18.5	50	-	575	804	83.9	173.5	785	20.7 / 35.9	21.7-21.7 / 37.6-37.5	0.81	2950
22	60	450	525	970	85.9	173.5	785	20.4 / 35.4	23.3-20.7 / 40.3-35.9	0.85	3550

1. Noise level measured at a distance of 1 m with ducted intake and delivery, in accordance with Standard ISO 3744.
2. IE2 only at 50 Hz.
3. See figure "dimensions" at following page.



Tolerance on indicated values ± 10%.
 Data subject to change without notice.
 Curves referring to air at a temperature of 20 °C and atmospheric pressure of 1013 mbar (abs).