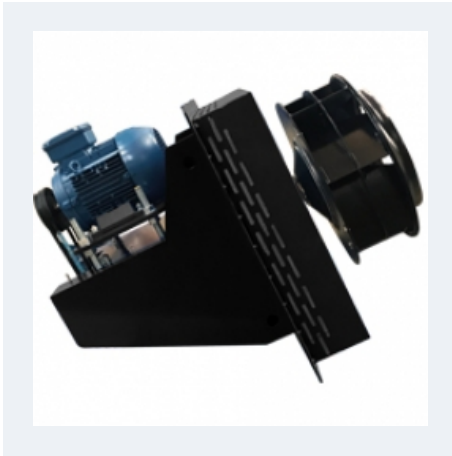


CLIBOS-TR

CENTRIFUGAL FAN TO REACT, DRIVEN TO TRANSMISSION FOR THE RECIRCULATION OF HOT GASES

CONSTRUCTIVE FEATURES:

- Centrifugal transmission fan of medium pressure type plug fan.
- Insulated box made of carbon laminated steel, protected against corrosion by powder coating of anticaloric painting. Finish C4.
- High density rock wool insulation, 90Kg / m³, thickness 150mm and 200mm..
- Self-cleaning turbine and reinforced impeller of backward (reaction) high performance blades manufactured in carbon laminated steel dynamically balanced to minimize noise and vibrations. Anti-heat paint of black color.
- Transmission Assembly with protections according to ISO 13857 standard.
- High efficiency belt without maintenance.
- Heavy duty bearings.
- IE3 motor for continuous operation (S1) Squirrel cage standardized asynchronous IEC motor with IP-55 protection and Class F electrical insulation. Standard voltages 230 / 400V 50 or 60Hz for three phase motors Up to 4kW and 400 / 690V 50 or 60Hz for higher powers.
- Motor with legs (B3) supported on a bench.
- Maximum continuous working temperature: ambient: 60°C.
- Suitable for transferring gases from -40°C to 350°C in continuous

APPLICATIONS:

Plug-type installation made for the recirculation of gases in:

- ? Ovens
- ? Boilers
- ? Paint booths
- ? Drying of tobacco, barley, ceramic, glass and wood leaves
- ? Insulated thermal cameras subjected to temperature control
- ? Burners and incinerators
- ? Melting furnaces

ON DEMAND:

- ? Fans for special voltages
- ? Motor 2 Speed
- ? Manufacturing in special steels for work Up to 550°C in continuous
- ? Other Insulation thicknesses
- ? Protection against corrosion C5
- ? Inox 304
- ? Inox 316
- ? Sparking proof construction
- ? Other sizes
- ? Other motors according to customer requirements

Technical data

Three-phase motor

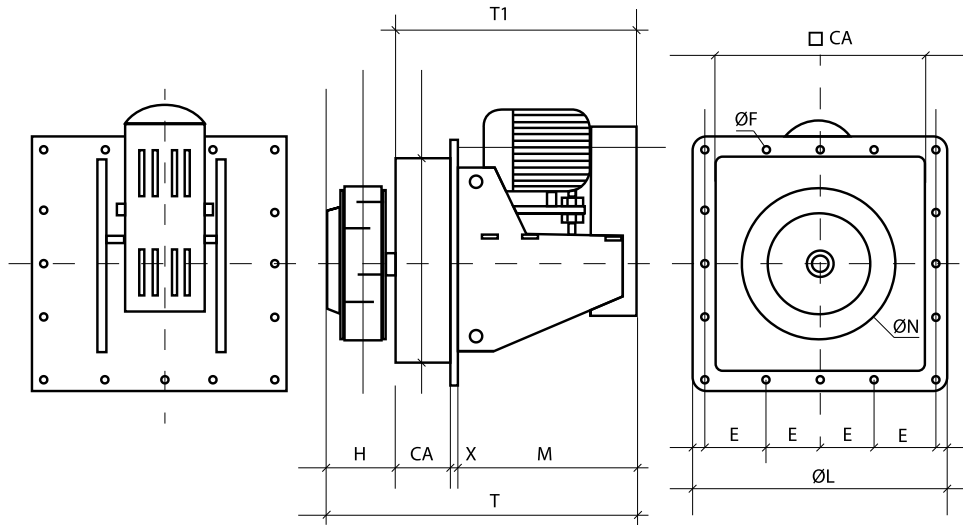
Code	Model	Angle	Min. Rated power kW	Max. Rated power kW	Max. Airflow m ³ /h	Sound db (A)**	Weight*	Connect. diagram
-	CLIBOS-TR 452 T4	2000 - 2700	2,20	5,50	13.079	72	-	1
-	CLIBOS-TR 502 T4	1800 - 2400	3	7,50	21.030	72	-	1
-	CLIBOS-TR 562 T4	1500 - 2100	3	9,20	19.414	72	-	1
-	CLIBOS-TR 632 T4	1400 - 1900	4	11	24.316	74	-	1
-	CLIBOS-TR 712 T4	1200 - 1700	5,50	15	33.565	76	-	1
-	CLIBOS-TR 802 T4	1100 - 1600	7,50	22	40.623	77	-	1

Notes:

* The motor is not included in fan weight

** Total sound pressure level at the point of maximum flow measured in dB(A) in the suction measured in free field at a distance of 6m from the source

Dimensions



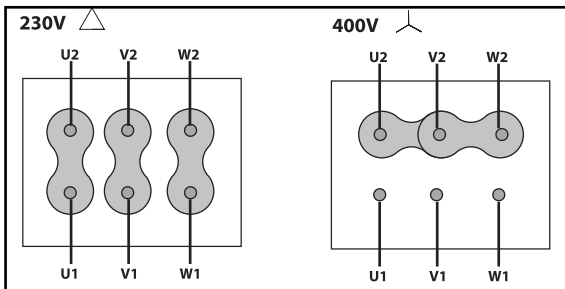
Model	CA	E	F	H	L	M	N	T	T1
CLIBOS-TR 452 T4	150	177	12.5	262	740	500	450	918	656
CLIBOS-TR 502 T4	150	177	12.5	282	740	585	500	1023	741
CLIBOS-TR 562 T4	150	192	12.5	309	800	670	560	1135	826
CLIBOS-TR 632 T4	150	192	12.5	341	800	670	630	1169	828
CLIBOS-TR 712 T4	150	233	14.5	371	970	785	710	1314	943
CLIBOS-TR 802 T4	150	233	14.5	412	970	900	800	1470	1058

Model	X	?CA
CLIBOS-TR 452 T4	6	660
CLIBOS-TR 502 T4	6	660
CLIBOS-TR 562 T4	6	720
CLIBOS-TR 632 T4	8	720
CLIBOS-TR 712 T4	8	870
CLIBOS-TR 802 T4	8	870

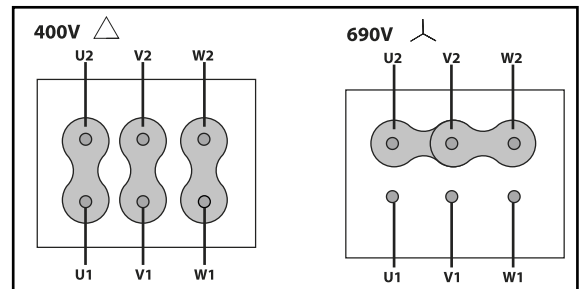
Wiring diagram

DIAGRAM N° 1

230/400V



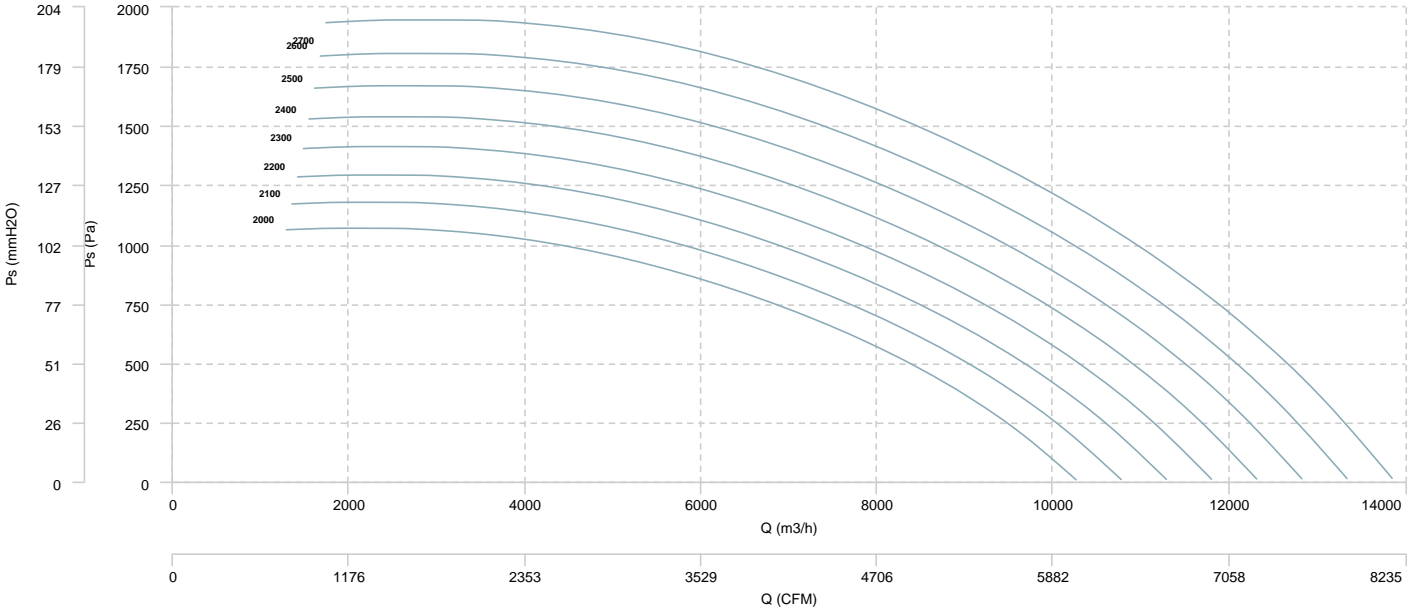
400/690V



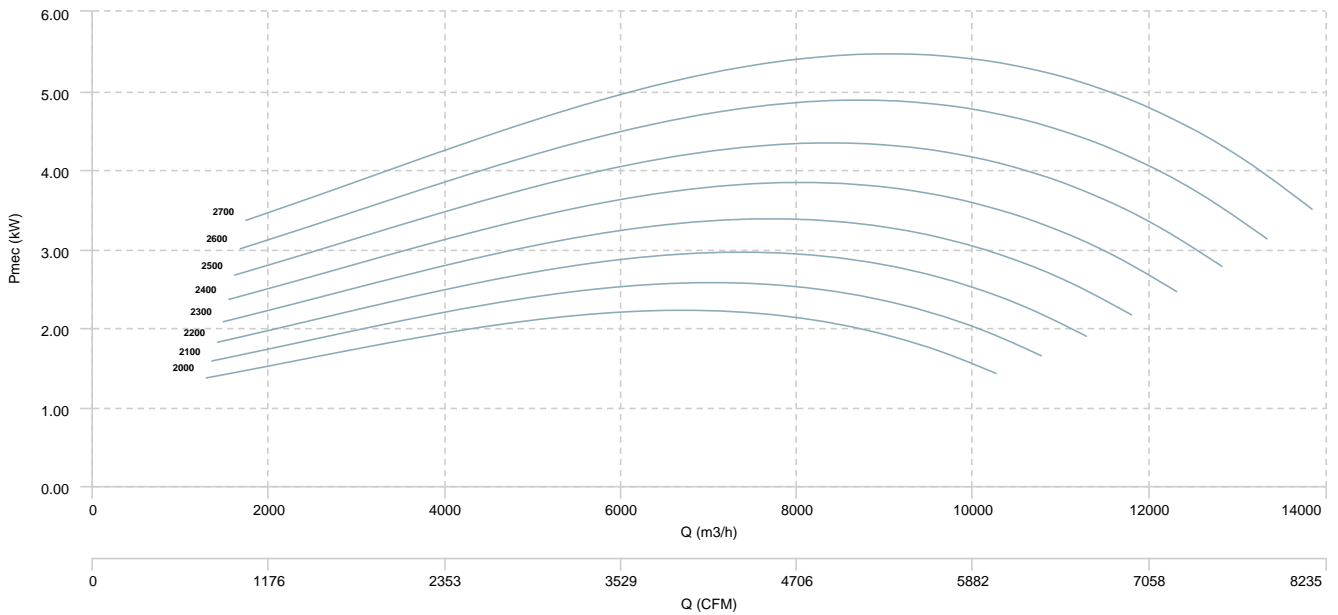
CHARACTERISCTIC CURVE

CLIBOS-TR 452 T4

AIR FLOW - PRESSURE

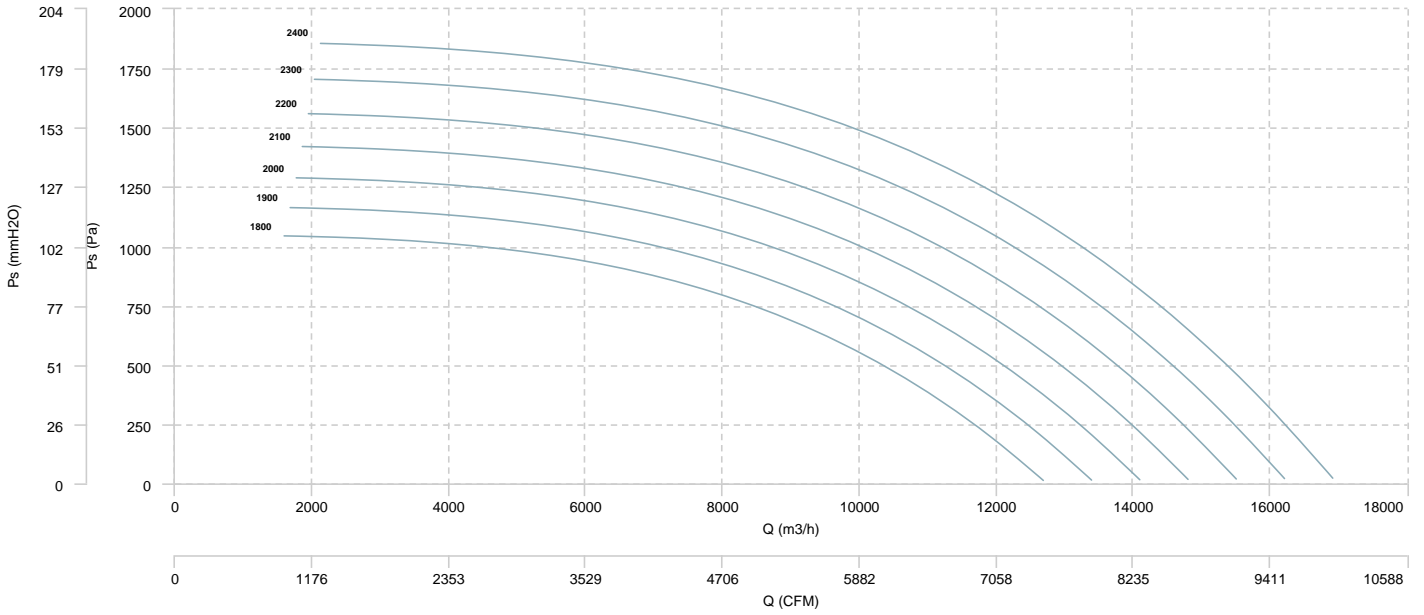


AIR FLOW - MECHANICAL POWER

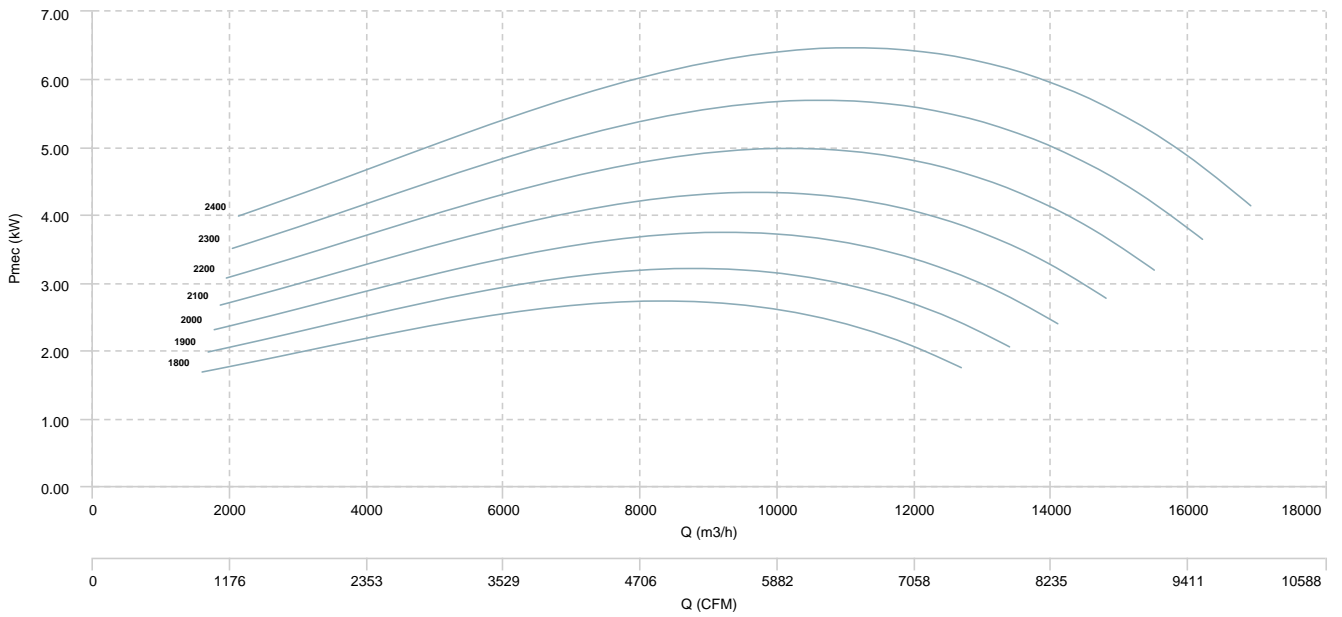


CLIBOS-TR 502 T4

AIR FLOW - PRESSURE

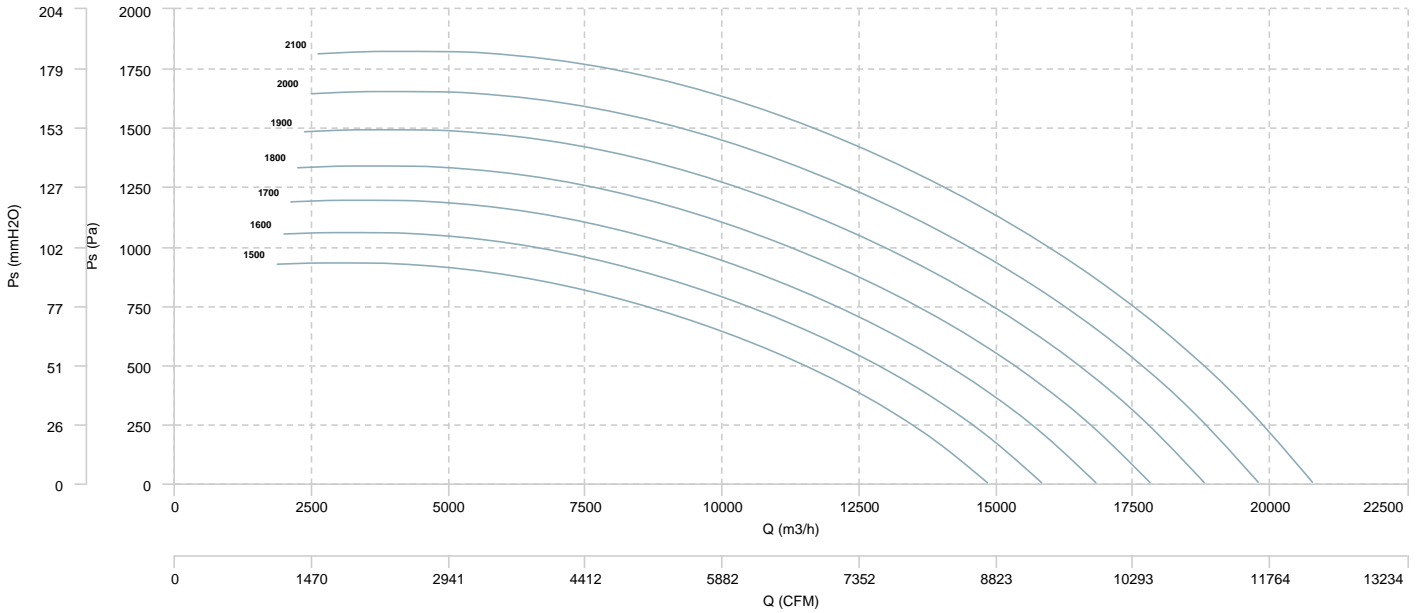


AIR FLOW - MECHANICAL POWER

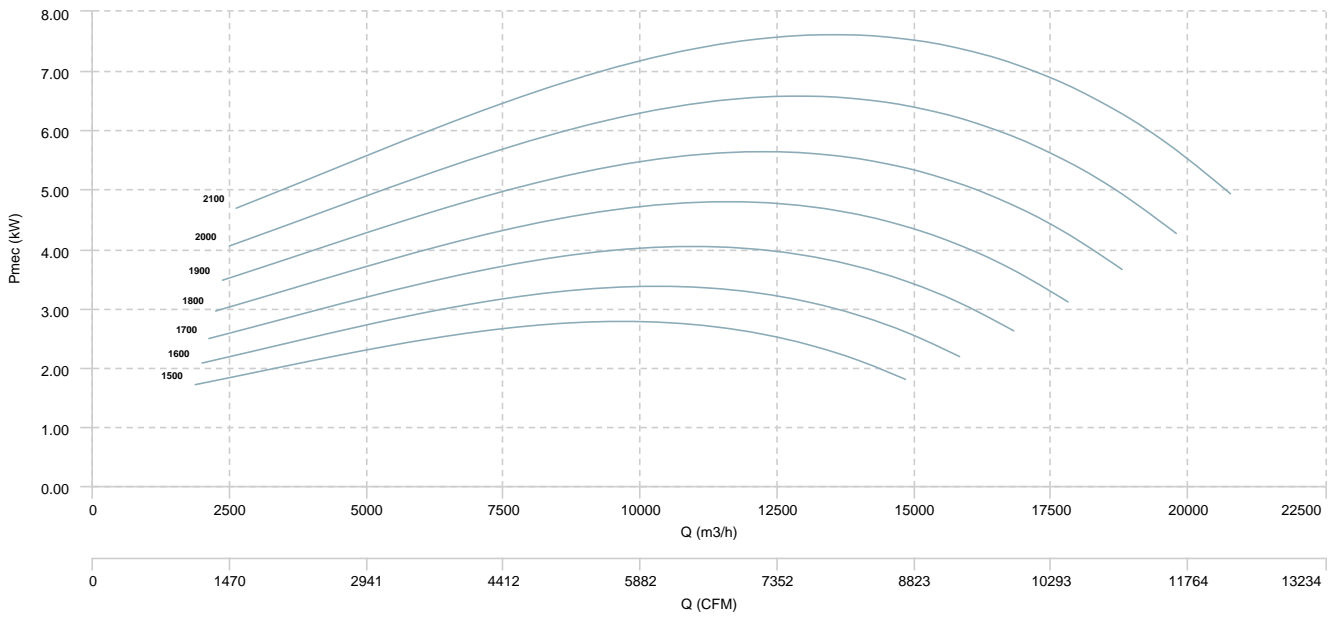


CLIBOS-TR 562 T4

AIR FLOW - PRESSURE

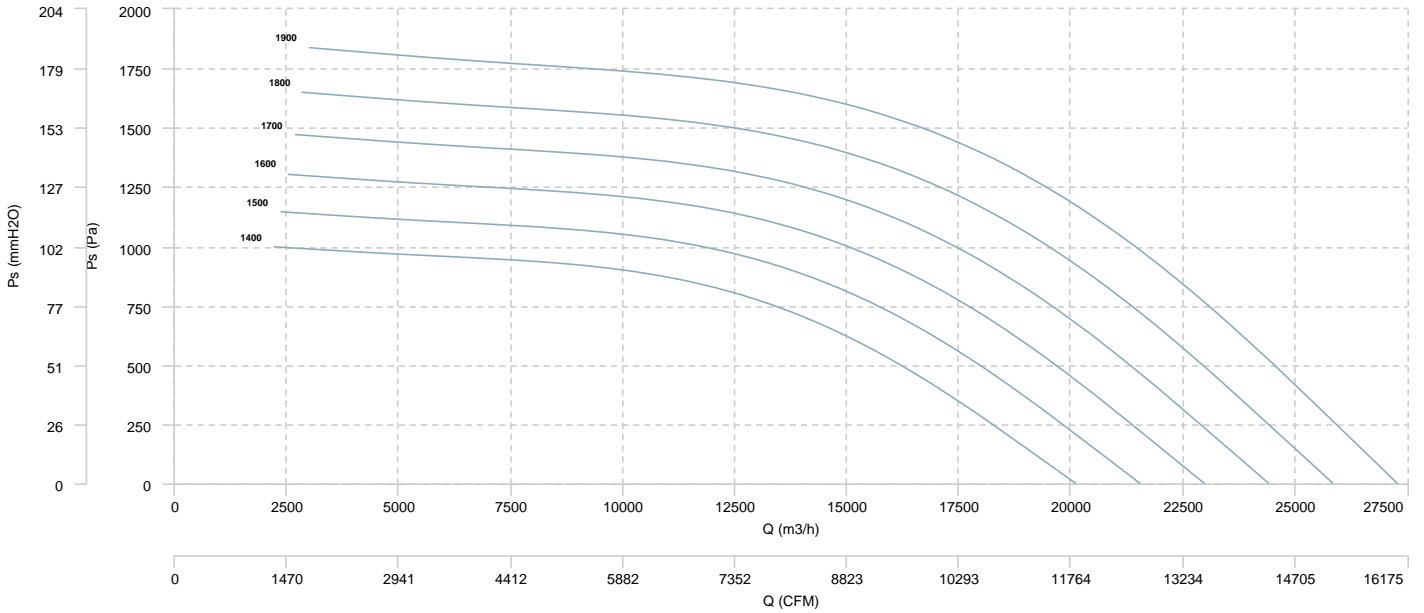


AIR FLOW - MECHANICAL POWER

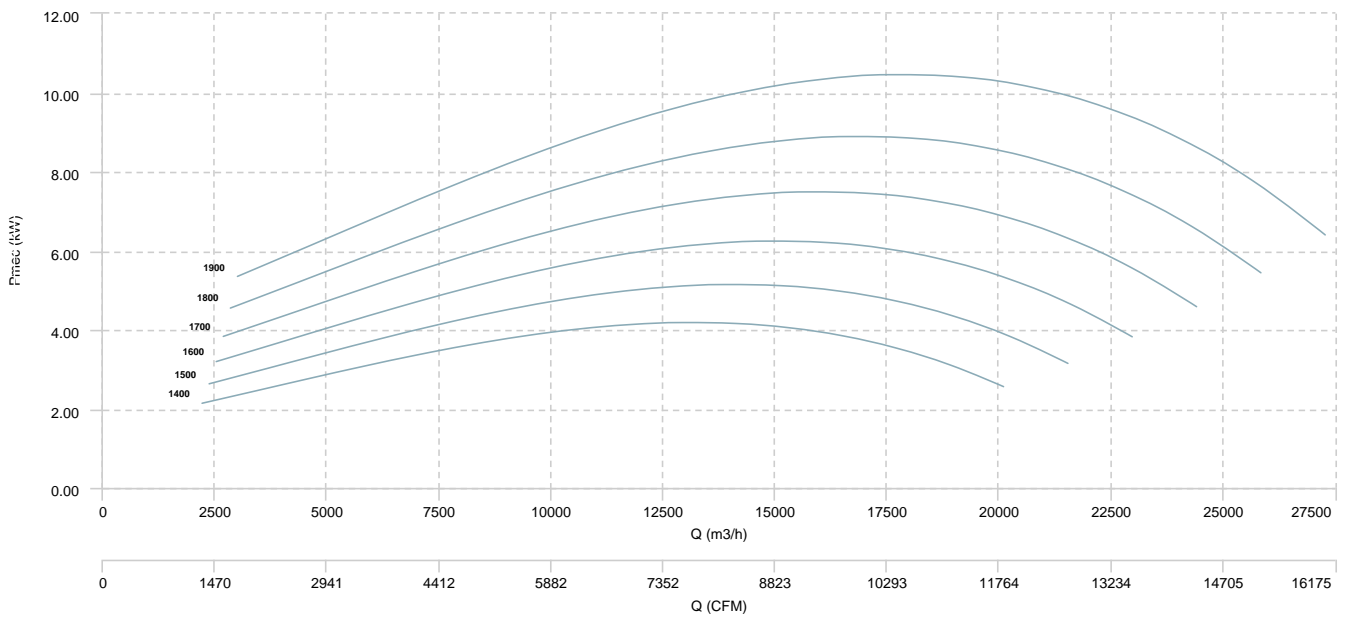


CLIBOS-TR 632 T4

AIR FLOW - PRESSURE

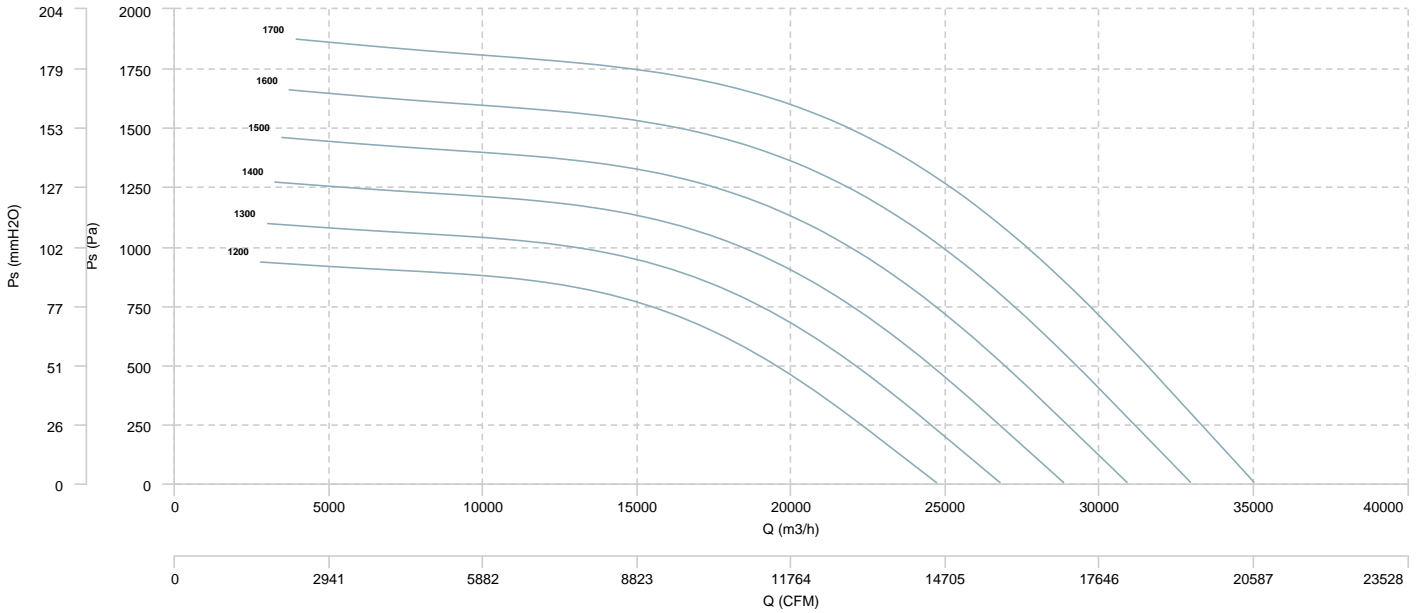


AIR FLOW - MECHANICAL POWER

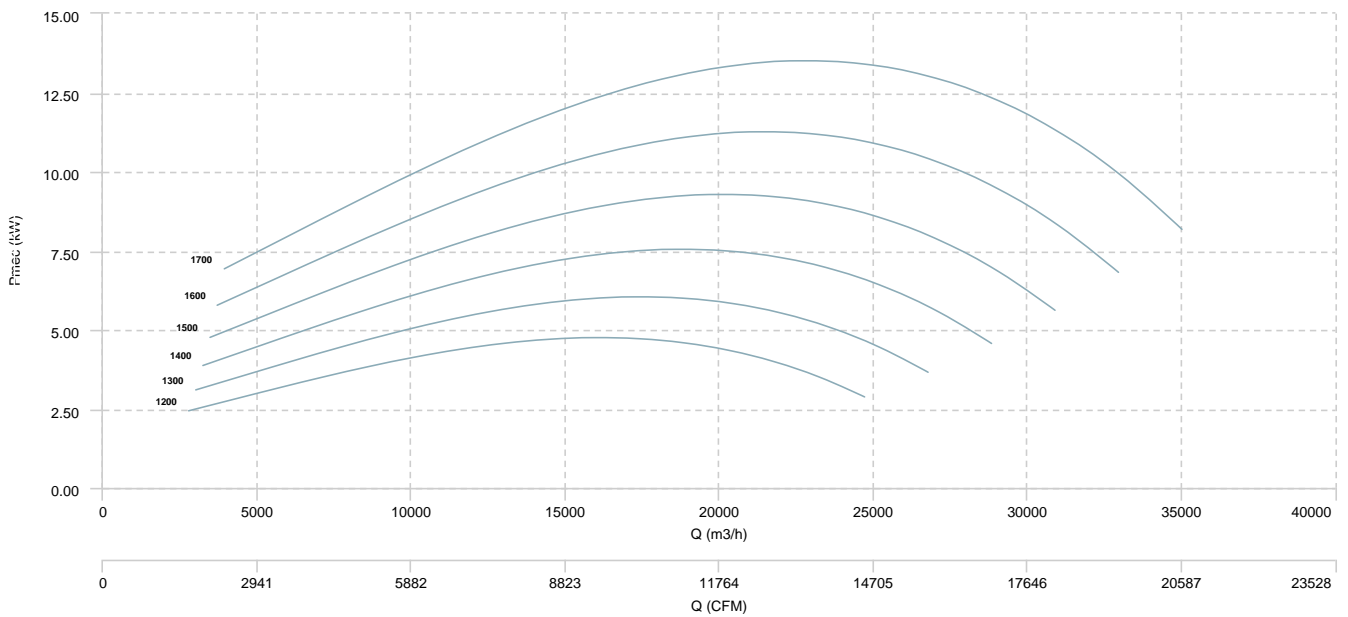


CLIBOS-TR 712 T4

AIR FLOW - PRESSURE

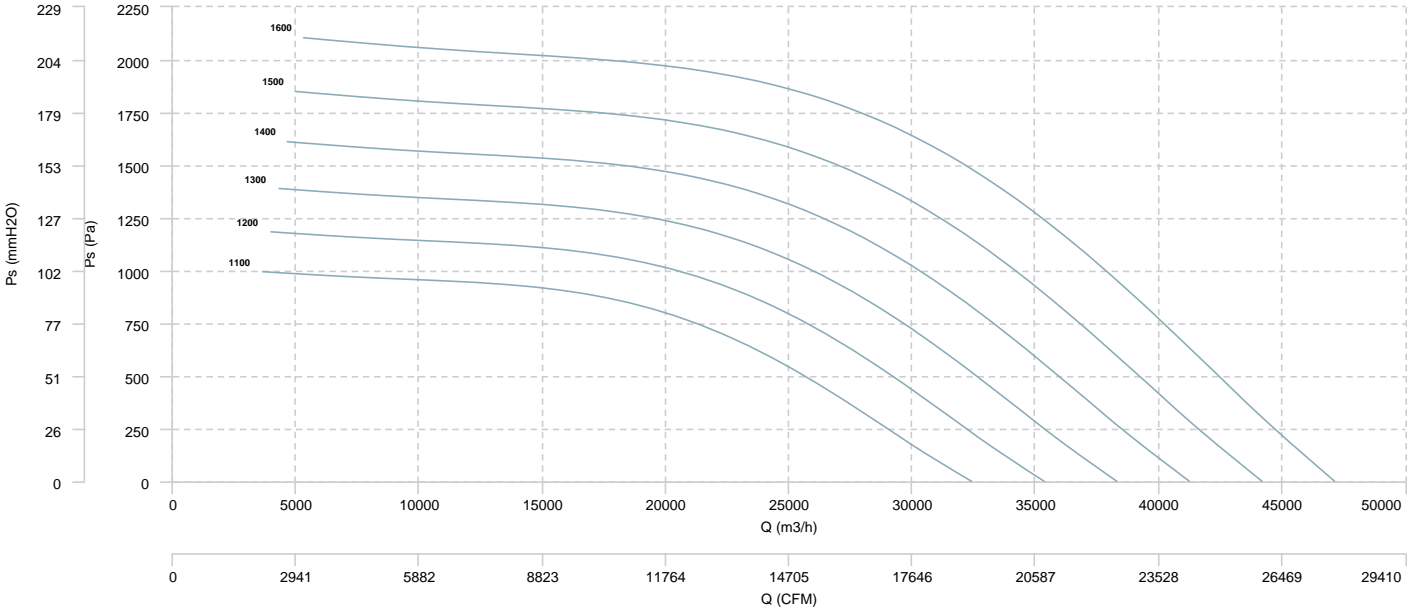


AIR FLOW - MECHANICAL POWER

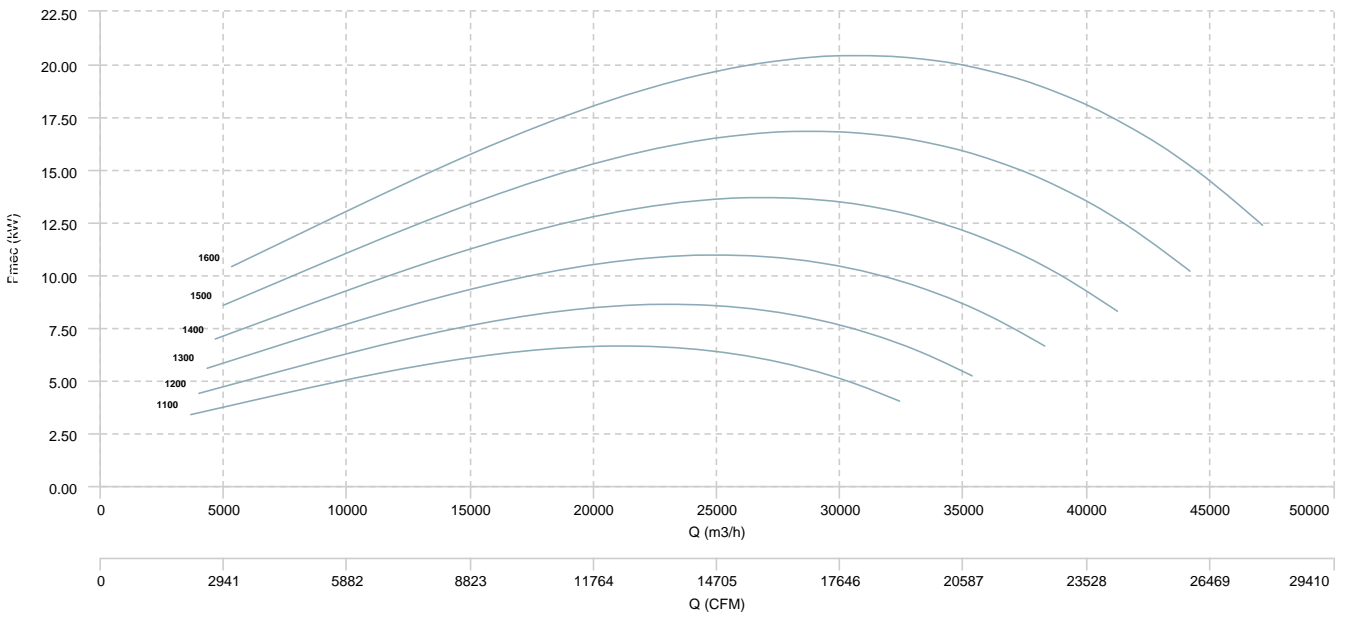


CLIBOS-TR 802 T4

AIR FLOW - PRESSURE



AIR FLOW - MECHANICAL POWER



Sound data

Sound power Lw dB (A)										
Model		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz	Total
CLIBOS-TR 452 T4 (2000 RPM)	Inlet	68	76	81	84	85	83	80	77	91
CLIBOS-TR 502 T4 (1800 RPM)	Inlet	69	77	81	85	86	84	81	78	91
CLIBOS-TR 562 T4 (1500 RPM)	Inlet	68	76	80	84	85	83	80	77	90
CLIBOS-TR 632 T4 (1400 RPM)	Inlet	70	78	83	86	87	85	82	79	92
CLIBOS-TR 712 T4 (1200 RPM)	Inlet	71	79	84	87	88	86	83	80	93
CLIBOS-TR 802 T4 (1100 RPM)	Inlet	72	80	84	88	89	87	84	81	94

Notes:

* To calculate the sound power level at different rpm from those indicated above, use the following formula:

$$Lw \text{ dB(A)}_{rpmA} = Lw \text{ dB(A)}_{rpmB} + 52.5 \cdot \log_{10} \frac{rpmA}{rpmB}$$