KUVIO-Q

Accessories

BDC

C-FLEX

C-ISOL

INT 3V

JE 45

REG

REGD

SHR

SIL-C MINI

STEMP

VISC

SOUND-PROOF MIXED FLOW EXTRACTOR FANS

The KUVIO-Q range products are fitted with traditional AC motors, 3 speeds.

• Enclosures made of fire resistant plastic resin, E2 class, according with ISO EN 11925-2: 2010, in areas close to motor and electrical components.
• Casing integrating a sound-absorbing coating, optimized to minimize sound emissions radiated into the environment and transmitted through exhaust and supply ducts.
• Nominal diameter from Ø100 to Ø315 mm.
• Induction motor, thermally protected, with shaft mounted on ball bearing supports, coupled with a centrifugal impeller.
• Timer versions (T) are equipped with an electronic timer for automatic operation at maximum speed, which can be set in the 3-20’ range at the installation (default setting 3’).
• High water resistance: IPX5 (if installed in a duct).
• 220-240V 50/60Hz.
• Adjustable speed through Casals speed devices.

APPLICATIONS
For use in small and medium-sized ventilation installations for air renewal in:
- Bathrooms and changing rooms.
- Commercial offices.
- Extraction in domestic kitchens (after the extraction hood).
- Schools.
- Waiting rooms.
- Commercial premises.
- Laundries.
- Shops.
- Bars.
- Restaurants.
- Laboratories.
- Laboratories. Etc...

-THIS PRODUCT IS ONLY AVAILABLE IN SPANISH MARKET-
SORRY FOR THE INCONVENIENCES

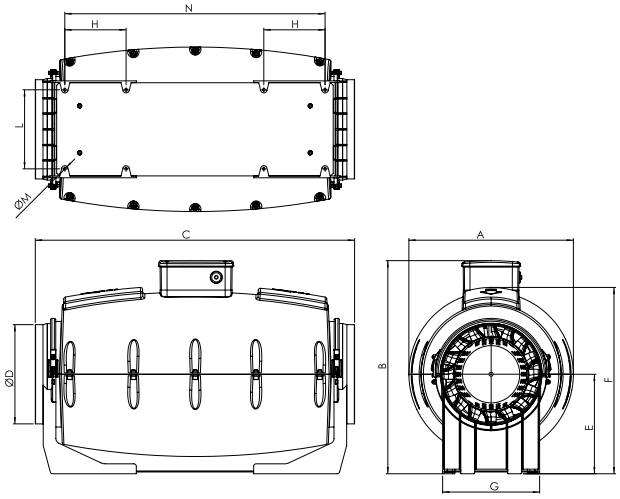
Technical data

3 speed motor

Code	Model	R.P.M.	Rated I. A 230V	Rated power kW	Max. Airflow m³/h	Sound db (A)**	Weight kg	Connect. diagram
KUVQ100	KUVIO-Q 100	1455 / 1880 / 2260	0,13/0, 11/0,09	0,03	260	26	4,70	1
KUVQ100T	KUVIO-Q 100 T	1455 / 1880 / 2260	0,13/0, 11/0,09	0,03	260	26	4,70	2
KUVQ125	KUVIO-Q 125	1125 / 1475 / 1880	0,13/0, 11/0,09	0,03	320	26	4,50	1
KUVQ125T	KUVIO-Q 125 T	1125 / 1475 / 1880	0,13/0, 11/0,09	0,03	320	26	4,50	2
KUVQ150	KUVIO-Q 150	1040 / 1430 / 2030	0,22/0, 17/0,14	0,05	510	32	6,60	3
KUVQ150T	KUVIO-Q 150 T	1040 / 1430 / 2030	0,22/0, 17/0,14	0,05	510	32	6,60	4
KUVQ160	KUVIO-Q 160	1040 / 1430 / 2030	0,22/0, 17/0,14	0,05	510	34	6,30	3
KUVQ160T	KUVIO-Q 160 T	1040 / 1430 / 2030	0,22/0, 17/0,14	0,05	510	34	6,30	4
KUVQ200	KUVIO-Q 200	1880 / 2380 / 2690	0,49/0, 42/0,34	0,11	1.160	39	10,50	3
KUVQ200T	KUVIO-Q 200 T	1880 / 2380 / 2690	0,49/0, 42/0,34	0,11	1.160	39	10,50	4
KUVQ250	KUVIO-Q 250	1640 / 2320 / 2750	0,65/0, 55/0,42	0,15	1.550	44	17	5
KUVQ315	KUVIO-Q 315	1930 / 2360 / 2705	1,55/1, 15/0,95	0,36	2.890	50	33	5

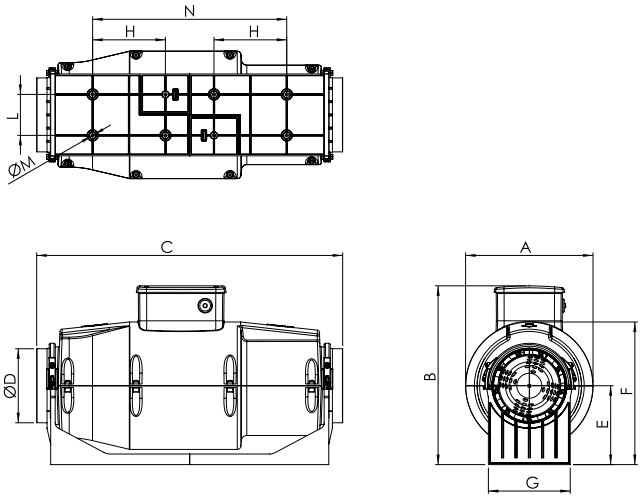
Notes:
** Total sound pressure level at the point of maximum flow measured in dB(A) in the suction measured in free field at a distance of 6m from the source

Dimensions



Model	A	B	C	E	F	G	H	L	N
KUVIO-Q 100	210	294.5	639	130	235	135	120	67.5	320
KUVIO-Q 100 T	210	294.5	639	130	235	135	120	67.5	320
KUVIO-Q 125	210	294.5	504.5	130	235	135	120	67.5	320
KUVIO-Q 125 T	210	294.5	504.5	130	235	135	120	67.5	320
KUVIO-Q 150	232	320.5	685	145	261.5	170	132	85	360
KUVIO-Q 150 T	232	320.5	685	145	261.5	170	132	85	360
KUVIO-Q 160	232	320.5	570	145	261.5	170	135	85	360
KUVIO-Q 160 T	232	320.5	570	145	261.5	170	135	85	360

Model	ØD	ØM
KUVIO-Q 100	97	5.5
KUVIO-Q 100 T	97	5.5
KUVIO-Q 125	122	5.5
KUVIO-Q 125 T	122	5.5
KUVIO-Q 150	147	5.5
KUVIO-Q 150 T	147	5.5
KUVIO-Q 160	156.5	5.5
KUVIO-Q 160 T	156.5	5.5

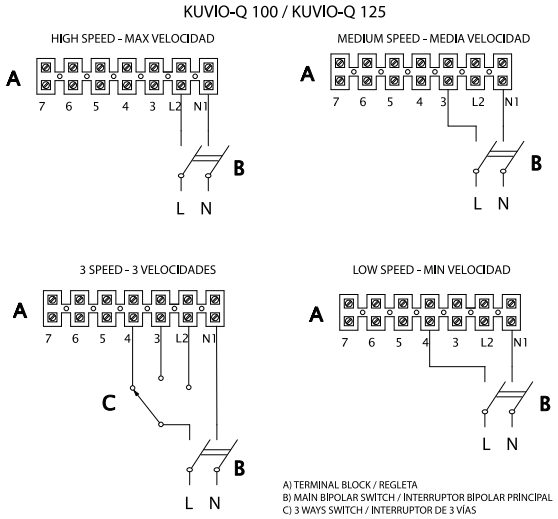


Model	A	B	C	E	F	G	H	L	N
KUVIO-Q 200	322.5	417.5	625.5	195	363.5	190	120	155	510
KUVIO-Q 200 T	322.5	417.5	625.5	195	363.5	190	120	155	510
KUVIO-Q 250	318	412	751.5	189.5	363.5	200	70	170	604.5
KUVIO-Q 315	415.5	496.5	940	244	441	309	110	255	780

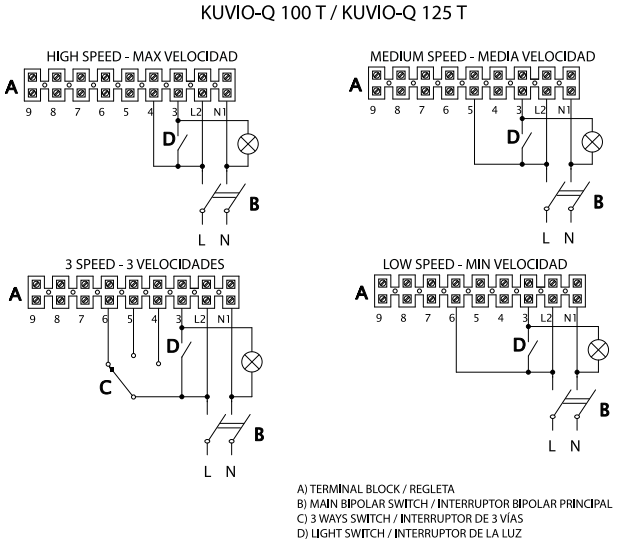
Model	ØD	ØM
KUVIO-Q 200	194.5	5.5
KUVIO-Q 200 T	194.5	5.5
KUVIO-Q 250	243	6.5
KUVIO-Q 315	307	8.5

Wiring diagram

Wiring diagram Nº 1

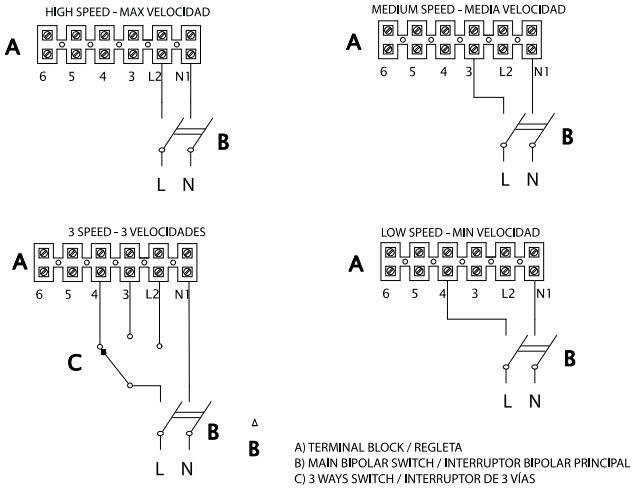


Wiring diagram Nº 2



Wiring diagram Nº 3

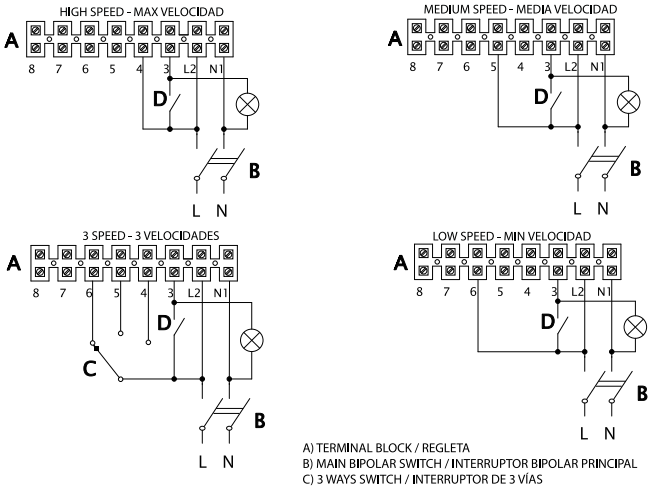
KUVIO-Q 150 / KUVIO-Q 160 / KUVIO-Q 200



A) TERMINAL BLOCK / REGLETA
B) MAIN BIPOLAR SWITCH / INTERRUPTOR BIPOLAR PRINCIPAL
C) 3 WAYS SWITCH / INTERRUPTOR DE 3 VÍAS

Wiring diagram Nº 4

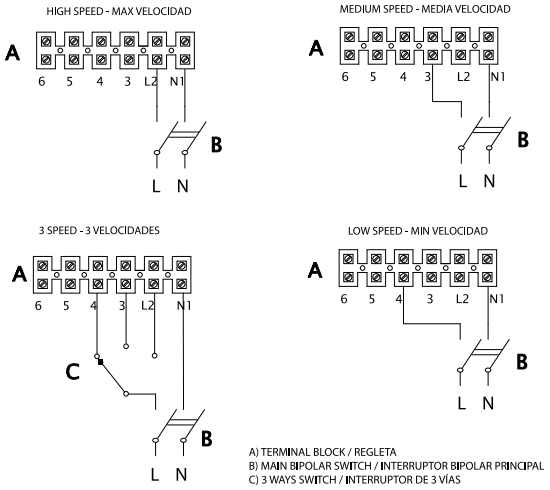
KUVIO-Q 150 T / KUVIO-Q 160 T / KUVIO-Q 200 T



A) TERMINAL BLOCK / REGLETA
B) MAIN BIPOLAR SWITCH / INTERRUPTOR BIPOLAR PRINCIPAL
C) 3 WAYS SWITCH / INTERRUPTOR DE 3 VÍAS
D) LIGHT SWITCH / INTERRUPTOR DE LA LUZ

Wiring diagram Nº 5

KUVIO-Q 250 / KUVIO-Q 315

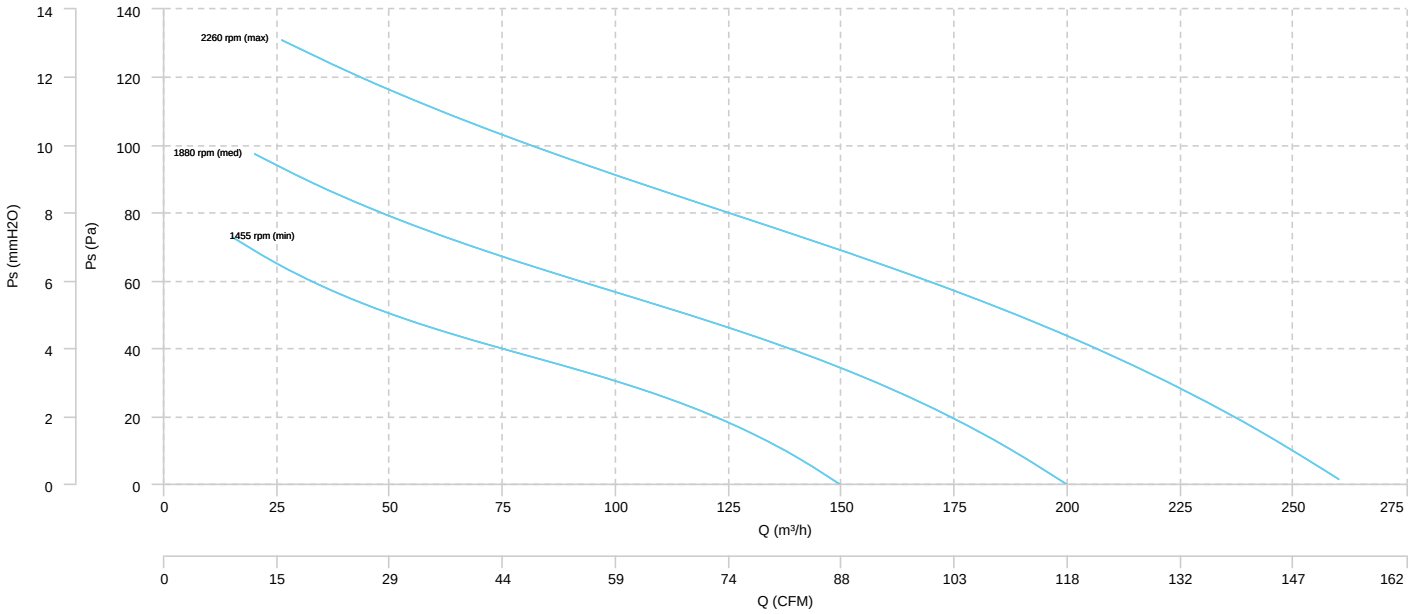


CHARACTERISCTIC CURVE

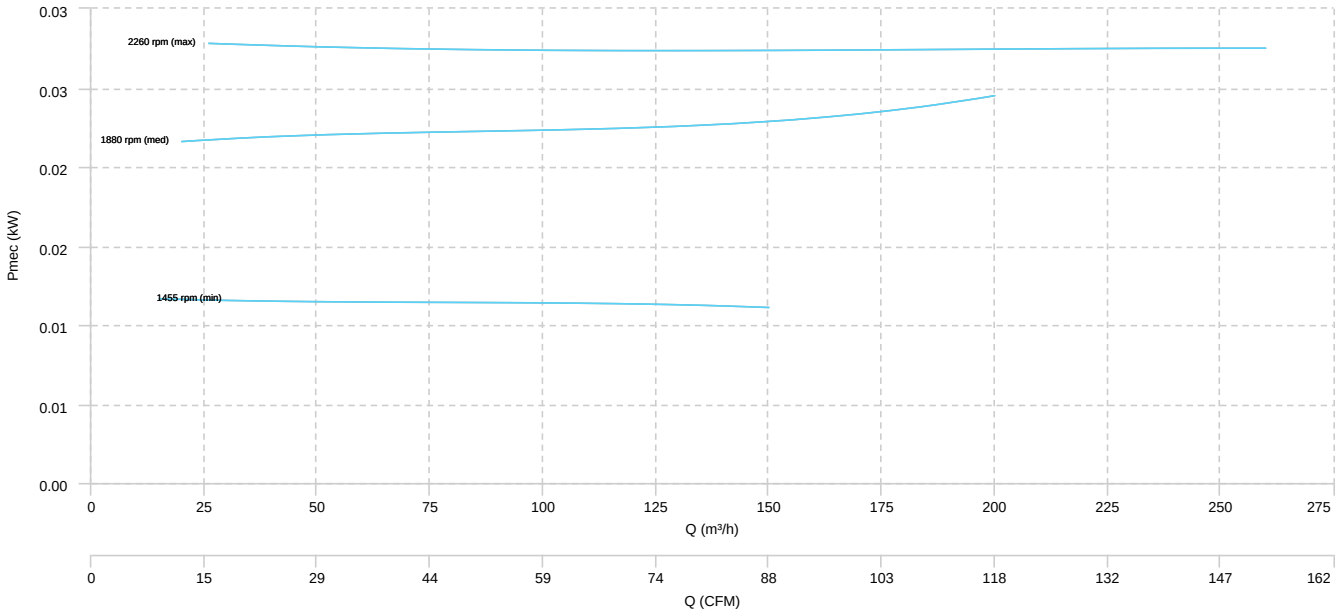
KUVIO-Q 100

KUVIO-Q 100 T

AIR FLOW - PRESSURE



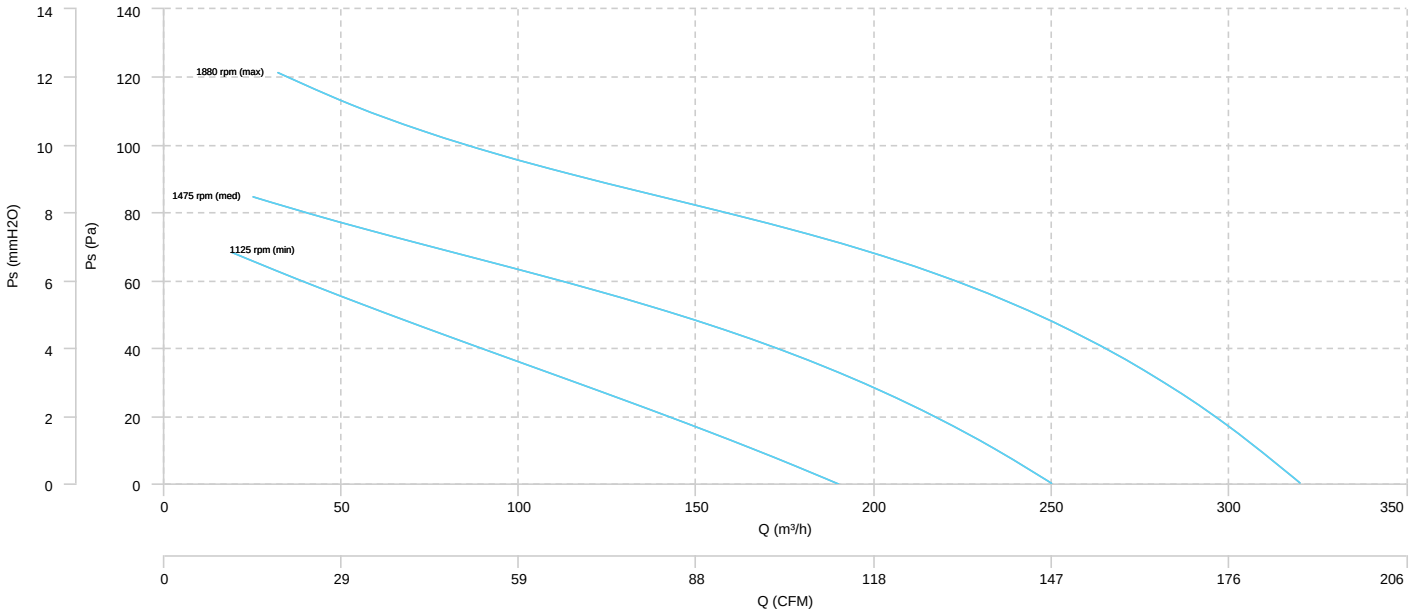
AIR FLOW - MECHANICAL POWER



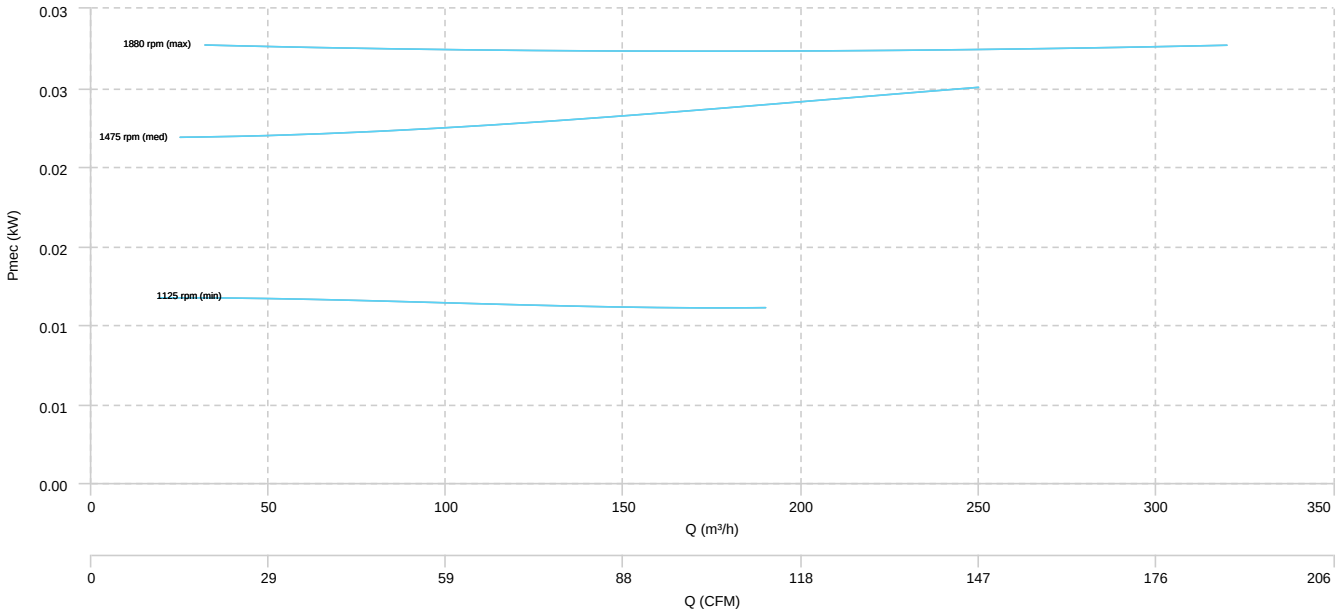
KUVIO-Q 125

KUVIO-Q 125 T

AIR FLOW - PRESSURE

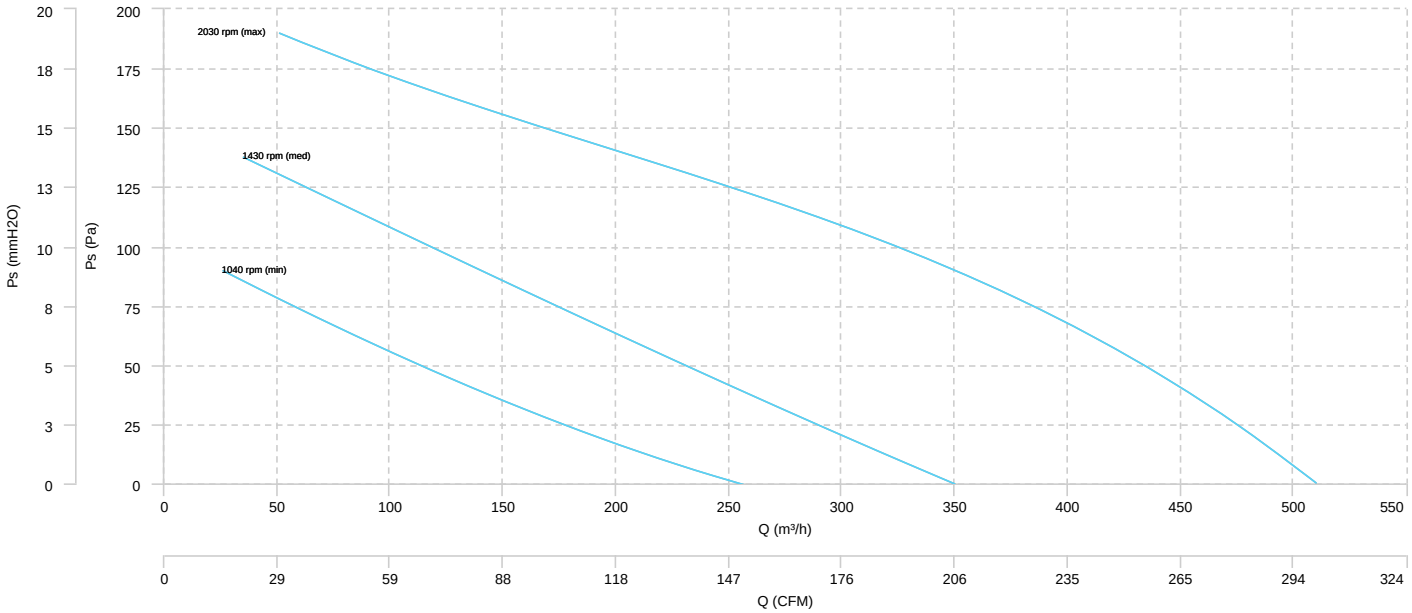


AIR FLOW - MECHANICAL POWER

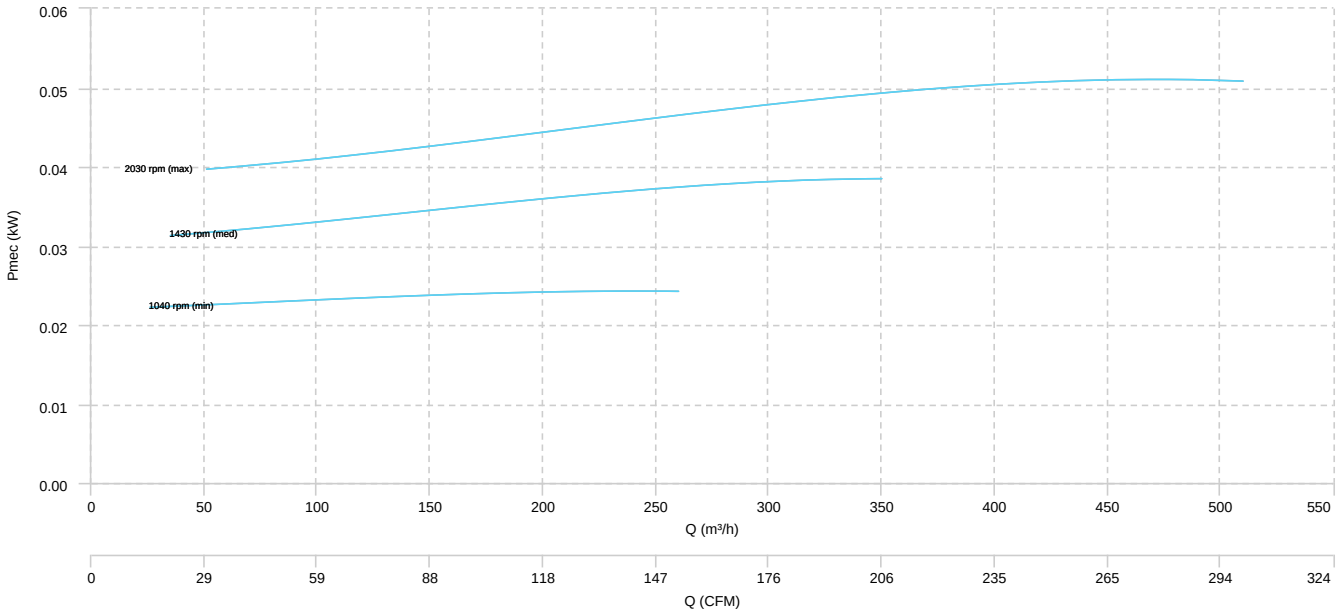


KUVIO-Q 150 | KUVIO-Q 150 T

AIR FLOW - PRESSURE



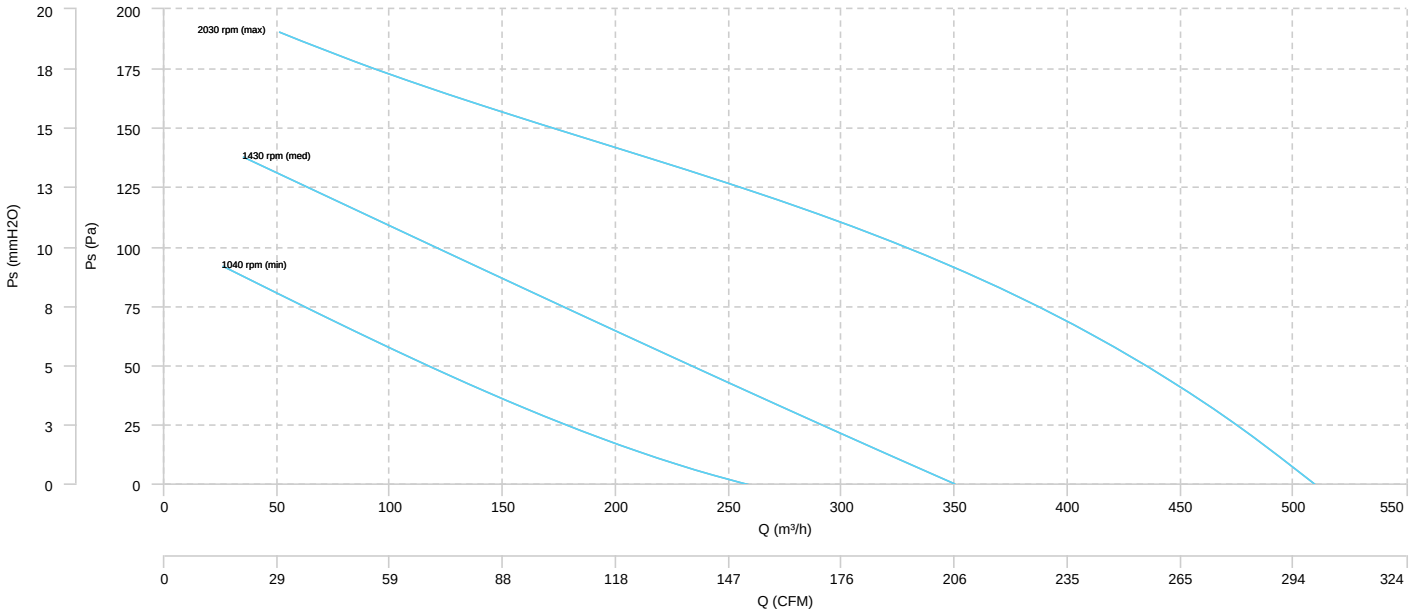
AIR FLOW - MECHANICAL POWER



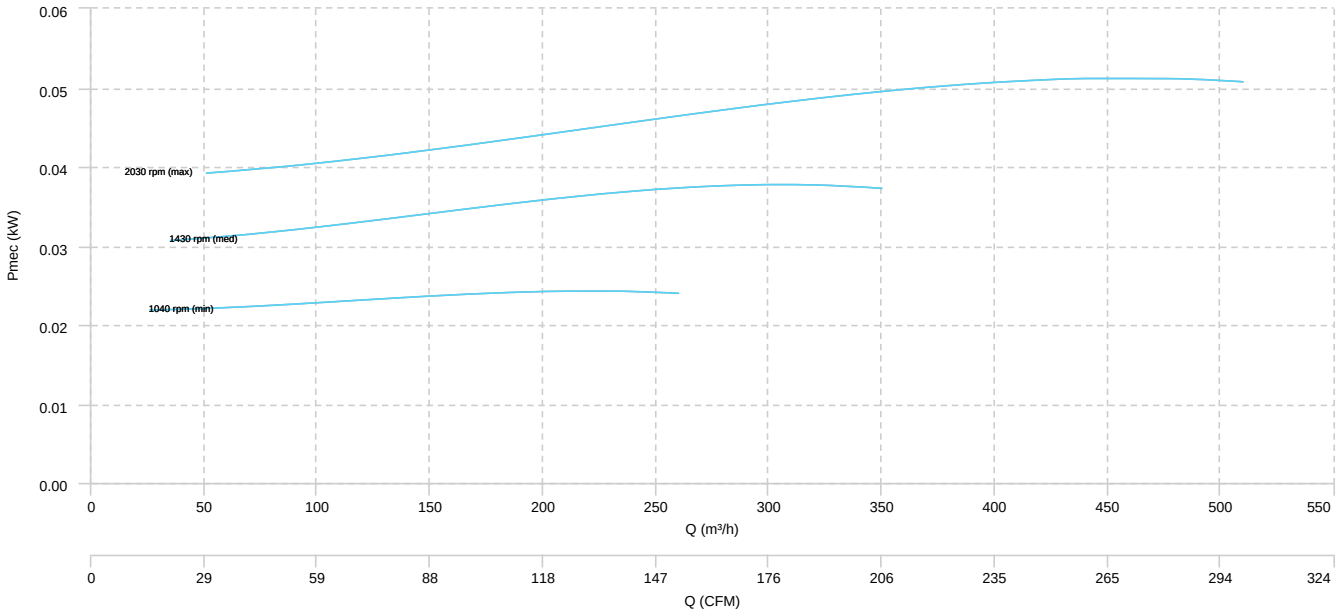
KUVIO-Q 160

KUVIO-Q 160 T

AIR FLOW - PRESSURE

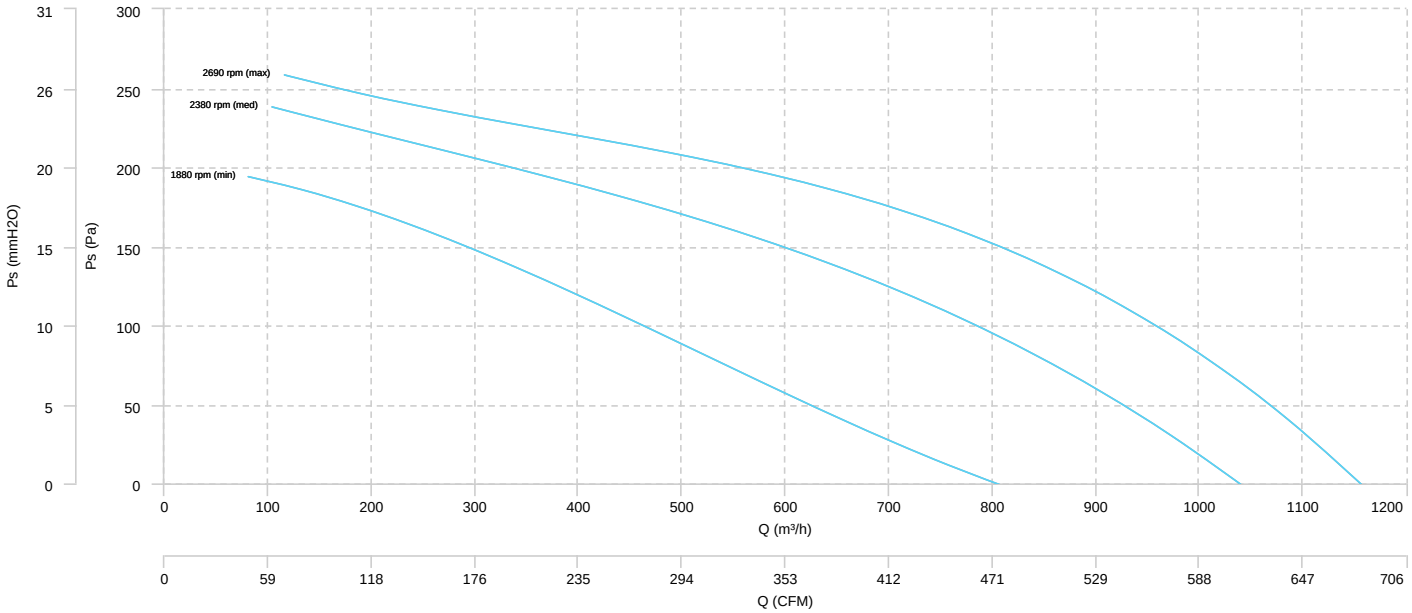


AIR FLOW - MECHANICAL POWER

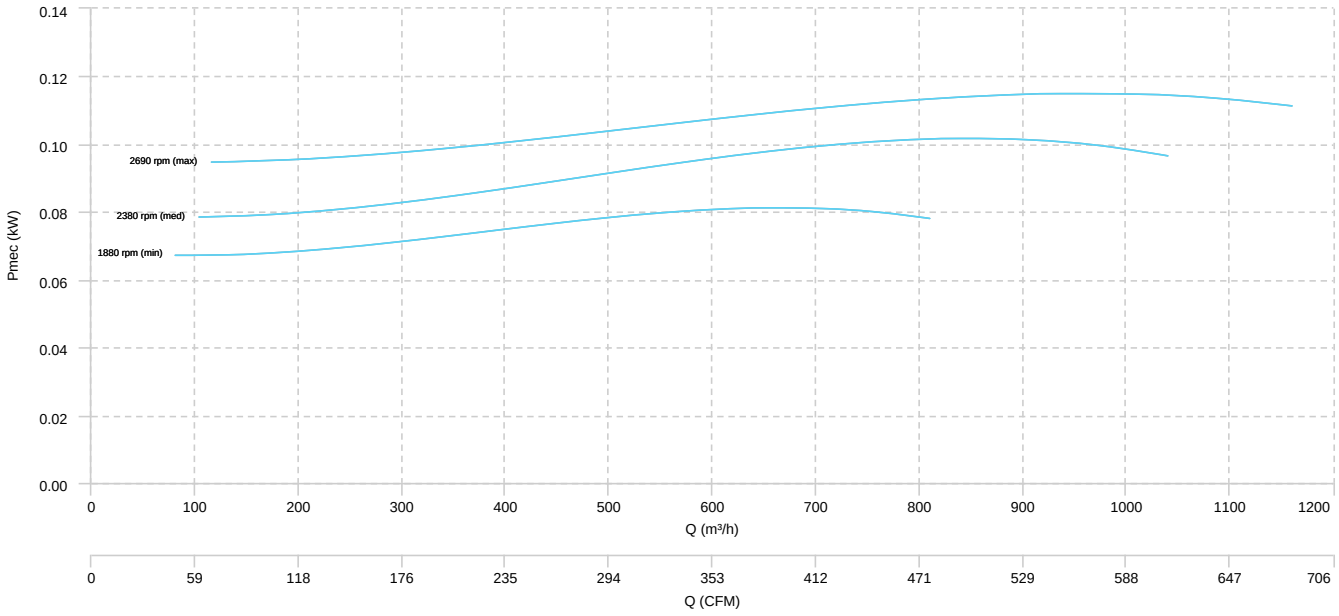


KUVIO-Q 200 | KUVIO-Q 200 T

AIR FLOW - PRESSURE

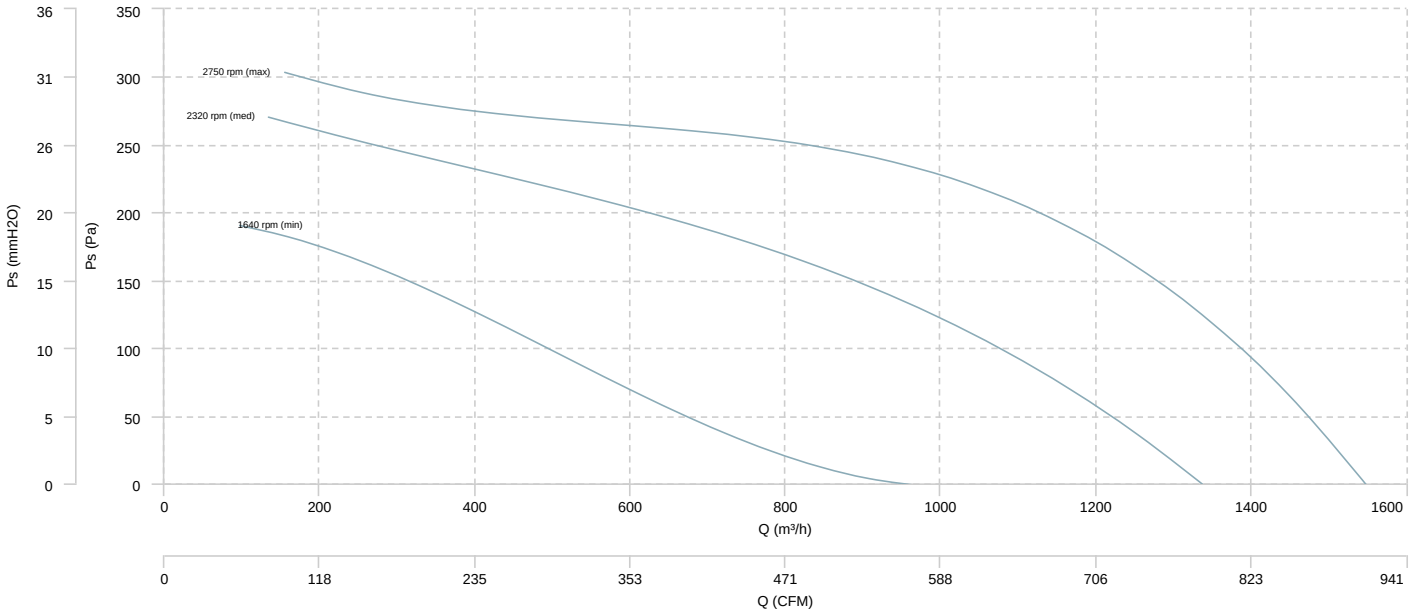


AIR FLOW - MECHANICAL POWER

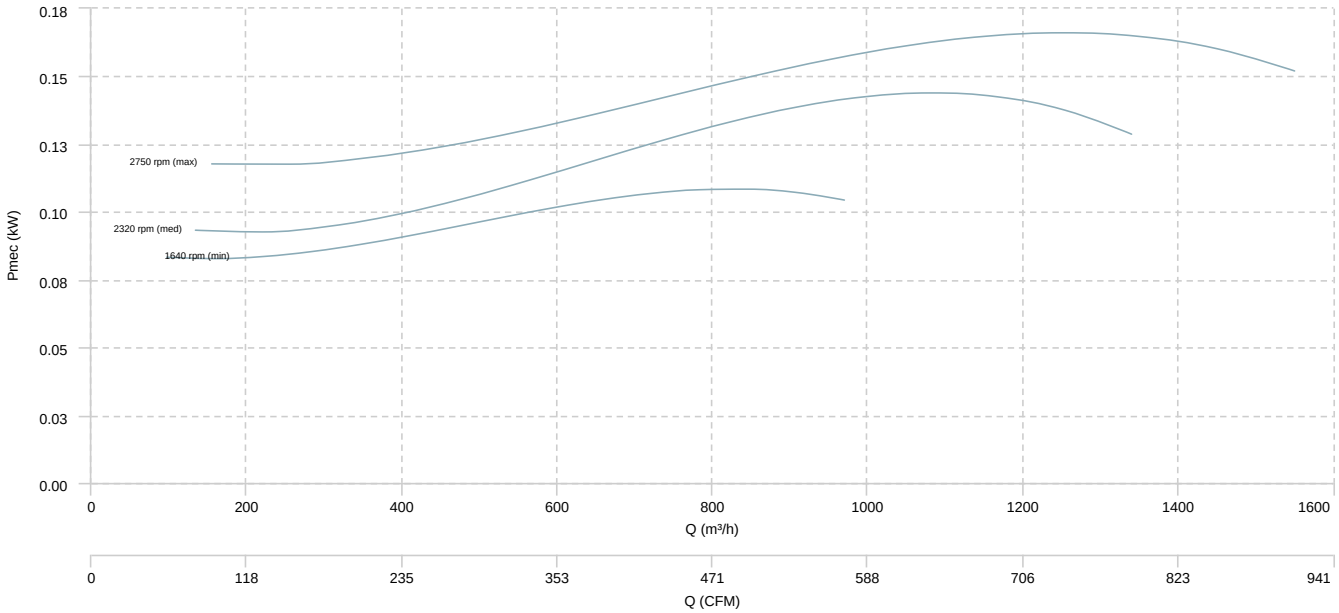


KUVIO-Q 250

AIR FLOW - PRESSURE

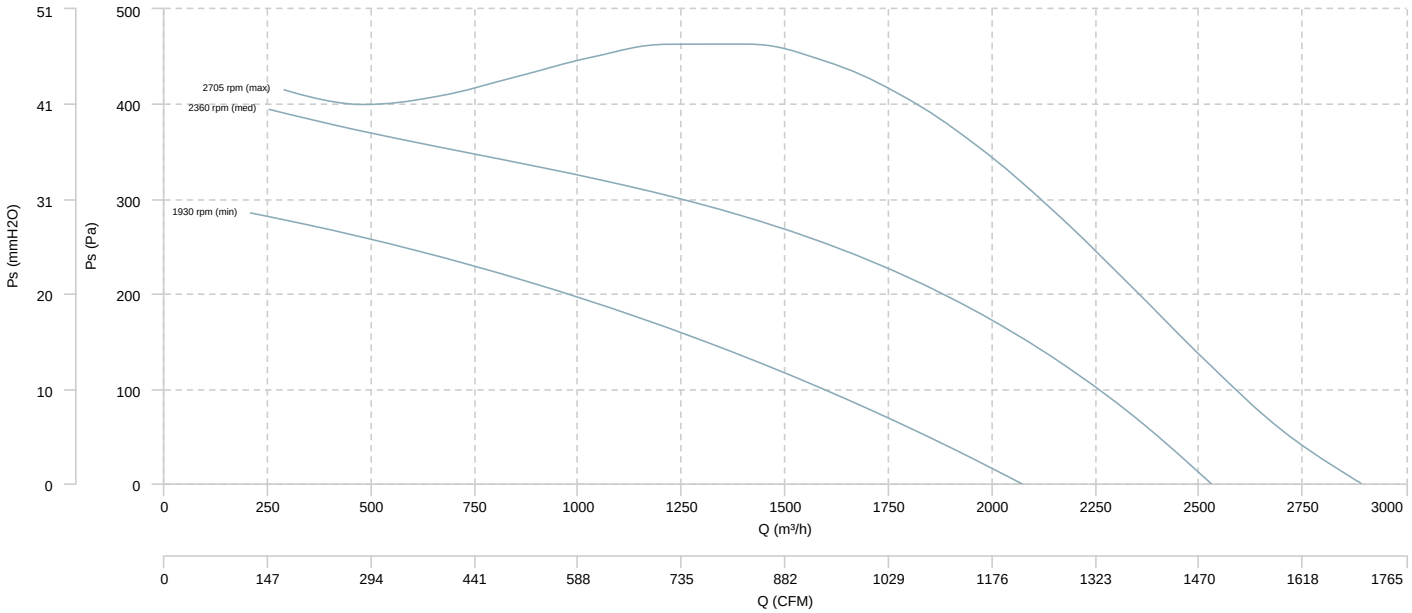


AIR FLOW - MECHANICAL POWER

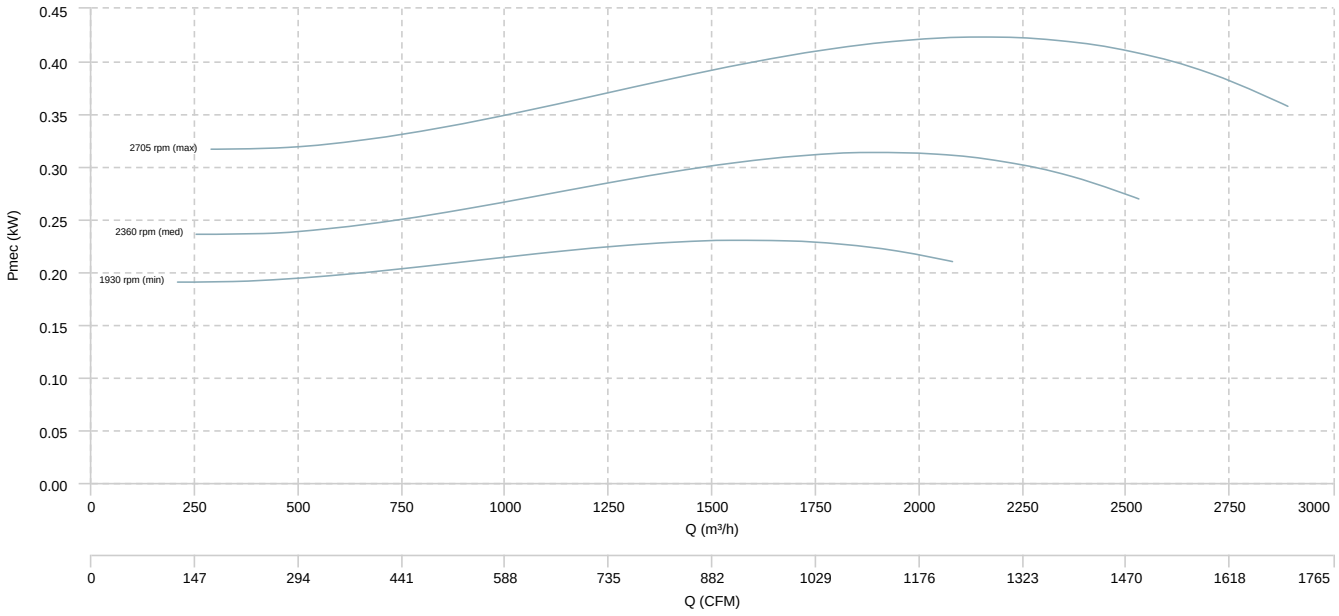


KUVIO-Q 315

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**
KUVIO-Q 100 (1455 rpm (min))	Inlet	-	35	35	33	28	28	19	21	40
	Outlet	-	35	34	32	30	27	20	20	40
	Radiated	-	26	32	25	31	25	18	20	36
KUVIO-Q 100 T (1455 rpm (min))	Inlet	-	35	35	33	28	28	19	21	40
	Outlet	-	35	34	32	30	27	20	20	40
	Radiated	-	26	32	25	31	25	18	20	36
KUVIO-Q 125 (1125 rpm (min))	Inlet	-	34	31	32	28	29	26	26	39
	Outlet	-	33	32	31	29	26	21	21	38
	Radiated	-	27	25	22	27	21	18	21	32
KUVIO-Q 125 T (1125 rpm (min))	Inlet	-	34	31	32	28	29	26	26	39
	Outlet	-	33	32	31	29	26	21	21	38
	Radiated	-	27	25	22	27	21	18	21	32
KUVIO-Q 150 (1040 rpm (min))	Inlet	-	34	33	32	32	29	25	21	39
	Outlet	-	34	32	33	34	30	24	21	40
	Radiated	-	29	24	25	30	24	21	23	35
KUVIO-Q 150 T (1040 rpm (min))	Inlet	-	34	33	32	32	29	25	21	39
	Outlet	-	34	32	33	34	30	24	21	40
	Radiated	-	29	24	25	30	24	21	23	35
KUVIO-Q 160 (1040 rpm (min))	Inlet	-	36	34	34	33	32	26	20	41
	Outlet	-	36	33	35	36	33	27	20	42
	Radiated	-	27	23	25	30	25	18	19	34
KUVIO-Q 160 T (1040 rpm (min))	Inlet	-	36	34	34	33	32	26	20	41
	Outlet	-	36	33	35	36	33	27	20	42
	Radiated	-	27	23	25	30	25	18	19	34
KUVIO-Q 200 (1880 rpm (min))	Inlet	-	43	48	49	51	49	50	40	57
	Outlet	-	44	48	47	49	49	48	39	56
	Radiated	-	33	38	40	43	42	33	22	48
KUVIO-Q 200 T (1880 rpm (min))	Inlet	-	43	48	49	51	49	50	40	57
	Outlet	-	44	48	47	49	49	48	39	56
	Radiated	-	33	38	40	43	42	33	22	48
KUVIO-Q 250 (1640 rpm (min))	Inlet	-	45	51	52	55	55	53	42	61
	Outlet	-	45	50	51	55	56	53	42	61
	Radiated	-	36	40	40	48	49	36	23	52
KUVIO-Q 315 (1930 rpm (min))	Inlet	-	52	56	63	64	60	62	52	69
	Outlet	-	54	59	61	63	59	58	50	68
	Radiated	-	56	54	57	57	50	43	34	62

Notes:

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

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