

Box Fan Series



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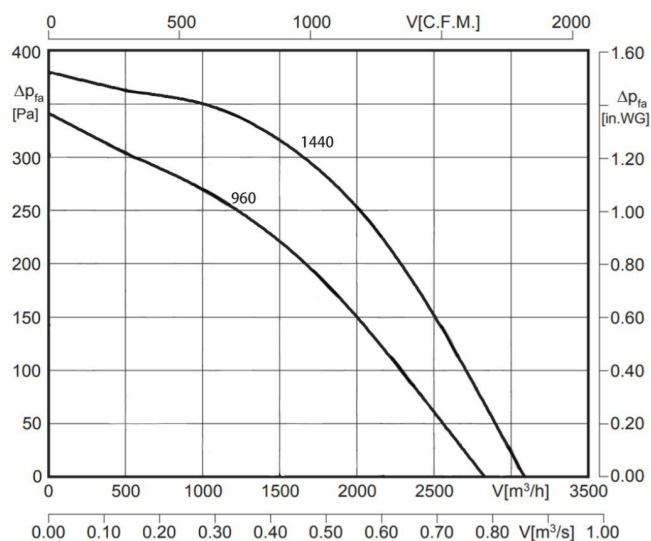
HP: 9069 2152

VAB 355



- Installation in any position possible
- Speed is variable using variable speed drive
- Backward curved impeller
- Casing with PU insulation of 1 or 2 inches
- Outlet possible in all directions
- Very low noise

Technical data:



Type	355D4	355D6	355E4	355E6
Voltage/Frequency [V/50Hz]	400	400	230	230
Phase	3	3	1	1
Power [W]	550	550	550	550
Current [A]	1.44	1.7	4.25	6.8
Max. air flow [m³/h]	3100	2800	3100	2800
R.P.M [min ⁻¹]	1440	960	1440	960
Max. temp. of transported air [°C]	60	60	60	60
Sound Pressure level @ 3m [db(A)]	48	39	48	39
Weight [kg]	39	39	39	39
Insulation class, motor	F	F	F	F
Enclosure class, motor	IP 55	IP 55	IP 55	IP 55

relative total sound level: Casing LWA/ Inlet side LWA / Outlet side LWA at V=0,5 x Vmax

Sound levels:

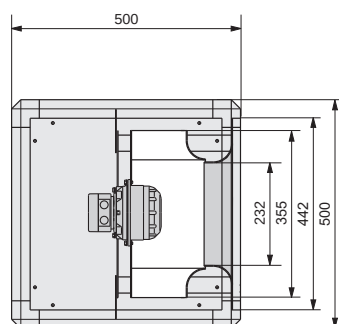
at radial air flow:

LWA _{rel} A-weighted at V=0,5*Vmax	fM [Hz]						
	125	250	500	1K	2K	4K	8K
LWA [dB(A)] Casing	-4	-4	-9	-13	-16	-21	-29
LWA [dB(A)] Inlet side	-15	-6	-4	-8	-10	-13	-20
LWA [dB(A)] Outlet side	-12	-9	-6	-5	-7	-15	-19

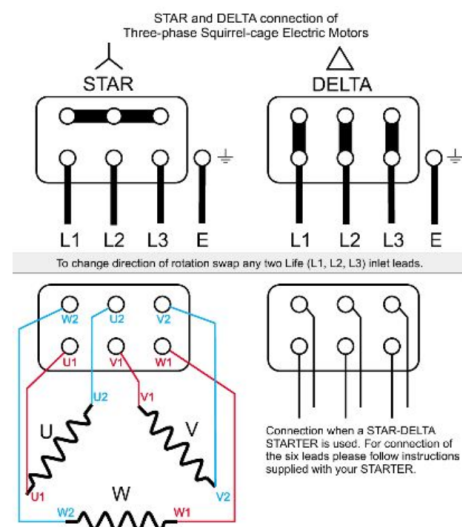
at axial air flow:

LWA _{rel} A-weighted at V=0,5*Vmax	fM [Hz]						
	125	250	500	1K	2K	4K	8K
LWA [dB(A)] Casing	-4	-4	-9	-13	-16	-21	-29
LWA [dB(A)] Inlet side	-15	-6	-4	-8	-10	-13	-20
LWA [dB(A)] Outlet side	-10	-9	-7	-4	-9	-14	-23

Dimensions: [mm]

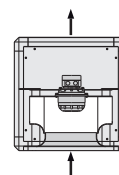
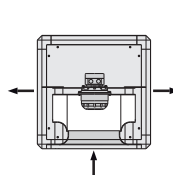


Wiring diagram:



Air performance curve at radial air flow

Air performance curve at axial air flow

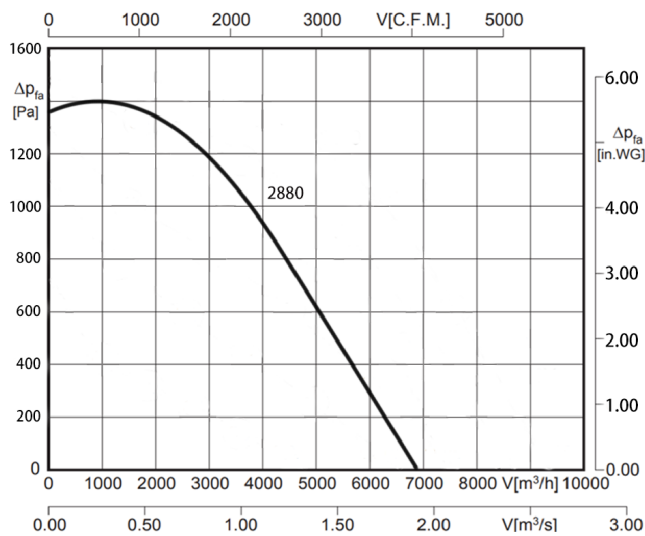


VAB 355



- Installation in any position possible
- Speed is variable using variable speed drive
- Backward curved impeller
- Casing with PU insulation of 1 or 2 inches
- Outlet possible in all directions
- Very low noise

Technical data:



Type	355D2
Voltage/Frequency [V/50Hz]	400
Phase	3
Power [W]	1100
Current [A]	2.45
Max. air flow [m^3/h]	6900
R.P.M [min ⁻¹]	2880
Max. temp. of transported air [°C]	60
Sound Pressure level @ 3m [db(A)]	66
Weight [kg]	40
Insulation class, motor	F
Enclosure class, motor	IP 55

relative total sound level: Casing LWA/ Inlet side LWA / Outlet side LWA at $V=0,5 \times V_{max}$

Sound levels:

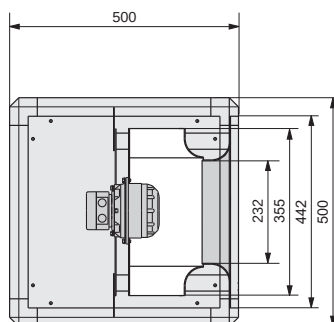
at radial air flow:

LWA _{rel} A-weighted at $V=0,5 \times V_{max}$	fM [Hz]						
	125	250	500	1K	2K	4K	8K
LWA [dB(A)] Casing	-66	-69	-72	-70	-68	-62	-57
LWA [dB(A)] Inlet side	-73	-75	-78	-77	-75	-70	-63
LWA [dB(A)] Outlet side	-74	-77	-80	-79	-77	-70	-76

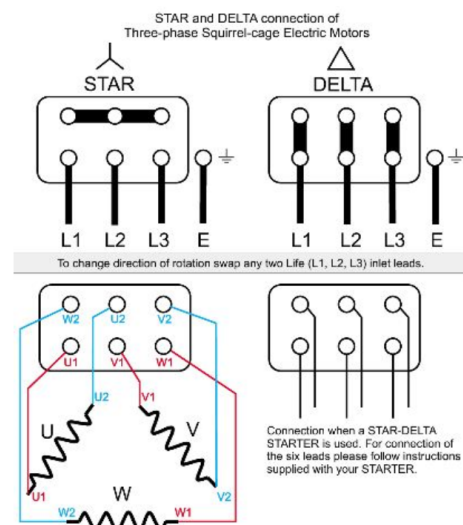
at axial air flow:

LWA _{rel} A-weighted at $V=0,5 \times V_{max}$	fM [Hz]						
	125	250	500	1K	2K	4K	8K
LWA [dB(A)] Casing	-66	-69	-72	-69	-67	-62	-57
LWA [dB(A)] Inlet side	-73	-75	-78	-75	-73	-70	-63
LWA [dB(A)] Outlet side	-74	-77	-79	-80	-76	-70	-76

Dimensions: [mm]

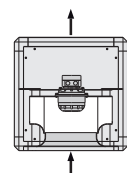
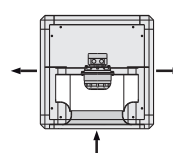


Wiring diagram:



Air performance curve at radial air flow

Air performance curve at axial air flow

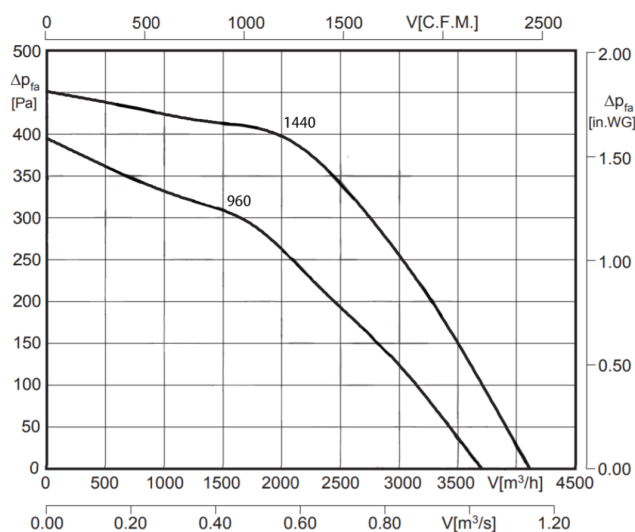


VAB 400



- Installation in any position possible
- Speed is variable using variable speed drive
- Backward curved impeller
- Casing with PU insulation of 1 or 2 inches
- Outlet possible in all directions
- Very low noise

Technical data:



Type	400D4	400D6	400E4	400E6
Voltage/Frequency [V/50Hz]	400	400	230	230
Phase	3	3	1	1
Power [W]	550	550	550	550
Current [A]	1.44	1.7	4.25	6.8
Max. air flow [m³/h]	4100	3700	4100	3700
R.P.M [min ⁻¹]	1440	960	1440	960
Max. temp. of transported air [°C]	60	60	60	60
Sound Pressure level @ 3m [db(A)]	48	39	48	39
Weight [kg]	61	61	39	39
Insulation class, motor	F	F	F	F
Enclosure class, motor	IP 55	IP 55	IP 55	IP 55

relative total sound level: Casing LWA / Inlet side LWA / Outlet side LWA at V=0,5 x Vmax

Sound levels:

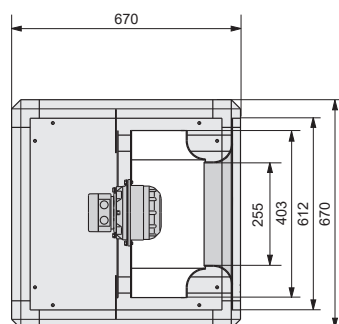
at radial air flow:

LWA _{rel} A-weighted at V=0,5*Vmax	fM [Hz]						
	125	250	500	1K	2K	4K	8K
LWA [dB(A)] Casing	-5	-3	-10	-11	-23	-29	-32
LWA [dB(A)] Inlet side	-15	-6	-4	-7	-11	-15	-23
LWA [dB(A)] Outlet side	-11	-9	-7	-3	-11	-19	-27

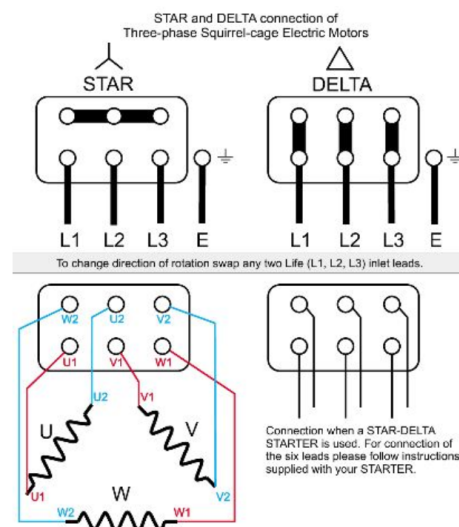
at axial air flow:

LWA _{rel} A-weighted at V=0,5*Vmax	fM [Hz]						
	125	250	500	1K	2K	4K	8K
LWA [dB(A)] Casing	-5	-3	-10	-11	-23	-29	-32
LWA [dB(A)] Inlet side	-15	-6	-4	-7	-11	-15	-23
LWA [dB(A)] Outlet side	-10	-9	-8	-3	-10	-18	-28

Dimensions: [mm]

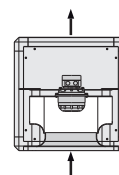
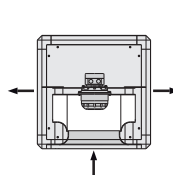


Wiring diagram:



Air performance curve at radial air flow

Air performance curve at axial air flow

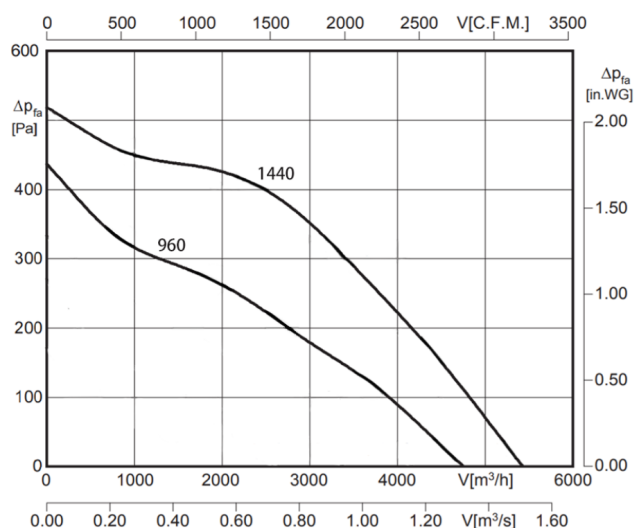


VAB 450



- Installation in any position possible
- Speed is variable using variable speed drive
- Backward curved impeller
- Casing with PU insulation of 1 or 2 inches
- Outlet possible in all directions
- Very low noise

Technical data:



Type	450D4	450D6	450E4	450E6
Voltage/Frequency [V/50Hz]	400	400	230	230
Phase	3	3	1	1
Power [W]	750	550	750	550
Current [A]	1.88	1.7	5.45	9.3
Max. air flow [m³/h]	5400	4700	5400	4700
R.P.M [min ⁻¹]	1440	960	1440	960
Max. temp. of transported air [°C]	60	60	60	60
Sound Pressure level @ 3m [db(A)]	48	39	48	39
Weight [kg]	63	63	63	63
Insulation class, motor	F	F	F	F
Enclosure class, motor	IP 55	IP 55	IP 55	IP 55

relative total sound level: Casing LWA/ Inlet side LWA / Outlet side LWA at V=0,5 x Vmax

Sound levels:

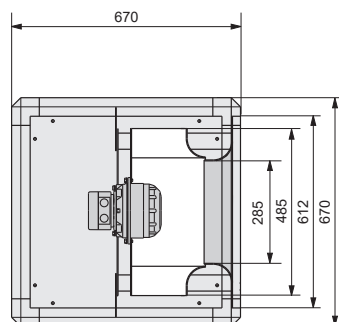
at radial air flow:

LWA _{rel} A-weighted at V=0,5*Vmax	fM [Hz]						
	125	250	500	1K	2K	4K	8K
LWA [dB(A)] Casing	-4	-4	-10	-14	-16	-21	-29
LWA [dB(A)] Inlet side	-15	-6	-4	-8	-10	-13	-20
LWA [dB(A)] Outlet side	-19	-9	-6	-5	-6	-15	-20

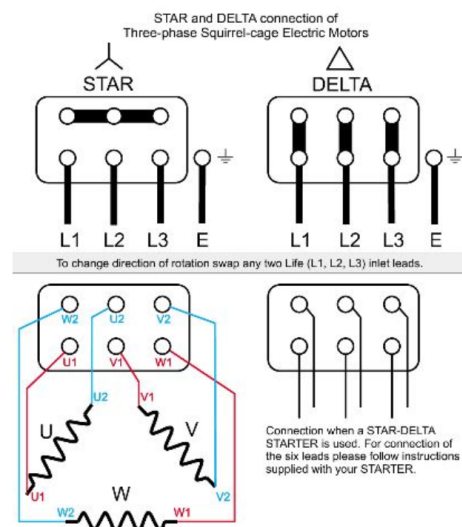
at axial air flow:

LWA _{rel} A-weighted at V=0,5*Vmax	fM [Hz]						
	125	250	500	1K	2K	4K	8K
LWA [dB(A)] Casing	-4	-4	-10	-14	-16	-21	-29
LWA [dB(A)] Inlet side	-15	-6	-4	-8	-10	-13	-20
LWA [dB(A)] Outlet side	-10	-9	-7	-4	-9	-14	-23

Dimensions: [mm]

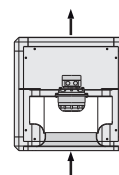
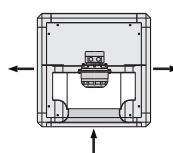


Wiring diagram:



Air performance curve at radial air flow

Air performance curve at axial air flow

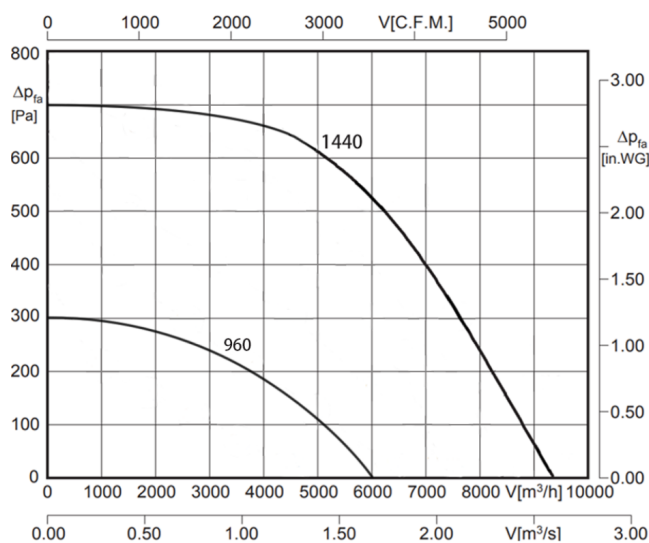


VAB 500



- Installation in any position possible
- Speed is variable using variable speed drive
- Backward curved impeller
- Casing with PU insulation of 1 or 2 inches
- Outlet possible in all directions
- Very low noise

Technical data:



Type	500D4	500D6	500E4	500E6
Voltage/Frequency [V/50Hz]	400	400	230	230
Phase	3	3	1	1
Power [W]	1500	750	1500	750
Current [A]	3.4	2.1	13.2	8
Max. air flow [m³/h]	9300	6000	9300	6000
R.P.M [min ⁻¹]	1440	960	1440	960
Max. temp. of transported air [°C]	60	60	60	60
Sound Pressure level @ 3m [dB(A)]	55	45	55	45
Weight [kg]	69	62	69	62
Insulation class, motor	F	F	F	F
Enclosure class, motor	IP 55	IP 55	IP 55	IP 55

relative total sound level: Casing LWA/ Inlet side LWA / Outlet side LWA at V=0,5 x Vmax

Sound levels:

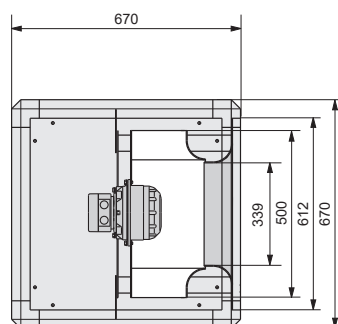
at radial air flow:

LWA _{rel} A-weighted at V=0,5*Vmax	fM [Hz]						
	125	250	500	1K	2K	4K	8K
LWA [dB(A)] Casing	-7	-3	-8	-9	-18	-24	-33
LWA [dB(A)] Inlet side	-18	-9	-6	-6	-7	-9	-16
LWA [dB(A)] Outlet side	-15	-9	-6	-5	-8	-10	-19

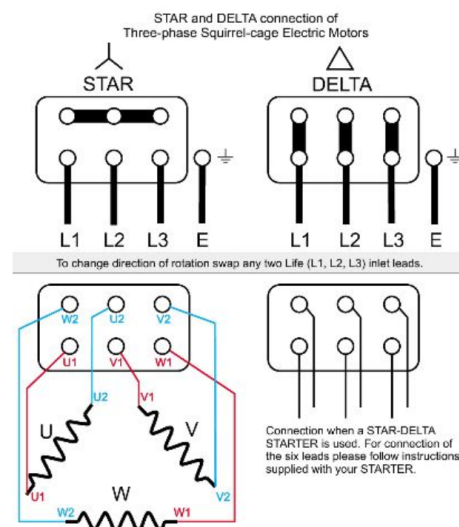
at axial air flow:

LWA _{rel} A-weighted at V=0,5*Vmax	fM [Hz]						
	125	250	500	1K	2K	4K	8K
LWA [dB(A)] Casing	-7	-3	-8	-9	-18	-24	-33
LWA [dB(A)] Inlet side	-18	-9	-6	-6	-7	-9	-16
LWA [dB(A)] Outlet side	-17	-12	-8	-4	-6	-10	-18

Dimensions: [mm]

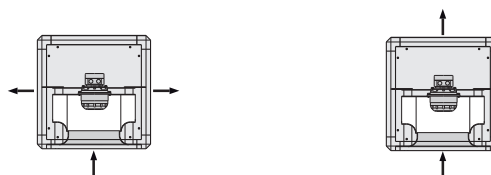


Wiring diagram:



Air performance curve at radial air flow

Air performance curve at axial air flow

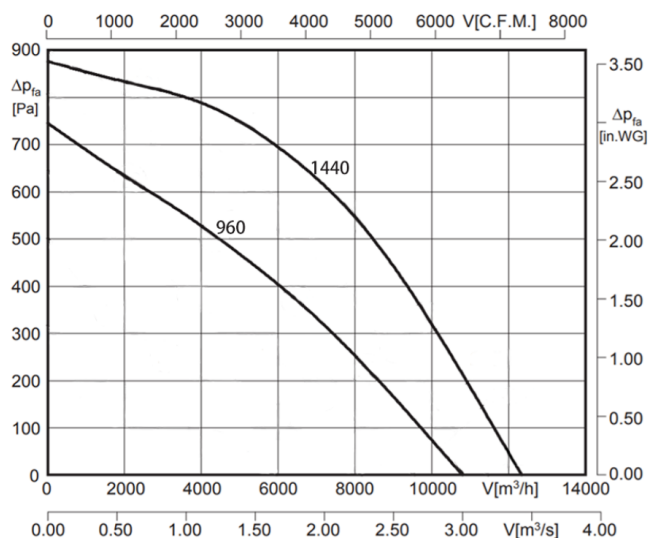


VAB 560



- Installation in any position possible
- Speed is variable using variable speed drive
- Backward curved impeller
- Casing with PU insulation of 1 or 2 inches
- Outlet possible in all directions
- Very low noise

Technical data:



Type	560D4	560D6	560E4	560E6
Voltage/Frequency [V/50Hz]	400	400	230	230
Phase	3	3	1	1
Power [W]	2200	750	2200	750
Current [A]	4.36	2.2	17	8
Max. air flow [m^3/h]	12200	10800	12200	10800
R.P.M [min^{-1}]	1440	960	1440	960
Max. temp. of transported air [$^{\circ}C$]	60	60	60	60
Sound Pressure level @ 3m [db(A)]	56	47	56	47
Weight [kg]	132	112	132	112
Insulation class, motor	F	F	F	F
Enclosure class, motor	IP 55	IP 55	IP 55	IP 55

relative total sound level: Casing Lwa / Inlet side Lwa / Outlet side Lwa at $V=0,5 \times V_{max}$

Sound levels:

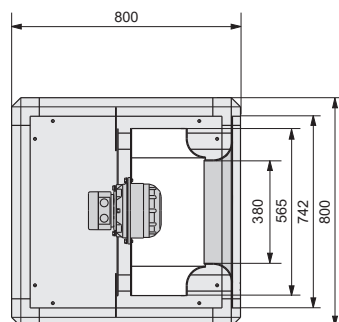
at radial air flow:

LWA _{rel} A-weighted at $V=0,5 \times V_{max}$	fM [Hz]						
	125	250	500	1K	2K	4K	8K
LWA [dB(A)] Casing	-12	-1	-13	-13	-16	-22	-31
LWA [dB(A)] Inlet side	-12	-7	-5	-8	-7	-13	-19
LWA [dB(A)] Outlet side	-17	-8	-6	-4	-9	-14	-22

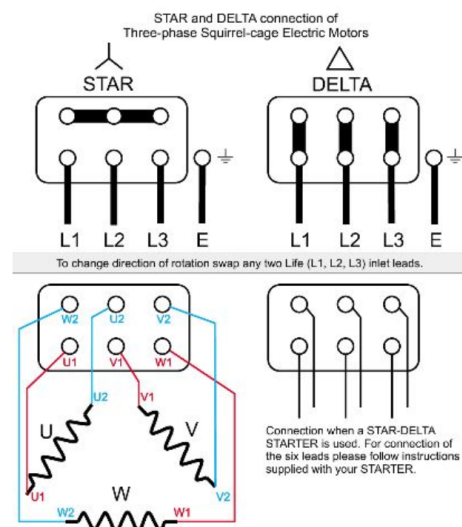
at axial air flow:

LWA _{rel} A-weighted at $V=0,5 \times V_{max}$	fM [Hz]						
	125	250	500	1K	2K	4K	8K
LWA [dB(A)] Casing	-12	-1	-13	-13	-16	-22	-31
LWA [dB(A)] Inlet side	-12	-7	-5	-8	-7	-13	-19
LWA [dB(A)] Outlet side	-15	-11	-5	-4	-9	-14	-21

Dimensions: [mm]

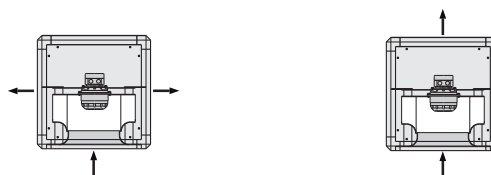


Wiring diagram:



Air performance curve at radial air flow

Air performance curve at axial air flow

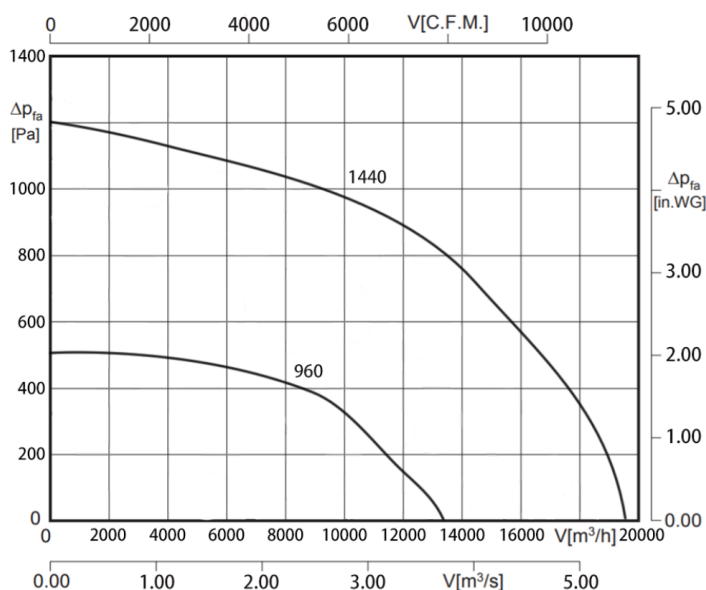


VAB 630



- Installation in any position possible
- Speed is variable using variable speed drive
- Backward curved impeller
- Casing with PU insulation of 1 or 2 inches
- Outlet possible in all directions
- Very low noise

Technical data:



Type	630D4	630D6
Voltage/Frequency [V/50Hz]	400	400
Phase	3	3
Power [W]	4000	1500
Current [A]	8.1	3.66
Max. air flow [m³/h]	19500	13100
R.P.M [min ⁻¹]	1440	960
Max. temp. of transported air [°C]	60	60
Sound Pressure level @ 3m [db(A)]	67	52
Weight [kg]	136	136
Insulation class, motor	F	F
Enclosure class, motor	IP 55	IP 55

relative total sound level: Casing LWA/ Inlet side LWA / Outlet side LWA at $V=0,5 \times V_{max}$

Sound levels:

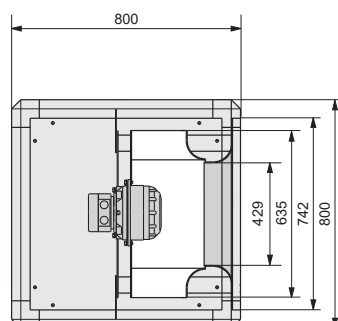
at radial air flow:

LWA _{rel} A-weighted at $V=0,5 \times V_{max}$	fM [Hz]						
	125	250	500	1K	2K	4K	8K
LWA [dB(A)] Casing	-13	-6	-8	-5	-8	-13	-20
LWA [dB(A)] Inlet side	-4	-6	-9	-10	-13	-13	-18
LWA [dB(A)] Outlet side	-14	-9	-6	-4	-9	-13	-20

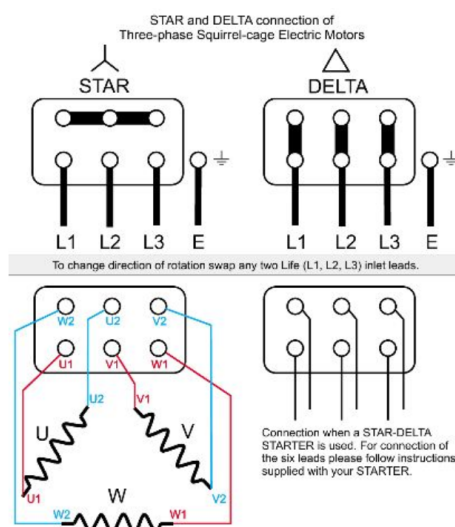
at axial air flow:

LWA _{rel} A-weighted at $V=0,5 \times V_{max}$	fM [Hz]						
	125	250	500	1K	2K	4K	8K
LWA [dB(A)] Casing	-13	-6	-8	-5	-8	-13	-20
LWA [dB(A)] Inlet side	-4	-6	-9	-10	-13	-13	-18
LWA [dB(A)] Outlet side	-16	-11	-5	-4	-9	-14	-23

Dimensions: [mm]

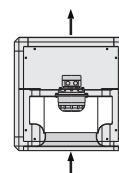
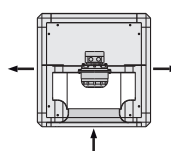


Wiring diagram:



Air performance curve at radial air flow

Air performance curve at axial air flow

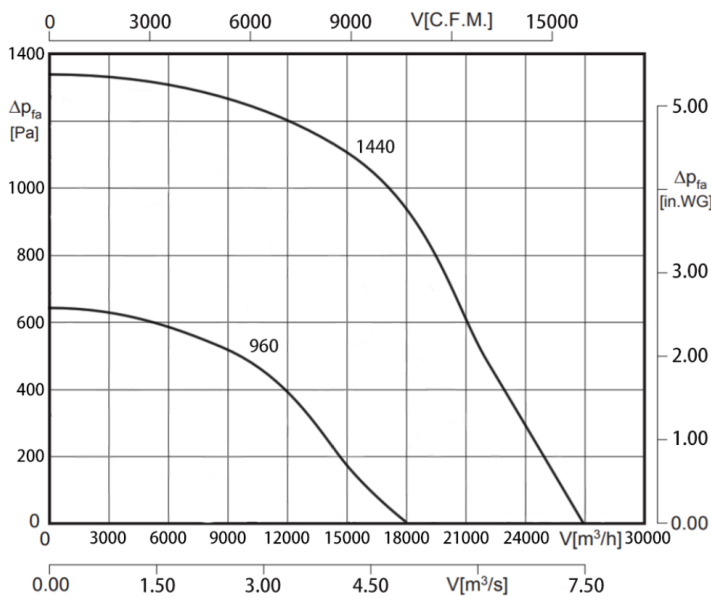


VAB 710



- Installation in any position possible
- Speed is variable using variable speed drive
- Backward curved impeller
- Casing with PU insulation of 1 or 2 inches
- Outlet possible in all directions
- Very low noise

Technical data:



Type	710D4	710D6
Voltage/Frequency [V/50Hz]	400	400
Phase	3	3
Power [W]	7500	3000
Current [A]	14.3	6.78
Max. air flow [m^3/h]	27000	18000
R.P.M [min ⁻¹]	1440	960
Max. temp. of transported air [°C]	60	60
Sound Pressure level @ 3m [dB(A)]	75	65
Weight [kg]	202	162
Insulation class, motor	F	F
Enclosure class, motor	IP 55	IP 55

relative total sound level: Casing LWA/ Inlet side LWA / Outlet side LWA at $V=0,5 \times V_{max}$

Sound levels:

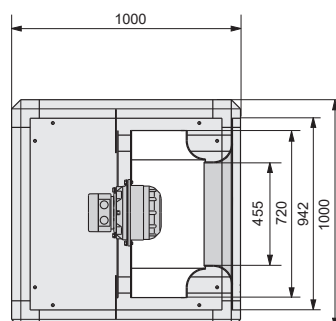
at radial air flow:

LWA _{rel} A-weighted at $V=0,5 \times V_{max}$	fM [Hz]						
	125	250	500	1K	2K	4K	8K
LWA [dB(A)] Casing	-13	-4	-13	-15	-20	-26	-32
LWA [dB(A)] Inlet side	-11	-7	-10	-5	-6	-13	-22
LWA [dB(A)] Outlet side	-17	-15	-5	-4	-7	-15	-25

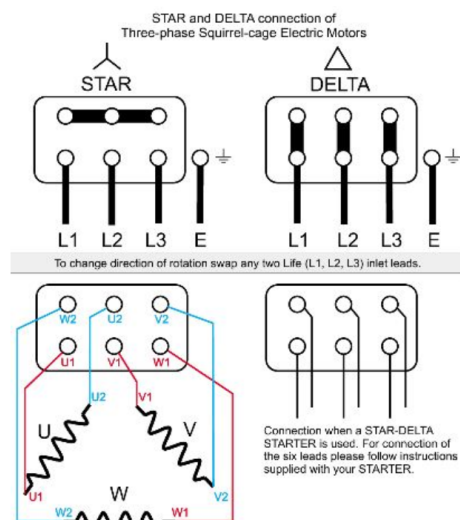
at axial air flow:

LWA _{rel} A-weighted at $V=0,5 \times V_{max}$	fM [Hz]						
	125	250	500	1K	2K	4K	8K
LWA [dB(A)] Casing	-13	-4	-13	-15	-20	-26	-32
LWA [dB(A)] Inlet side	-11	-7	-10	-5	-6	-13	-22
LWA [dB(A)] Outlet side	-24	-13	-5	-5	-6	-15	-23

Dimensions: [mm]

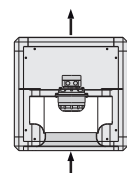
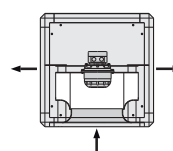


Wiring diagram:



Air performance curve at radial air flow

Air performance curve at axial air flow

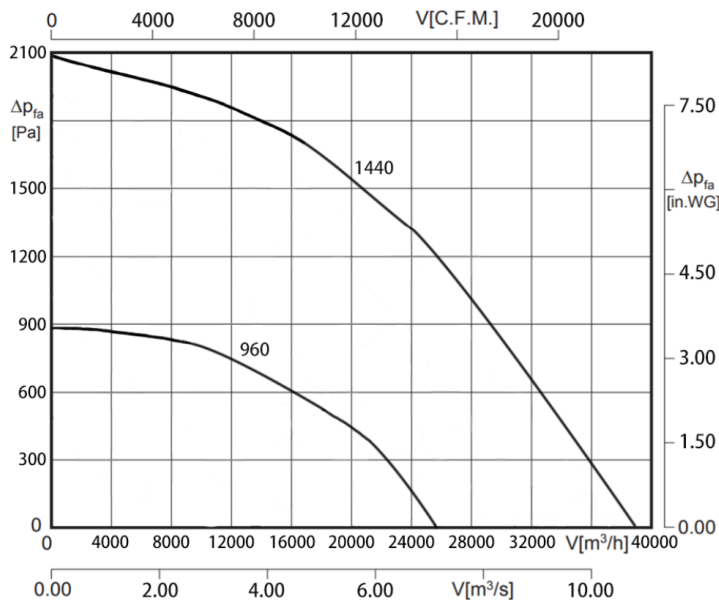


VAB 800



- Installation in any position possible
- Speed is variable using variable speed drive
- Backward curved impeller
- Casing with PU insulation of 1 or 2 inches
- Outlet possible in all directions
- Very low noise

Technical data:



Type	800D4	800D6
Voltage/Frequency [V/50Hz]	400	400
Phase	3	3
Power [W]	15000	4000
Current [A]	27.8	8.93
Max. air flow [m³/h]	39000	25500
R.P.M [min ⁻¹]	1440	960
Max. temp. of transported air [°C]	60	60
Sound Pressure level @ 3m [db(A)]	78	70
Weight [kg]	262	171
Insulation class, motor	F	F
Enclosure class, motor	IP 55	IP 55

relative total sound level: Casing LWA/ Inlet side LWA / Outlet side LWA at $V=0,5 \times V_{max}$

Sound levels:

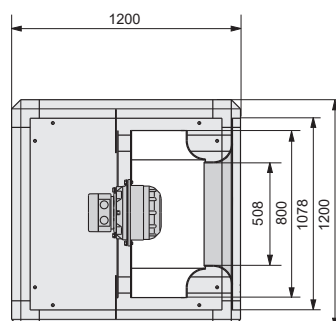
at radial air flow:

LWA _{rel} A-weighted at $V=0,5 \times V_{max}$	fM [Hz]						
	125	250	500	1K	2K	4K	8K
LWA [dB(A)] Casing	-13	-4	-13	-15	-20	-26	-32
LWA [dB(A)] Inlet side	-11	-7	-10	-5	-6	-13	-22
LWA [dB(A)] Outlet side	-17	-15	-5	-4	-7	-15	-25

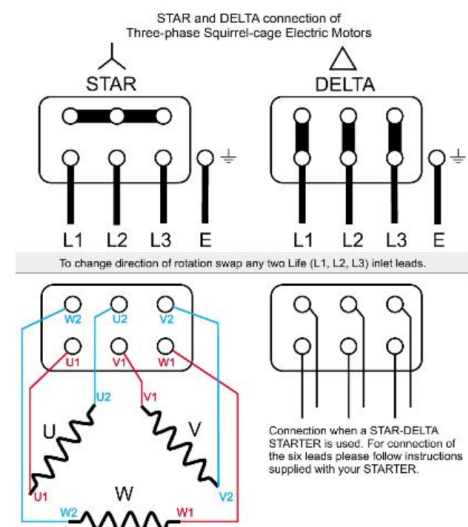
at axial air flow:

LWA _{rel} A-weighted at $V=0,5 \times V_{max}$	fM [Hz]						
	125	250	500	1K	2K	4K	8K
LWA [dB(A)] Casing	-13	-4	-13	-15	-20	-26	-32
LWA [dB(A)] Inlet side	-11	-7	-10	-5	-6	-13	-22
LWA [dB(A)] Outlet side	-24	-13	-5	-5	-6	-15	-23

Dimensions: [mm]



Wiring diagram:



Air performance curve at radial air flow

Air performance curve at axial air flow

