

DHA sileo

- Axial roof fan for supply air
- Casing and base frame manufactured from galvanized steel, powder coated RAL 7010; cowl manufactured from seawater resistant aluminium.
- With external rotor motors, speed controllable by voltage reduction. Three phase version can be switched between D/Y connection for two speeds.
- Motor protection via integral thermal contacts with external leads for connection to a motor protection switch, for example Systemair unit S-ET.
- Size 400: Impeller blades with bionic shape are manufactured from high efficiency composite material.
- Size 500-630: Impeller blades with bionic shape are manufactured from pressure die cast aluminium.

Electrical accessories



S-ET/STD T
p. 373



RTRE p. 356



REU p. 356



RTRD p. 357



RTRDU p. 357

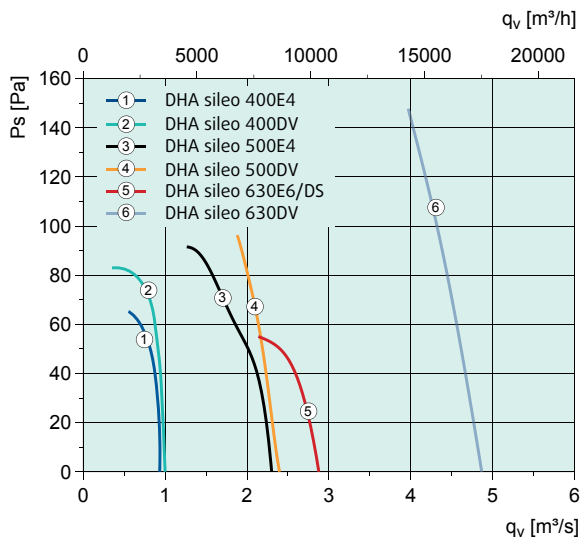


REE p. 357



S-DT2 SKT
p. 381

Quick selection



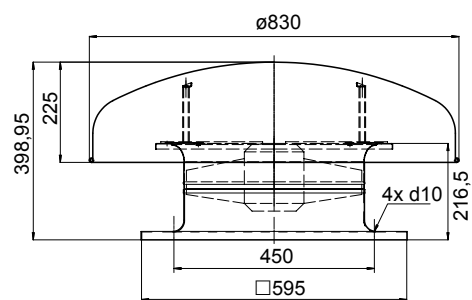
Technical data

DHA sileo		400E4	400DV	500E4	500DV	630E6	630DS	630DV
Art. no.		34500	34501	34502	34503	34504	34505	34506
Voltage/Frequency	V/50/60 Hz	230 1~	400 3~	230 1~	400 3~	230 1~	400 3~	400 3~
Power	W	240	230	750	770	730	630	2400
Current	A	1.1	0.44	3.35	1.7	3.4	1.25	4.75
Max. air flow	m³/s	1.0	1.0	2.3	2.4	2.9	2.9	4.9
R.p.m.	min-1	1375	1370	1230	1300	910	903	1320
Max. temp. of transported air	°C	65	70	70	70	70	70	65
Sound pressure level at 10 m	dB(A)	41	41	45	46	43	43	56
Weight	kg	18	18	35	35	51	51	71
Insulation class, motor	F	F	F	F	F	F	F	F
Enclosure class, motor	IP 54	IP 54	IP 54	IP 54	IP 54	IP 54	IP 54	IP54
Capacitor	µF	5	-	16	-	16	-	-
Motor protection		S-ET 10	STD T 16	S-ET 10	STD T 16	S-ET 10	STD T 16	STD T 16
Speed control, five step	Transformer	RTR 1.5	RTRD 2	RTR 5	RTRD 2	RTR 5	RTRD 2	RTRD 7
Speed control, five step high/low	Transformer	REU 1.5*	RTRDU 2	REU 5*	RTRDU 2	REU 5*	RTRDU 2	RTRDU 7
Speed control, two step, 400V D/Y		-	S-DT2 SKT	-	S-DT2 SKT	-	S-DT2 SKT	S-DT2 SKT
Speed control, stepless	Thyristor	REE 2*	-	REE 4*	-	-	-	-
Wiring diagram p. 442-461		6a	18b	6a	18b	6a	18b	18b

*) + S-ET 10

Dimensions

DHA 400

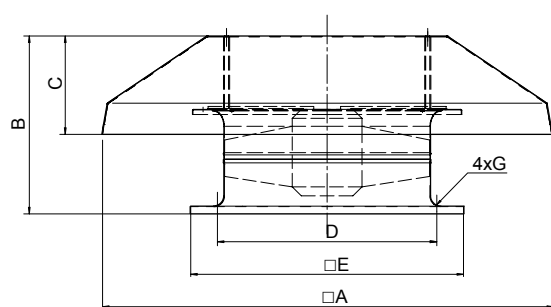


Ventilation accessories



FDS p. 420

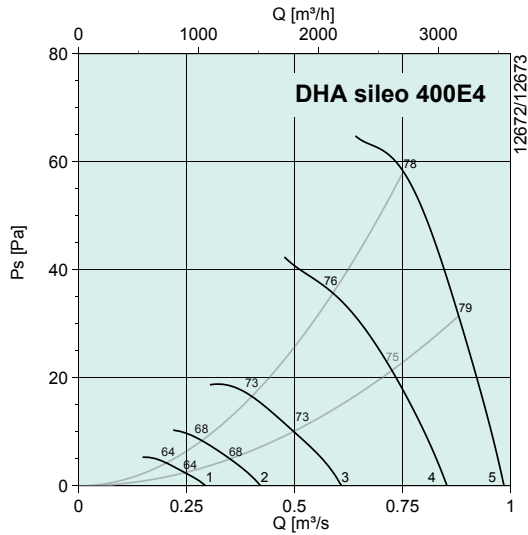
DHA 500/630



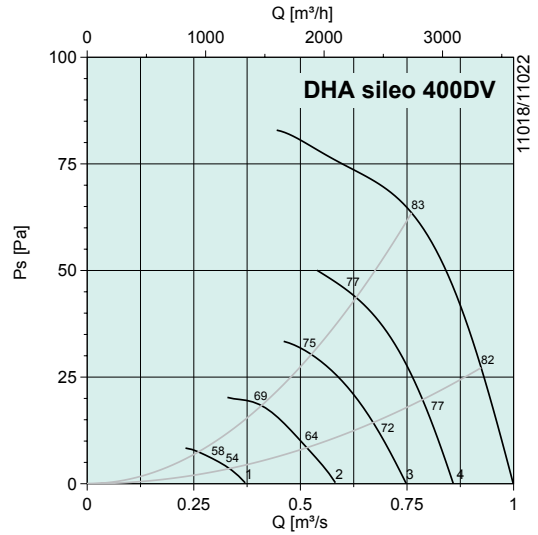
DHA	A	B	C	D	E	G
500	1100	434	240	535	665*	4xØ12
630	1282	481.5	240	750	939*	4xØ14

* inside

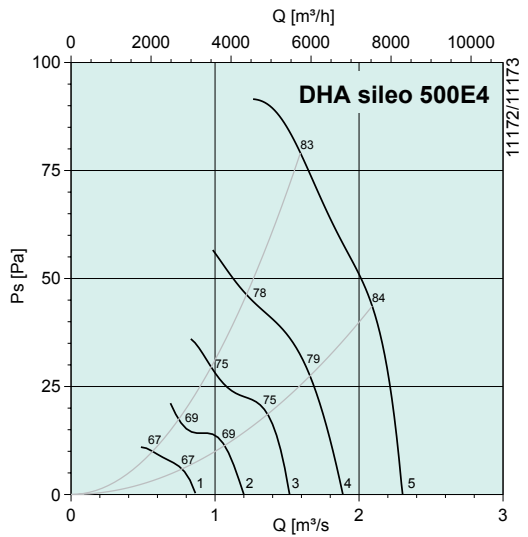
Performance



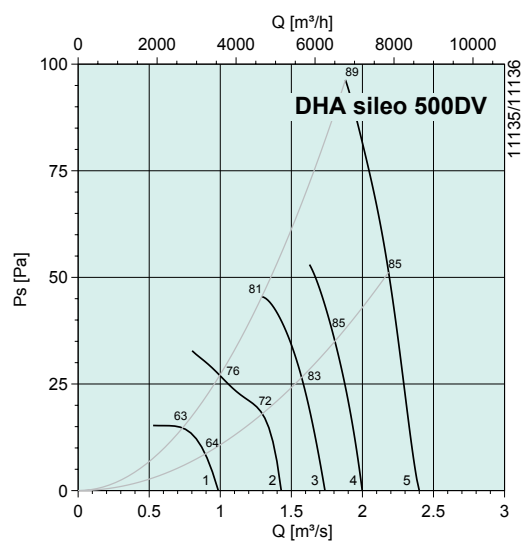
dB(A)	Tot	Frequency bands [Hz]							
		63	125	250	500	1k	2k	4k	8k
L _{WA} Inlet	72	40	62	65	65	66	63	58	50
L _{WA} Outlet	75	38	56	63	69	70	68	62	54
Measurement point: 0.727 m ³ /s @ 60.7 Pa									



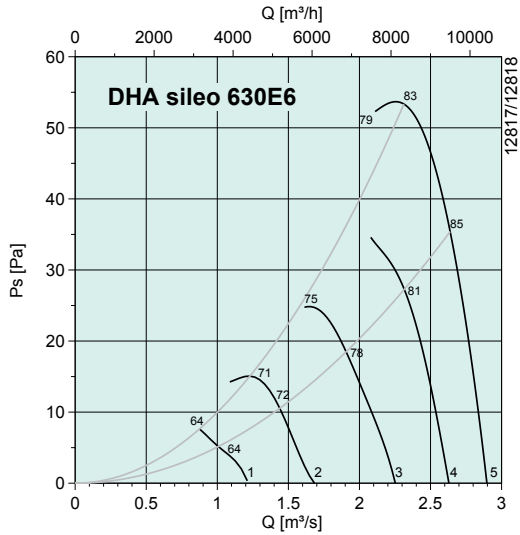
dB(A)	Tot	Frequency bands [Hz]							
		63	125	250	500	1k	2k	4k	8k
L _{WA} Inlet	72	42	64	64	65	66	63	58	50
L _{WA} Outlet	77	49	61	70	72	71	68	62	53
Measurement point: 0.722 m ³ /s @ 67.5 Pa									



dB(A)	Tot	Frequency bands [Hz]							
		63	125	250	500	1k	2k	4k	8k
L _{WA} Inlet	77	49	68	73	68	69	65	61	56
L _{WA} Outlet	77	47	64	68	72	72	69	65	61
Measurement point: 1.47 m ³ /s @ 86.5 Pa									

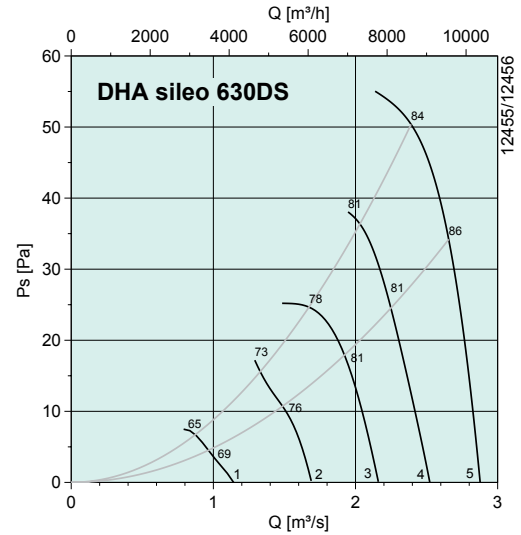


dB(A)	Tot	Frequency bands [Hz]							
		63	125	250	500	1k	2k	4k	8k
L _{WA} Inlet	77	44	70	68	70	70	66	62	55
L _{WA} Outlet	83	57	70	74	78	77	74	69	62
Measurement point: 1.88 m ³ /s @ 96.3 Pa									



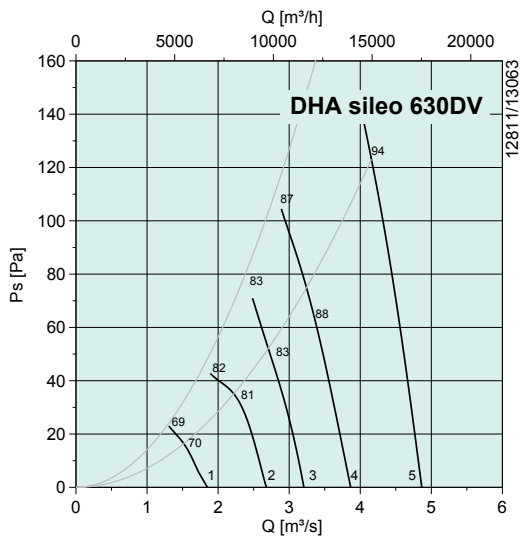
dB(A)	Tot	Frequency bands [Hz]							
		63	125	250	500	1k	2k	4k	8k
L _{WA} Inlet	74	47	63	68	69	68	65	62	57
L _{WA} Outlet	78	47	61	68	73	72	69	66	61

Measurement point: 2.39 m³/s @ 51.8 Pa



dB(A)	Tot	Frequency bands [Hz]							
		63	125	250	500	1k	2k	4k	8k
L _{WA} Inlet	74	43	62	67	68	68	65	61	55
L _{WA} Outlet	78	51	62	69	72	72	71	66	61

Measurement point: 2.4 m³/s @ 50.2 Pa



dB(A)	Tot	Frequency bands [Hz]							
		63	125	250	500	1k	2k	4k	8k
L _{WA} Inlet	87	55	77	77	80	83	79	73	65
L _{WA} Outlet	90	55	75	79	84	86	83	77	70

Measurement point: 3.97 m³/s @ 148 Pa