EC centrifugal fans - RadiPac

backward curved, single inlet, Ø 310

Highlights:

– 7-blade fan, 3-phase fan motor
– Output: 10 VDC, max.10 mA, 20 VDC, max. 50 mA, slave 0-10 V
– Input: sensor 0-10 V or 4-20 mA, 24 V external programming, 0-10 VDC/ PWM control
– Integrated PID controller along with RS485 MODBUS RTU technology
– Over-temperature protected electronics / motor
– Soft start, alarm relay, motor current limit, PFC passive, line undervoltage / phase failure detection
– Control interface with SELV potential safely disconnected from the mains

Material: Impeller: Aluminum sheet
Rotor: Coated in black
Electronic housing: Die-cast aluminum
Assembly: Galvanized steel with aluminum posts

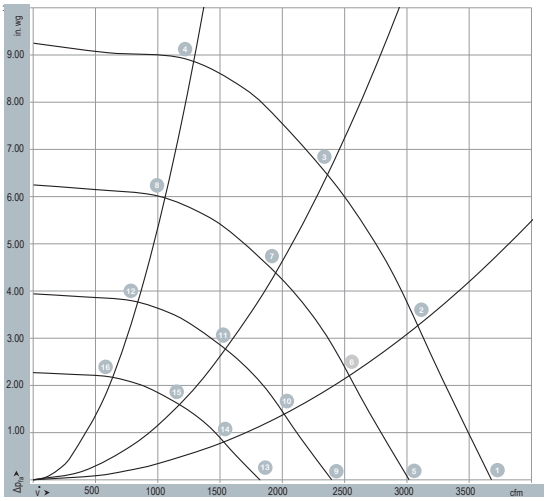
Mounting position: Shaft horizontal or rotor on bottom; rotor on top on request
Condensate discharge holes: Rotor-side
Direction of rotation: Clockwise, seen on rotor

Nominal Data

Type	RadiPac	Motor	Air flow CFM	Nominal voltage range VAC	Frequency Hz	Power input (1) Watts	Speed (1) RPM	Current draw (1) A	Temperature range (1) °C	Mass lbs	Ingress protection rating	Electrical wiring diagram	UL
R3G310-AZ88-03	EG1R-480-310-36	M3G112-IA	3,667	380...480	50/60	3,240	4,100	4.3	-40...40	33	IP54	A	Yes

(1) Nominal data at maximum load.

Curves



Measurement: LU-149290

Air performance measured as per: ISO 5801, Installation category A, without protection against accidental contact.

Suction-side noise levels: L_{WA} as per ISO 13347, L_{PA} measured at 1m distance to fan axis.

The values given are valid under the measuring conditions mentioned and may vary accoring to the actual installation situation.

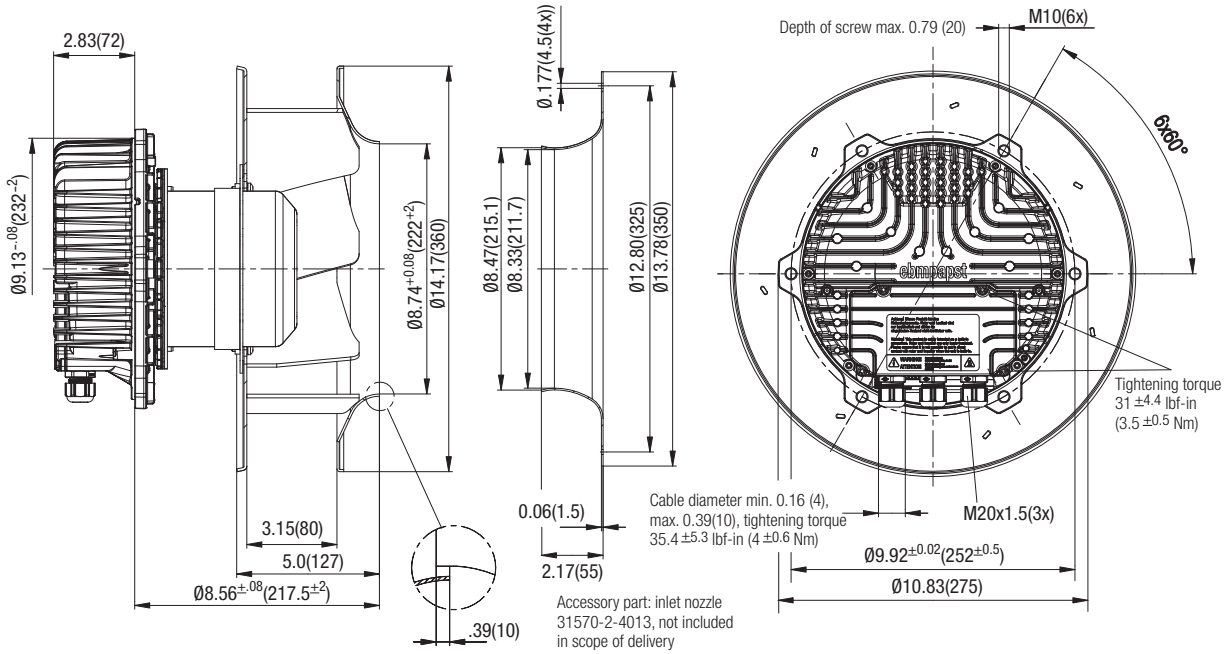
With any deviation to the standard set-up, the specific values have to be checked and reviewed once installed or fitted.

For detailed information on the measuring set-up, please contact ebm-papst.

	n rpm	Pe W	I A (460v)	$L_{WA_{in}}$ dB(A)
1	4100	2244	2.9	99
2	4100	2767	3.6	94
3	4100	3240	4.3	91
4	4100	3018	3.9	95
5	3400	1248	1.6	94
6	3400	1550	2.0	89
7	3400	1797	2.3	86
8	3400	1690	2.2	90
9	2700	625	0.8	88
10	2700	776	1.0	83
11	2700	900	1.2	80
12	2700	847	1.1	85
13	2050	274	0.4	81
14	2050	340	0.4	76
15	2050	394	0.5	73
16	2050	371	0.5	78

R3G310-AZXX-XX

Dimensions shown in inches (mm)



EGIR-XXX-310-36

Dimensions shown in inches (mm)