EC centrifugal fans

backward curved, single inlet, Ø 630

Highlights:

– 6-blade fan, 3-phase fan motor

– 10 VDC max. output / 10 mA, 20 VDC max. output / 50 mA, 0-10 V slave output, 24 V external program input, 0-10 VDC / PWM control input, 0-10 V or 4-20 mA sensor input, external release input

– Integrated PID controller, RS485 MODBUS RTU technology

– Over-temperature protected electronics / motor, alarm relay

– Soft start, PFC passive, line undervoltage / phase failure detection

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

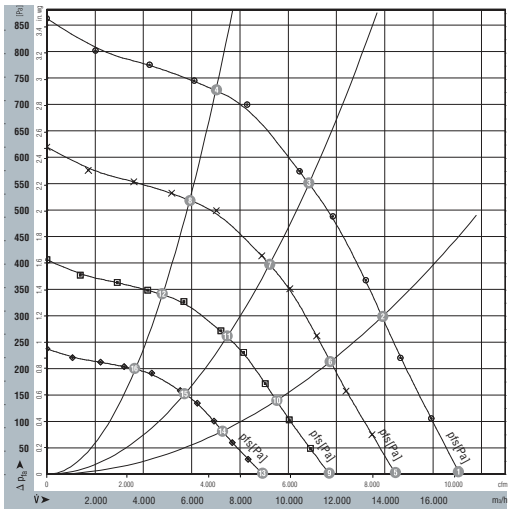
Direction of rotation: Clockwise, seen on rotor

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
R3G630-AB30-63F	EG1R-240-630-30	M3G150-IF	10,100	200...240	50/60	2,850	1,230	7.8	-25...40	65	IP54	A	Yes
R3G630-AB21-62F	EG1R-480-630-30	M3G150-IF	10,100	380...480	50/60	2,770	1,230	3.7	-25...55	65	IP54	A	Yes

(1) Nominal data at maximum load.

Curves



Measurement: LU-132496

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.

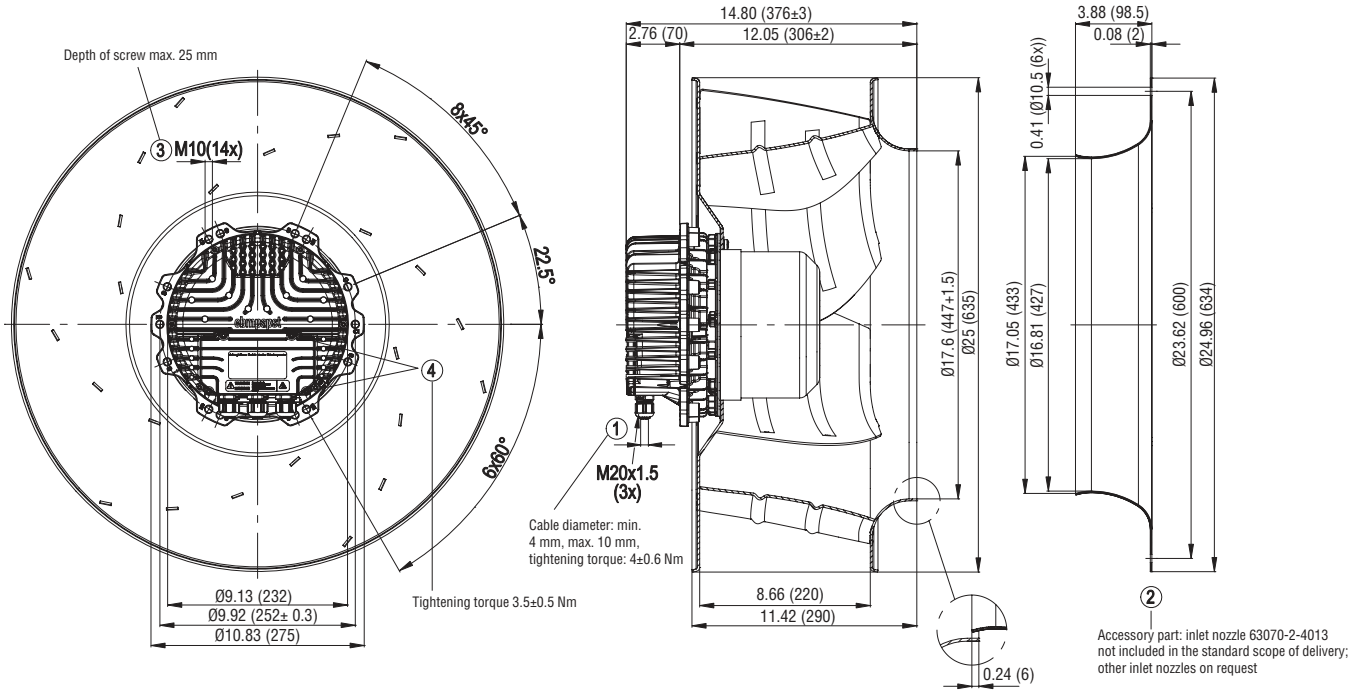
With any deviation to the standard set-up, the specific values have to be checked and reviewed once installed or fitted.

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

	n rpm	Pe W	I A (460V)	I A (230V)	$L_{WA_{in}}$ dB(A)
1	1230	2052	3.0	5.6	85
2	1230	2593	3.7	7.0	82
3	1230	2770	3.7	7.8	80
4	1230	2581	3.7	7.0	81
5	1050	1237	1.8	3.4	82
6	1050	1569	2.2	4.3	78
7	1050	1779	2.5	4.8	77
8	1050	1558	2.2	4.3	77
9	850	656	0.9	1.7	77
10	850	832	1.2	2.3	73
11	850	944	1.3	2.5	72
12	850	827	1.2	2.3	72
13	650	293	0.4	0.8	71
14	650	372	0.5	1.0	67
15	650	422	0.6	1.1	66
16	650	370	0.5	1.0	66

R3G630-ABXX-XXF

Dimensions shown in inches (mm)



EG1R-XXX-630-30

Dimensions shown in inches (mm)