

EC centrifugal fans

backward curved, single inlet, Ø 630



Highlights:

- 6-blade fan, 3-phase fan motor
- 10 VDC max. output / 10 mA, 24 V external program input, 0-10 VDC / PWM control 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

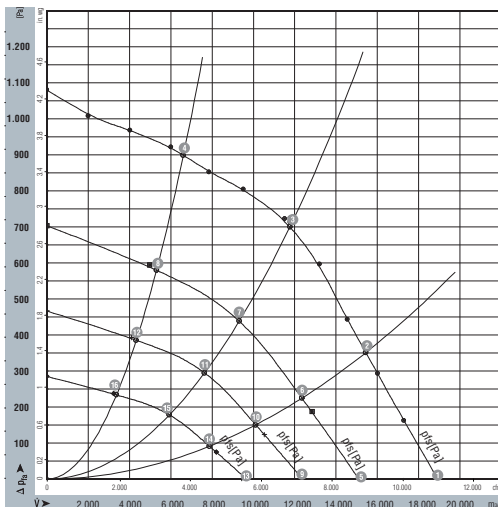
Direction of rotation: Clockwise, seen on rotor

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-AC05-61F	EG1R-480-630-60	M3G150-NA	11,150	380...480	50/60	4,000	1,370	5.4	-25...50	85	IP54	B	Yes

(1) Nominal data at maximum load.

Curves



Measurement: LU-112140
Measurement: LU-114038
Measurement: LU-114039
Measurement: LU-114040

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 according 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	1370	2975	4.0	90
2	1370	3591	4.8	86
3	1370	4000	5.4	83
4	1370	3345	4.5	85
5	1100	1432	2.0	82
6	1100	1712	2.3	79
7	1100	1930	2.6	77
8	1100	1591	2.2	79
9	900	791	1.2	76
10	900	954	1.4	73
11	900	1080	1.5	72
12	900	891	1.3	73
13	700	402	0.7	69
14	700	464	0.8	67
15	700	516	0.9	65
16	700	438	0.7	66

