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Nominal data

Type	R4E280-CI01-01		
Motor	M4E110-IA		
Phase		1~	1~
Nominal voltage	[V]	230	230
Frequency	[Hz]	50	60
Type of data definition		ml	ml
Valid for approval / standard		CE	CE
Speed	[min ⁻¹]	1230	1410
Power input	[W]	1050	1170
Current draw	[A]	4.75	5.13
Motor capacitor	[µF]	16	16
Capacitor voltage	[VDB]	450	450
Min. back pressure	[Pa]	100	350
Max. ambient temperature	[°C]	50	50

ml = max. load · me = max. efficiency · rfa = running at free air · cs = customer specs · cu = customer unit
Subject to alterations

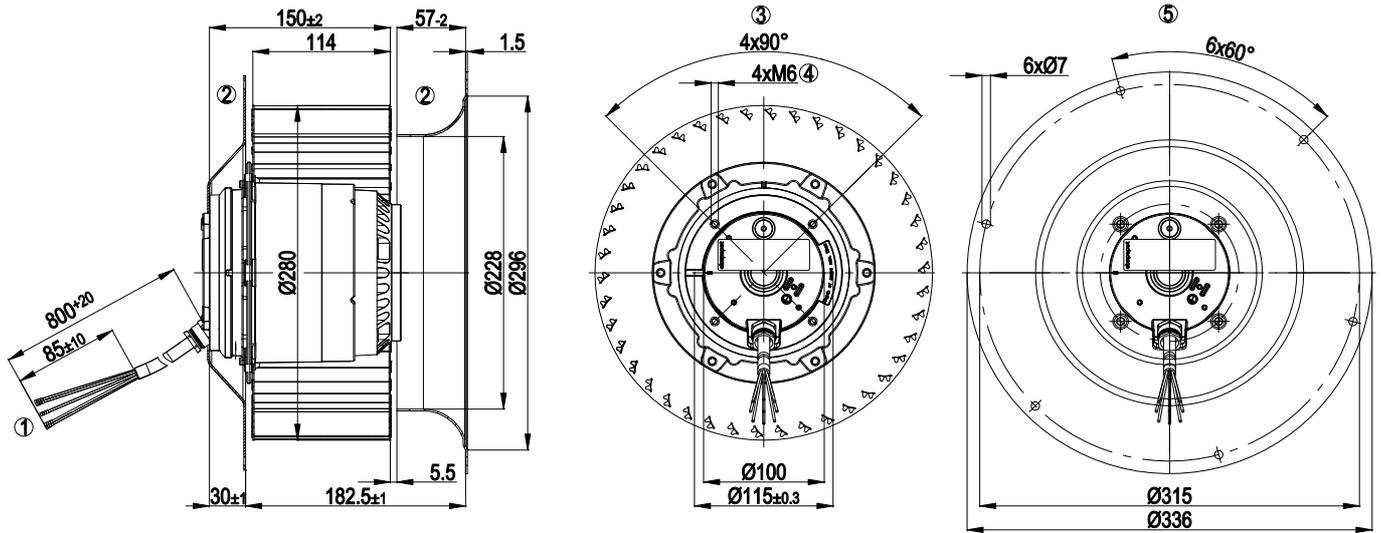
Technical features

Leakage current	<= 3,5 mA
Size	280 mm
Operation mode	S1
Direction of rotation	Clockwise, seen on rotor
Mounting position	Shaft horizontal or rotor on bottom; rotor on top on request
Humidity class	F3-1
Insulation class	"F"
Condensate discharge holes	Rotor-side
Bearing motor	Ball bearing
Mass	12 kg
Material of impeller	Sheet steel, hot-galvanised
Motor protection	Thermal overload protector (TOP) brought out
Product conforming to standard	CE; EN 61800-5-1
Surface of rotor	Cast in aluminium
Type of protection	IP 54
Protection class	I
Max. permissible ambient motor temp. (transp./ storage)	+80 °C
Min. permissible ambient motor temp. (transp./storage)	-40 °C
Approval	CSA C22.2 Nr.100; GOST; UL 1004

AC centrifugal fan

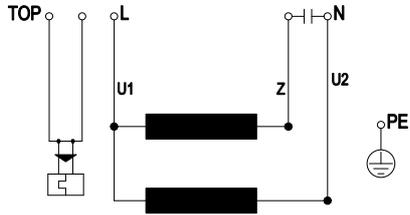
forward curved, single inlet

Product drawing



1	Connection line silicone, 6 x brass lead tips crimped
2	Accessory part: Inlet nozzle 28010-2-4013 and flange 10280-2-4017 not included in the standard scope of delivery
3	View without flange
4	Depth of screw max. 12 mm
5	View with flange

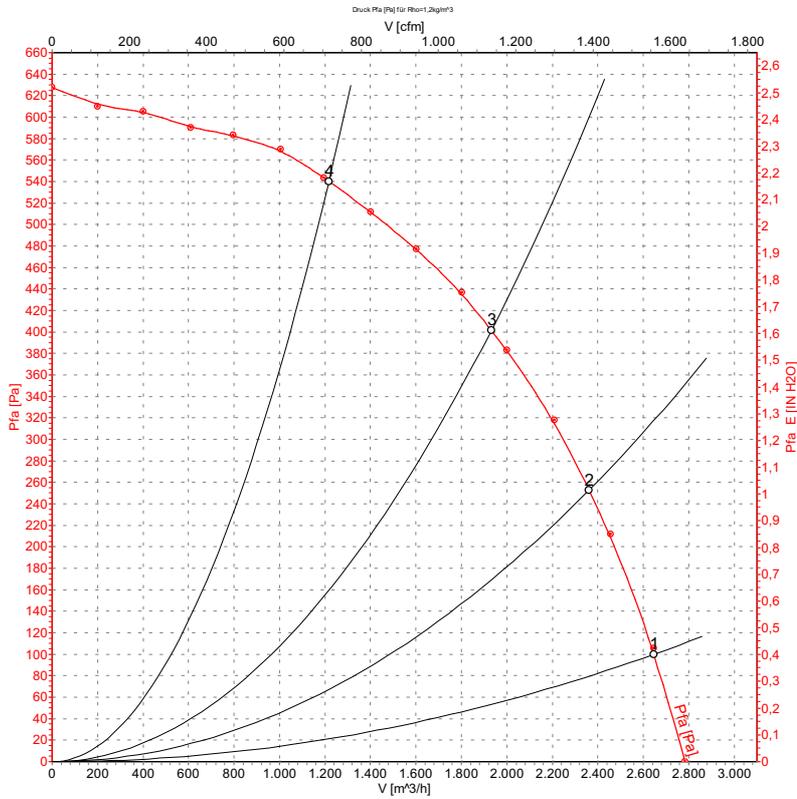
Connection screen



Note: TOP brought out

TOP	2 x grey	U1	blue	Z	brown
U2	black	PE	green / yellow		

Charts: Air flow 50 Hz

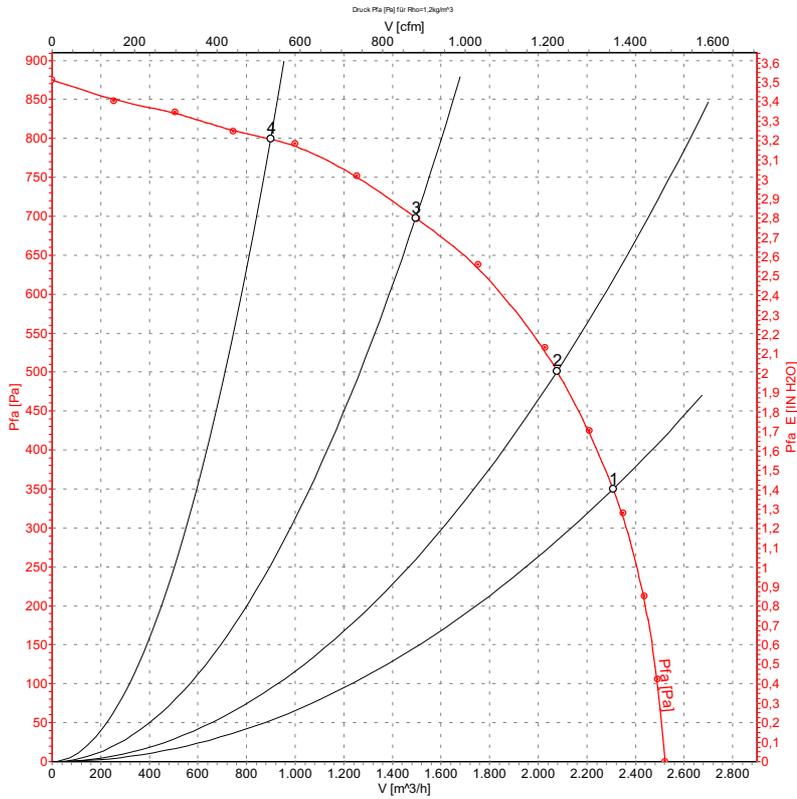


Measurement: LU-75447

Measured values

	U	f	n	P ₁	I	\hat{V}	P _{fa}
	[V]	[Hz]	[min ⁻¹]	[W]	[A]	[m³/h]	[Pa]
1	230	50	1230	1050	4.75	2645	100
2	230	50	1305	911	4.04	2360	250
3	230	50	1370	735	3.21	1930	400
4	230	50	1425	538	2.35	1215	540

Charts: Air flow 60 Hz



Measurement: LU-75448

Measured values

	U	f	n	P ₁	I	LwA _{ss}	\hat{V}	p _{fa}
	[V]	[Hz]	[min ⁻¹]	[W]	[A]	[dB(A)]	[m ³ /h]	[Pa]
1	230	60	1410	1170	5.13	84	2310	350
2	230	60	1510	1090	4.72	84	2075	500
3	230	60	1630	920	4.00	83	1495	700
4	230	60	1690	780	3.52	84	900	800