

## Plug Fans – RPD Series



For Air Handling Units and HVAC Systems

The RPD series plug fans are specially designed for high-efficiency air movement in air handling units (AHUs) and ducted/non-ducted HVAC systems. Their direct-drive configuration eliminates the need for belts and pulleys, providing low maintenance requirements and excellent energy savings.

**Typical applications include:** Air handling units (standard and hygienic types), Clean rooms and laboratory ventilation, Hospitals, pharmaceutical and medical facilities, Food production areas, Commercial buildings, shopping malls, hotels, Data centers and precision cooling systems

**Impeller:** Statically and dynamically balanced, Patented PP inlet cone ensuring higher efficiency and quiet operation, Ultra-lightweight construction, Aerofoil 3D blade geometry, backward-curved structure, Manufactured from corrosion-resistant PP or PP-el Conductive material  
**Casing:** Galvanized, Aluminum, or Stainless Steel housing, UV-resistant surface coating, Compact design suitable for installation at any mounting angle



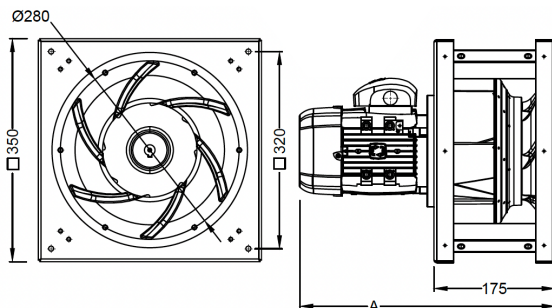
**Fittings:** All components manufactured from A4/316 grade stainless steel

**Operating Conditions:** Conveyed air temperature: -20 °C to +55 °C, High-efficiency IE3/IE4 AC motor or EC motor, **Protection class IP55/IP65**, Easy maintenance—no belt and pulley system, Speed control only via frequency inverter (AC motor) or integrated driver (EC motor)

- Explosion-Proof Design:**

All models are produced as complete fans with **ATEX certification**, Constructed from **anti-static and non-flammable materials**, Do not emit smoke during operation,

**RPD series Explosion-proof plug fans** combine **safety, durability, and energy efficiency**, making them the ideal solution for demanding industrial environments.



MOTOR	63 GÖV.	71 GÖV.	80 GÖV.	90 GÖV.	100 GÖV.	112 GÖV.
A	367	389	-	-	-	-

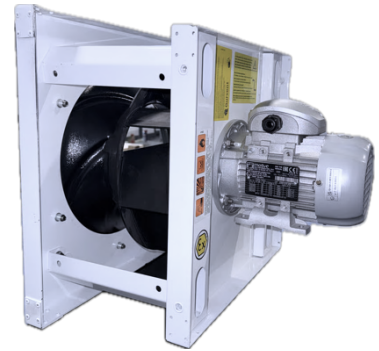


Model	Sipariş Kodu	Supply	Air Flow	Speed	Motor	Current	Temp.	Weight	
	Code	V	m <sup>3</sup> /h	min <sup>-1</sup>	Kw	Amp	+°C	Kg	
RPD 25B/2/50.T	⑧ 9252501	400V/50Hz	2150	2950	0,37	0,97	55	16	
RPD 25B/4/50.T	③ 9254501	400V/50Hz	1100	1450	0,37	0,97	55	16	
RPD 25B/2/50.M	⑧ 9252502	230V/50Hz	2150	2950	0,37	2,50	55	16	
RPD 25B/4/50.M	③ 9254502	230V/50Hz	1100	1450	0,37	2,50	55	16	
RPD 25B/6/50.T	① 9256501	400V/50Hz	700	950	0,18	1,20	55	16	
<b>Explosion proof / ATEX Version</b>		>> Gas / Ex II 2G h T4-T6 IP65 - (Gas) - Zone1/2		>>Dust / Ex II 2D tb IIIC T135° Db (IP65) – Zone1/2					
RPD 25B/2/50.Ex	⑧ 9252503	400V/50Hz	2150	2950	0,37	0,97	55	16	
RPD 25B/4/50.Ex	③ 9254503	400V/50Hz	1100	1450	0,37	0,97	55	16	
RPD 25B/2/50.Ex M	⑧ 9252504	230V/50Hz	2150	2950	0,37	2,50	55	17	
RPD 25B/4/50.Ex.M	③ 9254504	230V/50Hz	1100	1450	0,37	2,50	55	17	
RPD 25B/6/50.Ex	① 9256503	400V/50Hz	700	950	0,18	1,20	55	16	

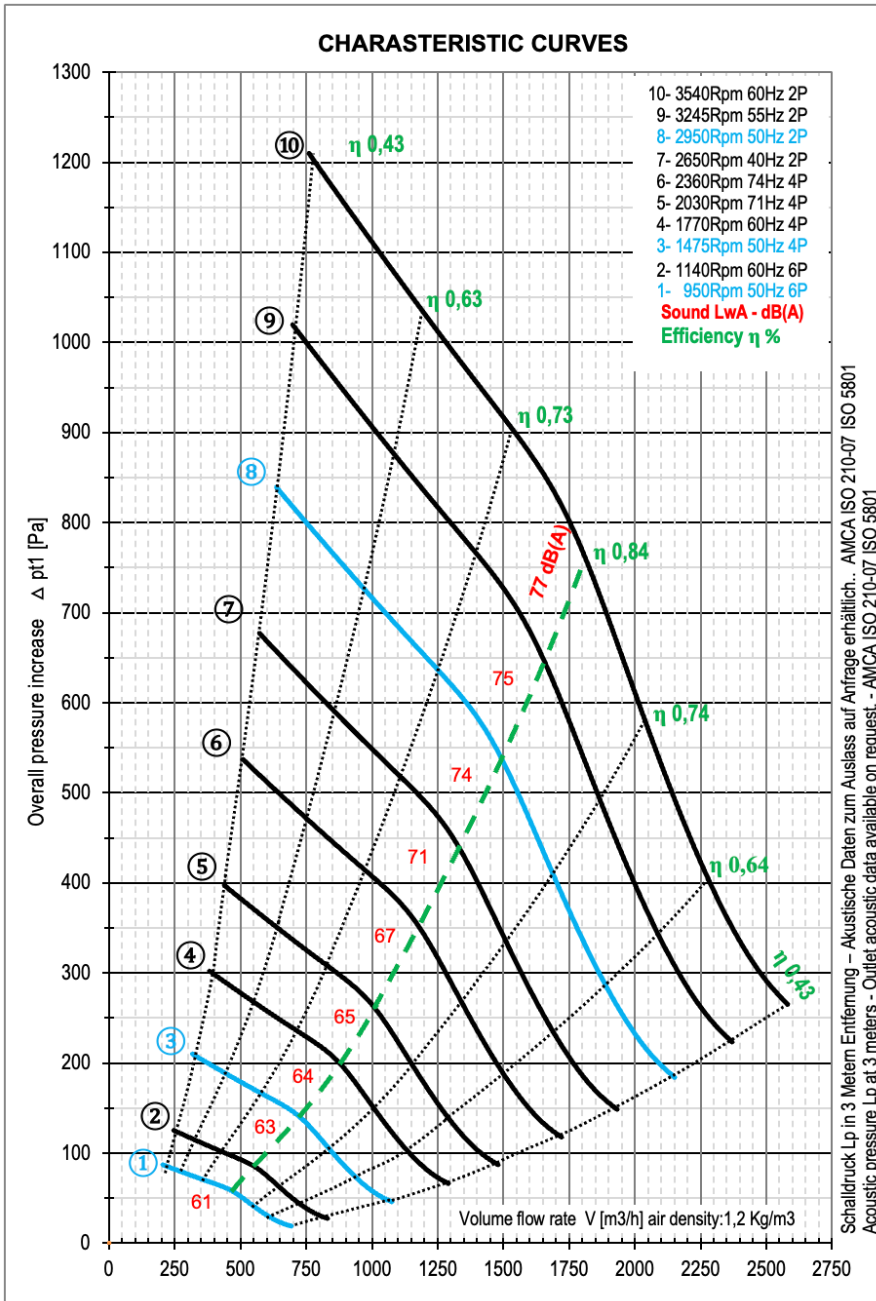
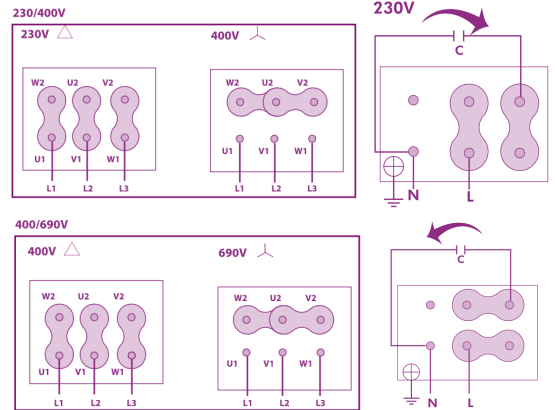
Atex Notification Certificat Number : IEP 22 ATEX N 406  
 CE Type Examination Number : IEP 16 ATEX 0402X  
 Product Quality Assurance Notification : IEP 25 ATEX Q1643  
**Modified Body Number : 2284**  
**ATEX 2014/34/EU - EN 14986 : 2007**  
 EN 60079-0 : 2012 - EN 13463-1 : 2011  
**ZONE1 - ZONE 2**



Management System  
**ISO 9001:2015**  
 ID : 01 100 902038  
 www.tuv.com



New reinforced backward curved Aerofoil impeller



Model	Speed Rpm	Freq Hz	Pw Kw	Lp dB(A)	Total Pressure $\Delta$ pt (Pa) / Volume Flow Rate (m3/h)														
					25	50	75	100	125	150	175	200	225	250	275	300	350		
RPD 25B/6/50..	① 950	50Hz	0,18	61	700	500	280												
RPD 25B/6/60..	② 1140	60Hz	0,18	62	850	700	600	480	280										
RPD 25B/4/50..	③ 1450	50Hz	0,37	63		1100	950	850	750	650	550	400							
RPD 25B/4/60..	④ 1770	60Hz	0,37	64			1250	1100	1050	1000	925	850	650	600	530	350			
RPD 25B/4/71..	⑤ 2030	71Hz	0,37	65				1500	1400	1350	1300	1225	1125	1090	1050	1000	900	650	

Model	Speed Rpm	Freq Hz	Pw Kw	Lp dB(A)	Total Pressure $\Delta$ pt (Pa) / Volume Flow Rate (m3/h)														
					150	175	200	250	300	400	500	600	700	800	900	1000	1100		
RPD 25B/4/74..	⑥ 2350	74Hz	0,37	67	1690	1580	1500	1400	1250	1000	600								
RPD 25B/2/40..	⑦ 2650	40Hz	0,37	71	1900	1830	1750	1690	1600	1450	1180	850							
RPD 25B/2/50..	⑧ 2950	50Hz	0,37	74			2150	2100	2000	1880	1700	1575	1400	1050	750				
RPD 25B/2/55..	⑨ 3250	55Hz	0,37	75				2400	2250	2150	2000	1850	1700	1600	1300	1000	750		
RPD 25B/2/60..	⑩ 3540	60Hz	0,37	77					2500	2250	2150	2000	1850	1750	1500	1250	1000		

(Direct Coupled) 1,3 and 8 operating points products without speed adjuster

(Direktantrieb) 1,3 und 8 Betriebspunkte Produkte ohne Drehzahlsteller