



Ability to change the direction of air flow by turning the fan module\*



**Application**

Roof axial fan with vertical air discharge. Used in livestock facilities, poultry farms, warehouses and other rooms where a large amount of air exchange is required. The fans are characterized by high efficiency with low power consumption. Thanks to the use of vertical air discharge, they are characterized by a low noise level (much quieter than horizontal discharge)

Fans designed for continuous operation in difficult conditions. Standard fans adapted to work at temperatures up to +55°C. High temperature version on request.

These fans, due to their low weight, are often used on roofs made of sandwich panels. The construction of the fans allows free air flow, thanks to which they can also be used as gravitational ventilators in the case of rooms where high tightness of the installation is not required.\*\*

**Construction**

The fan housing is made of steel sheet covered with polyester using the furnace method (hot-dip galvanized, chromium-nickel on request). Impellers - plastic type nylon (DWR-25÷DWR-56A) or steel (DWR-56B÷DWR-80). Fans designed for continuous operation in difficult conditions.

IP55 single or three-phase motors of IP66 class (up to 0.55kW inclusive), other IP55 motors adapted to speed regulation.

*In the case of high-speed fans (2800 rpm), it is recommended to control them with a frequency converter (SX,SXE). Standard fan in the exhaust version.*

**Dimensions:**

Type	ØD	ØD1	ØA	B	n x Ød
	[mm]	[mm]	[mm]	[mm]	[mm]
DWR - 25	250	275	400	500	4x9,5
DWR - 31	315	352	500	500	8x9,5
DWR - 35	355	392	560	530	8x9,5
DWR - 40	400	438	630	560	8x9,5
DWR - 45	450	488	700	590	8x9,5
DWR - 50	500	538	785	640	8x9,5
DWR - 56	560	600	880	710	12x9,5
DWR - 63	630	670	990	810	12x9,5
DWR - 71	710	750	1115	880	12x9,5
DWR - 80	800	840	1260	990	16x9,5

\*On request, for an additional fee, the fans are made in a typical air supply version (additional roofing).

\*\* In the case of facilities requiring high tightness, ventilation systems should be equipped with a drip tray or other condensate drainage system.

**Technical data:**

Typ	Efficiency MAX	Pressure MAX	Input power	Highest speed	Rated Current **		Noise*	Weight
	[m <sup>3</sup> /h]	[Pa]	[kW]	[obr./min]	1x230V [A]	3x400V [A]	[dB(A)]	[kg]
DWR - 31/4	1780	60	0,18	1400	1,3	0,9	60	30
DWR - 35/4	2700	75	0,18	1400	1,3	0,9	62	33
DWR - 40/4	3600	80	0,25	1400	2,1	0,9	62	35
DWR - 45/4	5100	140	0,37	1400	2,6	1,2	64	44
DWR - 50A/4	6000	175	0,25	1400	2,1	0,9	65	47
DWR - 50B/4	7800	230	0,75	1400	4,7	2,2	69	68
DWR - 56A/4	7300	220	0,37	1400	2,6	1,2	65	69
DWR - 56C/4	12500	240	1,10	1400	6,5	3	70	74
DWR - 63B/4	15700	250	1,50	1400	9,3	3,4	73	105
DWR - 71/4	18100	265	2,20	1400	-	4,8	75	155
DWR - 80A/4	27000	560	4,00	1400	-	8,1	77	184
DWR - 80B/4	29000	580	5,50	1400	-	10,9	79	184
DWR - 56A/6	6700	100	0,25	900	1,9	2,3	60	74
DWR - 63A/6	8000	125	0,37	900	2,77	2,1	64	96
DWR - 71/6	11700	150	0,75	900	-	2,1	67	145
DWR - 80B/6	14500	150	1,10	900	-	2,9	68	172
DWR - 25/2	1900	110	0,25	2800	1,65	0,9	61	27
DWR - 31/2A	3200	170	0,37	2800	2,46	1,05	69	33
DWR - 31/2B	3950	225	0,75	2800	4,5	1,7	72	35
DWR - 35/2A	5000	240	0,55	2800	3,6	1,4	74	33
DWR - 35/2B	5500	280	1,1	2800	6,9	2,45	76	36
DWR - 40/2A	6800	290	1,5	2800	-	3,3	78	40
DWR - 40/2B	8400	370	2,2	2800	-	4,6	81	41
DWR - 45/2A	10600	500	2,2	2800	-	4,6	83	46
DWR - 50/2A	13600	575	3,0	2800	-	6	85	52

\*\*Guide values, may change the application depending on the motor used \*Measurement at a distance of 4m  
Rated currents are given on the rating plate and in the operating instructions.







