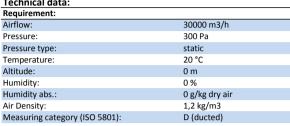
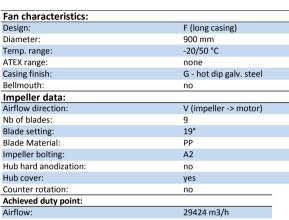
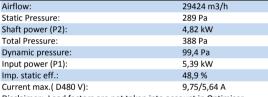
## Fan designation: DN90V-6DF.H7.19.G9



General information:					
Customer:	Ventos				
Customer project:	-				
Date:	16-jun-2017				
Contact ZIEHL-ABEGG:	Romain BIGNOLLES				
Subsidiary:	Ziehl-Abegg Germany				
ZIEHL-ABEGG reference number:	M14-429				
Technical data:					
Requirement:					
Airflow:	30000 m3/h				
Pressure:	300 Pa				
Proceure type:	static				





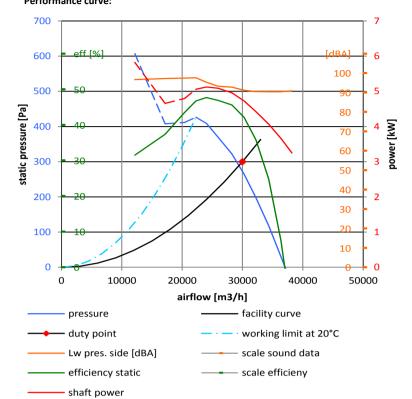


Disclaimer: Load factors are not taken into account in Optimiser.

Electrical data may change. Rated current could vary +/-10%.

The motor data in the operating point of the fan may vary.

## Performance curve:



Motor information - Rating plate data:					
Brand:	SIEMENS				
ATEX range:	none				
Size:	132MA				
Shaft power (P2):	4,55 kW				
Supply:	D480 V   3~   60Hz				
Design:	IM B3				
Current:	8,00 A				
Eff. (100%):	0,895 (IE3)				
Power factor:	0,77				
Rated speed:	1175 /min (6 pole)				
Deg. of protection:	IP55				
Thermal class:	THCL 155				
Temp.range:	-20/40 °C				
Motor protection:	PTC				

Max current is informative, and should be use as a guideline only. Calculated at min. temperature -20°C

Our motors meet or exceed the efficiency levels defined by the EISA of 2007 in the USA, NRC in Canada and IEC 60034-30 in Europe.

Sound data:									
90,9									
91,9									
Suction side: 73,4									
Pressure side: 74,3									
63	125	250	500	1k	2k	4k	8k	16k	
52	78	79,6	85,6	85,3	84,4	79,2	69,1	60,6	
52,2	78,3	77,8	87,3	85,7	85,1	81,3	72,7	62,4	
75,8	92,4	86,9	88,6	85,3	83,2	78,1	69,9	66,3	
76,4	92,7	85,1	90,2	85,8	84	80,3	73,5	68,1	
	91,9  73,4 74,3  63  52  52,2  75,8	73,4 74,3 63 125 52 78 52,2 78,3 75,8 92,4	91,9 73,4 74,3 63 125 250 52 78 79,6 52,2 78,3 77,8 75,8 92,4 86,9	91,9  73,4  74,3    63   125   250   500     52   78   79,6   85,6     52,2   78,3   77,8   87,3     75,8   92,4   86,9   88,6	91,9  73,4  74,3    63   125   250   500   1k   52   78   79,6   85,6   85,3   52,2   78,3   77,8   87,3   85,7   75,8   92,4   86,9   88,6   85,3	91,9  73,4  74,3    63   125   250   500   1k   2k     52   78   79,6   85,6   85,3   84,4     52,2   78,3   77,8   87,3   85,7   85,1     75,8   92,4   86,9   88,6   85,3   83,2	91,9  73,4  74,3    63   125   250   500   1k   2k   4k     52   78   79,6   85,6   85,3   84,4   79,2     52,2   78,3   77,8   87,3   85,7   85,1   81,3     75,8   92,4   86,9   88,6   85,3   83,2   78,1	91,9  73,4  74,3    63   125   250   500   1k   2k   4k   8k     52   78   79,6   85,6   85,3   84,4   79,2   69,1     52,2   78,3   77,8   87,3   85,7   85,1   81,3   72,7     75,8   92,4   86,9   88,6   85,3   83,2   78,1   69,9	

Noise calculation are at actual duty point.

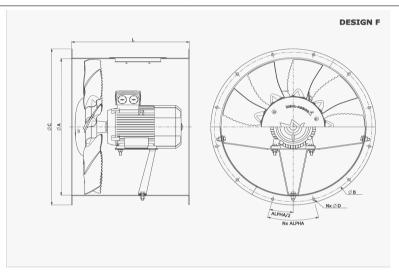
Disclaimer: Sound data is calculated and should be used as a guideline only.

ZIEHL-ABEGG SE Heinz-Ziehl-Straße 74653 Künzelsau - Germany +49 7940 16-0 info@ziehl-abegg.de http://www.ziehl-abegg.com

## Fan description:

Circular axial fan, made of a casing, 2 motor support brackets, an impeller and a motor. Casing long manufactured from galvanized steel. The brackets and motor supports are in the same material, and have the same finish as the casing. This finish corresponds to our level of corrosion protection standard which is equivalent to a protection C3-L according to the norm ISO 12944. This classification is given as a guide only as it is intended for structural steel and cannot apply to fans. The fan incorporates inlet and outlet flanges with pre-drilled bolt holes, conform to Eurovent. The impeller is made of 9 blades of PP mounted on an aluminum hub. Bolting of the impeller is in stainless steel A2.





ØΑ	ØΒ	ØС	Ød	L	N	ALPHA
900	970	1000	12	650	16	22,5

Drawing is showing standard configuration. Possible deviations are:

number of blades, position of terminal box, hub cover, blade orientation, (non exhaustive list).

	, , , ,
Fan additional data:	
Use of VSD:	no
Painting:	no
External term. box:	no
Brass ring:	no
Holes(s):	no
Cable gland(s):	no
Cutted flange:	no
Fan bolting:	standard
Stainless st. plate:	no
Second nameplate:	no
Certificate:	none
Other:	-

ErP 327-2011 for selected curve:						
Frequency:	60 Hz					
Efficiency class:	IE3					
Motor size:	132MA					
Motor rated power:	4,55					
Motor polarity:	6					
Overall fan eff. (%):	46,1					
Target efficiency grade:	40					
Nominal grade (without VSD):	48,9					
Measurement cat.:	A					
Efficiency category:	static					
Variable speed drive:	no					
Input power at BEP:	5,59 kW					
Airflow at BEP:	23382 m3/h					
Stat. pressure at BEP:	397 Pa					

Mo	tor	additional	data:
_			

iviotor additional data:	
Pre-heater:	no
Tropicalisation:	no
Drain-holes:	no
Stainless st. plate:	no
Canopy cover:	no
Regreas.nipple:	no
Second nameplate:	no
Self-ventilation:	yes
Located bearings:	no
Material:	-
Certificate:	none
UL-CSA:	UL/CSA
Option 1:	-
Option 2:	-

Gu	ard	grill	s infl	luence	2:
	-				

Mesh grill impeller side:	10mm
Mesh grill motor side:	20mm
Pressure loss imp. side:	24,8 Pa
Pressure loss mot. side:	24,8 Pa
Influence on sound power, both sides:	+1dB