

## Circulation fan data

23.11.2016

version AMCA V 1.01 May, 2015 / | 43516 | (user ZAFS33516)



type	BLW27034
article no.	114922/H01   Portfolio STD-WW

## technical data

motor	ECblue	
mains supply	-	3~ 460V 60Hz
ambient temperature, max. limit ( $t_a$ )	°C	40
efficiency $\eta_{statA}$	%	68,4
efficiency $N_{actual}$   $N_{target}$	%	72,9   62
ErP-conformity	2015   EC controller integrated	
grille   influence	no   no	

## fan data

SFP-class   SFP-value ( $P_{SFP}$ )	-   $Ws/m^3$	4   1583
airflow volume ( $q_v$ )	$ft^3/min$	4000.0
pressure, stat. ( $p_{sF}$ )   tot. ( $p_F$ )	in.wg.   Pa	3.290   964
electrical power input ( $P_{sys}$ )	W	2988
system eff., stat. ( $\eta_{sF,sys}$ )   tot. ( $\eta_{F,sys}$ )	%	51.8   60.9
fan speed ( $n$ )   max. ( $n_{max}$ )	1/min	3351   3400
fan speed, set value ( $\%n_{max}$ )	%	99
frequency ( $f_{BP}$ )   ( $f_{max}$ )	Hz	60   60
voltage ( $U_{DP}$ )	V	460
current ( $I_{DP}$ )	A	3.96
acoustics, suction side ( $L_{w(A),5}$ )   ( $L_{w,5}$ )	dB	87   91
acoustics, pressure side ( $L_{w(A),6}$ )   ( $L_{w,6}$ )	dB	94   96
dimensions (w x h x d)	mm	500 x 500 x 363
product weight ( $m_{pr}$ )	kg	21
k-factor nozzle pres. (k)	-	121
differential pres. nozzle ( $p_{sF nozzle}$ )	Pa	3155

## nominal values

3~ 380-480V 50Hz P1 3.70kW  
 5.80-4.60A 3400/MIN 40°C  
 3~ 380-480V 60Hz P1 3.70kW  
 5.80-4.60A 3400/MIN 40°C  
 IP54 THCL155



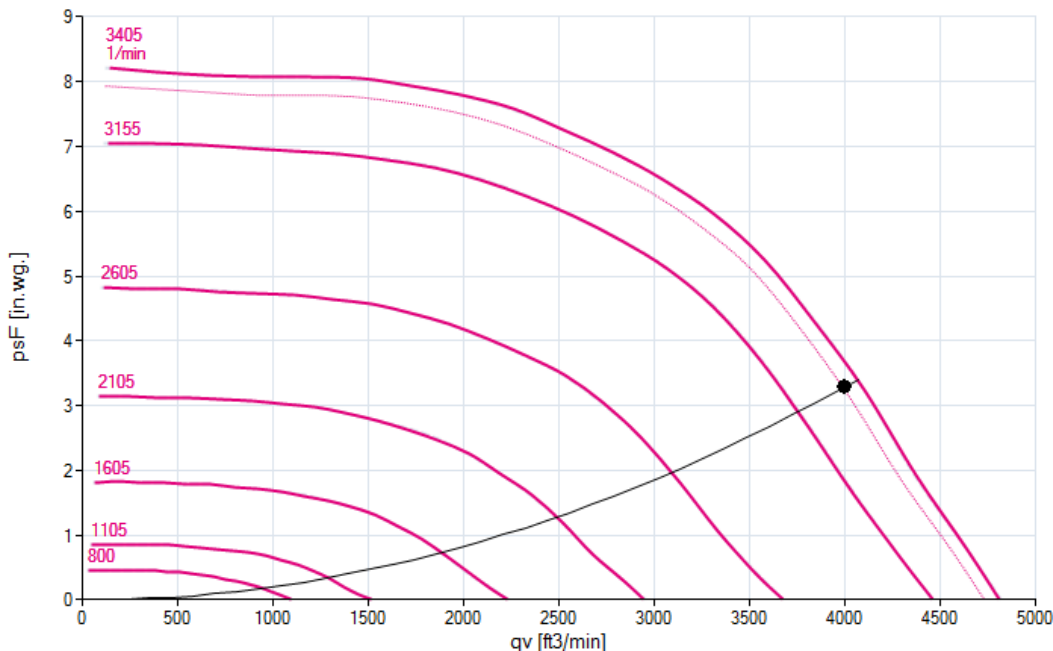
performance curve / acoustics

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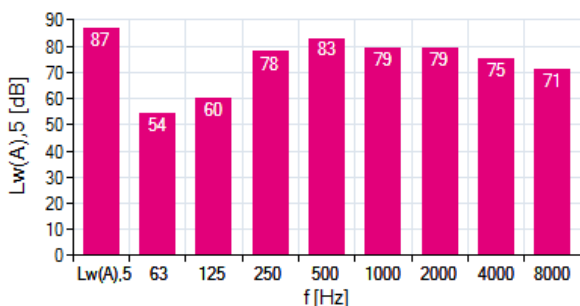
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- 1 **BLW27034** measured in standard nozzle in installation type A according to ISO 5801  
 114922/H01 | Portfolio measurement density 1.16 [kg/m³]  
 STD-VWV

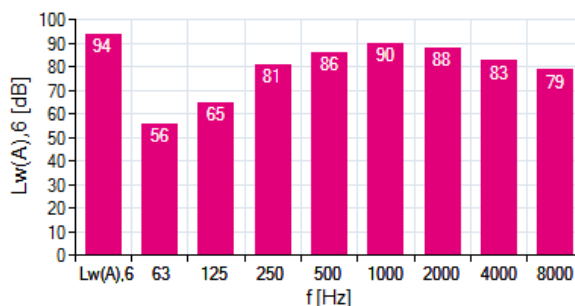
air performance  $p_{sF}$



acoustics ( $L_{w(A),5}$ )



acoustics ( $L_{w(A),6}$ )



1 GR35C-ZID.DG.CR

f [Hz]	sum	63	125	250	500	1000	2000	4000	8000
$L_{w(A),5}$	87	54	60	78	83	79	79	75	71
$L_{w,5}$	91	81	76	85	87	79	78	74	72

f [Hz]	sum	63	125	250	500	1000	2000	4000	8000
$L_{w(A),6}$	94	56	65	81	86	90	88	83	79
$L_{w,6}$	96	82	80	88	90	90	87	82	80