

max. 133 m³/h

DC axial fans

Series 3300 N 92 x 92 x 32 mm

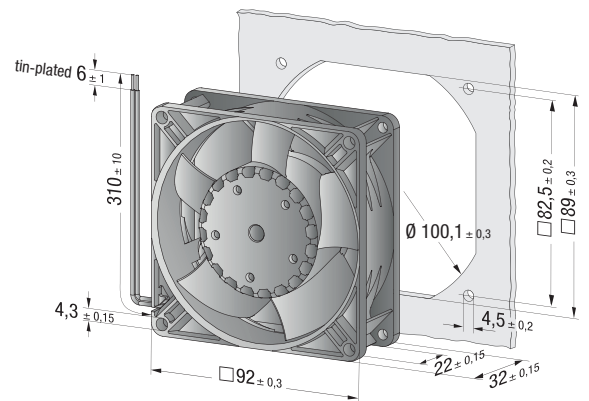
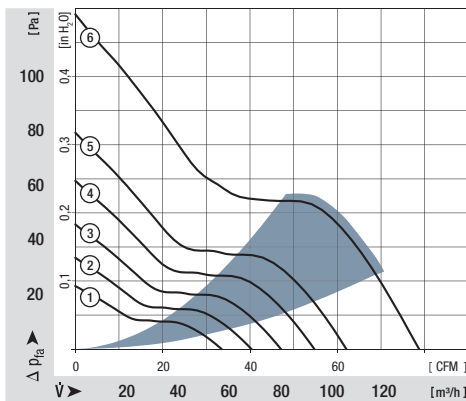


- **Material:** Housing: GRP¹⁾ (PBT)
Impeller: GRP¹⁾ (PA)
 - **Direction of air flow:** Exhaust over struts
 - **Direction of rotation:** Clockwise, seen on rotor
 - **Connection:** Via single wires AWG 24
UL 1061, TR 64
 - **Mass:** 190 g
- **Possible special versions:**
(See chapter DC fans - specials)
 - Speed signal
 - Go / No-go alarm
 - External temperature sensor
 - Internal temperature sensor
 - PWM control input
 - Analogue control input
 - Protection against moisture
 - Protection against salt fog
 - Type of protection: IP 54 / IP 68

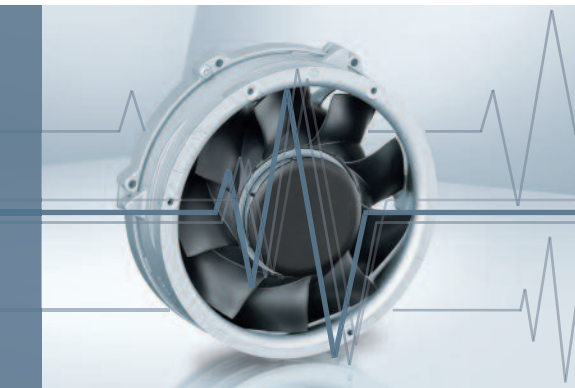
1) Fibreglass-reinforced plastic

Nominal data		Air flow	Air flow	Nominal voltage	Voltage range	Sound pressure level	Sound power level	Sintec sleeve bearings Ball bearings	Input power	Nominal speed	Temperature range	Service life L ₁₀ (40 °C) ebm-papst Standard	Service life L ₁₀ (T _{max}) ebm-papst Standard	Life expectancy L ₁₀ (IPC (40 °C) see page 17	Curve
Type		m ³ /h	CFM	VDC	VDC	dB(A)	Bel(A)	■ / ■	Watts	rpm	°C	Hours	Hours		
NEW 3312 NL		56	33	12	6...15	24	4,1	■	0,8	1 850	-20...+75	80 000 / 35 000	135 000	①	
NEW 3312 NM		68	40	12	6...15	29	4,5	■	1,3	2 250	-20...+75	70 000 / 30 000	117 500	②	
NEW 3312 NN		80	47	12	6...15	35	4,7	■	1,8	2 650	-20...+75	70 000 / 30 000	117 500	③	
NEW 3312 NH		93	54	12	6...15	38	5,1	■	2,8	3 050	-20...+75	65 000 / 27 500	110 000	④	
NEW 3312 NHH		107	63	12	6...15	42	5,4	■	3,4	3 450	-20...+75	57 500 / 25 000	97 500	⑤	
NEW 3312 NH3		133	78	12	6...14	50	6,0	■	6,7	4 350	-20...+70	50 000 / 25 000	85 000	⑥	
NEW 3314 NN		80	47	24	18...28	35	4,7	■	1,8	2 650	-20...+75	70 000 / 30 000	117 500	③	
NEW 3314 NH		93	54	24	18...28	38	5,1	■	2,6	3 050	-20...+75	65 000 / 27 500	110 000	④	
NEW 3314 NHH		107	63	24	18...28	42	5,4	■	3,5	3 450	-20...+75	57 500 / 25 000	97 500	⑤	
NEW 3314 NH3		133	78	24	18...28	50	6,0	■	6,7	4 350	-20...+75	50 000 / 22 500	85 000	⑥	
NEW 3318 NN		80	47	48	36...60	35	4,7	■	1,8	2 650	-20...+75	70 000 / 30 000	117 500	③	
NEW 3318 NH		93	54	48	36...60	38	5,1	■	3,5	3 050	-20...+75	65 000 / 27 500	110 000	④	
NEW 3318 NH3		133	78	48	36...58	50	6,0	■	6,5	4 350	-20...+75	50 000 / 22 500	85 000	⑥	

Subject to alternations

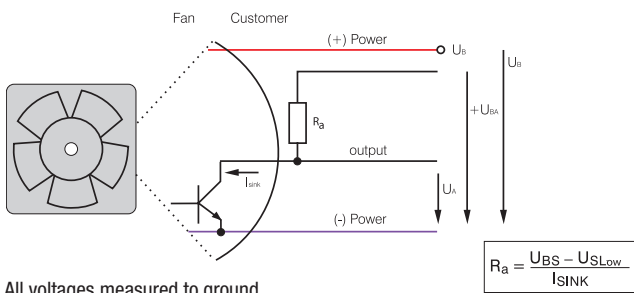


Speed signal /2



- Speed-proportional, square-wave signal for external monitoring of the fan motor speed
- 2, 3, or 6 pulses per revolution
- Open-collector signal output
- Extremely wide operating voltage range
- Easy adaptation to user interface
- Connection via separate cable
- The sensor signal also serves as a major comparison variable for setting and maintaining the setpoint speed for interactive or controlled cooling with one or more interconnected fans.

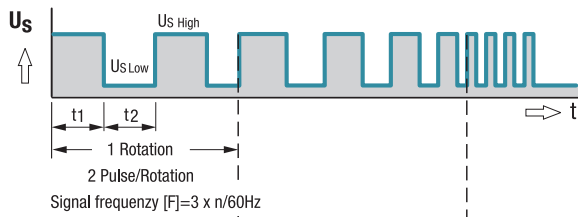
Electrical hookup



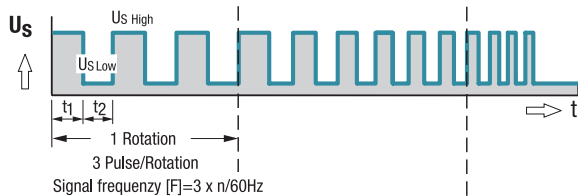
All voltages measured to ground.
External load resistor $R_a / U_S / U_{BS}$ required.

Signal output voltage

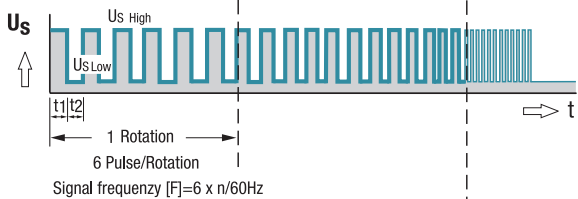
Standard signal for all models (exceptions see below)



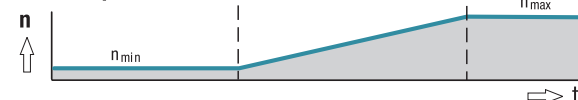
For multi options control input and 4100 NH7 and NH8



All TD Fans e.g. 6300 TD



Fan speed



Signal data	Speed signal	Condition:	Speed signal	Condition:	Tach operating	Admissible sink current	Pulses per revolution	Fan description
	$U_{S\text{ Low}}$	I_{sink}	$U_{S\text{ High}}$	I_{source}	voltage $U_{BS\text{ max}}$	$I_{\text{sink max}}$		Basic type
Type	VDC	mA	VDC	mA	VDC	mA	Page	
250	≤ 0.4	2	≤ 30	0	30	2	2	31
400 F	≤ 0.4	1	≤ 30	0	30	2	2	32
400	≤ 0.4	1	≤ 30	0	30	2	2	33
420 J	≤ 0.4	2	≤ 15	0	15	4	2	34
500 F	≤ 0.4	1	≤ 30	0	30	2	2	35
600 F	≤ 0.4	1	≤ 30	0	30	2	2	36
620	≤ 0.4	2	≤ 30	0	30	4	2	37
630 U	≤ 0.4	2	≤ 30	0	30	4	2	38
600 N	≤ 0.4	2	≤ 28	0	28	4	2	39
600 J	≤ 0.4	2	≤ 30	0	30	4	2	41
700 F	≤ 0.4	2	≤ 30	0	30	4	2	42
8450	≤ 0.4	2	≤ 28	0	28	4	2	43
8400 N	≤ 0.4	2	≤ 28	0	28	4	2	44
8400 N VARIOFAN	≤ 0.4	2	≤ 30	0	30	4	2	45
8300	≤ 0.4	2	≤ 30	0	30	4	2	46
8200 J	≤ 0.4	2	≤ 30	0	30	4	2	47
3400 N	≤ 0.4	2	≤ 28	0	28	4	2	48
3400 N VARIOFAN	≤ 0.4	2	≤ 30	0	30	4	2	49
3300 N	≤ 0.4	2	≤ 30	0	30	4	2	50
3212 J / 3214 J	≤ 0.4	2	≤ 30	0	30	4	2	51
3218 J	≤ 0.4	2	≤ 60	0	60	4	2	51
3250 J	≤ 0.4	2	≤ 60	0	60	4	3	52
4412 F / 4414 F	≤ 0.4	2	≤ 30	0	30	4	2	53
4418 F	≤ 0.4	2	≤ 60	0	60	4	2	53
4400 FN	≤ 0.4	2	≤ 30	0	30	4	2	55
4312 / 4314	≤ 0.4	2	≤ 30	0	30	4	2	56
4318	≤ 0.4	2	≤ 60	0	60	4	2	56
4312 / 4314 VARIOFAN	≤ 0.4	2	≤ 30	0	30	4	2	57
4318 VARIOFAN	≤ 0.4	2	≤ 60	0	60	4	2	57
4400	≤ 0.4	2	≤ 30	0	30	4	2	58/59
4100 N	≤ 0.4	2	≤ 30	0	30	4	2	60
4100 NHH...NH6	≤ 0.4	2	≤ 60	0	60	10	2	61
4100 NH7...NH8	≤ 0.4	2	≤ 60	0	60	20	3	62
DV 4100	≤ 0.4	2	≤ 30	0	30	4	2	63
5200 N	≤ 0.4	2	≤ 30	0	30	4	2	64
DV 5200	≤ 0.4	2	≤ 30	0	30	4	2	65

Subject to change