

# FE2owlet

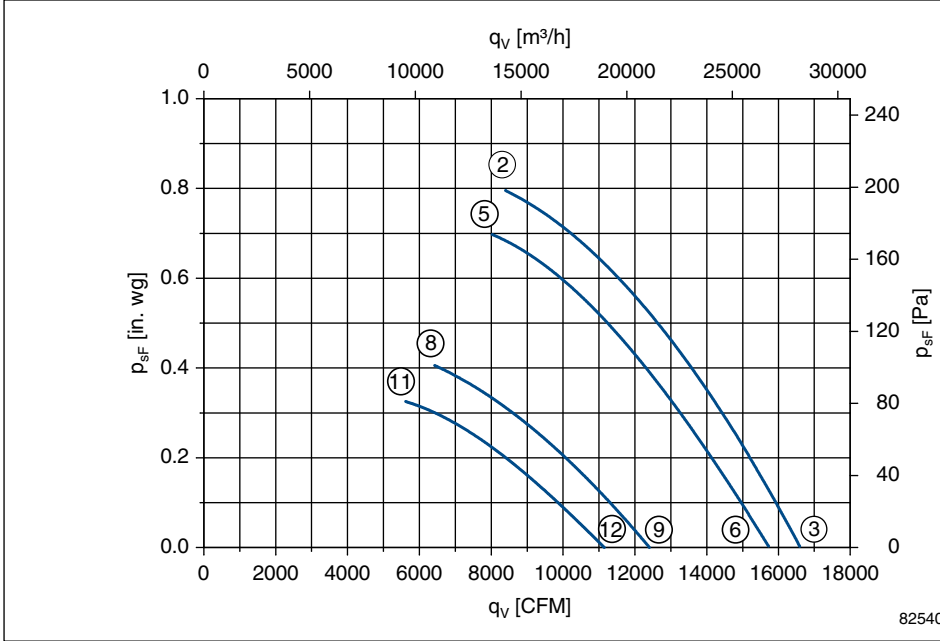
## FN080-SD\_.6N.V7

### Performance data

3~ 460V ±10% Δ/Y 60Hz

$P_1$	2.5/1.4	kW
$I$	4.2/2.2	A
$n$	990/710	rpm
$I_A$	9.5/3.2	A
$\Delta I$	0	%
$t_R$	55/131	°C/°F

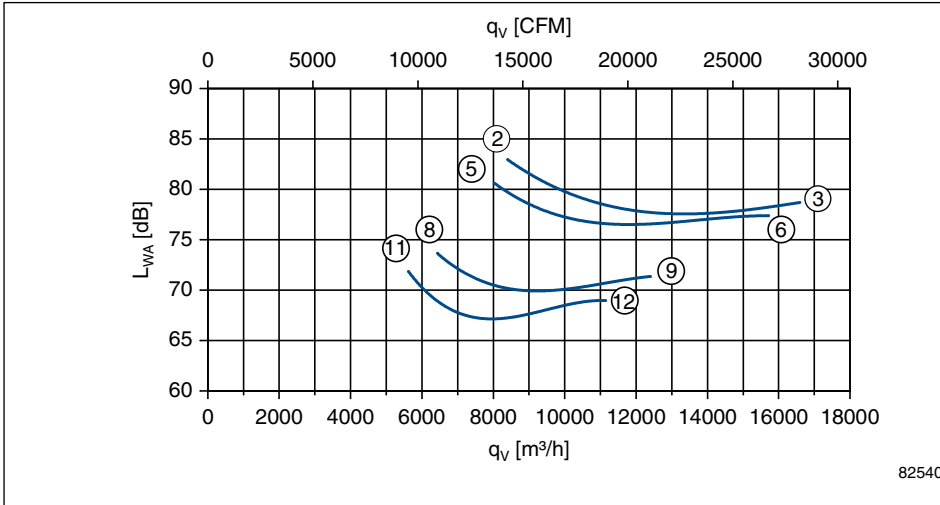
### Characteristic data



	U V	I A	P <sub>1</sub> W	n rpm
②	460	4.20	2500	990
③	Δ	3.80	2200	1030
⑤	400	4.10	2300	930
⑥	Δ	3.70	2000	970
⑧	460	2.20	1400	710
⑨	Y	2.00	1300	770
⑪	400	2.00	1150	640
⑫	Y	1.90	1070	690

$$p_{d2} = 1.86 \cdot 10^{-7} \cdot q_v^2$$

measured in full bell mouth without guard grille in installation type A according to ISO 5801



### Dimension sheet

Type	Article no.	Design	Airflow direction	Weight		Connection diagram	Dimension sheet	Page
				kg	lbs			
FN080-SDA.6N.V7	153 155	A	V	29	63.9	108XA	L-KL-2600	82
FN080-SDS.6N.V7	153 173	S (R)*	V	36	79.4	108XA	L-KL-2601	83
FN080-SDQ.6N.V7	153 174	Q (R)*	V	51	112.4	108XA	L-KL-2602	84

\* (R) Ring grille

# FE2owlet

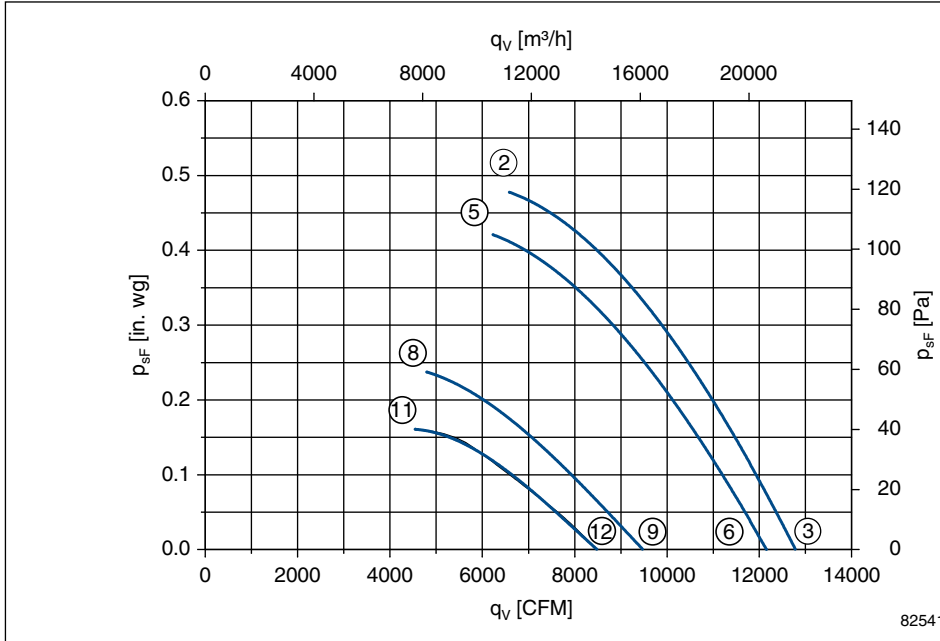
## FN080-AD\_.6N.V7

### Performance data

3~ 460V ±10% Δ/Y 60Hz

P <sub>1</sub>	1.2/0.63	kW
I	2.4/1.2	A
n	770/540	rpm
I <sub>A</sub>	6.0/2.0	A
ΔI	0	%
t <sub>R</sub>	70/158	°C/°F

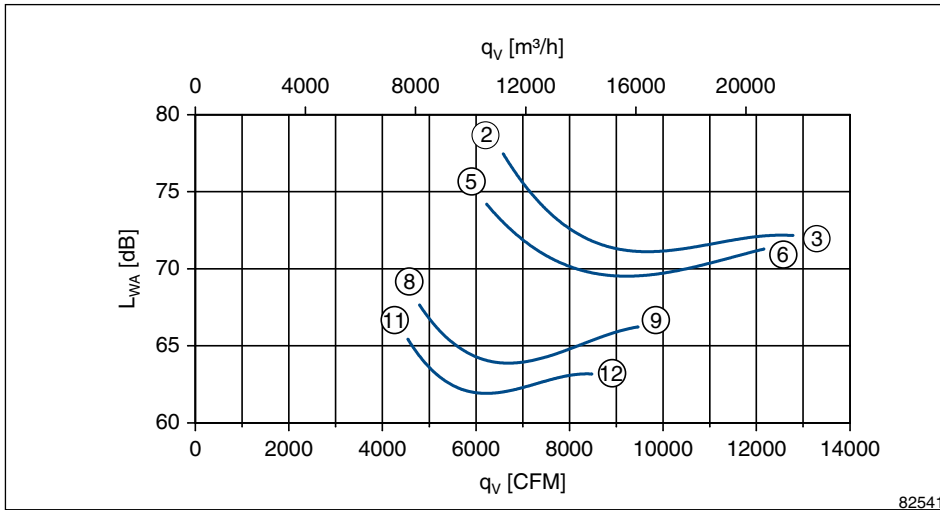
### Characteristic data



	U V	I A	P <sub>1</sub> W	n rpm
②	460	2.40	1200	770
③	Δ	2.30	1100	800
⑤	400	2.40	1100	720
⑥	Δ	2.20	990	760
⑧	460	1.20	630	540
⑨	Y	1.15	590	590
⑪	400	1.10	510	480
⑫	Y	1.05	480	530

$$p_{d2} = 1.86 \cdot 10^{-7} \cdot q_v^2$$

measured in full bell mouth without guard grille in installation type A according to ISO 5801



### Dimension sheet

Type	Article no.	Design	Airflow direction	Weight		Connection diagram	Dimension sheet	Page
				kg	lbs			
FN080-ADA.6N.V7	153 156	A	V	29	63.9	108XA	L-KL-2600	82
FN080-ADS.6N.V7	153 157	S (R)*	V	37	81.6	108XA	L-KL-2601	83
FN080-ADQ.6N.V7	153 121	Q (R)*	V	51	112.4	108XA	L-KL-2602	84

\* (R) Ring grille

# FE2owlet

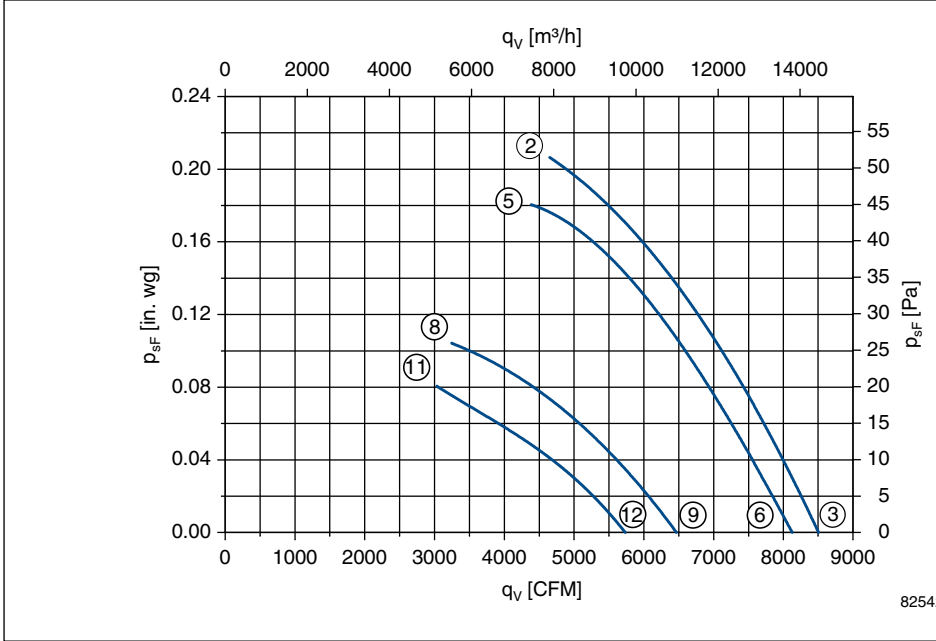
## FN080-ND\_.6F.V7

### Performance data

3~ 460V ±10% Δ/Y 60Hz

$P_1$	0.48/0.27	kW
$I$	1.0/0.46	A
$n$	510/370	rpm
$I_A$	1.6/0.5	A
$\Delta I$	0	%
$t_R$	70/158	°C/°F

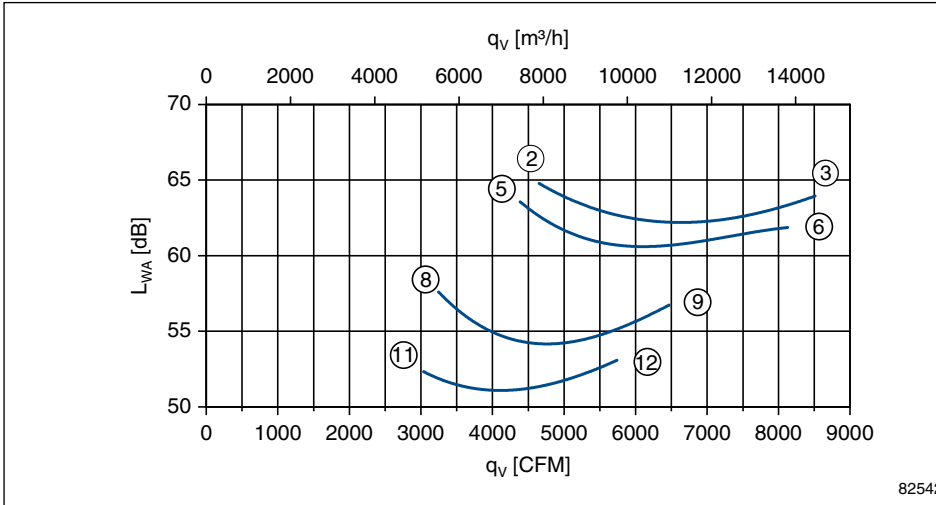
### Characteristic data



	U V	I A	P <sub>1</sub> W	n rpm
②	460	1.00	480	510
③	Δ	0.94	420	530
⑤	400	0.91	420	490
⑥	Δ	0.86	370	510
⑧	460	0.46	270	370
⑨	Y	0.44	250	400
⑪	400	0.43	210	320
⑫	Y	0.42	200	360

$$p_{d2} = 1.86 \cdot 10^{-7} \cdot q_v^2$$

measured in full bell mouth without guard grille in installation type A according to ISO 5801



### Dimension sheet

Type	Article no.	Design	Airflow direction	Weight		Connection diagram	Dimension sheet	Page
				kg	lbs			
FN080-NDA.6F.V7	160 403	A	V	21	46.3	108XA	L-KL-2600	82
FN080-NDS.6F.V7	160 405	S (R)*	V	29	63.9	108XA	L-KL-2601	83
FN080-NDQ.6F.V7	160 406	Q (R)*	V	43	94.8	108XA	L-KL-2602	84

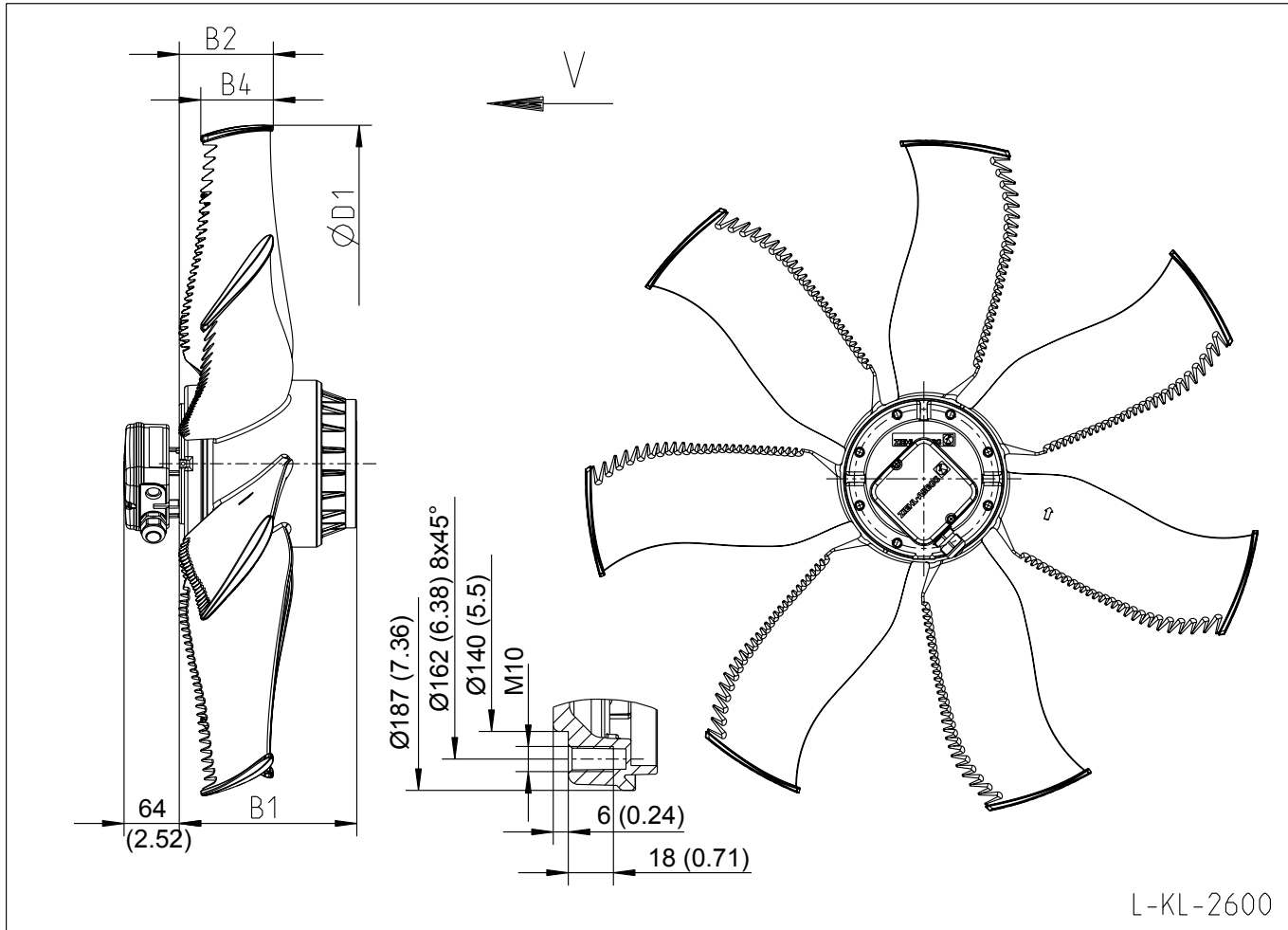
\* (R) Ring grille

# FE2owlet

**FN080- DA.6 .V7**

Airflow direction	<b>V</b>
Design	<b>A</b>
Material of impeller	Aluminium

**FN  
080**



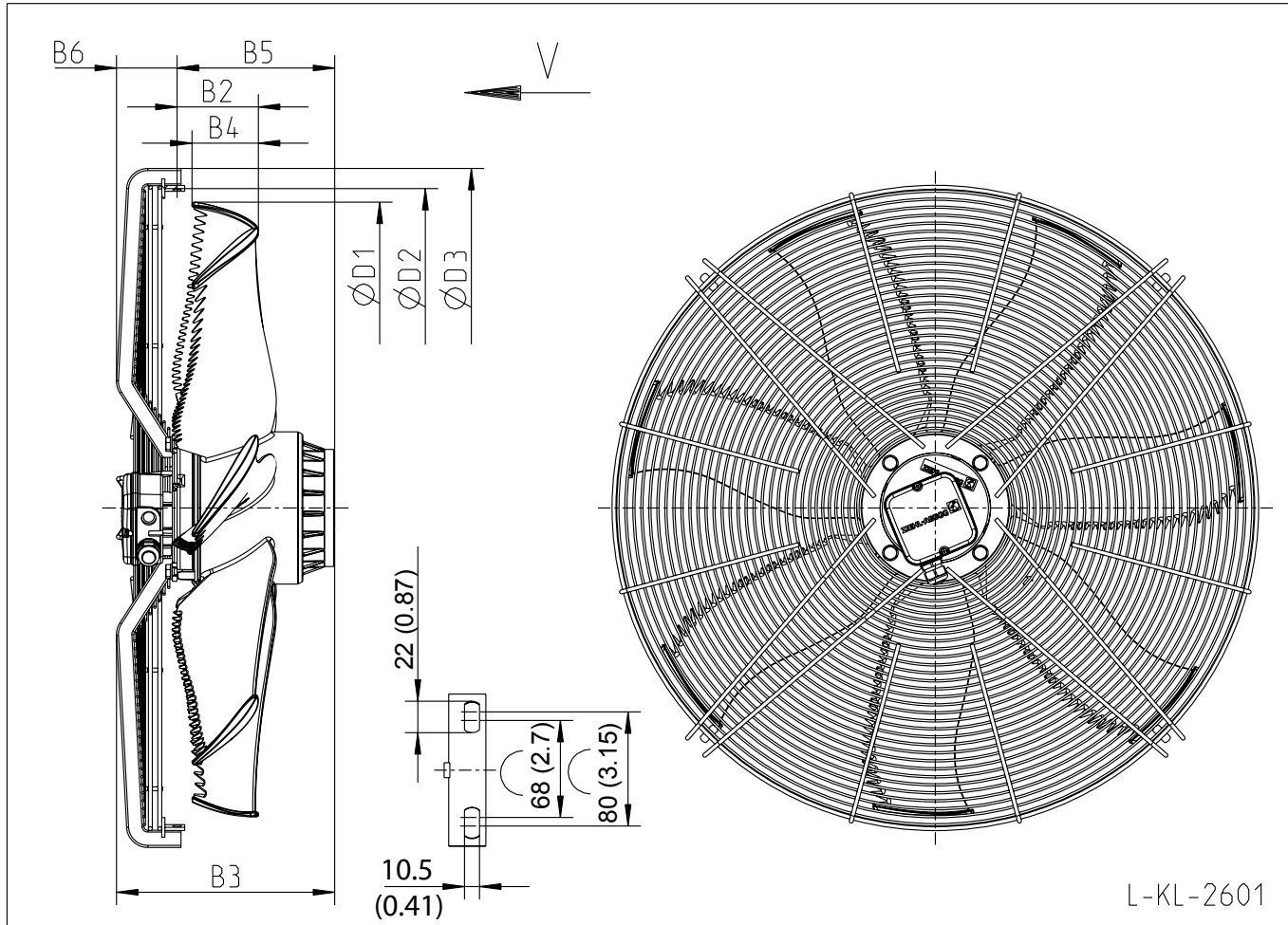
## L-KL-2600

Type	Article no.	B1		B2		B4		D1	
		mm	inch	mm	inch	mm	inch	mm	inch
<b>FN080-SDA.6N.V7</b>	<b>153 155</b>	207	8.15	109	4.29	84.5	3.33	788	31.02
<b>FN080-ADA.6N.V7</b>	<b>153 156</b>	207	8.15	109	4.29	84.5	3.33	788	31.02
<b>FN080-NDA.6F.V7</b>	<b>160 403</b>	157	6.18	109	4.29	84.5	3.33	788	31.02

# FE2owlet

**FN080- DS.6 .V7**

Airflow direction	<b>V</b>
Design	<b>S</b>
Material of impeller	Aluminium



**FN  
080**

## L-KL-2601

Type	Article no.	B2		B3		B4		B5		B6		D1		D2		D3	
		mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch
<b>FN080-SDS.6N.V7</b>	<b>153 173</b>	103	4.06	277	10.91	85	3.35	200	7.87	77	3.03	788	31.02	814	32.05	866	34.09
<b>FN080-ADS.6N.V7</b>	<b>153 157</b>	103	4.06	277	10.91	85	3.35	200	7.87	77	3.03	788	31.02	814	32.05	866	34.09
<b>FN080-NDS.6F.V7</b>	<b>160 405(R)*</b>	103	4.06	227	8.94	85	3.35	150	5.91	77	3.03	788	31.02	814	32.05	866	34.09

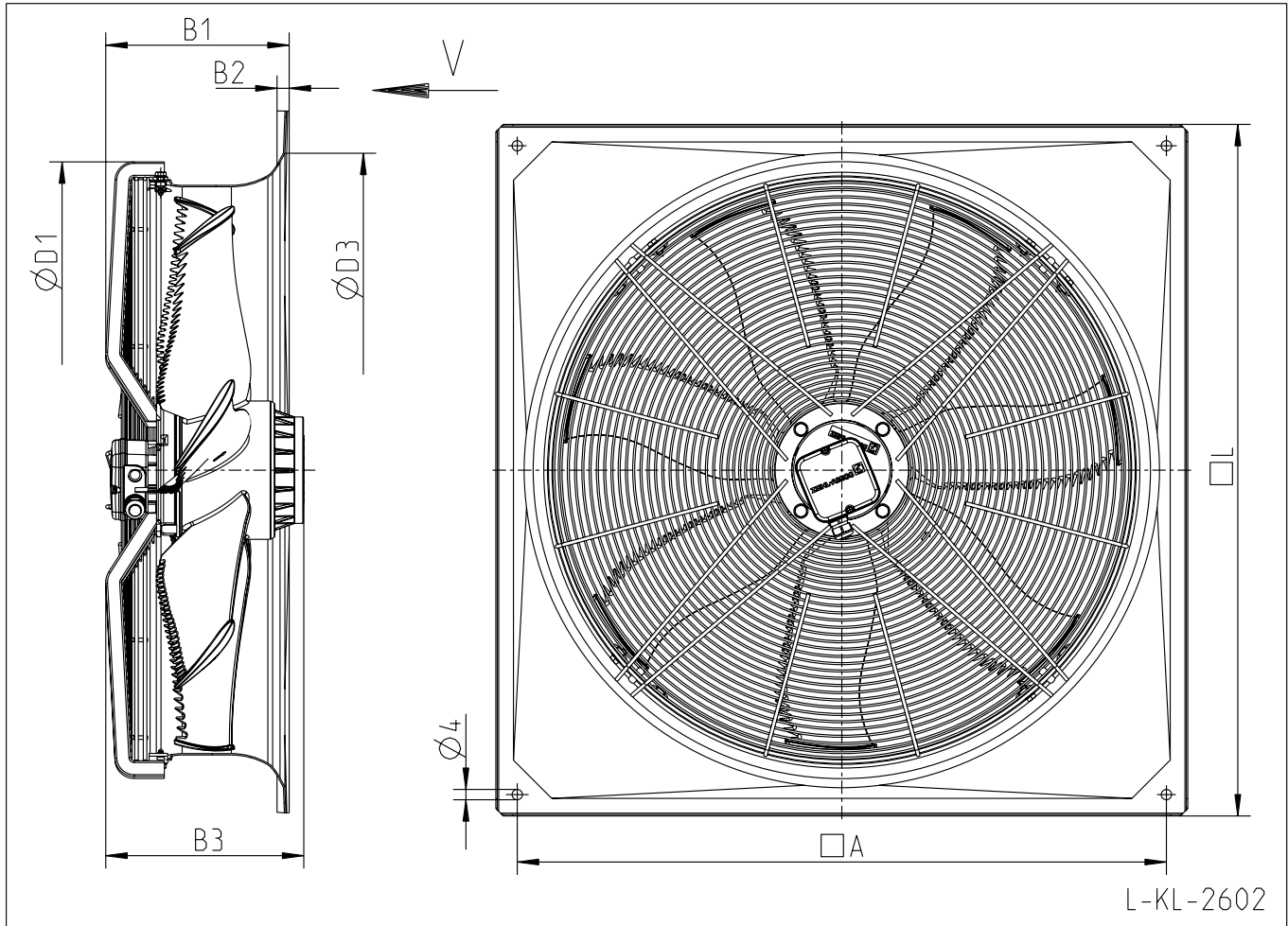
\*(R) Ring grille

# FE2owlet

**FN080- \_DQ.6\_ .V7**

Airflow direction	<b>V</b>
Design	<b>Q</b>
Material of impeller	Aluminium

**FN  
080**



## L-KL-2602

Type	Article no.	B1		B2		B3		D1		D3		D4		A		L	
		mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch
<b>FN080-SDQ.6N.V7</b>	<b>153 161</b>	257	10.12	17	0.67	277	10.91	866	34.09	890	35.04	14.5	0.57	910	35.83	970	38.19
<b>FN080-ADQ.6N.V7</b>	<b>153 121</b>	257	10.12	17	0.67	277	10.91	866	34.09	890	35.04	14.5	0.57	910	35.83	970	38.19
<b>FN080-NDQ.6F.V7</b>	<b>160 406 (R)*</b>	257	10.12	17	0.67	227	8.94	866	34.09	890	35.04	14.5	0.57	910	35.83	970	38.19

\*(R) Ring grille

# FE2owlet

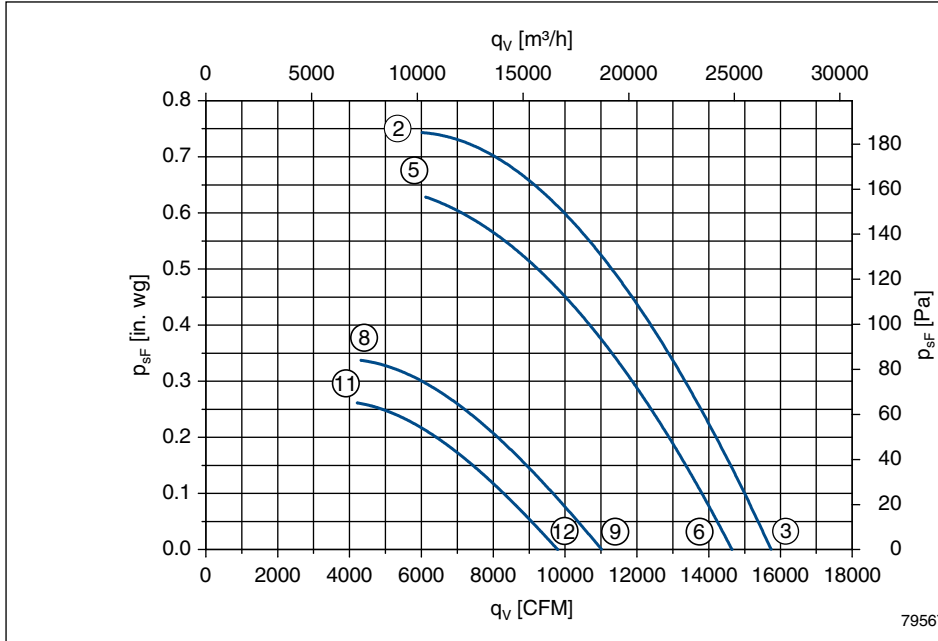
## FN080-SD\_.6N\_.7P2

### Performance data

3~ 460V ±10% Δ/Y 60Hz

$P_1$	2.5/1.15	kW
$I$	4.20/1.90	A
$n$	880/590	rpm
$I_A$	9.5/3.2	A
$\Delta I$	0	%
$t_R$	40/104	°C/°F

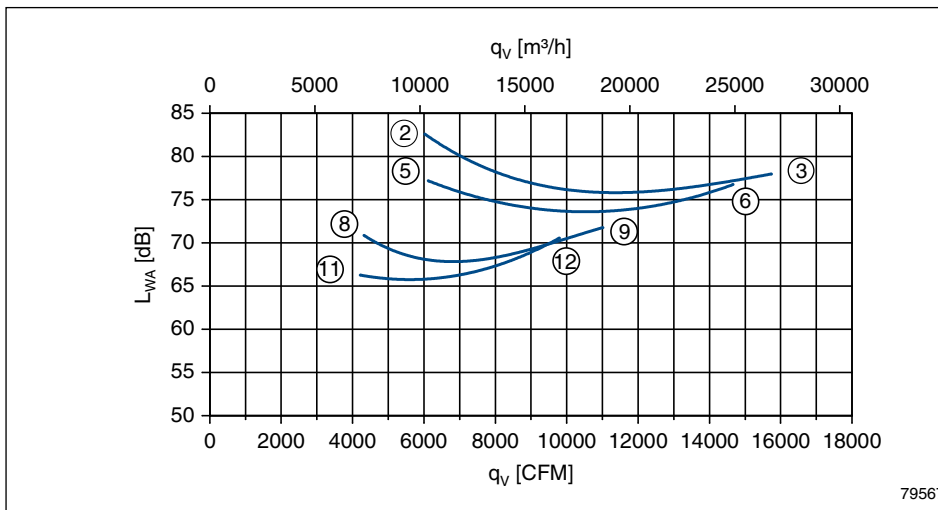
### Characteristic data



	U	I	P <sub>1</sub>	n
	V	A	W	rpm
②	460	4.20	2480	880
③	D	3.80	2110	950
⑤	400	4.00	2090	810
⑥	D	3.60	1830	880
⑧	460	1.90	1160	590
⑨	Y	1.75	1070	670
⑪	400	1.75	910	520
⑫	Y	1.65	860	600

$$p_{d2} = 1.86 \cdot 10^{-7} \cdot q_v^2$$

measured in full bell mouth without guard grille in installation type A according to ISO 5801



### Dimension sheet

Type	Article no.	Design	Airflow direction	Weight		Connection diagram	Dimension sheet	Page
				kg	lbs			
FN080-SDA.6N.V7P2	153 164	A	V	28	61.7	108XA	L-KL-2737	88
FN080-SDS.6N.V7P2	153 165	S	V	34	75.0	108XA	L-KL-2738	89
FN080-SDQ.6N.V7P2	153 166	Q	V	45	99.2	108XA	L-KL-2739	90

# FE2owlet

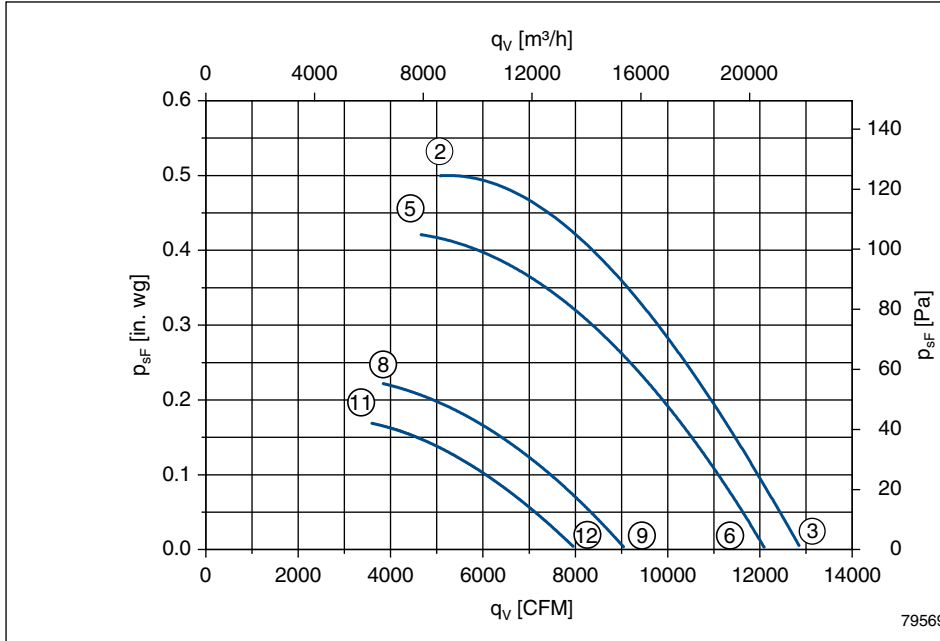
## FN080-AD\_.6N.V7P2

### Performance data

3~ 460V ±10% Δ/Y 60Hz

$P_1$	1.4/0.66	kW
$I$	2.8/1.25	A
$n$	730/490	rpm
$I_A$	6.0/2.0	A
$\Delta I$	0	%
$t_R$	65/149	°C/°F

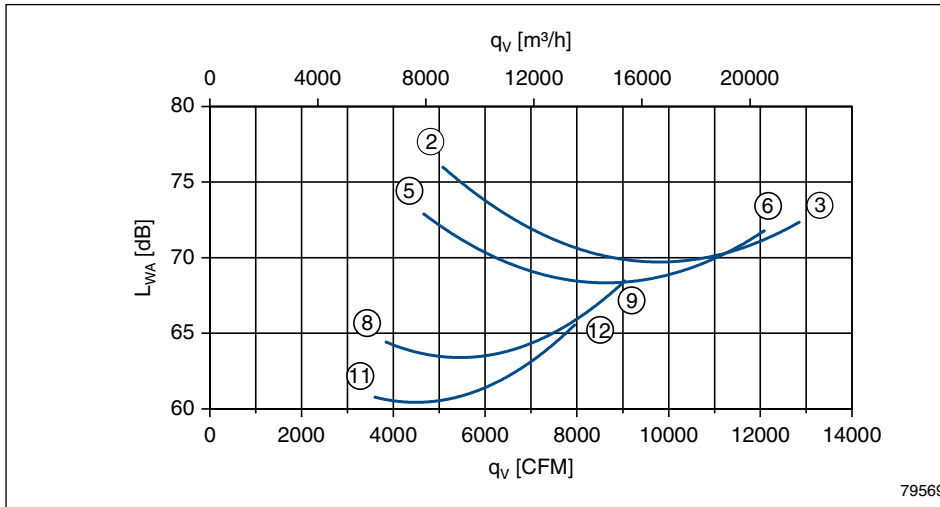
### Characteristic data



	U V	I A	$P_1$ W	n rpm
②	460	2.8	1400	730
③	Δ	2.4	1156	770
⑤	400	2.6	1200	670
⑥	Δ	2.3	1030	730
⑧	460	1.25	660	490
⑨	Y	1.2	620	550
⑪	400	1.1	520	430
⑫	Y	1.1	500	490

$$p_{d2} = 1.86 \cdot 10^{-7} \cdot q_v^2$$

measured in full bell mouth without guard grille in installation type A according to ISO 5801



### Dimension sheet

Type	Article no.	Design	Airflow direction	Weight		Connection diagram	Dimension sheet	Page
				kg	lbs			
FN080-ADA.6N.V7P2	153 158	A	V	28	61.7	108XA	L-KL-2737	88
FN080-ADS.6N.V7P2	153 162	S	V	34	75.0	108XA	L-KL-2738	89
FN080-ADQ.6N.V7P2	153 163	Q	V	45	99.2	108XA	L-KL-2739	90



# FE2owlet

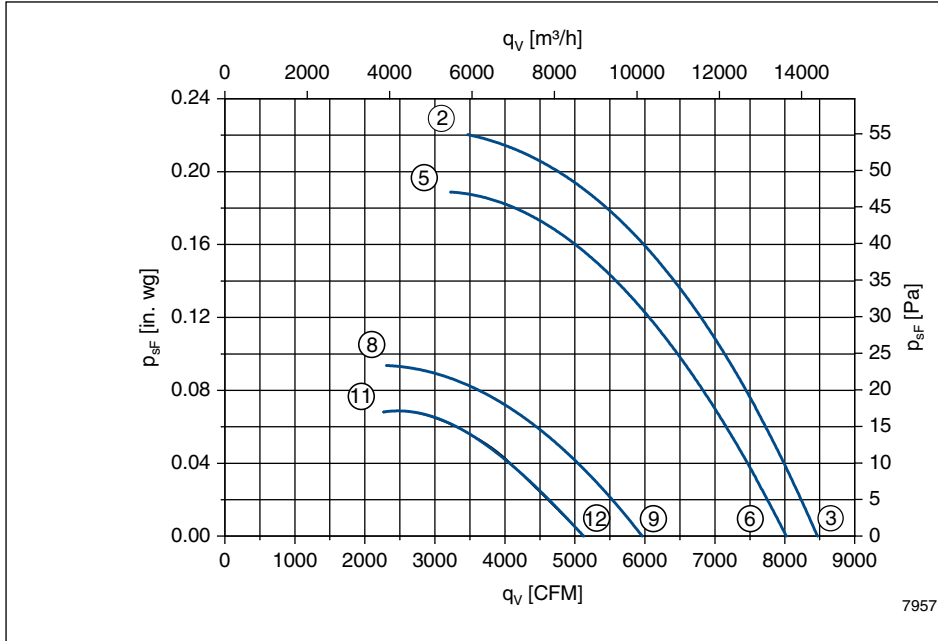
## FN080-ND\_.6F\_.7P2

### Performance data

3~ 460V ±10% Δ/Y 60Hz

$P_1$	0.54/0.26	kW
$I$	1.05/0.49	A
$n$	490/320	rpm
$I_A$	1.5/0.5	A
$\Delta I$	0	%
$t_R$	70/158	°C/°F

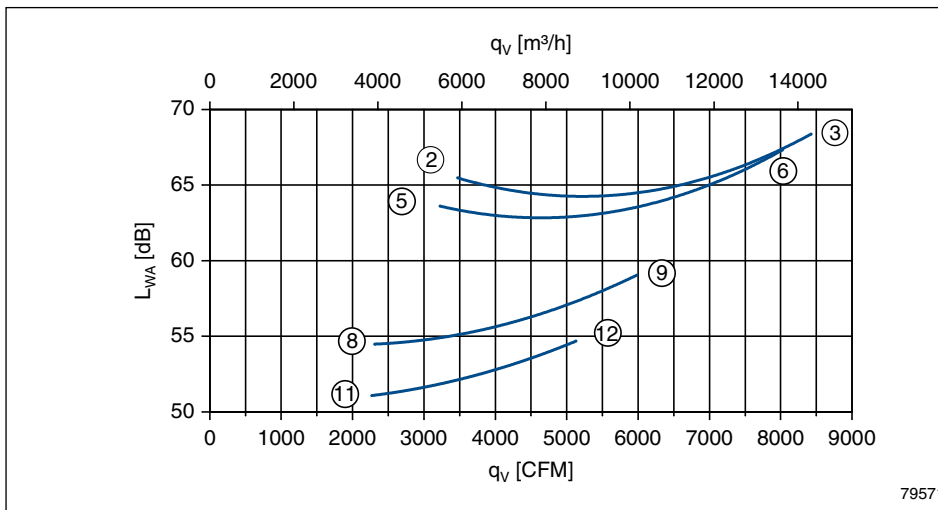
### Characteristic data



	U V	I A	P <sub>1</sub> W	n rpm
②	460	1.05	540	490
③	Δ	0.95	450	520
⑤	400	1.00	470	450
⑥	Δ	0.88	395	490
⑧	460	0.49	260	320
⑨	Y	0.45	250	370
⑪	400	0.45	210	280
⑫	Y	0.42	200	320

$$p_{d2} = 1.86 \cdot 10^{-7} \cdot q_v^2$$

measured in full bell mouth without guard grille in installation type A according to ISO 5801



### Dimension sheet

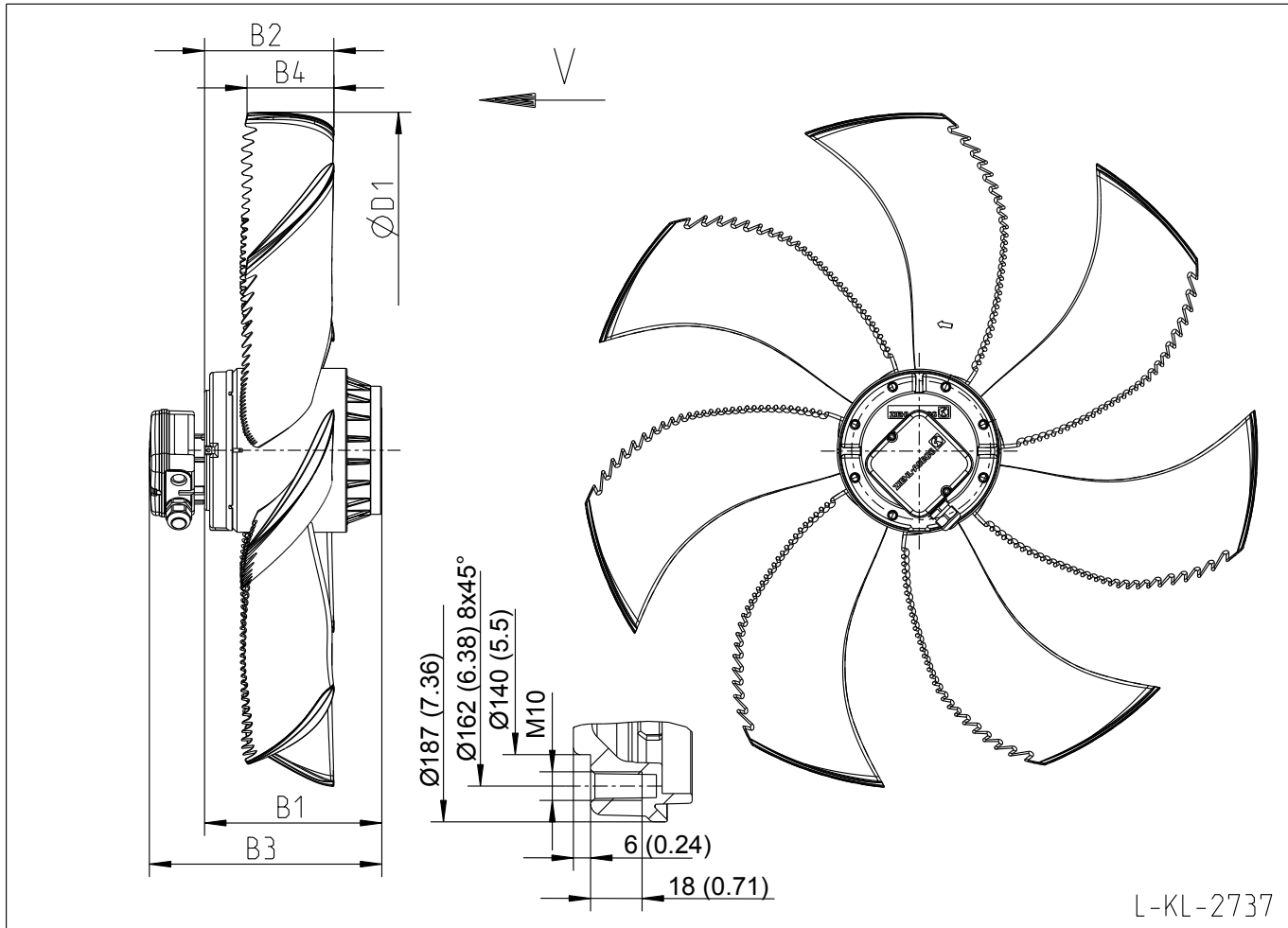
Type	Article no.	Design	Airflow direction	Weight		Connection diagram	Dimension sheet	Page
				kg	lbs			
FN080-NDA.6F.V7P2	153 167	A	V	20	44.1	108XA	L-KL-2737	88
FN080-NDS.6F.V7P2	153 168	S	V	27	59.5	108XA	L-KL-2738	89
FN080-NDQ.6F.V7P2	153 169	Q	V	38	83.8	108XA	L-KL-2739	90

# FE2owlet

**FN080- DA.6 .V7P2**

Airflow direction	<b>V</b>
Design	<b>A</b>
Material of impeller	Aluminium

**FN  
080**



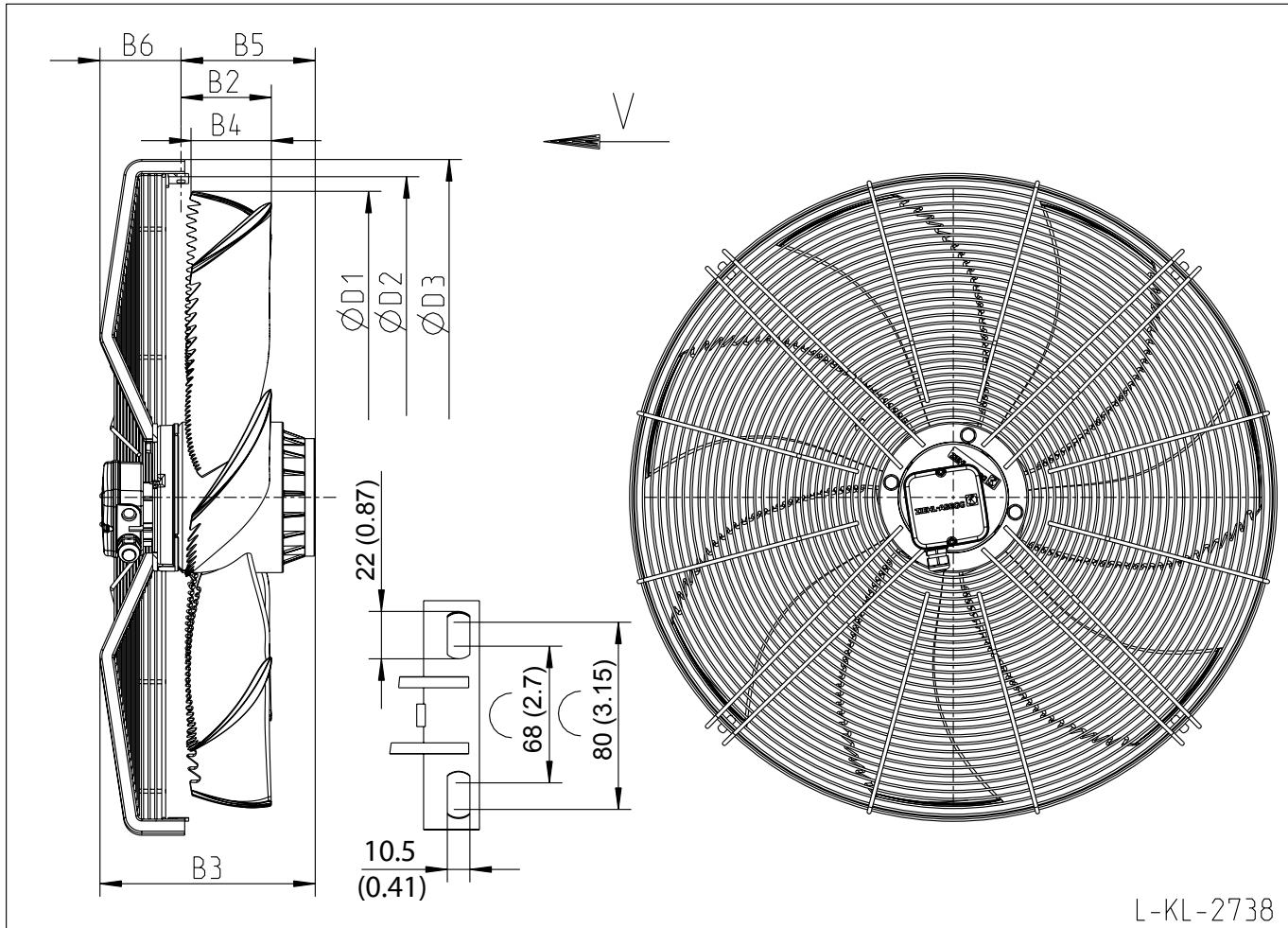
L-KL-2737

Type	Article no.	B1		B2		B3		B4		D1	
		mm	inch	mm	inch	mm	inch	mm	inch	mm	inch
<b>FN080-SDA.6N.V7P2</b>	<b>153 164</b>	207	8.15	151	5.94	271	10.67	101	3.98	788	31.02
<b>FN080-ADA.6N.V7P2</b>	<b>153 158</b>	207	8.15	151	5.94	271	10.67	101	3.98	788	31.02
<b>FN080-NDA.6F.V7P2</b>	<b>153 167</b>	157	6.18	151	5.94	271	10.67	101	3.98	788	31.02

# FE2owlet

**FN080- DS.6 .V7P2**

Airflow direction	<b>V</b>
Design	<b>S</b>
Material of impeller	Aluminium



**FN  
080**

L-KL-2738

## L-KL-2738

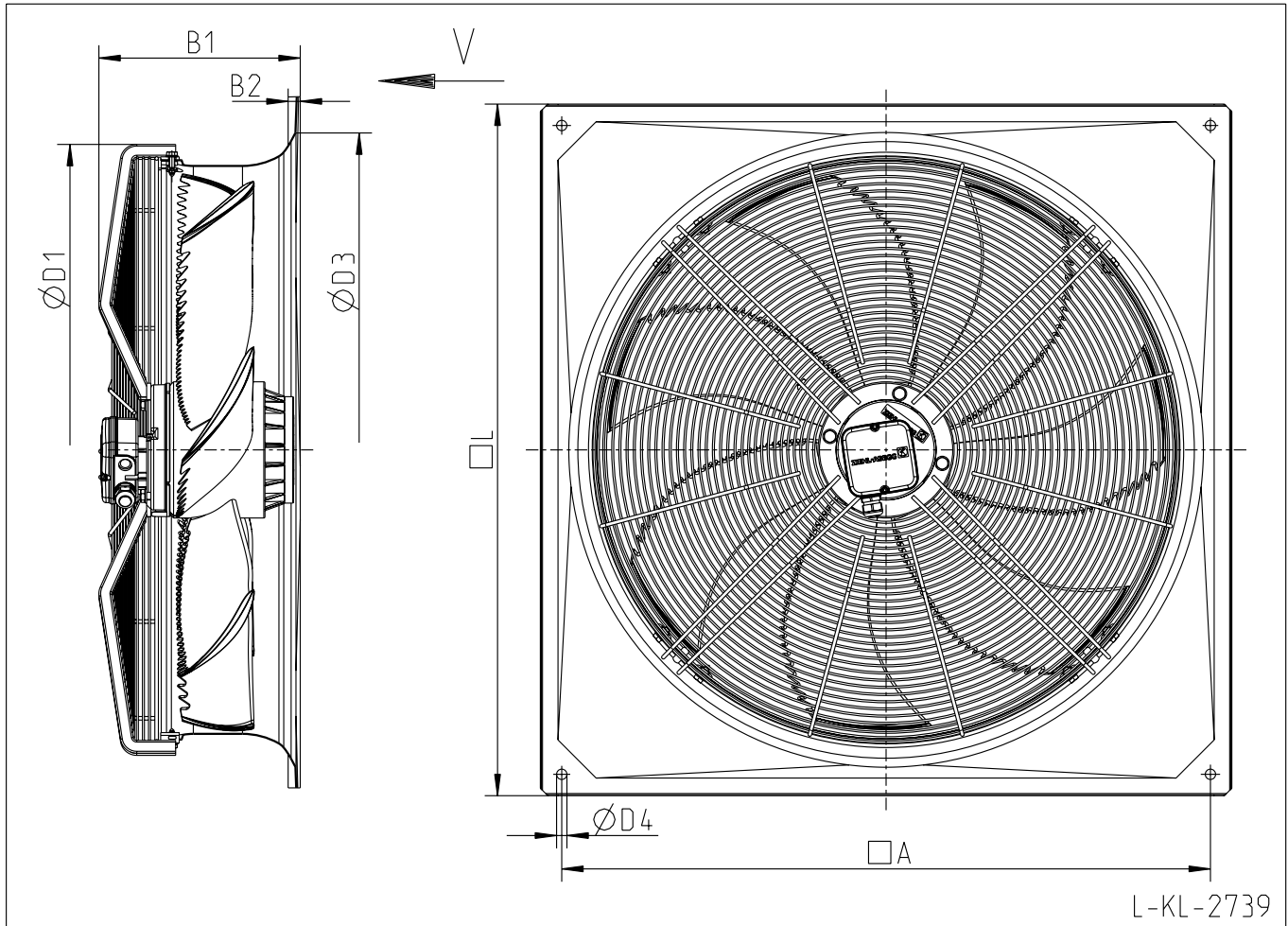
Type	Article no.	B2		B3		B4		B5		B6		D1		D2		D3	
		mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch
<b>FN080-SDS.6N.V7P2</b>	<b>153 165</b>	115	4.53	274	10.79	101	3.98	171	6.73	103	4.06	788	31.02	814	32.05	858	33.78
<b>FN080-ADS.6N.V7P2</b>	<b>153 162</b>	115	4.53	274	10.79	101	3.98	171	6.73	103	4.06	788	31.02	814	32.05	858	33.78
<b>FN080-NDS.6F.V7P2</b>	<b>153 168</b>	115	4.53	274	10.79	101	3.98	121	4.76	103	4.06	788	31.02	814	32.05	858	33.78

# FE2owlet

**FN080- \_DQ.6\_ .V7P2**

Airflow direction	<b>V</b>
Design	<b>Q</b>
Material of impeller	Aluminium

**FN  
080**



L-KL-2739

Type	Article no.	B1		B2		B3		D1		D3		D4		A		L	
		mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch		
<b>FN080-SDQ.6N.V7P2</b>	<b>153 166</b>	283	11.14	17	0.67	274	10.79	858	33.78	890	35.04	14.5	0.57	910	35.83	970	38.19
<b>FN080-ADQ.6N.V7P2</b>	<b>153 163</b>	283	11.14	17	0.67	274	10.79	858	33.78	890	35.04	14.5	0.57	910	35.83	970	38.19
<b>FN080-NDQ.6F.V7P2</b>	<b>153 169</b>	283	11.14	17	0.67	274	10.79	858	33.78	890	35.04	14.5	0.57	910	35.83	970	38.19

# Connection Diagrams

## 104XA

Luftförderrichtung: V  
 Direction of airflow: V  
 Drehrichtung: Rechtslauf  
 Direction of rotation: clockwise

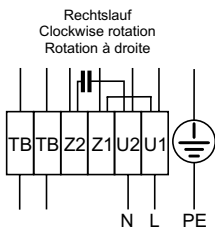
1~Motor mit Kondensator und Thermostatschalter (falls eingebaut).

1~Motor with capacitor and thermostatic switch (if built in).

Moteur monophasé avec condensateur et interrupteur thermostatique (si incorporé).

U1	braun	brown	brun
U2	blau	blue	bleu
Z1	schwarz	black	noir
Z2	orange	orange	orangé
TB	weiß	white	blanc

104XA-02



Anschlusschaltbild im Anschlusskasten aufbewahren.  
 Keep wiring diagram in terminal box.  
 Conserver le schéma de raccordement dans la boîte à bornes.

## 104XB

Luftförderrichtung: A  
 Direction of airflow: A  
 Drehrichtung: Linkslauf  
 Direction of rotation: counter clockwise

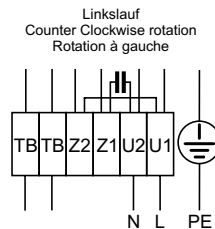
1~Motor mit Kondensator und Thermostatschalter (falls eingebaut).

1~Motor with capacitor and thermostatic switch (if built in).

Moteur monophasé avec condensateur et interrupteur thermostatique (si incorporé).

U1	braun	brown	brun
U2	blau	blue	bleu
Z1	schwarz	black	noir
Z2	orange	orange	orangé
TB	weiß	white	blanc

104XB-02



Anschlusschaltbild im Anschlusskasten aufbewahren.  
 Keep wiring diagram in terminal box.  
 Conserver le schéma de raccordement dans la boîte à bornes.

## 108XA

Luftförderrichtung: V  
 Direction of airflow: V  
 Drehrichtung: Rechtslauf  
 Direction of rotation: clockwise

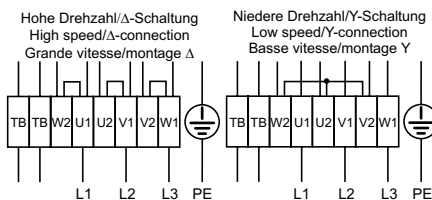
3~ Motor mit 2 Drehzahlen ( $\Delta$ /Y-Umschaltung) und Thermostatschalter (falls eingebaut). Ohne Brücke bei Verwendung von Drehzahlumschalter.

3~ motor, 2 speeds ( $\Delta$ /Y switch over) with thermostatic switch (if built in). Without bridge when using speed change-over switch.

Moteur triphasé à 2 vitesses ( $\Delta$ /Y-commutation) avec interrupteur thermostatique (si incorporé). Les pièce de connexion sont à supprimer avec l'utilisation d'un commutateur de vitesse.

U1	braun	brown	brun
V1	blau	blue	bleu
W1	schwarz	black	noir
U2	rot	red	rouge
V2	grau	grey	gris
W2	orange	orange	orangé
TB	weiß	white	blanc

108XA-02



Anschlusschaltbild im Anschlusskasten aufbewahren.  
 Keep wiring diagram in terminal box.  
 Conserver le schéma de raccordement dans la boîte à bornes.

## 108XB

Luftförderrichtung: A  
 Direction of airflow: A  
 Drehrichtung: Linkslauf  
 Direction of rotation: counter clockwise

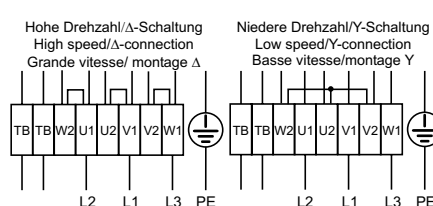
3~ Motor mit 2 Drehzahlen ( $\Delta$ /Y-Umschaltung) und Thermostatschalter (falls eingebaut). Ohne Brücke bei Verwendung von Drehzahlumschalter.

3~ motor, 2 speeds ( $\Delta$ /Y switch over) with thermostatic switch (if built in). Without bridge when using speed change-over switch.

Moteur triphasé à 2 vitesses ( $\Delta$ /Y-commutation) avec interrupteur thermostatique (si incorporé). Les pièce de connexion sont à supprimer avec l'utilisation d'un commutateur de vitesse.

U1	braun	brown	brun
V1	blau	blue	bleu
W1	schwarz	black	noir
U2	rot	red	rouge
V2	grau	grey	gris
W2	orange	orange	orangé
TB	weiß	white	blanc

108XB-02



Anschlusschaltbild im Anschlusskasten aufbewahren.  
 Keep wiring diagram in terminal box.  
 Conserver le schéma de raccordement dans la boîte à bornes.

**Ziehl-Abegg Inc.**

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