Recirculation Pump for Swimming Pool Filter Systems

Filtra N

Data Sheet Booklet



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Data Sheet Booklet Filtra N

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Overview of sizes

Table 1: Overview of sizes

Size	For details see ...
Filtra N 6D	(⇨ Page 5)
Filtra N 6E	(⇨ Page 6)
Filtra N 8D	(⇨ Page 5)
Filtra N 8E	(⇨ Page 6)
Filtra N 12D	(⇨ Page 5)
Filtra N 12E	(⇨ Page 6)
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Filtra N 14E	(⇨ Page 8)
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Filtra N 30D	(⇨ Page 9)

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Data sheet for three-phase squirrel-cage motors: Filtra N 6D, Filtra N 8D, Filtra N 12D

Table 2: Motor efficiency

Efficiency			IE class
ηR [%]	η75% [%]	η50% [%]	
74,1	72,1	68,8	IE2

Manufacturer: KSB SAS
128 rue Carnot
59320 Sequedin (France)

R.C.S. Nanterre B 569 801 897

Table 3: Technical data

Characteristic	Value
Type series	Filtra N 6D, Filtra N 8D, Filtra N 12D
Material number	48242859, 48242860, 48242861
Number of poles	2
Rated output power	0.55 kW
Nominal frequency	50 Hz
Nominal voltage	Y380-420 V / Δ220-240 V
Nominal speed	2710 rpm
Number of phases	3
Ambient conditions	-20 °C to +40 °C / 1000 m

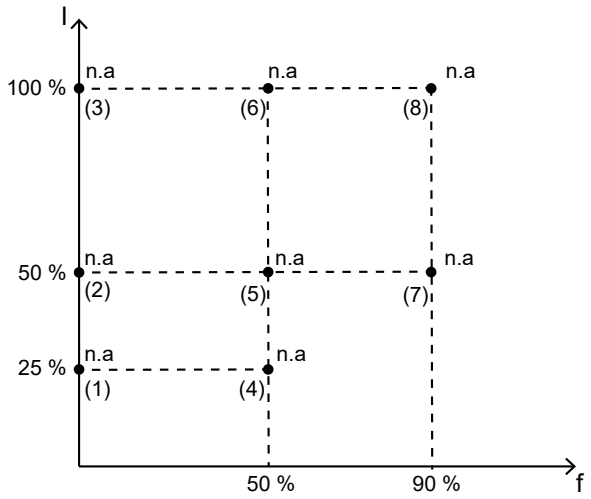


Fig. 1: Operating point definition of power losses (relative torque-producing current I versus relative motor stator frequency f)

Data sheet for three-phase squirrel-cage motors: Filtra N 6E, Filtra N 8E, Filtra N 12E

Table 4: Motor efficiency

Efficiency			IE class
ηR [%]	η75% [%]	η50% [%]	
69,5	64,4	56,7	IE2

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128 rue Carnot
59320 Sequedin (France)

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Table 5: Technical data

Characteristic	Value
Type series	Filtra N 6E, Filtra N 8E, Filtra N 12E
Material number	48020325, 48020326, 48020327
Number of poles	2
Rated output power	0,37 kW
Nominal frequency	50 Hz
Nominal voltage	230 V
Nominal speed	2870 rpm
Number of phases	1
Ambient conditions	-20 °C to +40 °C / 1000 m

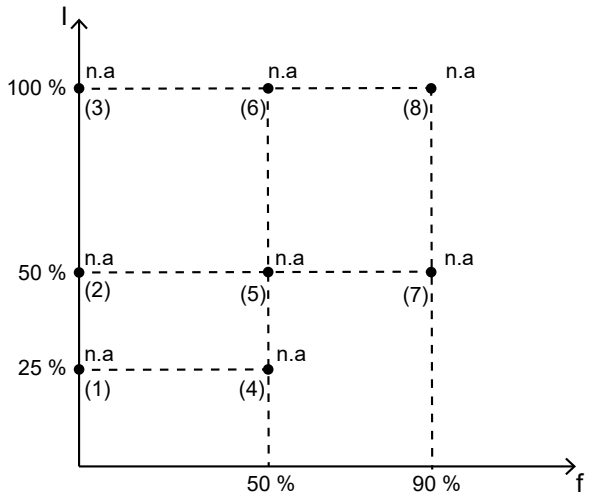


Fig. 2: Operating point definition of power losses (relative torque-producing current I versus relative motor stator frequency f)

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Data sheet for three-phase squirrel-cage motors: Filtra N 14D, Filtra N 18D

Table 6: Motor efficiency

Efficiency			IE class
ηR [%]	η75% [%]	η50% [%]	
80,7	79,5	76,8	IE3

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128 rue Carnot
59320 Sequedin (France)

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Table 7: Technical data

Characteristic	Value
Type series	Filtra N 14D, Filtra N 18D
Material number	48242862, 48242863
Number of poles	2
Rated output power	0.75 kW
Nominal frequency	50 Hz
Nominal voltage	Y380-420 V / Δ220-240 V
Nominal speed	2835 rpm
Number of phases	3
Ambient conditions	-20 °C to +40 °C / 1000 m

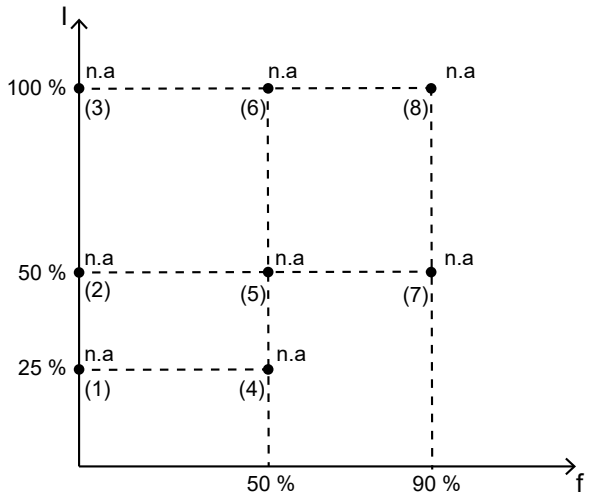


Fig. 3: Operating point definition of power losses (relative torque-producing current I versus relative motor stator frequency f)

Data sheet for three-phase squirrel-cage motors: Filtra N 14E, Filtra N 18E

Table 8: Motor efficiency

Efficiency			IE class
ηR [%]	η75% [%]	η50% [%]	
77,4	77,9	72,0	IE2

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128 rue Carnot
59320 Sequedin (France)

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Table 9: Technical data

Characteristic	Value
Type series	Filtra N 14E, Filtra N 18E
Material number	48020328, 48020329
Number of poles	2
Rated output power	0,75 kW
Nominal frequency	50 Hz
Nominal voltage	230 V
Nominal speed	2875 rpm
Number of phases	1
Ambient conditions	-20 °C to +40 °C / 1000 m

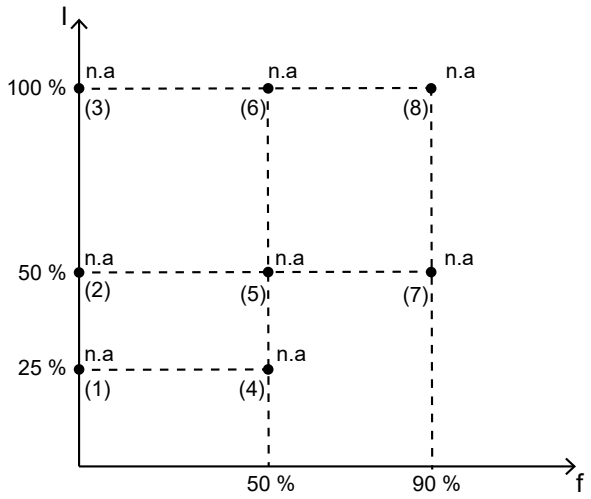


Fig. 4: Operating point definition of power losses (relative torque-producing current I versus relative motor stator frequency f)

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Data sheet for three-phase squirrel-cage motors: Filtra N 22D, Filtra N 24D, Filtra N 30D

Table 10: Motor efficiency

Efficiency			IE class
ηR [%]	η75% [%]	η50% [%]	
82,7	81,5	80,2	IE3

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128 rue Carnot
59320 Sequedin (France)

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Table 11: Technical data

Characteristic	Value
Type series	Filtra N 22D, Filtra N 24D, Filtra N 30D
Material number	48242864, 48242865, 48242866
Number of poles	2
Rated output power	1.1 kW
Nominal frequency	50 Hz
Nominal voltage	Y380-420 V / Δ220-240 V
Nominal speed	2830 rpm
Number of phases	3
Ambient conditions	-20 °C to +40 °C / 1000 m

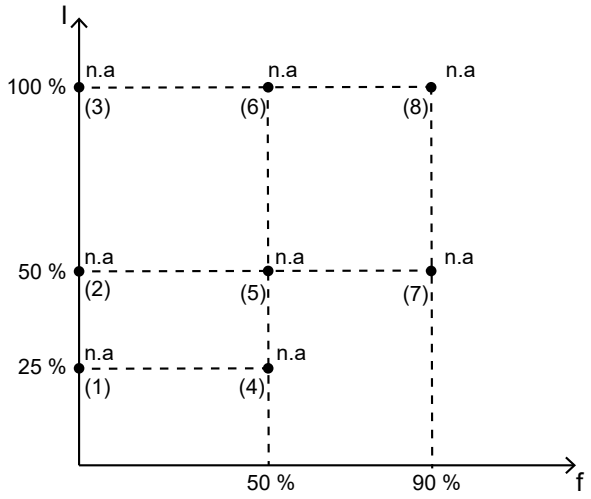


Fig. 5: Operating point definition of power losses (relative torque-producing current I versus relative motor stator frequency f)

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KSB SE & Co. KGaA
Johann-Klein-Straße 9 • 67227 Frankenthal (Germany)
Tel. +49 6233 86-0
www.ksb.com