

Centrifugal Pump

MultiEco / MultiEco Pro / MultiEco Top

Data Sheet Booklet



Legal information/Copyright

Data Sheet Booklet MultiEco / MultiEco Pro / MultiEco Top

All rights reserved. The contents provided herein must neither be distributed, copied, reproduced, edited or processed for any other purpose, nor otherwise transmitted, published or made available to a third party without the manufacturer's express written consent.

Subject to technical modification without prior notice.

Overview of Sizes

Table 1: Overview of sizes

Size	For details see ...
MultiEco 33D	(⇒ Page 4)
MultiEco 33E	(⇒ Page 5)
MultiEco 33P	(⇒ Page 5)
MultiEco 34D	(⇒ Page 4)
MultiEco 34E	(⇒ Page 5)
MultiEco 34P	(⇒ Page 5)
MultiEco 35D	(⇒ Page 6)
MultiEco 35E	(⇒ Page 7)
MultiEco 35P	(⇒ Page 7)
MultiEco 36E	(⇒ Page 10)
MultiEco 36P	(⇒ Page 10)
MultiEco 36D	(⇒ Page 8)
MultiEco 65D	(⇒ Page 8)
MultiEco 65E	(⇒ Page 10)
MultiEco 65P	(⇒ Page 10)
MultiEco Pro 34E	(⇒ Page 5)
MultiEco Pro 35E	(⇒ Page 7)
MultiEco Pro 36E	(⇒ Page 10)
MultiEco Pro 65E	(⇒ Page 10)
MultiEco Top 34E	(⇒ Page 5)
MultiEco Top 35E	(⇒ Page 7)
MultiEco Top 36D	(⇒ Page 9)
MultiEco Top 36E	(⇒ Page 10)
MultiEco Top 65D	(⇒ Page 9)
MultiEco Top 65E	(⇒ Page 10)

Data Sheet for Three-phase Squirrel-cage Motors: MultiEco 33D, MultiEco 34D

Table 2: Motor efficiency

Efficiency			IE class
η_R [%]	$\eta_{75\%}$ [%]	$\eta_{50\%}$ [%]	
69,5	70,3	63,5	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	MultiEco 33D, MultiEco 34D
Material number	48242852, 48242853
Number of poles	2
Rated output power	0,37 kW
Nominal frequency	50 Hz
Nominal voltage	Y380-420 V / Δ 220-240 V
Nominal speed	2800 rpm
Number of phases	3
Ambient conditions	-20 °C to +40 °C / 1000 m

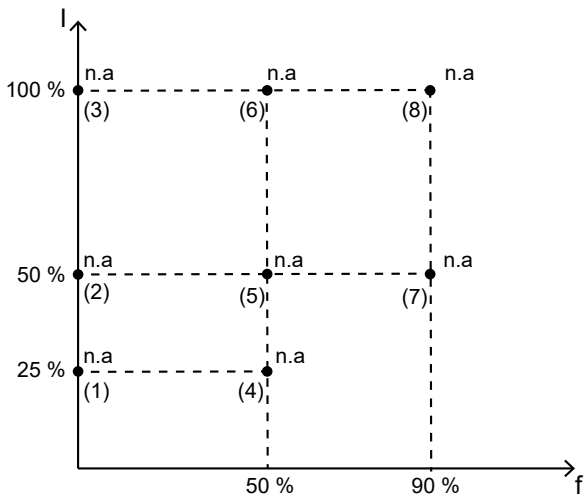


Fig. 1: Operating point definition of power losses (relative torque-producing current I versus relative motor stator frequency f)

Data Sheet for Single-phase Squirrel-cage Motors: MultiEco 33E, MultiEco 33P, MultiEco 34E, MultiEco 34P, MultiEco Top 34E, MultiEco Pro 34E

Table 4: Motor efficiency

η_R [%]	Efficiency		IE class
	$\eta_{75\%}$ [%]	$\eta_{50\%}$ [%]	
69,5	70,0	62,8	IE2

Manufacturer: KSB SAS
 128 rue Carnot
 59320 Sequedin (France)
 R.C.S. Nanterre B 569 801 897

Table 5: Technical data

Characteristic	Value
Type series	MultiEco 33E, MultiEco 33P, MultiEco 34E, MultiEco 34P, MultiEco Top 34E, MultiEco Pro 34E
Material number	5216397, 5216869, 5216398, 5216413, 5216865, 5216870, 5216874
Number of poles	2
Rated output power	0,37 kW
Nominal frequency	50 Hz
Nominal voltage	Y380-420 V / Δ 220-240 V
Nominal speed	2715 rpm
Number of phases	1
Ambient conditions	-20 °C to +40 °C / 1000 m

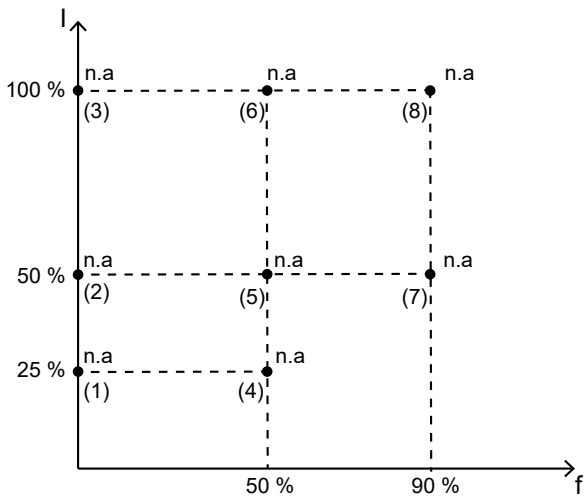


Fig. 2: Operating point definition of power losses (relative torque-producing current I versus relative motor stator frequency f)

Data Sheet for Three-phase Squirrel-cage Motors: MultiEco 35D

Table 6: Motor efficiency

Efficiency			IE class
η_R [%]	$\eta_{75\%}$ [%]	$\eta_{50\%}$ [%]	
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 7: Technical data

Characteristic	Value
Type series	MultiEco 35D
Material number	48242854
Number of poles	2
Rated output power	0,55 kW
Nominal frequency	50 Hz
Nominal voltage	Y380-420 V / Δ 220-240 V
Nominal speed	2710 rpm
Number of phases	3
Ambient conditions	-20 °C to +40 °C / 1000 m

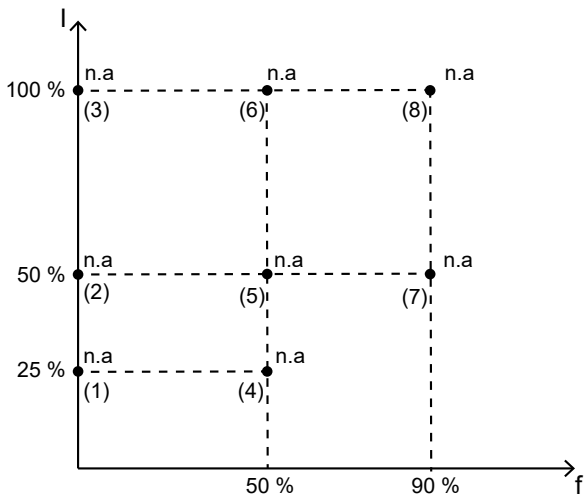


Fig. 3: Operating point definition of power losses (relative torque-producing current I versus relative motor stator frequency f)

Data Sheet for Single-phase Squirrel-cage Motors: MultiEco 35E, MultiEco 35P, MultiEco Top 35E, MultiEco Pro 35E

Table 8: Motor efficiency

η_R [%]	Efficiency		IE class
	$\eta_{75\%}$ [%]	$\eta_{50\%}$ [%]	
71,7	68,8	60,5	IE2

Manufacturer: KSB SAS
 128 rue Carnot
 59320 Sequedin (France)
 R.C.S. Nanterre B 569 801 897

Table 9: Technical data

Characteristic	Value
Type series	MultiEco 35E, MultiEco 35P, MultiEco Top 35E, MultiEco Pro 35E
Material number	5216846, 5216847, 5216866, 5216871, 5216867, 5216846
Number of poles	2
Rated output power	0,45 kW
Nominal frequency	50 Hz
Nominal voltage	Y380-420 V / Δ 220-240 V
Nominal speed	2790 rpm
Number of phases	1
Ambient conditions	-20 °C to +40 °C / 1000 m

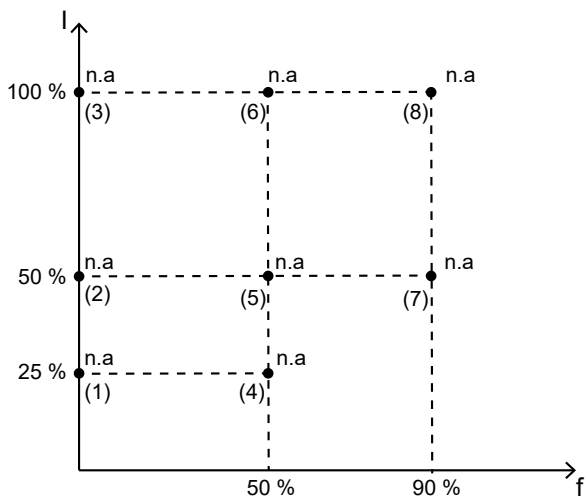


Fig. 4: Operating point definition of power losses (relative torque-producing current I versus relative motor stator frequency f)

Data Sheet for Three-phase Squirrel-cage Motors: MultiEco 36D, MultiEco 65D

Table 10: Motor efficiency

Efficiency			IE class
η_R [%]	$\eta_{75\%}$ [%]	$\eta_{50\%}$ [%]	
80,7	79,5	76,8	IE3

Manufacturer: KSB SAS
 128 rue Carnot
 59320 Sequedin (France)
 R.C.S. Nanterre B 569 801 897

Table 11: Technical data

Characteristic	Value
Type series	MultiEco 36D, MultiEco 65D
Material number	48242855, 48242856
Number of poles	2
Rated output power	0,75 kW
Nominal frequency	50 Hz
Nominal voltage	Y380-420 V / Δ 220-240 V
Nominal speed	2835 rpm
Number of phases	3
Ambient conditions	-20 °C to +40 °C / 1000 m

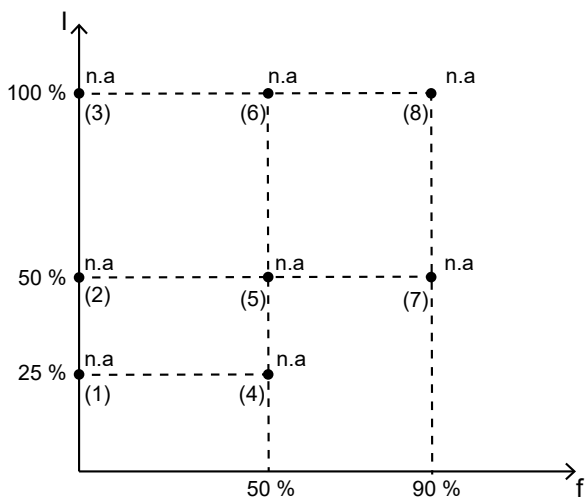


Fig. 5: Operating point definition of power losses (relative torque-producing current I versus relative motor stator frequency f)

Data Sheet for Three-phase Squirrel-cage Motors: MultiEco Top 36D, MultiEco Top 65D

Table 12: Motor efficiency

η_R [%]	Efficiency		IE class
	$\eta_{75\%}$ [%]	$\eta_{50\%}$ [%]	
80,7	79,5	76,8	IE3

Manufacturer: KSB SAS
 128 rue Carnot
 59320 Sequedin (France)
 R.C.S. Nanterre B 569 801 897

Table 13: Technical data

Characteristic	Value
Type series	MultiEco Top 36D, MultiEco Top 65D
Material number	48242857, 48242858
Number of poles	2
Rated output power	0,75 kW
Nominal frequency	50 Hz
Nominal voltage	Y380-420 V / Δ 220-240 V
Nominal speed	2835 rpm
Number of phases	3
Ambient conditions	-20 °C to +40 °C / 1000 m

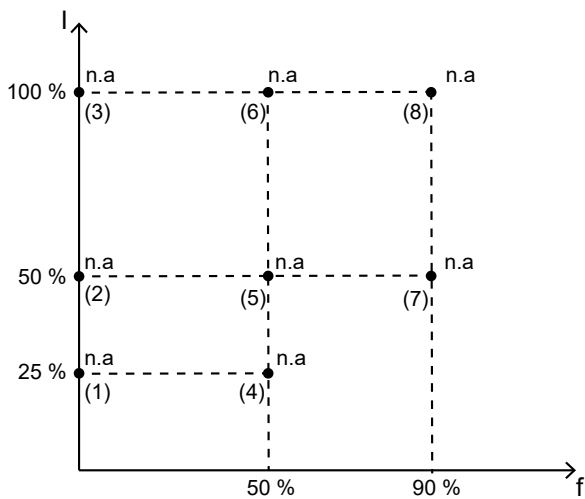


Fig. 6: Operating point definition of power losses (relative torque-producing current I versus relative motor stator frequency f)

Data Sheet for Three-phase Squirrel-cage Motors: MultiEco 36E, MultiEco 36P, MultiEco Top 36E, MultiEco Pro 36E, MultiEco 65E, MultiEco 65P, MultiEco Top 65E, MultiEco Pro 65E

Table 14: Motor efficiency

η_R [%]	Efficiency		IE class
	$\eta_{75\%}$ [%]	$\eta_{50\%}$ [%]	
77,4	77,9	72	IE2

Manufacturer: KSB SAS
 128 rue Carnot
 59320 Sequedin (France)
 R.C.S. Nanterre B 569 801 897

Table 15: Technical data

Characteristic	Value
Type series	MultiEco 36E, MultiEco 36P, MultiEco Top 36E, MultiEco Pro 36E, MultiEco 65E, MultiEco 65P, MultiEco Top 65E, MultiEco Pro 65E
Material number	5216848, 5216849, 5216868, 5216872, 5216863, 5216860, 5216861, 5216875, 5216873, 5216864
Number of poles	2
Rated output power	0,75 kW
Nominal frequency	50 Hz
Nominal voltage	Y380-420 V / Δ 220-240 V
Nominal speed	2875 rpm
Number of phases	1
Ambient conditions	-20 °C to +40 °C / 1000 m

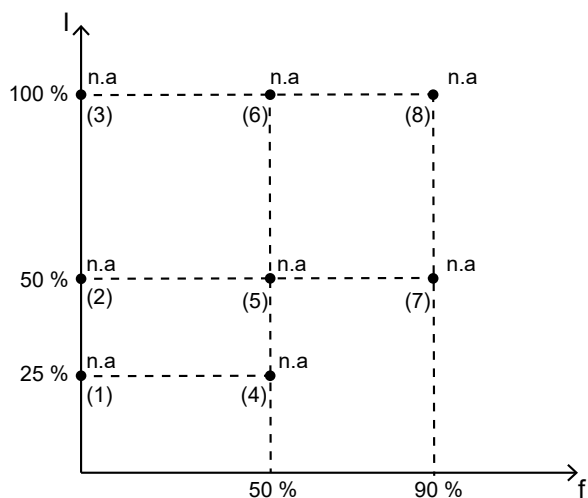


Fig. 7: Operating point definition of power losses (relative torque-producing current I versus relative motor stator frequency f)



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