

Centrifugal Pump

Multi Eco



Overview of sizes

Table 1: Overview of sizes

Size	For details see ...
Multi Eco 33D	(⇒ Page 4)
Multi Eco 34D	(⇒ Page 4)
Multi Eco 35D	(⇒ Page 5)
Multi Eco 36D	(⇒ Page 6)
Multi Eco 65D	(⇒ Page 6)
Multi Eco Top 36D	(⇒ Page 7)
Multi Eco Top 65D	(⇒ Page 7)

Data sheet for three-phase squirrel-cage motors: Multi Eco 33D, Multi Eco 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	Multi Eco 33D, Multi Eco 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

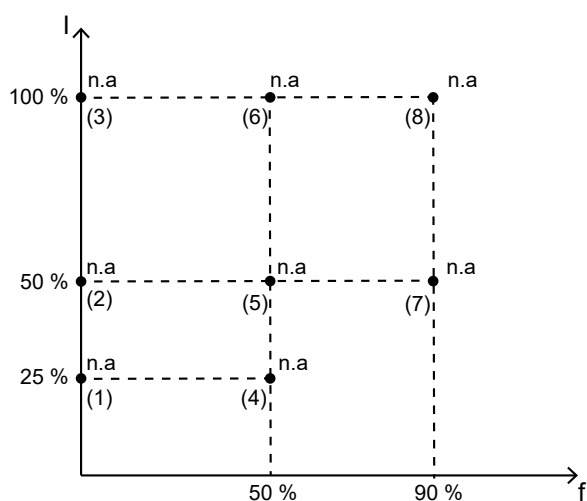


Fig. 1: Operating point definition of power losses (relative torque-producing current I versus relative motor stator frequency f)

Data sheet for three-phase squirrel-cage motors: Multi Eco 35D

Table 4: Motor efficiency

Efficiency			IE class
η_R [%]	$\eta_{75\%}$ [%]	$\eta_{50\%}$ [%]	
74,1	72,1	68,8	IE2

Manufacturer: KSB SAS
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Table 5: Technical data

Characteristic	Value
Type series	Multi Eco 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/1,000 m

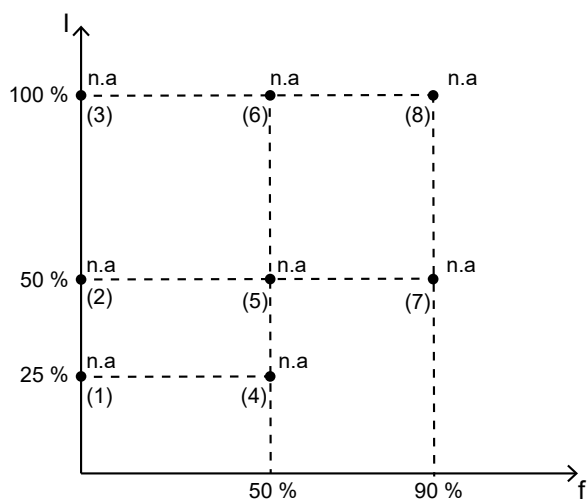


Fig. 2: Operating point definition of power losses (relative torque-producing current I versus relative motor stator frequency f)

Data sheet for three-phase squirrel-cage motors: Multi Eco 36D, Multi Eco 65D

Table 6: Motor efficiency

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

Manufacturer: KSB SAS
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Table 7: Technical data

Characteristic	Value
Type series	Multi Eco 36D, Multi Eco 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/1,000 m

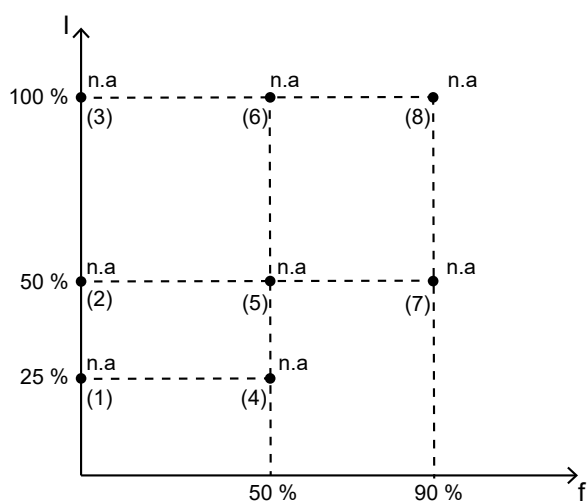


Fig. 3: Operating point definition of power losses (relative torque-producing current I versus relative motor stator frequency f)

Data sheet for three-phase squirrel-cage motors: Multi Eco Top 36D, Multi Eco Top 65D

Table 8: Motor efficiency

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

Manufacturer: KSB SAS
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Table 9: Technical data

Characteristic	Value
Type series	Multi Eco Top 36D, Multi Eco 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

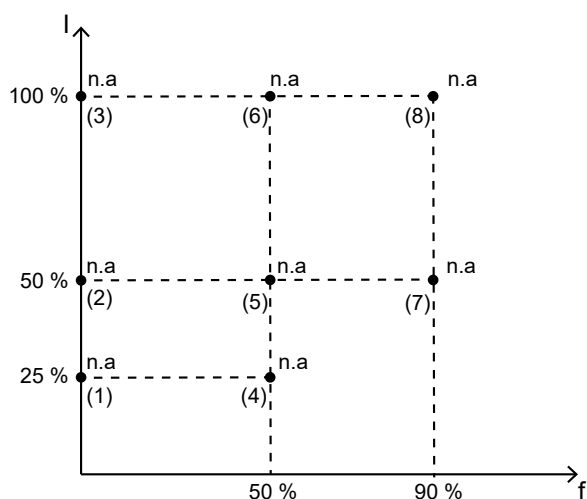


Fig. 4: Operating point definition of power losses (relative torque-producing current I versus relative motor stator frequency f)