Technical Data Sheet

Commutator motors F 457, F 457 EL

More than just pumps

Advantages/characteristics:

- Powerful commutator motor
- Low noise level
- Compact design
- Easy to handle
- Optionally with integrated no-volt release
- Very good air cooling
- F 457 EL: with stepless speed setting to regulate the rising medium

Technical data/type	F 457	F 457 EL
Motor type	Single phase universal motor	
Housing, material	Polypropylene	
Venting	Internally ventilated	
Motor protection	Circuit breaker	
Low-voltage protection	Optional	
Speed setting, stepless	No	Yes
Power supply cable (100 - 240 V)	H 05 RN-F 2X 1,0	
Standard cable length (m)[1)]	5	
Standard plug[2)]	CEE 7/17	
Weight (kg)	4,0	

Certificates	
Operation category as per EN 60034-1 (VDE 0530)	S1 (continuous operation)
Protection class as per DIN EN 60 529	IP 24
Operating range	
Operating temperature (°C)	-20 to +40

1) Other cable lengths available on request 2) Other plugs available on request

Nominal data for F 457, output 800 Watt			
Nominal voltage (V)[1)]	**230 - 240**	**120**	**110**
Nominal frequency (Hz)	50 - 60	60	50
Nominal output (W)	800		
Nominal speed (R/min)	9 000		
Nominal current (A)	3,8	7,5	7,8
Protection class	II		

Nominal data for F 457 EL, output 800 Watt			
Nominal voltage (V)	**230 - 240**	**120**	**110**
Nominal frequency (Hz)	50 - 60	60	50
Nominal output (W)	800		
Nominal speed (R/min)	9 000		
Nominal current (A)	3,8	7,5	7,8
Protection class	II		

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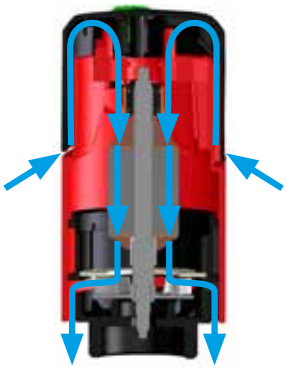
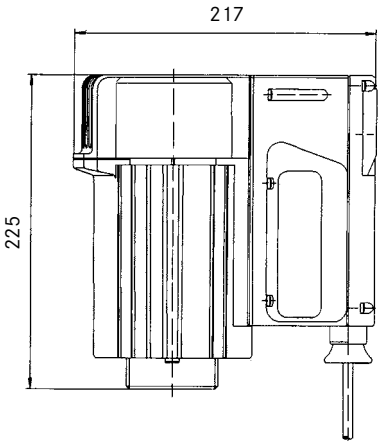
Design:



F 457 internally ventilated.
The cooling air flows through the chambers of the double housing.

The arrows show the direction of the cooling air through the chambers of the double housing.

Dimensions [mm]:



Part numbers:

Voltage (Volt)	Frequency (Hz)	Output (Watt)	Cable length (m)	Plug CEE 7/7	Part no.	
Motor F 457, without speed setting					**Low-voltage protection**	
					with	**without**
230 - 240	50-60	800	5	CEE 7/17	10-457 01 068	10-457 01 065
			5	-	10-457 01 086	10-457 01 085
120	60		5	NEMA 1-15P	10-457 01 067	10-457 01 063
110	50		5	CEE 7/17	10-457 01 072	10-457 01 073
			5	-	10-457 01 078	10-457 01 077
Motor F 457 EL, with speed setting					**Low-voltage protection**	
					with	**without**
230 - 240	50-60	800	5	CEE 7/17	10-457 01 066	10-457 01 088
			5	-	10-457 01 087	-
120	60		5	NEMA 1-15P	10-457 01 064	-
110	50		5	CEE 7/17	10-457 01 074	-
			5	-	10-457 01 080	-

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