

# MPS...F4

Type MPS 225 D2 F4 30  
ID 145815

## Connection data entire unit

Rated frequency	Hz	50
Nominal voltage	V	400
Rated power	W	486
Max. operating current	A	0.9
Phase		3~
Motor Type		3~
Type of motor control		f
Motor protection		-
Capacitor $\mu$	$\mu$ F	-
Capacitor voltage	V	-
Insulation class motor		F
Poles		2
IP motor		IP55
IP terminal box		-
IP complete unit		-
Min. operating temperature	$^{\circ}$ C	-20

Rated current	A	0.9
Rated speed	1/min	3440
Max. static efficiency	%	46.3
Max. total efficiency	%	50.6
Max. allowed frequency (3~ motors)	Hz	60
Max. allowed RPM (EC-motors)	1/min	-
Max. power consumption	W	486
Max. current consumption	A	0.9
Max. RPM	1/min	3530
Max. air flow	m <sup>3</sup> /h	1960
Min. pressure	Pa	-
Max. pressure	Pa	980
Max. allowed ambient temperature at rated current	$^{\circ}$ C	50
Max. allowed medium temperature at rated current	$^{\circ}$ C	200
Max. allowed ambient temperature	$^{\circ}$ C	50
Max. allowed medium temperature	$^{\circ}$ C	200
Blocking current	A	-
Min. allowed voltage	V	-
Weight	kg	29,3

Sound Measurement (Octave)			$\Sigma$	63 Hz	125 Hz	250 Hz	500 Hz	1k Hz	2k Hz	4k Hz	8k Hz	
SWL inlet	L <sub>WA5</sub>	dB(A)	1	82	50	70	74	78	76	74	72	63
			2	81	48	67	72	76	74	73	71	63
			3	79	46	63	66	75	73	72	70	62
			4	83	50	62	69	79	77	75	75	66
			5	85	48	66	72	80	79	77	77	69
SWL outlet	L <sub>WA6</sub>	dB(A)	1	84	56	73	74	79	75	77	73	64
			2	83	52	69	71	80	75	77	73	65
			3	83	46	64	66	80	75	76	73	65
			4	87	46	65	69	83	78	80	77	69
			5	88	47	66	70	85	79	81	78	72
SWL casing break out	L <sub>WA2</sub>	dB(A)	1	76	51	69	67	65	69	71	66	59
			2	76	52	65	64	66	69	71	66	59
			3	74	53	59	60	66	68	70	65	57
			4	75	51	62	62	68	69	70	66	58
			5	76	51	65	64	69	69	71	66	59

## Data in accordance with ErP Directive 327/2011 of the European Parliament

Overall efficiency	%	53.1
Measurement category		A
Efficiency category		statisch
Efficiency grade at optimum energy efficiency point	N	68.7
Speed control		not integrated
Year of manufacture		see nameplate
Commercial registration number		Local District Court Mannheim HRB 560366
Place of manufacturer		ruck Ventilatoren GmbH, Germany

<b>ID-number</b>	145815
<b>Nominal motor power input at optimum energy efficiency point</b>	kW 0.325
<b>Volumetric flow at optimum energy efficiency point</b>	m³/h 1233
<b>Pressure at optimum energy efficiency point</b>	Pa 478
<b>Rotations per minute at the optimum energy efficiency point</b>	1/min 2915
<b>The specific ratio</b>	The specific ratio is close to 1 and significantly below 1.11.
<b>Information on dismantling, recycling and disposal</b>	Observe the user manual of this product.
<b>Optimal life</b>	Observe the user manual of this product.
<b>Description of additional items used when determining the fan energy efficiency, such as ducts, that are not described in the measurement category and not supplied with the fan.</b>	No special items have been used for determining the fan energy efficiency, except the required connection components according to the measurement category.