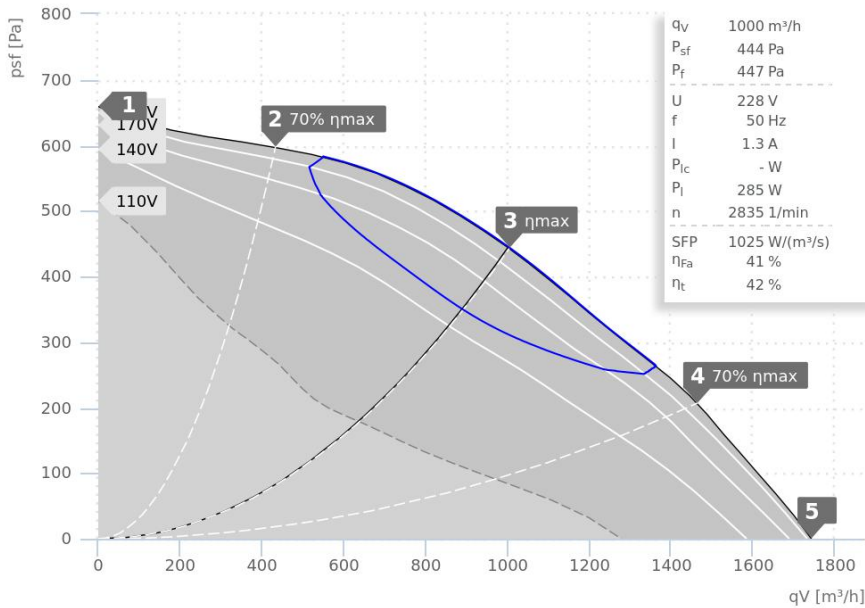


# DATA SHEET

## MPC 225 E2 T21 | 137885



- Motor outside of air stream
- Galvanized sheet steel double wall casing
- Speed controllable
- Bottom pan with drain
- 30 mm insulation

— ErP compliant range

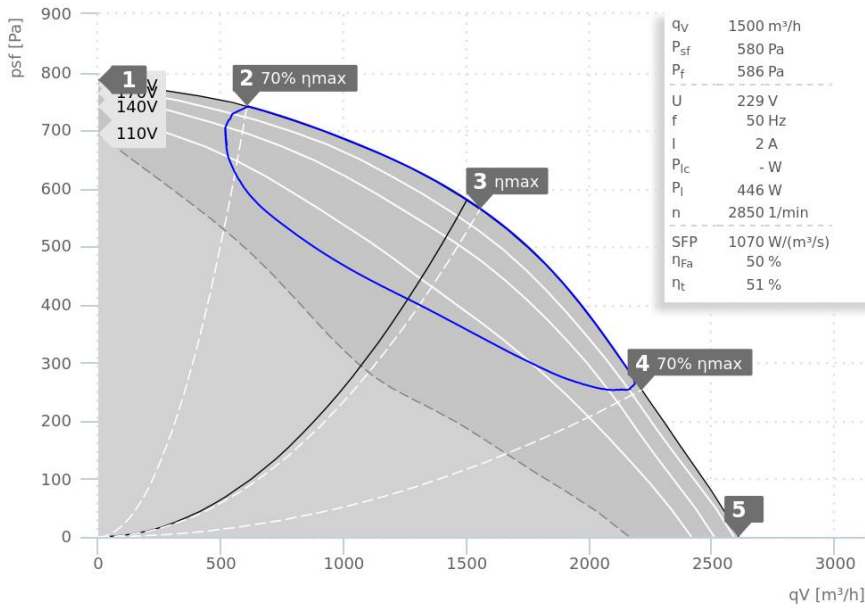
Operating Point		1	2	3	4	5
Current I	A	0,8	1,1	1,3	1,2	1,1
Power consumption P <sub>i</sub>	W	169	240	286	272	235
Rotation speed n	1/min	2917	2865	2838	2847	2876
SWL inlet L <sub>WA5</sub>	dB(A)	74	73	71	75	78
SWL outlet L <sub>WA6</sub>	dB(A)	77	76	75	78	80
SWL housing break out L <sub>WA2</sub>	dB(A)	69	68	67	69	71

Sound power (L <sub>W</sub> ) dB(A)		Medium Frequency Band								
		Σ	63	125	250	500	1k	2k	4k	8k
Inlet	L <sub>WA5</sub>	71	52	53	60	64	65	64	61	57
Outlet	L <sub>WA6</sub>	75	56	65	65	66	69	69	62	56
Housing radiation	L <sub>WA2</sub>	67	55	53	58	58	60	60	58	57

MPC 225 E2 T21   137885	
Voltage U <sub>N</sub>	230 V 1~
Current I <sub>max</sub>	2,1 A
Ambient temperature t <sub>A</sub>	80 °C
Conveyed medium temperature t <sub>M</sub>	80 °C
Speed Control	V
Motor protection	TAO
Insulation class motor	F
Weight	35,9 kg
Number of poles	2
IP motor	IP54
IP terminal box	-
IP complete unit	-
Min. operating temperature	-25 °C

# DATA SHEET

## MPC 250 E2 T20 | 126679



- Motor outside of air stream
- Galvanized sheet steel double wall casing
- Speed controllable
- Bottom pan with drain
- 30 mm insulation

— ErP compliant range

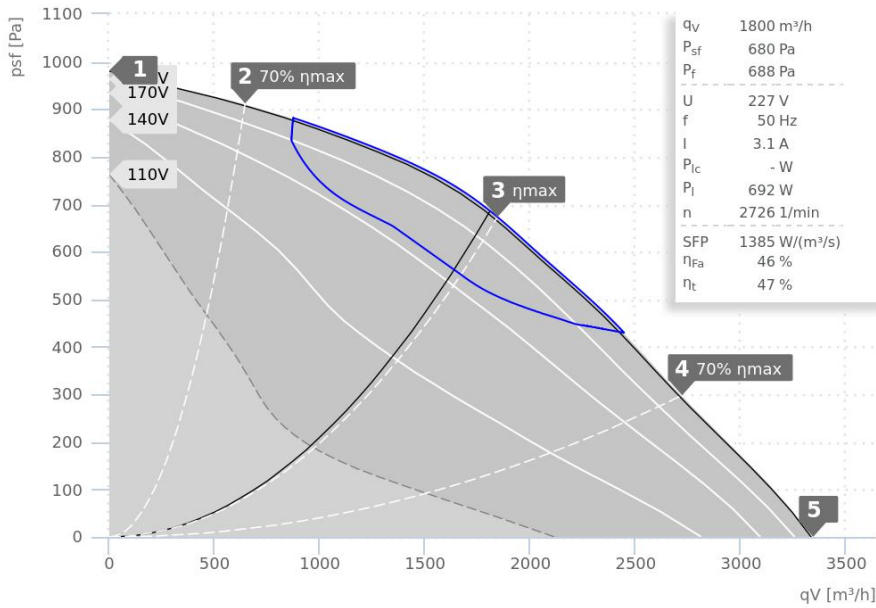
Operating Point		1	2	3	4	5
Current I	A	1,0	1,5	2,0	1,8	1,5
Power consumption P <sub>i</sub>	W	212	332	450	408	343
Rotation speed n	1/min	2943	2896	2850	2871	2895
SWL inlet L <sub>WA5</sub>	dB(A)	76	77	77	80	83
SWL outlet L <sub>WA6</sub>	dB(A)	82	80	79	83	85
SWL housing break out L <sub>WA2</sub>	dB(A)	73	73	73	73	75

Sound power (L <sub>w</sub> ) dB(A)		Medium Frequency Band								
		Σ	63	125	250	500	1k	2k	4k	8k
Inlet	L <sub>WA5</sub>	77	54	57	67	71	70	70	69	63
Outlet	L <sub>WA6</sub>	79	54	56	70	71	74	74	70	66
Housing radiation	L <sub>WA2</sub>	73	62	57	59	66	68	67	65	60

MPC 250 E2 T20   126679	
Voltage U <sub>N</sub>	230 V 1~
Current I <sub>max</sub>	3,4 A
Ambient temperature t <sub>A</sub>	80 °C
Conveyed medium temperature t <sub>M</sub>	80 °C
Speed Control	V
Motor protection	TAO
Insulation class motor	F
Weight	44,0 kg
Number of poles	2
IP motor	IP54
IP terminal box	-
IP complete unit	-
Min. operating temperature	-25 °C

# DATA SHEET

## MPC 280 E2 T20 | 126681



- Motor outside of air stream
- Galvanized sheet steel double wall casing
- Speed controllable
- Bottom pan with drain
- 30 mm insulation

— ErP compliant range

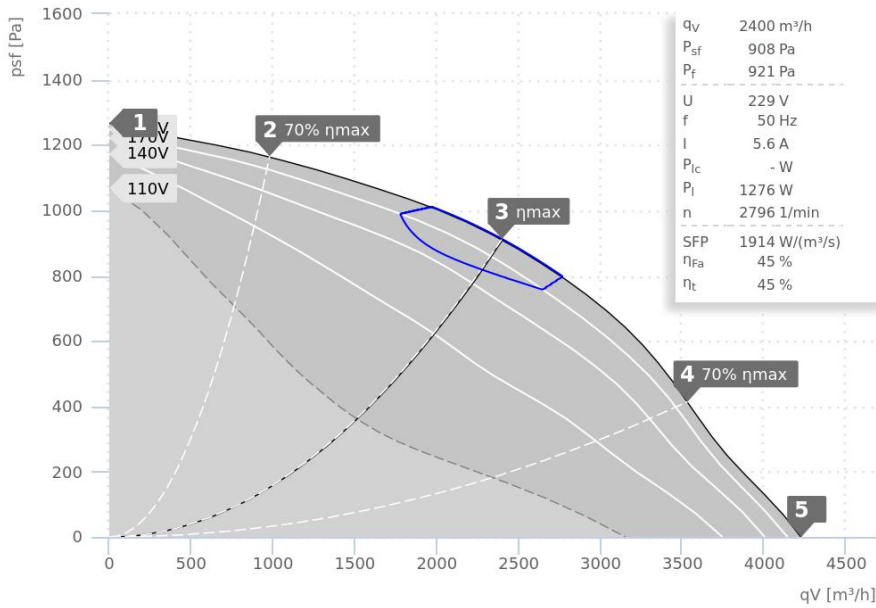
Operating Point		1	2	3	4	5
Current I	A	1,6	2,2	3,1	2,9	2,5
Power consumption P <sub>i</sub>	W	314	479	697	649	551
Rotation speed n	1/min	2904	2836	2738	2765	2815
SWL inlet L <sub>WA5</sub>	dB(A)	83	81	80	82	85
SWL outlet L <sub>WA6</sub>	dB(A)	84	82	82	86	88
SWL housing break out L <sub>WA2</sub>	dB(A)	79	78	75	76	77

Sound power (L <sub>w</sub> ) dB(A)		Medium Frequency Band								
		Σ	63	125	250	500	1k	2k	4k	8k
Inlet	L <sub>WA5</sub>	79	53	62	70	73	72	73	71	66
Outlet	L <sub>WA6</sub>	82	58	62	74	74	76	76	72	64
Housing radiation	L <sub>WA2</sub>	75	53	59	64	66	69	70	68	64

MPC 280 E2 T20   126681	
Voltage U <sub>N</sub>	230 V 1~
Current I <sub>max</sub>	4,1 A
Ambient temperature t <sub>A</sub>	75 °C
Conveyed medium temperature t <sub>M</sub>	80 °C
Speed Control	V
Motor protection	TAO
Insulation class motor	F
Weight	46,0 kg
Number of poles	2
IP motor	IP54
IP terminal box	-
IP complete unit	-
Min. operating temperature	-25 °C

# DATA SHEET

## MPC 315 E2 T21 | 136829



- Motor outside of air stream
- Galvanized sheet steel double wall casing
- Speed controllable
- Bottom pan with drain
- 30 mm insulation

— ErP compliant range

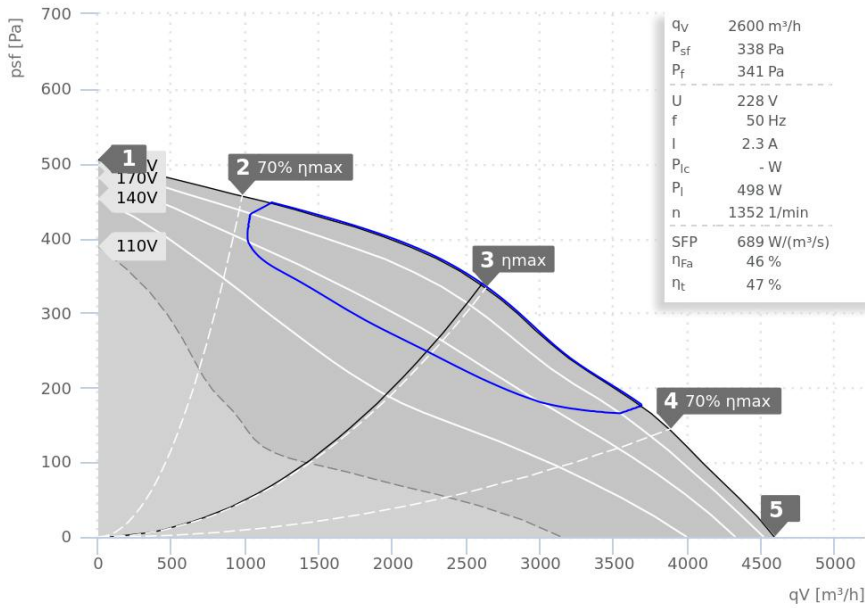
Operating Point		1	2	3	4	5
Current $I$	A	2,9	4,2	5,6	5,3	4,6
Power consumption $P_1$	W	616	962	1280	1219	1040
Rotation speed $n$	1/min	2922	2862	2800	2820	2860
SWL inlet $L_{WA5}$	dB(A)	85	85	83	86	89
SWL outlet $L_{WA6}$	dB(A)	88	88	85	89	91
SWL housing break out $L_{WA2}$	dB(A)	77	78	74	76	78

Sound power ( $L_W$ ) dB(A)		Medium Frequency Band								
		$\Sigma$	63	125	250	500	1k	2k	4k	8k
Inlet	$L_{WA5}$	83	50	59	74	77	76	77	76	69
Outlet	$L_{WA6}$	85	51	63	79	77	79	78	74	68
Housing radiation	$L_{WA2}$	74	52	61	66	66	67	68	65	60

MPC 315 E2 T21   136829	
Voltage $U_N$	230 V 1~
Current $I_{max}$	7,6 A
Ambient temperature $t_A$	50 °C
Conveyed medium temperature $t_M$	80 °C
Speed Control	V
Motor protection	TAO
Insulation class motor	F
Weight	41,3 kg
Number of poles	2
IP motor	IP54
IP terminal box	-
IP complete unit	-
Min. operating temperature	-25 °C

# DATA SHEET

## MPC 400 E4 T21 | 136887



- Motor outside of air stream
- Galvanized sheet steel double wall casing
- Speed controllable
- Bottom pan with drain
- 30 mm insulation

— ErP compliant range

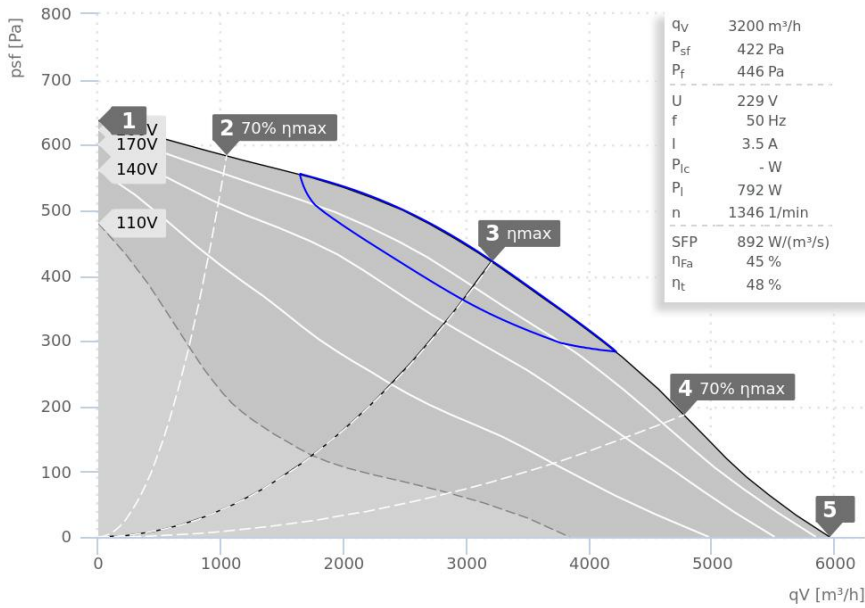
Operating Point		1	2	3	4	5
Current $I$	A	1,3	1,8	2,3	2,1	1,8
Power consumption $P_1$	W	245	366	500	447	371
Rotation speed $n$	1/min	1446	1404	1356	1382	1410
SWL inlet $L_{WA5}$	dB(A)	72	72	71	76	79
SWL outlet $L_{WA6}$	dB(A)	76	75	74	77	81
SWL housing break out $L_{WA2}$	dB(A)	65	65	63	65	67

Sound power ( $L_W$ ) dB(A)		Medium Frequency Band								
		$\Sigma$	63	125	250	500	1k	2k	4k	8k
Inlet	$L_{WA5}$	71	40	63	63	66	64	62	58	54
Outlet	$L_{WA6}$	74	39	61	61	67	70	66	61	58
Housing radiation	$L_{WA2}$	63	40	60	51	57	56	51	50	43

MPC 400 E4 T21   136887	
Voltage $U_N$	230 V 1~
Current $I_{max}$	2,8 A
Ambient temperature $t_A$	80 °C
Conveyed medium temperature $t_M$	80 °C
Speed Control	V
Motor protection	TAO
Insulation class motor	F
Weight	59,0 kg
Number of poles	4
IP motor	IP54
IP terminal box	-
IP complete unit	-
Min. operating temperature	-25 °C

# DATA SHEET

## MPC 450 E4 T20 | 126624



- Motor outside of air stream
- Galvanized sheet steel double wall casing
- Speed controllable
- Bottom pan with drain
- 30 mm insulation

— ErP compliant range

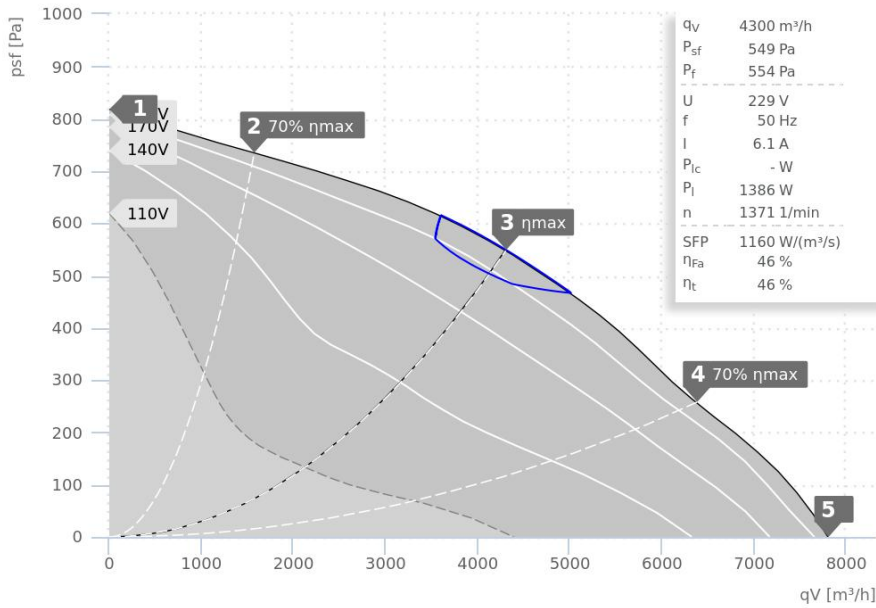
Operating Point		1	2	3	4	5
Current I	A	1,7	2,3	3,5	3,2	2,8
Power consumption P <sub>1</sub>	W	375	516	794	729	630
Rotation speed n	1/min	1445	1412	1348	1368	1395
SWL inlet L <sub>WA5</sub>	dB(A)	76	76	76	80	83
SWL outlet L <sub>WA6</sub>	dB(A)	80	79	79	82	86
SWL housing break out L <sub>WA2</sub>	dB(A)	70	70	70	72	74

Sound power (L <sub>W</sub> ) dB(A)		Medium Frequency Band								
		Σ	63	125	250	500	1k	2k	4k	8k
Inlet	L <sub>WA5</sub>	76	46	69	67	70	70	67	62	61
Outlet	L <sub>WA6</sub>	79	47	68	68	74	75	71	66	57
Housing radiation	L <sub>WA2</sub>	70	53	63	60	64	64	60	56	58

MPC 450 E4 T20   126624	
Voltage U <sub>N</sub>	230 V 1~
Current I <sub>max</sub>	4,5 A
Ambient temperature t <sub>A</sub>	65 °C
Conveyed medium temperature t <sub>M</sub>	65 °C
Speed Control	V
Motor protection	TAO
Insulation class motor	F
Weight	73,0 kg
Number of poles	4
IP motor	IP54
IP terminal box	IP54
IP complete unit	IPX4
Min. operating temperature	-25 °C

# DATA SHEET

## MPC 500 E4 T22 | 141186



- Motor outside of air stream
- Galvanized sheet steel double wall casing
- Speed controllable
- Bottom pan with drain
- 30 mm insulation

— ErP compliant range

Operating Point		1	2	3	4	5
Current I	A	3,2	4,4	6,1	6,0	5,3
Power consumption P <sub>1</sub>	W	642	986	1391	1371	1218
Rotation speed n	1/min	1449	1422	1373	1381	1400
SWL inlet L <sub>WA5</sub>	dB(A)	80	81	80	83	85
SWL outlet L <sub>WA6</sub>	dB(A)	84	85	84	87	89
SWL housing break out L <sub>WA2</sub>	dB(A)	72	73	71	74	77

Sound power (L <sub>W</sub> ) dB(A)		Medium Frequency Band								
		Σ	63	125	250	500	1k	2k	4k	8k
Inlet	L <sub>WA5</sub>	80	49	69	71	74	74	73	69	61
Outlet	L <sub>WA6</sub>	84	50	73	72	78	78	76	72	63
Housing radiation	L <sub>WA2</sub>	71	54	66	63	64	60	58	59	54

MPC 500 E4 T22   141186	
Voltage U <sub>N</sub>	230 V 1~
Current I <sub>max</sub>	7,9 A
Ambient temperature t <sub>A</sub>	40 °C
Conveyed medium temperature t <sub>M</sub>	80 °C
Speed Control	V
Motor protection	TAO
Insulation class motor	F
Weight	80,8 kg
Number of poles	4
IP motor	IP54
IP terminal box	-
IP complete unit	-
Min. operating temperature	-25 °C