AP 178 E

PURCHASE CODES

AP 178 E single-phase	3RAP178

SPARE PARTS

Cooling element	1RO92302
Fan grill	1GPR178
Frame	3CN178.1
Housing	3TL178.1
Electric Fan for 3RAP178	1VNAP178230

PERFOMANCE DIAGRAM

kr [kcal/h°C]	kW [kW/°C]
36	
34	
32	0,0375
30	0,035
28	0,0325
26	0,03
24	0,0275
22	0,025
20	l/min

2 4 6 8 10 12

PRESSURE DROP DIAGRAM

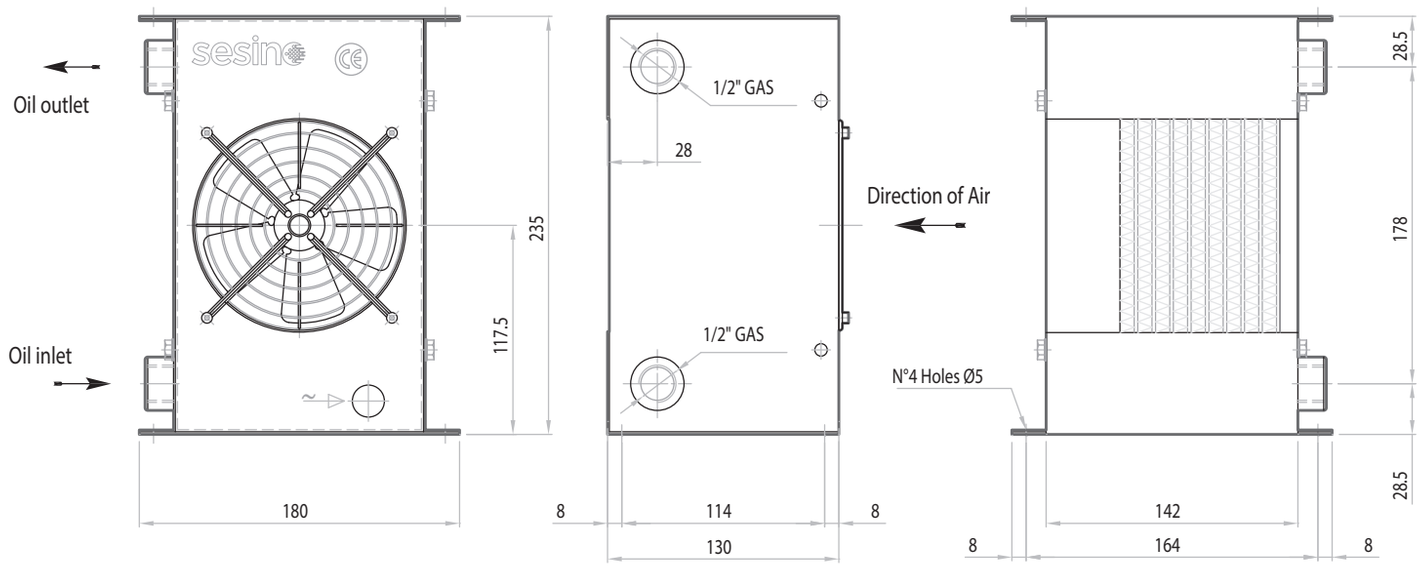
Bar
0,25
0,2
0,15
0,1
0,05
0

2 4 6 8 10 12 l/min

CORRECTION FACTOR

cSt	22	30	46	68	100	150	220
f	0,6	1	1,5	2,3	3,5	5	7

- Dimensions and technical characteristics are not binding



OIL FLOW	CAPACITY	VOLTAGE	FREQUENCY	POWER	CURRENT	AIR FLOW	PROTECTION	NOISE LEVEL	WEIGHT	ø FAN
l/min	l	V	hz	W	A	m³/h	IP	dB(A)	kg	mm
1-10	0,5	230	50/60	19/18	1,2/1,1	125	54	55	4	125

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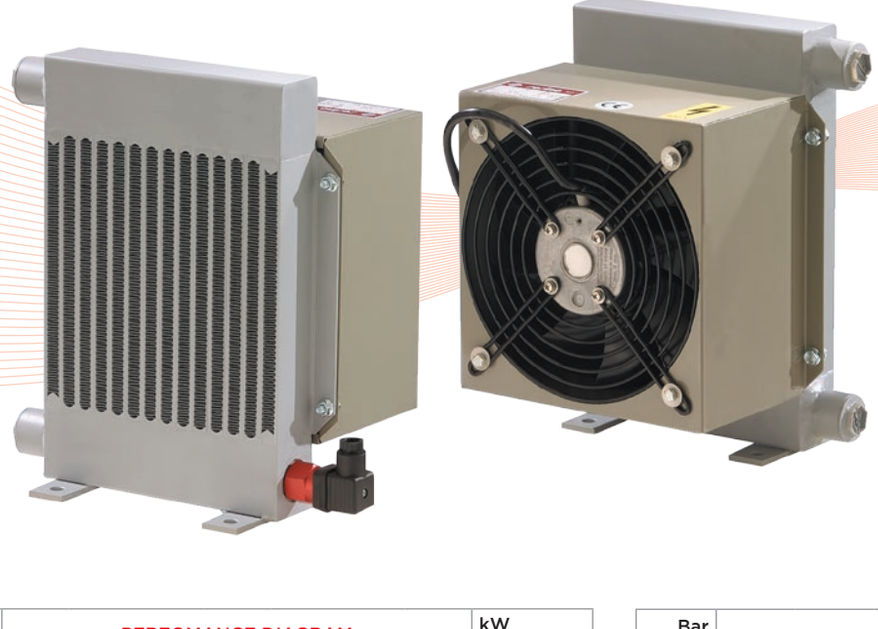
AP 260 E



PURCHASE CODES

AP 260 E single-phase	3RAP260T1
AP 260 E three-phase	3RAP26038T1

SPARE PARTS

Cooling element	3RNAP260
Thermo-switch 55-42 IP54	1TRM55-42
Frame	3CNAP260CA.1
Electric Fan for 3RAP260T1	1VNA2E200.1
Electric Fan for 3RAP26038T1	1VNA2D200

PERFOMANCE DIAGRAM

kr [kcal/h°C]	kW [kW/°C]
120	0,14
118	
116	0,135
114	
112	0,0325
110	
108	0,13
106	
104	0,125
102	
100	0,12
98/0	l/min

5 15 25 35 45 55 65

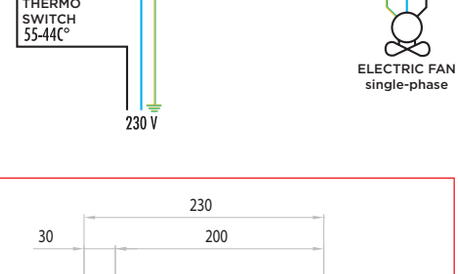
CORRECTION FACTOR

cSt	22	30	46	68	100	150	220
f	0,6	1	1,5	2,3	3,5	5	7

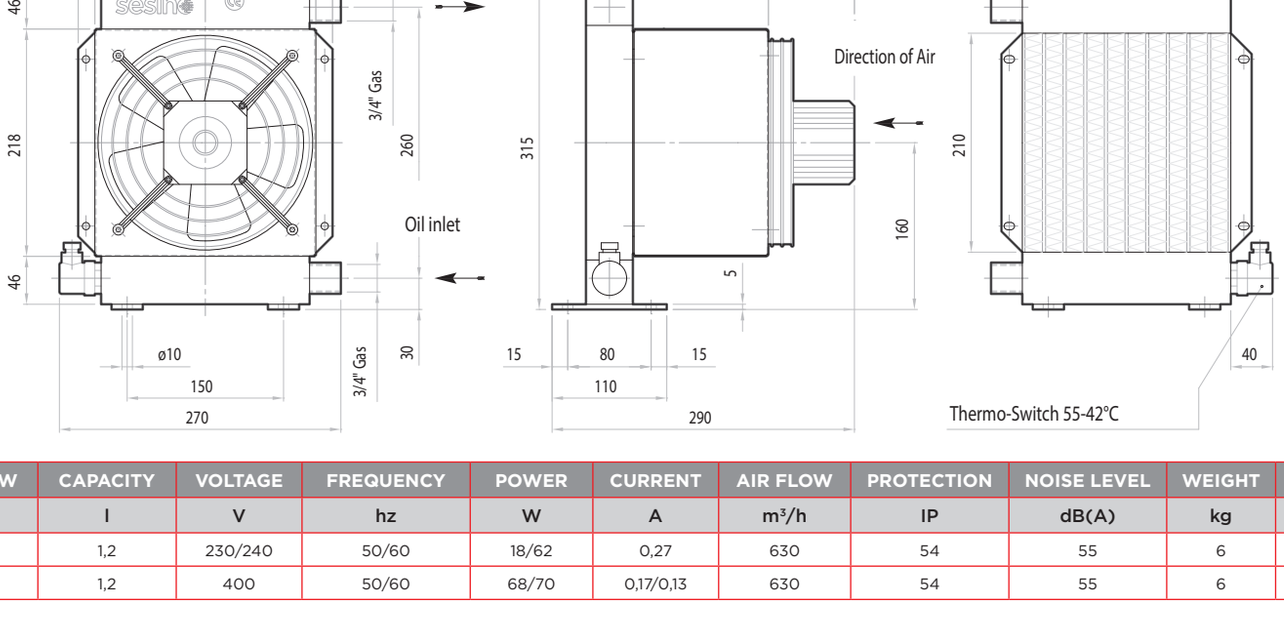
PRESSURE DROP DIAGRAM

Bar	
1,2	
1	
0,8	
0,6	
0,4	
0,2	
0	l/min

5 15 25 35 45 55 65



- Dimensions and technical characteristics are not binding



OIL FLOW	CAPACITY	VOLTAGE	FREQUENCY	POWER	CURRENT	AIR FLOW	PROTECTION	NOISE LEVEL	WEIGHT	ø FAN
l/min	l	V	hz	W	A	m³/h	IP	dB(A)	kg	mm
50-60	1,2	230/240	50/60	18/62	0,27	630	54	55	6	200
50-60	1,2	400	50/60	68/70	0,17/0,13	630	54	55	6	200

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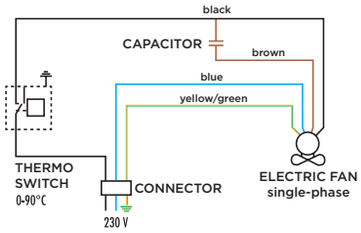
AP 300 E

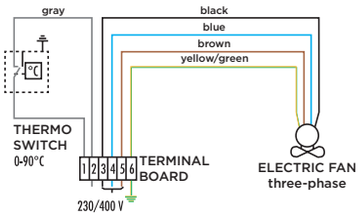
PURCHASE CODES

AP 300 E single-phase	3RAP300
AP 300 E three-phase	3RAP30038

SPARE PARTS

Cooling element	3RNAP300
Frame	3CNAP300
Housing	1300TLV
Adjustable thermo-switch	1TRM0-90
Electric fan for 3RAP300	1VNA2E250G
Electric fan for 3RAP30038	1VNA2D250.2
Electric junction box for 3RAP30038	1CSSDSAREL



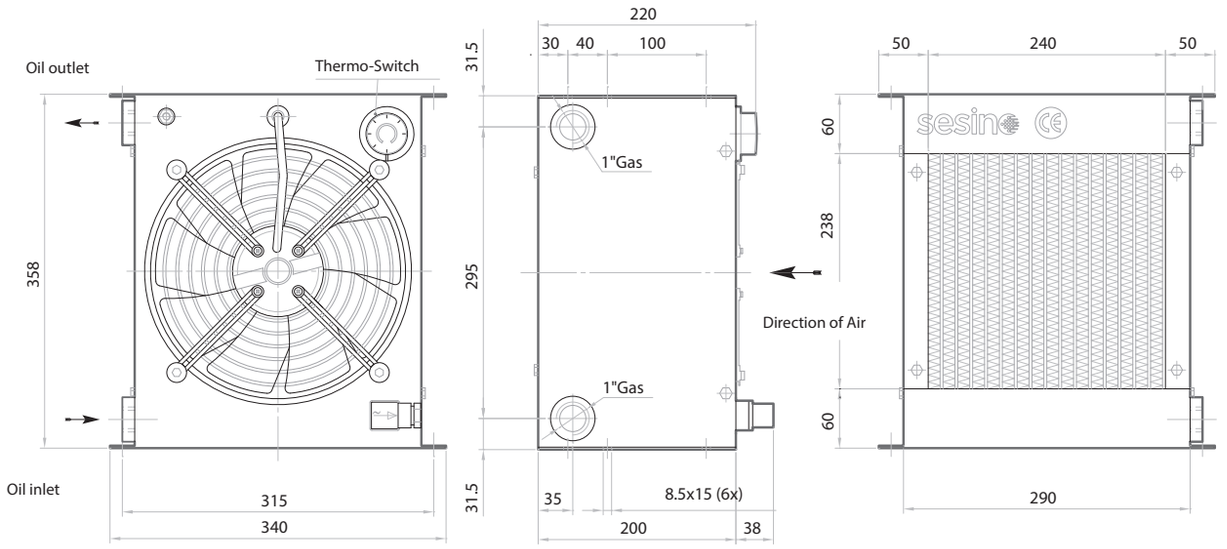


kr [kcal/h°C]	PERFOMANCE DIAGRAM									kW [kW/°C]
180										
170										0,20
160										0,19
150										0,18
140										0,17
130										0,16
120										0,15
110/0	10	20	30	40	50	60	70	80	90	0,14 l/min

Bar	PRESSURE DROP DIAGRAM									
1,2										
1										
0,8										
0,6										
0,4										
0,2										
0	10	20	30	40	50	60	70	80	90	l/min

CORRECTION FACTOR							
cSt	22	30	46	68	100	150	220
f	0,6	1	1,5	2,3	3,5	5	7

- Dimensions and technical characteristics are not binding



OIL FLOW	CAPACITY	VOLTAGE	FREQUENCY	POWER	CURRENT	AIR FLOW	PROTECTION	NOISE LEVEL	WEIGHT	ø FAN
l/min	l	V	hz	W	A	m³/h	IP	dB(A)	kg	mm
10-80	2	230	50/60	115/150	0,51/0,66	910	54	74	12	250
10-80	2	400	50/60	0,20/0,23	100/140	950	54	73	12	250

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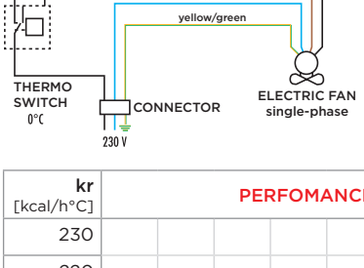
AP 300/2 E

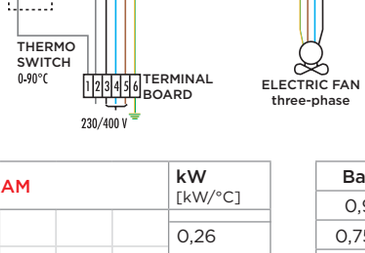
PURCHASE CODES

AP 300/2 E single-phase	3RAP302
AP 300/2 E three-phase	3RAP30238

SPARE PARTS

Cooling element	3RNAP302
Frame	3CNAP302
Housing	1302TLV
Adjustable thermo-switch	1TRM0-90
Electric fan for 3RAP302	1VNA2E250G
Electric fan for 3RAP30238	1VNA2D250.2
Electric junction box for 3RAP30038	1CSSDSAREL



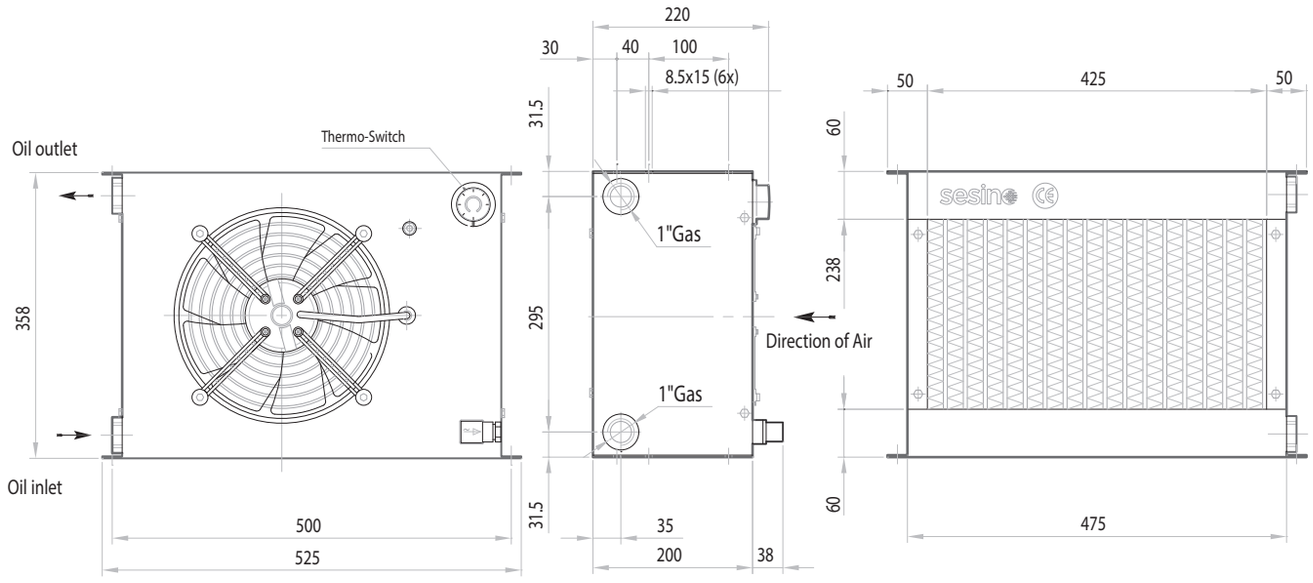


kr [kcal/h°C]	PERFOMANCE DIAGRAM	kW [kW/°C]
230		0,26
220		0,25
210		0,24
200		0,23
190		0,22
180		0,21
170		0,2
160/0	20 40 60 80 100 120 140 160 180	l/min

Bar	PRESSURE DROP DIAGRAM
0,9	
0,75	
0,6	
0,45	
0,3	
0,15	
0	20 40 60 80 100 120 140 160 180 l/min

CORRECTION FACTOR							
cSt	22	30	46	68	100	150	220
f	0,6	1	1,5	2,3	3,5	5	7

- Dimensions and technical characteristics are not binding



OIL FLOW	CAPACITY	VOLTAGE	FREQUENCY	POWER	CURRENT	AIR FLOW	PROTECTION	NOISE LEVEL	WEIGHT	ø FAN
l/min	l	V	hz	W	A	m³/h	IP	dB(A)	kg	mm
20-160	3,6	230	50/60	115/150	0,51/0,66	1.300	54	75	17	250
20-160	3,6	400	50/60	0,20/0,23	100/140	1.300	54	73	12	250

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AP 680 EB

PURCHASE CODES

AP 680 EB three-phase	**3RAP680EB**

SPARE PARTS

Adjustable thermo-switch	1TRM0-90
Shock isolating mounting (4 pcs)	3KIT4135
Electric junction box	1CSSDSAREL
Cooling element	3RNAP680E
Electric fan	1VNA4D500DV
Frame	3CNAP680EB.1

PERFOMANCE DIAGRAM

kr [kcal/h°C]	kW [kW/°C]
950	1,1
925	
900	1,05
875	
850	1
825	0,95
775	0,9
750	

725/75	100	125	150	175	200	225	250	275	300	325	l/min

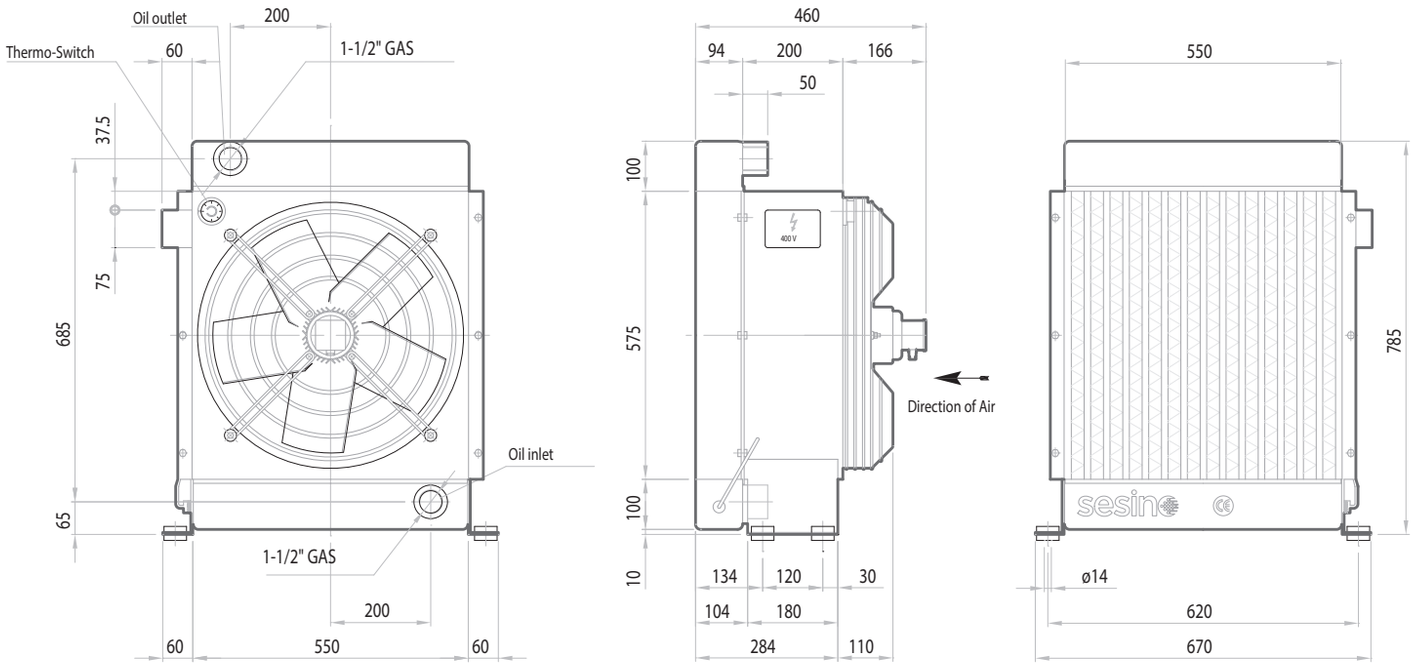
PRESSURE DROP DIAGRAM

Bar	0/75	100	125	150	175	200	225	250	275	300	325	l/min
2												
1,75												
1,5												
1,25												
1												
0,75												
0,5												
0,25												

CORRECTION FACTOR

cSt	22	30	46	68	100	150	220
f	0,6	1	1,5	2,3	3,5	5	7

Dimensions and technical characteristics are not binding



OIL FLOW	CAPACITY	VOLTAGE	FREQUENCY	POWER	CURRENT	AIR FLOW	PROTECTION	NOISE LEVEL	WEIGHT	ø FAN
l/min	l	V	hz	W	A	m³/h	IP	dB(A)	kg	mm
100-300	15	230/400	50	690	2,34	6.300	54	72	62	500
100-300	15	277/480	60	1050	2,72	8.800	54	75	62	500

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AP 730 EB

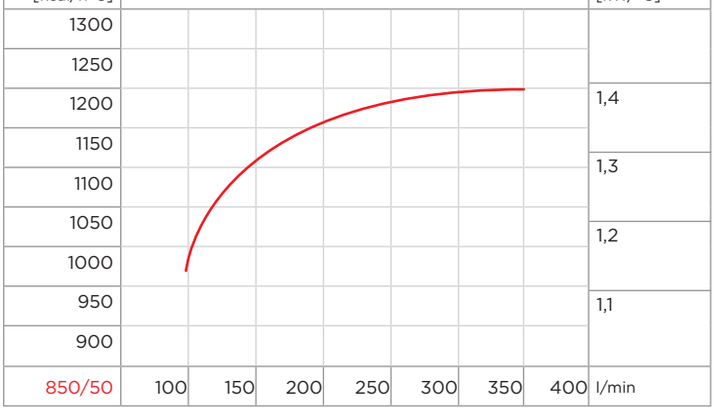
PURCHASE CODES

AP 730 EB three-phase	**3RAP730EB**

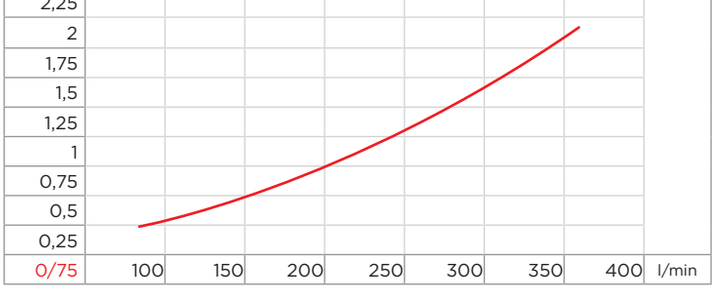
SPARE PARTS

Adjustable thermo-switch	1TRM0-90
Shock isolating mounting (4 pcs)	3KIT4232
Electric junction box	1CSSDSAREL
Cooling element	3RNAP730E
Electric fan	1VNA4D500DV
Frame	3CNAP730EB.1

PERFOMANCE DIAGRAM



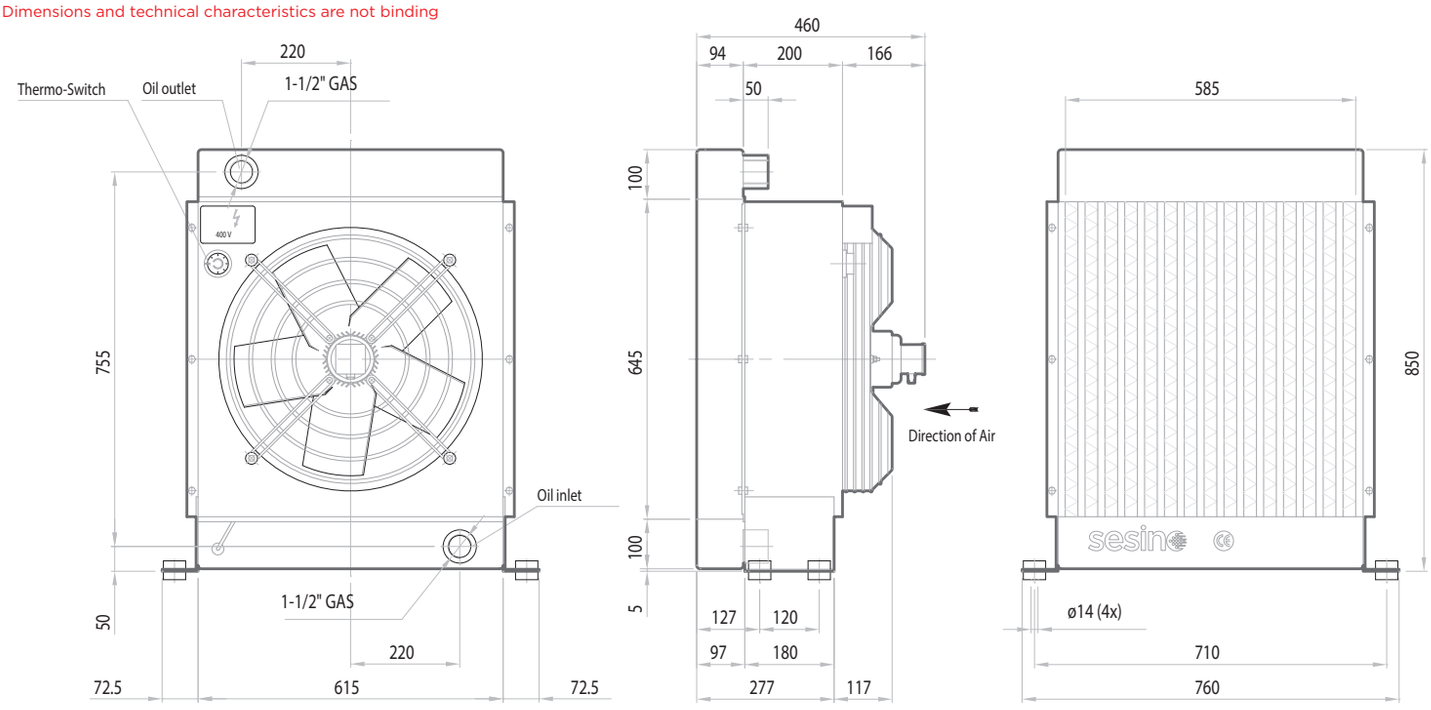
PRESSURE DROP DIAGRAM



CORRECTION FACTOR

cSt	22	30	46	68	100	150	220
f	0,6	1	1,5	2,3	3,5	5	7

Dimensions and technical characteristics are not binding



OIL FLOW	CAPACITY	VOLTAGE	FREQUENCY	POWER	CURRENT	AIR FLOW	PROTECTION	NOISE LEVEL	WEIGHT	ø FAN
l/min	l	V	hz	W	A	m³/h	IP	dB(A)	kg	mm
100-300	15	230/400	50	690	2,34	6.300	54	72	62	500
100-300	15	277/480	60	1050	2,72	8.800	54	75	62	500

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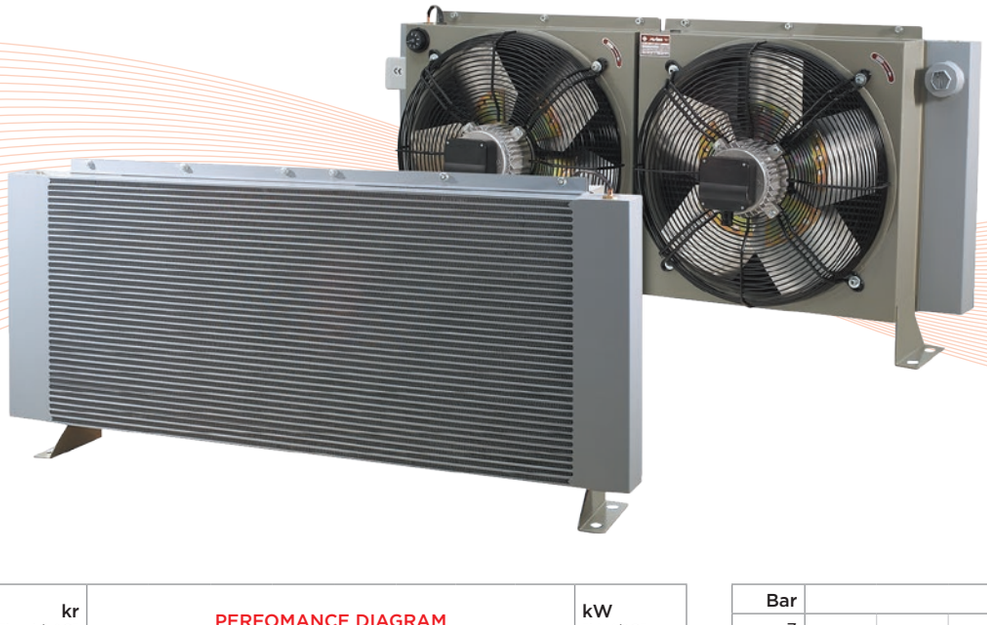
AP 2/680 EB



PURCHASE CODES

AP 2/680 EB three-phase	**3RAP2/680EB**

SPARE PARTS

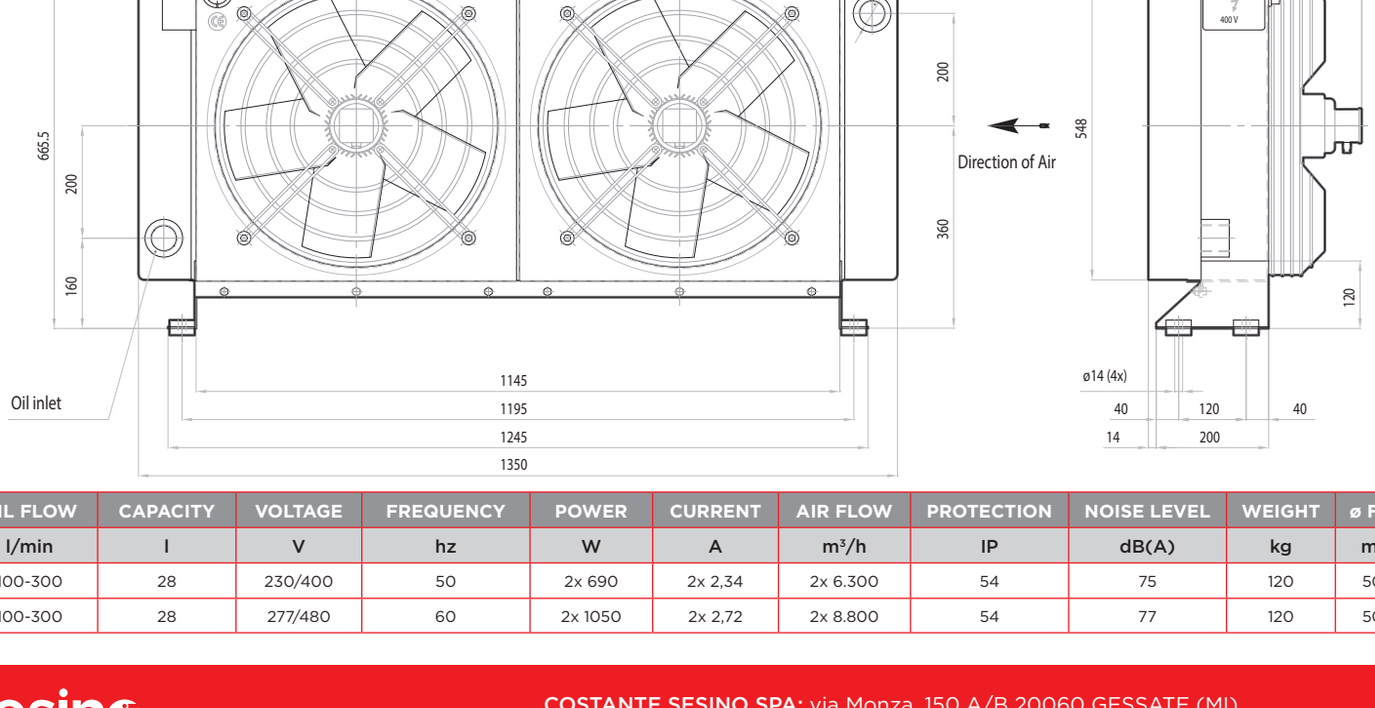
Thermo-switch	1TRM0-90
Shock isolating mounting (4 pcs)	3KIT4232
Electric junction box	1CSSDSAREL
Cooling element	1RO01339
Electric fan	1VNA4D500DV
Frame	3CNAP2/680EB.1

kr [kcal/h°C]	PERFOMANCE DIAGRAM	kW [kW/°C]
2100		
2025		2,37
1950		2,25
1875		
1800		2,12
1725		2
1650		
1575		1,87
1500/0	50 100 150 200 250 300 350 400	l/min

Bar	PRESSURE DROP DIAGRAM	
3		
2,75		
2,5		
2,25		
2		
1,75		
1,5		
1,25		
1		
0,75		
0,50		
0,25		
0	50 100 150 200 250 300 350 400	l/min

CORRECTION FACTOR							
cSt	22	30	46	68	100	150	220
f	0,6	1	1,5	2,3	3,5	5	7

- Dimensions and technical characteristics are not binding



OIL FLOW	CAPACITY	VOLTAGE	FREQUENCY	POWER	CURRENT	AIR FLOW	PROTECTION	NOISE LEVEL	WEIGHT	ø FAN
l/min	l	V	hz	W	A	m³/h	IP	dB(A)	kg	mm
100-300	28	230/400	50	2x 690	2x 2,34	2x 6.300	54	75	120	500
100-300	28	277/480	60	2x 1050	2x 2,72	2x 8.800	54	77	120	500

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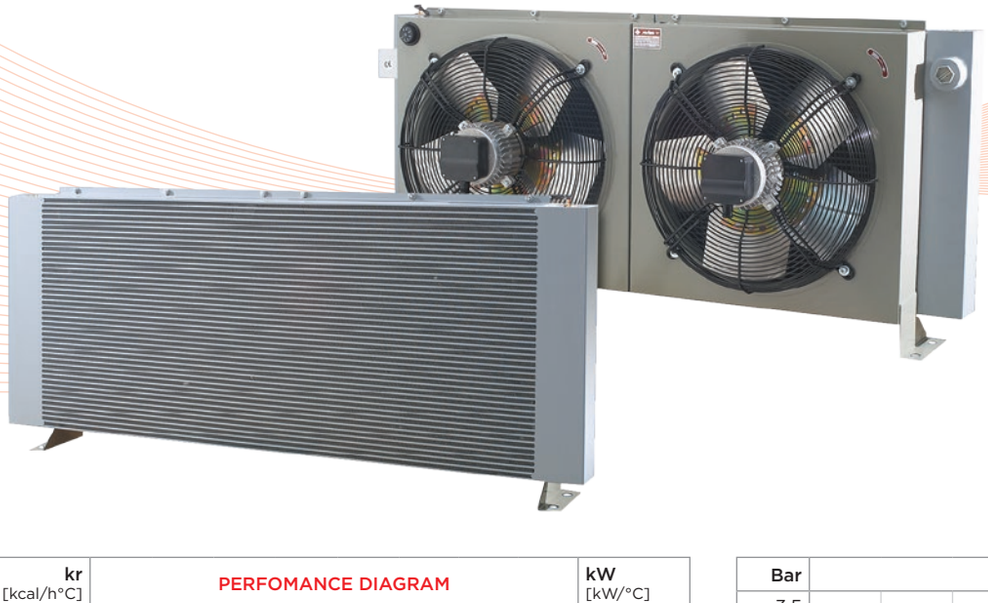
AP 2/730 EB



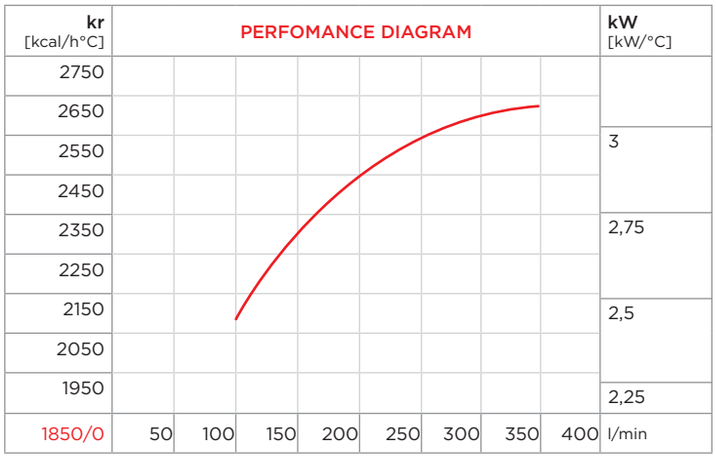
PURCHASE CODES

AP 2/730 EB three-phase	**3RAP2/730EB**

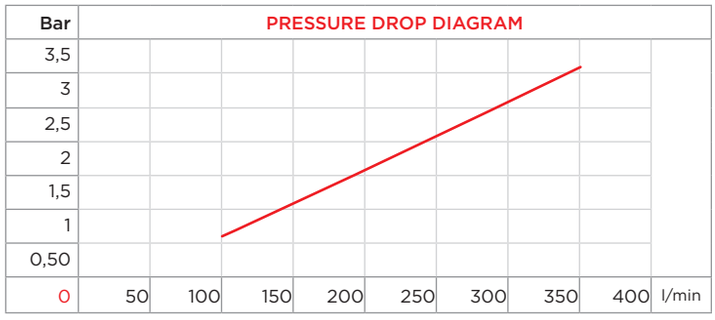
SPARE PARTS

Thermo-switch	1TRM0-90
Shock isolating mounting (4 pcs)	3KIT4232
Electric junction box	1CSSDSAREL
Cooling element	1RO02357
Electric fan	1VNA4D500DV
Frame	3CNAP2/730EB.1

PERFOMANCE DIAGRAM



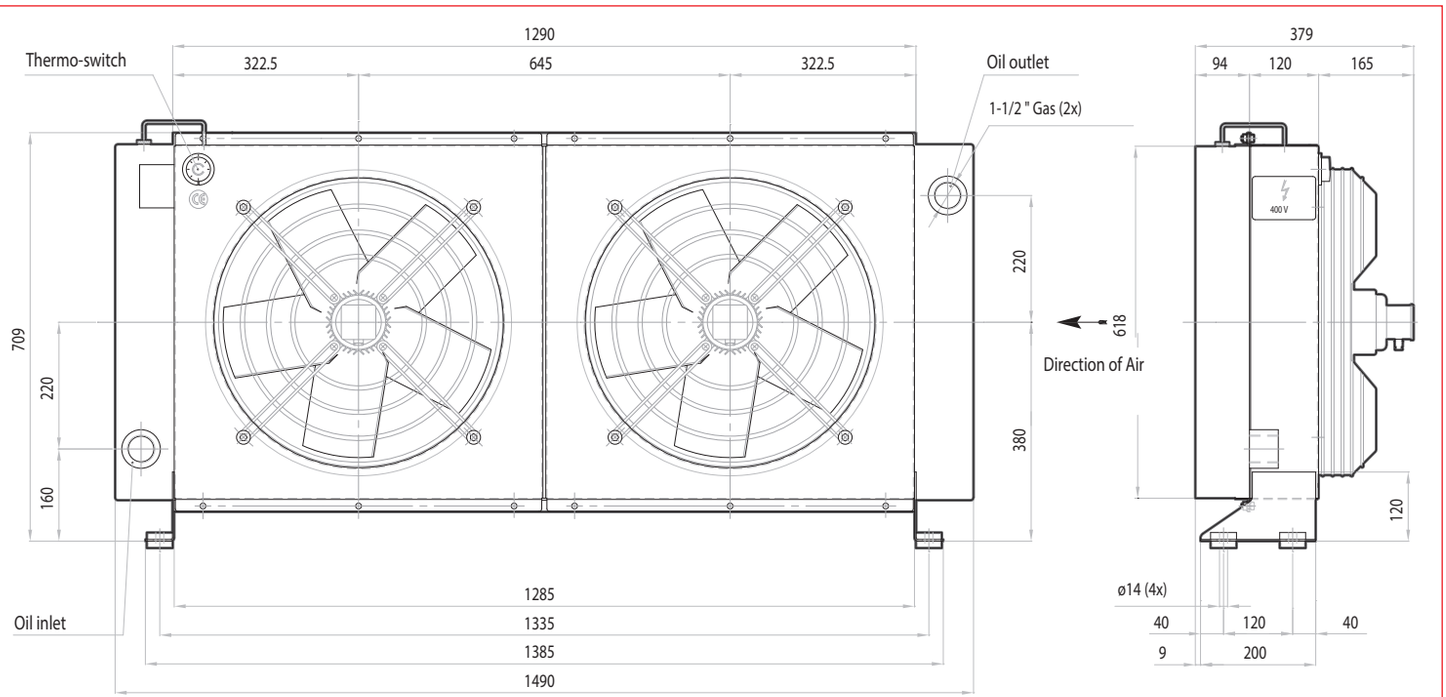
PRESSURE DROP DIAGRAM



CORRECTION FACTOR

cSt	22	30	46	68	100	150	220
f	0,6	1	1,5	2,3	3,5	5	7

- Dimensions and technical characteristics are not binding



OIL FLOW	CAPACITY	VOLTAGE	FREQUENCY	POWER	CURRENT	AIR FLOW	PROTECTION	NOISE LEVEL	WEIGHT	ø FAN
l/min	l	V	hz	W	A	m³/h	IP	dB(A)	kg	mm
100-350	30	230/400	50	2x 690	2x 2,34	2x 6.300	54	75	140	500
100-350	30	277/480	60	2x 1050	2x 2,72	2x 8.800	54	77	140	500

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AP 2/830 EB

PURCHASE CODES

AP 2/830 EB three-phase	**3REO91247**

SPARE PARTS

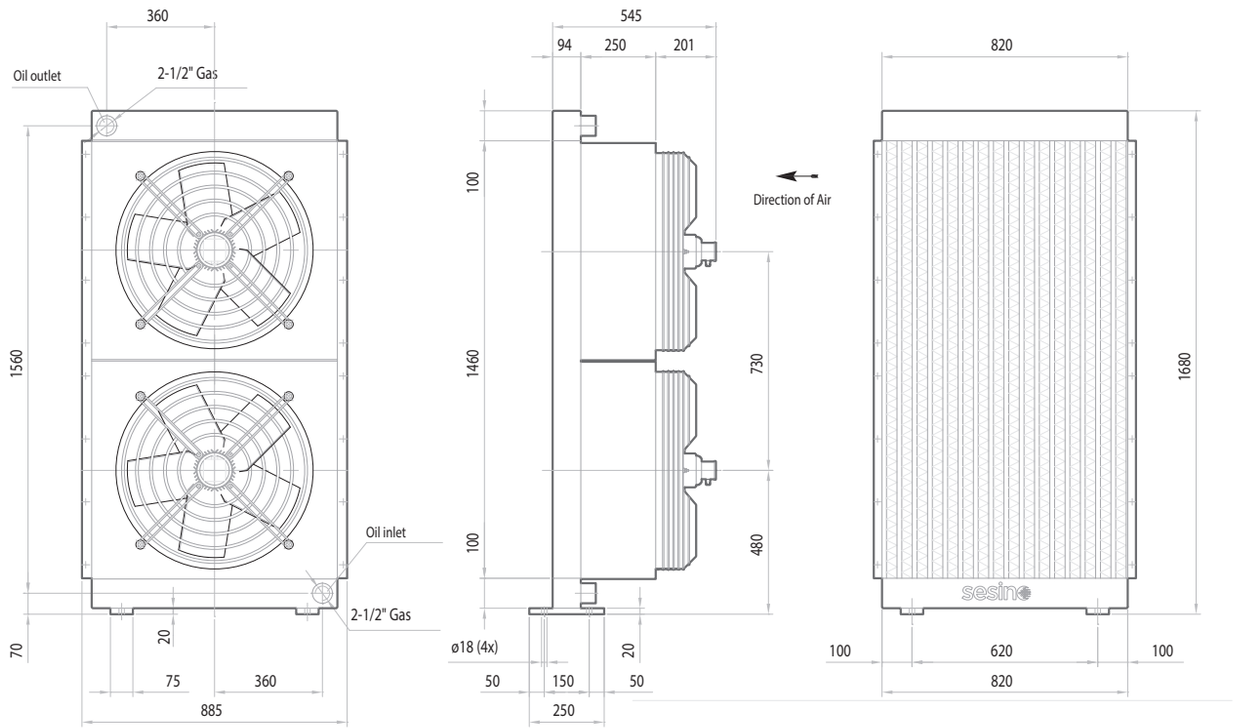
Frame	3CNE091247.1
Cooling element	3RNEO91247
Electric fan for 3REO91247	1VNA4D560DV

kr [kcal/h°C]	PERFOMANCE DIAGRAM							kW [kW/°C]
4000								
3850								4,5
3700								4,25
3550								
3400								4
3250								3,75
3100								3,5
2950								
2800/100	150	200	250	300	350	400	450	l/min

Bar	PRESSURE DROP DIAGRAM									
5										
4										
3										
2										
1										
0/50	100	150	200	250	300	350	400	450	500	l/min

CORRECTION FACTOR							
cSt	22	30	46	68	100	150	220
f	0,6	1	1,5	2,3	3,5	5	7

- Dimensions and technical characteristics are not binding



OIL FLOW	CAPACITY	VOLTAGE	FREQUENCY	POWER	CURRENT	AIR FLOW	PROTECTION	NOISE LEVEL	WEIGHT	ø FAN
l/min	l	V	hz	W	A	m³/h	IP	dB(A)	kg	mm
150-400	40	400	50	2x 810	2x 1,54	2x 9.500	54	73	180	560
150-400	40	480	60	2x 1300	2x 1,94	2x 11.500	54	75	180	560

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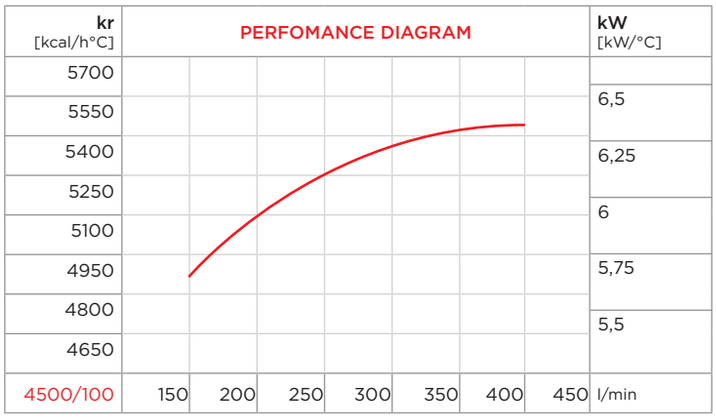
AP 3/830 EB

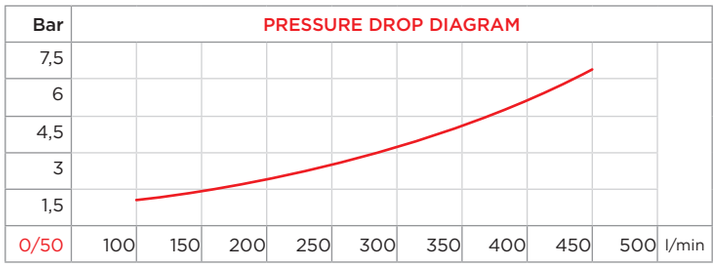
PURCHASE CODES

AP 3/830 EB three-phase	**3REO91278**

SPARE PARTS

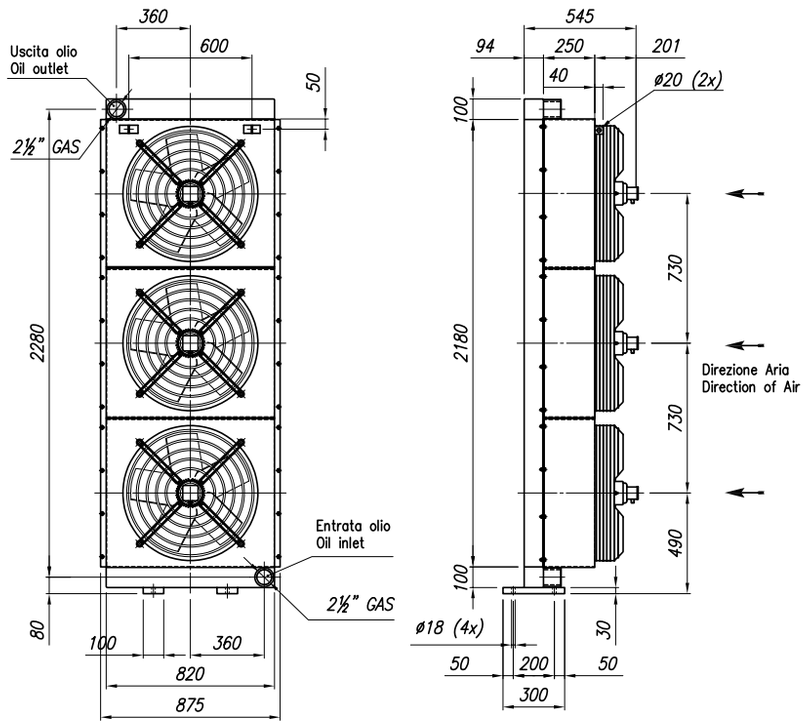
Frame	3CNE091247.1 3CNE091278.1
Cooling element	3RNEO91278
Electric fan	1VNA4D560DV





CORRECTION FACTOR							
cSt	22	30	46	68	100	150	220
f	0,6	1	1,5	2,3	3,5	5	7

- Dimensions and technical characteristics are not binding



OIL FLOW	CAPACITY	VOLTAGE	FREQUENCY	POWER	CURRENT	AIR FLOW	PROTECTION	NOISE LEVEL	WEIGHT	ø FAN
l/min	l	V	hz	W	A	m³/h	IP	dB(A)	kg	mm
150-400	60	400	50	3x 810	3x 1,54	3x 9.500	54	78	260	560
150-400	60	480	60	3x 1300	3x 1,94	3x 11.500	54	78	260	560

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