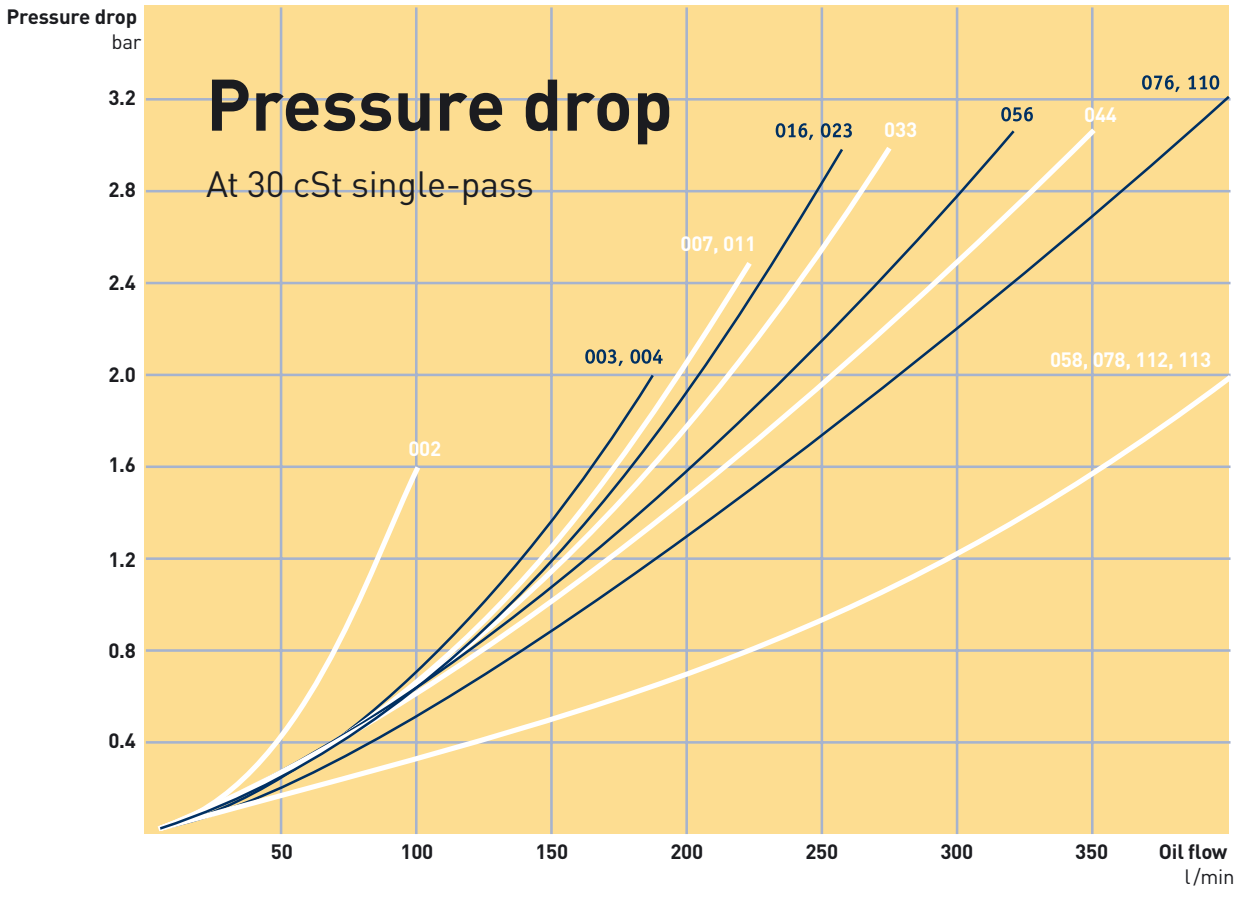
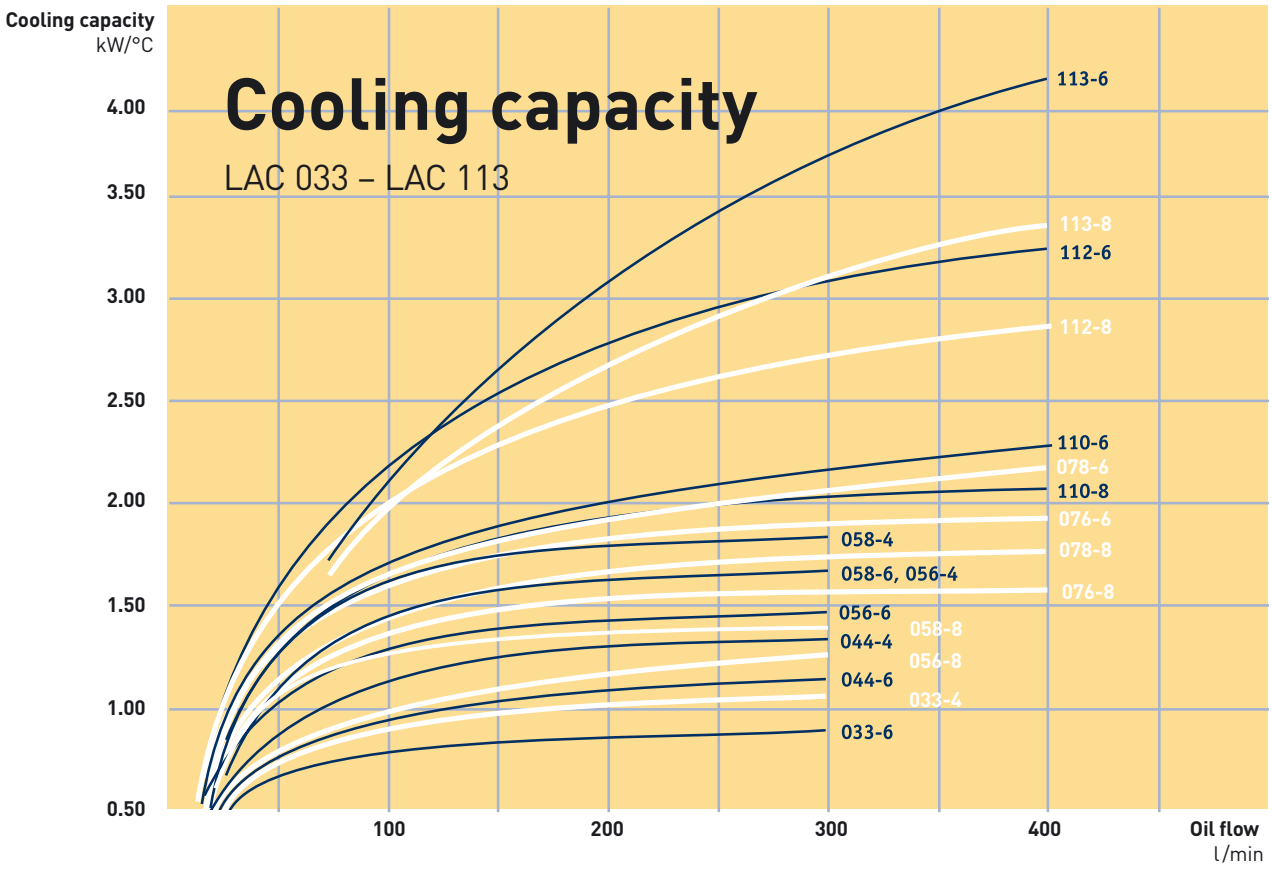
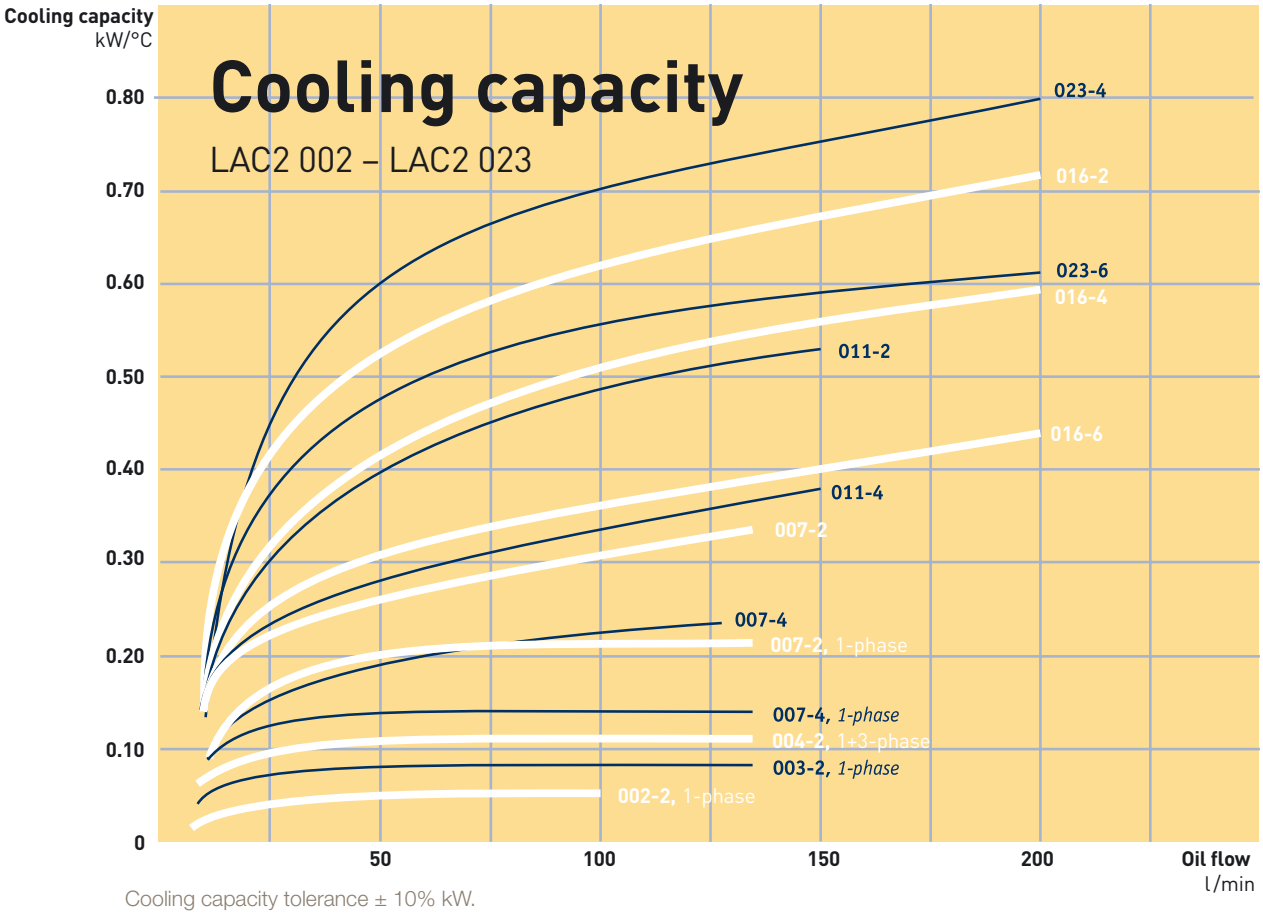


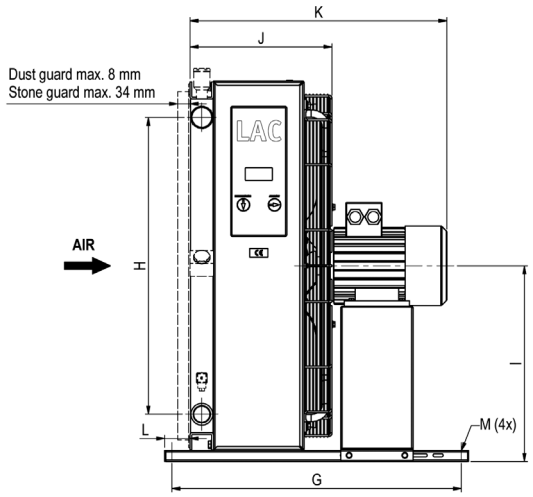
The cooling capacity curves are based on the inlet oil temperature and the ambient air temperature. An oil temperature of 60 °C and an air temperature of 20 °C produce a temperature difference of 40 °C. Multiply by kW/°C for total cooling capacity.







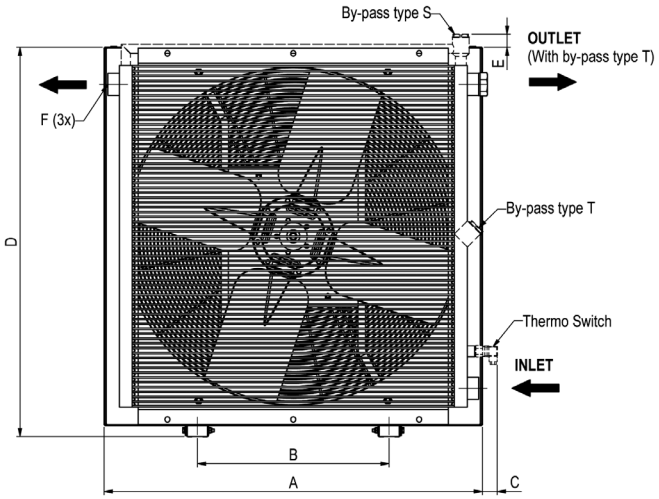
Cooling capacity tolerance ± 10% kW.



TYPE		Acoustic pressure level LpA dB(A) 1m*	No. of poles/ Capacity kW	Weight kg (approx)
LAC2	002-2-single-phase	50	2-0.05	4
LAC2	003-2-single-phase	61	2-0.05	5
LAC2	004-2-single-phase	63	2-0.07	6
LAC2	004-2-single-phase	63	2-0.07	6
LAC2	007-4-single-phase	65	2-0.08	9
LAC2	007-2-single-phase	79	2-0.24	10
LAC2	007-4-three-phase	62	4-0.25	15
LAC2	007-2-three-phase	79	2-0.55	16
LAC2	011-4-three-phase	67	4-0.25	20
LAC2	011-2-three-phase	82	2-1.10	25
LAC2	016-6-three-phase	60	6-0.18	23
LAC2	016-4-three-phase	70	4-0.37	24
LAC2	016-2-three-phase	86	2-1.10	27
LAC2	023-6-three-phase	64	6-0.18	35
LAC2	023-4-three-phase	76	4-0.75	36
LAC	033-6-three-phase	74	6-0.55	45
LAC	033-4-three-phase	84	4-2.20	52
LAC	044-6-three-phase	76	6-0.55	63
LAC	044-4-three-phase	85	4-2.20	65
LAC	056-8-three-phase	73	8-0.75	73
LAC	056-6-three-phase	81	6-1.50	75
LAC	056-4-three-phase	84	4-3.0	75
LAC	058-8-three-phase	74	8-0.75	80
LAC	058-6-three-phase	82	6-1.50	82
LAC	058-4-three-phase	85	4-3.0	82
LAC	076-8-three-phase	79	8-1.10	130
LAC	076-6-three-phase	86	6-2.20	140
LAC	078-8-three-phase	80	8-1.10	136
LAC	078-6-three-phase	87	6-2.20	146
LAC	110-8-three-phase	84	8-2.20	160
LAC	110-6-three-phase	90	6-5.50	170
LAC	112-8-three-phase	85	8-2.20	168
LAC	112-6-three-phase	91	6-5.50	178
LAC	113-8-three-phase	80	8-2.20	218
LAC	113-6-three-phase	88	6-5.50	237

* = Noise level tolerance ± 3 dB(A).

OUTLET
(With by-pass type S)

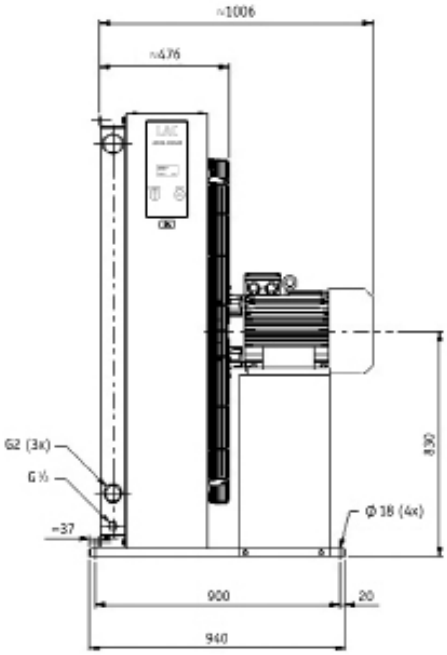


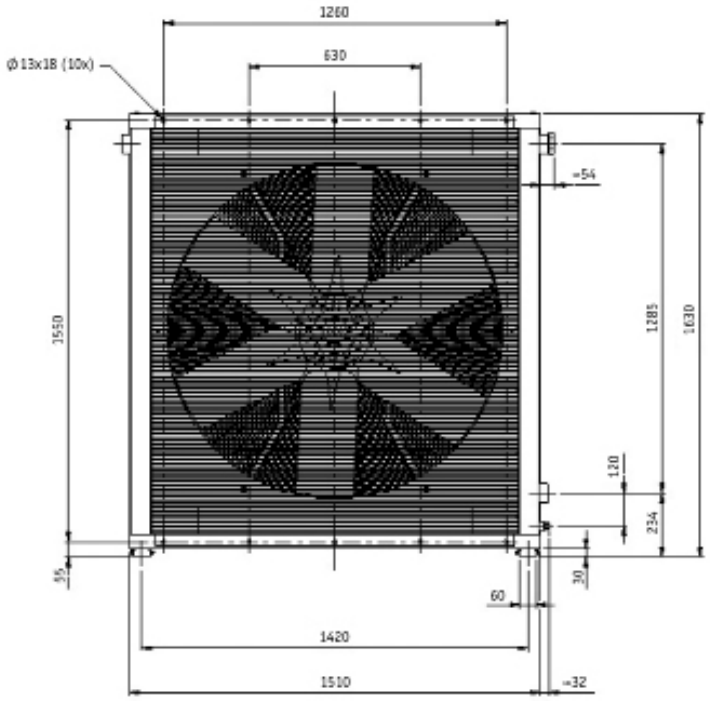
TYPE		A	B	C	D	E	F	G	H	I	J	K	L	Mø
LAC2	002-2-single-phase	165	74	82	189	-	G½	190	72	97	105	167	39	9
LAC2	003-2-single-phase	244	134	82	223	71	G1	148	90	114	161	218	31	9x14
LAC2	004-4-single-phase	267	134	82	256	69	G1	148	90	131	165	222	28	9x14
LAC2	004-2-single-phase	267	134	82	256	69	G1	148	90	131	165	222	28	9x14
LAC2	007-4-single-phase	340	203	77	345	54	G1	267	160	175	189	249	49	9x14
LAC2	007-2-single-phase	340	203	77	345	54	G1	267	160	175	189	249	49	9x14
LAC2	007-4-three-phase	365	203	64	395	42	G1	510	160	213	225	429	50	9
LAC2	007-2-three-phase	365	203	64	395	42	G1	510	160	213	225	434	50	9
LAC2	011-4-three-phase	440	203	62	470	41	G1	510	230	250	249	453	50	9
LAC2	011-2-three-phase	440	203	62	470	41	G1	510	230	250	249	475	50	9
LAC2	016-6-three-phase	496	203	66	526	46	G1	510	230	278	272	474	50	9
LAC2	016-4-three-phase	496	203	66	526	46	G1	510	230	278	272	479	50	9
LAC2	016-2-three-phase	496	203	66	526	46	G1	510	230	278	272	496	50	9
LAC2	023-6-three-phase	580	356	63	610	44	G1	510	305	320	287	489	50	9
LAC2	023-4-three-phase	580	356	63	610	44	G1	510	305	320	287	511	50	9
LAC	033-6-three-phase	692	356	53	722	42	G1¼	510	406	376	318	534	50	9
LAC	033-4-three-phase	692	356	53	722	42	G1¼	510	406	376	318	618	50	9
LAC	044-6-three-phase	692	356	53	866	59	G1¼	510	584	448	343	559	50	9
LAC	044-4-three-phase	692	356	53	866	59	G1¼	510	584	448	343	643	50	9
LAC	056-8-three-phase	868	356	49	898	43	G1¼	510	584	448	343	643	50	9
LAC	056-6-three-phase	868	508	49	898	43	G1¼	510	584	464	368	668	50	9
LAC	056-4-three-phase	868	508	49	898	43	G1¼	510	584	464	368	668	50	9
LAC	058-8-three-phase	868	508	49	898	43	G2	510	584	464	388	652	30	9
LAC	058-6-three-phase	868	508	49	898	43	G2	510	584	464	388	682	30	9
LAC	058-4-three-phase	868	508	49	898	43	G2	510	584	464	388	688	30	9
LAC	076-8-three-phase	1022	518	41	1052	45	G1½	800	821	541	393	693	70	14
LAC	076-6-three-phase	1022	518	41	1052	45	G1½	800	821	541	393	710	70	14
LAC	078-8-three-phase	1022	518	41	1052	45	G2	800	821	541	413	713	50	14
LAC	078-6-three-phase	1022	518	41	1052	45	G2	800	821	541	413	730	50	14
LAC	110-8-three-phase	1185	600	54	1215	45	G2	800	985	623	418	785	70	14
LAC	110-6-three-phase	1185	600	54	1215	45	G2	800	985	623	418	785	70	14
LAC	112-8-three-phase	1185	600	54	1215	45	G2	800	985	623	438	805	50	14
LAC	112-6-three-phase	1185	600	54	1215	45	G2	800	985	623	438	805	50	14
LAC	113-8-three-phase	1200	600	82	1215	45	G2	860	985	623	465	833	82	14
LAC	113-6-three-phase	1200	600	82	1215	45	G2	860	985	623	465	871	82	14

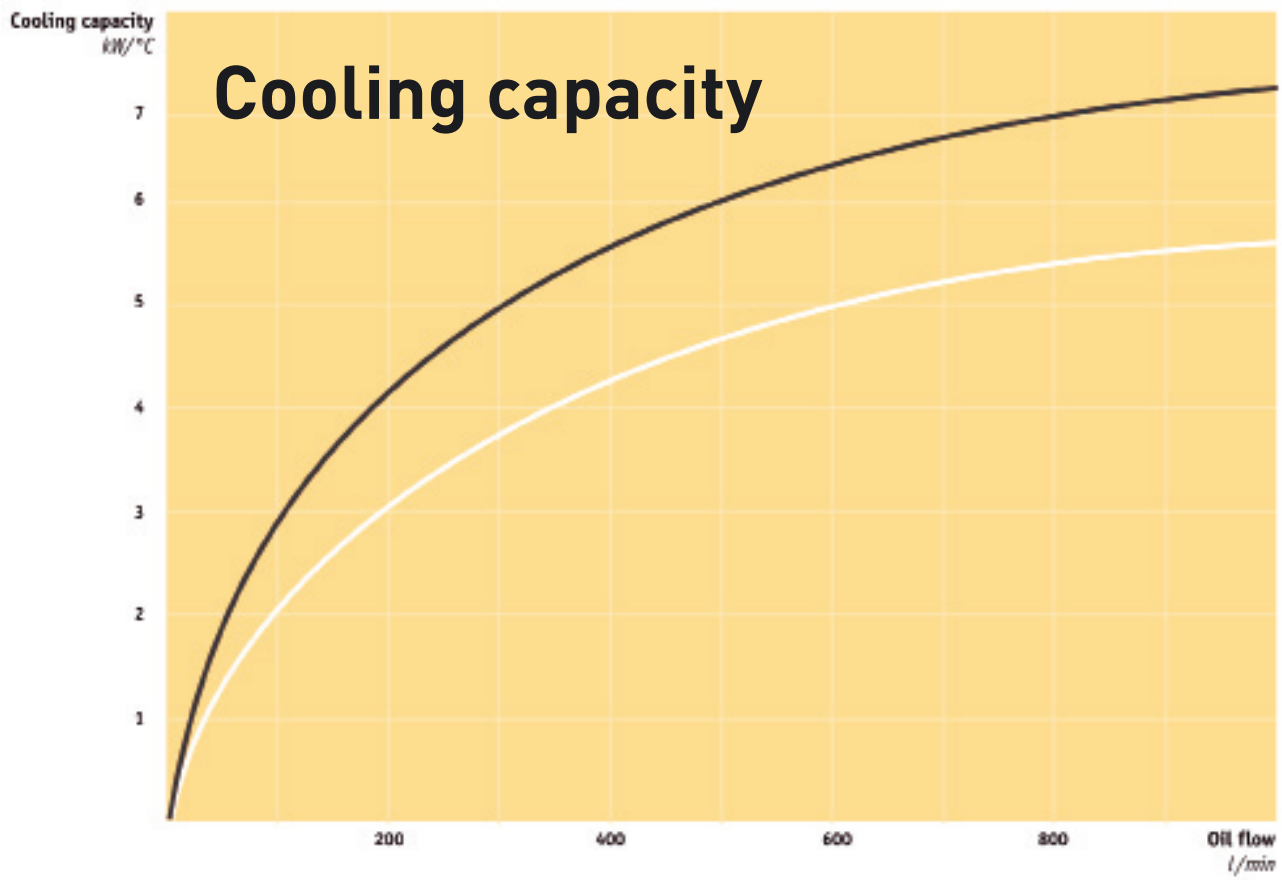


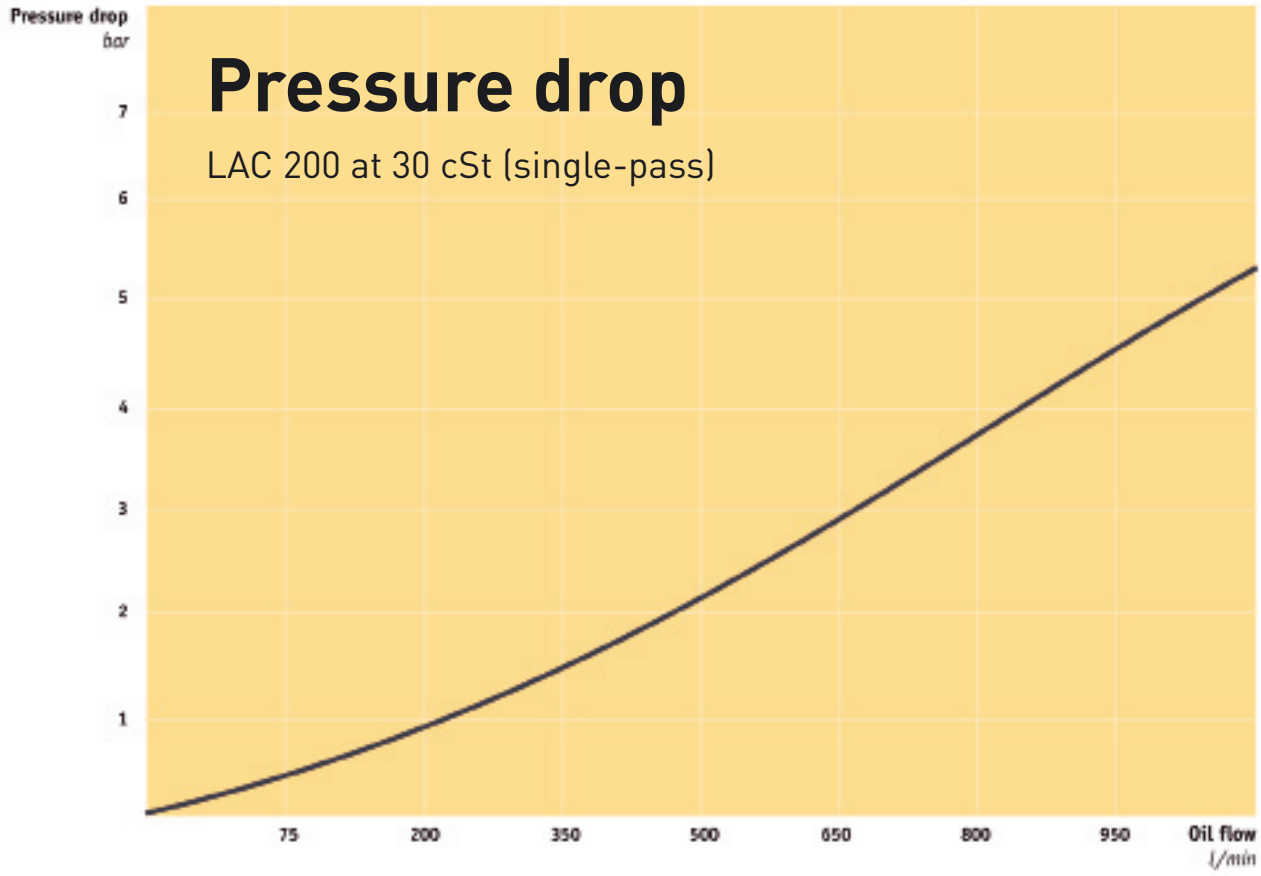
Type	Acoustics pressure level Lp^A dB(A) 1m*	No. of poles/ Capacity kW	Weight kg (approx)
LAC 200-6	92	6-11.0	405
LAC 200-8	86	8-4.0	365

* = Noise level tolerance ± 3 dB(A)






Cooling capacity
kW/°C
Cooling capacity
7
6
5
4
3
2
1
200
400
600
800
Oil flow
l/min


Pressure drop
bar
Pressure drop
LAC 200 at 30 cSt (single-pass)
7
6
5
4
3
2
1
75
200
350
500
650
800
950
Oil flow
l/min

Code Key

LAC	056	4	D	40	T20	D	O
1	2	3	4	5	6	7	8

1	**Type**	LAC, LAC2
2	**Cooler Size**	004, 007, 011, 016, 023, 033, 044, 056, 058, 078, 112, 113, 200
3	**Number of Poles / Motor**	2, 4, 6, 8
4	**Voltage and Frequency**	0: no motor, A: 230/400V 50Hz, B: 460V alt 480V 60Hz, C: Single Phase 230V 50Hz (not IE2), D:230/400V 50Hz 460 alt, 480 V 60 Hz, E: 500V 50Hz (not standard), F: 400/690V 50Hz 460 alt 480V 60Hz, G: 525V 50Hz, 575V 60Hz, 575V 60Hz, X: Motor for special voltage or frequency (stated in plain language)
5	**Thermo Contact**	00: no contact 40: 40°C 50: 50°C 60: 60°C 70: 70°C 80: 80°C 90: 90°C
6	**Cooler Matrix**	000: Standard, T00: Two-pass **Built in, pressure-controlled bypass, single pass** S20: 2 bar S50: 5 bar S80: 8 bar **Built-in, pressure-controlled bypass, two-pass** T20: 2 bar T50: 5 bar T80: 8 bar, **Built-in temperature and pressure-controlled bypass, single-pass** S25: 50°C, 2.2 bar S26: 60°C, 2.2 bar S27: 70°C, 2.2 bar S29: 90°C, 2.2 bar **Built-in temperature and pressure-controlled bypass, two-pass** T25: 50°C, 2.2. bar T26: 60°C, 2.2. bar T27: 70°C, 2.2. bar T29: 90°C, 2.2 bar
7	**Matrix Guard**	0: no guard, S: stone guard, D: dust guard, P: dust and stone guard
8	**Standard / Special**	O: standard, Z: special

Configure your product on parker.com

Technical Specifications

Fluid Combinations	
Mineral Oil	HL/HLP in accordance with DIN 515
Oil / water emulsion	HFA, HFB in accordance with CETOP RP 77H
Water glycol	HFC in accordance with CETOP RP 77H
Phosphate ester	HFD-R in accordance with CETOP RP 77H

Material	
Cooler matrix	Aluminium
Fan blades / hub	Glass fibre reinforced polypropylene / Aluminium
Fan housing	Steel
Fan guard	Steel
Other parts	Steel
Surface treatment	Electrostatically powder-coated

Technical Data, Cooler Matrix	
Maximum static operating pressure	21 bar
Dynamic operating pressure	14 bar
Heat transfer limit	+- 6%
Maximum oil inlet temperature	120°C

Technical Data for 1-Phase Motor	
Insulation class	B
Rise of temperature	B
Protection class	IP 44

Technical Data for 3-Phase Motor	
3-phase asynchronous motors in accordance with IEC 34-1 and IEC 72 in accordance with DIN 67530/VDE 0530	
Insulation class	F
Rise of temperature	B
Protection class	IP 55

Technical Data for 3-Phase Motor LAC2 004	
Rated voltage	230 / 400 V - 50 / 60 Hz
Insulation class	B
Rise of temperature	B
Protection class	IP 44

Cooling Capacity Curve

The cooling capacity curves in this technical data sheet are based on tests in accordance with EN 1048 and have been produced in oil type ISO VG 46 at 60°C.

Contact Parker Hannifin for Advice on

Oil temperatures > 120°C / Oil viscosity > 100 cSt

Take the Next Step

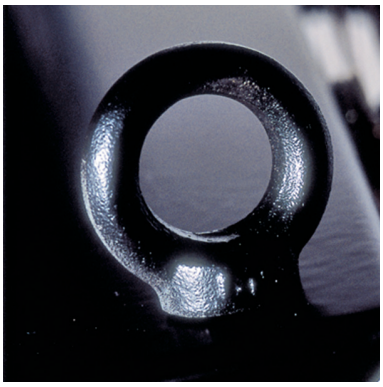
- choose the right accessories

With our specialist expertise, industry knowledge and advanced technology, we can offer a range of different solutions for coolers and accessories to meet your requirements.

Supplementing a hydraulic system with a cooler, cooler accessories and an accumulator gives you increased availability and a longer useful life, as well as lower service and repair costs.

All applications and operating environments are unique. A well-planned choice of the following accessories can thus further improve your hydraulic system.

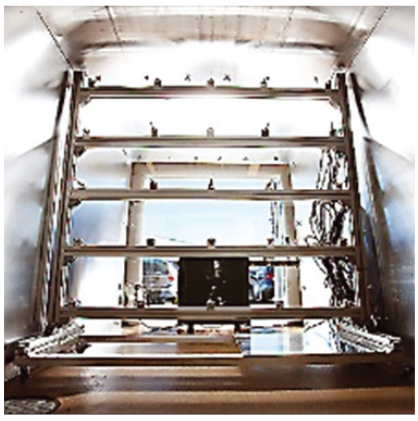
Please contact Parker Hannifin for guidance and information.

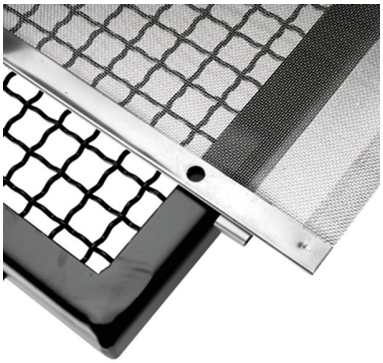


Lifting eyes - included as standard
For safe and simple handling during installation and relocation - only used for installation and maintenance

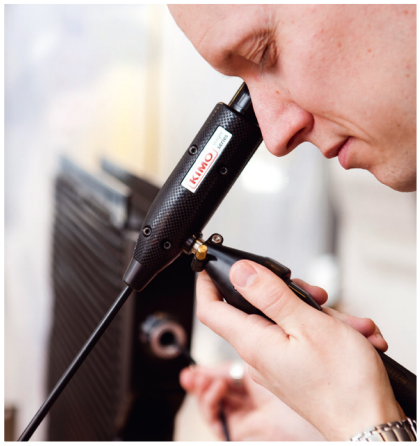


Thermo contact
Sensor with fixed set point, for temperature warnings. Can be used for more cost-efficient operation and better environmental consideration through the automatic control of the fan motor, either on or off.









Stone guard/Dust guard
In dirty environments a dust guard prevents the matrix from getting clogged by medium and large size particles or chips and allows easier maintenance. The Stone guard protects the matrix from damage by projectiles. When shielded, the cooler is protected in the toughest conditions and the risk of unscheduled maintenance is reduced to a minimum.

Temperature-controlled bypass valve Integrated
Allows the oil to bypass the cooler matrix if the pressure drop is higher than 2,2 bar or less than the chosen temperature. The bypass closes when the oil temperature increases. Different closing temperatures available. Available for singlepass or two-pass matrix design