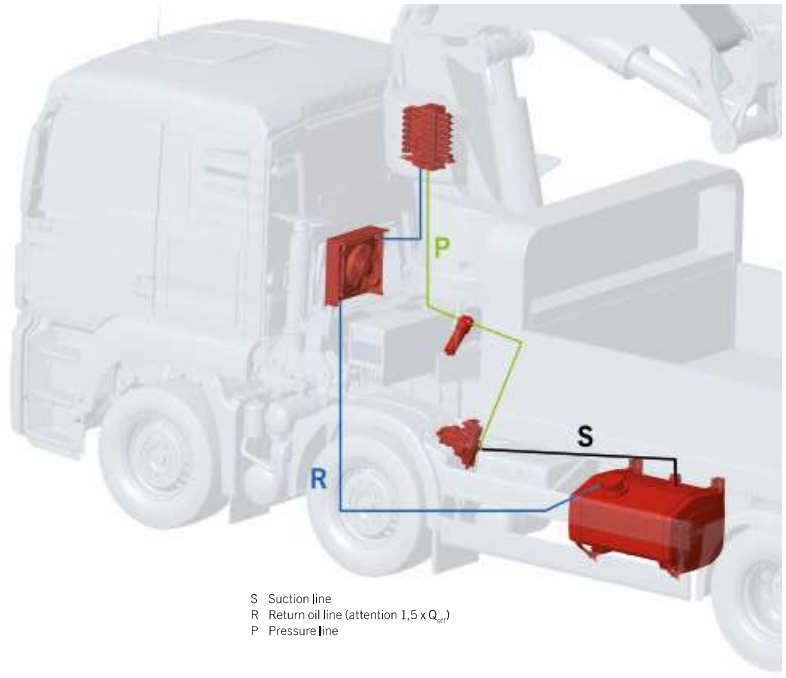
HYDRAULICS

PALFINGER offers a complete range of hydraulic components to drive the PALFINGER crane optimally.
The hydraulic system is the heart of the PALFINGER unit and must meet the highest requirements.
PALFINGER works exclusively with well-known and long-standing partners to ensure the highest quality requirements.
The correct design of the hydraulic system is crucial for the functionality of the PALFINGER cranes. You may find more detailed information on this in the PALFINGER installation guidelines.



S Suction line
R Return oil line (attention 1,5 x Q_{eff})
P Pressure line

CONSTANT PUMPS SINGLE CIRCUIT

The constant pumps offer a simple and cost-effective drive variant.
We offer a variety of bent axis and inline pumps, depending on the requirements.

CONSTANT PUMP DOUBLE CIRCUIT

For a quick work with several functions, especially in wood and recycling crane use, we have a variety of suitable pump types available.

LOAD SENSING PUMPS

Load sensing pumps help to operate the crane at its most efficient oil flow and potentially lower the operating costs. Highest quality and efficiency rate are standard at our PALFINGER load sensing pumps.

BASIC DATA FOR CALCULATION

Minimum required oil flow	Q_{min}	[l/min]	For exact crane operation
Maximum required oil flow	Q_{max}	[l/min]	For fast crane operation
Required operating pressure	P_{max}	[MPa]	According to crane requirements
Chosen oil flow	Q_{crane}	[l/min]	Between minimum and maximum required oil flow (Qmin ≤ Qcrane ≥ Qmax); techn. Data sheet crane
Speed (rpm) on the motor	n_{en}	[min^{-1}]	Data sheets of the vehicle to be set in motor management
Ratio of gear box	i_{ge}		Data sheet of the vehicle. **ATTENTION!** Always use the quick split
Ratio of PTO	i_{pto}		Data sheet of the PTO. **ATTENTION!** Always use the quick split
Allowed torque at PTO	Mt_{max}	[Nm]	Data sheet of the PTO
Allowed power at PTO	P_{max}	[kW]	Data sheet of the PTO
Efficency rate pump	η_{pump}		0,9 for constant pump / 0,95 for variable pump
Oil flow of chosen pump (1000 rpm)	Q_{pump}	[l/min]	Mounting Accessories Catalogue
Maximum pump speed (rpm)	np_{max}	[min^{-1}]	Mounting Accessories Catalogue
Difference volume crane + Fly Jib	ΔV_{crane}	[l]	PALDESK or PAC Online
Difference volume additional and front stabilizer	ΔV_{stab}	[l]	PALDESK or PAC Online
Difference volume crane equipment	ΔV_{equ}	[l]	PALDESK or PAC Online

CALCULATION OF HYDRAULIC PUMP

Speed on the pump (rpm)	η_{pump}	[min^{-1}]	$n_{pump} = n_{en} * i_{ge} * i_{pto} \leq n_{pmax}$
Required pump size (1000 rpm)	Q_{req}	[l/min]	$Q_{req} = (Q_{crane} * 1000) / (n_{pump} * \eta_{pump})$
Effective oil flow	Q_{eff}	[l/min]	$Q_{eff} = Q_{pump} * n_{pump} * \eta_{pto}$
Torqe - PTO	M_{req}	[Nm]	$M_{req} = (Q_{eff} * p_{max} * 159) / (n_{pump} * \eta_{pump}) \leq M_{tmax}$
Power on PTO	P_{req}	[kW]	$P_{req} = (Q_{eff} * p_{crane}) / (60 * \eta_{pump}) \leq P_{max}$

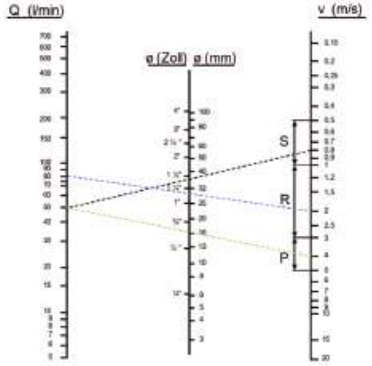
CALCULATION OF OIL COOLER

Required oil cooler capacity	P_{cool}	[kW]	$P_{cool} = P_{req} * 0{,}15 \; to \; 0{,}25$ **ATTENTION!** Factor depends on the application - check the installation guideline

CALCULATION OF OIL TANK

Required minimum oil tank size - crane mounted	V_{tank}	[l]	$V_{tank} \geq Q_{eff} * 0{,}7 + \Delta V_{crane} + \Delta V_{stab} + \Delta V_{equ}$
Required minimum oil tank size - side mounted	V_{tank}	[l]	$V_{tank} \geq Q_{eff} * 1{,}2 + \Delta V_{crane} + \Delta V_{stab} + \Delta V_{equ}$

REQUIRED PIPE CONNECTION



BEST PRICE DEAL - LOAD SENSING PUMPS

- Fuel savings due to tests between 6% and 22%
- Fine control of the crane
- Reduced noise and noise pollution and CO2 emission

CALCULATE FOR YOURSELF!

_____ % fuel saving (6% - 22%)
x
_____ Fuel consumption during crane operation
x
_____ crane hours / year
x
_____ fuel price / l
=
SAVING PER YEAR

TIPS

- Position of the oil tank as high as possible
- Keep the suction line as short as possible
- Fill only filtered oil into the PALFINGER oil tank
- All values are basic assumptions and only valid, if the crane is mounted according to PALFINGER installation guideline

ATTENTION

The calculation of the oil tank volume is only permitted for flow-optimized PALFINGER oil tanks and when using an adequately designed oil cooler. This calculation must be adjusted due to factors such as high ambient temperatures during long work cycles. Please note the PALFINGER installation guidelines.

LOAD SENSING PUMPS

With PALFINGER load sensing pumps, you operate your crane efficiently and save money in the long run. Highest quality and efficiency rate are standard at our PALFINGER load sensing pumps.

- Most load sensing pumps are designed for an operating pressure up to 400 bar
- PALFINGER warranty & service
- Every pump is delivered in a package with a suitable suction connection
- The collaboration with established manufacturers ensure longer and easier work with the PALFINGER product

REXROTH

Rexroth Bosch Group

- Highest performance efficiency
- Bent axis design
- Low noise emission due to bent axis design
- By means of the adjusting screw the maximum displacement volume can be adjusted

HYDRO LEDUC

HYDRO LEDUC

- Compact design allows the installation on most vehicles
- 130l with exchangeable rotation direction
- Huge variety of different flow rates available
- By means of the adjusting screw the maximum displacement volume can be adjusted

* Optimum response behavior - specially designed for Timer & Recycling Cranes

INLINE

InLine

- Compact design allows the installation on most vehicles
- High hydraulic efficiency
- A selection of INLINE load sensing pumps are available with power limitation or drive trough shaft
- By means of the adjusting screw the maximum displacement volume can be adjusted
- Needs 1/2" leaking oil connection

	Displacement volume at 1000 rpm [l/min]	max. Speed [rpm]	max. Pressure [bar]	max. drive torque [Nm]	Overhang torque [Nm]	Dead Weight [kg]	L x W x H [mm]	Rotation direction left	Rotation direction right	Power regulator	Drive through shaft	in kit incl. Suction Connection	Article Number Pump kit
REXROTH	**55**	2500	400	305	21	16	266 x 118 x 304	•	•			EA1288	**EP 653HD** **EP 654HD**
REXROTH	**80**	2240	400	446	32	21	288 x 128 x 325	•	•			EA1290	**EP 651HD** **EP 652HD**
REXROTH	**107**	2150	400	596	41	25	309 x 134 x 342	•	•			EA1290-45	**EP 649HD** **EP 650HD**
HYDRO LEDUC	**40**	3000	400	225	34	26	276 x 125 x 248	•	•			EA1867	**EP1923R** **EP1923L**
HYDRO LEDUC	**60**	2600	400	335	34	26	276 x 125 x 248	•	•			EA1867	**EP 768R** **EP 768L**
HYDRO LEDUC	**75**	2000	400	420	34	26	276 x 125 x 248	•	•			EA1867	**EP 769R** **EP 769L**
HYDRO LEDUC	**85**	1900	400	730	47,4	31	328 x 127 x 282		•		•	EA1867	**EP1926DR-085**
HYDRO LEDUC	**92**	1900	400	515	34	26	276 x 125 x 248	•	•			EA1867-60	**EP 770R** **EP 770L**
HYDRO LEDUC	**110**	1900	400	730	47,4	31	328 x 127 x 282		•		•	EA1987	**EP1926DR-110**
HYDRO LEDUC	**120**	2100	400	675	34	26	276 x 125 x 248	•	•			EA1867-60	**EP 945R** **EP 945L**
HYDRO LEDUC	**130**	1900	400	730	38,6	28	328 x 127 x 282	•	•			EA5871	**EP1926U***
HYDRO LEDUC	**130**	1900	400	730	47,4	31	328 x 127 x 282	•	•		•	EA1987	**EP1926DR** **EP1926DL**
HYDRO LEDUC	**150**	2000	350	840	38,6	28	266 x 127 x 277	•	•			EA6204	**EP 150U***
INLINE	**60**	2500	400	530	30	24	254 x 115 x 235		•	•	•	EA6352	**EP2169** **EP2169TR** **EP2169DR**
INLINE	**60**	2500	400	530	30	24	254 x 115 x 235	•		•	•	EA6352	**EP2173** **EP2173TL** **EP2173DL**
INLINE	**90**	2300	400	600	35,5	27	278 x 120 x 248		•	•		EA6355	**EP2170** **EP2170TR**
INLINE	**90**	2300	400	600	35,5	27	278 x 120 x 248	•		•		EA6355	**EP2174** **EP2174TL**
INLINE	**110**	2200	400	680	40	30	280 x 127 x 255		•	•		EA6355	**EP2171** **EP2171TR**
INLINE	**110**	2200	400	680	40	30	280 x 127 x 255	•		•		EA6355	**EP2175** **EP2175TL**
INLINE	**130**	2100	400	700	40	31	270 x 130 x 289		•		•	EA6358	**EP2172** **EP2172DR**
INLINE	**130**	2100	400	700	40	31	270 x 130 x 289	•			•	EA6358	**EP2176** **EP2176DL**

All PALFINGER load sensing pumps are preset with an operating pressure of 200 bar, 30 bar LS pressure and must be set according crane requirements during installation.

More detailed technical data can be found on PALDESK/Equipment

FIXED DISPLACEMENT PUMPS SINGLE FLOW

All PALFINGER fixed displacement pumps are ideally suited to the needs of the PALFINGER product and are delivered with the appropriate suction connection.

- All fixed pumps are designed for an operating pressure up to 400 bar
- PALFINGER warranty & service
- Every pump is delivered in a package with a suitable suction connection
- Bypass valves optionally available (catalogue page 16)
- The collaboration with established manufacturers ensure longer and easier work with the PALFINGER product

Rexroth Bosch Group

- Universal rotation direction
- Lightweight design thanks to aluminum casing
- Low noise level due to sound-optimized design

HYDRO LEDUC

Bent axis pump

- Universal rotation direction
- Robust steel casing
- Reinforced seals

in-line pump [1]

- Universal rotation direction
- Compact design
- Complete packages incl. suction hose, hose clamps, pressure hose, etc. available (P)

Parker

- High hydraulic efficiency
- Bent axis design

More detailed technical data can be found on PALDESK/Equipment

	Displacement volume at 1000 rpm [l/min]	max. Speed [rpm]	max. Pressure [bar]	max. drive torque [Nm]	Overhang torque [Nm]	Weight [kg]	L x W x H [mm]	Direction of rotation Left	Direction of rotation Right	in kit incl. Suction Connection	Article Number Pump kit
REXROTH	**23**	3050	400	127	4,7	5,9	185 x 107 x 161	•	•	EA1287	**EP 340**
	32	2750	400	178	4,7	5,9	185 x 107 x 161	•	•	EA1287	**EP 341**
	46	2650	400	254	8,6	8,4	223 x 108 x 182	•	•	EA1288	**EP 342**
	63	2200	400	351	9,9	9,3	261 x 124 x 208	•	•	EA2111	**EP 344**
	81	2150	400	448	15,3	12,3	245 x 114 x 201	•	•	EA1290	**EP 345**
	107	2000	400	594	20	15	272 x 129 x 223	•	•	EA1710	**EP 346**
HYDRO LEDUC	**12**	3150	400	76	9,17	9,65	197 x 108 x 160	•	•	EA1992	**EP1394A**
	18	2900	400	114	9,21	9,7	197 x 108 x 160	•	•	EA1992	**EP1395A**
	25	2750	400	159	9,26	9,75	197 x 108 x 160	•	•	EA1992	**EP1396A**
	25	2200	400	177	17	15	315 x 107 x 130	• •	• •	EA1731	**EP 549** [1] **EP 549P** [1]
	32	2700	400	204	11,55	11,55	203 x 108 x 166	•	•	EA1992	**EP1397A**
	34	2000	400	240	17	15	315 x 107 x 130	• •	• •	EA1731	**EP 550** [1] **EP 550P** [1]
	41	2550	400	261	11,6	11,6	315 x 107 x 130	•	•	EA1992	**EP1398A**
	43	1750	400	304	17	15	315 x 107 x 130	• •	• •	EA173	**EP 551** [1] **EP 551P** [1]
	50	2450	400	318	12,23	11,65	315 x 107 x 130	•	•	EA1992	**EP1399A**
	50	1650	400	354	17	15	315 x 107 x 130	• •	• •	EA1867	**EP 552** [1] **EP 552P** [1]
	63	2300	400	401	12,28	11,7	215 x 108 x 175	•	•	EA1992	**EP1400A**
	65	1500	400	460	17,6	16	300 x 107 x 130	• •	• •	EA1867	**EP 553** [1] **EP 553P** [1]
	80	2150	400	509	18,36	15,5	242 x 123 x 190	•	•	EA1992	**EP1401A**
	78	1350	400	552	21,3	17	303 x 107 x 130	• •	• •	EA1867	**EP 554** [1] **EP 554P** [1]
	108	1900	400	687	18,48	15,4	242 x 123 x 190	•	•	EA1993	**EP1402A**
	114	1350	400	807	31,5	23,5	345 124 x 135	•	•	EA214	**EP 555** [1]
	130	1750	400	827	19,28	15,8	244 x 123 x 192	•	•	EA1993	**EP1403A**
PARKER	**25**	2200	400	163	7,1	8,5	206 x 108 x 188	•	•	EA6355	**EP 658R** **EP 658L**
	41	2100	400	260	7,1	8,5	206 x 108 x 188	•	•	EA6355	**EP 659R** **EP 659L**
	51	900	400	324	7,1	8,5	206 x 108 x 188	•	•	EA6355	**EP 660R** **EP 660L**
	61	1900	400	378	7,1	8,5	206 x 108 x 188	•	•	EA6358	**EP 661R** **EP 661L**
	81	1750	400	518	14,6	12,5	259 x 118 x 259	•	•	EA6358	**EP 662R** **EP 662L**
	101	1550	400	653	14,6	12,5	259 x 118 x 259	•	•	EA1845-45	**EP 663R** **EP 663L**

FIXED DISPLACEMENT PUMPS DOUBLE FLOW

All PALFINGER fixed displacement pumps are ideally suited to the needs of the PALFINGER product and are delivered with the appropriate suction connection.

- PALFINGER warranty & service
- The collaboration with established manufacturers ensure longer and easier work with the PALFINGER product
- Every pump is delivered in a package with a suitable suction connection
- Bypass valves optionally available (catalogue page 16)

- Universal rotation direction
- Compact design
- Designed for operating pressure 350 bar continuous and 400 bar peak pressure

- Low weight
- High hydraulic efficiency
- Designed for operating pressure 350 bar continuous and 400 bar peak pressure

	Displacement volume at 1000 rpm [l/min]	max. Speed [rpm]	max. Pressure [bar]	max. drive torque [Nm]	Overhang torque [Nm]	Weight [kg]	L x W x H [mm]	Direction of rotation Left	Direction of rotation Right	in kit incl. Suction Connection	Article Number Pump kit
HYDRO LEDUC	**39/39**	1350	350	552	21,3	23,5	345 x 124 x 159	•	•	EA1867	**EP 582**
	52/52	1400	350	736	31,5	23,5	345 x124 x 159	•	•	EA2148	**EP 583**
	57/57	1350	350	807	31,5	23,5	345x 124 x 159	•	•	EA2148	**EP 556**
	75/75	1350	350	1062	38,7	28	302 x 124 x 162,5	•	•	EA2148	**EP 502**
	75/40	1350	350	807	38,7	27,4	287 x 124 x 167,5	•	•	EA2148	**EP1158**
PARKER	**42/42**	1800	350	163	22,2	19	206 x 108 x 188	•	•	EA6355	**EP 658L EP 658R**
	53/53	1800	350	260	22,2	19	206 x 108 x 188	•	•	EA6355	**EP 659L EP 659R**
	55/28	1800	350	324	22,2	19	206 x 108 x 188	•	•	EA6355	**EP 660L EP 660R**
	70/35	1800	350	378	22,2	19	206 x 108 x 188	•	•	EA6358	**EP 661L EP 661R**
	70/70	1650	350	518	22,2	19	259 x 118 x 259	•	•	EA6358	**EP 662L EP 662R**

NOISE REDUCED PUMPS

The perfect noise reduced fixed displacement pumps for PALFINGER loader cranes as well as for Hook & Skip loaders in combination with alternative driven trucks.

- Great price - performance ratio
- Significantly reduced noise emission

- Lowest noise emission

	Displacement volume at 1000 rpm [l/min]	max. Speed [rpm]	max. Pressure [bar]	max. drive torque [Nm]	Overhang torque [Nm]	Weight [kg]	L x W x H [mm]	Direction of rotation Left	Direction of rotation Right	Adapter DIN ISO	Article Number Pump kit
HYDRO LEDUC	**41,2**	2800	400	264	11,2	11	290 x 108 x 166		•	-	**EP2744**
BUCHER hydraulics	**47,9**	3000	450	---	---	22	290 x 214 x 214		•	EA6913	**EP2766**

ACCESSORIES FOR PUMPS

With original accessories from our pump manufacturers, we ensure efficient and safe operation of your equipment.

GENERAL

Suction hoses	Code	Nominal size [mm]	Length [mm]
	EH4720	38	1700
	EH4721	50	1700
	EH4722	60	1700

Dimensions suction fittings

Suction connection S
Nominal inner Ø N
Version α

BYPASS VALVES

For bent axis fixed displacement pumps mounted on a non-disconnectable PTO: Allows a continuous pump speed, No heat development in the hydraulic circuit, No impairment of the pump life, No modification required on the vehicles hydraulic system

Manufacturer	Code	Fits on pump	Info
REXROTH	EV8393	EP344	Deutsch connector
	EV8394	EP345	Deutsch connector
	EV8395	EP346	Deutsch connector
PARKER	EV8794-24V	EP 658 L/R, EP 659 L/R, EP 660 L/R, EP 661 L/R	Deutsch connector, with manual override
	EV8795-24V	EP 662 L/R, EP 663L/R	Deutsch connector, with manual override
	EV8796-24V	EP 658 L/R, EP 659 L/R, EP 660 L/R, EP 661 L/R	Deutsch connector
	EV8797-24V	EP 662 L/R, EP 663 L/R	Deutsch connector
	EV8798-24V	EP2185 / EP2186, EP 410 / EP 411, EP 984 L/R	Deutsch connector, with manual override
	EV8799-24V	EP 318, EP 701, EP2187 / EP2188	Deutsch connector
HYDRO LEDUC	EV5183A	up to 65 l/min	Deutsch connector
	EV5184C	over 65 l/min	Deutsch connector

REXROTH

Suction fittings for	Suction Port S [in]	Nominal size N [mm]	Code 0°	45°	90°
Fixed and load sensing pumps	3/4 "	39	EA1287	EA1287-45	EA1287-90
	1 "	39	EA1288	EA1288-45	EA1288-90
	1 "	51	EA2111	EA2111-45	
	1 1/4 "	51	EA1290	EA1290-45	EA1290-90
	1 1/4 "	63	EA1710	EA1710-45	

HAWE

Suction fittings for	Suction Port S [in]	Nominal size N [mm]	Code 0°	45°	90°
Load sensing pump (R/L)	2 "	50	EA6352	EA6353	EA6354
	2 1/2 "	64	EA6355	EA6356	EA6357
	3 "	76	EA6358	EA6359	

PARKER

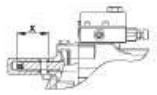
Suction fittings for	Suction Port S [in]	Nominal size N [mm]	Code 0°	45°	90°
Fixed displacement pump Single flow	1 1/2 "	38	EA1843	EA1843-45	EA1843-90
	1 3/4 "	48	EA1847	EA1847-45	EA1847-90
	2 "	50	EA1844	EA1844-45	EA1844-90
	2 1/2 "	63	EA1845	EA1845-45	
Fixed displacement pump Double flow	2 1/2 "	63	EA1845	EA1845-45	
	3 "	76	EA6532		

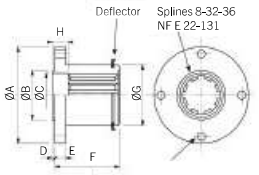
HYDRO LEDUC

Suction fittings for	Suction Port S [in]	Nominal size N [mm]	Code 0°	45°	90°
Fixed displacement pump Bent axis	1 1/2 "	39,1		EA1991	EA1991-90
	2 "	51,8		EA1992	EA1992-90
	2 1/2 "	64,5		EA1993	EA1993-90
Fixed displacement pump Single flow	1 1/2 "	40	EA1731		
	1 1/2 "	50	EA1867		
	1 1/2 "	60	EA1867-60		
	1 1/2 "	63,5	EA1867-63		
	1 1/2 "	76,2	EA1987		
* not available for EP 553 and EP 554	2 " *	50	EA2148		
Fixed displacement pump Double flow	1 1/2 "	40	EA1731		
	1 1/2 "	50	EA1867		
	1 1/2 "	60	EA1867-60		
	1 1/2 "	63,5	EA1867-63		
	1 1/2 "	76,2	EA1987		
	2 "	50	EA2148		
	2 "	60	EA2110		
Load sensing pump (U)	1 1/2 "	40	EA1731		EA5869
	1 1/2 "	50	EA1867		EA1900
	1 1/2 "	60	EA1867-60		
	1 1/2 "	63,5	EA1867-63		EA6206
Load sensing pump (U) (U = Universal rotation direction)	SAE	50	EA6203		
	SAE	60	EA5871		EA6205
	SAE	76,2	EA6204		

Setting screw	Code
For EP1926U and EP 150U	ES4006
For the others excl. EP 945R/L	ES2546

For setting of the max. oil flow at LEDUC load sensing pump





DIN 90	4 holes Ø 8,5 on Ø 74,5
DIN 100	4 holes Ø 10,5 on Ø 84

Dimensions in mm.

Coupling flange	Code	Type	Ø A	Ø B	C	D	E	F	Ø G	H
For direct mounting onto the cardan shaft	EA2065	DIN 90	90	47	43	2	10	62	55	15
	EA2066	DIN 100	100	57	43	2	10	64	55	15

Please consider the max. torque of the drive shaft. Dimensions in [mm]

OIL TANK

PALFINGER offers oil tanks perfectly suited to the crane line-up. In addition to essential technical advantages the tanks offer an ideal price-performance-ratio. Whether aluminium or steel tank we support the PALFINGER partner in a qualitative and cost-effective mounting.

- Perfectly adapted to the requirements of the PALFINGER loader and timber & recycling cranes
- Due to a complex individual cleaning process we ensure best possible safety against pollution of the hydraulic system
- Maximum oil saturation due to integrated baffle plates and generously dimensioned suction connections
- Prepared for the PALFINGER oil sensor

- Screwable bracket for different types of vehicles
- Central positioned breath filter
- New level indicator for optimited filling volume and better visibility
- Oil-temperature gauge separately from the level indicator
- Centrally positioned return oil filter

- Excellent price-performance-ratio
- Optimized coating against corrosion
- Central positioned breath filter
- All necessary connections for optimum connection to the PALFINGER crane
- PALFINGER return oil filter
- Universal steel mounting brackets included

OIL TANK ACCESSORIES	CODE	DIMENSION	INFO
Suction fitting for mounting of a shut-off cock	EA2102	2" - NW 60mm	
Shut-off cock	EA1390 EV4512	1 1/4" - NW 38mm 2" - NW 50mm	KTK001-BA, KTK021-BA KTK002-BA - KTK007-BA, KTK063-BB - KTK065-BB
Angle piece	EA1818 EA1817	1 1/4", 90° 2", 90°	KTK001-BA, KTK021-BA KTK002-BA - KTK007-BA, KTK063-BB - KTK065-BB
Screw connection sleeve	EA1901	2", L=70mm	KTK002-BA - KTK007-BA, KTK063-BB - KTK065-BB
Electr. temp. and oil level sensor (PALTRONIC 150 only)	EEA6327A EEA6328A EEA6331A	L=410mm L=510mm L=1055mm	KTK001-BA, KTK021-BA, KTK063-BB - KTK069-BB KTK002-BA-KTK005-BA KTK007-BA

TECHNICAL DATA

		ALUMINIUM OIL TANK	STEEL OIL TANK		
0 - 75 liter	Article number	KTK063-BB	UT032*	KTK017-BA*	KTK001-BA
	Tank volume [l]	75	20	45	75
	Dimensions L x W x H [mm]	300 x 700 x 670	474 x 250 x 255	528 x 435 x 429	567 x 440 x 555
	Dead weight [kg]	27	10	23	39
	Connections	S=1x2"; R=60l/min; L=2x3/8"; D=1x3/4"	S = ½"; R=20l/min	S =2x1"; R=80l/min; L=1x	S=2x1 ¼"; R=60l/min; L=2x
100 liter	Article number	KTK064-BB	KTK021-BA		
	Tank volume [l]	100	100		
	Dimensions L x W x H [mm]	400 x 700 x 680	727 x 440 x 555		
	Dead weight [kg]	34	45		
	Connections	S=2x2"; R=60l/min; L = 2x3/8"; D =1x3/4"	S=2x1 1/4"; R=80l/min; L=2x3/8"; D=1"		
140 liter	Article number	KTK065-BB	KTK002-BA		
	Tank volume [l]	140	140		
	Dimensions L x W x H [mm]	580 x 700 x 680	554 x 702 x 660		
	Dead weight [kg]	39	59		
	Connections	S=2x2"; R=180l/min; L = 4x3/8"; D=1x3/4"	S=2x2"; R=180l/min; L=4x3/8"; D=1"		
200 liter	Article number	KTK066-BB	KTK003-BA		
	Tank volume [l]	200	200		
	Dimensions L x W x H [mm]	820 x 700 x 680	749 x 702 x 660		
	Dead weight [kg]	43	62		
	Connections	S=2x3"; R=180l/min; L = 4x3/8"; D=1x3/4"	S=2x2"; R=180l/min; L=4x3/8"; D=1"		
250 liter	Article number	KTK067-BB			
	Tank volume [l]	250			
	Dimensions L x W x H [mm]	1020 x 700 x 680			
	Dead weight [kg]	47			
	Connections	S=2x3"; R=350l/min; L=4x3/8"; D=1x3/4"			
300 liter	Article number	KTK068-BB	KTK004-BA		KTK007-BA
	Tank volume [l]	300	300		300
	Dimensions L x W x H [mm]	1210 x 700 x 680	1054 x 702 x 660		952 x 385 x 1318
	Dead weight [kg]	53	77		77
	Connections	S=2x3"; R=350l/min; L=4x3/8"; D=1x3/4"	S=2x2"; R=180l/min; L= 4x3/8"; D=1"		S=2x2"; R=180l/min; L=4x3/8"; D=1"
400 liter	Article number	KTK069-BB	KTK005-BA		
	Tank volume [l]	400	400		
	Dimensions L x W x H [mm]	1610 x 700 x 680	1477 x 702 x 660		
	Dead weight [kg]	70	98		
	Connections	S=2x3"; R=350l/min; L=4x3/8"; D=1x3/4"	S=2x2"; R=180l/min; L=4x3/8"; D=1"		

S = Suction line
R = Return filter
L = Leakage oil connection
D = Oil drain opening
* = Without preparation for PALFINGER oil sensor