

	First 250 only July 1942- May 1943					First 250 only July 1942- May 1943			
	Panther-D	Panther-D	Panther	Panther, Königstiger		Tiger-E	Tiger-E	Tiger-E	Tiger-E
	HL210 Early	HL210 Late	HL230 Early	HL230 Late		HL210 Early	HL210 Late	HL230 Early	HL230 Late
	21.33 liter 650 bhp	21.33 liter 650 bhp	23.095 liter 700 bhp	23.095 liter 700 bhp		21.33 liter 650 bhp	21.33 liter 650 bhp	23.095 liter 700 bhp	23.095 liter 700 bhp
	P30	P30	P30	P30		P45	P45	P45	P45
Air filters	3 Wirbelöl air filters	2 Wirbelöl air filters	2 Wirbelöl air filters	2 cyclone filters		3 Wirbelöl air filters	2 Wirbelöl air filters	2 Wirbelöl air filters	2 Wirbelöl air filters
Airfilter intake collar	Wide with scoop	Narrow	Narrow	Narrow		Wide with scoop	Narrow	Narrow	Narrow
Carb feed direction	Front to rear	Front to rear	Rear to front	Front to rear		Front to rear	Front to rear	??	??
Carburetors	4x Solex 52 JFF 2-2U 2046	4x Solex 52 JFF 2-2U 2046	4x Solex 52 JFF 11D	4x Solex 52 JFF 11D		4x Solex 52 JFF 2-2U 2046	4x Solex 52 JFF 2-2U 2046	4x Solex 52 JFF 11D	4x Solex 52 JFF 11D
Cold start fuel injection	Yes	Yes	Yes	Yes		Yes	Yes	Yes	Yes
Coolant outlets on front	0	0	2	2		0	0	2	2
Coolant outlets on rear	2 seperate outlets	2 seperate outlets	2 seperate outlets	2 seperate outlets		2 in 1 outlet	2 in 1 outlet	2 in 1 outlet	2 in 1 outlet
Coolant pre-heating system	Blow torch	Blow torch	Blow torch	Blow torch		By other Tiger	By other Tiger	Blow torch	Blow torch
Cranck shaft bearings	7	7	7	7		7	7	7	7
Cylinder heads	Cast iron	Cast iron	Cast iron	Cast iron		Cast iron	Cast iron	Cast iron	Cast iron
Electric starter	Bosch BPD 6/24 ARS 150	Bosch BPD 6/24 ARS 150	Bosch BPD 6/24 ARS 150	Bosch BPD 6/24 ARS 150		Bosch BPD 6/24 ARS 150	Bosch BPD 6/24 ARS 150	Bosch BPD 6/24 ARS 150	Bosch BPD 6/24 ARS 150
Engine block	Cast alloy	Cast alloy	Cast iron	Cast iron		Cast alloy	Cast alloy	Cast iron	Cast iron
Exhaust cooling ducts to fans	On exhaust shrouds	On exhaust shrouds	On exhaust shrouds	On exhaust shrouds		On rear armour	On rear armour	On rear armour	On rear armour
Exhaust cooling fan	Rear of engine	Rear of engine	Rear of engine	Rear of engine		Front of engine	Front of engine	Front of engine	Front of engine
Fan clutch operation	Manual	Manual	Manual	Automatic		Manual	Manual	Manual	Automatic

Fan shafts	1 central shaft	1 central shaft	2 Side shafts	2 Side shafts		1 central shaft	1 central shaft	2 Side shafts	2 Side shafts
Fuel feed lines	2	1	1	1		2	1	1	1
Fuel pumps	4 Mechanical Solex	2 Mechanical Solex	2 Mechanical Solex	2 Mechanical Solex		4 Mechanical Solex	2 Mechanical Solex	2 Mechanical Solex	2 Mechanical Solex
Generator 24V	Bosch Glun 1000/12 1000 LS26	Bosch Glun 1000/12 1000 LS26	Bosch GTLN 700/12 1500 BR(L)I	Bosch GTLN 700/12 1500 BR(L)I		Bosch Glun 1000/12 1000 LS26	Bosch Glun 1000/12 1000 LS26	Bosch GTLN 700/12 1500 BR(L)I	Bosch GTLN 700/12 1500 BR(L)I
Governor	Inside fan gear/clutch housing	Inside fan gear/clutch housing	Centrally between intake mainfolds	Centrally between intake mainfolds		Inside fan gear/clutch housing	Inside fan gear/clutch housing	Centrally between intake mainfolds	Centrally between intake mainfolds
Governor settings	3000 rpm	3000 rpm	2500 rpm	2500 rpm		3000 rpm	3000 rpm	2500 rpm	2500 rpm
Hand starter drive	Direct	Direct	Direct	Direct		With chain to centre	With chain to centre	With chain to centre	With chain to centre
Magnetos	2x Bosch JGN6L3 on valve covers	2x Bosch JGN6L3 on valve covers	2x Bosch JGN6R18 centrally placed	2x Bosch JGN6R18 centrally placed		2x Bosch JGN6L3 on valve covers	2x Bosch JGN6L3 on valve covers	2x Bosch JGN6R18 centrally placed	2x Bosch JGN6R18 centrally placed
Oil filler caps	2 per valve cover	?	2 per valve cover	1 per valve cover		2 per valve cover	?	2 per valve cover	1 per valve cover
Oil filter	1 line at top	1 line at top	2 lines at bottom	2 lines at bottom		1 line at top	1 line at top	2 lines at bottom	2 lines at bottom
Oil sump tank	Sharp corners	Sharp corners	Sharp corners	Rounded corners		Sharp corners	Sharp corners	Sharp corners	Rounded corners
Oilcooler	Short, outlet to engine on front	Long, outlet to engine on upper side	Long, outlet to engine on upper side	Long, outlet to engine on upper side		Short, outlet to engine on front	Long, outlet to engine on upper side	Long, outlet to engine on upper side	Long, outlet to engine on upper side
Primer pump	Electrical	Electrical	Electrical	Mechanical, hand operated		Electrical	Electrical	Electrical	Mechanical, hand operated
Temp. Control valve	No	No	On rear of oil cooler	On rear of oil cooler		No	No	On rear of oil cooler	On rear of oil cooler
Valve cover	Cast alloy, blocks casted on	Cast alloy, smooth	Cast alloy, smooth	Cast alloy, smooth		Cast alloy, blocks casted on	Cast alloy, smooth	Cast alloy, smooth	Cast alloy, smooth
Waterpump	Externally driven	Externally driven	Internally driven	Internally driven		Externally driven	Externally driven	Internally driven	Internally driven
Water drain oil cooler	Tap on front side	Tap on front side	Plug on rear side	Plug on rear side		Tap on front side	Tap on front side	Handwheel front side	Plug on rear side