

LS6245 - 2006 RATING CHART

QMAX/QMAX^{XS} MIDSHIP PUMP

WITH "LK, XK, RLK & RXK" GEARBOX

RATED FROM 60 Liter/sec @1.03 MPa TO 130 Liter/sec @1.03 MPa
SINGLE STAGE PUMP- 267 mm (10.5 inch) DIAMETER IMPELLER

OPERATING CONDITIONS C1 & C2:

THE PUMP WILL PERFORM THE RATING WITH STANDARD TEST CONDITIONS OF SEA LEVEL ALTITUDE,
758.0 mm-Hg [29.84 in-Hg] ATMOSPHERIC PRESSURE, 20 °C [68 °F] WATER TEMPERATURE,
3 m [10 ft] LIFT, 6 m [20 ft] OF 150 mm [6 inch] SUCTION HOSE & STRAINER¹.

OPERATING CONDITION C3:

THE PUMP WILL PERFORM THE RATING WITH STANDARD TEST CONDITIONS OF SEA LEVEL ALTITUDE,
758.0 mm-Hg [29.84 in-Hg] ATMOSPHERIC PRESSURE, 20 °C [68 °F] WATER TEMPERATURE,
7 m [23 ft] LIFT, 9 m [30 ft] OF 150 mm [6 inch] SUCTION HOSE & STRAINER¹.

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RATED CAPACITY (LITER/SEC)	OPERATING CONDITION	CAPACITY (LITER/SEC)	PRESSURE (MPa)	POWER REQUIRED (kW)	PUMP INPUT DRIVE SHAFT (Rev/Min) ²										HALE PRODUCTS, INC. A Unit of IDEX Corporation OCALA, FL 34475 USA		COPYRIGHT © NOT TO BE REPRODUCED OR USED TO MAKE OTHER DRAWINGS OR MACHINERY	DRAWN	DLM	CHECKED	MAL	SIZE	SCALE: NONE		
					RATIO 2.52	TORQUE (N-m)	RATIO 2.30	TORQUE (N-m)	RATIO 2.04	TORQUE (N-m)	RATIO 1.89	TORQUE (N-m)	RATIO 1.71	TORQUE (N-m)										RATIO 1.61	TORQUE (N-m)
60	PUMP MODEL				CB10/60																				
					QMAX60LS-25		QMAX60LS-23		QMAX60LS-21		QMAX60LS-19		QMAX60LS-17		QMAX60LS-16										
	C1	60	1.03	98	1200	777	1310	712	1490	626	1600	583	1770	527	1890	494									
	C2	42	1.34	114	1340	813	1470	741	1660	656	1790	609	1980	550	2110	516									
	C3	30	1.03	67	1190	539	1300	493	1470	436	1580	406	1750	366	1870	343									
80	PUMP MODEL				CB10/80																				
					QMAX80LS-25		QMAX80LS-23		QMAX80LS-21		QMAX80LS-19		QMAX80LS-17		QMAX80LS-16										
	C1	80	1.03	122	1220	951	1340	866	1510	769	1630	712	1800	645	1920	605									
	C2	56	1.34	130	1370	904	1500	826	1700	729	1830	677	2030	610	2160	574									
	C3	40	1.03	81	1200	647	1310	592	1490	521	1600	485	1770	439	1890	411									
100	PUMP MODEL				CB10/100																				
					QMAX100LS-25		QMAX100LS-23		QMAX100LS-21		QMAX100LS-19		QMAX100LS-17		QMAX100LS-16										
	C1	100	1.03	159	1260	1204	1380	1099	1570	966	1690	897	1870	811	1990	762									
	C2	70	1.34	149	1380	1032	1510	943	1710	833	1840	774	2040	698	2170	656									
	C3	50	1.03	97	1210	765	1320	701	1500	617	1610	575	1780	520	1900	487									
120	PUMP MODEL				CB10/120												APVD	DATE	MAL	TAM					
					QMAX120LS-25		QMAX120LS-23		QMAX120LS-21		QMAX120LS-19		QMAX120LS-17		QMAX120LS-16										
	C1	120	1.03	182	1330	1306	1460	1190	1650	1053	1780	976	1970	882	2090	831									
	C2	84	1.34	172	1410	1162	1540	1063	1740	941	1870	876	2080	787	2210	741									
	C3	60	1.03	107	1240	827	1360	754	1540	666	1660	618	1840	557	1950	526									
130	PUMP MODEL				CB10/130												BY	DLM	KTN						
					QMAX130LS-25		QMAX130LS-23		QMAX130LS-21		QMAX130LS-19		QMAX130LS-17		QMAX130LS-16										
	C1	130	1.03	200	1370	1393	1500	1272	1700	1123	1830	1043	2030	940	2160	883									
	C2	91	1.34	179	1420	1203	1560	1095	1760	971	1900	899	2100	814	2240	763									
	C3	65	1.03	116	1270	869	1390	794	1570	703	1700	649	1880	587	2000	552									
MIDDLE PRESSURE ³																			CHANGED FROM	INITIAL RELEASE	GB CHANGED TO LS				
13	PUMP MODEL				CB24/13																				
	C1	13	2.41	190	1800	1009	1970	922	2220	818	2390	760	2650	685	2820	644									
	C3	6.5	2.41	181	1800	961	1970	878	2220	779	2390	724	2650	653	2820	614									
4	PUMP MODEL				CB28/4												ECO NO.	3728							
	C1	4	2.76	207	1840	1076	2010	985	2280	868	2450	808	2720	728	2890	685									
	C3	2	2.76	205	1890	1036	2070	946	2340	837	2520	777	2790	702	2970	659									

NOTES:

- NUMBER OF SUCTION HOSES & STRAINERS: 60, 80, & 100 (1) HOSE; 120 & 130 (2) HOSES.
- SPEED MUST NOT EXCEED ENGINE MANUFACTURER'S MAXIMUM NO-LOAD GOVERNED SPEED.
- THE PUMP IS CAPABLE OF THE MIDDLE PRESSURE PERFORMANCE SHOWN. HOWEVER, PUMP IS NOT CAPABLE OF SIMULTANEOUS MIDDLE AND NORMAL PRESSURE OPERATION. ACTUAL OBTAINABLE PRESSURE SHOULD BE CHECKED IN ADVANCE, AND IS GOVERNED BY ENGINE SPEED, AVAILABLE POWER AND PUMP RATIO.

THIS CHART IS TO BE USED TO SELECT THE PROPER PUMP GEARBOX RATIO. THE INPUT SPEED AND POWER REQUIREMENTS SHOWN ARE NOMINAL ±5% FIGURES. WHEN USING THIS CHART, IT IS IMPORTANT TO OBTAIN THE NET POWER OUTPUT OF THE ENGINE. THE ENGINE MANUFACTURER'S PUBLISHED CURVE MAY NOT REPRESENT A TRUE NET POWER WHEN TOTALING ALL THE LOAD DEDUCTIONS THAT MAY BE ENCOUNTERED FOR THE RATING. THE DEDUCTIONS COULD BE ENGINE AND VEHICLE ACCESSORIES, ALTITUDE, TEMPERATURE, BAROMETER, ETC. CHECK WITH THE ENGINE MANUFACTURER FOR THEIR RECOMMENDATION AND APPROVAL OF THE NET POWER CURVE.

THE PUMPING TORQUE REQUIREMENTS MIGHT EXCEED THE TRUCK'S TRANSMISSION CASE, POWER TAKE-OFF AND DRIVELINE COMPONENT LIMITS. CONTACT THE RESPECTIVE EQUIPMENT MANUFACTURER FOR THEIR APPROVAL OF THE PUMPING APPLICATION.

FSG-CRV-01482

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HALE PRODUCTS, INC.
A Unit of IDEX Corporation
OCALA, FL 34475 USA



SCALE: NONE

SIZE: A

DATE: 01AUG2016

DRAWN: DLM
CHECKED: MAL

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APVD: MAL
DATE: 01Aug2016
BY: KTN
DLM: 17May2021
TAM: 17May2021

CHANGED FROM: INITIAL RELEASE
GB CHANGED TO: LS

ECO NO.: 3728
REV: A
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