

LS6245 - 2006 RATING CHART

8FC LS SERIES PUMP

E-1254F

RATED FROM 90 Liter/sec @1.03 MPa TO 170 Liter/sec @1.03 MPa
SINGLE STAGE PUMP- 305 mm or 330 mm (12.0 inch or 13.0 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.

RATED CAPACITY (LITER/SEC)	OPERATING CONDITION	CAPACITY (LITER/SEC)	PRESSURE (MPa)	POWER REQUIRED (kW)	PUMP INPUT DRIVE SHAFT (Rev/Min) ²			
					305 mm (12 inch) IMPELLER		330 mm (13 inch) IMPELLER	
					SPEED (Rev/Min) ²	TORQUE (N-m)	SPEED (Rev/Min) ²	TORQUE (N-m)
90	PUMP MODEL				CB10/90			
					8FC2-90LS		8FC3-90LS	
	C1	90	1.03	147	2810	499	2590	542
	C2	63	1.34	168	3110	515	2870	558
	C3	45	1.03	116	2780	397	2560	431
110	PUMP MODEL				CB10/110			
					8FC2-110LS		8FC3-110LS	
	C1	110	1.03	164	2850	550	2630	596
	C2	77	1.34	184	3130	562	2890	609
	C3	55	1.03	123	2800	420	2580	455
130	PUMP MODEL				CB10/130			
					8FC2-130LS		8FC3-130LS	
	C1	130	1.03	190	2930	620	2700	673
	C2	91	1.34	201	3170	606	2930	656
	C3	65	1.03	136	2890	448	2670	485
150	PUMP MODEL				CB10/150			
					8FC2-150LS		8FC3-150LS	
	C1	150	1.03	220	3010	698	2780	756
	C2	105	1.34	220	3190	658	2940	714
	C3	75	1.03	145	3040	457	2810	494
170	PUMP MODEL				CB10/170			
					8FC2-170LS		8FC3-170LS	
	C1	170	1.03	254	3130	773	2890	838
	C2	119	1.34	235	3220	697	2980	753
	C3	85	1.03	157	3100	482	2860	523

NOTES:

- NUMBER OF SUCTION HOSES & STRAINERS: 90 L/s (1) HOSE; 110 & 130 L/s (2) HOSES; 150 & 170 L/s (3) HOSES.
- SPEED MUST NOT EXCEED ENGINE MANUFACTURER'S MAXIMUM NO-LOAD GOVERNED SPEED.

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.

ECO NO.	REV	CHANGED FROM	BY	DATE	APVD	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			
0286	A	RELEASE TO PRODUCTION	DLM	03Jan2006	MAL				
0727	B	GB STANDARD UPDATE	RJT	23Jul2008	MAL				
0879	C	REDRAWN	RJT	08Sep2008	MAL				
0999	D	80FC-UGB	JRP	28Jul2010	PRW				
3728	E	GB STANDARD UPDATE	DLM	26Jul2016	MAL				
5448	F	GB CHANGED TO LS	KTN	17May2021	TAM	DRAWN: DLM CHECKED: MAL DATE: 08Dec2005 Page 1 of 1			



E-1254F

LS6245 - 2006 RATING CHART

RME LS SERIES PUMP

E-1254F

RATED FROM 90 Liter/sec @1.03 MPa TO 170 Liter/sec @1.03 MPa
SINGLE STAGE PUMP- 305 mm or 330 mm (12.0 inch or 13.0 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.

RATED CAPACITY (LITER/SEC)	OPERATING CONDITION	CAPACITY (LITER/SEC)	PRESSURE (MPa)	POWER REQUIRED (kW)	PUMP INPUT DRIVE SHAFT (Rev/Min) ²			
					305 mm (12 inch) IMPELLER		330 mm (13 inch) IMPELLER	
					SPEED (Rev/Min) ²	TORQUE (N-m)	SPEED (Rev/Min) ²	TORQUE (N-m)
90	PUMP MODEL				CB10/90			
					RME2-90LS		RME3-90LS	
	C1	90	1.03	147	2810	499	2590	542
	C2	63	1.34	168	3110	515	2870	558
	C3	45	1.03	116	2780	397	2560	431
110	PUMP MODEL				CB10/110			
					RME2-110LS		RME3-110LS	
	C1	110	1.03	164	2850	550	2630	596
	C2	77	1.34	184	3130	562	2890	609
	C3	55	1.03	123	2800	420	2580	455
130	PUMP MODEL				CB10/130			
					RME2-130LS		RME3-130LS	
	C1	130	1.03	190	2930	620	2700	673
	C2	91	1.34	201	3170	606	2930	656
	C3	65	1.03	136	2890	448	2670	485
150	PUMP MODEL				CB10/150			
					RME2-150LS		RME3-150LS	
	C1	150	1.03	220	3010	698	2780	756
	C2	105	1.34	220	3190	658	2940	714
	C3	75	1.03	145	3040	457	2810	494
170	PUMP MODEL				CB10/170			
					RME2-170LS		RME3-170LS	
	C1	170	1.03	254	3130	773	2890	838
	C2	119	1.34	235	3220	697	2980	753
	C3	85	1.03	157	3100	482	2860	523

NOTES:

- NUMBER OF SUCTION HOSES & STRAINERS: 90 L/s (1) HOSE; 110 & 130 L/s (2) HOSES; 150 & 170 L/s (3) HOSES.
- SPEED MUST NOT EXCEED ENGINE MANUFACTURER'S MAXIMUM NO-LOAD GOVERNED SPEED.

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.

ECO NO.	REV	CHANGED FROM	BY	DATE	APVD	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			
0286	A	RELEASE TO PRODUCTION	DLM	03Jan2006	MAL				
0727	B	GB STANDARD UPDATE	RJT	23Jul2008	MAL				
0879	C	REDRAWN	RJT	08Sep2008	MAL				
0999	D	80FC-UGB	JRP	28Jul2010	PRW				
3728	E	GB STANDARD UPDATE	DLM	26Jul2016	MAL				
5448	F	GB CHANGED TO LS	KTN	17May2021	TAM				
						DRAWN:	CHECKED:	DATE:	Page
						DLM	MAL	08Dec2005	1 of 1



E-1254F