## LS6245 - 2006 RATING CHART CBP LS SERIES PUMP

RATED 16 Liter/sec @1.03 Mpa SINGLE STAGE PUMP- 165 mm (6.5 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 SUCTION HOSE & STRAINER<sup>1</sup>.

## **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 SUCTION HOSE & STRAINER<sup>1</sup>.

	9 N ≥ (i)		RE	S CII	GEARBOX INPUT DRIVE SHAFT (Rev/Min) <sup>2</sup>									
RATED CAPACITY (LITER/SEC)	OPERATING CONDITION	CAPACITY (LITER/SEC)	PRESSURE (MPa)	POWER REQUIRED (kW)	4.93	TORQUE (N-m)	3.94	TORQUE (N-m)	2.83	TORQUE (N-m)	2.00	TORQUE (N-m)		
	PUMP MODEL				CB10/16									
	. 3 13222			CBP16LS-5		CBP16LS-4		CBP16LS-3		CBP16LS-2				
16	C1	16	1.03	31	1130	258	1410	207	1960	149	2780	105		
-	C2	11	1.34	31	1210	247	1510	198	2100	142	2980	100		
	C3	8	1.03	19	1060	175	1320	140	1840	101	2600	71		

## **NOTES:**

- 1. SIZE OF SUCTION HOSE & STRAINER: 16 L/s: 75 mm (3 inch).
- 2. 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.

						DLM	MAL MAL	25Aug2016	1 age	FSG-CRV-01475		
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5448	В	GB CHANGED TO LS	KTN	17May2021	TAM					HALE		
3792	3792 A RELEASE TO PRODUCTION			25Aug2016	MAL	A Unit of IDEX Corporation						
ECO NO.	REV	CHANGED FROM	BY	DATE	APVD	HALE PRODUCTS, INC.						