

RATING CHART

8FG-G SERIES PUMP

E-1264A

RATED FROM 90 Liter/Sec @1.03 MPa TO 170 Liter/Sec @1.03 Mpa
SINGLE STAGE PUMP- 330 mm (13 inch) DIAMETER IMPELLER

THE PUMP WILL PERFORM THE RATING WITH STANDARD TEST CONDITIONS OF 610 m ALTITUDE, 759.5 mm-Hg ATMOSPHERIC PRESSURE, 15.6° C WATER TEMPERATURE, 3 m LIFT, 6 m OF 150 mm SUCTION HOSE & STRAINER*.

THE PUMP WILL PERFORM THE RATING WITH STANDARD TEST CONDITIONS OF 2000 ft ALTITUDE, 29.92 in-Hg ATMOSPHERIC PRESSURE, 60° F WATER TEMPERATURE, 10 ft LIFT, 20 ft OF 6 inch SUCTION HOSE & STRAINER*.

RATED CAPACITY (LITER/SEC)	CAPACITY (LITER/SEC)	PRESSURE (MPa)	POWER REQUIRED (kW)	"X" GEARBOX INPUT DRIVE SHAFT (Rev/Min)**										
				RATIO 2.83	TORQUE (N·m)	RATIO 2.55	TORQUE (N·m)	RATIO 2.32	TORQUE (N·m)	RATIO 2.13	TORQUE (N·m)	RATIO 1.96	TORQUE (N·m)	
90	PUMP MODEL			CB*10•17/90•45										
				8FG-G90-28X	8FG-G90-25X	8FG-G90-23X	8FG-G90-21X	8FG-G90-19X						
	90	1.03	138	900	1462	1000	1316	1100	1196	1200	1097	1300	1012	
	45	1.72	200	1140	1672	1270	1501	1400	1362	1520	1254	1650	1156	
110	PUMP MODEL			CB*10•17/110•55										
				8FG-G110-28X	8FG-G110-25X	8FG-G110-23X	8FG-G110-21X	8FG-G110-19X						
	110	1.03	157	920	1625	1020	1466	1130	1323	1230	1216	1330	1124	
	55	1.72	215	1150	1788	1270	1619	1400	1469	1530	1344	1650	1246	
130	PUMP MODEL			CB*10•17/130•65										
				8FG-G130-28X	8FG-G130-25X	8FG-G130-23X	8FG-G130-21X	8FG-G130-19X						
	130	1.03	187	950	1881	1050	1702	1160	1540	1260	1418	1370	1304	
	65	1.72	227	1150	1885	1280	1694	1400	1549	1530	1417	1660	1306	
150	PUMP MODEL			CB*10•17/150•75										
				8FG-G150-28X	8FG-G150-25X	8FG-G150C-23X	8FG-G150-21X	8FG-G150-19X						
	150	1.03	215	980	2098	1090	1886	1190	1728	1300	1582	1410	1458	
	75	1.72	238	1150	1976	1280	1776	1410	1612	1530	1486	1660	1369	
170	PUMP MODEL			CB*10•17/170•85										
				8FG-G170-28X	8FG-G170-25X	8FG-G170-23X	8FG-G170-21X	8FG-G170-19X						
	170	1.03	244	1010	2302	1120	2076	1230	1890	1350	1722	1460	1593	
	85	1.72	251	1160	2063	1280	1869	1410	1697	1540	1554	1670	1433	

HALE PRODUCTS, INC.
 A Unit of IDEX Corporation
 Conshohocken, PA 19428 USA

SCALE: NONE

SIZE: A

DRAWN: DLM

CHECKED: MAL

DATE: 12-08-05

DATE: 11/13/2006

APVD: MAL

MJP

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 MACHINERY

* NUMBER OF SUCTION HOSES & STRAINERS: 90 & 110 (1) HOSE; 130 & 150 (2) HOSES; 170 (3) HOSES.
 ** SPEED MUST NOT EXCEED ENGINE MANUFACTURER'S MAXIMUM NO-LOAD GOVERNED SPEED.
 *** THE PUMP IS CAPABLE OF THE HIGH PRESSURE PERFORMANCE SHOWN. 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, ELEVATION, 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.

ECON. REV	A	CHANGED FROM	RELEASE TO PRODUCTION	DATE	BY	APVD	MAL		
478				11/13/2006	MJP				

E-1264A

RATING CHART

8FG-G SERIES PUMP

E-1264A

RATED FROM 90 Liter/Sec @1.03 Mpa TO 100 Liter/Sec @1.03 Mpa
SINGLE STAGE PUMP- 330 mm (13 inch) DIAMETER IMPELLER

THE PUMP WILL PERFORM THE RATING WITH STANDARD TEST CONDITIONS OF SEA LEVEL ALTITUDE, 759.5 mm-Hg ATMOSPHERIC PRESSURE, 15.6° C WATER TEMPERATURE, 7 m LIFT, 9 m OF 150 mm SUCTION HOSE & STRAINER*.

THE PUMP WILL PERFORM THE RATING WITH STANDARD TEST CONDITIONS OF SEA LEVEL ALTITUDE, 29.92 in-Hg ATMOSPHERIC PRESSURE, 60° F WATER TEMPERATURE, 23 ft LIFT, 30 ft OF 6 inch SUCTION HOSE & STRAINER*.

RATED CAPACITY (LITER/SEC)	CAPACITY (LITER/SEC)	PRESSURE (MPa)	POWER REQUIRED (kW)	"X" GEARBOX INPUT DRIVE SHAFT (Rev/Min)**									
				RATIO 2.83	TORQUE (N-m)	RATIO 2.55	TORQUE (N-m)	RATIO 2.32	TORQUE (N-m)	RATIO 2.13	TORQUE (N-m)	RATIO 1.96	TORQUE (N-m)
90	PUMP MODEL			CB*10•17/90•45									
				8FG-G90-28X		8FG-G90-25X		8FG-G90-23X		8FG-G90-21X		8FG-G90-19X	
	90	1.03	106	1070	943	1190	848	1310	771	1430	706	1540	655
	45	1.72	147	1350	1041	1500	937	1650	852	1800	781	1950	721
100	PUMP MODEL			CB*10•17/100•50									
				8FG-G100-28X		8FG-G100-25X		8FG-G100-23X		8FG-G100-21X		8FG-G100-19X	
	100	1.03	117	1080	1038	1200	935	1320	850	1440	779	1560	719
	50	1.72	150	1350	1058	1500	952	1650	865	1800	793	1950	732

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* NUMBER OF SUCTION HOSES & STRAINERS: 90 & 100 (3) HOSES.
 ** SPEED MUST NOT EXCEED ENGINE MANUFACTURER'S MAXIMUM NO-LOAD GOVERNED SPEED.
 *** THE PUMP IS CAPABLE OF THE HIGH PRESSURE PERFORMANCE SHOWN. ACTUAL OBTAINABLE PRESSURE SHOULD BE CHECKED IN ADVANCE, AND IS GOVERNED BY ENGINE SPEED, AVAILABLE POWER AND PUMP RATIO.

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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.

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