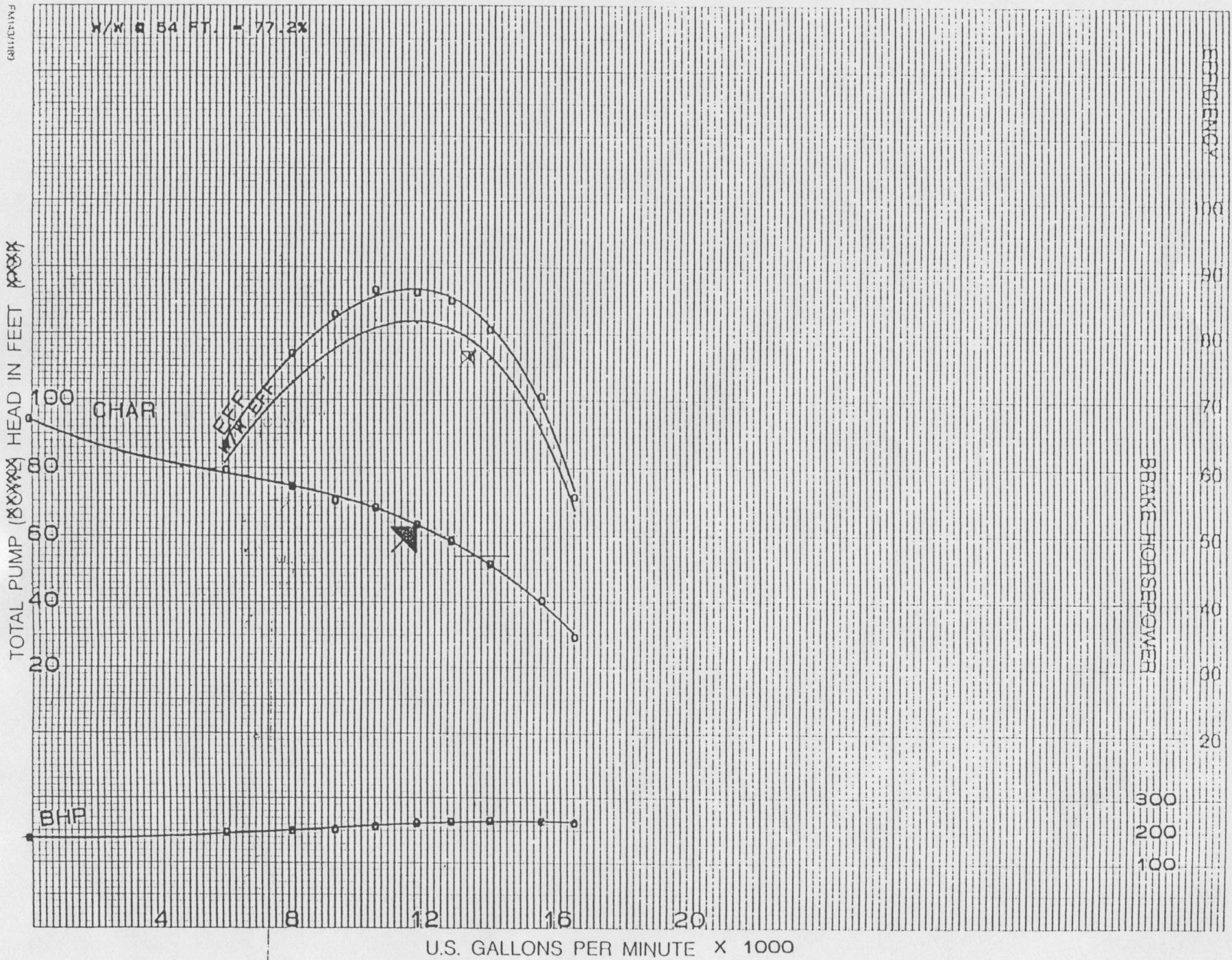




Fairbanks Morse
Pump Corporation

CERTIFIED CURVE

SERIAL NO. K4B1-062212-2 NO. STAGES ONE SIZE-MODEL 20-5821
TEST DATE 12/21/95 DRIVER 250HP SALES IMPELLER .020C1B
CERTIFIED CORRECT BY [Signature] DATE 12/95 IMPELLER DIA. 17.75"
RPM(S) 891



FM1431183



PUMP TEST LOG

CUSTOMER		OPERATIVE CONDITIONS		EQUIPMENT		DATA	
Thompson - 11 ^c Duqu A TV Size <u>20'</u> CW <u>58.2</u> / <u>1</u> Pump Order _____		<u>11822</u> GPM <u>62.5</u> Fl. Tot. Hd. PSI <u>880</u> RPM <u>W/ 1076.4</u> % Eff. <u>4.5</u> Motor Engine MAX MAX SO. BHP <u>250</u>		Size of <u>Ricometer</u> <u>1751127</u> Pump Discharge <u>Venturi</u> Gauge No. <u>46</u> Suction Gauge <u>175</u> Load Cell Torque _____ Pounds Scales _____		Serial No. <u>K4D-062212-2</u> Impeller Symbol <u>020C1B</u> Reference _____ Diam. <u>17.75</u> Inches T.O.B./Imp. Clearance _____	
Tested By <u>Todd-Freeze</u> Date <u>12-21-95</u>							

DISCHARGE HEAD "A"		SUCTION LIFT "B"	VEL. HEAD DIFF. FEET "C"	TOTAL HEAD FEET A B C & D	PSI	U.S. GALLONS PER MIN	PRESSURE HEAD	SIZE OF NOZ.	W.W. EFF.	% EFF. PUMP	DHP INPUT TO PUMP	SPEED RPM	TORQUE FOOT-POUNDS	W.W. HP	K.W. INPUT	WATTMETER READING	VOLTS	AMPS	REMARKS
ACTUAL GAGE HEAD FEET	CORRECTED GAGE HEAD FEET	FEET	FEET	FEET															
88.2	87.9	3.3	-	93.8							169.0	893	80	178.3		133	456	216	WATTMETER 168.0
73.0	72.6	3.7	-	78.9		6000	3.0		53.8	65.3	189.0	892	82	199.7		149	453	229	Witness
67.5	67.1	4.3	-	74.0		8005	4.4		72.5	76.7	195	892	82	206.4		154	452	241	Certified Curve
62.5	62.1	5.0	-	69.7		9300	6.0		78.3	82.7	198	892	82	209.1		156	453	242	Curve Approval
59.8	59.4	5.6		67.6		10520	7.6		81.7	86.3	208	892	83	219.8		164	453	255	Mechanical Seal
54.0	53.7	6.4		62.7		11775	9.5		81.3	85.9	217	891	83	225.2		171	453	263	
49.3	48.0	7.2		57.8		12821	11.3		79.8	84.7	221	891	83	234.6		175	452	270	
40.7	40.4	8.0		51.0		13976	13.4		75.7	80.4	224	891	83	238.3		177	451	272	
28.2	27.9	9.3		39.8		15530	16.5		66.2	70.3	222	891	83	235.9		176	451	271	
16.2	15.9	10.3		28.8		16516	18.6		52.7	55.3	210	891	83	227.9		170	453	266	
43.7	43.4	7.8		53.8		13490	12.5		77.2	81.8	224	891	83	237.3		177	451	272	
51.8	51.5	6.4		60.5		11775	9.5												H ₂ O - 61 °F
54.0	53.7	6.4		62.7		11775			81.3	85.9	210	891		227.2					Baro - 29.5

Pump Driven By 250 HP
Dynamometer
Sales Motor
Test-Motor-No. 696582/411/173027
Motor Eff. at $\frac{1}{2}$ $\frac{3}{4}$ $\frac{4}{5}$ Name Plate Reading PR-5

Max. Pipe Size	Suction <u>26</u> Inches
	Discharge <u>20</u> Inches

Distance Between Gages	Plus <u>2.6</u>	Minus <u>—</u>	Fl. "D"
Pipe Inside Diameter at Gage	Suction <u>2.0</u>	Discharge <u>2.0</u>	Inches Inches

Liquid to be Pumped