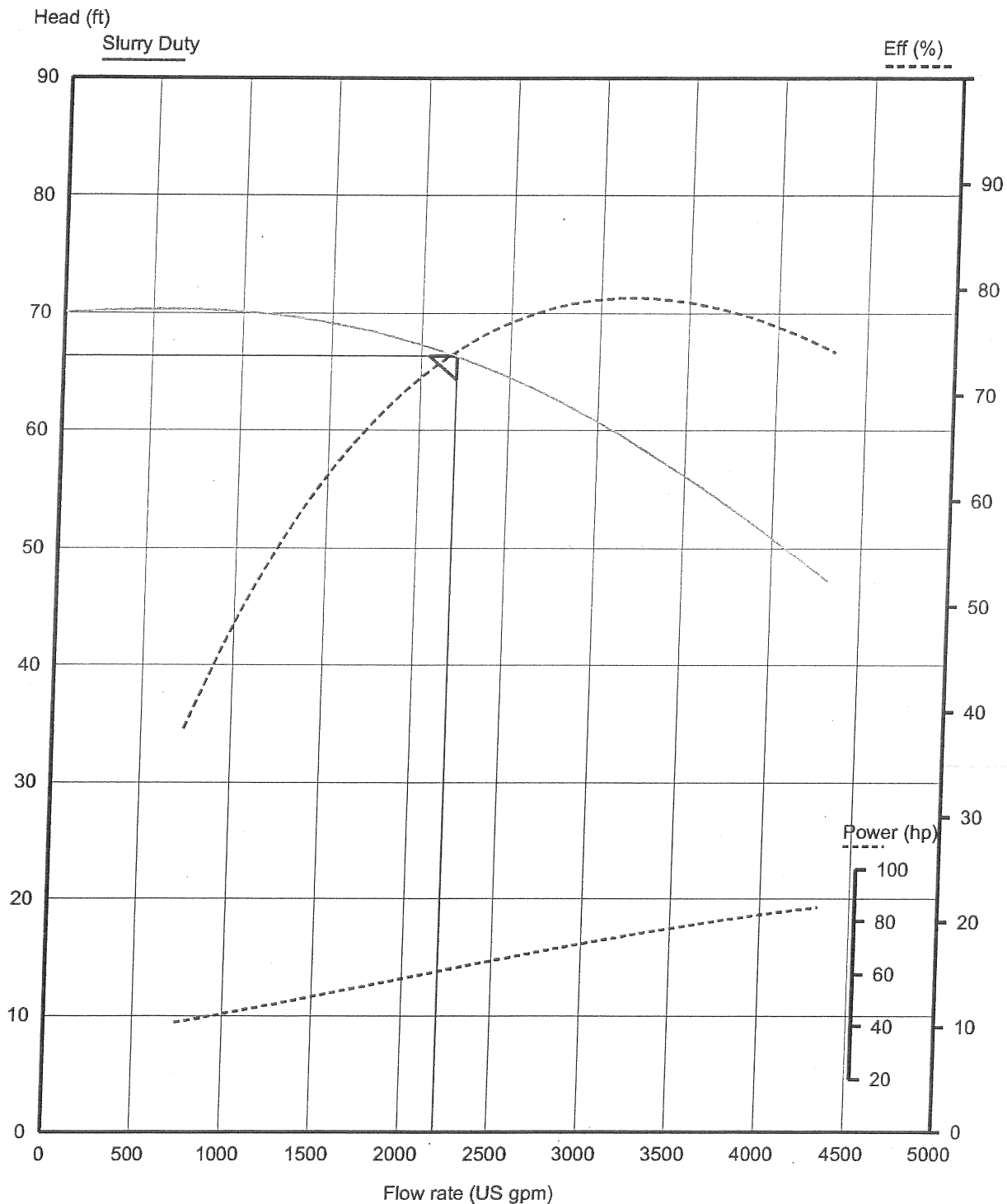


<b>McLanahan</b> CORPORATION	<b>LP III r 250/200</b>		<b>863 RPM</b>				
	Flow	2200 US gpm	Power Abs	61.28 hp	Stages	1	
	Head	66.33 ft	Efficiency	74.22 %	Max Spd	1200 RPM	
	SG	1.233	BEP Effc.	79.1 %	Qbep	69 %	
	d50	0.3 in.	Tip Speed	20.51 m/s	Head Corr	0.891	
Date / /							
Ref	Q1706 P3 R1	NPSHr	9.423 ft	Imp Diam	17.87 in.	Eff Corr	0.891



# Pump Selection Technical Report

Quote Ref No : Q1706 P3 R1

Date : / /

Project Name Best Sand

Customer

Address

Pipe Module Technical Report Code : Q1706 P3 R1

Flow Rate	2200.00 US gpm
Suction height	0.00 ft
Discharge height	35.00 ft
Discharge pressure	15.00 psi

Pipe Section	Pipe 1
Pipes in Parallel	1
Pipe Length	60.0 ft
Nominal Diameter	10.0 in
Inside Diameter	9.6 in
Pipe Material	STEEL
Hazen factor	130
Pipe Fittings	2

1 MEDIUM ELBOW, 90°

1 SUDDEN EXPANSION

Reynold's No	727709
Velocity	9.83 ft/s
Settling Vel	10.28 ft/s
Friction Loss	
Fittings	1.3 ft
Pipe	2.0 ft
Total	3.2 ft

NPSHa	30.92 ft
Static head	63.09 ft
Friction head	3.24 ft
Total head	66.33 ft
□Speed Head	74.5 ft

SG Solid	2.700	Solids Flow	206.90 Tons/hr
SG Liquid	1.000	% Solid Wt	30.0 %
SG Slurry	1.233	% Solid Vol	13.7 %
Head Ratio	0.89	D50 Size	0.3000 mm
Eff Ratio	1.00	Max Size	0.3000 in.

No of pumps 1

Pump Model	250/200	Supplier	McLanahan
Flow rate	2200.0 US gpm	Power Abs	61.28 hp
Head	66.3 ft	Power Req	70.47 hp
Pump speed	863 RPM	Motor size	100.50 hp
NPSHr	9.4 ft	Efficiency	74.2 %
Impeller D	17.874 in.	BEP	79.1 %

□