

PERFORMANCE CURVE OF 8HF22 @1500 R.P.M

8HF22/Y/0111



HF RANGE

MODEL 8HF22

WORKING PRESS. 25 bar

SIZE 350x250-554

TEST PRESS. 37.5bar

TYPE-AXIALLY SPLIT CASE SINGLE STAGE

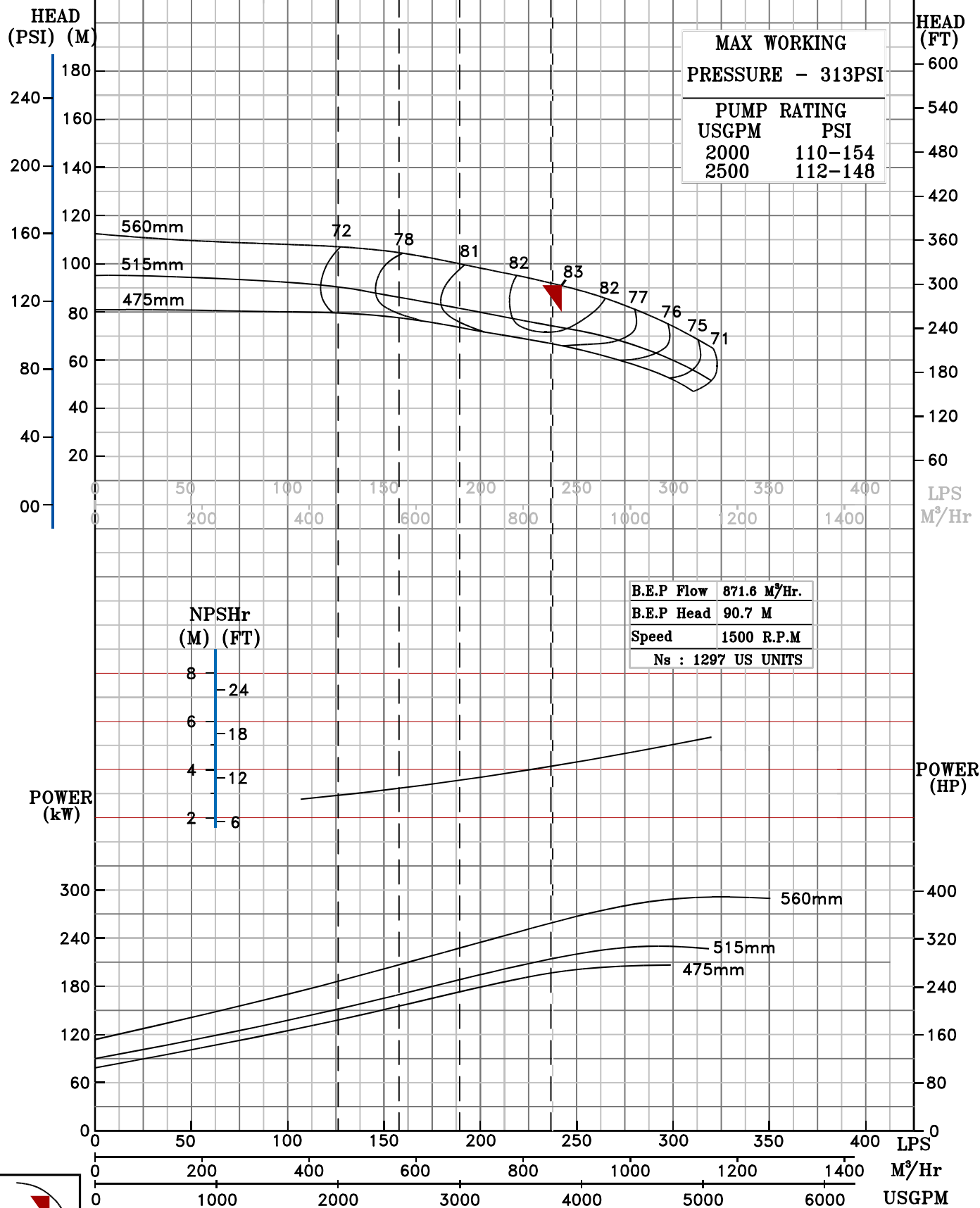
SPEED 1500 rpm

RATED CAPACITY - 2000,2500 USGPM

PUMP PERFORMANCE CHARACTERISTICS COMPUTED BASED ON CLEAN COLD WATER S.G 1.0

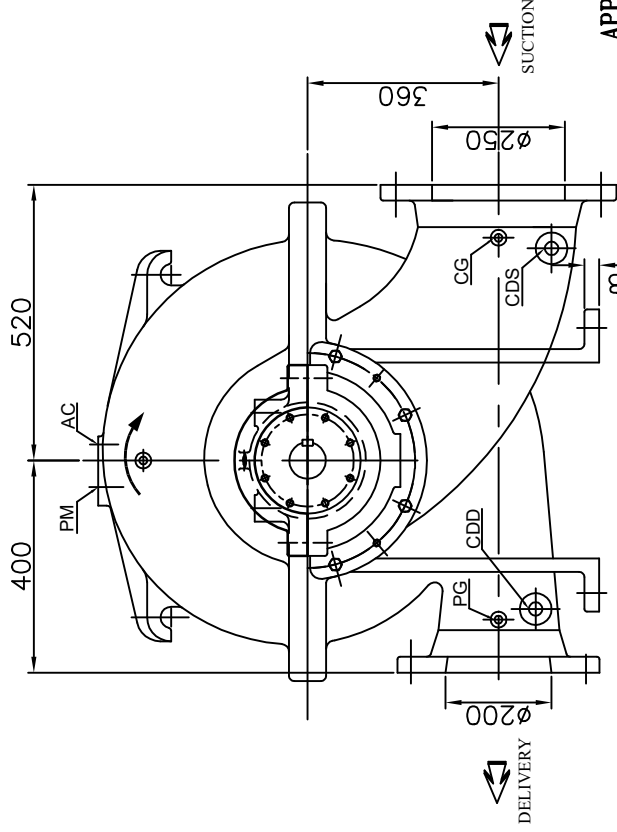
Curve No.	8034L
Impeller No.	834G030P

Max. Impeller Dia.	560mm
Min. Impeller Dia.	475mm
Shaft : Gr-4	

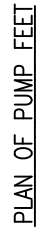


1500 RPM

GENERAL ARRANGEMENT DRAWING FOR SINGLE STAGE AXIALLY SPLIT CASE PUMP MODEL – 8HF22



Technical drawing of a rectangular plate. The overall dimensions are 570 (width) and 500 (height). The plate has four holes, each with a diameter of $\varnothing 28$. The holes are arranged in two rows of two. The distance between the centers of the holes in the same row is 470. The distance between the centers of the holes in the same column is 530. The distance from the top edge to the center of the top holes is 100. The distance from the bottom edge to the center of the bottom holes is 100. The distance from the left edge to the center of the left holes is 100. The distance from the right edge to the center of the right holes is 100.



SHAFT DETAIL AT
COUPLING END

CONNECTIONS		
ITEM	DESCRIPTION	SIZE(NPT)
GD	GLAND DRAIN	1"
CG	COMPOUND GAUGE FOR SUCTION	3/8"
PG	PRESSURE GAUGE FOR DELIVERY	3/8"
AC	AIR COCK	3/8"
PM	PRIMING	1-1/2"
CDS	CASING DRAIN(SUCTION SIDE)	1"
CDD	CASING DRAIN(DELIVERY SIDE)	1"

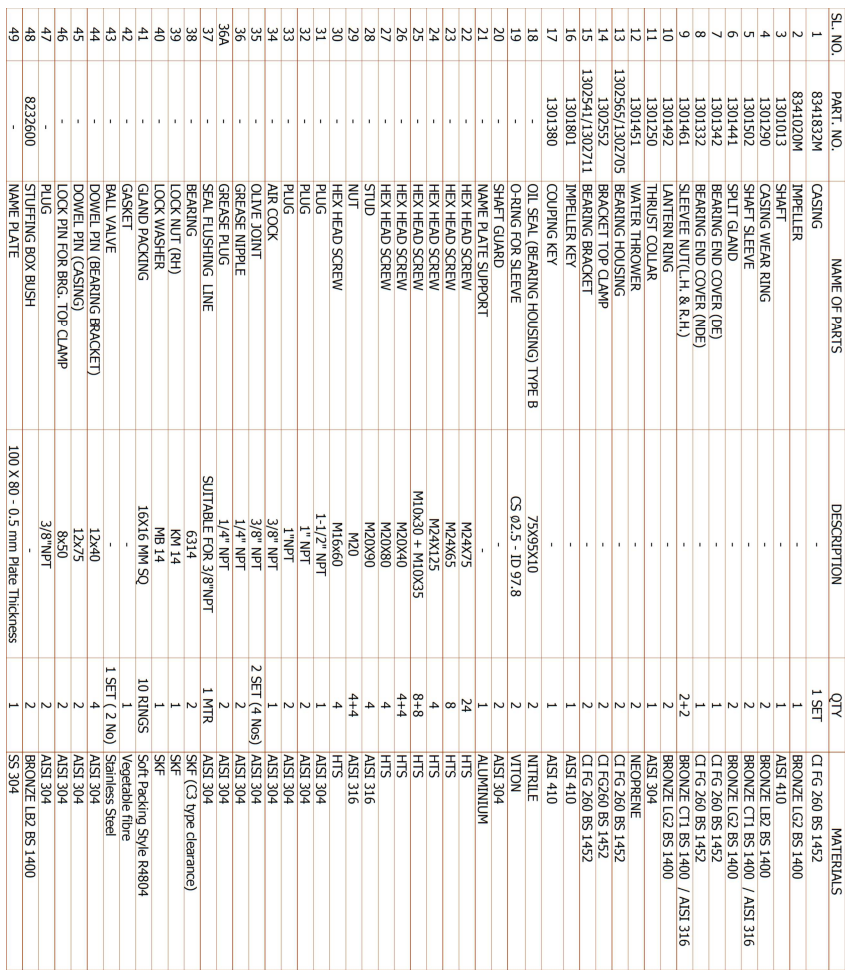
PROJECT NAME—

E-
PUMPSENSE

SCALE 1:1

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Datasheet For : 8HF22			
	PARAMETERS	UNIT	VALUE
RATED DUTY	Capacity	M³/Hr	1065.6
	Total Head	Mt	130
	Speed	RPM	1800
	Type of Pump		Horizontal Single Stage Pump
	Liquid		Clear Water
	Specific Gravity		1
	Temperature	°C	32
	Driver		Electric Motor
	No. Off		1
PUMP DETAILS	Make		PUMPSENSE
	Stages		Single Stage
	Model No.		8HF22
	Discharge	mm	200
	Flange Rating Discharge		ASME/ANSI B16.1 - Class 250
	Suction	mm	250
	Suction Flange Rating		ASME/ANSI B16.1 - Class 250
	Type of Casing		Single Volute
	Type of Impeller		Shrouded Double Entry
	Impeller Diameter Max	mm	560
	Impeller Diameter Min	mm	475
	Rotation		CW
PERFORMANCE DETAILS AS RATED DUTY	Efficiency	%	83
	Rated Speed	RPM	1800
	NPSHr	Mt	5.8
	Power Absorbed	kW	455
	Recommended Driver Power	kW	523
	Driver Details		4 Pole, 60 Hz, 3 Phase AC Induction Motor
MECHANICAL DATA	Bare Pump Weight	kg	900
	Shaft dia. at coupling	mm	69
	N.D.E. Bearing		1 X SKF 6314 C3
	D.E. Bearing		1 X SKF 6314 C3
MATERIALS OF CONSTRUCTION	Casing		Cast Iron CI FG 260
	Impeller		Leaded Gunmetal BS 1400 LG2
	Casing Wear Ring		Leaded Bronze BS 1400 LB2
	Shaft		ASTM A 276/ A 182 Type 410
	Shaft Sleeve & Nuts		Tin Bronze/ Zinc Free Bornze BS 1400 CT1
	Gland		Leaded Gunmetal BS 1400 LG2
	Lantern Ring		Leaded Gunmetal BS 1400 LG2
	Stuffing Box		Gland Packed Fitted
	Packing		CARRARA Make Soft Packing Style R4804
	Fasteners		HTS GR. 10.9