

TEST CURVE OF 8HF21 @1480 R.P.M



HF RANGE

RATED CAPACITY - 2000 USGPM

MODEL 8HF21

SIZE 250x200-520

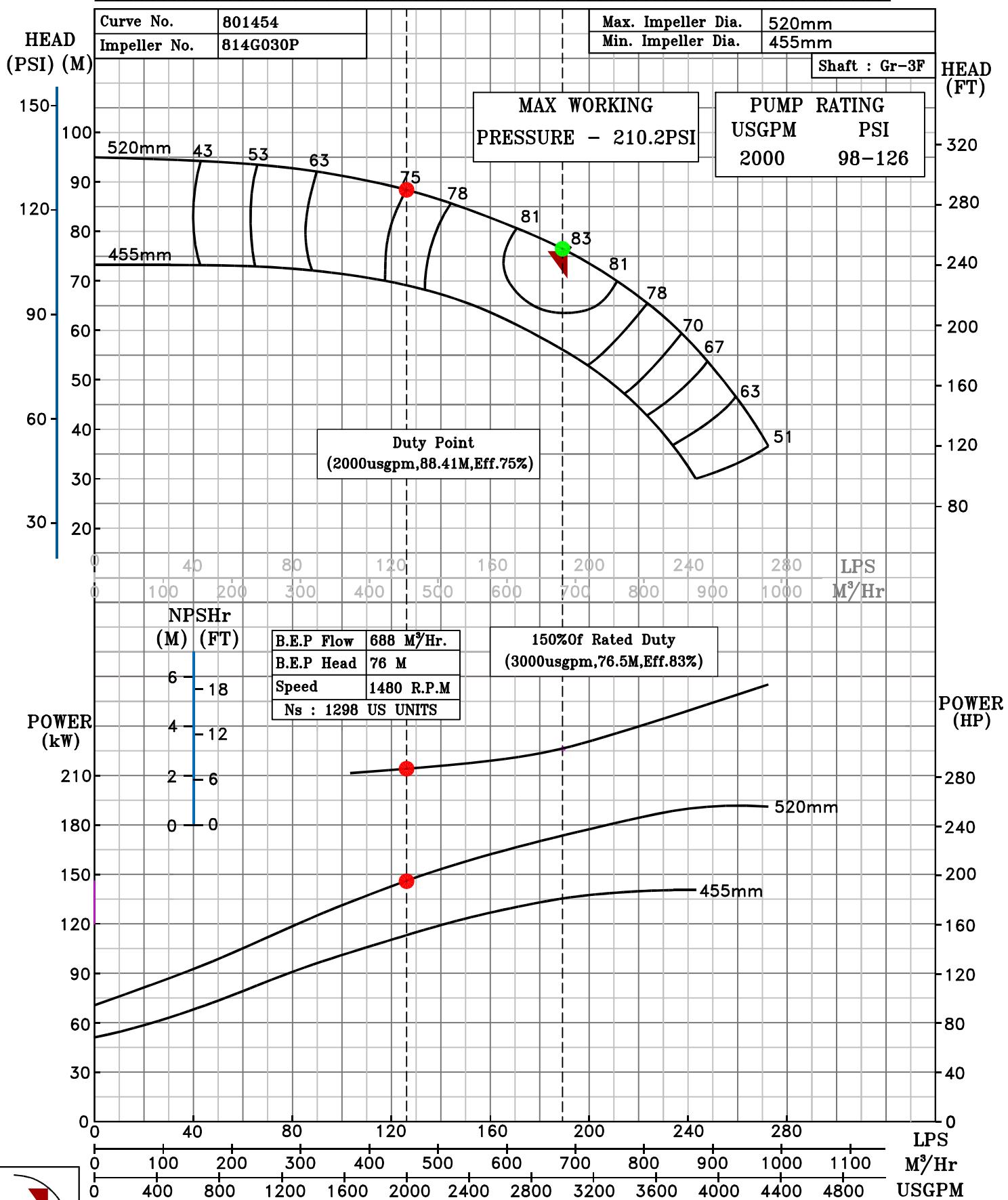
TYPE-AXIALLY SPLIT CASE SINGLE STAGE

FM APPROVED

SPEED 1480 rpm

DATE - 12.08.16

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

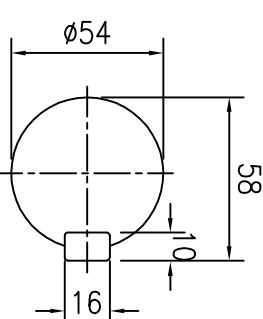
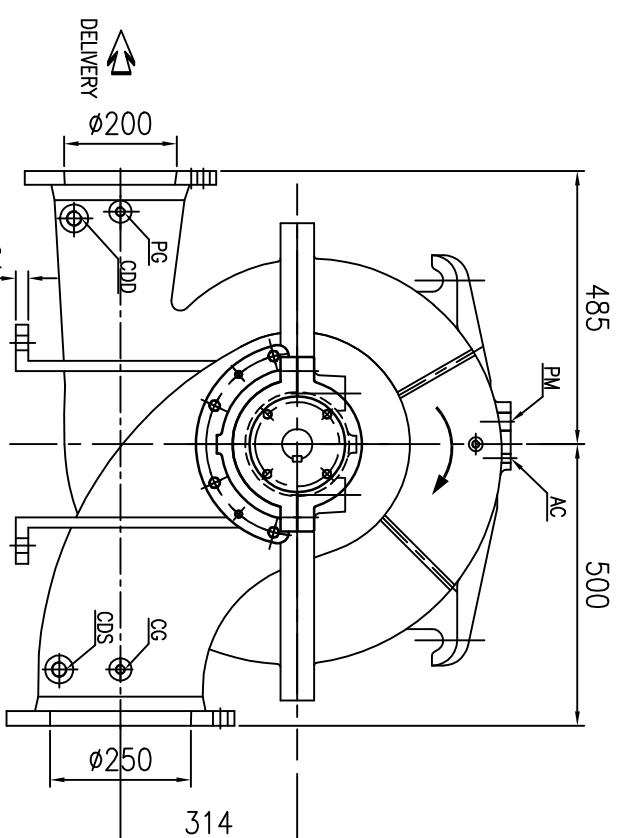
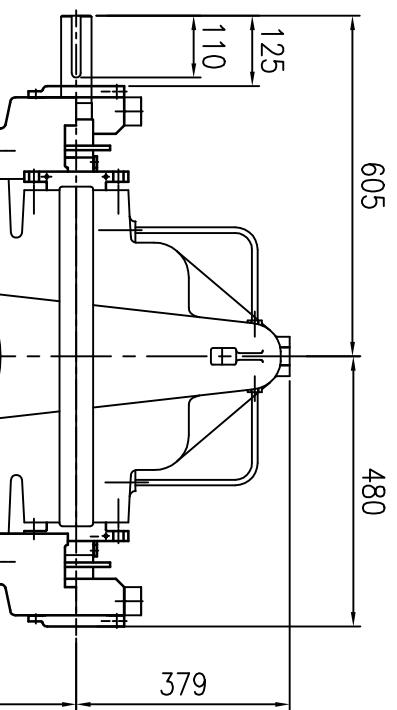


1480 RPM

PUMP MODEL - 8HF21

GENERAL ARRANGEMENT DRAWING FOR SINGLE STAGE AXIALLY SPLIT CASE PUMP MODEL = 8HF21

**CLOCK-WISE ROTATION
LOOKING FROM DRIVE END**

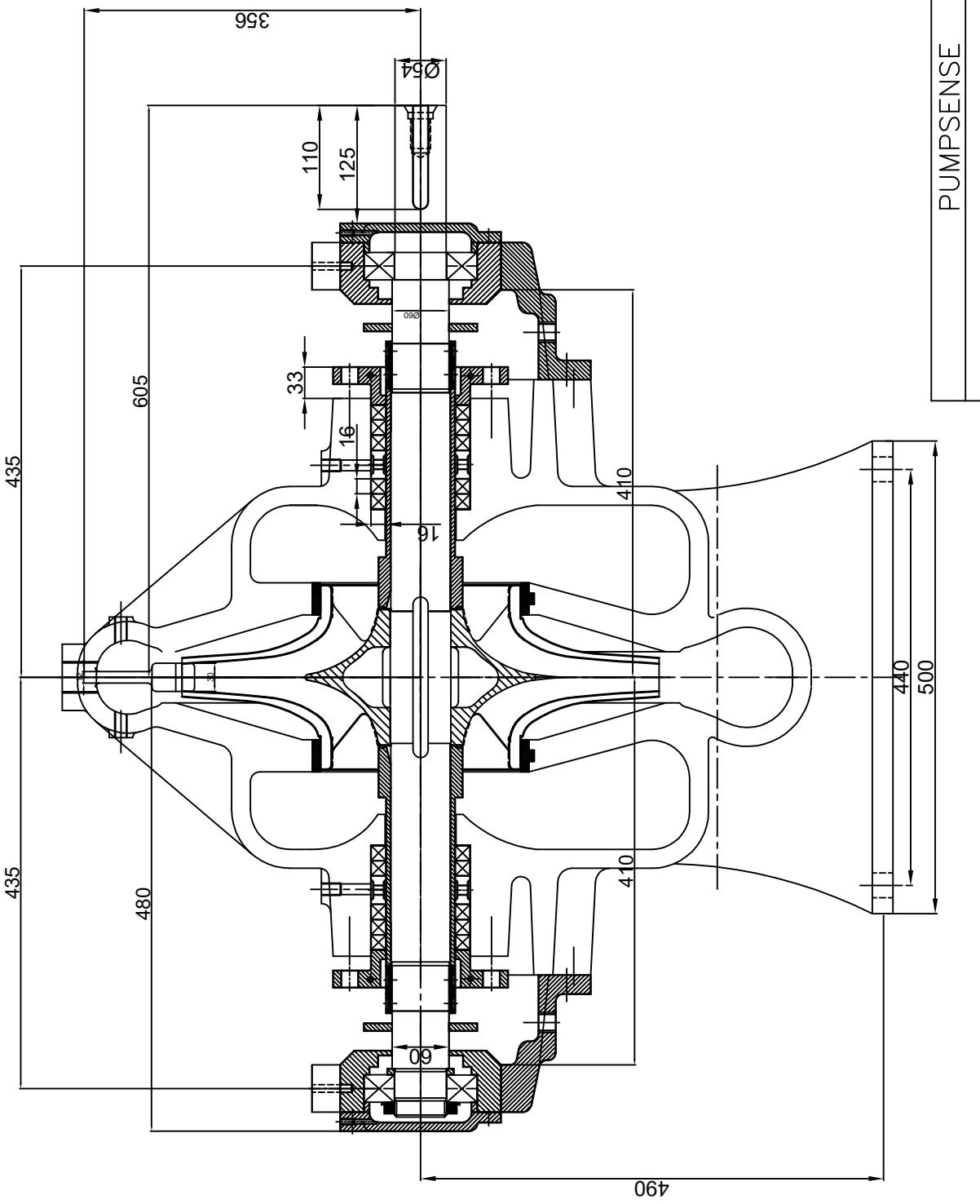


VIEW IN DIRECTION OF 'Z'

ITEM	DESCRIPTION	SIZE(NPT)
	CONNECTION	

**** GAUGE CONNECTIONS DRILLED AND TAPPED ONLY WHEN SPECIFICALLY REQUESTED BY THE CUSTOMER.**

PLAN OF PUMP FEET



TITLE- SET-OUT DRAWING FOR PUMP MODEL 8HF21 (Gland Packing)		SCALE 1:1	REV. 0
DRN	ST	11.05.15	DRG.NO.
CHKD	SP	11.05.15	815SE10Y
APPD	HS	11.05.15	PART NO. 8152620
DESCRIPTION	DRN	CHKD DATE	REV.
REV.			

Datasheet For : 8HF21

	PARAMETERS	UNIT	VALUE
RATED DUTY	Capacity	M ³ /Hr	684
	Total Head	Mt	76
	Speed	RPM	1480
	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.		8HF21
	Discharge	mm	200
	Flange Rating Discharge		PN 16 - BS EN 1092-2
	Suction	mm	250
	Suction Flange Rating		PN 16 - BS EN 1092-2
	Type of Casing		Single Volute
	Type of Impeller		Shrouded Double Entry
	Impeller Diameter Max	mm	520
	Impeller Diameter Min	mm	455
	Rotation		CW
PERFORMANCE DETAILS AS RATED DUTY	Efficiency	%	83
	Rated Speed	RPM	1480
	NPSHr	Mt	3
	Power Absorbed	kW	171
	Recommended Driver Power	kW	196
	Driver Details		4 Pole, 50 Hz, 3 Phase AC Induction Motor
MECHANICAL DATA	Bare Pump Weight	kg	840
	Shaft dia. at coupling	mm	54
	N.D.E. Bearing		1 X SKF 6311 C3
	D.E. Bearing		1 X SKF 6311 C3
	Casing		Cast Iron CI FG 260
MATERIALS OF CONSTRUCTION	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 Bronze 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