

PERFORMANCE CURVE OF 10HF22 MK2 @1780 R.P.M

10HF20/Y/802764



HF RANGE

RATED CAPACITY - 4000 USGPM

MODEL 10HF20

WORKING PRESS. 25 bar

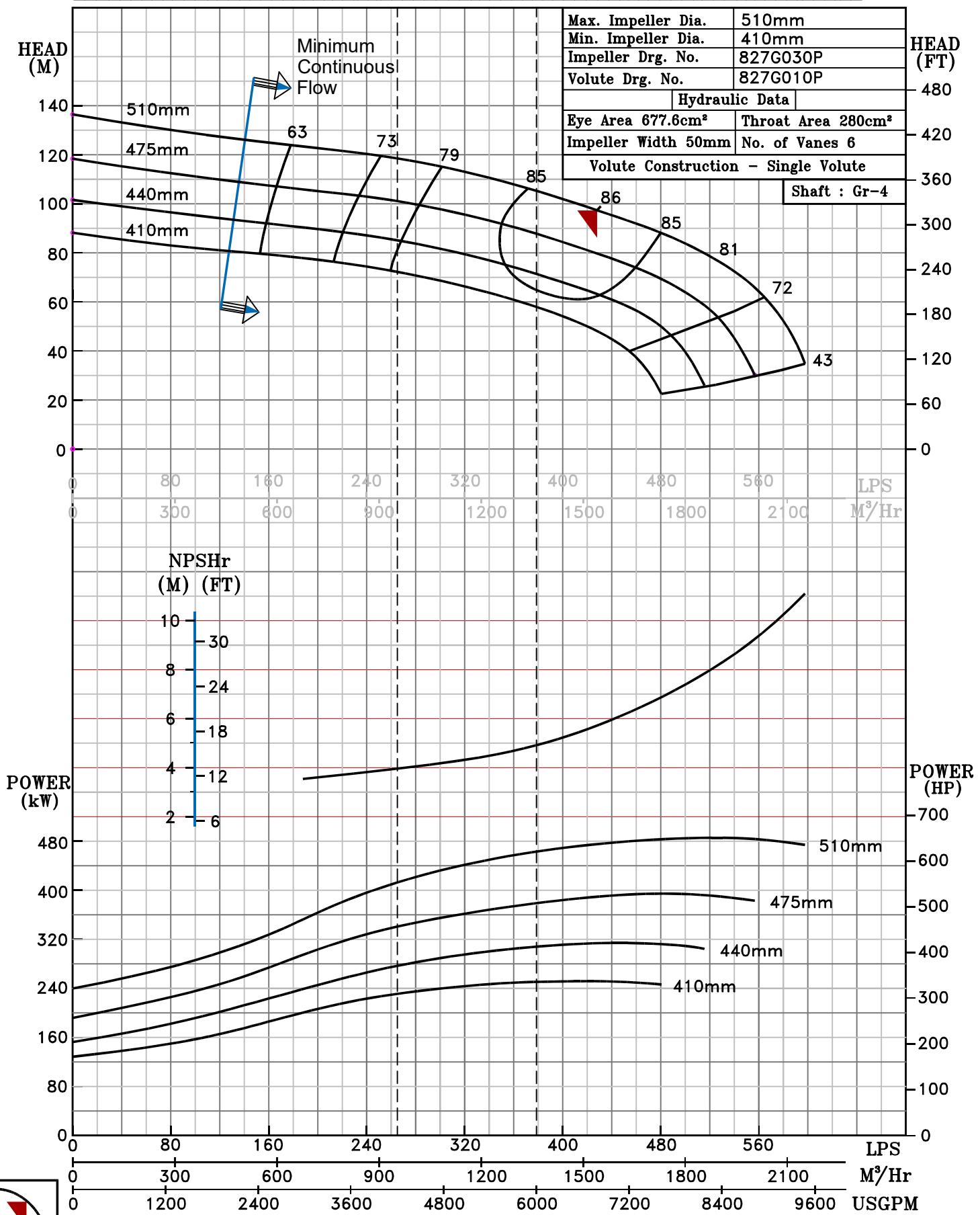
SIZE 350x250-510

TEST PRESS. 37.5bar

TYPE-AXIALLY SPLIT CASE SINGLE STAGE

SPEED 1780 rpm

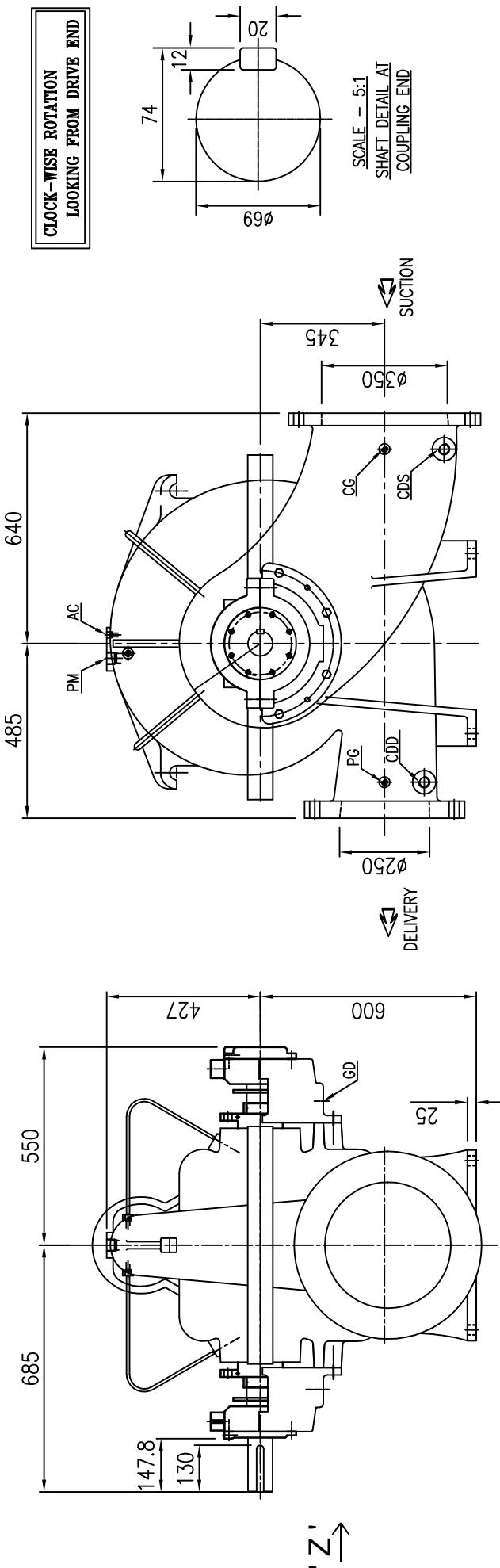
PUMP PERFORMANCE CHARACTERISTICS COMPUTED BASED ON CLEAN COLD WATER S.G 1.0



PUMP MODEL - 10HF20 MK2

GENERAL ARRANGEMENT DRAWING FOR SINGLE STAGE AXIALLY SPLIT CASE PUMP MODEL - 10HF22MK2

**CLOCKWISE ROTATION
LOOKING FROM DRIVE END**



VIEW IN DIRECTION OF Z'

APPROX. NET WEIGHT - 1078kg.

ALL DIMENSIONS ARE IN MM.

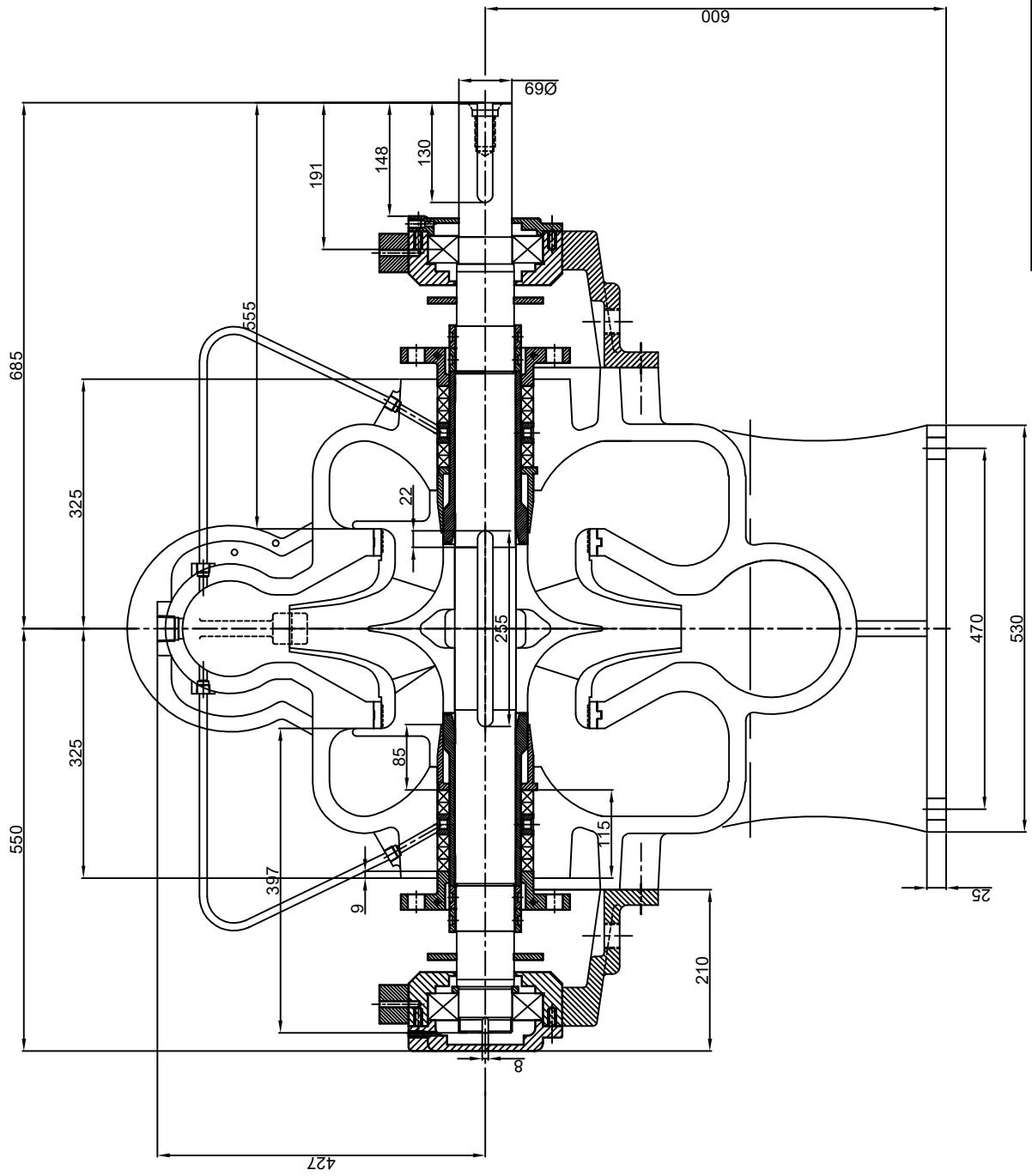
CONNECTIONS		SIZE(NPT)
ITEM	DESCRIPTION	
GD	GLAND DRAIN	1"
CG	COMPOUND GAUGE FOR SUCTION	3/8"
PG	PRESSURE GAUGE FOR DELIVERY	3/8"
AC	AIR COCK	3/8"
PM	PRIMING	1-1/2"
CDS	CASING DRAIN(SUCTION SIDE)	1"
CDD	CASING DRAIN(DELIVERY SIDE)	1"

THE SECRETARY AUTHORIZED BY THE GOVERNOR.

PROJECT NAME:-		JOB NO.:-		PUMPSENSE		SCALE	
				TITLE- GA DRG. FOR 10HF22 MK2		1:1	
				DRN	SP 18.09.14	DRG. NO.	REV
				CHKD	SP 18.09.14	827GA10Y	0
REV	DESCRIPTION	DRN	CHKD	DATE	APPD HS 18.09.14		

S	ANSI#250	23"	20-1/4"	2-1/8"	20,	Ø1-1/4"	—	—	17-1/2"	15-1/4"	1-7/8"	16,	Ø1-1/8"	—	—
D	ANSI#250														
REF.	TYPE OF FLANGE.	O.D.	P.C.D.	THK	NO SIZE OF HOLE	RFØ	RF	THK	O.D.	P.C.D.	THK	MIN	NO SIZE OF HOLE	RFØ	RF THK
NO.					OFF C/L	R.F.	FLANGE					MIN OFF C/L	R.F.	FLANGE	
	SUCTION - Ø350													DELIVERY - Ø260	

SET-OUT DRAWING FOR 10HF22 MK2 (PACK GLAND FITTED)



SL.NO.	SET-OUT DESCRIPTION	1	REMARKS
TITLE- SET-OUT DRAWING FOR 10HF22 MK2 (GLAND PACK FITTED)			
DRN	TK	22/02/18	DRG. NO.
CHKD	AD	22/02/18	824SF10Y-MK2
APPD	HS	22/02/18	REV. 0

REV.	DESCRIPTION	DRN	CHKD	DATE

Datasheet For : 10HF22 MK2			
	PARAMETERS	UNIT	VALUE
RATED DUTY	Capacity	M ³ /Hr	1548
	Total Head	Mt	98
	Speed	RPM	1780
	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.		10HF22 MK2
	Discharge	mm	250
	Flange Rating Discharge		ASME/ANSI B16.1 - Class 250
	Suction	mm	350
	Suction Flange Rating		ASME/ANSI B16.1 - Class 250
	Type of Casing		Single Volute
	Type of Impeller		Shrouded Double Entry
	Impeller Diameter Max	mm	510
	Impeller Diameter Min	mm	410
PERFORMANCE DETAILS AS RATED DUTY	Rotation		CW
	Efficiency	%	86
	Rated Speed	RPM	1780
	NPSHr	Mt	5.5
	Power Absorbed	kW	481
	Recommended Driver Power	kW	553
MECHANICAL DATA	Driver Details		4 Pole, 60 Hz, 3 Phase AC Induction Motor
	Bare Pump Weight	kg	1078
	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 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