

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

10HF20/Y/802764



HF RANGE

RATED CAPACITY - 4000 USGPM

MODEL 10HF20

WORKING PRESS. 25 bar

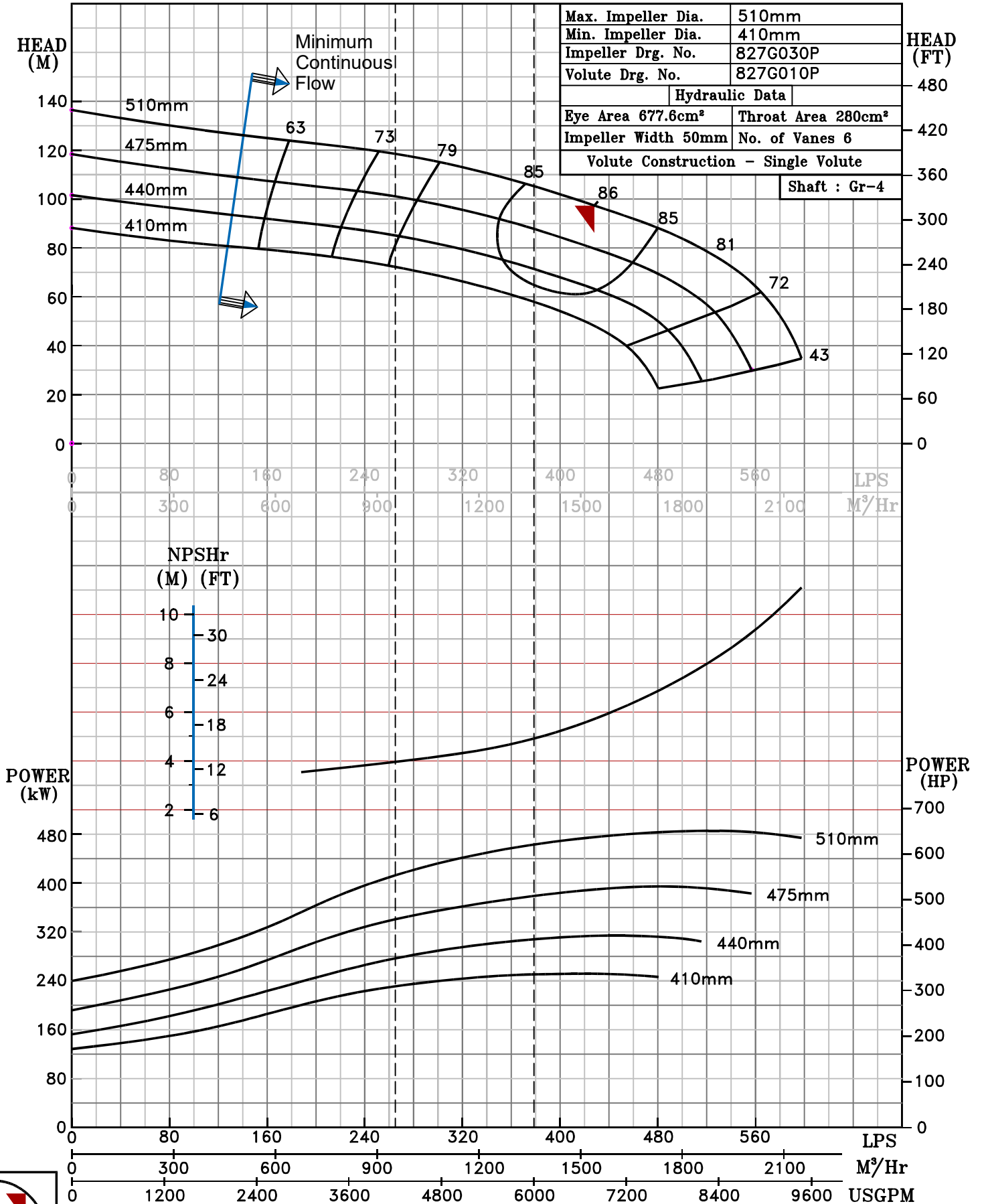
SIZE 350x250-510

TEST PRESS. 37.5bar

TYPE-AXIALLY SPLIT CASE SINGLE STAGE

SPEED 1780 rpm

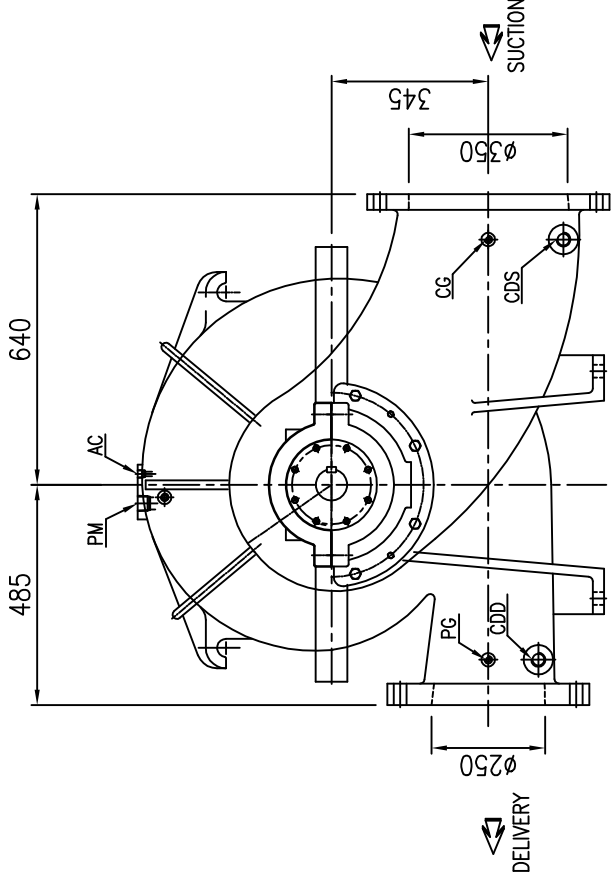
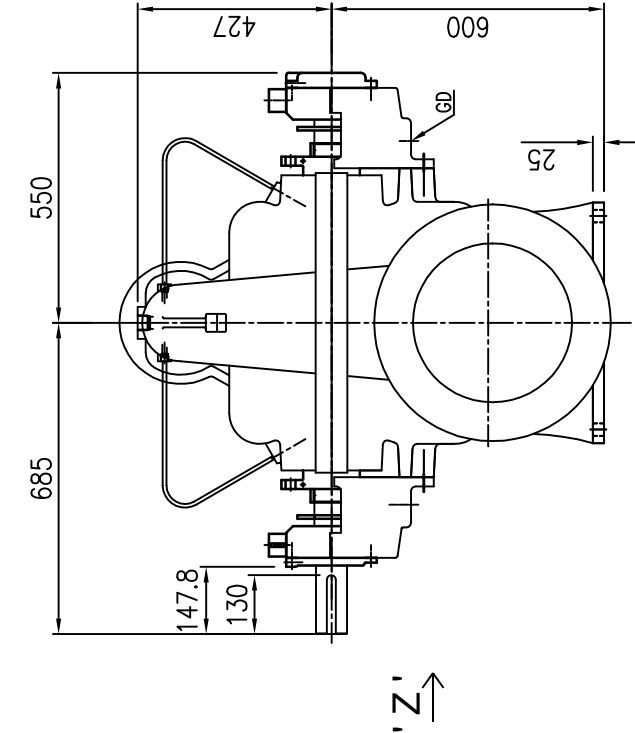
PUMP PERFORMANCE CHARACTERISTICS COMPUTED BASED ON CLEAN COLD WATER S.G. 1.0



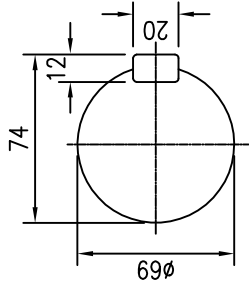
1780 RPM

PUMP MODEL - 10HF20 MK2

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

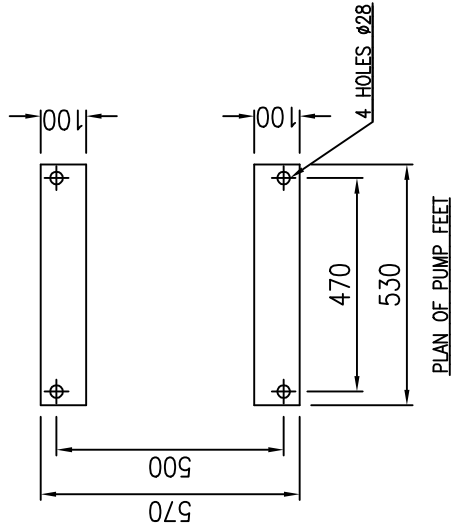


CLOCK-WISE ROTATION
LOOKING FROM DRIVE END



SCALE - 5:1
SHAFT DETAIL AT
COUPLING END

VIEW IN DIRECTION OF ' Z '



PLAN OF PUMP FEET

APPROX. NET WEIGHT - 1078kg.
ALL DIMENSIONS ARE IN MM.

CONNECTIONS	
ITEM	DESCRIPTION
GD	GLAND DRAIN
CG	COMPOUND GAUGE FOR SUCTION
PG	PRESSURE GAUGE FOR DELIVERY
AC	AIR COCK
PM	PRIMING
CDS	CASING DRAIN(SUCTION SIDE)
CDD	CASING DRAIN(DELIVERY SIDE)

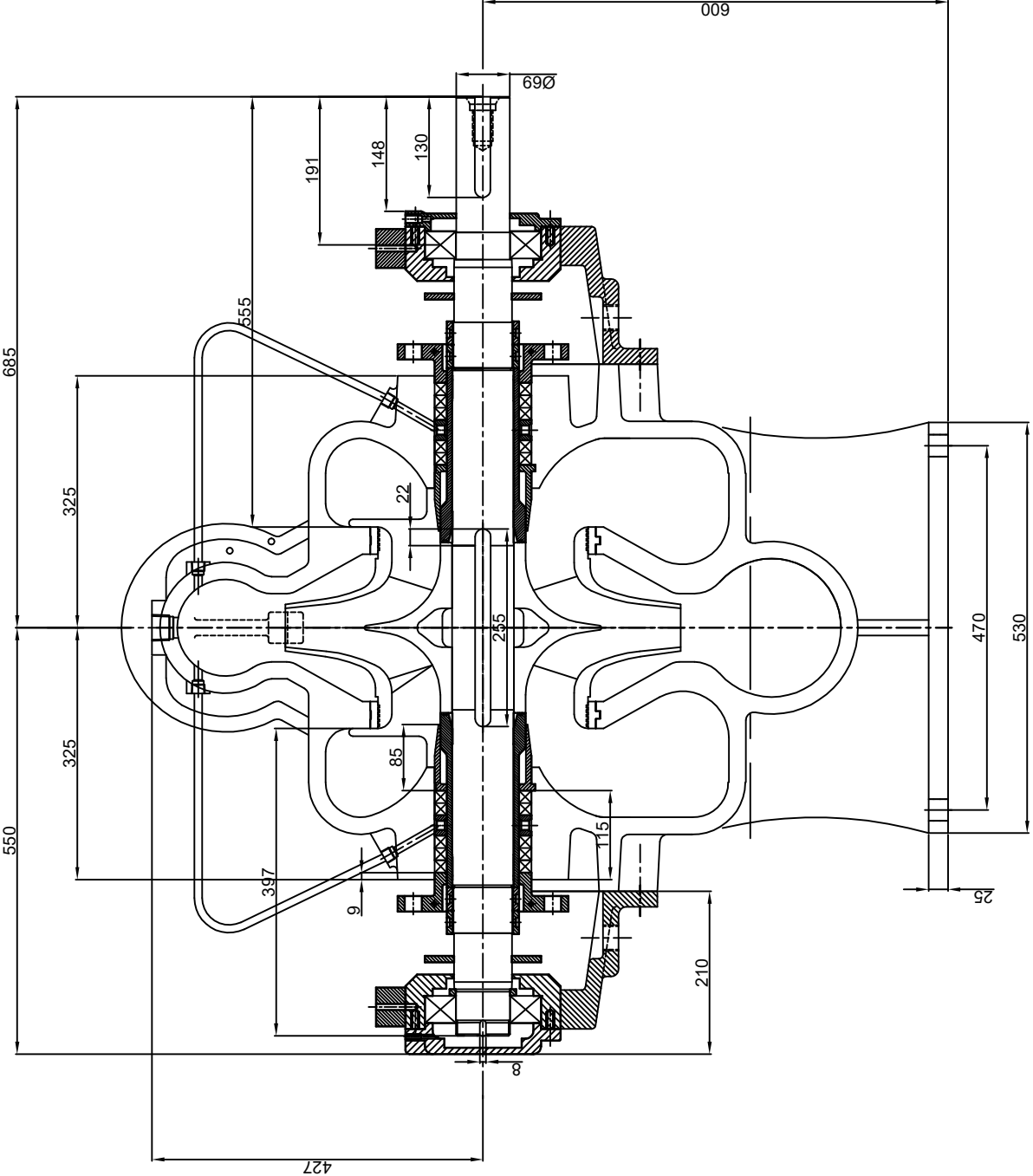
** GAUGE CONNECTIONS DRILLED AND TAPPED ONLY
THESE SPECIFICALLY REQUESTED BY THE CUSTOMER.

PROJECT NAME—		JOB NO.—	
PUMPSENSE			
TITLE—			
GA DRG. FOR 10HF22 MK2			
DRN	SP	15.08.14	DRG. NO.
CHKD	SP	15.08.14	827/GA10Y
APPD	HS	15.08.14	REV
SCALE		1:1	
0		0	

REV	DESCRIPTION	DRN	CHKD	DATE

S	ANSI#250	SUCTION — ø350				DELIVERY — ø250			
		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. NO.	TYPE OF FLANGE.	O.D.	P.C.D.	THK MIN	NO SIZE OF HOLE OFF C/L	O.D.	P.C.D.	THK MIN	NO SIZE OF HOLE OFF C/L

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



Datasheet For : 10HF22 MK2			
	PARAMETERS	UNIT	VALUE
RATED DUTY	Capacity	M³/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
	Rotation		CW
PERFORMANCE DETAILS AS RATED DUTY	Efficiency	%	86
	Rated Speed	RPM	1780
	NPSHr	Mt	5.5
	Power Absorbed	kW	481
	Recommended Driver Power	kW	553
	Driver Details		4 Pole, 60 Hz, 3 Phase AC Induction Motor
MECHANICAL DATA			
	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 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