

MARCH 2022

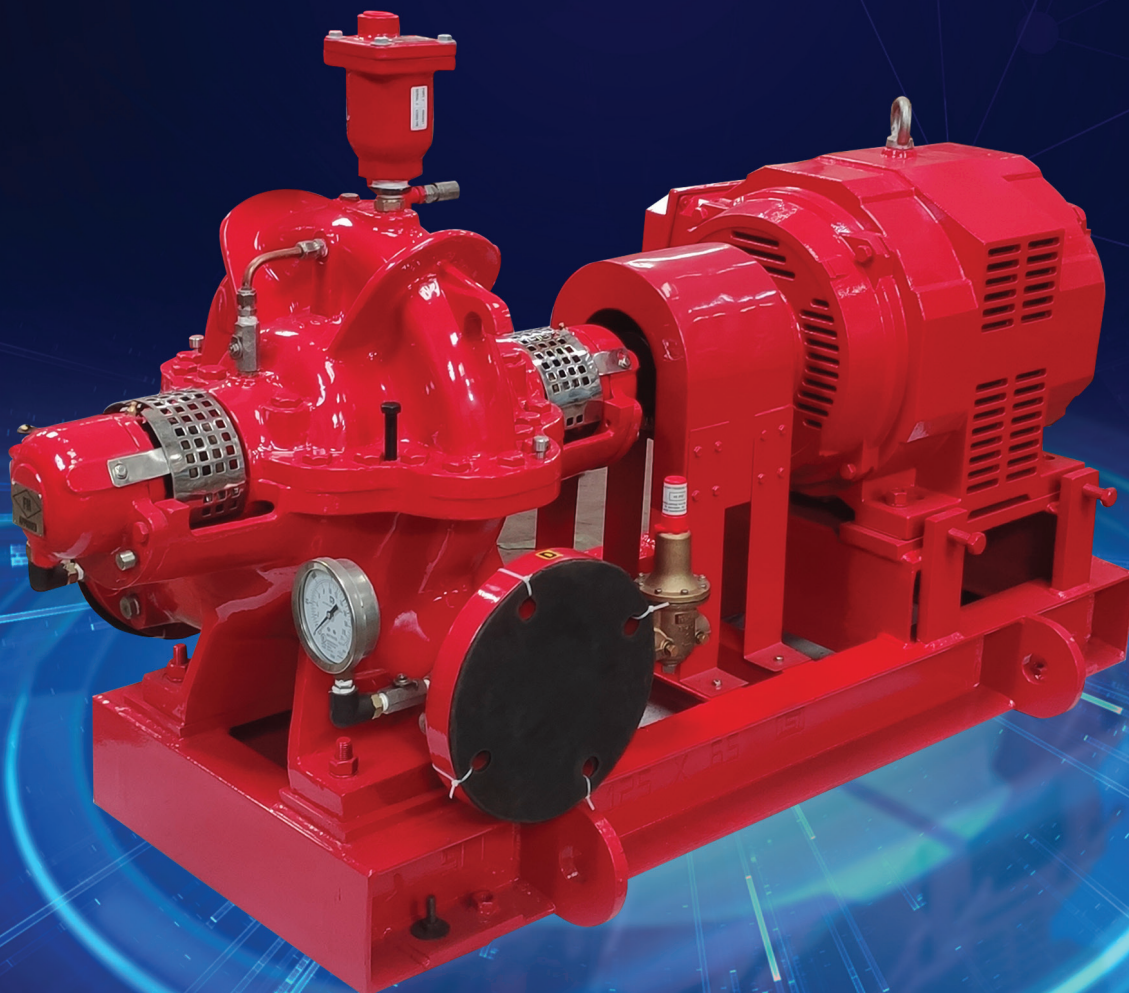


PUMPSENSE

STOCK FIRE-FIGHTING PUMPS

Ex-Stock Motor Driven Fire-fighting Pumpsets

- *Single Stage Fire-fighting Split-Case Pumps*
- *Driven by ABB Make Motor*
- *Conforming to NFPA-20*
- *Pump with Motor Assembled on a Base Frame*



PUMPSENSE FLUID ENGINEERING PVT. LTD

5/F, Hastings Court, Tower A, 96, Garden Reach Road, Kolkata - 700023



Stock Pump Details

List of Pumps in Stock

Model Designation	Rated Capacity Range (USGPM)	Rated Pressure Range (PSI)	Speed (RPM)	Size (in)	Motor Rating	Price (USD)	Delivery Period (FOB KOLKATA)	Scope of Supply
4HF12	750	106-169	2950	6x4	110	7200	4 Weeks	Bare Pump +110 kW Motor + Coupling + Couling Guard + Base Frame
4HF12L	300	116-180	2950	6x4	110	7250		
	400	111-175	2950		110			
	450	108-173	2950		110			
	500	105-171	2950		110			
4HF13	500	170-200	2950	6x4	110	7650		
	750	156-187	2950		110			
5HF11	1000	106-150	2950	6x5	110	7900		
6HF10	1000	85-116	2950	6x6	110	8150		
	1250	80-113	2950		110			

Motor Details

Rating (kW)	Type	Pole	Hz	Efficiency	Frame Size	Make
110	Horizontal Feet Mounted TEFC Motor	2	50	IE2	315SM	ABB

Materials of Construction

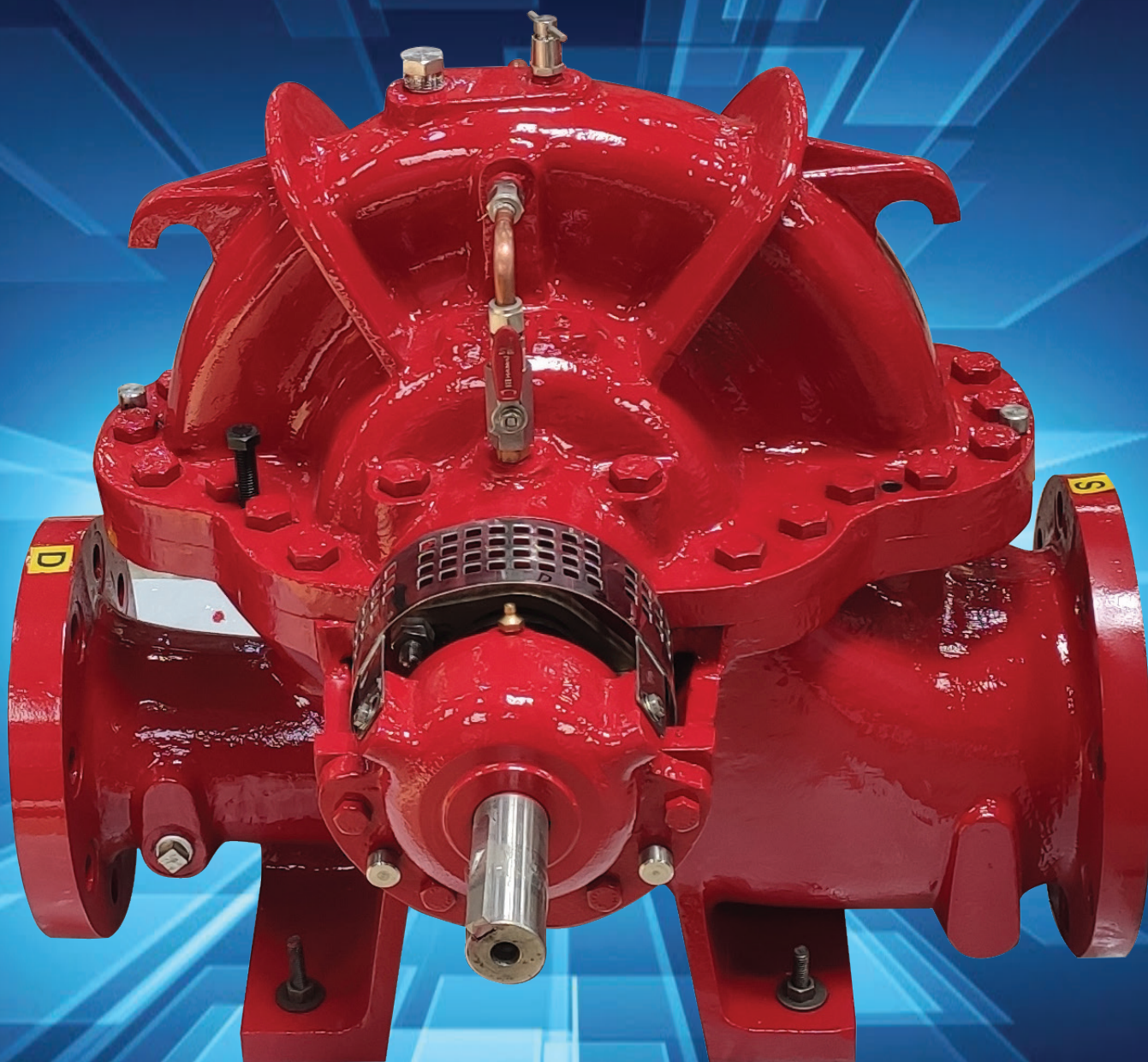
Casing	Impeller	Casing Wear Rings	Shaft	Shaft Sleeve & Nuts	Lantern Ring	Stuffing Box	Base Frame	Coupling
Cast Iron FG 260	Bronze LG2	Bronze LB2	AISI 410	Bronze CT1	Bronze LG2	Soft Packing	Mild Steel	Flexible Pin & Brush Coupling



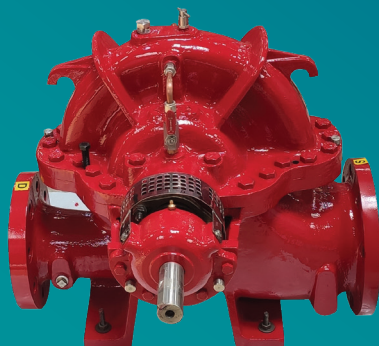


PUMPSENSE

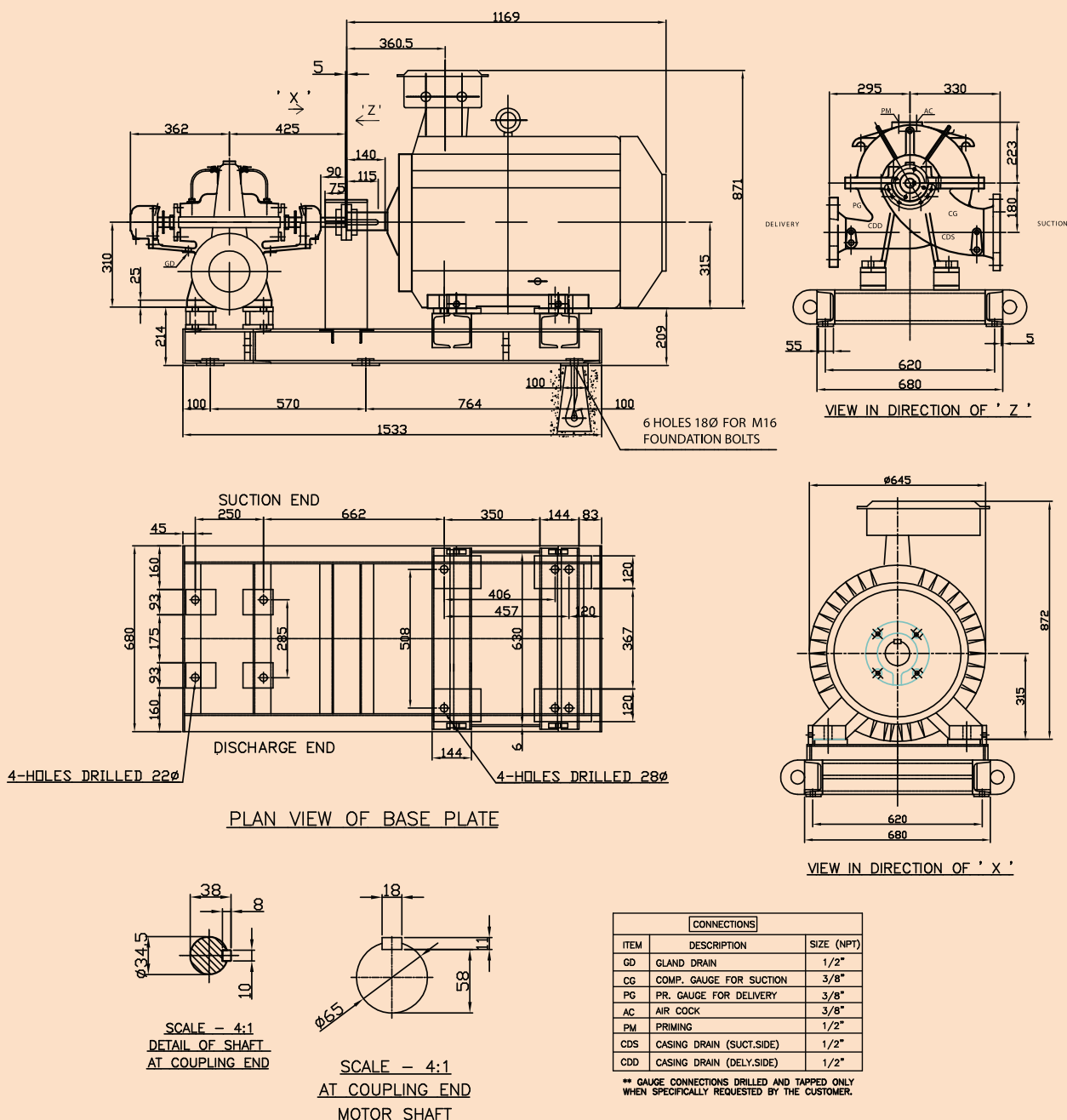
4HF12



4HF12



GENERAL ARRANGEMENT DRAWING FOR SINGLE STAGE AXIALLY SPLIT CASE PUMP WITH 110kW MOTOR MODEL- 4HF12



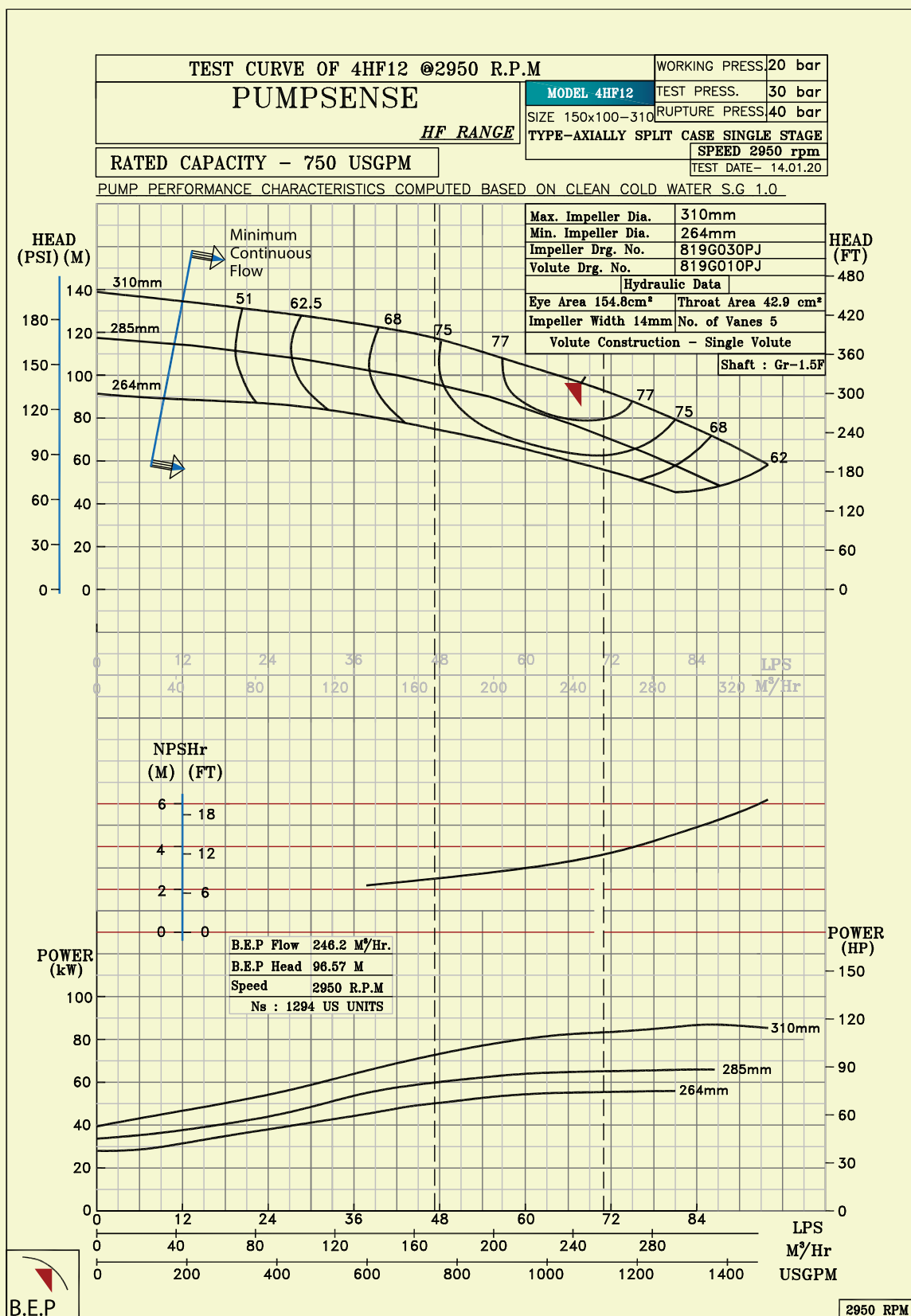
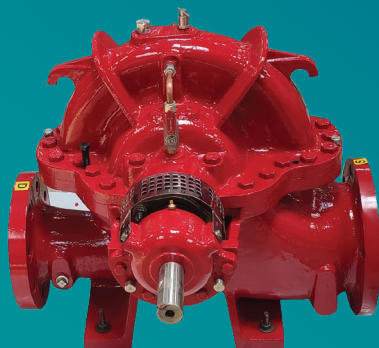
APPROXIMATE WEIGHTS IN Kgs.

PUMP	224
MOTOR	1150
BED PLATE	143
COUPLING & GAURD	20
TOTAL WEIGHT	1537

FLANGE TABLE

S	ANSI 125#FF	11"	9-1/2"	1"	8, #7/8"	—	—	—	—	—	—	—	—	—	—
D	ANSI 250#FF	—	—	—	—	—	—	—	—	—	—	—	—	—	—
REF. NO.	TYPE OF FLANGE	O.D.	P.C.D.	THK MIN	NO. OF HOLES	SIZE OF HOLE	RF	ØRF.FLANGE	THK	NO. OF HOLES	SIZE OF HOLE	RF	ØRF.FLANGE	THK	NO. OF HOLES
SUCTION - 150(6")										DELIVERY - 100(4")					

4HF12



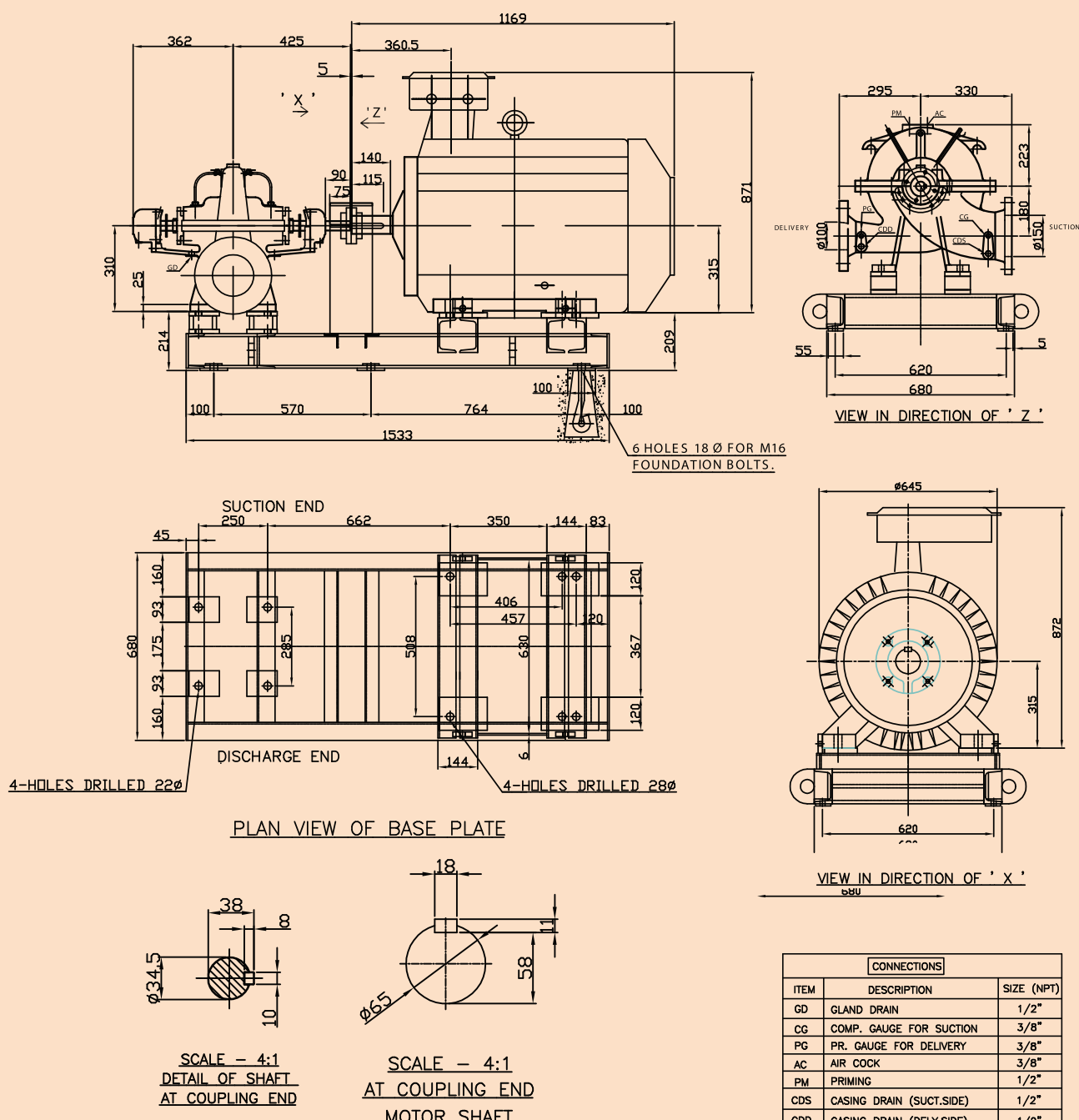


PUMPSENSE

4HF12L



GENERAL ARRANGEMENT DRAWING FOR SINGLE STAGE AXIALLY SPLIT CASE PUMP WITH 110kW MOTOR MODEL- 4HF12L

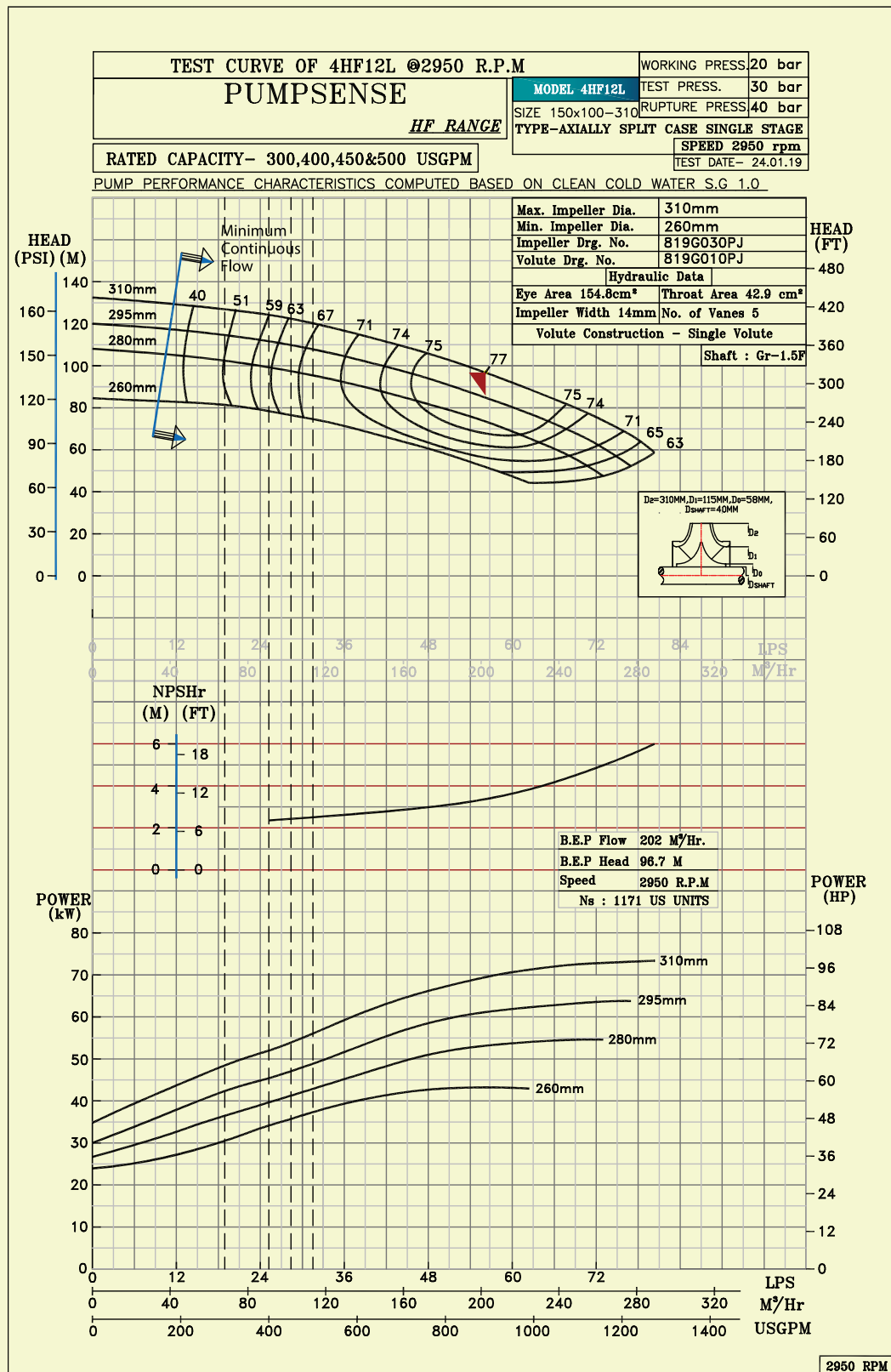


APPROXIMATE WEIGHTS IN Kgs.	
PUMP	224
MOTOR	1150
BED PLATE	143
COUPLING & GAURD	20
TOTAL WEIGHT	1537

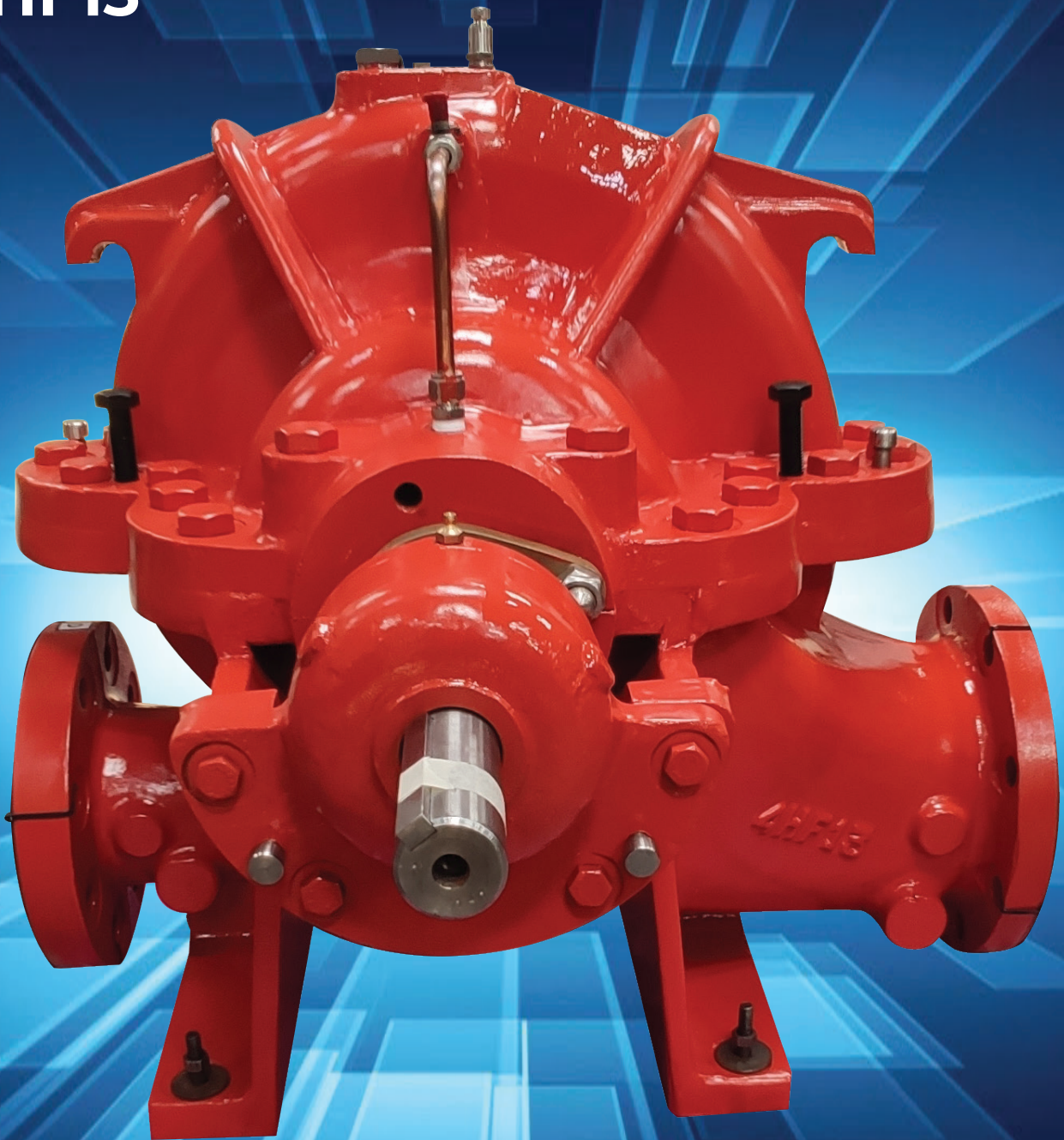
FLANGE TABLE		WHEN SPECIALLY REQUESTED BY THE CUSTOMER														
S	ANSI 125#FF	11"	9-1/2"	1"	8. 97/8"	—	—									
D	ANSI 250#FF							10"	7-7/8"	1-1/4"	8. 97/8"	—	—			
REF. NO.	TYPE OF FLANGE	O.D.	P.C.D.	THK MIN	NO. SIZE OF HOLE	RF	DRF	THK		O.D.	P.C.D.	THK MIN	NO. SIZE OF HOLE	RF	DRF	THK
		SUCTION - 150(6")							DELIVERY - 100(4")							

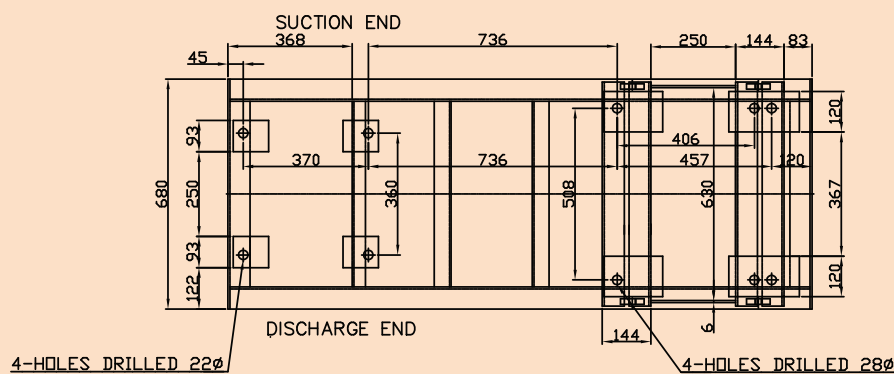
**** GAUGE CONNECTIONS DRILLED AND TAPPED ONLY WHEN SPECIFICALLY REQUESTED BY THE CUSTOMER.**

4HF12L



4HF13



[illegible]

Orthographic projection of a mechanical part showing a front view and a top view.

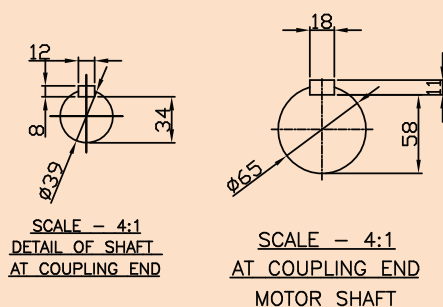
Front View (Top):

- Overall width: $\phi 645$
- Overall height: 315
- Central hole diameter: $\phi 100$
- Four small holes (diameter $\phi 20$) are located at the corners of a square with side length 100.

Top View (Bottom):

- Overall width: 680
- Overall height: 620
- Four small holes (diameter $\phi 20$) are located at the corners of a square with side length 100.

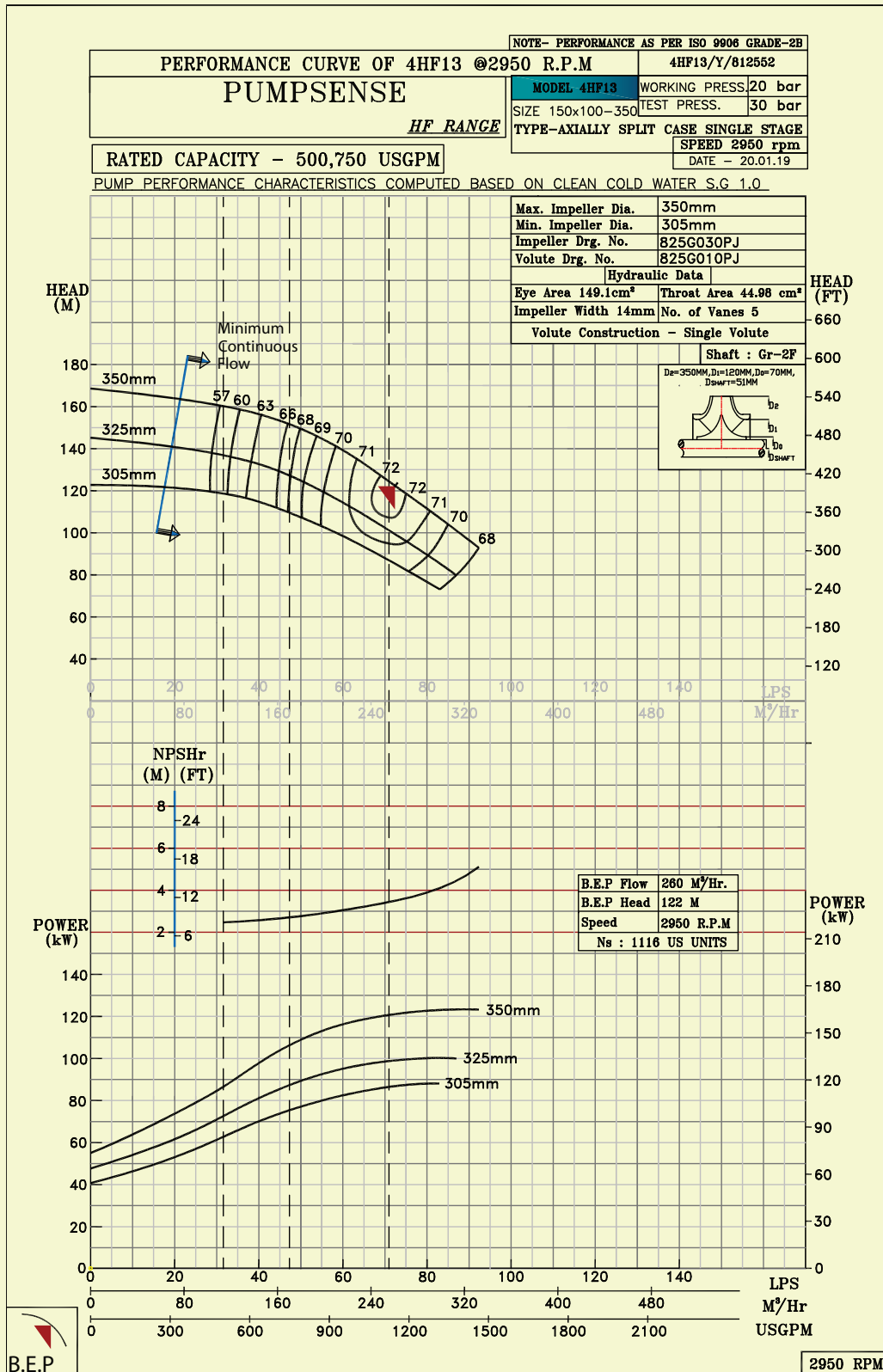
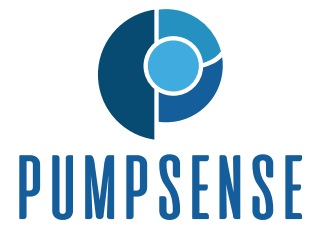
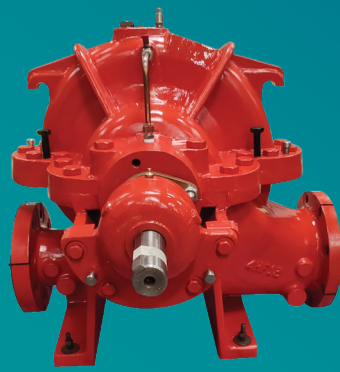
VIEW IN DIRECTION OF 'X'



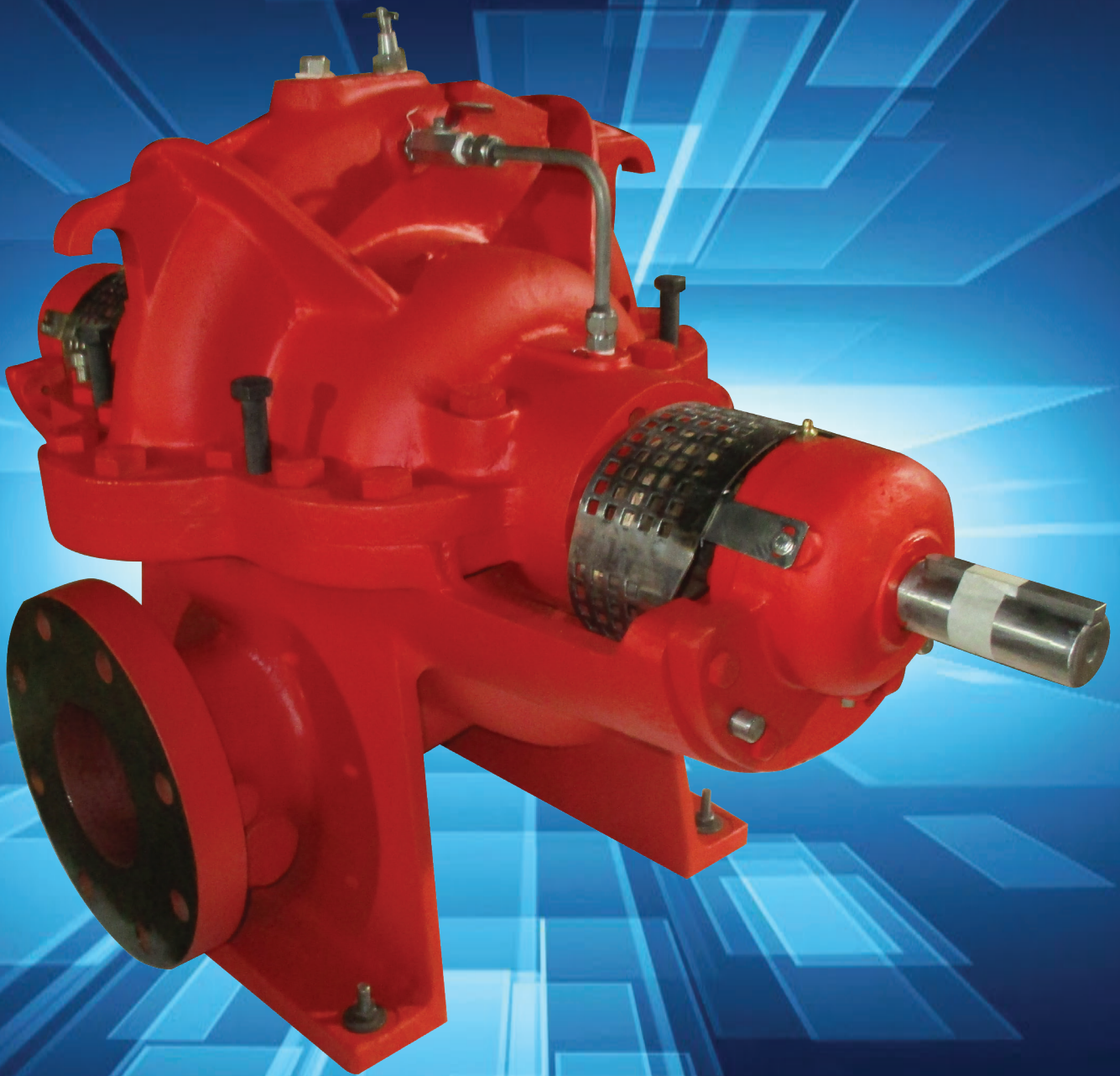
**** GAUGE CONNECTIONS DRILLED AND TAPPED ONLY WHEN SPECIFICALLY REQUESTED BY THE CUSTOMER.**

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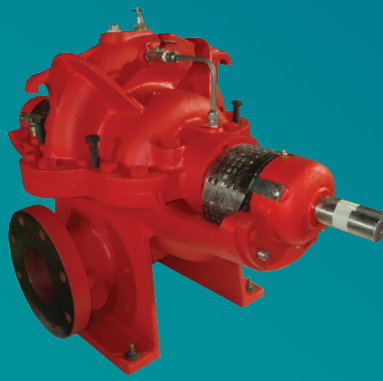
4HF13



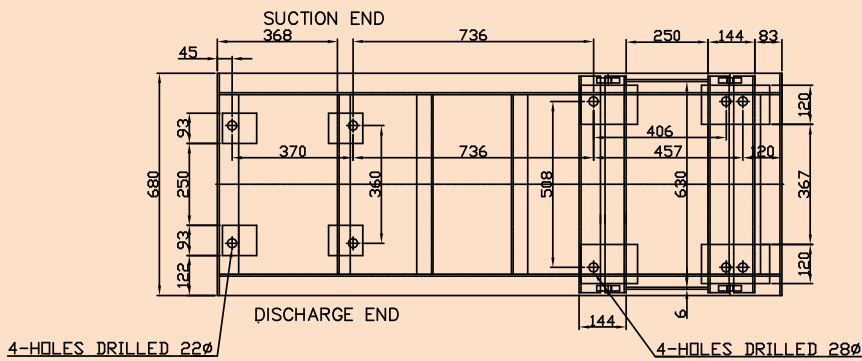
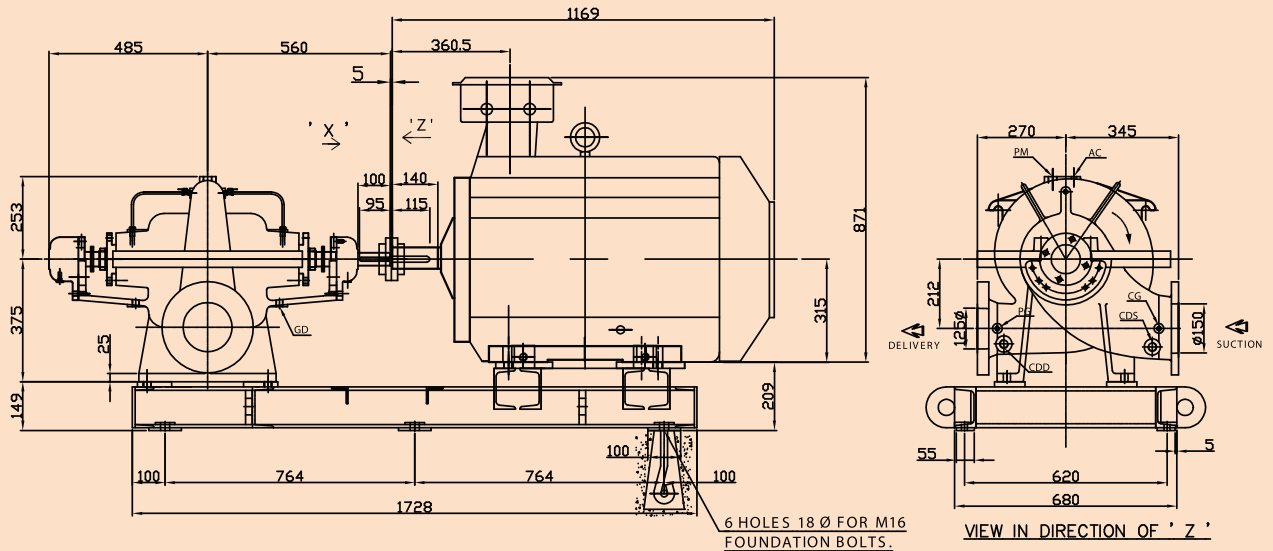
5HF11



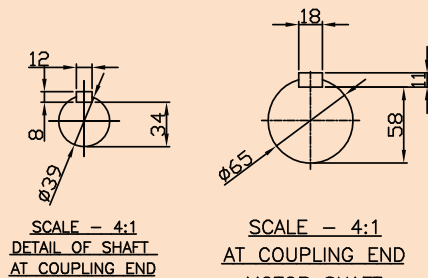
5HF11



GENERAL ARRANGEMENT DRAWING FOR SINGLE STAGE AXIALLY SPLIT CASE PUMP WITH 110kW MOTOR MODEL- 5HF11

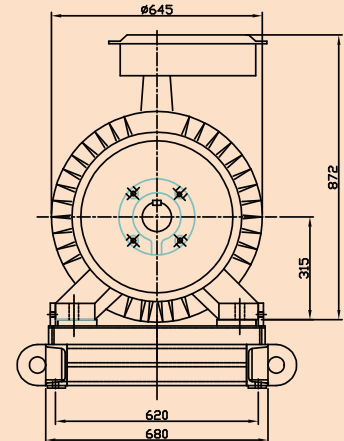


PLAN VIEW OF BASE PLATE



SCALE - 4:1
DETAIL OF SHAFT
AT COUPLING END

SCALE - 4:1
AT COUPLING END
MOTOR SHAFT



VIEW IN DIRECTION OF 'X'

CONNECTIONS		
ITEM	DESCRIPTION	SIZE(NPT)
GD	GLAND DRAIN	3/4"
CG	COMPOUND GAUGE FOR SUCTION	3/8"
PG	PRESSURE GAUGE FOR DELIVERY	3/8"
AC	AIR COCK	3/8"
PM	PRIMING	3/4"
CDS	CASING DRAIN(SUCTION SIDE)	3/4"
CDD	CASING DRAIN(DELIVERY SIDE)	3/4"

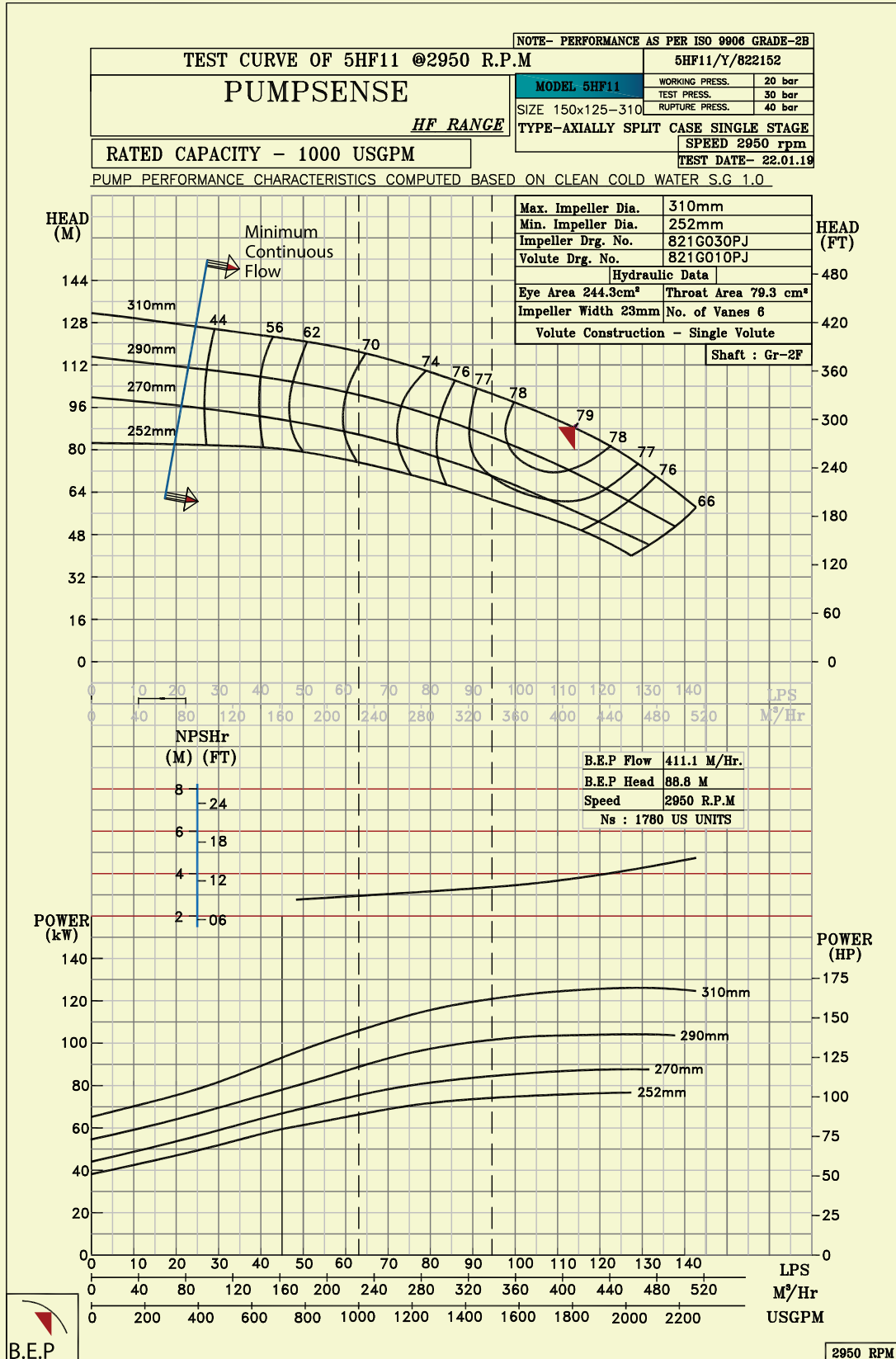
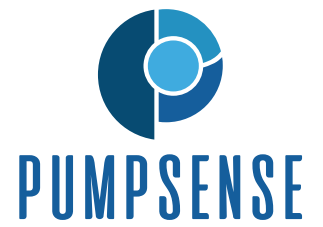
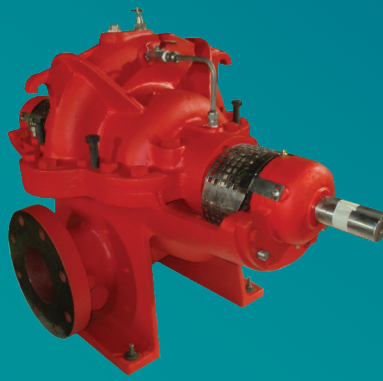
** GAUGE CONNECTIONS DRILLED AND TAPPED ONLY WHEN SPECIFICALLY REQUESTED BY THE CUSTOMER.

APPROXIMATE WEIGHTS IN Kgs.

PUMP	353
MOTOR	1150
BED PLATE	143
COUPLING & GAURD	20
TOTAL WEIGHT	1666

S	ANSI 125# FF	11"	9-1/2"	1"	8, 7/8"	---	---	---	---	---	---	---	---	---	---
D	ANSI 250# FF	---	---	---	---	---	---	11"	9-1/4"	1-3/8"	8, 7/8"	---	---	---	---
REF. NO.	TYPE OF FLANGE.	O.D.	P.C.D.	THK MIN	NO SIZE OF HOLE	RFØ R.F. FLANGE	RF THK R.F. FLANGE	O.D.	P.C.D.	THK MIN	NO SIZE OF HOLE	RFØ R.F. FLANGE	RF THK R.F. FLANGE	O.D.	P.C.D.
SUCTION~ 150Ø (6")								DELIVERY~ 125Ø (5")							

5HF11



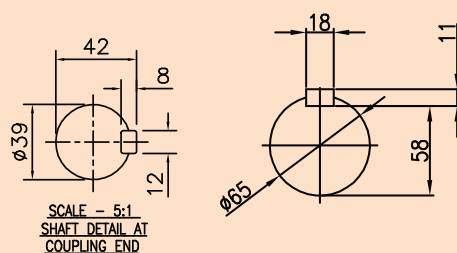
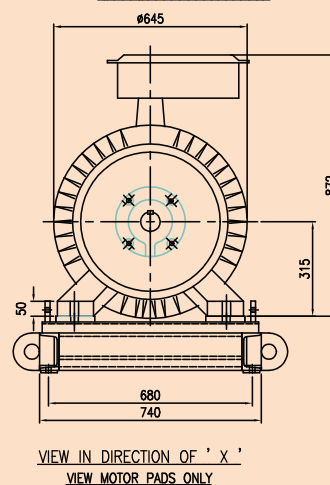
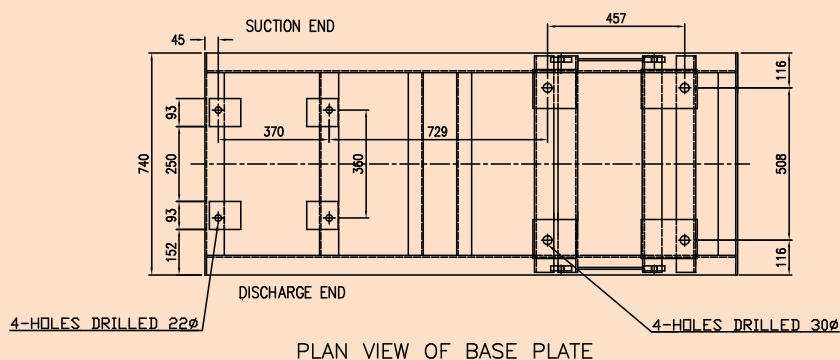
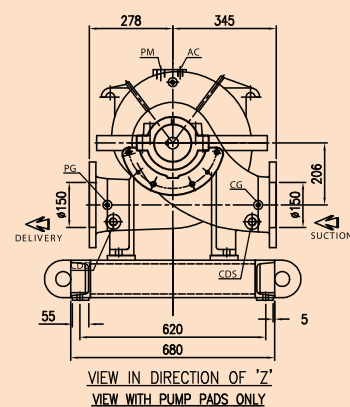
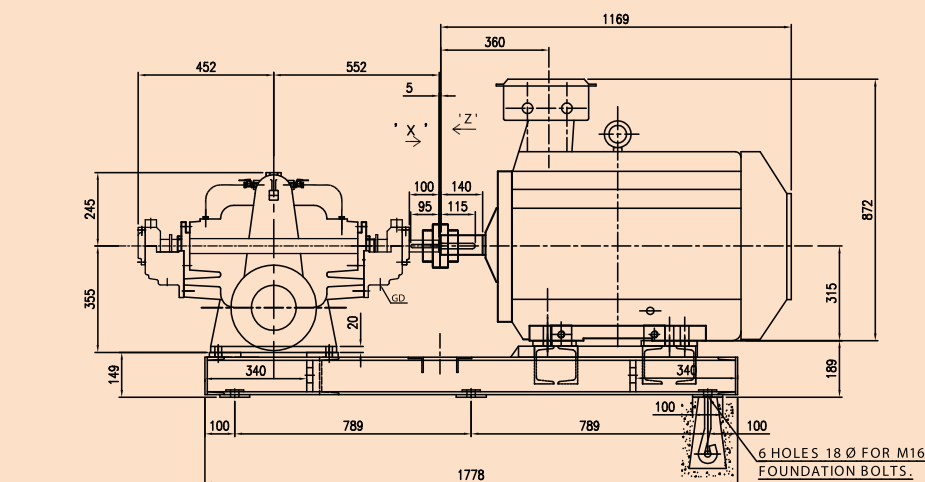
6HF10



6HF10



GENERAL ARRANGEMENT DRAWING FOR SINGLE STAGE AXIALLY SPLIT CASE PUMP WITH 110kW MOTOR MODEL- 6HF10



SCALE - 4:1
AT COUPLING END
MOTOR SHAFT

APPROXIMATE WEIGHTS IN Kgs.

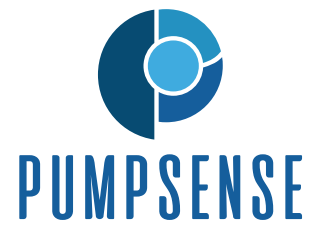
PUMP	334
MOTOR	875
BED PLATE	155
COUPLING & GAURD	20
TOTAL WEIGHT	1384

CONNECTIONS		
ITEM	DESCRIPTION	SIZE(NPT)
GD	GLAND DRAIN	1/2"
CG	COMPOUND GAUGE FOR SUCTION	3/8"
PG	PRESSURE GAUGE FOR DELIVERY	3/8"
AC	AIR COCK	3/8"
PM	PRIMING	3/4"
CDS	CASING DRAIN(SUCTION SIDE)	3/4"
CDI	CASING DRAIN(DELIVERY SIDE)	3/4"

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

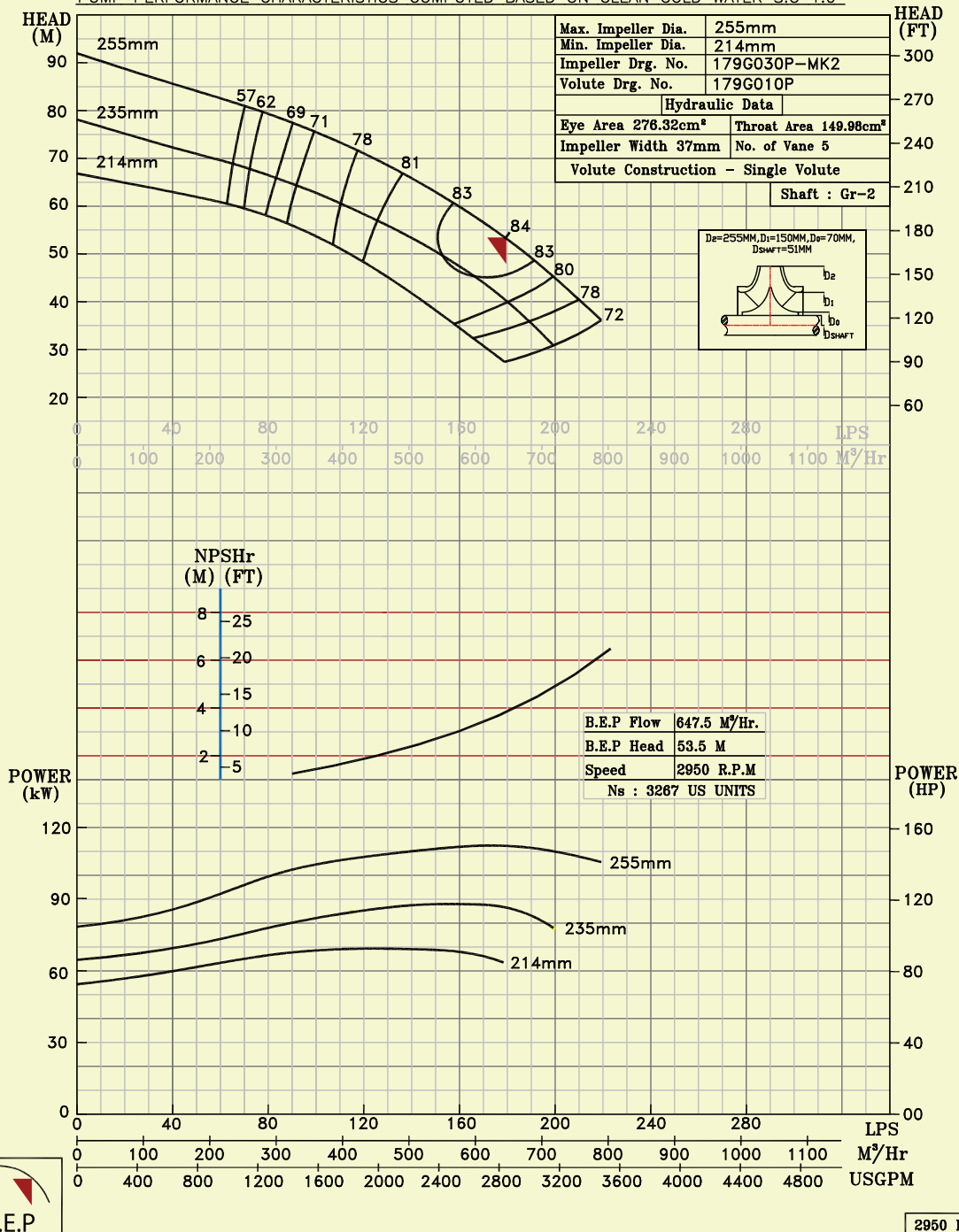
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6HF10

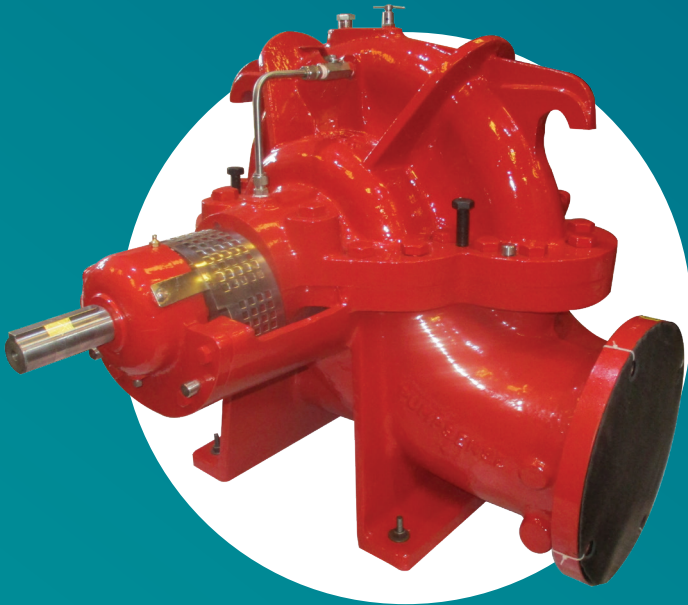


PERFORMANCE CURVE OF 6HF10 @2950 R.P.M	
PUMPSENSE	
HF RANGE	
NOTE- PERFORMANCE AS PER ISO 9906 GRADE-2B	6HF10/Y/117952
MODEL 6HF10	WORKING PRESS. 20 bar
SIZE 80x40-255	TEST PRESS. 30 bar
TYPE-AXIALLY SPLIT CASE SINGLE STAGE	
SPEED 2950 rpm	
TEST DATE- 28.07.21	

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



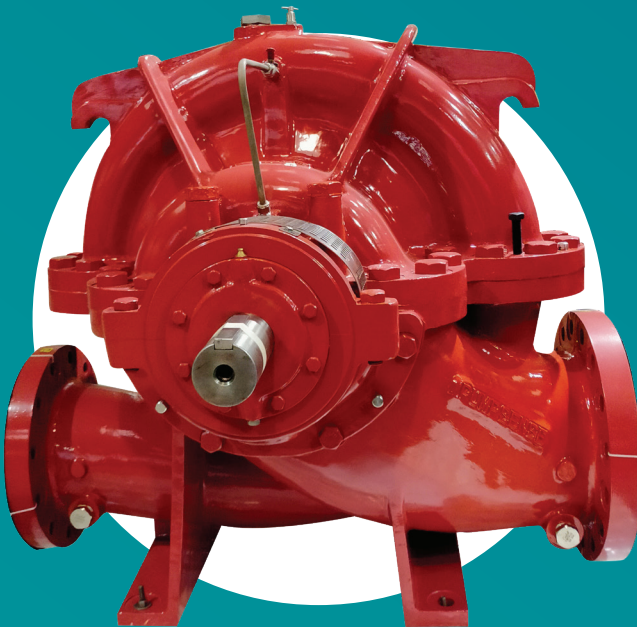
Other Products



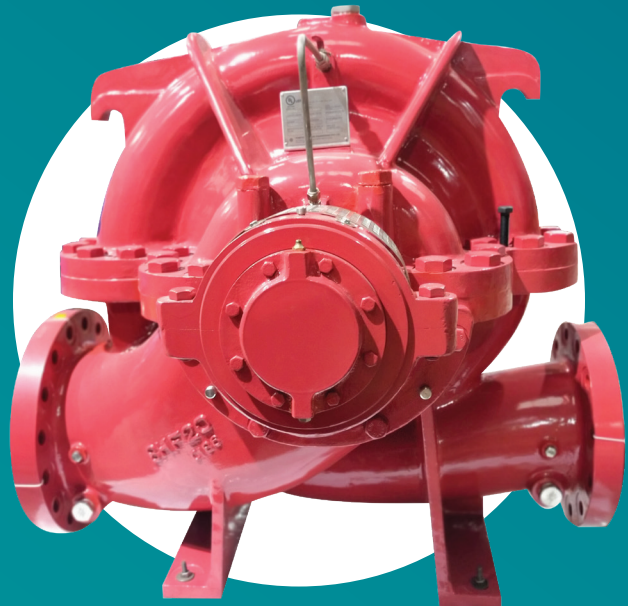
6HF14K



8HF15



6HF20



8HF20

PUMPSENSE FLUID ENGINEERING PVT. LTD

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