

PERFORMANCE CURVE OF 8HF24 @1500 R.P.M



HF RANGE

MODEL 8HF24

SIZE 250x200-610



TYPE-AXIALLY SPLIT CASE SINGLE STAGE

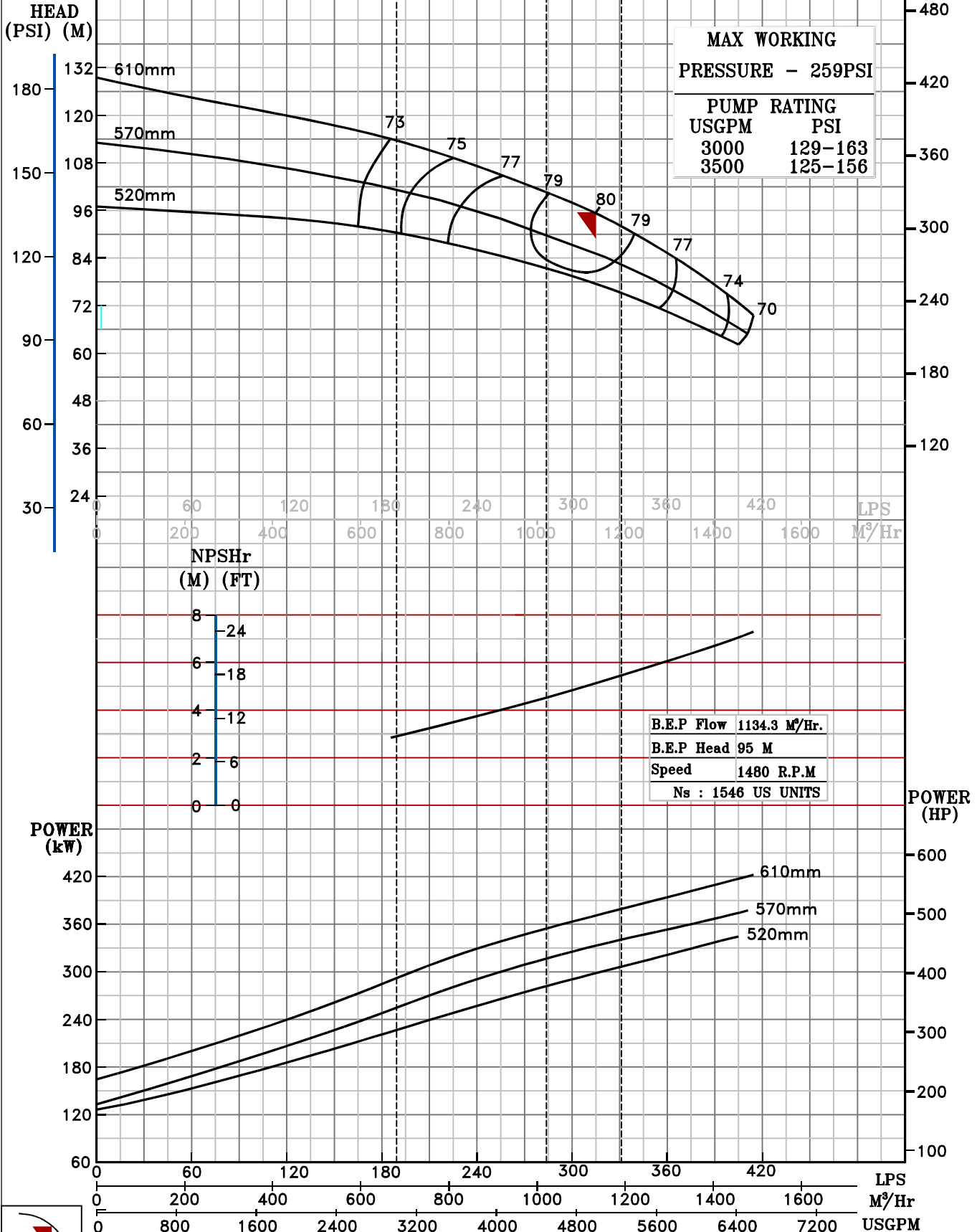
SPEED 1500 rpm

RATED CAPACITY - 3000,3500 USGPM

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

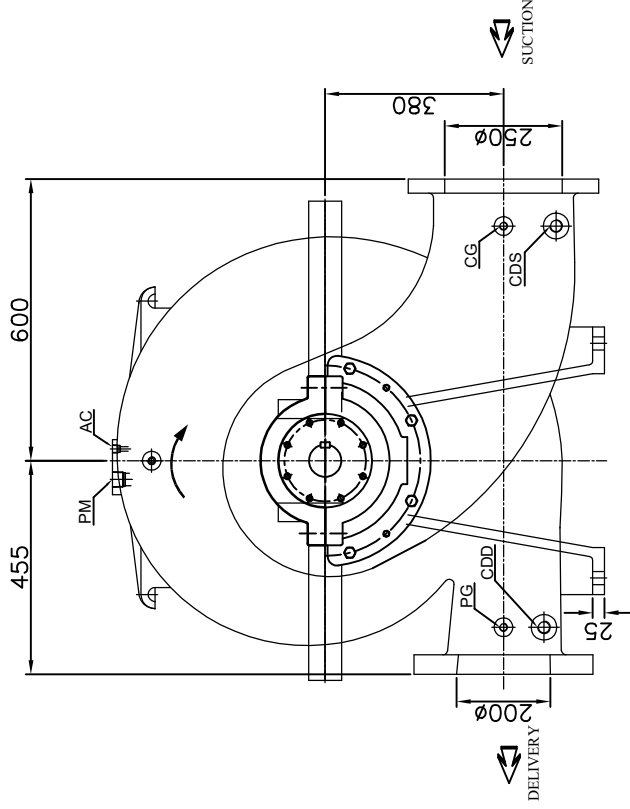
Curve No.	8035L	Max. Impeller Dia.	610mm
Impeller No.	835G030P	Min. Impeller Dia.	520mm

Shaft Gr.- 4F



1500 RPM

GENERAL ARRANGEMENT DRAWING FOR SINGLE STAGE AXIALLY SPLIT CASE PUMP MODEL – 8HF24

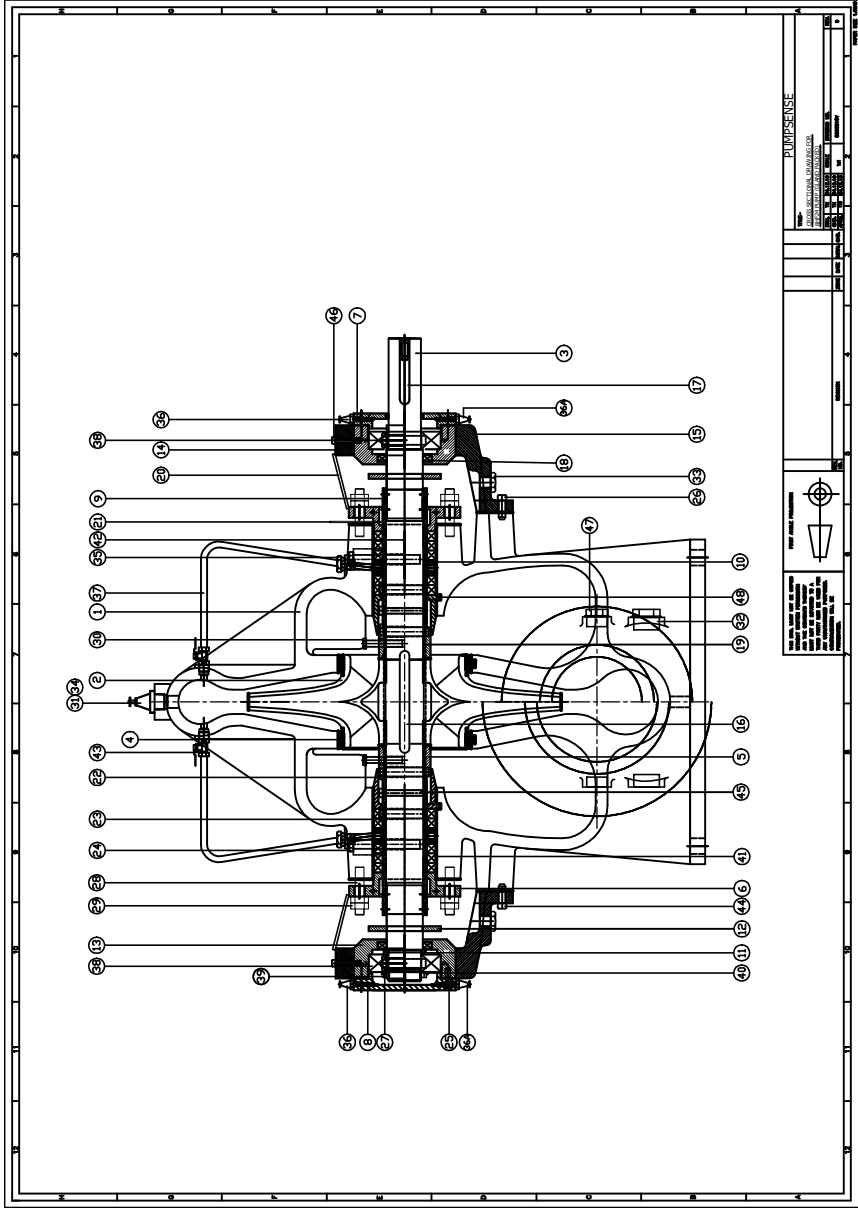


VIEW IN DIRECTION OF 'Z'

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

JOB NO. -	
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SL. NO.	PART. NO.	NAME OF PARTS	DESCRIPTION	QTY	MATERIALS
1	8351831M	CASING	-	1 SET	CI FG 260 BS 1452
2	8351020M	IMPELLER	-	1	BRONZE LG2 BS 1400
3	8351013	SHAFT	-	1	ALSI 410
4	8351290	CASING WEAR RING	-	2	BRONZE LB2 BS 1400
5	8351502	SHAFT SLEEVE	-	2	BRONZE CT1 BS 1400 / ALSI 316
6	8351441	SPLIT GLAND	-	2	BRONZE LG2 BS 1400
7	8351341	BEARING END COVER (PE)	-	1	CI FG 260 BS 1452
8	8351332	BEARING END COVER (FE)	-	1	CI FG 260 BS 1452
9	8351461	SLEEVE NUT(L.H. & R.H.)	-	2+2	BRONZE CT1 BS 1400 / ALSI 316
10	8351492	LANTERN RING	-	2	BRONZE LG2 BS 1400
11	8351250	THRUST COLLAR	-	1	ALSI 304
12	83501451	WATER THROWER	-	2	NEOPRENE
13	8352565 / 8352705	BEARING HOUSING	-	2	CI FG 260 BS 1452
14	8352552	BRACKET TOP CLAMP	-	2	CI FG260 BS 1452
15	8352541 / 8352711	BEARING BRACKET	-	2	CI FG 260 BS 1452
16	8351801	IMPELLER KEY	-	1	ALSI 410
17	8351380	COUPLING KEY	-	1	ALSI 410
18	-	OIL SEAL (BEARING HOUSING) TYPE B	75X95X10	2	NITRILE
19	-	O-RING FOR SLEEVE	CS Ø2.5 - ID 97.8	2	VITON
20	-	SHAFT GUARD	-	2	ALSI 304
21	-	NAME PLATE SUPPORT	M24X75	1	ALUMINIUM
22	-	HEX HEAD SCREW	M24X65	24	HTS
23	-	HEX HEAD SCREW	M24X125	8	HTS
24	-	HEX HEAD SCREW	M10X30 + M10X35	4	HTS
25	-	HEX HEAD SCREW	M20X40	8+8	HTS
26	-	HEX HEAD SCREW	M20X80	4+4	HTS
27	-	HEX HEAD SCREW	M20X90	4	HTS
28	-	STUD	M20	4	ALSI 316
29	-	NUT	M16X60	4+4	ALSI 316
30	-	HEX HEAD SCREW	1-1/2" NPT	4	HTS
31	-	PLUG	1" NPT	1	ALSI 304
32	-	PLUG	1" NPT	2	ALSI 304
33	-	PLUG	3/8" NPT	2	ALSI 304
34	-	AIR COCK	3/8" NPT	1	ALSI 304
35	-	OLIVE JOINT	3/8" NPT	2 SET (4 Nos)	ALSI 304
36	-	GREASE NIPPLE	1/4" NPT	2	ALSI 304
37	-	GREASE PLUG	1/4" NPT	2	ALSI 304
38	-	SEAL FLUSHING LINE	SUITABLE FOR 3/8"NPT	1 MTR	ALSI 304
39	-	BEARING	6314	2	SKF (C3 type clearance)
40	-	LOCK NUT (RH)	KM 14	1	SKF
41	-	LOCK WASHER	MB 14	1	SKF
42	-	GLAND PACKING	16X16 MM SQ	10 RINGS	Soft Packing Style R4804
43	-	GASKET	-	1	Vegetable fibre
44	-	BALL VALVE	-	1 SET (2 No)	Stainless Steel
45	-	DOWEL PIN (BEARING BRACKET)	12x40	4	ALSI 304
46	-	DOWEL PIN (CASING)	12x75	2	ALSI 304
47	-	LOCK PIN FOR BRG. TOP CLAMP	8x50	2	ALSI 304
48	8232600	PLUG	3/8"NPT	2	ALSI 304
49	-	STUFFING BOX BUSH	-	2	BRONZE LB2 BS 1400
		NAME PLATE	100 X 80 - 0.5 mm Plate Thickness	1	SS 304

Datasheet For : 8HF24			
	PARAMETERS	UNIT	VALUE
RATED DUTY	Capacity	M³/Hr	1134
	Total Head	Mt	96
	Speed	RPM	1500
	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.		8HF24
	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	610
	Impeller Diameter Min	mm	520
	Rotation		CW
PERFORMANCE DETAILS AS RATED DUTY	Efficiency	%	80
	Rated Speed	RPM	1500
	NPSHr	Mt	5.1
	Power Absorbed	kW	371
	Recommended Driver Power	kW	426
	Driver Details		4 Pole, 50 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
	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 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