

# PERFORMANCE CURVE OF 8HSTD26 @1480 R.P.M



*HST RANGE*

NOTE- PERFORMANCE AS PER ISO 9906 GRADE-2B

8HSTD26/X/302154

MODEL 8HSTD26

WORKING PRESS. 35 bar

SIZE 250x200-662

TEST PRESS. 52.5 bar

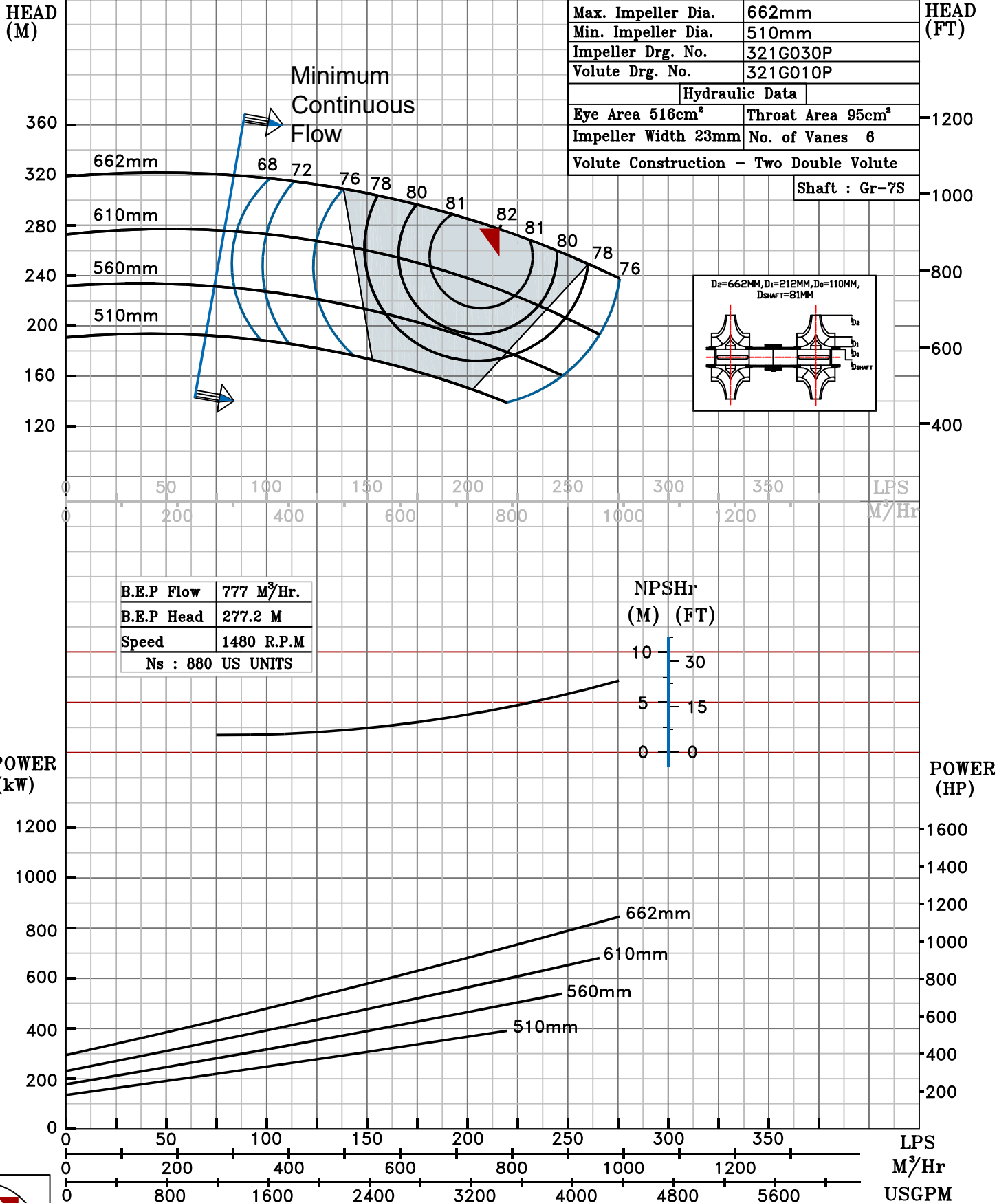
TYPE-AXIALLY SPLIT CASE TWO STAGE

SPEED 1480 rpm

SHADED REGION ON THE H-Q CURVE REPRESENTS OPTIMUM SELECTION ZONE

DATE - 04.10.23

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





# PERFORMANCE CURVE OF 8HSTD26 @1780 R.P.M

## PUMPSENSE

*HST RANGE*

NOTE- PERFORMANCE AS PER ISO 9906 GRADE-2B

8HSTD26/X/302164

MODEL 8HSTD26

WORKING PRESS. 50 bar

SIZE 250x200-662

TEST PRESS. 75 bar

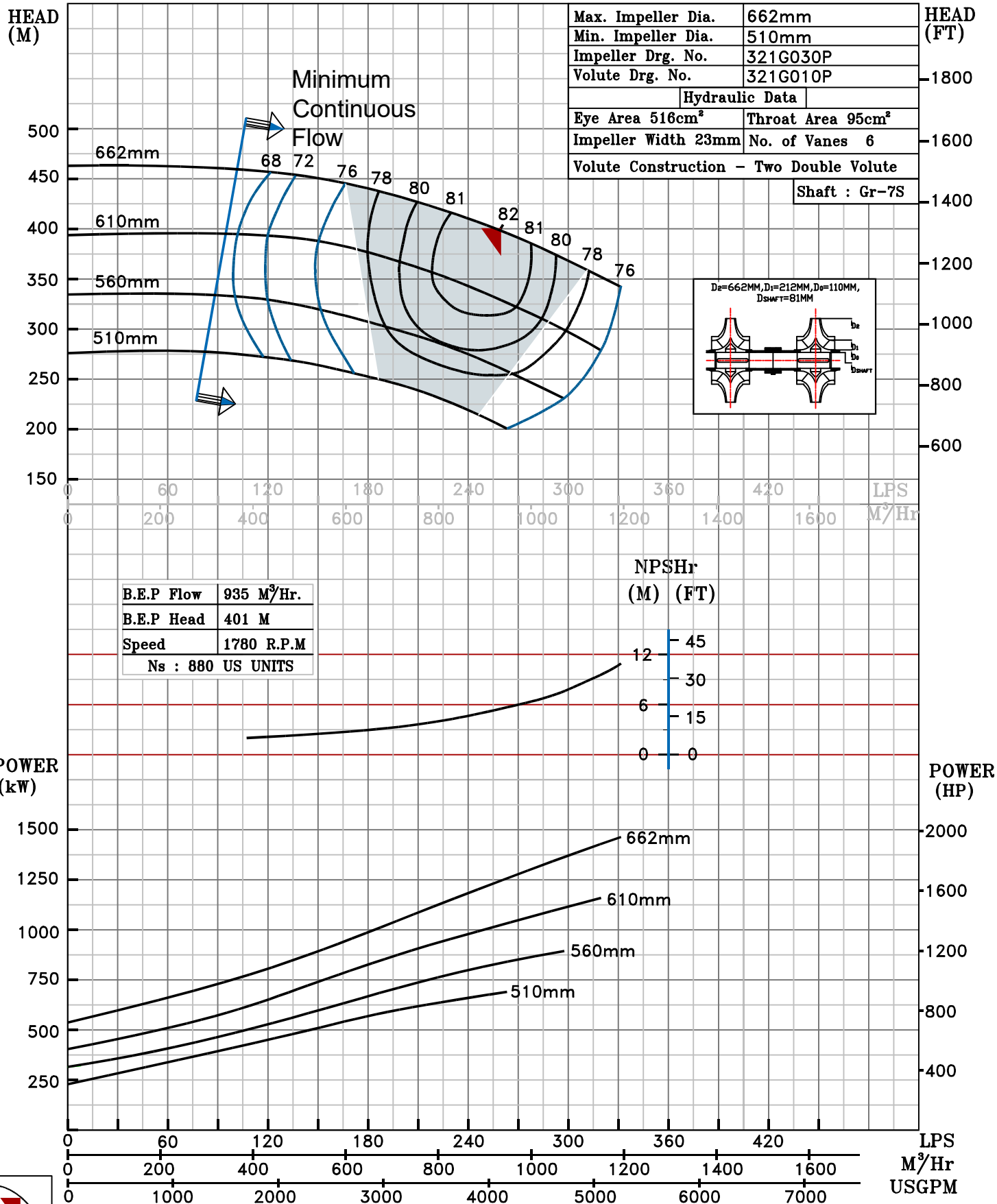
TYPE-AXIALLY SPLIT CASE TWO STAGE

SPEED 1780 rpm

SHADED REGION ON THE H-Q CURVE REPRESENTS OPTIMUM SELECTION ZONE

DATE - 31.10.22

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





# PUMPSense FLUID ENGINEERING PVT LTD

Datasheet For: 8HSTD26

	PARAMETERS	UNIT	VALUE
RATED DUTY	Capacity	M <sup>3</sup> /hr	935.0
	Total Head	Mt	401.0
	Speed	RPM	1780
	Type of Pump		Horizontal Two Stage Pump
	Liquid		Clear Water
	Specific Gravity		1
	Temperature	°C	32
	Driver		Diesel Engine
	No. Off		1
PUMP DETAILS	Make		PUMPSense
	Model No.		8HSTD26
	Stages		Two Stage
	Cross Over Design		External Cross Over Design
	Discharge	mm	200
	Flange Rating Discharge		PN 63 - BS EN 1092-2
	Suction	mm	250
	Suction Flange Rating		PN 63 - BS EN 1092-2
	Type of Casing		Double Volute
	Type of Impeller		Two Shrouded Double Entry
	Impeller Diameter Max	mm	662
	Impeller Diameter Min	mm	510
	Rotation		CW
PERFORMANCE DETAILS AS RATED DUTY	Efficiency	%	82
	Rated Speed	RPM	1780
	NPSHr	Mt	5
	Power Absorbed	kW	1245.9
	Recommended Driver Power	kW	1495
	Driver Details		Diesel Engine @ 1800 RPM
	Closed Valve Head (Approx.)	Mt	464
	Head Rise to Shut-Off Head	%	16
	Working Pressure	Bar	50
	Test Pressure	Bar	75
MECHANICAL DATA	Bare Pump Weight	kg	3050
	Shaft dia. at coupling	mm	94
	N.D.E. Bearing		2 X SKF BECBP 7319
	D.E. Bearing		1 X SKF 6319
	Packing Size		20 x 20 - Soft Packing
MATERIALS OF CONSTRUCTION	Casing		Ductile Iron GGG 50
	External Cross Over		Ductile Iron GGG 50
	Impeller		ASTM A743 Gr CF 8M
	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
	Inter Stage Bush		Bronze SAE 660 ASTM B505
	Inter Stage Collar		ASTM A 276 Type 316
	Bearing Bracket		Cast Iron CI FG 260
	Split Gland		Leaded Gunmetal BS 1400 LG2
	Lantern Ring		Leaded Gunmetal BS 1400 LG2
	Stuffing Box		Gland Packed Fitted
	Packing		CARRARA Make Soft Packing Style R 4804
	Fastners		HTS GR. 10.9