

TM.P. S.p.A. Termomeccanica Pompe

CENTRIFUGAL PUMP - DATA SHEET

PUMP PERFORMANCES

FLOWRATE	m ³ / h	min	RTD	max	MIN CONT. FLOW	m ³ /h	63,0	SHUT OFF HEAD	m	79,0
T.D.H.	m				P D ²	kg m ²	6			
EFFICIENCY	%				ROTATION	D.E.	CCW	<input type="checkbox"/>	CW	<input type="checkbox"/>
INPUT POWER	kW				OPERATING CONDITIONS					
SPEED RATING	RPM				FLUID :					Sea water
NPSHA available	m				DENSITY	kg / m ³				1032,0
NPSH3 req. 3%	m				TEMPERATURE °C	min / RTD / max				25,0
REFERENCE LEVEL					INSTALLATION :		OUTDOOR	<input checked="" type="checkbox"/>	INDOOR	<input type="checkbox"/>
					SITE :		DUSTY	<input type="checkbox"/>	MARINE	<input checked="" type="checkbox"/>

CONSTRUCTION CHARACTERISTICS

Construction				Casing				
HORIZONTAL	<input type="checkbox"/>	BARREL	<input type="checkbox"/>	MOUNTING:	FOOT	<input type="checkbox"/>	BRACKET	<input type="checkbox"/>
VERTICAL	<input checked="" type="checkbox"/>				CENTERLINE	<input type="checkbox"/>	VERTICAL	<input checked="" type="checkbox"/>
PULL OUT	<input type="checkbox"/>	CANNED	<input type="checkbox"/>	SPLIT:	AXIAL	<input type="checkbox"/>	RADIAL	<input checked="" type="checkbox"/>
NOISE of PUMP and MOTOR				VOLUTE:	SINGLE	<input type="checkbox"/>	DOUBLE	<input type="checkbox"/>
					DIFFUSER	<input checked="" type="checkbox"/>		
MAX ALLOWABLE WORKING PRESSURE	8,8	bar	at	50,0	°C	HYDR. PRESSURE @ ambient T.	13,5	bar
Impeller Stage		N°	3 (three)					
CONFIGURATION	ONE-WAY	<input checked="" type="checkbox"/>	OPPOSED	<input type="checkbox"/>	Wear Rings			
TYPE :	SEMIOPEN	<input type="checkbox"/>	CLOSED	<input checked="" type="checkbox"/>	SUCTION SIDE	<input checked="" type="checkbox"/>	DELIVERY SIDE	<input type="checkbox"/>
ENTRY :	SINGLE	<input checked="" type="checkbox"/>	DOUBLE	<input type="checkbox"/>	CASING	<input checked="" type="checkbox"/>	IMPELLER	<input type="checkbox"/>
MOUNTING:	BETWEEN BEARINGS		<input checked="" type="checkbox"/>	Seal				
	OVERHUNG		<input type="checkbox"/>	PACKING TYPE:	<input checked="" type="checkbox"/>			
Ø IMPELLER	PROPOSED		237 - 237					
FLANGES		SIZE	SERIES	FINISHING	MOUNTING	COUNTERFLANGES		
	SUCTION	--	--	--	--	SUCTION	<input type="checkbox"/>	
	DISCHARGE	DN 150	PN 25	RF	SIDE	DISCHARGE	<input type="checkbox"/>	
BEARINGS	THRUST	ROLLING	<input checked="" type="checkbox"/>	TILTING PADS	<input type="checkbox"/>	ON MOTOR	<input type="checkbox"/>	
		GREASE LUBR.	<input type="checkbox"/>	OIL BATH LUB.	<input checked="" type="checkbox"/>	FORCED OIL LUB.	<input type="checkbox"/>	
	GUIDE	ROLLING	<input type="checkbox"/>	SLEEVE	<input checked="" type="checkbox"/>	PUMPED FLUID LUB.	<input checked="" type="checkbox"/>	
		GREASE LUB.	<input type="checkbox"/>	OIL BATH LUB.	<input type="checkbox"/>	FORCED OIL LUB.	<input type="checkbox"/>	
COUPLING	TYPE :	flexible		MODEL		GUARD	<input type="checkbox"/>	

MATERIALS

CASING	A890 Gr. 5A
SUCTION BELL	A890 Gr. 5A
IMPELLER	A890 Gr. 5A
CASING WEAR RINGS	UNS S32750
SHAFT	UNS S32750
SLEEVE	UNS S32750
DISCHARGE COLUMN	UNS S32750
DISCHARGE HEAD	A890 Gr. 5A
MOTOR STOOL	A536 Gr. 65-45-12

AUXILIARY CIRCUITS

STUFFING BOX COOLING	<input type="checkbox"/>	YES	<input checked="" type="checkbox"/>	NO
HYDRAULIC SEAL	<input type="checkbox"/>	YES	<input checked="" type="checkbox"/>	NO
BEARING COOLING	<input type="checkbox"/>	YES	<input checked="" type="checkbox"/>	NO
SEAL INJECTION	<input type="checkbox"/>	YES	<input checked="" type="checkbox"/>	NO
DRIVER	TM.P.	<input checked="" type="checkbox"/>	CUSTOMER	<input type="checkbox"/>
ELECTRIC MOTOR :				
KW	45		RPM	1782
PHASE	3		CYCLES	60
SHAPE	vertical		VOLTS	480
PROTECTION	IP 55			
DIESEL ENGINE:	kW		RPM	
TURBINE:	kW		RPM	

TESTS

	SHOP		WITNESSED	
PERFORMANCE	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	
NPSH	<input type="checkbox"/>		<input type="checkbox"/>	
HYD. PRESS.	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
NOISE LEVEL	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
VIBRATIONS	<input checked="" type="checkbox"/>		<input type="checkbox"/>	

DRAWINGS

OUTLINE DWG.	GA01510001rev.00
SECTIONAL DWG	
PERFORM. CURVE	DP01510001rev. 00
INSTRUM. P&ID	
QUALITY CONTR. PLAN	

WEIGHTS [kg] approx.

PUMP	450
DRIVER	330
TOTAL	780

NOTES :	

CUSTOMER :	PLANT :	PUMP TYPE :	DATA SHEET N°
GEMS	Al Jubail	CPP 150.3	720003400-JSWC-MD-013 Wash water Pump
SERVICE :	ITEM / Q.TY	REV.	
Wash water	001 / 3	00	
DATE:	SIGNATURE	PROPOSAL N°	FILE
04/02/2022	A. Brondi - DS	01510	DS 01510001_00 - DATA SHE