

CENTRIFUGAL PUMP DATA SHEET

MODIFIED STARCH DRYING PROJECT – AGRANA – ROMANIA

REVISION:	DATE:	SPECIFIED BY:	CHECKED BY:	APPROVED BY:	PUMP TAG NO.:	P6515	JOB NO.:	5204
0	05.05.2026	A.H.	P.S.	A.Z.	PUMP SERVICE:	AIR HEATER CONDENSATE PUMP	DOCUMENT NO.:	5204-ME-DS-P6515-00
					PUMP QT'Y:	1	P&ID NO.:	5204-PR-DW-0001-03
VENDOR						SHEET 1 OF 1		
OPERATING CONDITIONS						PERFORMANCE DATA		
LIQUID		Steam Condensate		FLOW @P,T (NORMAL)		m ³ /hr	PROPOSAL CURVE NO.	
				FLOW @P,T (RATED)		m ³ /hr	SUCTION SPECIFIC SPEED	
PUMPING TEMP.		°C		NORMAL DISCHARGE PRESSURE		barg	NPSH (WATER)	
SP.GR. @P,T				NORMAL SUCTION PRESSURE		barg	NO. OF STAGES	
VAP. PRESS. @P,T		kPaa		MAX. SUCTION PRESSURE		barg	RPM	
VISCOSITY @P,T		cP		DIFFERENTIAL PRESSURE		bar	DESIGN EFFICIENCY @ RATED FLOW	
CORROSION/EROSION:				DIFFERENTIAL HEAD (RATED)		m	HYDRAULIC POWER @ RATED FLOW	
				NPSH AVAILABLE (EST.)		m	SHAFT INPUT POWER @ RATED FLOW	
EST. PUMP EFF.		%		NPSH REQUIRED (EST.)		m	MAX. POWER (DESIGN IMPELLER)	
							MAX. HEAD (DESIGN IMPELLER)	
PUMP TYPE		CENTRIFUGAL		IMPELLER MOUNT			MIN. CONTINUOUS STABLE FLOW	
CASING MOUNTING		CENTRELINE		FOOT		BRACKET	VERTICAL	
SPLIT		AXIAL		RADIAL			ROTATION (COUPLING END)	
TYPE		1 VOLUTE		2 VOLUTE		DIFFUSER	COOLING WATER FLOW	
							BEARINGS	
TAPPED OPENINGS		VENT		DRAIN		GAUGE	GLAND	
NOZZLES		SIZE		RATING		FACING	PEDESTAL	
SUCTION						POSITION	SEAL	
DISCHARGE							TOTAL	
IMPELLER DIAMETER (MIN./DESIGN/MAX.)				TYPE			MAWP CASE	
BEARINGS (RADIAL/THRUST)				LUBE			@ TEMP.	
COUPLING/GUARD - MFG. & TYPE							HYDROSTATIC TEST PRESSURE	
MECHANICAL SEAL - MFG. & TYPE				API CODE			TESTS	
MFG. MATERIAL CODE				FLUSH PLAN			HYDROSTATIC	
BASEPLATE							NPSH	
MOTOR DRIVER				MATERIALS			PERFORMANCE	
VENDOR TO				EXTERNAL CASING			FINAL DATA	
SUPPLY				MOUNT			ACTUAL IMPELLER DIAMETER	
ITEM NO.				IMPELLER			TEST CURVE NO.	
MFG.				SHAFT			OUTLINE DWG NO.	
TYPE				ENCLOSURE		SERV. FAC.	PUMP SECT. DWG NO.	
							SEAL DWG NO.	
NAMEPLATE kW				RPM		FRAME	PUMP SERIAL NO.	
VOLTS				PHASE		CYCLES	UTILITY CONDITIONS	
							STEAM	
							DRIVERS	
							HEATING	
BEARINGS/LUBE				TOTAL		kg	MIN.	
							MAX.	
EQUIPMENT SPECIFICATIONS/STANDARD							barg °C	
ELECTRICAL HAZARDOUS AREA							barg °C	
SITE DATA							COOLING WATER	
ELEVATION				m		BAROMETER	INLET TEMP.	
						kPaa	MAX. RETURN TEMP.	
AMBIENT TEMP. (MIN./MAX.)				°C			NORM. PRESS.	
RELATIVE HUMIDITY (MIN./MAX.)				%			DESIGN PRESS.	
UNUSUAL CONDITIONS				DUST		COASTAL CLIMATE	MIN. RETURN	
				FUME		OTHER	MAX. ALLOW. DP	
MAX. SOUND PRESS. LEVEL				85		dBa @	1	
						m	WATER SOURCE	
							INSTRUMENT AIR	
							MAX./MIN. PRESSURE	
							barg	
NOTES:								
1.								
2.								
3.								
4.								