

PLANT: Impianto	CUSTOMER: Novamont Cliente	ITEM: Sigla	P 2109
LOCATION: Porto Torres (SS) Località	JOB: T 1146 Commessa		
DEPARTMENT: P01-AREA 2100 Reparto	P&I: P-01-GPID-001 Sh.4	MFR: Fornitori	PAGE: 1 of 1 Pagina

SERVICE Servizio	R2103 pump	No. of UNITS No. Di UNITA	1
WEIGHTS: PUMP Kg PES: POMPA	BASE Kg BASE	MOTOR Kg MOTORE	REDUCTION GEAR Kg RIDUTTORE
		TOTAL WEIGHT Kg PESO TOTALE	

OPERATING CONDITIONS EACH PUMP CONDIZIONI OPERATIVE				PERFORMANCE Prestazioni			
FLUID Fluidi	Hydroxylated oil	FLOW NORM / RATED Portata normale/nominale	5 m³/h	SET PRESS. SAFETY VALVE Pressura valvola sicurezza	(1)	bar	
SOLIDS Solidi	No	DISCHARGE PRESSURE Pressione di mandata	2,9 bara	NPSH REQUIRED NPSH richiesto	(1)	m	
CORROSIVE COMPOUNDS Composti corrosivi	1% H₂O₂	SUCTION PRESSURE MAX/RATED Pressione aspirazione max/nominale	0,5 bara	RPM RATED RPM richiesto	(1)		
TEMPERATURE NORM/MAX Temperatura	62 °C	DIFFERENTIAL PRESSURE Pressione differenziale	2,4 bar	EFFICIENCY Rendimento		%	
VISCOSITY AT P.T. Viscosità	500 cP	DIFF. HEAD Prevalenza	25 m	MAX POWER RATED Potenza max richiesta	(1)	KW	
DENSITY AT P.T. Densità	966 Kg/m3	NPSH AVAILABLE NPSH disponibile	>= 5 m	RPM MIN / MAX			
VAPOUR PRESSURE Tensione di vapore	/ bar	INSTALLATION	INDOOR <input checked="" type="checkbox"/> OUTDOOR <input type="checkbox"/>	FLOW	MIN/MAX	m³/h	
FREEZING TEMPERATURE Temperatura di congelamento	/ °C			ROTATION (FROM COUPLING END) Rotazione (vista dai giunti)	(1)		
				MAX ALLOWABLE PRESSURE Pressione massima ammessa	6	bar(g)	

CONSTRUCTION DATA DATI COSTRUTTIVI				HYDROSTATIC TEST Prova a pressione idrostatica			
PUMP INSTALLATION Montaggio pompa	HORIZONTAL <input type="checkbox"/> FOOT <input checked="" type="checkbox"/> BRACKET <input type="checkbox"/> VERTICAL <input type="checkbox"/>			MAX ALLOWABLE TEMPERATURE Temperatura max ammessa	110	°C	
JACKETS (4)	ANT. SIDE <input type="checkbox"/> PUMP BODY <input type="checkbox"/> VALVES <input type="checkbox"/>						
CASING MIN. THICKNESS mm Spessore minimo cassa							
TYPE OF PUMPING ELEMENTS Organo pompante tipo							
RPM ADJUSTMENT TYPE %	AUTOMATIC <input type="checkbox"/> MANUAL <input type="checkbox"/>						

				REDUCTION GEAR RIDUTTORE			
SUCTION FLANGE Ø mm (1)	RATING	PN 16 FACING	RF	LOCATION (1)	TYPE	(1)	
DISCHARGE FLANGE Ø mm (1)	RATING	PN 16 FACING	RF	LOCATION (1)	RED. RATIO	(1)	
				SERVICE RATING	(1)		
				MANUFACTURER	(1)		
				LUBRICATION	(1)		
				LUBRICANT TYPE	(1)		
				MECHANICAL SEAL TYPE	single or double (5)		
				MATERIAL	Ø mm		
				SHOP TEST COLLAUDI			
				PERFORMANCE	WITHN <input type="checkbox"/> NON WIT <input type="checkbox"/>		
				FINISH	<input type="checkbox"/>	<input type="checkbox"/>	
				HYDROSTATIC PRESSURE	<input type="checkbox"/>	<input type="checkbox"/>	
				DISMANTLING AFTER TEST	<input type="checkbox"/>	<input type="checkbox"/>	

MATERIALS MATERIALI		MOTOR DRIVER MOTORE E DI COMA		FINAL DATA DATI FINALI	
CASING (3)		POWER (1)	KW	SECTIONAL DWG (1)	N°
PUMPING ELEMENT (1)		RPM (1)		OUTLINE DWG (1)	N°
INNER CASE PART (1)		No of POLES (1)		SEAL DWG (1)	N°
FOLLOWER (1)		WAF (1)		SAFETY VALVE DRW (1)	N°
SAFETY VALVE (3)		ENCLOSURE (1)	IP55	REDUCTION GEAR DRW (1)	N°
GASKETS (3)		EXECUTION (1)		INSPECTION REPORT (1)	N°
BEARING HOUSING (3)		VOLTS PHASES/CYCLES (1)	400/3/50		
BASE PLATE (3)		MANUFACTURER (1)			
		FULL LOAD AMPS (1)			
		EFFICIENCY (1)	IE2 (high eff.) (2)		

AUXILIARY PIPING TUBAZIONE AUSILIARIA							
COOLING WATER P Barg	°C	BEARINGS <input type="checkbox"/>	STUFFING BOX JACKET <input type="checkbox"/>	PEDESTAL <input type="checkbox"/>	GLAND <input type="checkbox"/>		
TOTAL FLOW m³/h		PLAN					
FLUSHING LIQUID P Barg	°C	FLOW m³/h		PLAN			
JACKET FLUID hot water P Barg	°C	95	HYDRAULIC TEST Barg	PLAN			

CODE REQUIREMENTS Norme			
REMARKS			
(1) To be defined by vendor		(4) Vendor shall make two quotations (one with jacket and one without)	
(2) Electric motor suitable for operation with inverters		(5) To be defined by vendor in according to the fluid type	
(3) Material in contact with process fluid: AISI 316L or PTFE			

REV.	DATE	DESCRIPTION	FILLED OUT	CHECKED	APPR. BY
2					
1	11/04/2011	Revision due to the new hydroxylation reactor	SV	WR	CP
0	13/10/2010	First Issue	SV	WR	CP