PUMP MECHANICAL DATA SHEET

PROJECT NAME		PROJECT NO.	
CUSTOMER		REQ. NO.	
LOCATION		DATE	
SERVICE		PUMP CODE	
ITEM NO.	QUANTITY	MODEL	SIZE

OPERATING CONDITIONS

PUMPING LIQUID

PUMPING TEMPERATURE(MAX./NORMAL/MIN ____ / ____ / ____ ℃

SPECIFIC GRAVITY(MAX./NORMAL/MIN.) ____ / ____ / ____

VISCOSITY(MAX./NORMAL/MIN.) ____ / ____ / ____ cP

VAPOR PRESSURE(MAX./NORMAL) ____ / ____ (kg/㎠a)

CAPACITY(NORMAL/RATED) ____ / ____ m³/hr

DISCHARGE PRESSURE(RATED/MAX.) ____ / ____ (kg/㎠g)

SUCTION PRESSURE(RATED/MAX.) ____ / ____ (kg/㎠g)

DIFFERENTIAL PRESSURE ____ (kg/㎠)

DIFFERENTIAL HEAD ____ m

NPSH AVAILABLE @ C.O.I ____ m

INSTALLATION ☐ INDOOR ☐ OUTDOOR

PUMP PERFORMANCE

MOTOR POWER ____ kW ____ P ____ RPM

IMPELLER DIA.(RATED/MAX./MIN.) ____ / ____ / ____ (mm)

IMPELLER TYPE ____

RATED POWER ____ KW EFFICIENCY ____ %

MINIMUM CONTINUOUS FLOW ____ m³/hr

PREFERRED OPERATING REGION ____ / ____ m³/hr

ALLOWABLE OPERATING REGION ____ / ____ m³/hr

SHUT-OFF HEAD ____ m

MAX. POWER @ RATED IMPELLER ____ KW

NPSHr AT RATED FLOW(WATER @ C.O.I) ____ m

SUCTION SPECIFIC SPEED ____ (m^3/hr.m.rpm)

MAX.SOUND PRESSURE LEVEL ____ dBA

CONSTRUCTIONS

MAIN NOZZLE CONNECTIONS :

NOZZLE	SIZE	RATING	FACING	LOCATION
SUCTION				
DISCHARGE				

PRESSURE CASING AUXILIARY CONNECTION NOZZLES :

NOZZLE	Q'TY	SIZE	RATING	FACING	DESCRIPTION
DRAIN					
VENT					

PUMP MODEL ____ NO. OF STAGE ____

CASING MOUNTING

☐ CENTERLINE ☐ FOOT ☐ OTHER ____

PUMP TYPE

☐ OH1 ☐ OH2 ☐ OH3 ☐ OH4 ☐ OH5

☐ BB1 ☐ BB2 ☐ BB3 ☐ BB4 ☐ BB5

☐ VS1 ☐ VS2 ☐ VS4 ☐ VS6 ☐ OTHER ____

ROTATING DIRECTION (VIEWED FROM COUPLING END) ☐ CW ☐ CCW

MAXIMUM ALLOWABLE WORKING PRESSURE

____ (kg/㎠g) @ ____ ℃

HYDROSTATIC TEST PRESSURE ____ (kg/㎠g)

LUBRICATION ☐ GREASE ☐ OIL (ISO VG#46) ____

BEARING ☐ THRUST(TYPE/NO.) ____ / ____

☐ RADIAL(TYPE/NO.) ____ / ____

OILER ____

BASEPLATE ☐ COMMON ☐ SOLE ☐ DRAIN PAN

TRANSMISSION ☐ DIRECT ☐ V-BELT ☐ CLOSED COUPLED

COUPLING & SAFETY GUARD

MANUFACTURER ____ SERVICE FACTOR ____

TYPE COUPLING GUARD MATERIAL

SHAFT SEALING

☐ MECHANICAL SEAL ☐ GLAND PACKING

GLAND PACKING

SIZE	MATERIAL	TURN	MAKER

MECHANICAL SEAL

☐ MANUFACTURER ____

☐ TYPE / MODEL ____

☐ API CLASS CODE ____

☐ SEAL FLUSHING PLAN NO.

DRIVER

DRIVER TYPE ☐ INDUCTION MOTOR ☐ STEAM TURBINE

☐ GEAR ☐ OTHER

MANUFACTURER ____

RATED OUTPUT ____ kW ____ P ____ RPM

ARRANGEMENT ☐ HORIZONTAL ☐ VERTICAL

SERVICE FACTOR ____ STARTING METHOD ____

VOLT/PHASE/HERTZ ____ / ____ / ____

ENCLOSURE ____ EX. PROOF GRADE ____ IP ____

INSULATION ____ TEMPERATURE RISE ____

LUBRICANT BEARING TYPE

MATERIAL

CASING ____ IMPELLER ____

SHAFT ____ WEARING ____

SHAFT SLEEVE ____ BEARING FRAME ____

BASE PLATE

INSPECTION & TEST

TEST	NON-WITNESS	WITNESS
HYDROSTATIC PRESSURE TEST	☐	☐
PERFORMANCE TEST	☐	☐
NPSHr TEST (IF REQUIRED)	☐	☐
MECHANICAL RUNNING TEST	☐	☐
SOUND LEVEL TEST	☐	☐
NDE	☐	☐

OTHER

HEATING & COOLING

☐ COOLING ☐ JACKET

COOLING WATER PIPING ____ MATERIALS ____

☐ PIPE ☐ TUBING ☐ FITTIING

JACKET PIPING MATERIALS ____

☐ PIPE ☐ TUBING ☐ FITTIING

SPARE PARTS

☐ SPARE PARTS FOR ERECTION & COMMISSIONING ____

☐ SPARE PARTS FOR 2 YEARS OPERATION

WEIGHT(kg)

PUMP ____ MOTOR ____

BASE PLATE TOTAL

PUMP PACKAGE DIMENSION

PUMP DRAWING DIMENSION TABLE (Unit : mm)

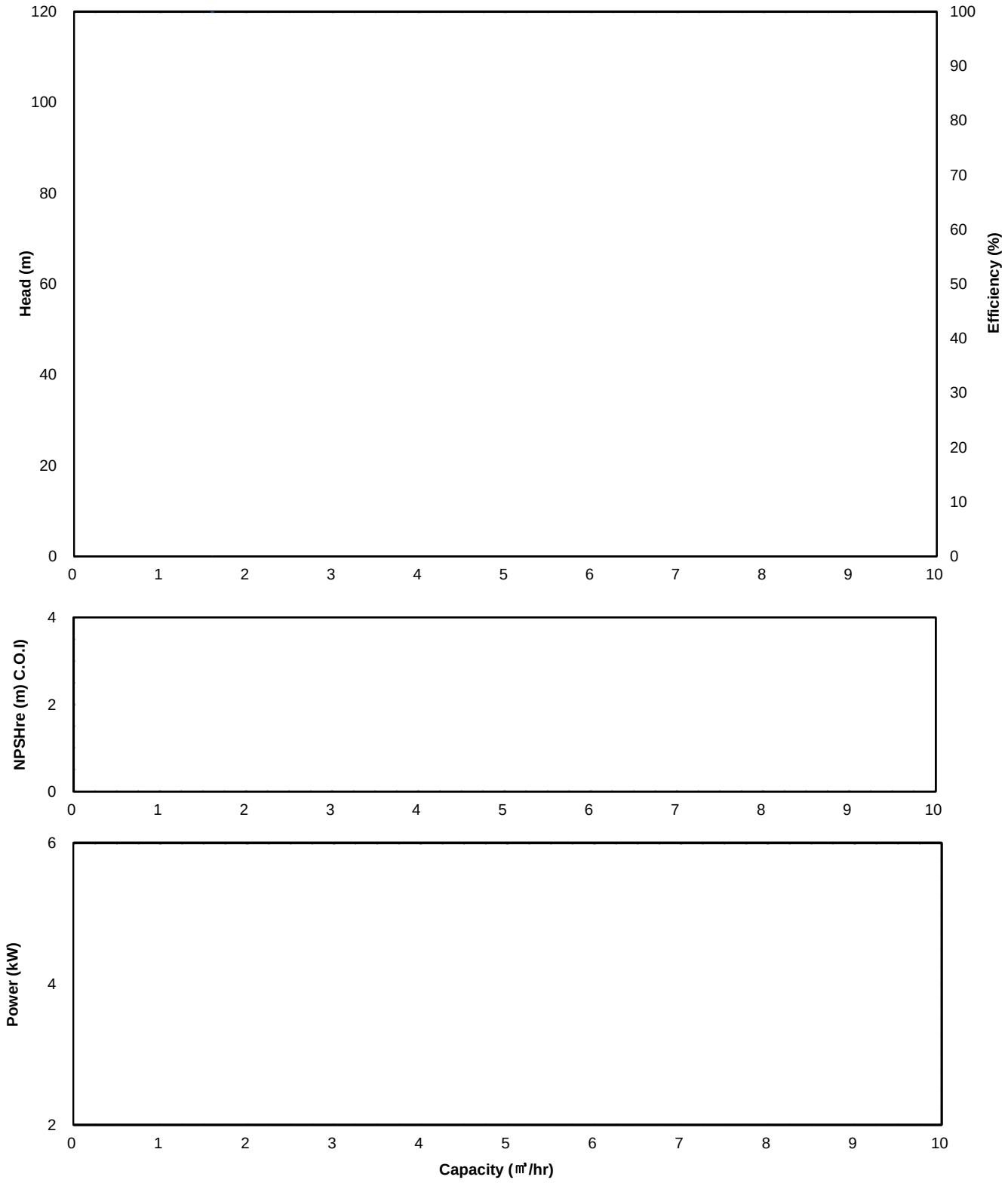
REMARKS

Rev.	DESCRIPTION	DATE	DWN	CH'K	APP'D

PUMP PERFORMANCE CURVE

Curve No.

CUSTOMER		LIQUID			
ITEM NO.		CAPACITY		SP.GR.	
SERVICE NAME		HEAD		VISCOSITY	
PUMP MODEL		POWER		TEMPERATURE	



M.C.F.		SHUT-OFF HEAD		B.E.P		RATED CAPACITY / B.E.P					
NPSHr @ C.O.I		EFFICIENCY									
RATED POWER		MAX. POWER									
IMPELLER DIA.(RATED/MAX./MIN.)											
SUCTION SPECIFIC SPEED				Rev.	DESCRIPTION	DATE	DWN	CH'K	APP'D		