

	PUMP	DATA S	HEE	T		WORK	No.	2HM	1600		
CUSTOMER	EMERSON PROCESS MANAGEMENT ASIA PAC				IFIC		DATE			12/10/25	1
USER	LUKOIL OIL COMPANY					AUTI	AUTH. BY CHKD		D BY	BY MADE BY	
EQUIP'T NAME					Tshim	T.Shimayushi M.		M K. Nishimura			
ORDER No.	JP83014183					REV. DATE LINE No.			BY		
JOB No.											
ITEM (PUMP) No.											
PUMP NAME											
QUANTITY 2										1	
OPERATING CONDITIONS					CONSTRUCTION						ĺ
LIQUID		CRUDE OIL			PUMP	TYPE	MP-	-SP	SIZE	222	1
SLURRY		NONE			MAGN	ET TYPE			N40N		
	(wt%)			(mm)	BEAR	ING	RADIAL:		THRUS	T: -	1
PH	-				AUXI	LIARY PIPIN	G		-		
PUMPING TEMP.		40~65		(°C)	NOZZ	LE	SI	ZE	RATING	FACING	1
SPEC. GRAVITY	@P. T.	0. 884~	0. 903		SUCT	ION	1″		ASME-600) RF	
VAPOUR PRESS.	@P. T.				DISC	HARGE	3/4"		ASME-600) RF	
VISCOSITY	@P. T.	16.96~	40. 07	(CP)	IMPE	LLER DIA. D	ES.		φ168	(mm)	
CAPACITY	4	(m3/hr)	66. 7	(l/min)	ROTA	TION VIEWED	FROM CPL	G END		CW CCW	
DISCH. PRESS.				(MPaG)			PEF	RFORMA	NCE		1
SUCT. PRESS.	,			(MPaG)	SPEE	D			2950	(rpm)	
DIFF. PRESS.		0. 310		(MPa)	NPSH	REQ' D (WATE	R)		1. 5	(m)	
TOTAL HEAD		35		(m)	DES.	EFF.			16	(%)	
NPSH AVAIL.				(m)	DES.	BHP			2. 2	(kW)	
CASE DES. TEMP.	85	(°C) PRESS.	8. 5	(MPaG)	MIN.	CONTINUOUS	FLOW		(m3/hr)	(1/min)	
INSTALLATION		INDOOR	V	OUTDOOR	HYDR	OSTATIC TES	T PRESS.		12. 8	(MPaG)	
MOTOR				MATERIALS						1	
TYPE Exd I	1BT4, IP65	FORM			CASI	NG			SCS1	4	
					IMPE	LLER			SCS1	4	
SPEED	3000	O (SYN)		(rpm)	SLEE	VE (HF)			SiC	(-)	
VOLTS/CYCLE	40	0 (V)	50	(Hz)	SHAF	T (HF)			SUS316	(-)	
RATED OUTPUT/PO	LES 3	(kW)	2	(P)	GASK	ET			V78	590T	
FRAME	100L	MFR.	LEROY	SOMER	O RI	NG		***	-		
	PUMP	PAINTING									1
COLOR BODY:	2. 5PB4/	10 COVER:		_							承
REMARKS	•				<u> </u>						
											品
											組
									GNo MP-		計

SANWA HYDROTECH CORP.

DWG.No. MP-121600-D



SANWA PUMP

PERFORMANCE CURVE (EXPECTED)

MP-SP 222

Work No. 2HM1600

Item No.

CAPACITY 4 m³/h (66.7 i/min) TOTAL HEAD 35 m POWER 3.7 kW

SPEED NPSHav/req 2950 rpm / 1.5 m

40.07 CP S.G. 0.903

VIS. [m] 40 39 38 37 36 35 34 33-32 31 30-29-28 27 26 25-24 23-22 20 19 18 17-16-15 14 13 12-10-[kW] Shaft power P2 2.4 1.6 1.2 0.8 [%] Efficiency 20 16-12 [m] NPSH 2.4 2-1.6 1.2 0.8 0.4 150

NOTE
CONTINUOUS LINE: S.G.=1, VIS.=1mPas (WATER)
DOTTED LINE: Specified Liquid

DRAWING No.

承 1

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機 組

MF

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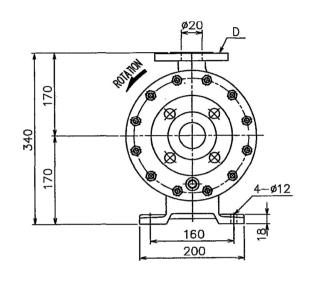
MP-121600-C

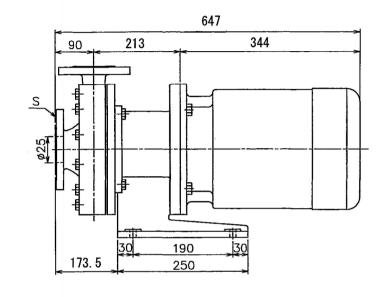
APPROVED 7.s CHKD M. M

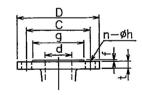
(Nishimura

2012. 10. 23

ALL DIMENSIONS ARE IN mm







	FLANGE DIMENSIONS							(mm)_		
	SIZE	FRAME	D	t	f	g	С	n	h	
SUCTION	1"	ASME.600RF	125	17. 5	7	50.8	88.9	4	19	
30011011	_									
DISCHARGE	3/4"	ASME.600RF	115	15. 9	7	42.9	82.6	4	19	
DISCHARGE										
					(1	10 9	SER	RA	TIOI	N)

MASS								
PUMP	40	kg						
MOTOR	38	kg						
TOTAL	78	ka						

REV.	PUMP TYPE	WORK No.	
	MP-SP 222	2HM1600	資
	MAGNETIC DRIVE	TEST PRESS. QTY.	
	CENTRIFUGAL PUMP	WT-12. 8 MPaG 2	機
	OUTLINE DIMENCIONS		REV. 組 1
APP'D 7. Shimayosh CH. K. Nishimura	7-4 ANCIE DOD INCTION SOALE	[→] MP-121600-X	1 1
CHIEF DWN. K. Nishimura	OTA ANGLE PROJECTION SCALE	1 121000 X	
CH'D M. M DATE 12 10 25	SANWA HYDROI	FCH CORP	控
CH'D M, M DATE ' 12. 10. 25	5/1117/ 1110/01	LOIT COINT.	計3



