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MOTOR SPECIFICATION SHEET

MODEL : SF-PRB 3.7kW 4P
 USED FOR : 380V 50Hz
 MANUFACTURER : MITSUBISHI ELECTRIC CORPORATION

DESCRIPTION	DETAIL
PHASE	3
MODEL NAME	SF-PRB
RATED OUTPUT	3.7 kW
POLE	4
CODE	
OUTLINE DRAWING NO.	BD39196-*
RATED VOLTAGE (V)	380
RATED FREQUENCY (Hz)	50
RATED CURRENT (A)	7.8
RATED SPEED (min ⁻¹)	1445
RATED EFFICIENCY	88.6%
EFFICIENCY CLASS	IE3
THERMAL CLASS	120 (E)
RATING	S1 (CONTINUOUS)
ENCLOSURE CONSTRUCTION	TOTALLY ENCLOSED FAN COOLED
DEGREES OF PROTECTION	IP44
METHOD OF COOLING	IC411
FRAME NO.	112M
WEIGHT (kg)	48
STANDARD	JIS C 4213, JEC-2137-2000
INSTALLATION	FOOT MOUNTED
ROTATION	CCW (VIEWED FROM SHAFT END)
BEARING	LOAD SIDE : 6207ZZ
	OPPOSITE SIDE : 6206ZZ
BEARING GREASE	UREA GREASE
NOISE (dB.A)*	57
VIBRATION	V10
CIRCUMSTANCE CONDITION	AMBIENT TEMPERATURE : -20 ~ +40°C
	AMBIENT HUMIDITY : 95% RH (NO CONDENSATION)
	ABOVE SEA LEVEL : 1000m OR BELOW
	ENVIRONMENT : NO CORROSIVE/EXPLOSIVE GAS, NO STEAM OR CONDENSATION, MINIMAL DUST.
COLOR	MUNSELL N7 (GRAY)
TERMINAL BOX	NO. OF LEAD WIRES : MOTOR = 3 , BRAKE = 3
	SOURCE CONNECTION : TERMINAL BLOCK
SHAFT SWING	≤0.03mm
MATERIAL	FRAME : STEEL PLATE
	BRACKET LOAD SIDE : ALUMINIUM
	OPPOSITE SIDE : CAST IRON
	SHAFT : CARBON STEEL
	STATOR CORE : ELECTRICAL STEEL
	WIRE : ENAMELLED COPPER MAGNET WIRE
	ROTOR CORE : ELECTRICAL STEEL
	CONDUCTOR : ALUMINIUM
	TERMINAL BOX : STEEL PLATE
	PAINTING : ACRYLIC RESIN
BRAKE	TYPE : TB-A3.7H (DC)
	RATED BRAKING TORQUE : 37 N.m
	POWER SUPPLY UNIT : PROVIDED BY BUILT INTO MOTOR.
PRODUCTION COUNTRY	JAPAN

*Value indicates representative value, not guaranteed value.

Specifications subject to change without notice.

SPECIFICATION SHEET NO.				
SS-M-1692-A				

TYPE SF-PRB SUPER-LINE THREE PHASE INDUCTION MOTOR

OUT LINE
DIMENSION IN mm

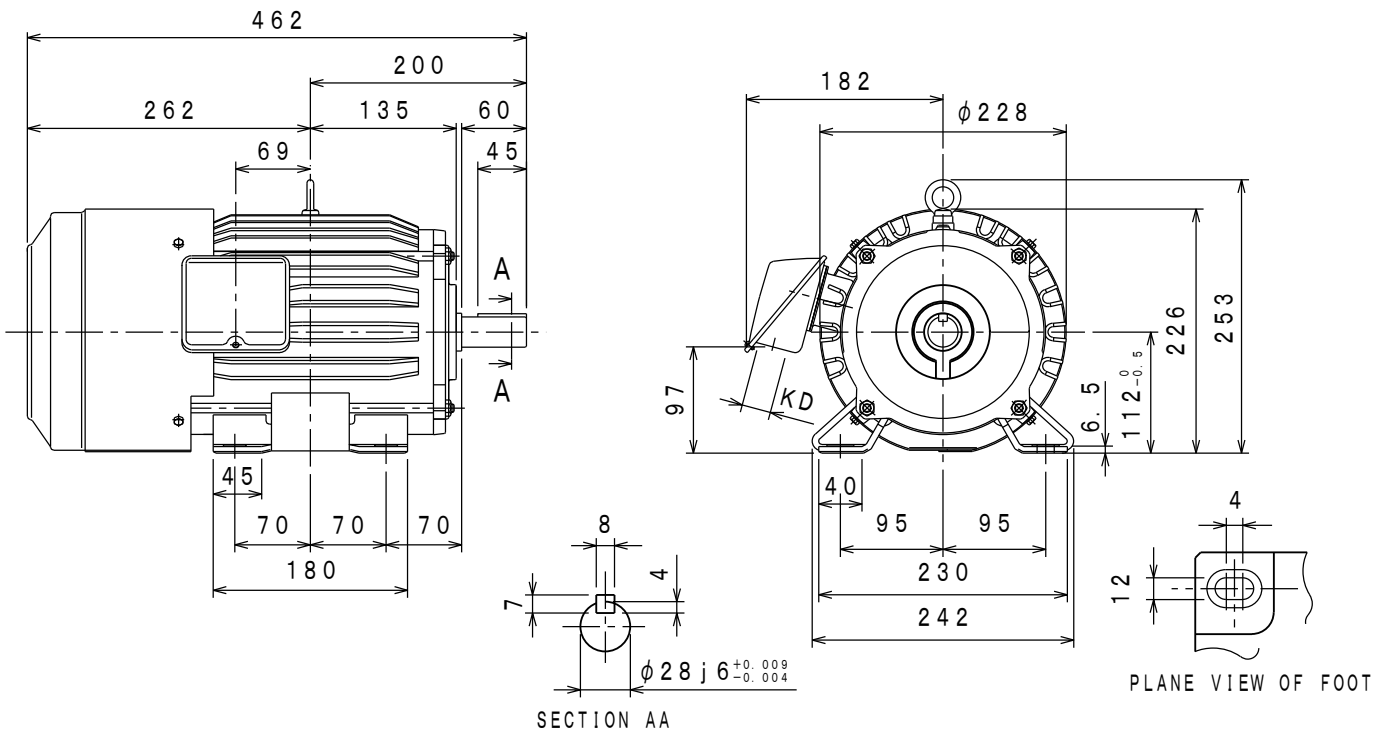
INDOOR USE TYPE

TOTALLY ENCLOSED FAN COOLED
 PROTECTION DEGREE: IP44 (BRAKE: IP20)
 COOLING METHOD: IC411
 WITH TYPE TB-A3.7H ELECTROMAGNETIC BRAKE
 BRAKING TORQUE 37N·m FRAME NO. 112M

CUSTOMER _____
 USER _____
 FOR _____
 CUST' S ORDER NO. _____
 QUANTITY _____ UNIT (S) _____
 MFG ORDER NO. _____

YOUR ORDER	kW·POLES	VOLT	HERTZ	MASS kg/UNIT	STYLE NO.
	3.7kW 4P	380V	50Hz	48	

IE Code-Rated Eff	
3.7kW 4P	IE3-88.6%



RATING	TH. CLASS	AMB. TEMP	BEARINGS		NO. OF TERMINALS		VIEWED FROM DRIVE END		COLOUR	KD	BRAKING TORQUE
			LOAD SIDE	OPPOSITE SIDE	MOTOR	BRAKE	DIRECT. OF TERMINAL BOX	ROTATION			
S 1	120 (E)	40° C	6207ZZ	6206ZZ	3	3	A (LEFT)	CCW	MUNSELL N7	$\phi 27$	ABOVE 150%

NOTE: 1. LEADS FOR MAIN POWER AND BRAKE ARE CONNECTED WITH TERMINAL BOARD, AND BRAKE IS TURNED OFF AT THE SAME TIME WITH MAIN POWER.
 IN CONNECTING THEM SEPARATERY, REMOVE BRAKE LEADS FROM TERMINAL BOARD.
 2. WITH HALF WAVE RECTIFICATION METHOD DIRECT CURRENT POWER-SUPPLY UNIT (RECTIFIER) FOR BRAKE.
 FOR AC400V (INPUT VOLTAGE AC400/440/460V, OUTPUT VOLTAGE DC180/198/207V)
 3. PLEASE REFER TO BD10783 FOR THE BRAKE CONNECTING WIRES.

	DRAWN	APPROVED
SCALE NTS		
DATE FEB. 15. '19		

(和文: BD26504)

MITSUBISHI ELECTRIC CORP., JAPAN
 NAGOYA WORKS

CHANGE	NO.	DESCRIPTION

図面
 番号
 DWG. **BD39196-***
 NO.

CAD(2D)