MITSUBISHI ELECTRIC
Changes for the Better

MITSUBISHI ELECTRIC AUTOMATION (THAILAND) CO., LTD.
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MOTOR SPECIFICATION SHEET

MODEL : SF-QV 30HP 2P (LT)
USED FOR : STANDARD

DESCRIPTION	DETAIL			
PHASE	3			
MODEL NAME	SF-QV			
RATED OUTPUT, HP (kW)	30 (22)			
POLE	2			
CODE	MEATH CODE : 1M002V-202200QVGD0			
OUTLINE DRAWING NO.	ONM34O490-D			
RATED VOLTAGE (V)	220	380	415	
RATED FREQUENCY (Hz)	50	50	50	
RATED CURRENT (A)	74.0	42.7	39.6	
RATED SPEED (min^{-1})	2920	2920	2940	
RATED EFFICIENCY (%)	89.9	89.9	90.2	
EFFICIENCY CLASS	IE1			
THERMAL CLASS	155(F)			
RATING	S1 (CONTINUOUS)			
ENCLOSURE CONSTRUCTION	TOTALLY ENCLOSED FAN COOLED			
DEGREES OF PROTECTION	IP55			
METHOD OF COOLING	IC411			
FRAME NO.	180M			
WEIGHT (kg)	194			
STANDARD	IEC 60034-1, IEC 60034-30-1			
INSTALLATION	FLANGE MOUNTED (VERTICAL)			
ROTATION	CCW (VIEWED FROM SHAFT END)			
BEARING	LOAD SIDE : 6311ZZ			
	OPPOSITE SIDE : 6310ZZ			
BEARING GREASE	UREA GREASE			
NOISE (dB.A)	90			
VIBRATION	V15			
CIRCUMSTANCE CONDITION	AMBIENT TEMPERATURE : -20 ~ +40°C			
	AMBIENT HUMIDITY : 95%RH OR LESS			
	ABOVE SEA LEVEL : 1000m OR LESS			
	ENVIRONMENT : NO BURSTING/EROSIVE GAS OR VAPOR			
COLOR	MUNSELL N1.5 (BLACK)			
TERMINAL BOX	NO. OF LEAD WIRES : 6			
	SOURCE CONNECTION : LEAD WIRES			
SHAFT SWING	≤0.05mm			
MATERIAL	FRAME : CAST IRON			
	BRACKET LOAD SIDE : CAST IRON (FLANGE)			
	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 : POLYURETHANE RESIN			
PRODUCTION COUNTRY	THAILAND			

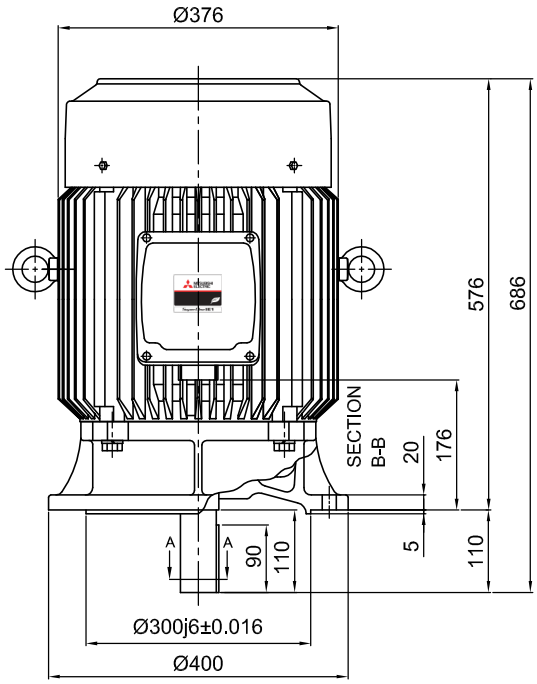
Specifications subject to change without notice.

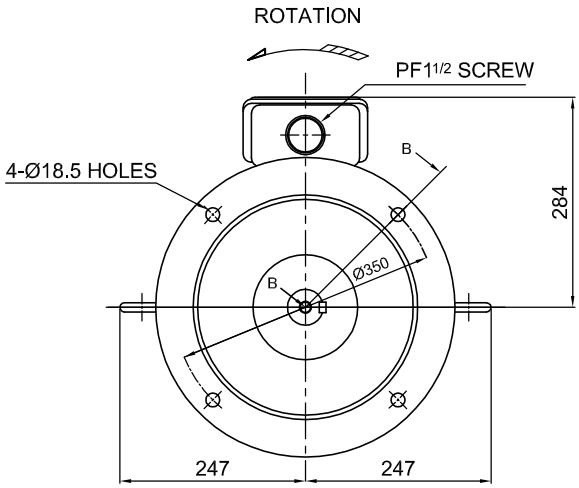
SPECIFICATION SHEET NO.				
SS-N-3248-A				

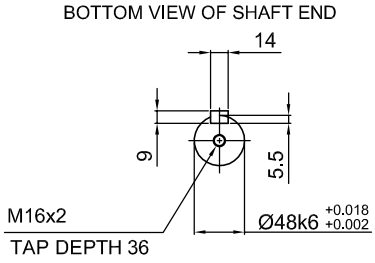
MODEL SF-QV THREE PHASE INDUCTION MOTOR OUTLINE DRAWING

TOTALLY ENCLOSED FAN COOLED
DEGREES OF PROTECTION IP55
DUST & WATER JET PROOF

CUSTOMER
USER
FOR
CUSTOMER'S ORDER NO.
QUANTITY
MFG. ORDER NO.







YOUR ORDER	FRAME SIZE	RATING	TH. CLASS	AMB. TEMP.	BEARINGS		COLOR	DIRECTION OF ROTATION (VIEWED FROM SHAFT END)	NO. OF LEAD WIRES	REMARKS
					LOAD SIDE	OPP. SIDE				
	180M	S1 (CONT.)	155(F)	40°C	6311ZZ	6310ZZ	BLACK (MUNSELL N1.5)	CCW	6	

YOUR ORDER	OUTPUT		POLES	VOLTS	HERTZ	AMP.	RPM	IE CODE-RATED EFF.	REMARKS
	HP	kW							
	30	22	2	380/415	50	42.7/40.2	2930/2945	IE1-90.2%/91.0%	HT
	25	18.5	4	380/415	50	37.6/37.4	1470/1480	IE1-89.9%/89.8%	HT
	30	22	4	380/415	50	44.2/43.7	1470/1475	IE1-90.2%/90.0%	HT
	20	15	6	380/415	50	32.5/32.1	975/980	IE1-88.5%/88.3%	HT
	30	22	2	220/380/415	50	74.0/42.7/39.6	2920/2920/2940	IE1-89.9%/89.9%/90.2%	LT
	25	18.5	4	220/380/415	50	66.1/38.2/39.2	1475/1475/1480	IE1-89.9%/89.9%/89.3%	LT
	30	22	4	220/380/415	50	76.6/44.2/43.9	1475/1475/1480	IE1-90.2%/90.2%/90.0%	LT
	20	15	6	220/380/415	50	56.3/32.5/32.1	975/975/980	IE1-89.0%/89.0%/88.3%	LT

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DIMENSION IN mm.
SCALE : NTS

OUTLINE DRAWING NO. ONM340490

REV. D