MITSUBISHI ELECTRIC
Changes for the Better

MITSUBISHI ELECTRIC AUTOMATION (THAILAND) CO., LTD.
Bang-Chan Industrial Estate No. 111 Moo 4, Serithai Rd., T.Kannayao, A.Kannayao, BKK 10230 Thailand
Tel: (66) 2517-1326, (66) 2919-9873 Fax: (66) 2517-1328 URL: www.meath-co.com E-mail: support@meath.co.th
บริษัท มิตซูบิชิ อีเล็คทริค ออโตเมชั่น (ประเทศไทย) จำกัด
นิคมอุตสาหกรรมบางชัน เลขที่ 111 หมู่ 4 ถนนเสรีไทย แขวงคันนายาว เขตคันนายาว กทม. 10230
โทรศัพท์: (66) 2517-1326, (66) 2919-9873 โทรสาร: (66) 2517-1328 URL: www.meath-co.com E-mail: support@meath.co.th

MOTOR SPECIFICATION SHEET

MODEL : SCL-QR 2HP 4P
USED FOR : STANDARD

DESCRIPTION	DETAIL				
PHASE	1				
TYPE	CAPACITOR START AND RUN				
MODEL NAME	SCL-QR				
RATED OUTPUT, HP (kW)	2 (1.5)				
POLE	4				
CODE	MEATH CODE : 1M001D-400150QRES1				
OUTLINE DRAWING NO.	ONM04O010-*				
RATED VOLTAGE (V)	220	230	220		
RATED FREQUENCY (Hz)	50	50	60		
RATED CURRENT (A)	10.4	10.5	9.4		
RATED SPEED (min^{-1})	1450	1450	1740		
RATED EFFICIENCY (%)	80.1	77.5	82.9		
THERMAL CLASS	130(B)				
RATING	S1 (CONTINUOUS)				
ENCLOSURE CONSTRUCTION	DRIP-PROOF				
DEGREES OF PROTECTION	IP22				
METHOD OF COOLING	IC01				
FRAME NO.	100L				
WEIGHT (kg)	23.4				
STANDARD	JEC-2137-2000				
EFFICIENCY RULE	IEC 60034-30-1				
INSTALLATION	FOOT MOUNTED				
ROTATION	CCW (VIEWED FROM SHAFT END)				
BEARING	LOAD SIDE : 6206ZZ				
	OPPOSITE SIDE : 6205ZZ				
BEARING GREASE	UREA GREASE				
VIBRATION	V20				
CIRCUMSTANCE CONDITION	AMBIENT TEMPERATURE : -20 ~ +4O°C				
	AMBIENT HUMIDITY : 85%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 : 4				
	SOURCE CONNECTION : LEAD WIRES				
INSULATION RESISTANCE	BY DC 500V MEGGER - ≥100MΩ				
DIELECTRIC TEST	AC 50Hz 1500V - 1min. (Based on rated voltage 220V)				
SHAFT SWING	≤0.03mm				
MATERIAL	FRAME : STEEL PLATE				
	BRACKET : ALUMINIUM				
	SHAFT : CARBON STEEL				
	STATOR CORE : ELECTRICAL STEEL				
	WIRE : ENAMELLED COPPER MAGNET WIRE				
	INSULATOR : POLYESTER FILM				
	VARNISH : EPOXY DENATURALIZATION POLYESTER				
	ROTOR CORE : ELECTRICAL STEEL				
	CONDUCTOR : ALUMINIUM				
	TERMINAL BOX : STEEL PLATE				
	PAINTING : POLYURETHANE RESIN				
PRODUCTION COUNTRY	THAILAND				

CONFIDENTIAL

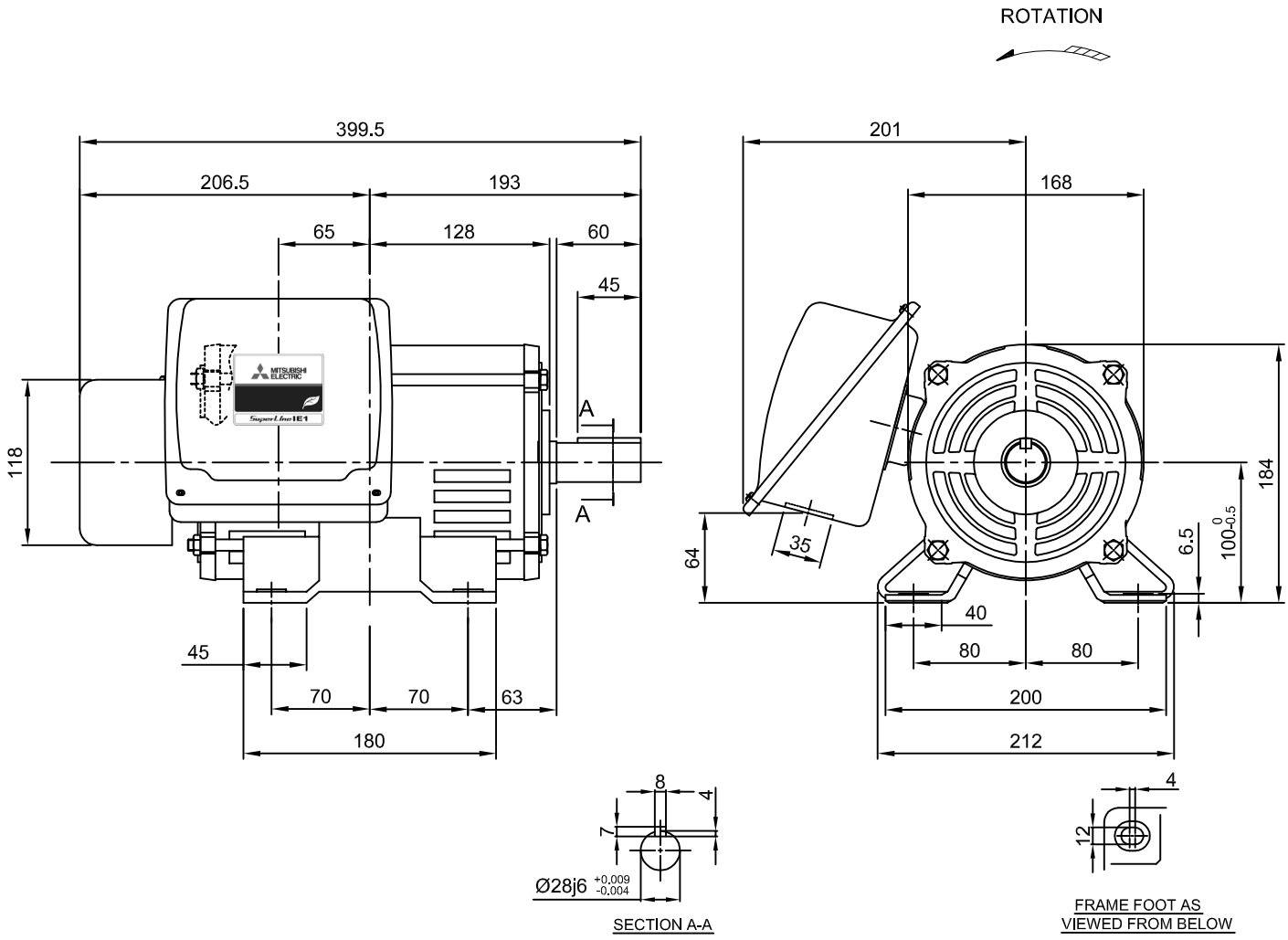
SPECIFICATION SHEET NO.	ORIGINATOR	CHECKED	APPROVED	DATE
SS-M-0305-A	S.HADSADA	D.CHOEDPONG	T.OGAKE	15/MAR/19

MODEL SCL-QR SINGLE PHASE INDUCTION MOTOR OUTLINE DRAWING

CAPACITOR START AND RUN TYPE
DEGREE OF PROTECTION IP22

STARTING CAPACITOR	150 μF 250 V
RUNNING CAPACITOR	21.5 μF 450 V

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



FRAME SIZE	RATING	TH. CLASS	AMB. TEMP.	BEARINGS		COLOR	DIRECTION OF ROTATION	NO. OF LEAD WIRES
				LOAD SIDE	OPP. SIDE			
100L	S1	130(B)	40°C	6206ZZ	6205ZZ	BLACK (MUNSELL N1.5)	CCW	4

OUTPUT		POLE	Hz	VOLT	AMP	RPM	IE CODE - RATED EFF.	REMARK
HP	kW							
2	1.5	4	50	220/230	10.4/10.5	1450/1450	IE1- 80.1% / IE1- 77.5%	
			60	220	9.4	1740	IE1- 82.9%	

CONFIDENTIAL

MITSUBISHI ELECTRIC AUTOMATION (THAILAND) CO.,LTD.

	DRAW : S.RITTHA	DATE : 7/Jun/17	
	CHECKED : T.WEERASAK	OUTLINE DRAWING NO.	REV.
DIMENSION IN mm.	DESIGNED : S.RITTHA	ONM04O010	
SCALE : NTS.	APPROVED : T.OGAKE		